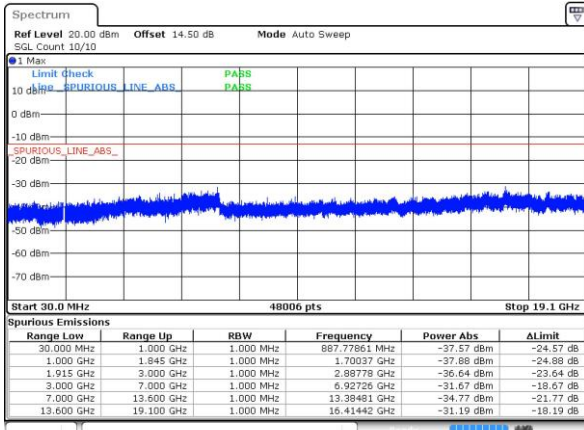




GSM1900 (GSM)

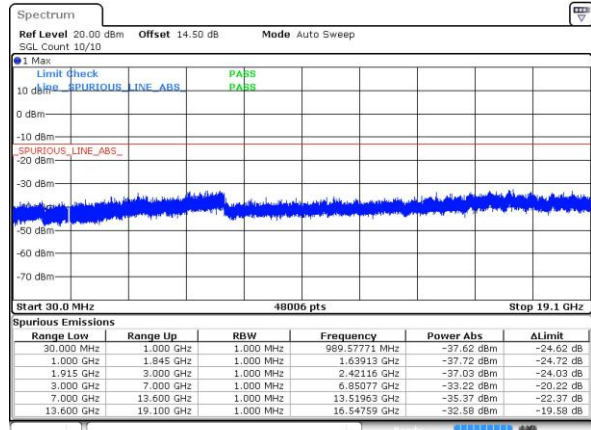
Lowest Channel



Date: 7 JUL 2020 17:15:38

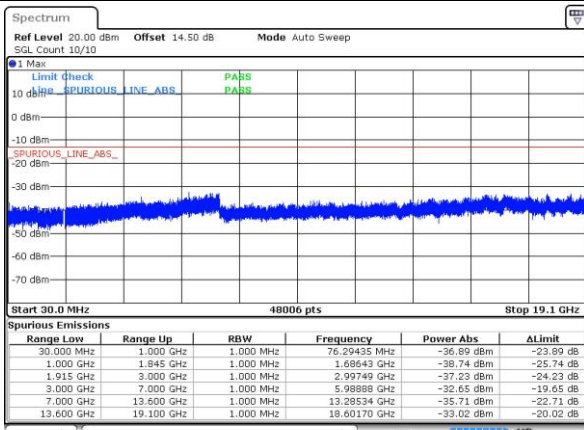
GSM1900 (EDGE 1 Tx slots)

Lowest Channel

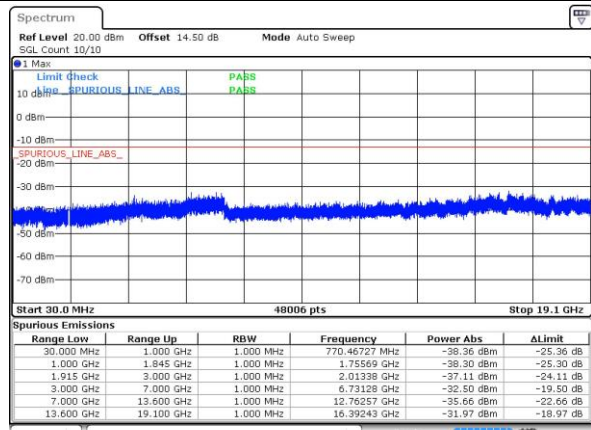


Date: 7 JUL 2020 16:51:17

Middle Channel

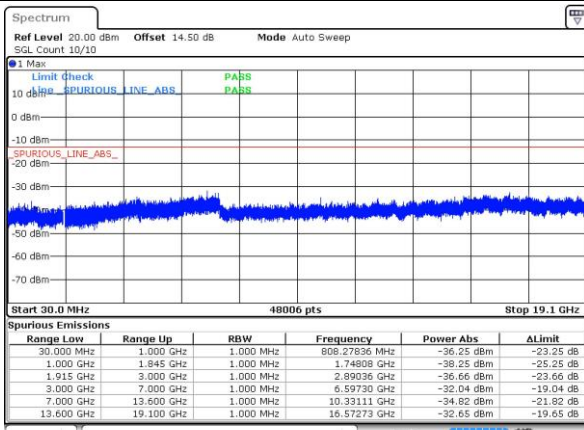


Date: 7 JUL 2020 17:16:27

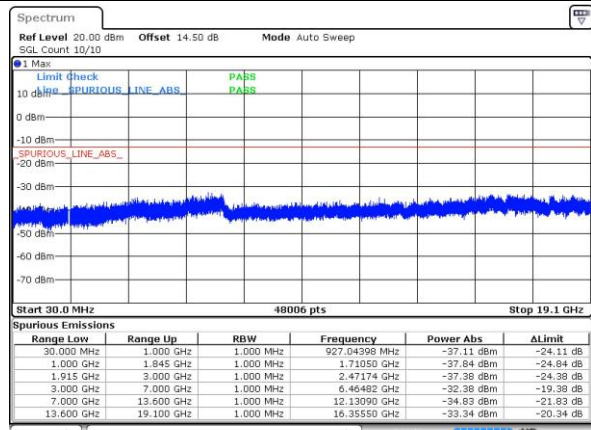


Date: 7 JUL 2020 16:51:54

Highest Channel



Date: 7 JUL 2020 17:17:04



Date: 7 JUL 2020 16:52:45

**Frequency Stability**

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0170	0.0012	PASS
40	Normal Voltage	0.0022	0.0036	
30	Normal Voltage	0.0026	0.0012	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0024	0.0271	
0	Normal Voltage	0.0017	0.0036	
-10	Normal Voltage	0.0029	0.0005	
-20	Normal Voltage	0.0004	0.0023	
-30	Normal Voltage	0.0011	0.0299	
20	Maximum Voltage	0.0148	0.0007	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0033	0.0312	

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0138	0.0011	PASS
40	Normal Voltage	0.0015	0.0052	
30	Normal Voltage	0.0019	0.0013	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0154	0.0011	
0	Normal Voltage	0.0009	0.0010	
-10	Normal Voltage	0.0004	0.0007	
-20	Normal Voltage	0.0141	0.0060	
-30	Normal Voltage	0.0149	0.0007	
20	Maximum Voltage	0.0145	0.0010	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0137	0.0009	

Note:

1. Normal Voltage = 7.74V. ; Battery End Point (BEP) = 7.2 V. ; Maximum Voltage = 8.9 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



WCDMA

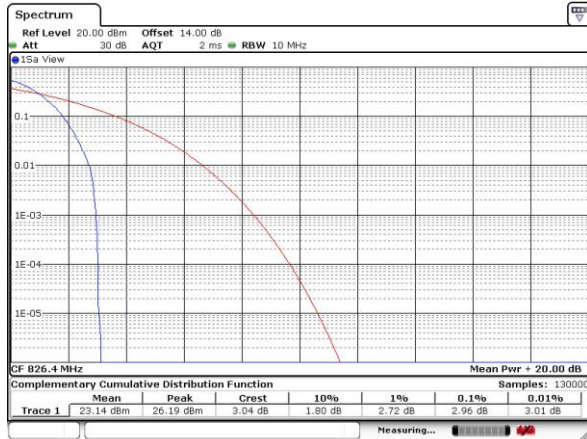
Peak-to-Average Ratio

Mode	WCDMA Band V(dB)	WCDMA Band II(dB)	WCDMA Band IV(dB)	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	2.96	2.75	2.90	PASS
Middle CH	2.81	2.78	2.78	
Highest CH	2.96	2.84	2.84	



WCDMA Band V (RMC 12.2Kbps)

