UNION INTERNATIONALE DES TELECOMMUNICATIONS
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION
RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES
OFICINA DE RADIOCOMUNICACIONES

RES 609 (CMR-03)	RES 609 (WRC-03)	RES 609 (CMR-03)
Deuxième réunion de consultation sur la Résolution 609 (CMR-03) Ottawa, Canada, 2-4 juin 2004	Second Resolution 609 (WRC-03) Consultation Meeting Ottawa, Canada, 2-4 June 2004	Segunda Reunión de consulta sobre la Resolución 609 (CMR-03) Ottawa, Canadá, 2-4 de junio de 2004

Les présents renseignements sont publiés par le Bureau conformément *au point 3 du charge le Bureau,* de la Résolution **609** (CMR-03) :	This information is published by the Bureau in accordance with Resolution **609** (WRC-03) *instructs the Bureau 3*:	Esta información se publica por la Oficina con arreglo al *encarga a la Oficina 3* de la Resolución **609** (CMR-03):
La **Partie A** contient la Liste des systèmes du SRNS et le Rapport sur les constatations établi par le Bureau à l'intention des participants à la réunion de consultation chargée de déterminer si le niveau de puissance surfacique visé au *point 1 du recommande* de la Recommandation **608** (CMR-03) est dépassé par une station spatiale considérée.	**Part A** includes the List of RNSS systems and the Report of the findings by the Bureau to the participants of the Consultation meeting on the determination of whether the power flux-density level in *recommends 1* of Recommendation **608** (WRC-03) is exceeded by any subject space station.	La **Parte A** incluye la lista de sistemas del SRNS y el Informe de las conclusiones de la Oficina dirigido a los participantes de la reunión de consulta para determinar si el nivel de densidad de flujo de potencia indicado en el *recomienda 1* de la Recomendación **608** (CMR-03) es rebasado por alguna estación espacial en cuestión.
La **Partie B** contient les renseignements publiés au *point 8 du décide* de la Résolution **609** (CMR-03), à savoir les résultats concernant la répartition du brouillage cumulatif en application du *point 2 du décide* de ladite Résolution, que ces résultats correspondent ou non à des modifications éventuelles des caractéristiques publiées de leurs systèmes ou réseaux respectifs.	**Part B** includes the information referred to in *resolves 8* of the Resolution **609** (WRC-03), as results of any aggregate sharing determinations made in application of *resolves 2* of the Resolution **609** (WRC-03), without regard to whether such determinations result in any modifications to the published characteristics of their respective systems or networks.	La **Parte B** incluye la información a la que se refiere el *resuelve 8* de la Resolución **609** (CMR-03), como resultado de cualquier decisión sobre compartición combinada tomada en aplicación del *resuelve 2* de la Resolución **609** (CMR-03), sin tener en cuenta si dichas decisiones tienen como resultado cualquier modificación en las características publicadas de sus respectivos sistemas o redes.

RES 609 (CMR-03)	RES 609 (WRC-03)	RES 609 (CMR-03)
Deuxième réunion de consultation sur la Résolution 609 (CMR-03) Ottawa, Canada, 2-4 juin 2004	Second Resolution 609 (WRC-03) Consultation Meeting Ottawa, Canada, 2-4 June 2004	Segunda Reunión de consulta sobre la Resolución 609 (CMR-03) Ottawa, Canadá, 2-4 de junio de 2004

PARTIE A	PART A	PARTE A
Liste des systèmes du SRNS et Rapport sur les constatations établi par le Bureau à l'intention des participants à la réunion de consultation chargée de déterminer si le niveau de puissance surfacique visé au *point 1 du recommande* de la Recommandation **608** (CMR-03) est dépassé par une station spatiale considérée.	List of the RNSS systems and Report of the findings by the Bureau to the participants of the Consultation meeting on the determination of whether the power flux-density level in *recommends 1* of Recommendation **608** (WRC-03) is exceeded by any subject space station.	Lista de sistemas del SRNS e Informe de las conclusiones de la Oficina dirigido a los participantes de la reunión de consulta para determinar si el nivel de densidad de flujo de potencia del *recomienda 1* de la Recomendación 608 (CMR-03) es rebasado por alguna estación espacial en cuestión.

Aux termes du *point 1 du recommande* de la Recommandation **608** (CMR-03), lors de l'application des dispositions du *point 5 du décide* de la Résolution **609** (CMR-03), dans la bande 1 164 – 1 215 MHz, la puissance surfacique maximale rayonnée à la surface de la Terre par les émissions d'une station spatiale du SRNS, pour tous les angles d'arrivée, ne dépasse pas -129 dB(W/m^2) dans une bande quelconque de 1 MHz dans des conditions de propagation en espace libre.	Recommendation **608** (WRC-03) *recommends 1*, indicates that in the implementation of *resolves 5* of Resolution **609** (WRC-03), in the frequency band 1 164 – 1 215 MHz, the maximum power flux-density produced at the surface of the Earth by emissions from a space station in the radionavigation-satellite service, for all angles of arrival, should not exceed -129 dB(W/m^2) in any 1 MHz band under free space propagation conditions.	La Recomendación **608** (CMR-03) en su *recomienda 1* señala que en la aplicación del *resuelve 5* de la Resolución **609** (CMR-03), en la banda de frecuencias 1 164 – 1 215 MHz, la máxima densidad de flujo de potencia producida en la superficie de la Tierra por las emisiones de una estación espacial del servicio de radionavegación por satélite, para todos los ángulos de llegada, no deberá superar -129 dB(W/m^2) en cualquier banda de 1 MHz en condiciones de propagación en espacio libre.

