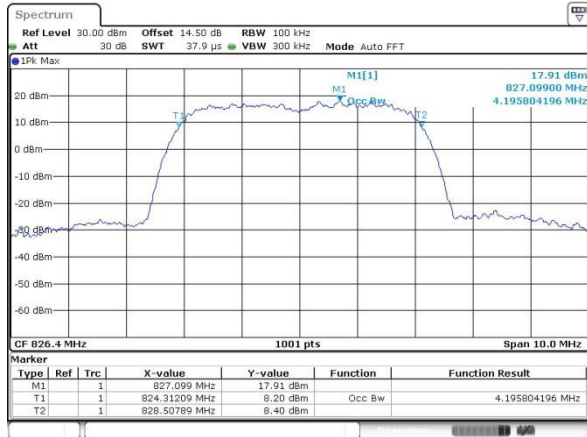




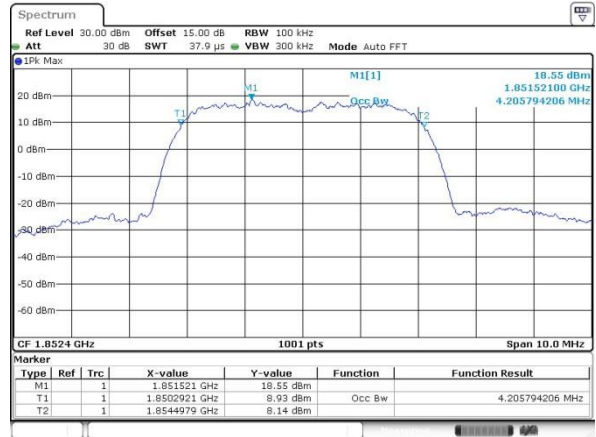
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

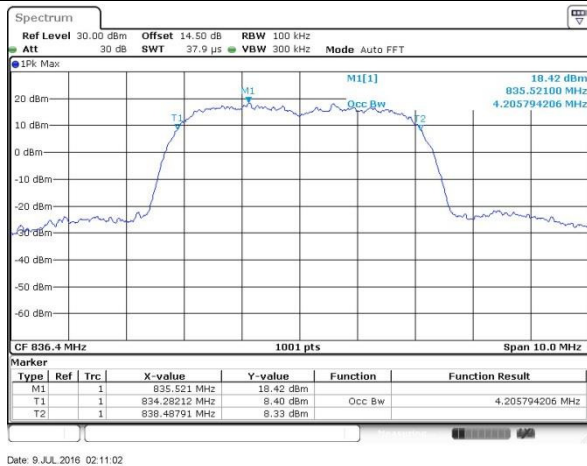


WCDMA Band II (RMC 12.2Kbps)

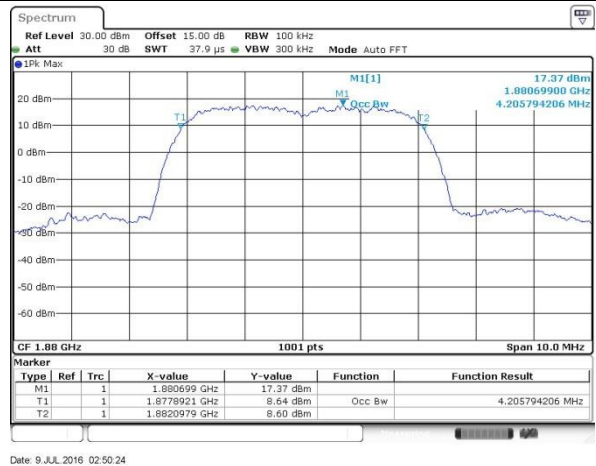
Lowest Channel



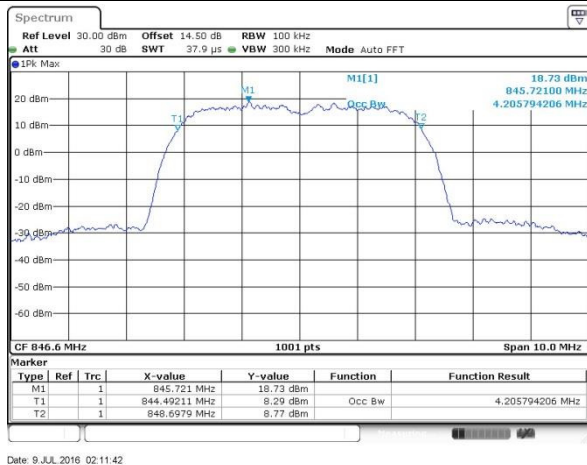
Middle Channel



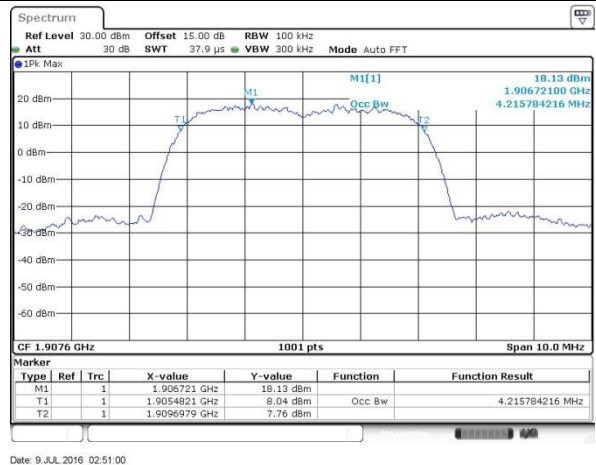
Middle Channel



Highest Channel



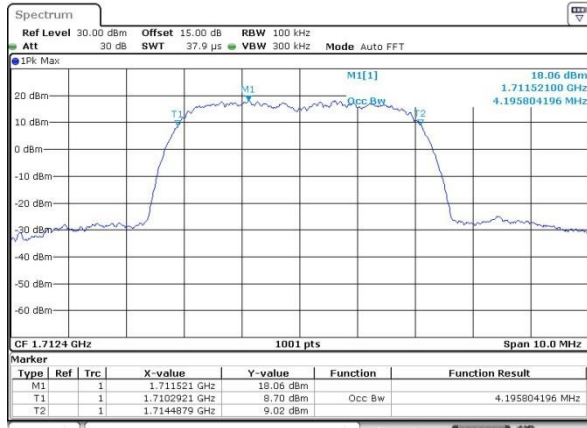
Highest Channel



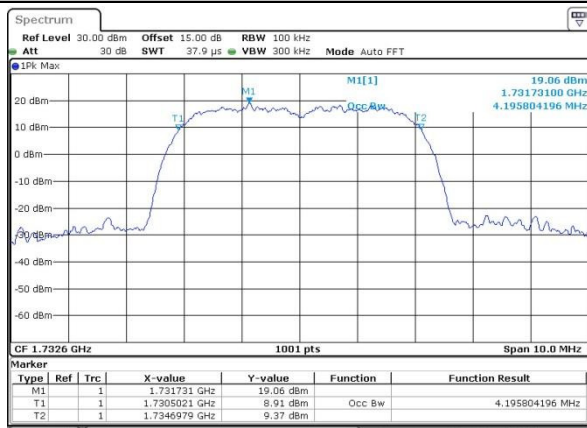


WCDMA Band IV (RMC 12.2Kbps)