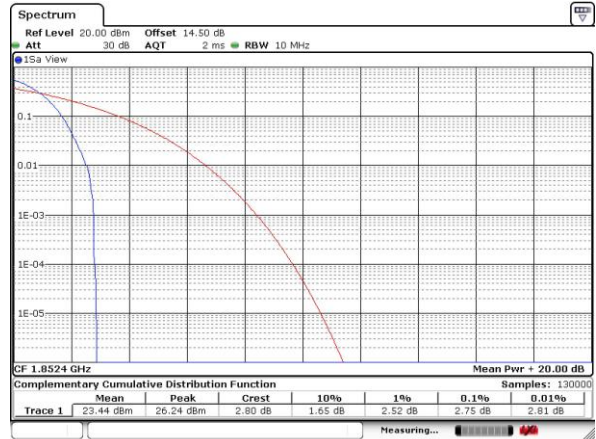
Lowest Channel



Date: 7 JUL 2020 18:14:18

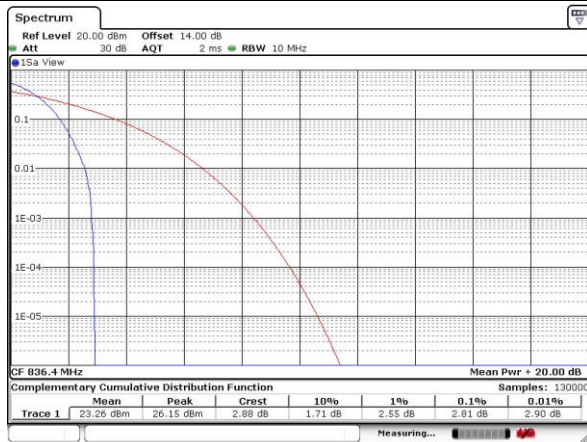
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



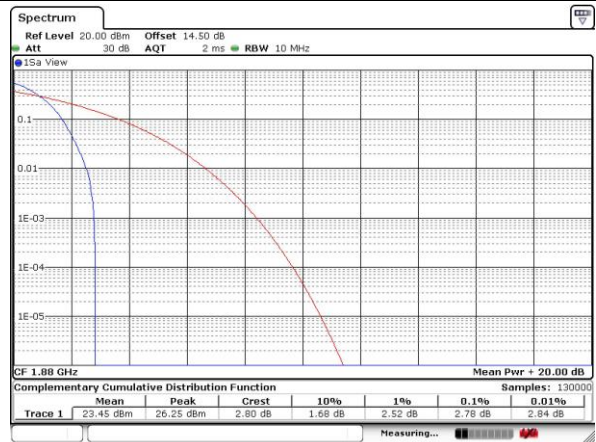
Date: 7 JUL 2020 17:41:21

Middle Channel



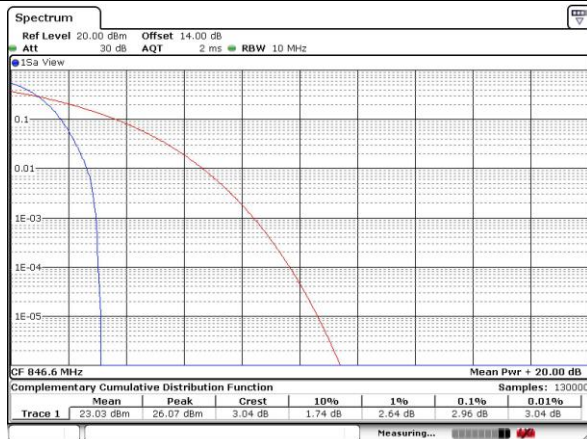
Date: 7 JUL 2020 18:14:45

Middle Channel



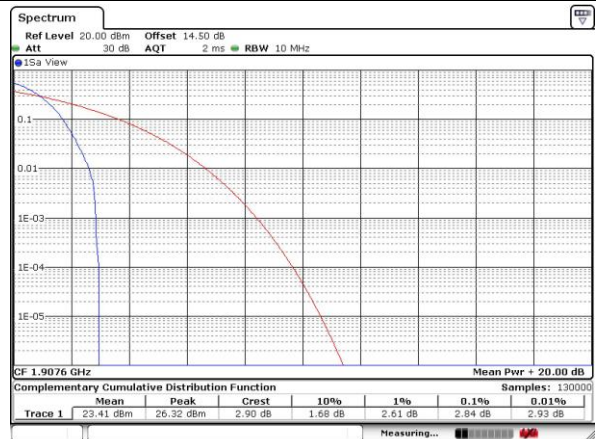
Date: 7 JUL 2020 17:42:21

Highest Channel



Date: 7 JUL 2020 18:15:01

Highest Channel

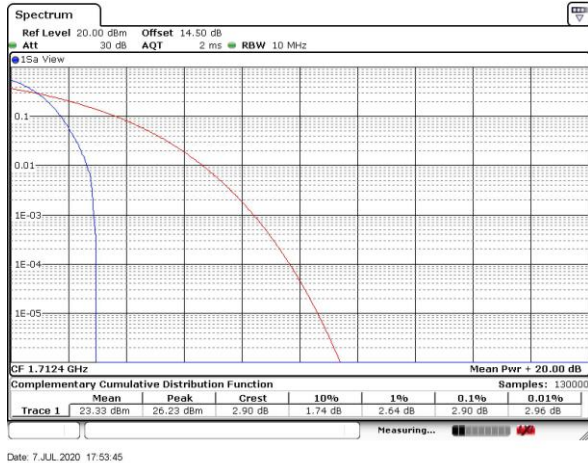


Date: 7 JUL 2020 17:42:38



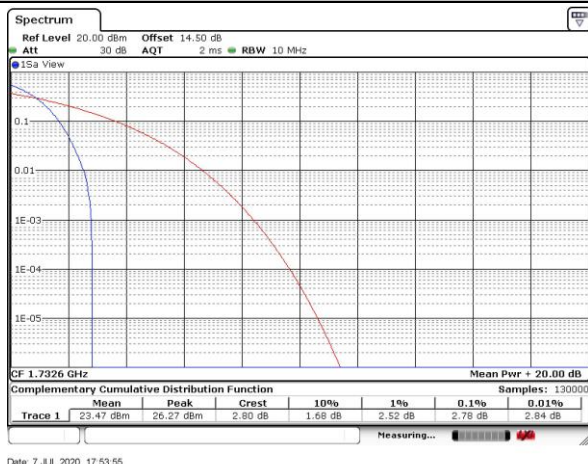
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



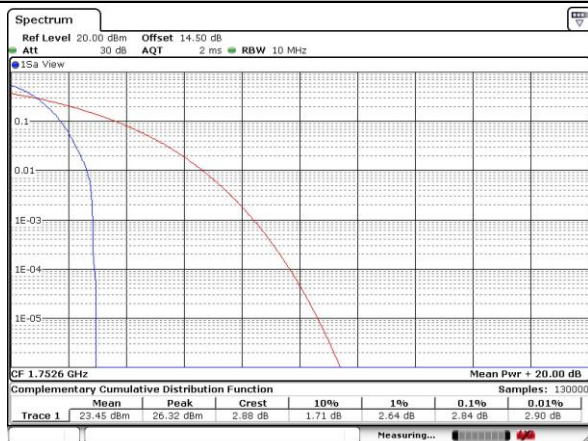
Date: 7 JUL 2020 17:53:45

Middle Channel



Date: 7 JUL 2020 17:53:55

Highest Channel



Date: 7 JUL 2020 17:54:09

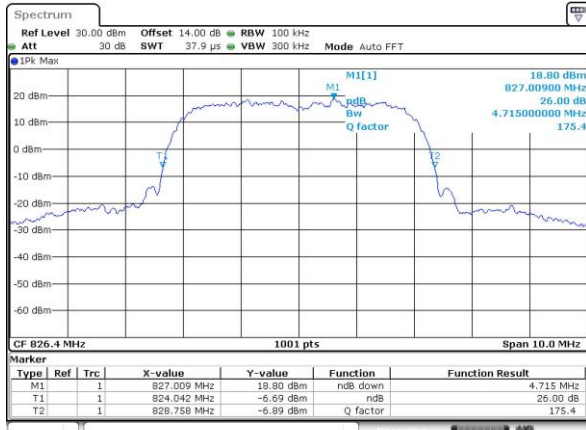
**26dB Bandwidth**

Mode	WCDMA Band V(MHz)	WCDMA Band II(MHz)	WCDMA Band IV(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.72	4.73	4.71
Middle CH	4.72	4.74	4.72
Highest CH	4.72	4.72	4.72