Liste des systèmes du SRNS – Description des colonnes / List of the RNSS systems - Description of the colums / Listas de los sistemas del SRNS - Descripción de las columnas

Item	**Description**	**Description**	**Descripción**
ntc_id	Numéro d'identification du réseau à satellite	Identification number of the network	BR Número de identificación de la red
adm	Administration notificatrice (voir le Tableau 1 de la Préface)	Notifying administration (Refer to Table 1 of the Preface)	Administración notificante (véase el cuadro 1 del Prefacio)
ntw_org	Organisation Intergouvernementale de Satellite	Intergovernmental Satellite Organization	Organización Intergubernamental de Satélite
sat_name	Identité du réseau à satellite	Identity of the satellite network	Identidad de la red de satélite
long_nom	Longitude nominale d'une station spatiale géostationnaire (degré)	Nominal longitude of a geostationary space station (degree)	Longitud nominal de una estación espacial geoestacionaria (grado)
ntf_rsn	A = Réseau au stade API C = Réseau au stade de la coordination N = Réseau au stade de la notification	A = Network in API stage C = Network in coordination stage N = Network in notification stage	B = Red en etapa de API C = Red en etapa de coordinación N = Red en etapa de notificación
d_rcv	Date de réception	Date of receipt	Fecha de recepción
sns_ref+ssn_no	Référence aux Sections Spéciales	Reference to Special Sections	Referencia a las Secciones Especiales
ific_no	Numéro de la BR IFIC	BR IFIC number	Número de la BR IFIC
ntc_type	Type de station spatiale associée: géostationnaire [G] ou non géostationnaire [N]	Type of associated space station: geostationary [G] or non-geostationary [N]	Tipo de la estación espacial asociada: geoestacionaria [G] o no geoestacionaria [N]
Annex to RES-609	Systèmes du SRNS ayant des assignations de fréquence dans la bande 1 164 – 1 215 MHz pour lesquels les informations demandées dans l'Annexe de la Résolution 609 ont été fournies à la réunion de consultation.	RNSS systems with frequency assignments in the band 1 164-1 215 MHz for which Annex to Resolution 609 information has been provided to the Consulation meeting.	Sistemas del SRNS con asignaciones de frecuencias en la banda 1 164 - 1 215 MHz para los cuales se ha proporcionado la información de la Resolución 609 a la reunión de consulta.
BR Report (RES 609 *instructs the Bureau* 2)	Rapport du Bureau contenant des conclusions relatives à la détermination des valeurs de puissance surfacique indiquées sous *recommande 1* de la Recommandation 608 (CMR-03) en utilisant les informations demandées au titre de l'Annexe 1 de la dite Recommandation.	Bureau's Report with findings relating to determination of the PFD values indicated in *recommends 1* of Recommendation 608 (WRC-03) using Annex 1 information of this Recommendation.	Informe de la Oficina con las conclusiones relativas a la determinación de los valores de DFP indicados en el *recomienda 1* de la Recomendación 608 (CMR-03) utilizando la información del Anexo 1 de esta Recomendación.

RES 609 (CMR-03)	RES 609 (WRC-03)	RES 609 (CMR-03)
Deuxième réunion de consultation sur la Résolution 609 (CMR-03) Ottawa, Canada, 2-4 juin 2004	Second Resolution 609 (WRC-03) Consultation Meeting Ottawa, Canada, 2-4 June 2004	Segunda Reunión de consulta sobre la Resolución 609 (CMR-03) Ottawa, Canadá, 2-4 de junio de 2004

List of the RNSS systems (as of 10.05.2004) with frequency assignments in the band 1164-1215 MHz that meet the criteria listed in Annex to RES 609 (WRC-2003) and Bureau's Report with findings relating to determination of the PFD values

ntc_id	adm	ntwk_org	sat_name	long_nom	ntf_rsn	d_rcv	ssn_ref	ssn_no	ific_no	ntc_type	Annex to RES-609	BR Report ** (*instructs the Bureau* 2 of RES 609)
103540501	CAN		NAV 107.3W	-107.3	A	23.06.2003	API/A	2786	2502	G	YES	No PFD excess
103540502	CAN		NAV 118.7W	-118.7	A	23.06.2003	API/A	2787	2502	G	NO Input DOC	--
100543887	CHN		COMPASS-110.5E	110.5	A	05.01.2004	API/A	1302	2512	G	YES *1	No PFD excess
101520012	CHN		COMPASS-110.5E	110.5	C	10.01.2001	CR/C	800	2489	G	YES *1	No PFD excess
103500418	CHN		COMPASS-110.5E	110.5	N	31.12.2003	PART	1	2517	G	YES *1	No PFD excess
100543886	CHN		COMPASS-140E	140	A	05.01.2004	API/A	1303	2512	G	YES *1	No PFD excess
101520013	CHN		COMPASS-140E	140	C	10.01.2001	CR/C	801	2489	G	YES *1	No PFD excess
103500419	CHN		COMPASS-140E	140	N	31.12.2003	PART	1	2517	G	YES *1	No PFD excess
103540921	CHN		COMPASS-160E	160	A	31.12.2003	API/A	2996	2512	G	YES *1	No PFD excess
100543884	CHN		COMPASS-58.75E	58.75	A	05.01.2004	API/A	1300	2512	G	YES *1	No PFD excess
101520010	CHN		COMPASS-58.75E	58.75	C	10.01.2001	CR/C	798	2489	G	YES *1	No PFD excess
103500416	CHN		COMPASS-58.75E	58.75	N	31.12.2003	PART	1	2517	G	YES *1	No PFD excess
100543885	CHN		COMPASS-80E	80	A	05.01.2004	API/A	1301	2512	G	YES *1	No PFD excess
101520011	CHN		COMPASS-80E	80	C	10.01.2001	CR/C	799	2489	G	YES *1	No PFD excess
103500417	CHN		COMPASS-80E	80	N	31.12.2003	PART	1	2517	G	YES *1	No PFD excess
100543888	CHN		COMPASS-H	N-GSO	A	05.01.2004	API/A	1305	2513	N	YES *1	No PFD excess
103500420	CHN		COMPASS-H	N-GSO	N	31.12.2003	PART	1	2517	N	YES *1	No PFD excess
100543882	CHN		COMPASS-M	N-GSO	A	05.01.2004	API/A	1304	2513	N	YES *1	No PFD excess
103500421	CHN		COMPASS-M	N-GSO	N	31.12.2003	PART	1	2517	N	YES *1	No PFD excess

** Taking into account that the characteristics of the satellite networks used by administrations were representative of intended or actual operating characteristics, and thus may be different from those characteristics that may be included in the corresponding Article 9 and/or Article 11 filings, and that these characteristics were not made available to the Bureau in the standard electronic AP4 form necessary to perform PDF calculations, the Bureau's finding relating to the determination of PFD values is limited to examination whether the PFD values indicated in § 1.4 and 1.5 of Annex to REC 608 (WRC-03) exceed the limit indicated in *recommends* 1 of REC 608.