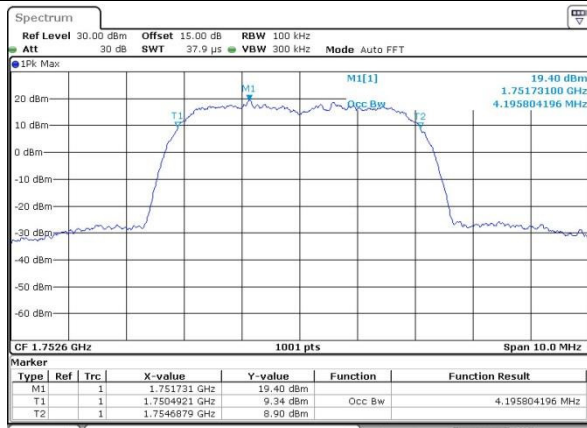
Lowest Channel



Middle Channel



Highest Channel



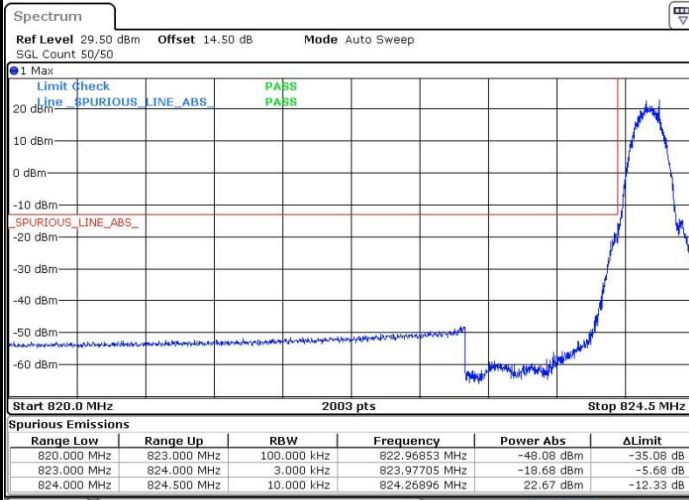


Conducted Band Edge

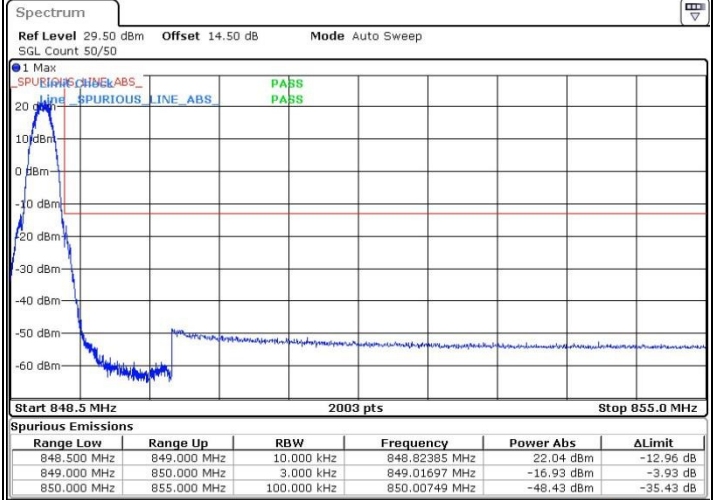


GSM850 (GSM)

Lowest Band Edge

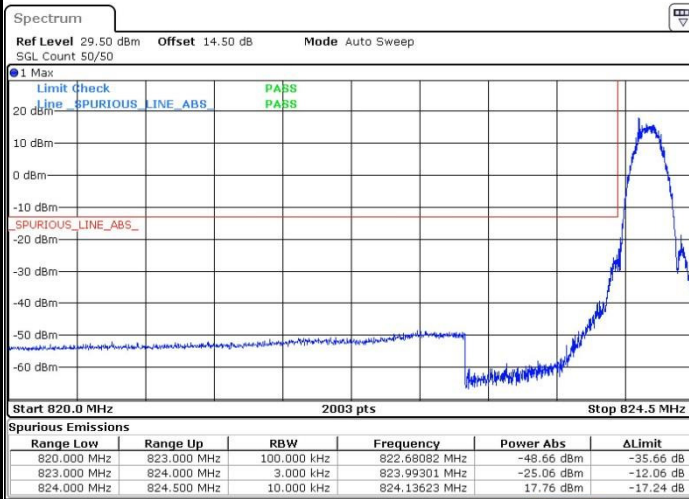


Highest Band Edge

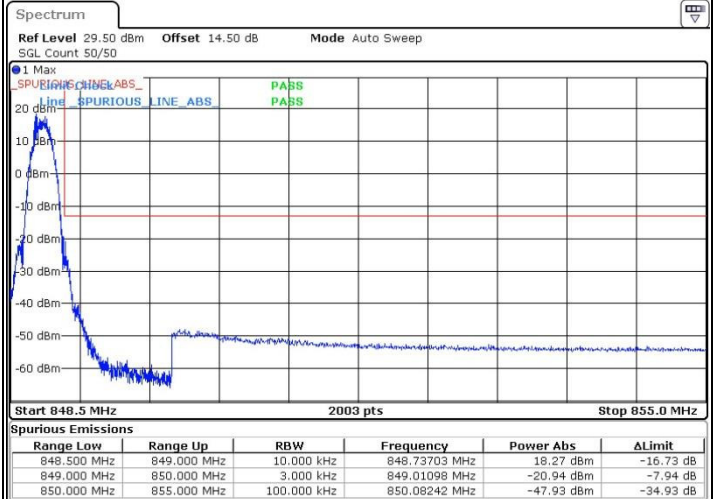


GSM850 (EDGE)

Lowest Band Edge



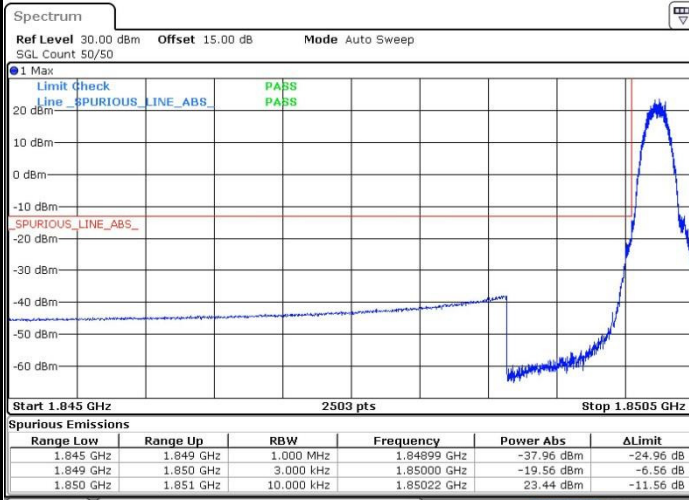
Highest Band Edge



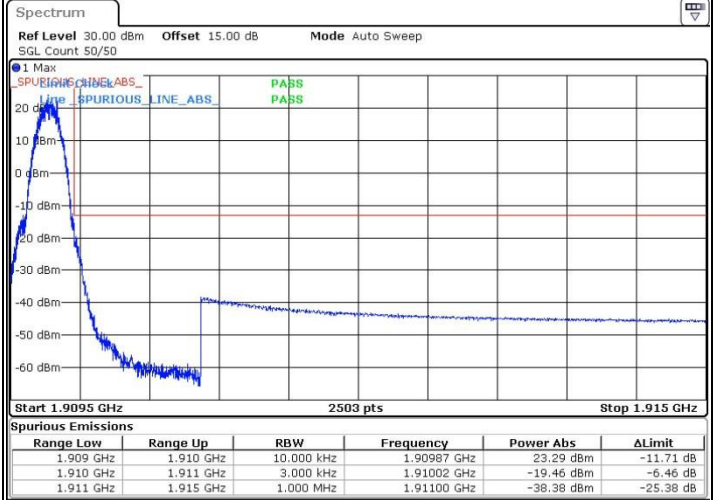


GSM1900 (GSM)