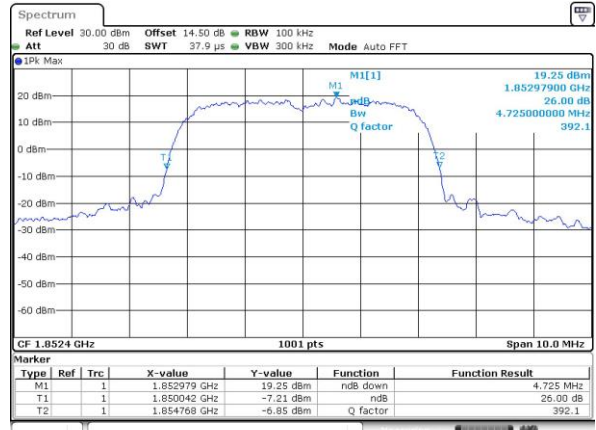
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

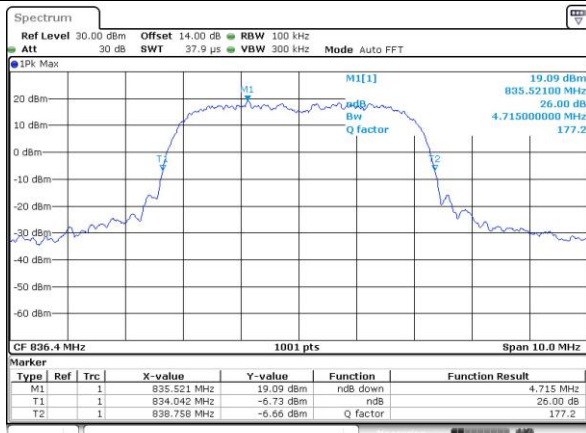


WCDMA Band II (RMC 12.2Kbps)

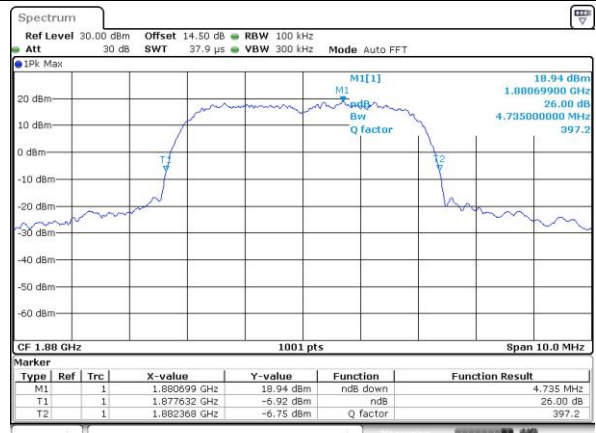
Lowest Channel



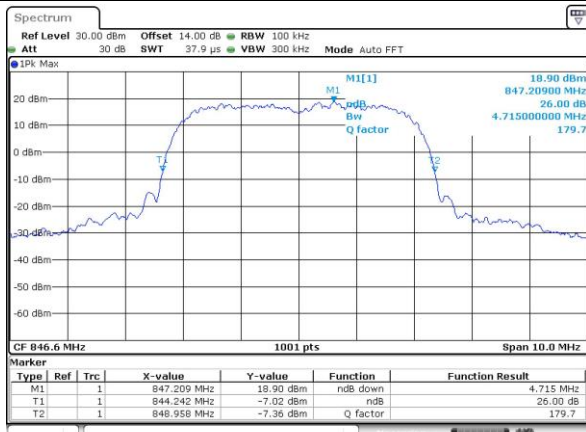
Middle Channel



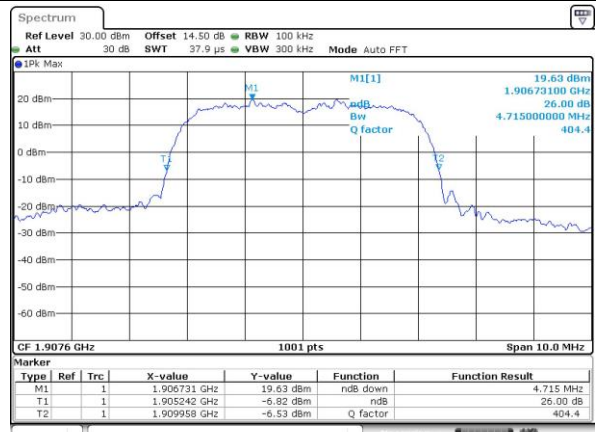
Middle Channel



Highest Channel



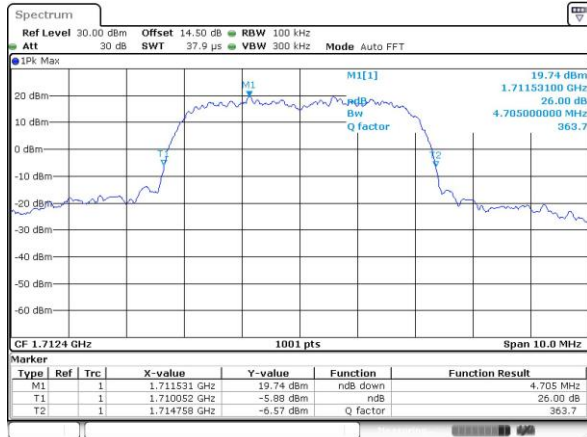
Highest Channel



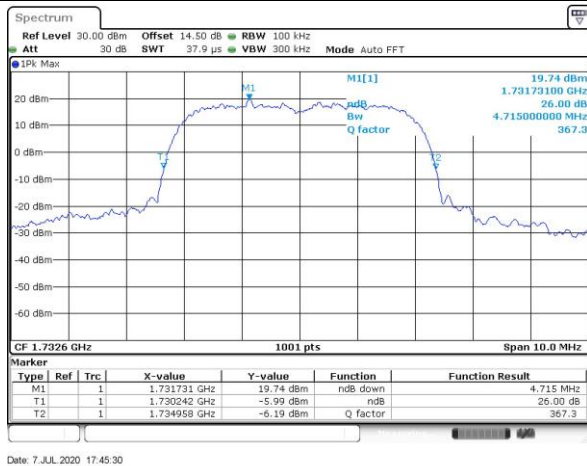


WCDMA Band IV (RMC 12.2Kbps)