*1 Copy of the document received by the Bureau registry on 07.04.2004

RES 609 (CMR-03)	RES 609 (WRC-03)	RES 609 (CMR-03)
Deuxième réunion de consultation sur la Résolution 609 (CMR-03) Ottawa, Canada, 2-4 juin 2004	Second Resolution 609 (WRC-03) Consultation Meeting Ottawa, Canada, 2-4 June 2004	Segunda Reunión de consulta sobre la Resolución 609 (CMR-03) Ottawa, Canadá, 2-4 de junio de 2004

ntc_id	adm	ntwk_org	sat_name	long_nom	ntf_rsn	d_rcv	ssn_ref	ssn_no	ific_no	ntc_type	Annex to RES-609	BR Report ** (*instructs the Bureau* 2 of RES 609)
103540922	CHN		COMPASS-MG	N-GSO	A	05.01.2004	API/A	2997	2512	N	YES *1	No PFD excess
100544017	D		GALILEO-NAV-2004	N-GSO	A	03.06.2000	API/A	1397	2424	N	YES	No PFD excess
101500300	D		GALILEO-NAV-2004	N-GSO	N	02.08.2001	PART	2	2511	N	YES	No PFD excess
98543012	F	ESA	E-NSS-1	N-GSO	A	05.06.2000	API/A	102	2424	N	YES	No PFD excess
100543863	F	GLS	GSATNAV1	-162.5	A	11.04.2000	API/A	1292	2420	G	NO Input DOC	--
100520333	F	GLS	GSATNAV1	-162.5	C	12.10.2000	CR/C	686	2487	G	NO Input DOC	--
100500379	F	GLS	GSATNAV1	-162.5	N	06.12.2000	PART	2	2509	G	NO Input DOC	--
100543994	F	GLS	GSATNAV1A	-162.5	A	03.06.2000	API/A	1389	2424	G	NO Input DOC	--
100520462	F	GLS	GSATNAV1A	-162.5	C	03.12.2000	CR/C	772	2488	G	NO Input DOC	--
100543864	F	GLS	GSATNAV2	-117.5	A	11.04.2000	API/A	1293	2420	G	NO Input DOC	--
100520334	F	GLS	GSATNAV2	-117.5	C	12.10.2000	CR/C	687	2487	G	NO Input DOC	--
100500380	F	GLS	GSATNAV2	-117.5	N	06.12.2000	PART	2	2509	G	NO Input DOC	--
100543995	F	GLS	GSATNAV2A	-117.5	A	03.06.2000	API/A	1390	2424	G	NO Input DOC	--
100520463	F	GLS	GSATNAV2A	-117.5	C	03.12.2000	CR/C	773	2488	G	NO Input DOC	--
100543865	F	GLS	GSATNAV3	-72.5	A	11.04.2000	API/A	1294	2420	G	NO Input DOC	--
100520335	F	GLS	GSATNAV3	-72.5	C	12.10.2000	CR/C	688	2487	G	NO Input DOC	--
100500381	F	GLS	GSATNAV3	-72.5	N	06.12.2000	PART	2	2509	G	NO Input DOC	--
100543996	F	GLS	GSATNAV3A	-72.5	A	03.06.2000	API/A	1391	2424	G	NO Input DOC	--
100520464	F	GLS	GSATNAV3A	-72.5	C	03.12.2000	CR/C	774	2488	G	NO Input DOC	--
100543866	F	GLS	GSATNAV4	-27.5	A	11.04.2000	API/A	1295	2420	G	NO Input DOC	--
100520336	F	GLS	GSATNAV4	-27.5	C	12.10.2000	CR/C	689	2487	G	NO Input DOC	--
100500382	F	GLS	GSATNAV4	-27.5	N	06.12.2000	PART	2	2513	G	NO Input DOC	--
100543997	F	GLS	GSATNAV4A	-27.5	A	03.06.2000	API/A	1392	2424	G	NO Input DOC	--
100520465	F	GLS	GSATNAV4A	-27.5	C	03.12.2000	CR/C	775	2488	G	NO Input DOC	--
100543867	F	GLS	GSATNAV5	17.5	A	11.04.2000	API/A	1296	2420	G	NO Input DOC	--
100520337	F	GLS	GSATNAV5	17.5	C	12.10.2000	CR/C	690	2487	G	NO Input DOC	--
100500383	F	GLS	GSATNAV5	17.5	N	06.12.2000	PART	2	2508	G	NO Input DOC	--
100543998	F	GLS	GSATNAV5A	17.5	A	03.06.2000	API/A	1393	2424	G	NO Input DOC	--

RES 609 (CMR-03)	RES 609 (WRC-03)	RES 609 (CMR-03)
Deuxième réunion de consultation sur la Résolution 609 (CMR-03) Ottawa, Canada, 2-4 juin 2004	Second Resolution 609 (WRC-03) Consultation Meeting Ottawa, Canada, 2-4 June 2004	Segunda Reunión de consulta sobre la Resolución 609 (CMR-03) Ottawa, Canadá, 2-4 de junio de 2004