Lowest Band Edge

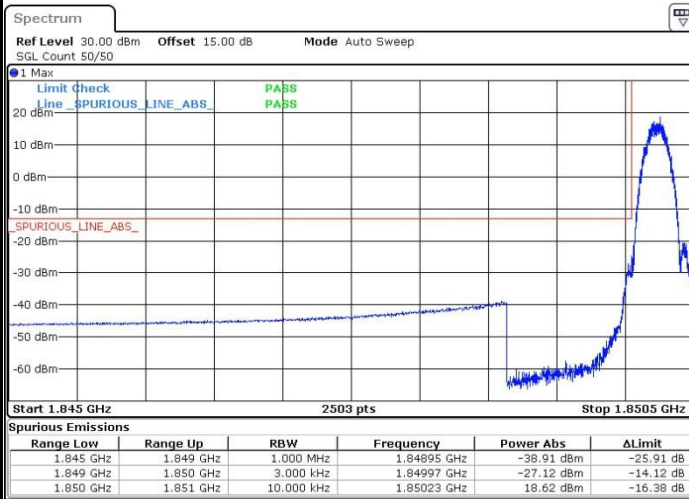


Highest Band Edge

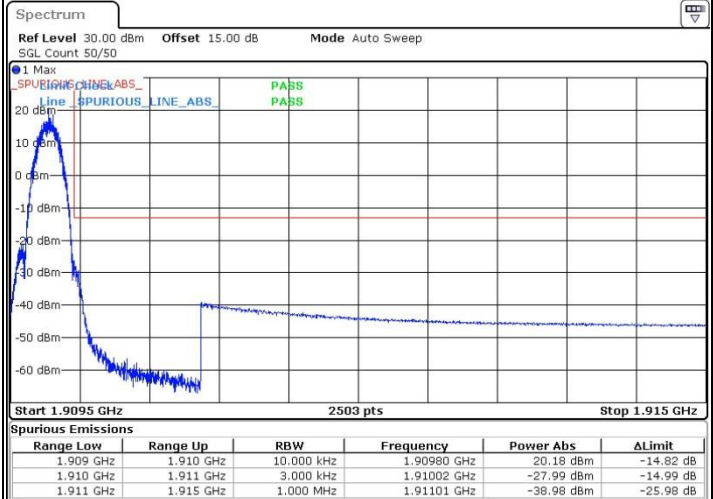


GSM1900 (EDGE)