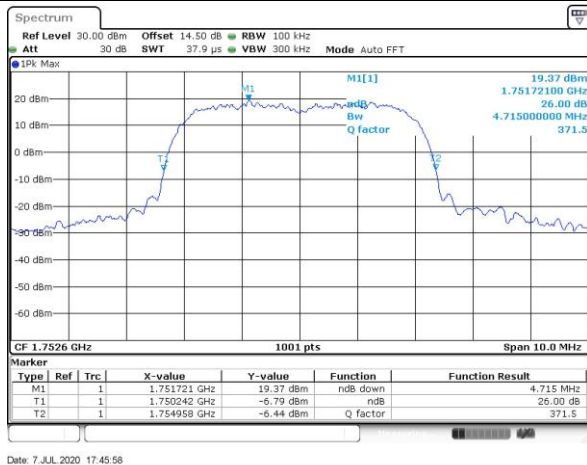
Lowest Channel



Middle Channel



Highest Channel





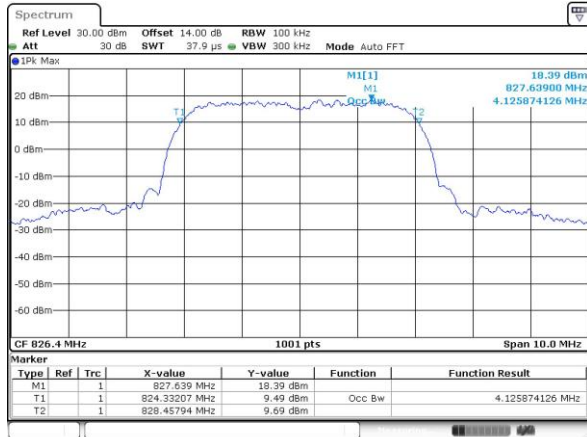
Occupied Bandwidth

Mode	WCDMA Band V(MHz)	WCDMA Band II(MHz)	WCDMA Band IV(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.13	4.15	4.16
Middle CH	4.14	4.14	4.14
Highest CH	4.14	4.15	4.14



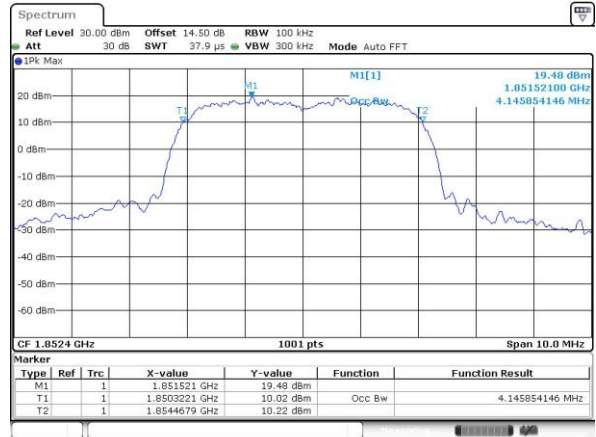
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

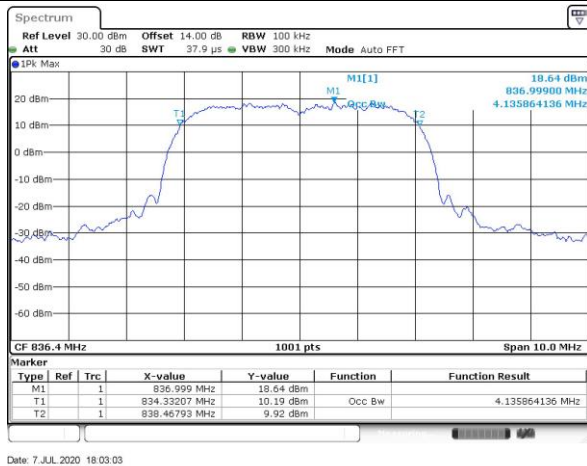


WCDMA Band II (RMC 12.2Kbps)

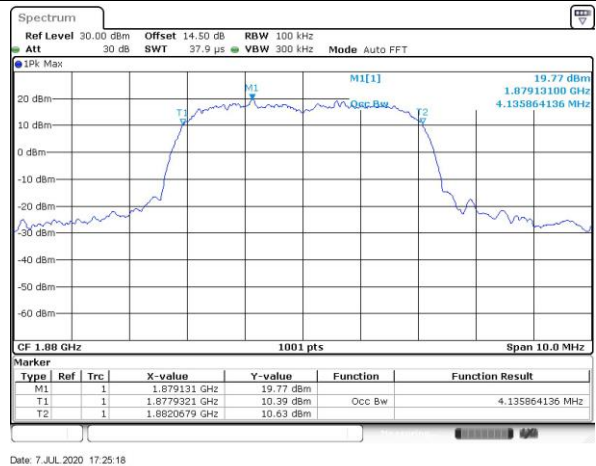
Lowest Channel



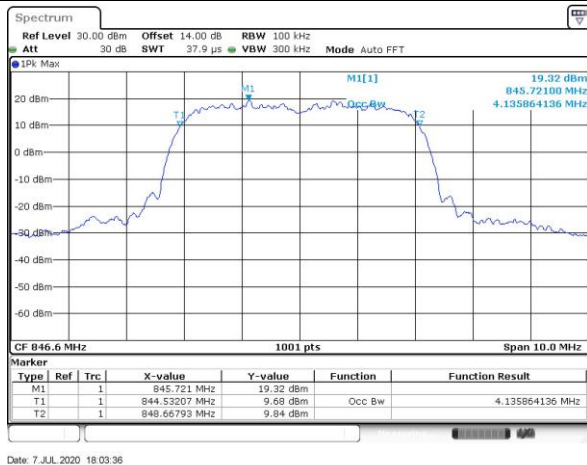
Middle Channel



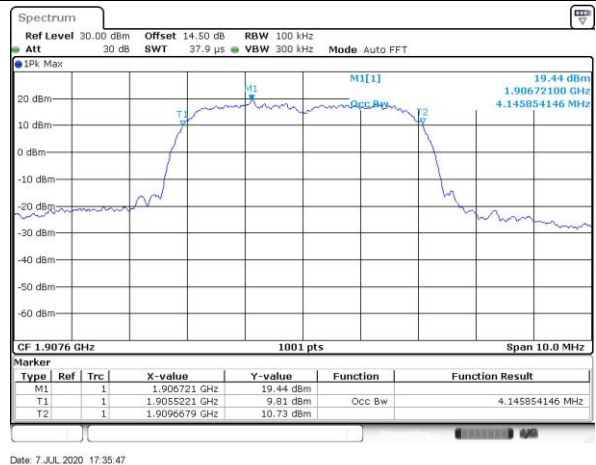
Middle Channel



Highest Channel



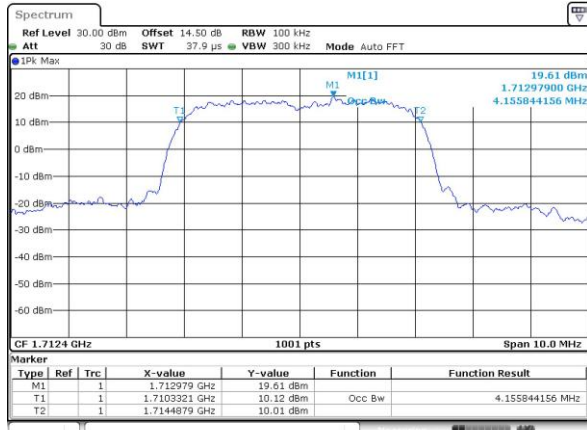
Highest Channel



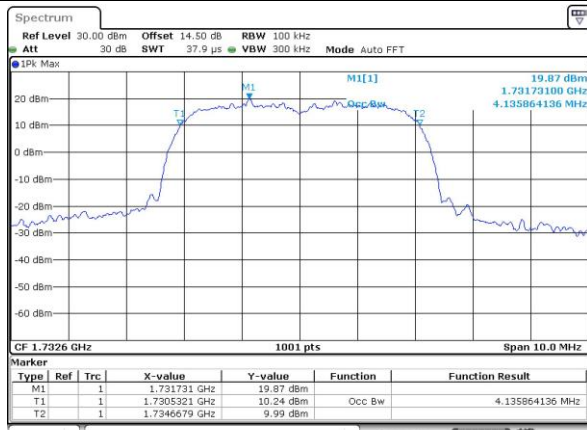


WCDMA Band IV (RMC 12.2Kbps)