ntc_id	adm	ntwk_org	sat_name	long_nom	ntf_rsn	d_rcv	ssn_ref	ssn_no	ific_no	ntc_type	Annex to RES-609	BR Report ** (*instructs the Bureau* 2 of RES 609)
100520466	F	GLS	GSATNAV5A	17.5	C	03.12.2000	CR/C	776	2488	G	NO Input DOC	--
100543868	F	GLS	GSATNAV6	62.5	A	11.04.2000	API/A	1297	2420	G	NO Input DOC	--
100520338	F	GLS	GSATNAV6	62.5	C	12.10.2000	CR/C	691	2487	G	NO Input DOC	--
100500384	F	GLS	GSATNAV6	62.5	N	06.12.2000	PART	2	2508	G	NO Input DOC	--
100543999	F	GLS	GSATNAV6A	62.5	A	03.06.2000	API/A	1394	2424	G	NO Input DOC	--
100520467	F	GLS	GSATNAV6A	62.5	C	03.12.2000	CR/C	777	2488	G	NO Input DOC	--
100543869	F	GLS	GSATNAV7	107.5	A	11.04.2000	API/A	1298	2420	G	NO Input DOC	--
100520339	F	GLS	GSATNAV7	107.5	C	12.10.2000	CR/C	692	2487	G	NO Input DOC	--
100500385	F	GLS	GSATNAV7	107.5	N	06.12.2000	PART	2	2509	G	NO Input DOC	--
100544000	F	GLS	GSATNAV7A	107.5	A	03.06.2000	API/A	1395	2424	G	NO Input DOC	--
100520468	F	GLS	GSATNAV7A	107.5	C	03.12.2000	CR/C	778	2488	G	NO Input DOC	--
100543870	F	GLS	GSATNAV8	152.5	A	11.04.2000	API/A	1299	2420	G	NO Input DOC	--
100520340	F	GLS	GSATNAV8	152.5	C	12.10.2000	CR/C	693	2487	G	NO Input DOC	--
100500386	F	GLS	GSATNAV8	152.5	N	06.12.2000	PART	2	2509	G	NO Input DOC	--
100544001	F	GLS	GSATNAV8A	152.5	A	03.06.2000	API/A	1396	2424	G	NO Input DOC	--
100520469	F	GLS	GSATNAV8A	152.5	C	03.12.2000	CR/C	779	2488	G	NO Input DOC	--
100543988	F	GLS	LSATNAV-2	N-GSO	A	30.05.2000	API/A	1365	2423	N	NO Input DOC	--
101500007	F	GLS	LSATNAV-2	N-GSO	N	11.01.2001	PART	2	2508	N	NO Input DOC	--
100543990	F	GLS	LSATNAV-3	N-GSO	A	03.06.2000	API/A	1388	2430	N	NO Input DOC	--
101500013	F	GLS	LSATNAV-3	N-GSO	N	30.01.2001	PART	2	2508	N	NO Input DOC	--
99543862	F	GLS	MSATNAV-2	N-GSO	A	03.12.1999	API/A	1182	2415	N	YES	No PFD excess
100500321	F	GLS	MSATNAV-2	N-GSO	N	04.10.2000	PART	2	2490	N	YES	No PFD excess
100543989	F	GLS	MSATNAV-3	N-GSO	A	03.06.2000	API/A	1387	2430	N	YES	No PFD excess
101500014	F	GLS	MSATNAV-3	N-GSO	N	30.01.2001	PART	2	2490	N	YES	No PFD excess
102540351	F	GLS	MSATNAV-4	N-GSO	A	24.09.2002	API/A	2434	2481	N	YES	No PFD excess
103500093	F	GLS	MSATNAV-4	N-GSO	N	28.04.2003	PART	1	2501	N	YES	No PFD excess
96540057	G		INMARSAT GSO-2H	65	A	12.01.2001	API/A	1211	2441	G	NO Input DOC	--
97520331	G		INMARSAT GSO-2H	65	C	07.08.2001	CR/C	412	2493	G	NO Input DOC	--

RES 609 (CMR-03)	RES 609 (WRC-03)	RES 609 (CMR-03)
Deuxième réunion de consultation sur la Résolution 609 (CMR-03) Ottawa, Canada, 2-4 juin 2004	Second Resolution 609 (WRC-03) Consultation Meeting Ottawa, Canada, 2-4 June 2004	Segunda Reunión de consulta sobre la Resolución 609 (CMR-03) Ottawa, Canadá, 2-4 de junio de 2004

ntc_id	adm	ntwk_org	sat_name	long_nom	ntf_rsn	d_rcv	ssn_ref	ssn_no	ific_no	ntc_type	Annex to RES-609	BR Report ** (*instructs the Bureau* 2 of RES 609)
96540056	G		INMARSAT GSO-2J	-54	A	12.01.2001	API/A	1213	2441	G	NO Input DOC	--
97520322	G		INMARSAT GSO-2J	-54	C	07.08.2001	CR/C	413	2493	G	NO Input DOC	--
101544432	G		INMARSAT GSO-2K	-51	A	12.01.2001	API/A	1762	2441	G	NO Input DOC	--
101520306	G		INMARSAT GSO-2K	-50	C	07.08.2001	CR/C	931	2493	G	NO Input DOC	--
101540210	G		INMARSAT GSO-2L	-53	A	07.08.2001	API/A	2030	2453	G	YES	No PFD excess
102520001	G		INMARSAT GSO-2L	-53	C	07.02.2002	CR/C	1024	2497	G	YES	No PFD excess
102540147	G		INMARSAT GSO-2M	178	A	16.04.2002	API/A	2309	2471	G	NO Input DOC	--
102520076	G		INMARSAT GSO-2M	178	C	16.10.2002	CR/C	1138	2505	G	NO Input DOC	--
102540249	G		INMARSAT GSO-2N	64	A	11.06.2002	API/A	2379	2476	G	YES	No PFD excess
102520123	G		INMARSAT GSO-2N	64	C	11.12.2002	CR/C	1150	2507	G	YES	No PFD excess
103540557	G		INMARSAT-4 104W	-104	A	11.07.2003	API/A	2868	2504	G	NO Input DOC	--
103540558	G		INMARSAT-4 109E	109	A	11.07.2003	API/A	2869	2504	G	NO Input DOC	--
103540559	G		INMARSAT-4 143.5E	143.5	A	11.07.2003	API/A	2870	2504	G	NO Input DOC	--
103540561	G		INMARSAT-4 25E	25	A	11.07.2003	API/A	2872	2504	G	NO Input DOC	--
103540560	G		INMARSAT-4 64E	64	A	11.07.2003	API/A	2871	2504	G	NO Input DOC	--
102540042	I		GALILEO-G-NAVSTAR-1A	-171.5	A	21.02.2002	API/A	2251	2465	G	NO Input DOC	--
102540043	I		GALILEO-G-NAVSTAR-2A	-126.5	A	21.02.2002	API/A	2252	2465	G	NO Input DOC	--
102540044	I		GALILEO-G-NAVSTAR-3A	-75.5	A	21.02.2002	API/A	2253	2465	G	NO Input DOC	--
102540045	I		GALILEO-G-NAVSTAR-4A	-40	A	21.02.2002	API/A	2254	2465	G	NO Input DOC	--
102540046	I		GALILEO-G-NAVSTAR-5A	11	A	21.02.2002	API/A	2255	2465	G	NO Input DOC	--
102540047	I		GALILEO-G-NAVSTAR-6A	53.5	A	21.02.2002	API/A	2256	2465	G	NO Input DOC	--
102540048	I		GALILEO-G-NAVSTAR-7A	98.5	A	21.02.2002	API/A	2257	2465	G	NO Input DOC	--
102540049	I		GALILEO-G-NAVSTAR-8A	143.5	A	21.02.2002	API/A	2258	2465	G	NO Input DOC	--
102540050	I		GALILEO-M-NAVSTAR	N-GSO	A	21.02.2002	API/A	2259	2465	N	YES	No PFD excess
103500082	I		GALILEO-M-NAVSTAR	N-GSO	N	31.03.2003	PART	1	2500	N	YES	No PFD excess
103540878	IND		INSAT-NAV(82)	82	A	25.11.2003	API/A	2975	2510	G	NO Input DOC	--
102540482	J		N-SAT-HEO2	N-GSO	A	27.12.2002	API/A	2471	2490	N	YES	No PFD excess
92540003	RUS		GLONASS-M	N-GSO	A	12.03.2002	API/A	2264	2469	N	YES	No PFD excess