Lowest Band Edge



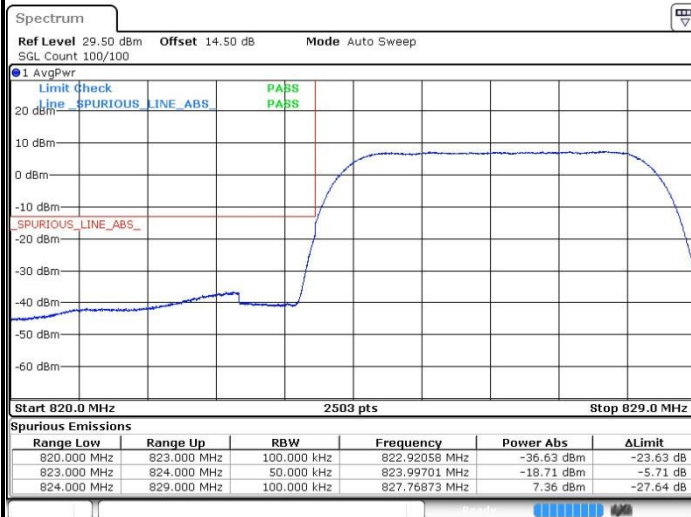
Highest Band Edge





WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

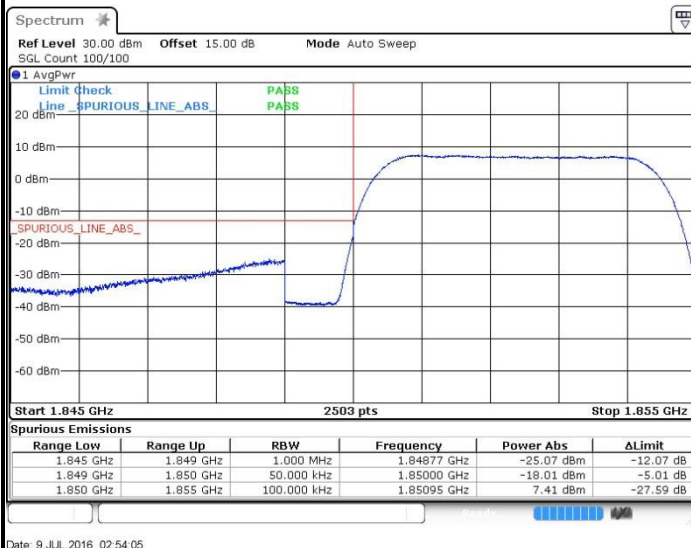


Highest Band Edge

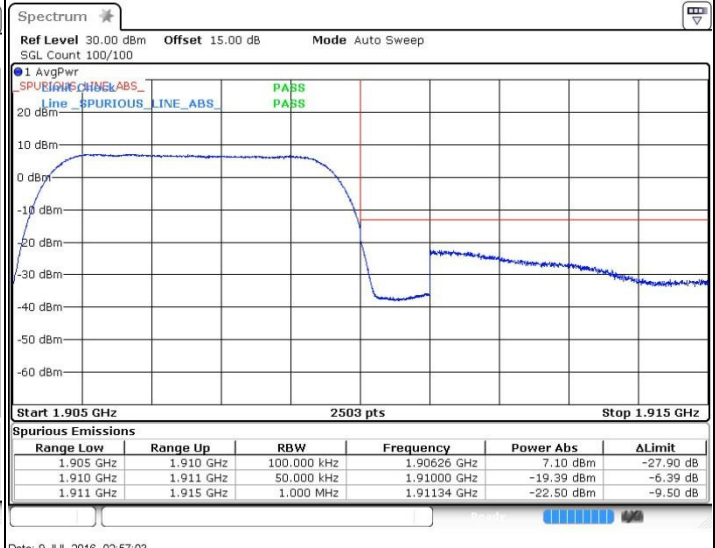


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



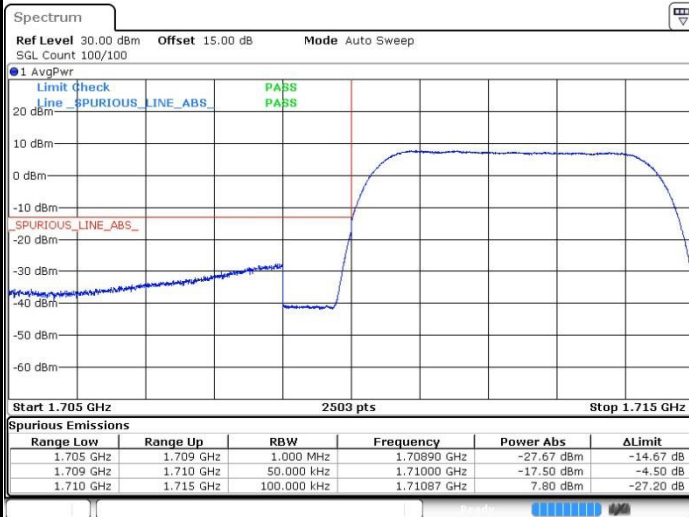
Highest Band Edge





WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

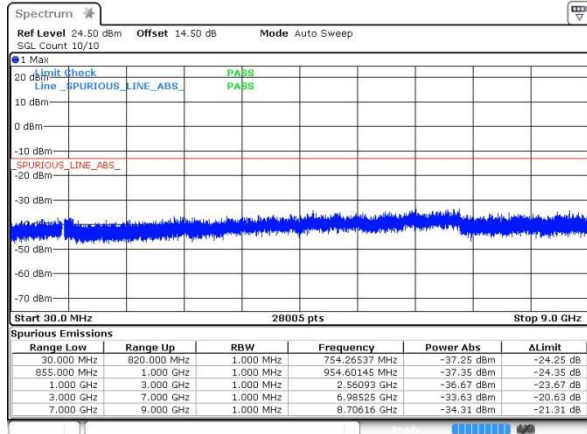




Conducted Spurious Emission

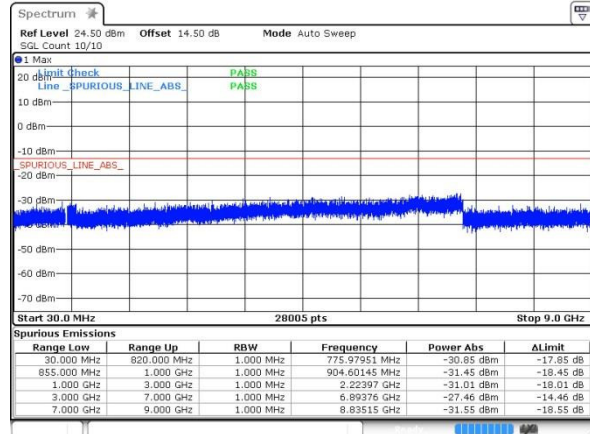
GSM850 (GSM)

Lowest Channel

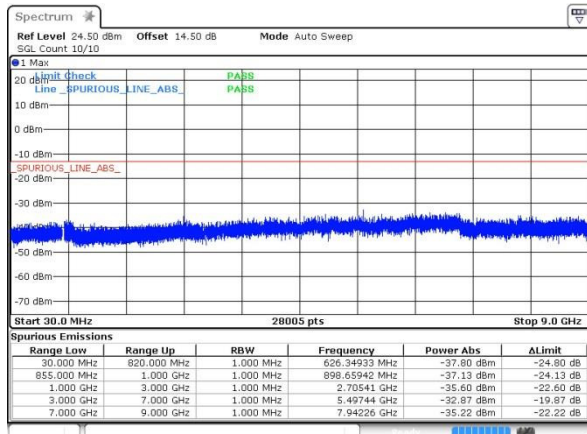


GSM850 (EDGE)

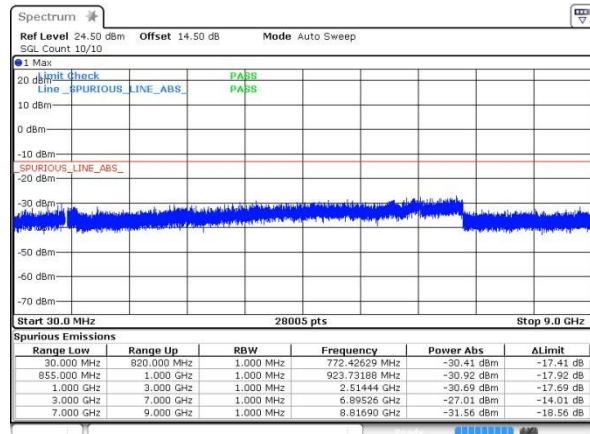
Lowest Channel



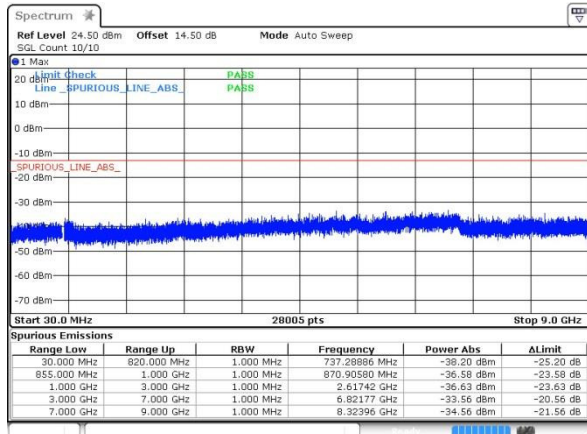
Middle Channel



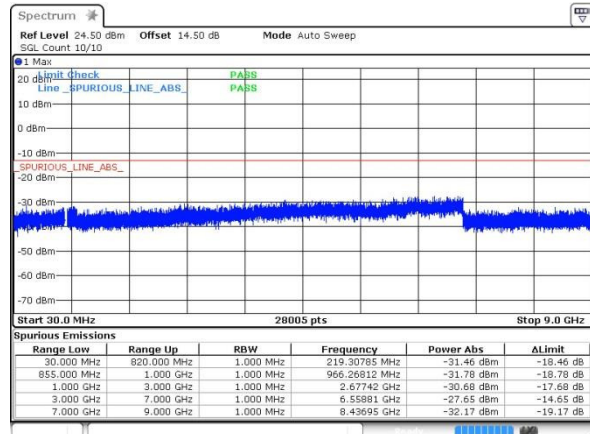
Middle Channel



Highest Channel



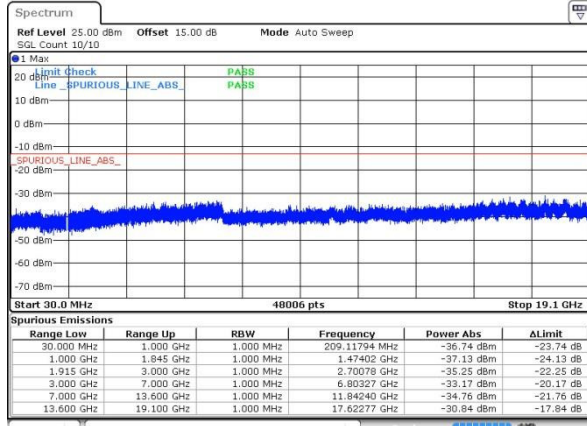
Highest Channel





GSM1900 (GSM)