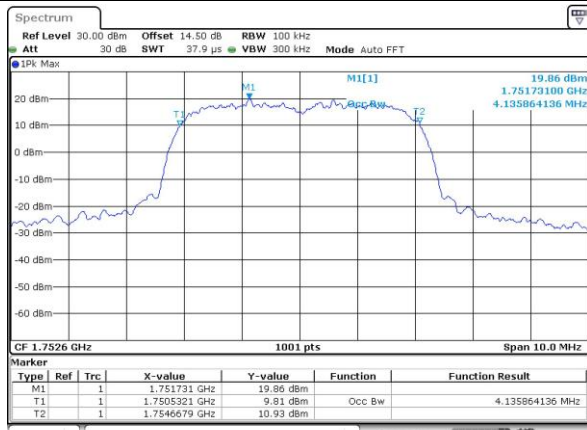
Lowest Channel



Middle Channel



Highest Channel





Conducted Band Edge



WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 7 JUL 2020 18:04:29

Highest Band Edge

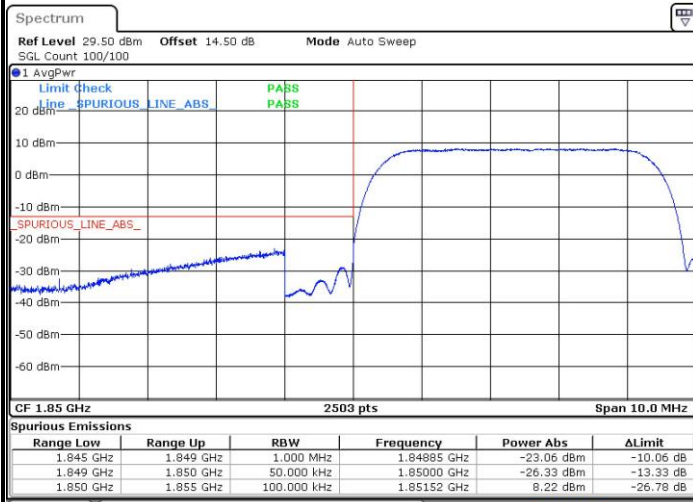


Date: 7 JUL 2020 18:10:15



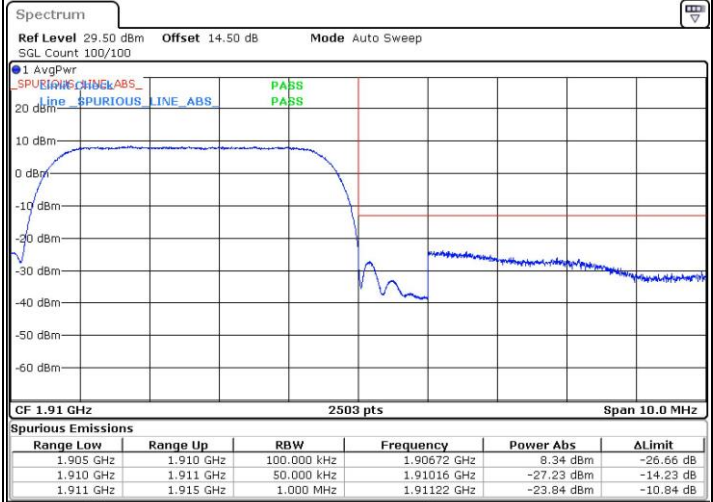
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 7 JUL 2020 17:37:09

Highest Band Edge

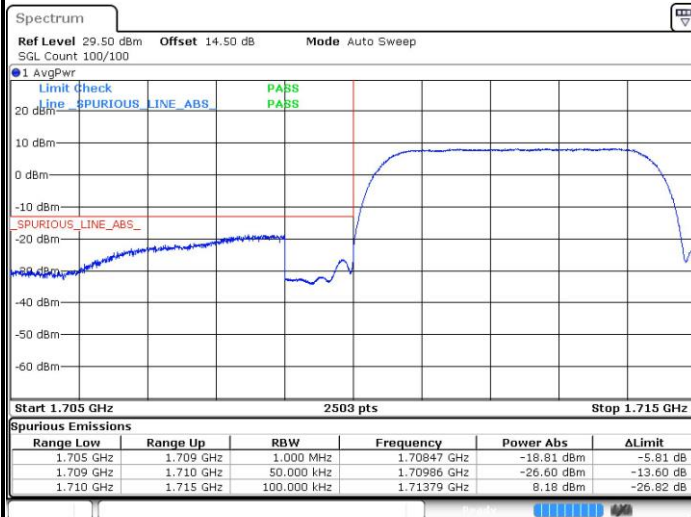


Date: 7 JUL 2020 17:38:16

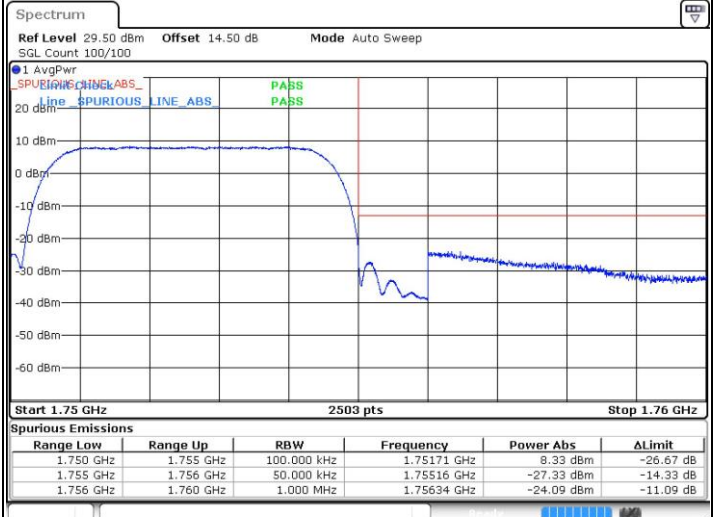


WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge



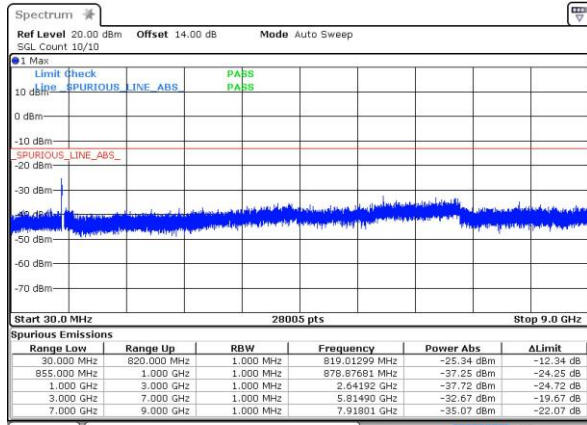


Conducted Spurious Emission



WCDMA Band V (RMC 12.2Kbps)

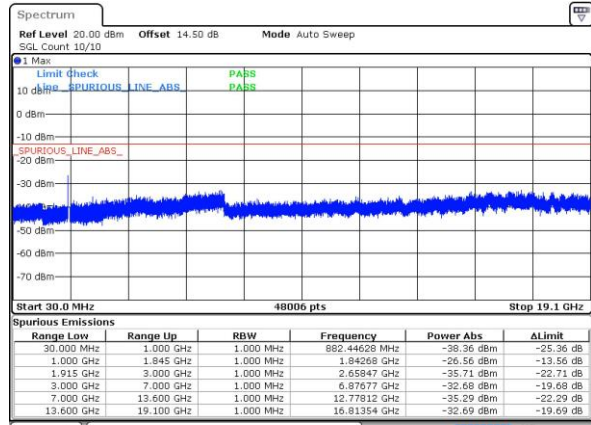
Lowest Channel



Date: 7 JUL 2020 18:11:53

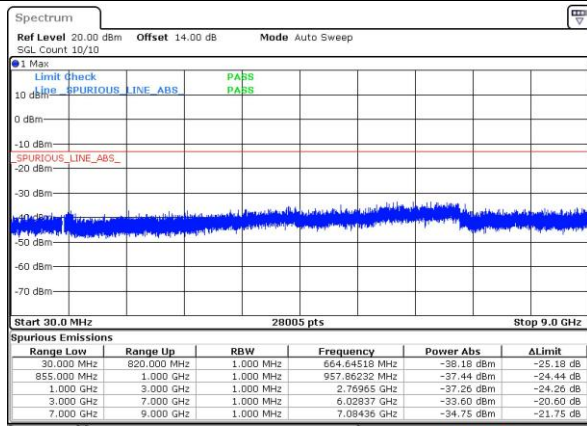
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