RES 609 (CMR-03)	RES 609 (WRC-03)	RES 609 (CMR-03)
Deuxième réunion de consultation sur la Résolution 609 (CMR-03) Ottawa, Canada, 2-4 juin 2004	Second Resolution 609 (WRC-03) Consultation Meeting Ottawa, Canada, 2-4 June 2004	Segunda Reunión de consulta sobre la Resolución 609 (CMR-03) Ottawa, Canadá, 2-4 de junio de 2004

ntc_id	adm	ntwk_org	sat_name	long_nom	ntf_rsn	d_rcv	ssn_ref	ssn_no	ific_no	ntc_type	Annex to RES-609	BR Report ** (*instructs the Bureau* 2 of RES 609)
302500291	USA		INTNL SPACE STATION	N-GSO	N	24.09.2002	PART	2	2507	N	NO Input DOC	--
100544007	USA		LM-RPS-107.3W	-107.3	A	02.06.2000	API/A	1385	2424	G	YES	No PFD excess
100520444	USA		LM-RPS-109W *2	-109	C	02.12.2000	CR/C	770	2514	G	YES	No PFD excess
100544003	USA		LM-RPS-11E	11	A	02.06.2000	API/A	1381	2424	G	NO Input DOC	--
100520446	USA		LM-RPS-11E	11	C	02.12.2000	CR/C	766	2514	G	NO Input DOC	--
100520445	USA		LM-RPS-129W *3	-129	C	02.12.2000	CR/C	771	2514	G	YES	No PFD excess
100544005	USA		LM-RPS-131.8E	131.8	A	02.06.2000	API/A	1383	2424	G	NO Input DOC	--
100520448	USA		LM-RPS-131.8E	131.8	C	02.12.2000	CR/C	768	2514	G	NO Input DOC	--
100544008	USA		LM-RPS-133W	-133	A	02.06.2000	API/A	1386	2515	G	YES	No PFD excess
100544004	USA		LM-RPS-71E	71	A	02.06.2000	API/A	1382	2424	G	NO Input DOC	--
100520447	USA		LM-RPS-71E	71	C	02.12.2000	CR/C	767	2514	G	NO Input DOC	--
100544006	USA		LM-RPS-79W	-79	A	02.06.2000	API/A	1384	2424	G	NO Input DOC	--
100520443	USA		LM-RPS-79W	-79	C	02.12.2000	CR/C	769	2514	G	NO Input DOC	--
97542942	USA		MSSLEO-5	N-GSO	A	02.06.2000	API/A	1334	2424	N	NO Input DOC	--
100543934	USA		NAVSTAR GPS L5	N-GSO	A	23.05.2000	API/A	1353	2422	N	YES	No PFD excess
102500244	USA		NAVSTAR GPS L5	N-GSO	N	26.08.2002	PART	2	2511	N	YES	No PFD excess
102540320	USA		NAVSTAR GPS-IIRF	N-GSO	A	26.08.2002	API/A	2429	2479	N	NO Input DOC	--
103500110	USA		NAVSTAR GPS-IIRF	N-GSO	N	02.05.2003	PART	1	2501	N	NO Input DOC	--
102540090	USA		NPP	N-GSO	A	14.03.2002	API/A	2271	2468	N	NO Input DOC	--
101544545	USA		SPACE SHUTTLE	N-GSO	A	19.02.2001	API/A	1805	2442	N	NO Input DOC	--
90504637	USA		SPACE SHUTTLE	N-GSO	N	24.09.2002	PART	2	2510	N	NO Input DOC	--

*2 The name of this USA network was LM-RPS-109W when originally filed. On February 2, 2004, the USA amended the AP4 coordination filing for this network, and in the process, changed the network name to LM-RPS-107.3W. The advance publication information for the network remains correct.

*3 The name of this USA network was LM-RPS-129W when originally filed. On February 2, 2004, the USA amended the AP4 coordination filing for this network, and in the process, changed the network name to LM-RPS-133W. The advance publication information for the network remains correct.

RES 609 (CMR-03)	RES 609 (WRC-03)	RES 609 (CMR-03)
Deuxième réunion de consultation sur la Résolution 609 (CMR-03) Ottawa, Canada, 2-4 juin 2004	Second Resolution 609 (WRC-03) Consultation Meeting Ottawa, Canada, 2-4 June 2004	Segunda Reunión de consulta sobre la Resolución 609 (CMR-03) Ottawa, Canadá, 2-4 de junio de 2004

PARTIE B	PART B	PARTE B
Renseignements publiés conformément au *point 8 du décide* de la Résolution **609** (CMR-03), en tant que résultats concernant la répartition du brouillage cumulatif en application du *point 2 du décide* de la Résolution **609** (CMR-03), que ces résultats correspondent ou non à des modifications éventuelles des caractéristiques publiées de leurs systèmes ou réseaux respectifs.	Information referred to in *resolves 8* of the Resolution **609** (WRC-03), as results of any aggregate sharing determinations made in application of *resolves 2* of the Resolution **609** (WRC-03), without regard to whether such determinations result in any modifications to the published characteristics of their respective systems or networks.	Información publicada con arreglo al *resuelve 8* de la Resolución **609** (CMR-03), como resultado de cualquier decisión sobre compartición combinada tomada en aplicación del *resuelve 2* de la Resolución **609** (CMR-03), sin tener en cuenta si dichas decisiones tienen como resultado cualquier modificación en las características publicadas de sus respectivos sistemas o redes.
Ces renseignements ont été communiqués au Bureau par l'Administration des Etats-Unis le **08.06.2004**, en application des Sections 2 [S2] et 14 [S14] du mandat de la réunion de consultation organisée conformément à la Résolution **609** (CMR-03).	This information was communicated to the Bureau by the administration of USA on **08.06.2004**, pursuant to Section 2 **[S2]** and Section 14 **[S14]** of the Resolution **609** (WRC-03) Consultation Meeting Terms of Reference.	Esta información fue comunicada a la Oficina por la Administración de los Estados Unidos el **08.06.2004** con arreglo al punto 2[S2] y al punto 14[S14] del mandato de la reunión de consulta de la Resolución **609** (CMR-03).