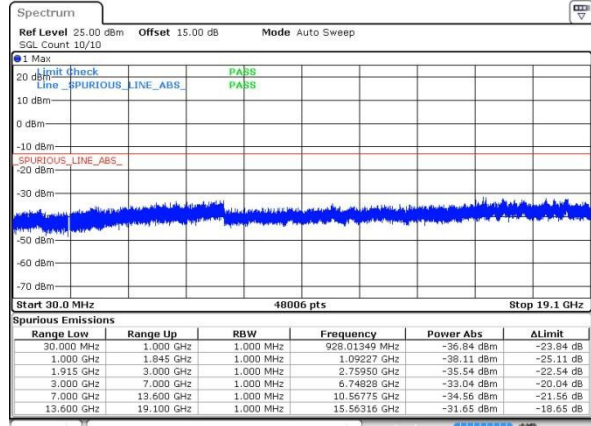
Lowest Channel



Date: 9 JUL 2016 03:38:10

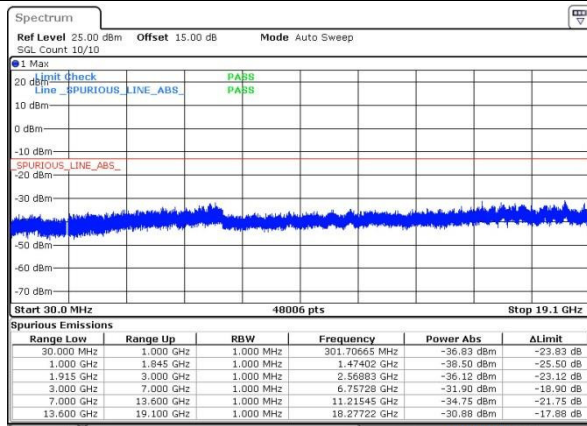
GSM1900 (EDGE)

Lowest Channel



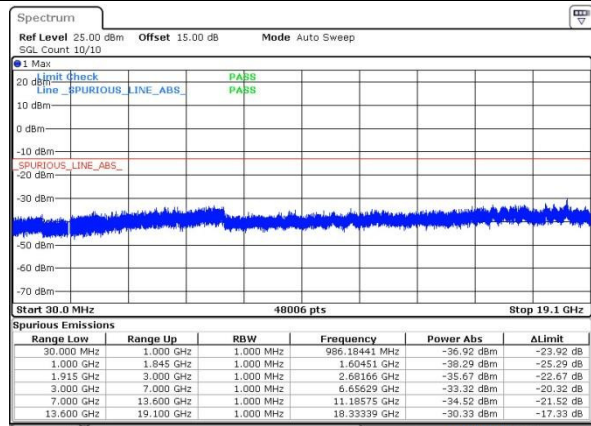
Date: 9 JUL 2016 04:13:32

Middle Channel



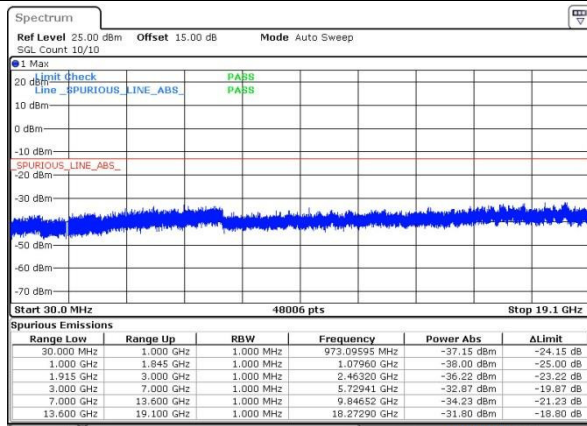
Date: 9 JUL 2016 03:39:31

Middle Channel



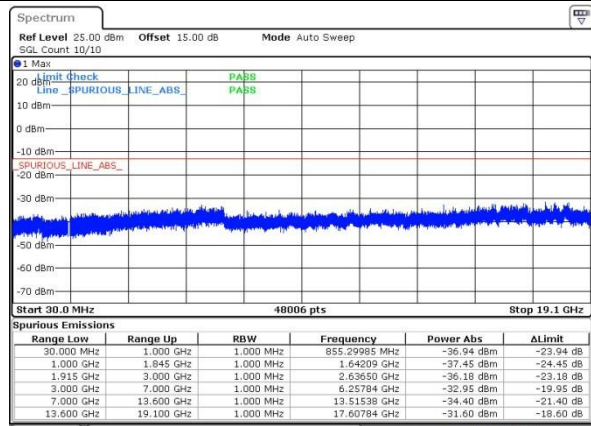
Date: 9 JUL 2016 04:14:53

Highest Channel



Date: 9 JUL 2016 03:40:52

Highest Channel

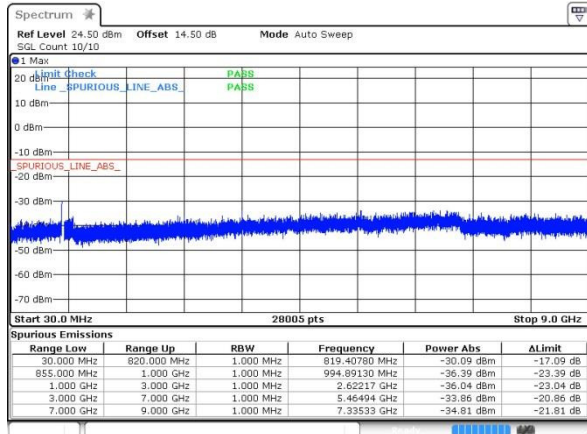


Date: 9 JUL 2016 04:16:17



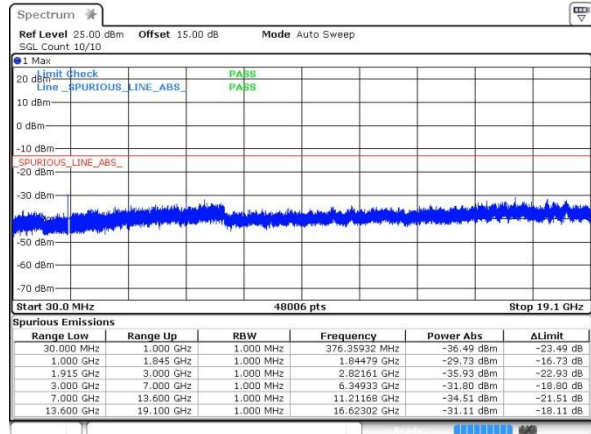
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