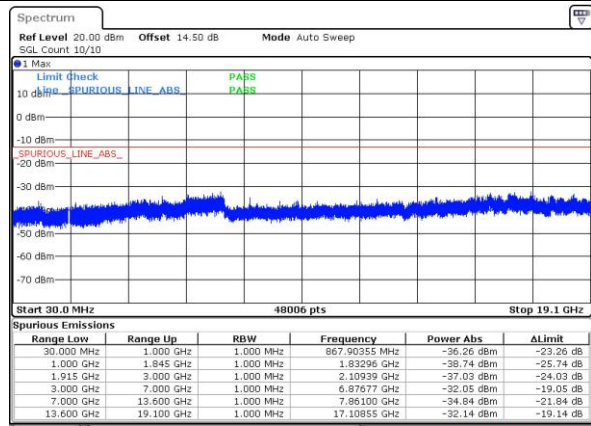
Date: 7 JUL 2020 17:39:13

Middle Channel



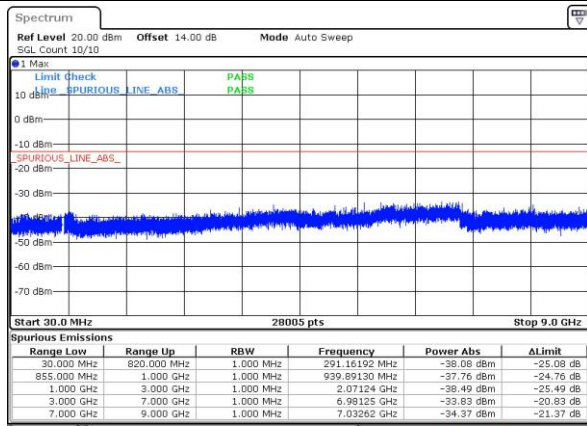
Date: 7 JUL 2020 18:12:27

Middle Channel



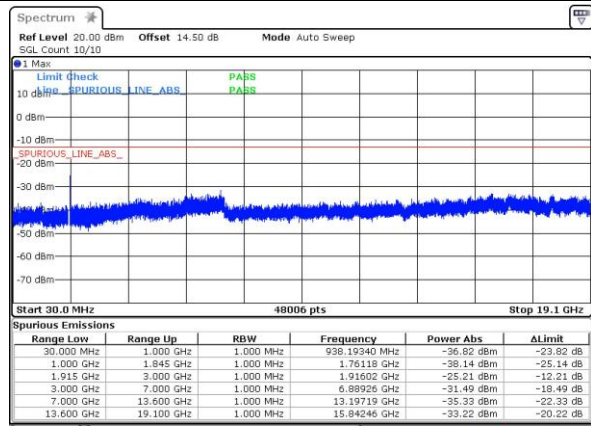
Date: 7 JUL 2020 17:40:00

Highest Channel



Date: 7 JUL 2020 18:13:19

Highest Channel

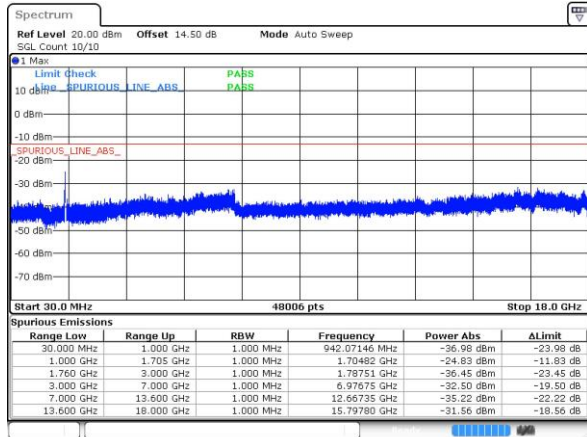


Date: 7 JUL 2020 17:40:51



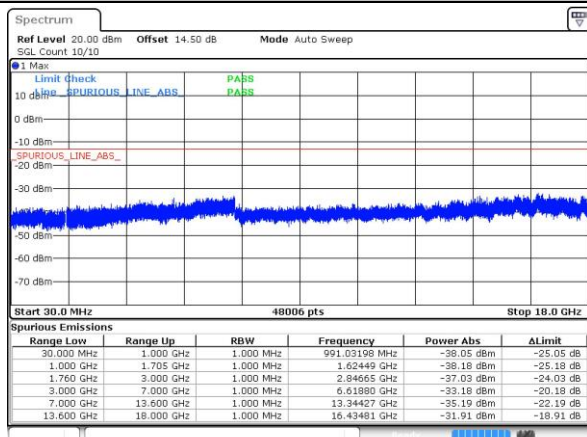
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



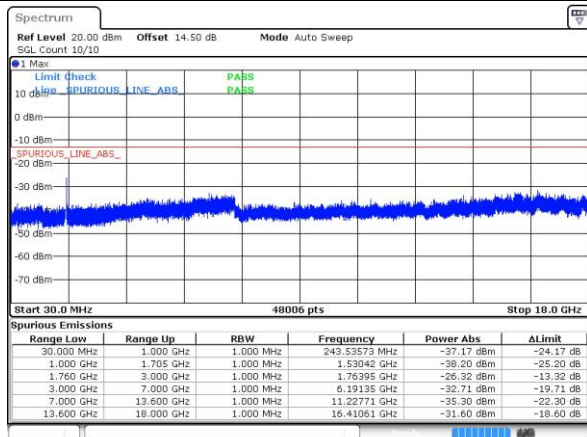
Date: 7 JUL 2020 17:51:34

Middle Channel



Date: 7 JUL 2020 17:52:07

Highest Channel



Date: 7 JUL 2020 17:52:54

**Frequency Stability**

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0081	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0099	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0053	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0047	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0043	



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	0.0048	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0052	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0043	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage = 7.74V. ; Battery End Point (BEP) = 7.2V. ; Maximum Voltage =8.9 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

Radiated Spurious Emission

Top antenna:

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	1648.4	-51.58	-13	-38.58	-63.40	-54.81	3.98	9.36	H
	2472.6	-50.70	-13	-37.70	-66.53	-54.25	4.85	10.55	H
	3296.8	-63.50	-13	-50.50	-81.80	-68.43	5.50	12.58	H
	1648.4	-51.31	-13	-38.31	-62.76	-54.54	3.98	9.36	V
	2472.6	-57.67	-13	-44.67	-73.43	-61.22	4.85	10.55	V
	3296.8	-63.26	-13	-50.26	-81.63	-68.19	5.50	12.58	V
Middle	1672.8	-51.70	-13	-38.70	-63.31	-54.95	4.00	9.40	H
	2509.2	-52.86	-13	-39.86	-68.64	-56.43	4.88	10.60	H
	3345.6	-63.74	-13	-50.74	-81.95	-68.67	5.52	12.60	H
	1672.8	-49.89	-13	-36.89	-61.29	-53.14	4.00	9.40	V
	2509.2	-61.12	-13	-48.12	-76.75	-64.69	4.88	10.60	V
	3345.6	-63.44	-13	-50.44	-81.65	-68.37	5.52	12.60	V
Highest	1697.6	-50.56	-13	-37.56	-62.32	-53.73	4.10	9.42	H
	2546.4	-42.01	-13	-29.01	-57.74	-45.59	4.90	10.63	H
	3395.2	-64.11	-13	-51.11	-81.90	-69.03	5.55	12.62	H
	1697.6	-49.46	-13	-36.46	-61.02	-52.63	4.10	9.42	V
	2546.4	-49.97	-13	-36.97	-65.60	-53.55	4.90	10.63	V
	3395.2	-64.09	-13	-51.09	-81.91	-69.01	5.55	12.62	V