S2 The convener, with the assistance of the vice convener, will be responsible for communicating to the Radiocommunication Bureau, through his/her administration, the results of the epfd calculations performed at each Consultation Meeting, beginning with the second Consultation Meeting, for publication in the BR IFIC,

S14 At each Consultation Meeting, beginning with the second Consultation Meeting, a report containing the results of aggregate sharing determinations made in application of *resolves 2* of Resolution 609 (WRC-03) shall be agreed by participating administrations operating or planning to operate systems in the radionavigation satellite service in the 1164-1215 MHz band. This report shall be communicated to the BR in the manner contemplated in S2 above as soon as is practicable following the completion of the subject Consultation Meeting.

Report of the Second Resolution 609 (WRC-03) Consultation Meeting to the ITU Radiocommunication Bureau

1.0 Introduction

Resolution 609 (WRC-03) is entitled "Protection of aeronautical radionavigation service systems from the equivalent power flux-density produced by radionavigation satellite service networks and systems in the 1164-1215 MHz frequency band."

The resolves: establish the aggregate protection criterion of –121.5dB (W/m^2)/MHz, (resolves 1), establish the basis for Consultation Meetings to achieve this objective (resolves 6); and identify the ITU-R Recommendation M.1642 to use to conduct the aggregate calculations (resolves 10).

This report reflects the results of the first two Resolution 609 (WRC-03) Consultation Meetings (CM) and is provided in accordance with the provisions of resolves 8 of Resolution 609.

2.0 First Consultation Meeting (CM)

The first CM, held in Geneva, Switzerland, December 8-9, 2003, agreed on Terms of Reference for the operation of future CMs. Among other things the Terms of Reference establish specific timelines for the submission of information in satisfaction of the Criteria in the Annex to Resolution 609, for the submission of technical information on individual systems and networks in an agreed format, and for the exchange of aggregate interference calculations among the participants. No aggregate sharing determination was made at the first CM.

3.0 Calculations/Second Consultation Meeting

In conformity with the February 2, 2004 deadline established at the first CM, administrations submitted technical characteristics and statements regarding compliance with the Criteria in the Annex to Resolution 609 (WRC-03) with respect to nine RNSS systems and networks. The RNSS systems and networks for which information was provided on or before the February 2, 2004 deadline are listed in Table 1 of the attachment. On April 7, 2004, the meeting received a submission from the People's Republic of China containing a commitment letter and associated system characteristics for several GSO and non-GSO networks of the COMPASS

system. While this late information was not included in Table 1 of the attachment, it is included, along with the timely submissions, in Table 2 of the Attachment.

Calculations of the equivalent PFD (epfd) level produced by all space stations of the referenced RNSS systems and networks from both Table 1 and Table 2 were compared and agreed at the second Consultation Meeting, held in Ottawa, Canada, June 2-4, 2004. The agreed calculations by the participants may be found in Tables 3 and 4, respectively, in the attachment to this Report. The aggregate calculations in Table 4 of the attachment should be substituted for Table 3 if, four months before the scheduled date of the third Consultation Meeting, information regarding additional RNSS systems has not been received. If, four months before the scheduled date of the third Consultation Meeting, new submissions (either for new systems or for material updates of previously-submitted characteristics) are made pursuant to §§ 11 b) and c), then these new submissions, along with the COMPASS submissions from Table 2, and any systems from Table 1 for which information satisfying § 12 of the Terms of Reference is provided, will be the subject of the aggregate sharing determination to be performed at the third Consultation Meeting.

4.0 Conclusion

The maximum epfd of all satellites associated with the referenced RNSS systems in Table 1 was –125.7 dB ($W/m^2/MHz$), i.e. 4.2 dB below the Resolution 609 limit of -121.5 $dBW/m^2/MHz$. The identical results were reached with respect to the maximum epfd of all satellites associated with the referenced RNSS systems in Table 2. In both cases, it is noted that the results are based on the use of worst-case assumptions in terms of interference from RNSS into ARNS.

Attachment

1 Results of the Calculation of the Maximum RNSS Aggregate epfd per Megahertz

Within this Attachment is the description of results of calculating the maximum RNSS aggregate epfd for every one megahertz within the band 1 164 – 1 215 MHz. The methodology for the calculation of the aggregate epfd of an RNSS system, which was used, is described in ITU-R Recommendation M.1642, "Methodology for assessing the maximum aggregate epfd at an aeronautical radionavigation service station from all radionavigation satellite service systems operating in the 1 164-1 215 MHz band.".

2 Results of the Calculation

For the purpose of the calculation, data given by the following RNSS system providers was used:

II. Table 1: RNSS systems used in the aggregate calculation

Ntc_id	adm	Ntwk_org	sat_name	Long_nom	ntf_rsn	d_rcv	Ssn_ref	ssn_no	wic_no	ntc_type
103540501	CAN		**NAV 107.3W***	-107.3	A	23.06.2003	API/A	2786	2502	G
99543862	F	GLS	**MSATNAV-2****	N-GSO	A	03.12.1999	API/A	1182	2415	N
101540210	G		**INMARSAT GSO-2L**	-53.0	A	07.08.2001	API/A	2030	2453	G
102540249	G		**INMARSAT GSO-2N**	64.0	A	11.06.2002	API/A	2379	2476	G
102540482	J		**N-SAT-HEO2**	N-GSO	A	27.12.2002	API/A	2471	2490	N
92540003	RUS		**GLONASS-M**	N-GSO	A	12.03.2002	API/A	2264	2469	N
100544007	USA		**LM-RPS-107.3W***	-107.3	A	02.06.2000	API/A	1385	2424	G
100544008	USA		**LM-RPS-133W**	-133.0	A	02.06.2000	API/A	1386	2515	G
100543934	USA		**NAVSTAR GPS L5**	N-GSO	A	23.05.2000	API/A	1353	2422	N

* NAV 107.3W and LM-RPS-107.3W represent a single network for purposes of the Resolution 609 (WRC-03) consultation process.

** In accordance with § 5 of Terms of Reference for the Resolution 609 (WRC-03) Consultation Meetings, the following filings remain available for Galileo and shall be treated with MSATNAV-2 filing as a single planned RNSS system for purposes of performing the epfd calculations having the characteristics presented in this document: MSATNAV-3 and 4, GALILEO-NAV-2004, GALILEO-M-NAVSTAR, E-NSS-1, and SNS.