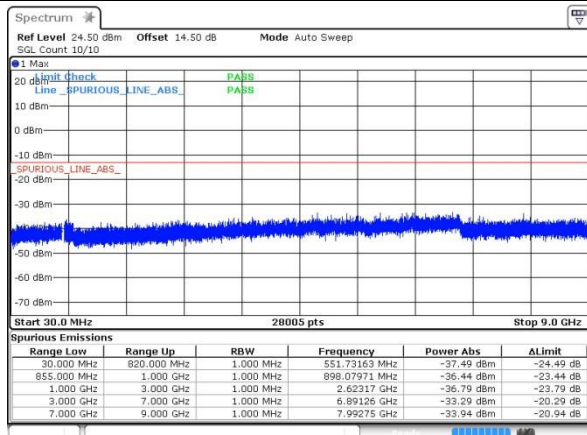


WCDMA Band II (RMC 12.2Kbps)

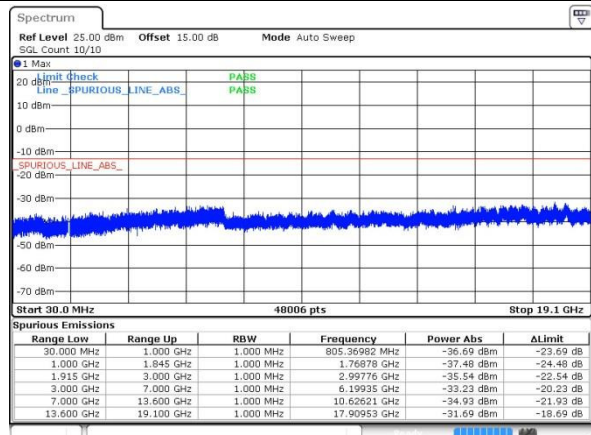
Lowest Channel



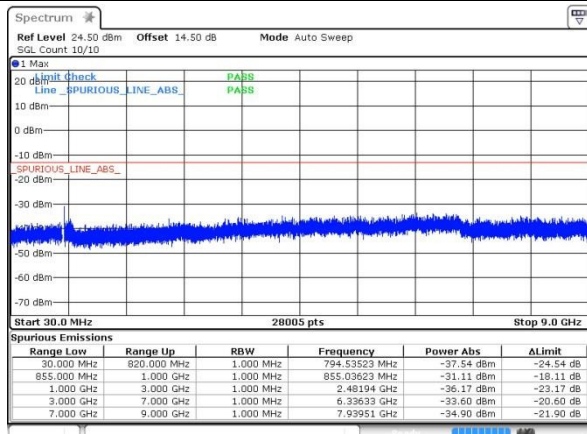
Middle Channel



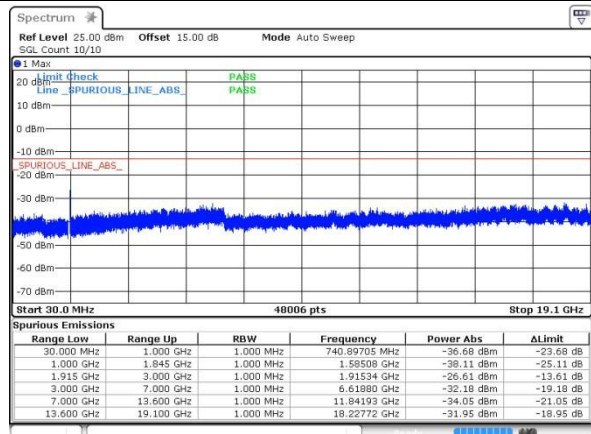
Middle Channel



Highest Channel



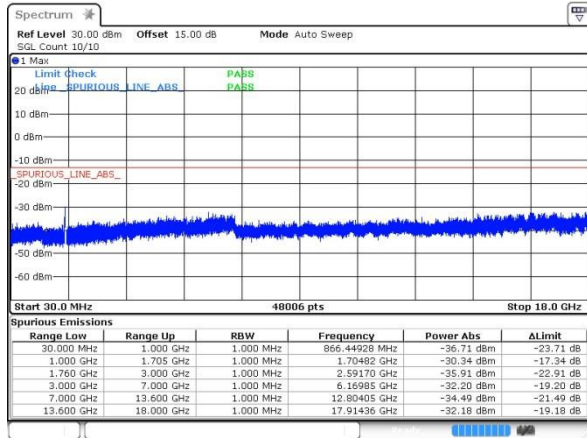
Highest Channel





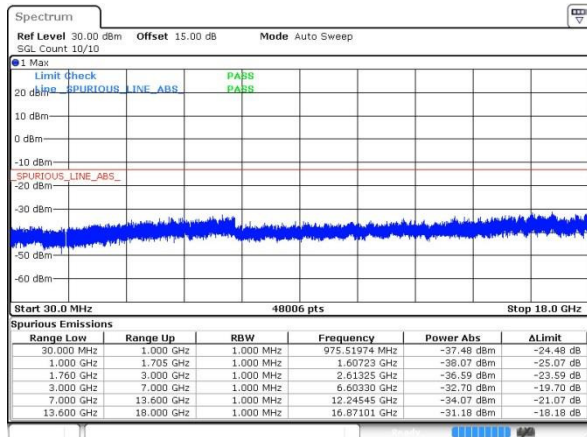
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



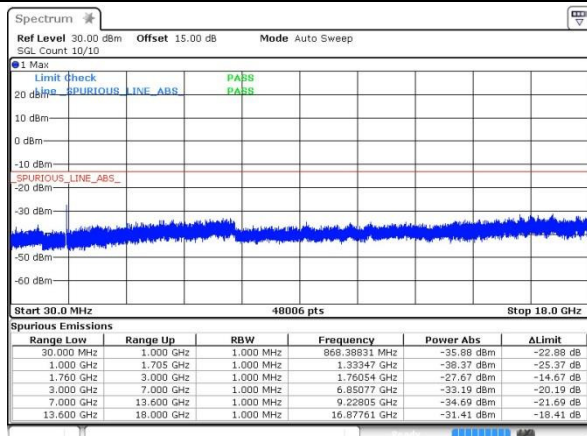
Date: 9 JUL 2016 03:16:56

Middle Channel



Date: 9 JUL 2016 03:20:24

Highest Channel



Date: 9 JUL 2016 03:21:46

**Frequency Stability**

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0048	0.0143	PASS
40	Normal Voltage	0.0072	0.0084	
30	Normal Voltage	0.0048	0.0179	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0024	0.0024	
0	Normal Voltage	0.0012	0.0060	
-10	Normal Voltage	0.0096	0.0132	
-20	Normal Voltage	0.0084	0.0096	
-30	Normal Voltage	0.0108	0.0108	
20	Maximum Voltage	0.0036	0.0120	
20	Normal Voltage	0.0024	0.0167	
20	Battery End Point	0.0132	0.0012	

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0011	0.0043	PASS
40	Normal Voltage	0.0005	0.0059	
30	Normal Voltage	0.0021	0.0027	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0080	0.0005	
0	Normal Voltage	0.0059	0.0016	
-10	Normal Voltage	0.0037	0.0037	
-20	Normal Voltage	0.0021	0.0011	
-30	Normal Voltage	0.0027	0.0005	
20	Maximum Voltage	0.0011	0.0053	
20	Normal Voltage	0.0005	0.0021	
20	Battery End Point	0.0085	0.0048	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4V. ; Maximum Voltage =4.35V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0084	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0036	
0	Normal Voltage	0.0072	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0060	
20	Maximum Voltage	0.0048	
20	Normal Voltage	0.0096	
20	Battery End Point	0.0048	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0059	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0053	
20	Normal Voltage	0.0037	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0063	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0069	
-10	Normal Voltage	0.0058	
-20	Normal Voltage	0.0052	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0075	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