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



GSM850 (EDGE 1 Tx slots)									
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	1648.4	-67.15	-13	-54.15	-78.97	-70.38	3.98	9.36	H
	2472.6	-64.45	-13	-51.45	-80.28	-68.00	4.85	10.55	H
	3296.8	-62.99	-13	-49.99	-81.29	-67.92	5.50	12.58	H
	1648.4	-67.48	-13	-54.48	-78.93	-70.71	3.98	9.36	V
	2472.6	-64.37	-13	-51.37	-80.13	-67.92	4.85	10.55	V
	3296.8	-62.99	-13	-49.99	-81.36	-67.92	5.50	12.58	V
Middle	1672.8	-66.53	-13	-53.53	-78.14	-69.78	4.00	9.40	H
	2509.2	-64.20	-13	-51.20	-79.98	-67.77	4.88	10.60	H
	3345.6	-63.33	-13	-50.33	-81.54	-68.26	5.52	12.60	H
	1672.8	-67.82	-13	-54.82	-79.22	-71.07	4.00	9.40	V
	2509.2	-64.47	-13	-51.47	-80.10	-68.04	4.88	10.60	V
	3345.6	-63.42	-13	-50.42	-81.63	-68.35	5.52	12.60	V
Highest	1697.6	-50.46	-13	-37.46	-62.22	-53.63	4.10	9.42	H
	2546.4	-41.36	-13	-28.36	-57.09	-44.94	4.90	10.63	H
	3395.2	-63.90	-13	-50.90	-81.69	-68.82	5.55	12.62	H
	1697.6	-49.45	-13	-36.45	-61.01	-52.62	4.10	9.42	V
	2546.4	-49.82	-13	-36.82	-65.45	-53.40	4.90	10.63	V
	3395.2	-64.27	-13	-51.27	-82.09	-69.19	5.55	12.62	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	1652.8	-67.08	-13	-54.08	-78.94	-70.31	3.98	9.36	H
	2479.2	-64.17	-13	-51.17	-80.00	-67.72	4.85	10.55	H
	3305.6	-63.30	-13	-50.30	-81.56	-68.23	5.50	12.58	H
	1652.8	-67.57	-13	-54.57	-79.06	-70.80	3.98	9.36	V
	2479.2	-64.20	-13	-51.20	-79.96	-67.75	4.85	10.55	V
	3305.6	-62.92	-13	-49.92	-81.23	-67.85	5.50	12.58	V
Middle	1672.8	-67.27	-13	-54.27	-78.88	-70.52	4.00	9.40	H
	2509.2	-64.41	-13	-51.41	-80.19	-67.98	4.88	10.60	H
	3345.6	-63.51	-13	-50.51	-81.72	-68.44	5.52	12.60	H
	1672.8	-67.78	-13	-54.78	-79.18	-71.03	4.00	9.40	V
	2509.2	-64.54	-13	-51.54	-80.17	-68.11	4.88	10.60	V
	3345.6	-63.14	-13	-50.14	-81.35	-68.07	5.52	12.60	V
Highest	1693.2	-67.22	-13	-54.22	-78.98	-70.39	4.10	9.42	H
	2539.8	-64.48	-13	-51.48	-80.19	-68.06	4.90	10.63	H
	3386.4	-63.97	-13	-50.97	-81.90	-68.89	5.55	12.62	H
	1693.2	-67.48	-13	-54.48	-79.04	-70.65	4.10	9.42	V
	2539.8	-64.70	-13	-51.70	-80.31	-68.28	4.90	10.63	V
	3386.4	-63.32	-13	-50.32	-81.28	-68.24	5.55	12.62	V

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



CDMA BC0(1xRTT)									
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	1649.4	-66.74	-13	-53.74	-78.56	-69.97	3.98	9.36	H
	2474.1	-64.30	-13	-51.30	-80.13	-67.85	4.85	10.55	H
	3298.8	-63.10	-13	-50.10	-81.40	-68.03	5.50	12.58	H
	1649.4	-67.43	-13	-54.43	-78.88	-70.66	3.98	9.36	V
	2474.1	-64.37	-13	-51.37	-80.13	-67.92	4.85	10.55	V
	3298.8	-63.04	-13	-50.04	-81.41	-67.97	5.50	12.58	V
Middle	1673.04	-67.16	-13	-54.16	-78.77	-70.41	4.00	9.40	H
	2509.56	-64.11	-13	-51.11	-79.89	-67.68	4.88	10.60	H
	3346.08	-63.32	-13	-50.32	-81.53	-68.25	5.52	12.60	H
	1673.04	-67.48	-13	-54.48	-78.88	-70.73	4.00	9.40	V
	2509.56	-64.47	-13	-51.47	-80.10	-68.04	4.88	10.60	V
	3346.08	-63.30	-13	-50.30	-81.51	-68.23	5.52	12.60	V
Highest	1696.62	-67.10	-13	-54.10	-78.86	-70.27	4.10	9.42	H
	2544.93	-64.51	-13	-51.51	-80.24	-68.09	4.90	10.63	H
	3393.24	-63.90	-13	-50.90	-81.69	-68.82	5.55	12.62	H
	1696.62	-66.98	-13	-53.98	-78.54	-70.15	4.10	9.42	V
	2544.93	-64.65	-13	-51.65	-80.28	-68.23	4.90	10.63	V
	3393.24	-63.45	-13	-50.45	-81.27	-68.37	5.55	12.62	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	3700.4	-61.36	-13	-48.36	-81.32	-68.12	5.82	12.58	H
	5550.6	-58.71	-13	-45.71	-83.40	-64.43	7.28	13.00	H
	7400.8	-54.51	-13	-41.51	-83.79	-57.67	8.32	11.48	H
	3700.4	-61.25	-13	-48.25	-81.24	-68.01	5.82	12.58	V
	5550.6	-58.60	-13	-45.60	-83.49	-64.32	7.28	13.00	V
	7400.8	-54.67	-13	-41.67	-83.63	-57.83	8.32	11.48	V
Middle	3760	-61.45	-13	-48.45	-81.55	-68.20	5.85	12.60	H
	5640	-59.02	-13	-46.02	-83.43	-64.82	7.30	13.10	H
	7520	-54.77	-13	-41.77	-83.46	-57.92	8.35	11.50	H
	3760	-60.94	-13	-47.94	-81.08	-67.69	5.85	12.60	V
	5640	-58.21	-13	-45.21	-83.02	-64.01	7.30	13.10	V
	7520	-54.93	-13	-41.93	-83.43	-58.08	8.35	11.50	V
Highest	3819.6	-61.33	-13	-48.33	-81.65	-68.07	5.88	12.62	H
	5729.4	-59.16	-13	-46.16	-83.88	-64.97	7.32	13.13	H
	7639.2	-55.16	-13	-42.16	-83.66	-58.32	8.38	11.54	H
	3819.6	-60.98	-13	-47.98	-81.36	-67.72	5.88	12.62	V
	5729.4	-58.60	-13	-45.60	-83.65	-64.41	7.32	13.13	V
	7639.2	-55.23	-13	-42.23	-83.58	-58.39	8.38	11.54	V