Detailed characteristics of these systems, which were used for the aggregate computation, are available on the Resolution 609 Forum page within the ITU web site (http://www.itu.int/ITU-R/space/res609/): see attachment 3 to the Record of Decisions from the second Consultation Meeting.

Table 3 and Figure 1 give the results of the maximum aggregate epfd values per MHz, based on the RNSS systems in Table 1.

III. Table 2: RNSS systems including COMPASS

Ntc_id	adm	Ntwk_org	sat_name	Long_nom	ntf_rsn	d_rcv	ssn_ref	ssn_no	wic_no	ntc_type
103540501	CAN		**NAV 107.3W***	-107.3	A	23.06.2003	API/A	2786	2502	G
100543887	CHN		**COMPASS-110.5E**	110.5	A	05.01.2004	API/A	1302	2512	G
100543886	CHN		**COMPASS-140E**	140.0	A	05.01.2004	API/A	1303	2512	G
100543884	CHN		**COMPASS-58.75E**	58.75	A	05.01.2004	API/A	1300	2512	G
100543885	CHN		**COMPASS-80E**	80.0	A	05.01.2004	API/A	1301	2512	G
100543882	CHN		**COMPASS-M*****	N-GSO	A	05.01.2004	API/A	1304	2513	N
103540922	CHN		**COMPASS-MG*****	N-GSO	A	05.01.2004	API/A	2997	2512	N
99543862	F	GLS	**MSATNAV-2****	N-GSO	A	03.12.1999	API/A	1182	2415	N
101540210	G		**INMARSAT GSO-2L**	-53.0	A	07.08.2001	API/A	2030	2453	G
102540249	G		**INMARSAT GSO-2N**	64.0	A	11.06.2002	API/A	2379	2476	G
102540482	J		**N-SAT-HEO2**	N-GSO	A	27.12.2002	API/A	2471	2490	N
92540003	RUS		**GLONASS-M**	N-GSO	A	12.03.2002	API/A	2264	2469	N
100544007	USA		**LM-RPS-107.3W***	-107.3	A	02.06.2000	API/A	1385	2424	G
100544008	USA		**LM-RPS-133W**	-133.0	A	02.06.2000	API/A	1386	2515	G
100543934	USA		**NAVSTAR GPS L5**	N-GSO	A	23.05.2000	API/A	1353	2422	N

* NAV 107.3W and LM-RPS-107.3W represent a single network for purposes of the Resolution 609 (WRC-03) consultation process.

** In accordance with § 5 of the Terms of Reference for the Resolution 609 (WRC-03) Consultation Meeting, the following filings remain available for Galileo and shall be treated with MSATNAV-2 filing as a single planned RNSS system for purposes of performing the epfd calculations having the characteristics presented in this document: MSATNAV-3 and 4, GALILEO-NAV-2004, GALILEO-M-NAVSTAR, E-NSS-1, and SNS.

*** Compass-M, Compass-MG, and Compass-H represent a single system for purposes of the Resolution 609 (WRC-03) consultation process.

Detailed characteristics of these systems, which were used for the aggregate computation, are available on the Resolution 609 Forum page within the ITU web site (http://www.itu.int/ITU-R/space/res609/): see attachment 3 to the Record of Decisions from the second Consultation Meeting.

Table 4 and Figure 2 give the results of the maximum aggregate epfd values per MHz, based on the RNSS systems in Table 2.

Table 3: Maximum RNSS aggregate epfd values per MHz

Center Frequency (MHz)	Max RNSS Agg epfd (dB(W/m^2/MHz))	Center Frequency (MHz)	Max RNSS Agg epfd (dB(W/m^2/MHz))	Center Frequency (MHz)	Max RNSS Agg epfd (dB(W/m^2/MHz))	Center Frequency (MHz)	Max RNSS Agg epfd (dB(W/m^2/MHz))
1164	-142.1507	1177	-125.7519	1190	-138.5023	1203	-128.2747
1165	-145.7666	1178	-126.1601	1191	-137.9791	1204	-128.6758
1166	-155.8368	1179	-127.0533	1192	-137.7778	1205	-128.7328
1167	-146.9966	1180	-127.6822	1193	-138.2685	1206	-128.5756
1168	-140.0491	1181	-129.3371	1194	-138.6392	1207	-128.6111
1169	-135.6241	1182	-130.7915	1195	-138.8248	1208	-128.8021
1170	-132.8185	1183	-132.9455	1196	-137.5879	1209	-129.2182
1171	-130.6435	1184	-135.87	1197	-135.8393	1210	-129.8715
1172	-129.2852	1185	-140.3166	1198	-132.6126	1211	-130.823
1173	-127.4791	1186	-147.9048	1199	-130.1486	1212	-132.104
1174	-126.9344	1187	-153.1301	1200	-129.0946	1213	-133.868
1175	-126.1347	1188	-144.0717	1201	-128.7135	1214	-136.2342
1176	**-125.6585**	1189	-140.3454	1202	-128.2745	1215	-139.642