ERP/EIRP

Channel	Mode	Horizontal		Vertical	
		ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	GSM850 GSM	28.30	0.6753	12.89	0.0194
Middle		28.13	0.6499	12.41	0.0174
Highest		27.90	0.6160	12.31	0.0170
Lowest	GSM850 EDGE class 8	23.23	0.2102	7.99	0.0063
Middle		23.47	0.2223	8.12	0.0065
Highest		24.04	0.2534	8.25	0.0067
Lowest	WCDMA Band V RMC 12.2Kbps	19.31	0.0853	4.38	0.0027
Middle		19.80	0.0954	4.44	0.0028
Highest		21.08	0.1281	5.36	0.0034
Limit	ERP < 7W	Result		PASS	

Channel	Mode	Horizontal		Vertical	
		EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	GSM1900 GSM	27.54	0.5671	20.21	0.1050
Middle		27.20	0.5253	19.05	0.0804
Highest		27.50	0.5625	19.45	0.0880
Lowest	GSM1900 EDGE class 8	24.10	0.2568	16.96	0.0496
Middle		23.76	0.2375	16.18	0.0415
Highest		24.89	0.3086	17.08	0.0510
Lowest	WCDMA Band II RMC 12.2Kbps	22.05	0.1603	14.93	0.0311
Middle		22.81	0.1910	14.85	0.0305
Highest		23.16	0.2072	15.23	0.0333
Limit	EIRP < 2W	Result		PASS	

Channel	Mode	Horizontal		Vertical	
		EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	WCDMA Band IV RMC 12.2Kbps	19.91	0.0979	17.14	0.0518
Middle		19.98	0.0995	15.84	0.0384
Highest		20.19	0.1044	14.72	0.0296
Limit	EIRP < 1W	Result		PASS	

**Radiated Spurious Emission**

GSM850 (GSM)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-39.79	-13	-26.79	-40.94	-41.65	1.19	5.20	H
	2472	-53.46	-13	-40.46	-56.45	-55.68	1.53	5.90	H
	3296	-61.60	-13	-48.60	-65.55	-64.39	1.76	6.70	H
	1648	-50.48	-13	-37.48	-49.81	-52.34	1.19	5.20	V
	2472	-56.42	-13	-43.42	-58.4	-58.64	1.53	5.90	V
	3296	-61.84	-13	-48.84	-65.16	-64.63	1.76	6.70	V
Middle	1672	-41.58	-13	-28.58	-42.52	-43.44	1.19	5.20	H
	2512	-55.74	-13	-42.74	-58.73	-57.96	1.53	5.90	H
	3344	-60.72	-13	-47.72	-64.67	-63.51	1.76	6.70	H
	1672	-51.70	-13	-38.70	-50.8	-53.56	1.19	5.20	V
	2512	-57.92	-13	-44.92	-59.9	-60.14	1.53	5.90	V
	3344	-62.05	-13	-49.05	-65.37	-64.84	1.76	6.70	V
Highest	1696	-42.29	-13	-29.29	-43.21	-44.15	1.19	5.20	H
	2544	-55.39	-13	-42.39	-58.38	-57.61	1.53	5.90	H
	3392	-61.29	-13	-48.29	-65.24	-64.08	1.76	6.70	H
	1696	-53.86	-13	-40.86	-52.23	-55.72	1.19	5.20	V
	2544	-56.44	-13	-43.44	-58.42	-58.66	1.53	5.90	V
	3392	-61.35	-13	-48.35	-64.67	-64.14	1.76	6.70	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



GSM850 (EDGE class 8)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-60.54	-13	-47.54	-59.17	-62.40	1.19	5.20	H
	2472	-61.27	-13	-48.27	-64.26	-63.49	1.53	5.90	H
	3296	-60.60	-13	-47.60	-64.55	-63.39	1.76	6.70	H
	1648	-64.75	-13	-51.75	-62.71	-66.61	1.19	5.20	V
	2472	-61.93	-13	-48.93	-63.91	-64.15	1.53	5.90	V
	3296	-61.91	-13	-48.91	-65.23	-64.70	1.76	6.70	V
Middle	1672	-64.76	-13	-51.76	-63.39	-66.62	1.19	5.20	H
	2509	-61.94	-13	-48.94	-64.93	-64.16	1.53	5.90	H
	3345.6	-62.31	-13	-49.31	-66.26	-65.10	1.76	6.70	H
	1672	-63.85	-13	-50.85	-61.81	-65.71	1.19	5.20	V
	2509	-62.87	-13	-49.87	-64.85	-65.09	1.53	5.90	V
	3345.6	-62.34	-13	-49.34	-65.66	-65.13	1.76	6.70	V
Highest	1696	-64.26	-13	-51.26	-62.89	-66.12	1.19	5.20	H
	2544	-61.76	-13	-48.76	-64.75	-63.98	1.53	5.90	H
	3392	-61.59	-13	-48.59	-65.54	-64.38	1.76	6.70	H
	1696	-65.38	-13	-52.38	-63.34	-67.24	1.19	5.20	V
	2544	-61.44	-13	-48.44	-63.42	-63.66	1.53	5.90	V
	3392	-61.81	-13	-48.81	-65.13	-64.60	1.76	6.70	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



GSM1900 (GSM)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-52.29	-13	-39.29	-56.69	-57.28	1.88	6.87	H
	5550	-39.88	-13	-26.88	-53.77	-47.18	2.38	9.68	H
	7400.8	-56.46	-13	-43.46	-68.49	-65.53	2.74	11.81	H
	3702	-56.79	-13	-43.79	-60.58	-61.78	1.88	6.87	V
	5550	-51.41	-13	-38.41	-60.37	-58.71	2.38	9.68	V
	7398	-56.42	-13	-43.42	-67.13	-65.49	2.74	11.81	V
Middle	3762	-47.29	-13	-34.29	-54.50	-52.28	1.88	6.87	H
	5640	-43.55	-13	-30.55	-55.77	-50.85	2.38	9.68	H
	7518	-57.03	-13	-44.03	-69.06	-66.10	2.74	11.81	H
	3762	-56.09	-13	-43.09	-59.88	-61.08	1.88	6.87	V
	5640	-52.49	-13	-39.49	-61.06	-59.79	2.38	9.68	V
	7518	-57.47	-13	-44.47	-68.18	-66.54	2.74	11.81	V
Highest	3822	-45.15	-13	-32.15	-52.89	-50.14	1.88	6.87	H
	5730	-46.07	-13	-33.07	-57.44	-53.37	2.38	9.68	H
	7638	-56.13	-13	-43.13	-68.16	-65.20	2.74	11.81	H
	3822	-57.81	-13	-44.81	-61.6	-62.80	1.88	6.87	V
	5730	-54.33	-13	-41.33	-62.9	-61.63	2.38	9.68	V
	7638	-57.81	-13	-44.81	-68.52	-66.88	2.74	11.81	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



GSM1900 (EDGE class 8)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-55.91	-13	-42.91	-59.42	-60.90	1.88	6.87	H
	5550	-51.04	-13	-38.04	-60.14	-58.34	2.38	9.68	H
	7400	-56.42	-13	-43.42	-68.45	-65.49	2.74	11.81	H
	3700	-59.72	-13	-46.72	-63.51	-64.71	1.88	6.87	V
	5550	-56.99	-13	-43.99	-65.56	-64.29	2.38	9.68	V
	7398	-57.41	-13	-44.41	-68.12	-66.48	2.74	11.81	V
Middle	3762	-60.20	-13	-47.20	-63.71	-65.19	1.88	6.87	H
	5640	-59.03	-13	-46.03	-67.22	-66.33	2.38	9.68	H
	7520	-57.22	-13	-44.22	-69.25	-66.29	2.74	11.81	H
	3760	-62.72	-13	-49.72	-66.51	-67.71	1.88	6.87	V
	5640	-58.68	-13	-45.68	-67.25	-65.98	2.38	9.68	V
	7518	-58.05	-13	-45.05	-68.76	-67.12	2.74	11.81	V
Highest	3822	-54.68	-13	-41.68	-58.23	-59.67	1.88	6.87	H
	5730	-54.97	-13	-41.97	-63.16	-62.27	2.38	9.68	H
	7638	-56.23	-13	-43.23	-68.26	-65.30	2.74	11.81	H
	3822	-59.23	-13	-46.23	-63.02	-64.22	1.88	6.87	V
	5730	-58.38	-13	-45.38	-66.95	-65.68	2.38	9.68	V
	7638	-57.47	-13	-44.47	-68.18	-66.54	2.74	11.81	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



WCDMA Band V(RMC 12.2Kbps)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1656	-61.15	-13	-48.15	-59.78	-63.01	1.19	5.20	H
	2480	-60.29	-13	-47.29	-63.28	-62.51	1.53	5.90	H
	3304	-60.18	-13	-47.18	-64.13	-62.97	1.76	6.70	H
	1656	-64.94	-13	-51.94	-62.9	-66.80	1.19	5.20	V
	2480	-61.51	-13	-48.51	-63.49	-63.73	1.53	5.90	V
	3304	-61.31	-13	-48.31	-64.63	-64.10	1.76	6.70	V
Middle	1672	-62.49	-13	-49.49	-61.12	-64.35	1.19	5.20	H
	2512	-61.46	-13	-48.46	-64.45	-63.68	1.53	5.90	H
	3344	-60.06	-13	-47.06	-64.01	-62.85	1.76	6.70	H
	1672	-64.22	-13	-51.22	-62.18	-66.08	1.19	5.20	V
	2512	-62.35	-13	-49.35	-64.33	-64.57	1.53	5.90	V
	3344	-60.77	-13	-47.77	-64.09	-63.56	1.76	6.70	V
Highest	1688	-57.12	-13	-44.12	-55.75	-58.98	1.19	5.20	H
	2536	-60.43	-13	-47.43	-63.42	-62.65	1.53	5.90	H
	3384	-60.86	-13	-47.86	-64.81	-63.65	1.76	6.70	H
	1688	-64.27	-13	-51.27	-62.23	-66.13	1.19	5.20	V
	2544	-62.14	-13	-49.14	-64.12	-64.36	1.53	5.90	V
	3392	-60.68	-13	-47.68	-64	-63.47	1.76	6.70	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



WCDMA Band II(RMC 12.2Kbps)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3704.8	-62.73	-13	-49.73	-66.24	-67.72	1.88	6.87	H
	5556	-59.41	-13	-46.41	-67.60	-66.71	2.38	9.68	H
	7409.6	-57.16	-13	-44.16	-69.19	-66.23	2.74	11.81	H
	3702	-62.20	-13	-49.20	-65.99	-67.19	1.88	6.87	V
	5557.2	-57.87	-13	-44.87	-66.44	-65.17	2.38	9.68	V
	7410	-58.15	-13	-45.15	-68.86	-67.22	2.74	11.81	V
Middle	3762	-63.07	-13	-50.07	-66.58	-68.06	1.88	6.87	H
	5640	-59.14	-13	-46.14	-67.33	-66.44	2.38	9.68	H
	7518	-56.76	-13	-43.76	-68.79	-65.83	2.74	11.81	H
	3762	-62.03	-13	-49.03	-65.82	-67.02	1.88	6.87	V
	5640	-58.62	-13	-45.62	-67.19	-65.92	2.38	9.68	V
	7518	-58.42	-13	-45.42	-69.13	-67.49	2.74	11.81	V
Highest	3815.2	-62.15	-13	-49.15	-65.66	-67.14	1.88	6.87	H
	5724	-59.60	-13	-46.60	-67.79	-66.90	2.38	9.68	H
	7632	-57.30	-13	-44.30	-69.33	-66.37	2.74	11.81	H
	3815.2	-61.82	-13	-48.82	-65.61	-66.81	1.88	6.87	V
	5724	-59.10	-13	-46.10	-67.67	-66.40	2.38	9.68	V
	7632	-58.32	-13	-45.32	-69.03	-67.39	2.74	11.81	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



WCDMA Band IV(RMC 12.2Kbps)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3426	-59.00	-13	-46.00	-65.79	-63.89	1.81	6.70	H
	5137.2	-55.15	-13	-42.15	-67.83	-62.05	2.23	9.13	H
	6849.6	-53.28	-13	-40.28	-68.46	-61.34	2.60	10.66	H
	3424.8	-60.81	-13	-47.81	-66.01	-65.70	1.81	6.70	V
	5137.2	-54.41	-13	-41.41	-67.96	-61.31	2.23	9.13	V
	6852	-53.42	-13	-40.42	-68.47	-61.48	2.6	10.66	V
Middle	3468	-59.53	-13	-46.53	-66.32	-64.42	1.81	6.70	H
	5197.8	-54.68	-13	-41.68	-67.36	-61.58	2.23	9.13	H
	6930.4	-53.30	-13	-40.30	-68.48	-61.36	2.60	10.66	H
	3465.2	-60.79	-13	-47.79	-65.99	-65.68	1.81	6.70	V
	5197.8	-53.44	-13	-40.44	-66.99	-60.34	2.23	9.13	V
	6930	-53.42	-13	-40.42	-68.47	-61.48	2.6	10.66	V
Highest	3504	-58.54	-13	-45.54	-65.33	-63.43	1.81	6.70	H
	5257.8	-53.81	-13	-40.81	-66.49	-60.71	2.23	9.13	H
	7010.4	-53.17	-13	-40.17	-68.35	-61.23	2.60	10.66	H
	3505.2	-59.44	-13	-46.44	-64.64	-64.33	1.81	6.70	V
	5257.8	-52.70	-13	-39.70	-66.25	-59.60	2.23	9.13	V
	7008	-53.07	-13	-40.07	-68.12	-61.13	2.6	10.66	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.