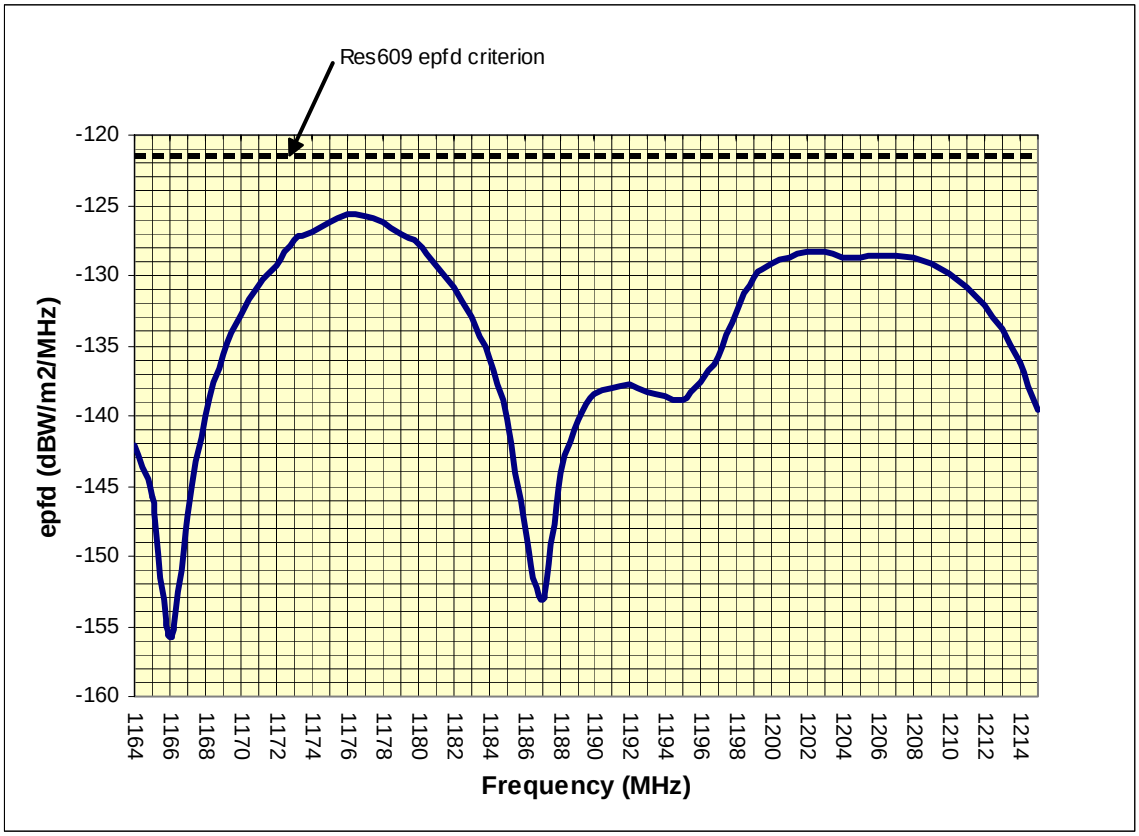

Figure 1: Plot of Table 3 (Maximum RNSS Aggregate epfd per MHz).

Table 4: Maximum RNSS aggregate epfd values per MHz (including COMPASS networks).

Center Frequency (MHz)	Max RNSS Agg epfd (dB(W/m²/MHz))	Center Frequency (MHz)	Max RNSS Agg epfd (dB(W/m²/MHz))	Center Frequency (MHz)	Max RNSS Agg epfd (dB(W/m²/MHz))	Center Frequency (MHz)	Max RNSS Agg epfd (dB(W/m²/MHz))
1164	-142.1507	1177	-125.7519	1190	-138.5021	1203	-127.1602
1165	-145.7666	1178	-126.1601	1191	-137.9789	1204	-127.366
1166	-155.8368	1179	-127.0533	1192	-137.7777	1205	-127.3537
1167	-146.9966	1180	-127.6822	1193	-138.2683	1206	-127.2905
1168	-140.0491	1181	-129.3371	1194	-138.6389	1207	-127.4163
1169	-135.6241	1182	-130.7915	1195	-138.8073	1208	-127.7245
1170	-132.8185	1183	-132.9455	1196	-137.3716	1209	-128.282
1171	-130.6435	1184	-135.87	1197	-135.27	1210	-129.0708
1172	-129.2852	1185	-140.3165	1198	-131.9707	1211	-130.1684
1173	-127.4791	1186	-147.9044	1199	-129.5024	1212	-131.6011
1174	-126.9344	1187	-153.1274	1200	-128.322	1213	-133.5469
1175	-126.1347	1188	-144.0709	1201	-127.7553	1214	-136.0932
1176	**-125.6585**	1189	-140.3451	1202	-127.2447	1215	-139.6232

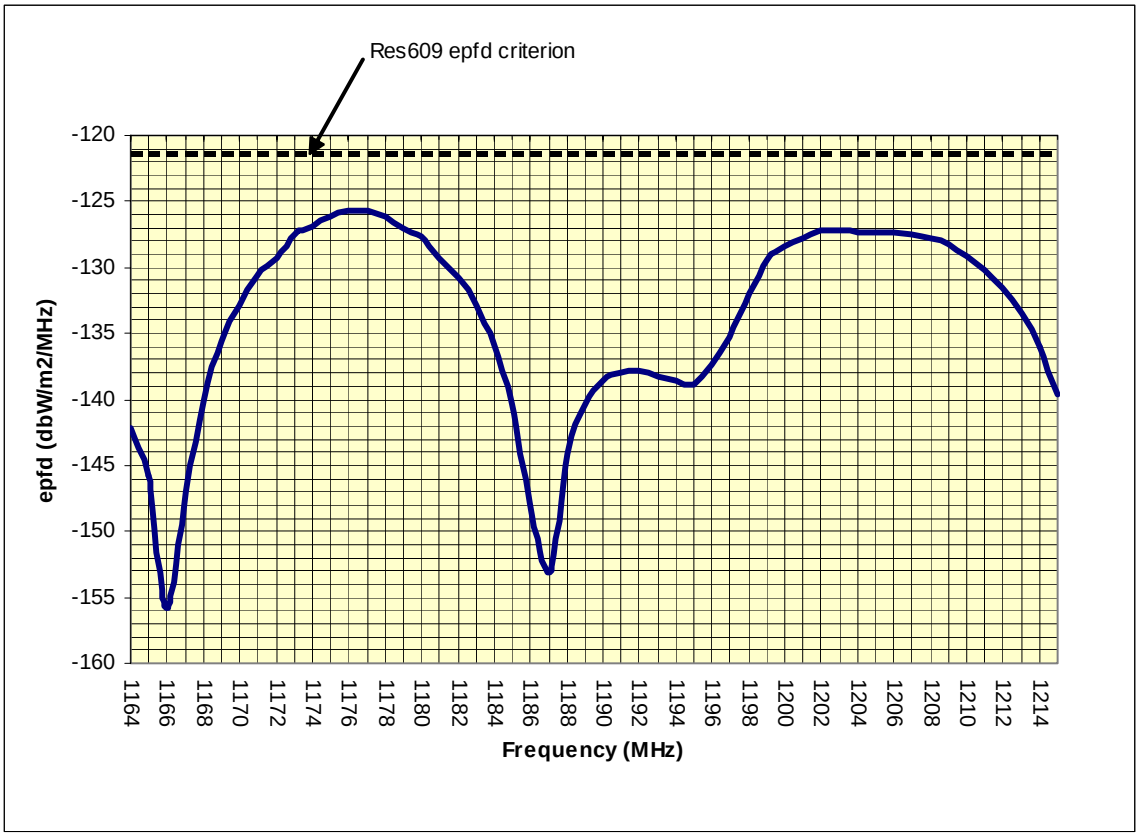

Figure 2: Plot of Table 4 (Maximum RNSS Aggregate epfd per MHz, including COMPASS)