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



GSM1900 (EDGE 1 Tx slots)									
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	3700.4	-61.30	-13	-48.30	-81.26	-68.06	5.82	12.58	H
	5550.6	-58.89	-13	-45.89	-83.58	-64.61	7.28	13.00	H
	7400.8	-54.35	-13	-41.35	-83.63	-57.51	8.32	11.48	H
	3700.4	-61.34	-13	-48.34	-81.33	-68.10	5.82	12.58	V
	5550.6	-58.78	-13	-45.78	-83.67	-64.50	7.28	13.00	V
	7400.8	-54.73	-13	-41.73	-83.69	-57.89	8.32	11.48	V
Middle	3760	-61.65	-13	-48.65	-81.75	-68.40	5.85	12.60	H
	5640	-59.07	-13	-46.07	-83.48	-64.87	7.30	13.10	H
	7520	-54.71	-13	-41.71	-83.40	-57.86	8.35	11.50	H
	3760	-61.58	-13	-48.58	-81.72	-68.33	5.85	12.60	V
	5640	-58.72	-13	-45.72	-83.53	-64.52	7.30	13.10	V
	7520	-55.13	-13	-42.13	-83.63	-58.28	8.35	11.50	V
Highest	3819.6	-61.35	-13	-48.35	-81.67	-68.09	5.88	12.62	H
	5729.4	-59.16	-13	-46.16	-83.88	-64.97	7.32	13.13	H
	7639.2	-55.00	-13	-42.00	-83.50	-58.16	8.38	11.54	H
	3819.6	-61.23	-13	-48.23	-81.61	-67.97	5.88	12.62	V
	5729.4	-58.69	-13	-45.69	-83.74	-64.50	7.32	13.13	V
	7639.2	-55.14	-13	-42.14	-83.49	-58.30	8.38	11.54	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	-61.47	-13	-48.47	-81.43	-68.23	5.82	12.58	H
	5557.2	-58.96	-13	-45.96	-83.64	-64.68	7.28	13.00	H
	7409.6	-54.38	-13	-41.38	-83.66	-57.54	8.32	11.48	H
	3704.8	-61.61	-13	-48.61	-81.6	-68.37	5.82	12.58	V
	5557.2	-58.64	-13	-45.64	-83.52	-64.36	7.28	13.00	V
	7409.6	-54.39	-13	-41.39	-83.35	-57.55	8.32	11.48	V
Middle	3760	-61.53	-13	-48.53	-81.63	-68.28	5.85	12.60	H
	5640	-59.07	-13	-46.07	-83.48	-64.87	7.30	13.10	H
	7520	-55.00	-13	-42.00	-83.69	-58.15	8.35	11.50	H
	3760	-61.34	-13	-48.34	-81.48	-68.09	5.85	12.60	V
	5640	-58.89	-13	-45.89	-83.7	-64.69	7.30	13.10	V
	7520	-55.24	-13	-42.24	-83.74	-58.39	8.35	11.50	V
Highest	3815.2	-61.33	-13	-48.33	-81.63	-68.07	5.88	12.62	H
	5722.8	-58.98	-13	-45.98	-83.70	-64.79	7.32	13.13	H
	7630.4	-55.13	-13	-42.13	-83.62	-58.29	8.38	11.54	H
	3815.2	-61.22	-13	-48.22	-81.58	-67.96	5.88	12.62	V
	5722.8	-58.71	-13	-45.71	-83.76	-64.52	7.32	13.13	V
	7630.4	-55.26	-13	-42.26	-83.61	-58.42	8.38	11.54	V

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



CDMA BC1(1xRTT)									
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	3702.5	-61.01	-13	-48.01	-80.97	-67.77	5.82	12.58	H
	5553.75	-58.81	-13	-45.81	-83.49	-64.53	7.28	13.00	H
	7405	-54.26	-13	-41.26	-83.54	-57.42	8.32	11.48	H
	3702.5	-61.59	-13	-48.59	-81.58	-68.35	5.82	12.58	V
	5553.75	-58.94	-13	-45.94	-83.82	-64.66	7.28	13.00	V
	7405	-54.53	-13	-41.53	-83.49	-57.69	8.32	11.48	V
Middle	3760	-61.61	-13	-48.61	-81.71	-68.36	5.85	12.60	H
	5640	-59.04	-13	-46.04	-83.45	-64.84	7.30	13.10	H
	7520	-54.88	-13	-41.88	-83.57	-58.03	8.35	11.50	H
	3760	-61.15	-13	-48.15	-81.29	-67.90	5.85	12.60	V
	5640	-58.64	-13	-45.64	-83.45	-64.44	7.30	13.10	V
	7520	-55.24	-13	-42.24	-83.74	-58.39	8.35	11.50	V
Highest	3817.5	-61.21	-13	-48.21	-81.51	-67.95	5.88	12.62	H
	5726.25	-58.95	-13	-45.95	-83.67	-64.76	7.32	13.13	H
	7635	-55.17	-13	-42.17	-83.66	-58.33	8.38	11.54	H
	3817.5	-61.26	-13	-48.26	-81.62	-68.00	5.88	12.62	V
	5726.25	-58.73	-13	-45.73	-83.78	-64.54	7.32	13.13	V
	7635	-55.20	-13	-42.20	-83.55	-58.36	8.38	11.54	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	3424.8	-63.49	-13	-50.49	-81.58	-70.37	5.60	12.48	H
	5137.2	-59.53	-13	-46.53	-83.42	-65.21	7.10	12.78	H
	6849.6	-56.40	-13	-43.40	-83.96	-59.79	8.38	11.77	H
	3424.8	-63.95	-13	-50.95	-82.08	-70.83	5.60	12.48	V
	5137.2	-59.32	-13	-46.32	-83.64	-65.00	7.10	12.78	V
	6849.6	-56.24	-13	-43.24	-84.03	-59.63	8.38	11.77	V
Middle	3465.2	-63.21	-13	-50.21	-81.62	-70.06	5.65	12.50	H
	5197.8	-59.28	-13	-46.28	-83.25	-64.95	7.13	12.80	H
	6930.4	-56.52	-13	-43.52	-84.43	-59.92	8.40	11.80	H
	3465.2	-63.00	-13	-50.00	-81.44	-69.85	5.65	12.50	V
	5197.8	-59.04	-13	-46.04	-83.46	-64.71	7.13	12.80	V
	6930.4	-55.88	-13	-42.88	-83.9	-59.28	8.40	11.80	V
Highest	3505.2	-63.23	-13	-50.23	-81.94	-70.07	5.68	12.52	H
	5257.8	-60.52	-13	-47.52	-83.96	-66.19	7.15	12.82	H
	7010.4	-56.13	-13	-43.13	-84.38	-59.56	8.42	11.85	H
	3505.2	-63.43	-13	-50.43	-82.17	-70.27	5.68	12.52	V
	5257.8	-60.59	-13	-47.59	-84.04	-66.26	7.15	12.82	V
	7010.4	-56.25	-13	-43.25	-84.6	-59.68	8.42	11.85	V

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



Bottom antenna:

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	1648.4	-65.91	-13	-52.91	-77.73	-69.14	3.98	9.36	H
	2472.6	-64.25	-13	-51.25	-80.08	-67.80	4.85	10.55	H
	3296.8	-63.52	-13	-50.52	-81.82	-68.45	5.50	12.58	H
	1648.4	-67.34	-13	-54.34	-78.79	-70.57	3.98	9.36	V
	2472.6	-64.73	-13	-51.73	-80.49	-68.28	4.85	10.55	V
	3296.8	-63.51	-13	-50.51	-81.88	-68.44	5.50	12.58	V
Middle	1672.8	-66.12	-13	-53.12	-77.73	-69.37	4.00	9.40	H
	2509.2	-64.29	-13	-51.29	-80.07	-67.86	4.88	10.60	H
	3345.6	-63.71	-13	-50.71	-81.92	-68.64	5.52	12.60	H
	1672.8	-67.59	-13	-54.59	-78.99	-70.84	4.00	9.40	V
	2509.2	-64.43	-13	-51.43	-80.06	-68.00	4.88	10.60	V
	3345.6	-63.40	-13	-50.40	-81.61	-68.33	5.52	12.60	V
Highest	1697.6	-65.44	-13	-52.44	-77.20	-68.61	4.10	9.42	H
	2546.4	-64.31	-13	-51.31	-80.04	-67.89	4.90	10.63	H
	3395.2	-63.52	-13	-50.52	-81.31	-68.44	5.55	12.62	H
	1697.6	-67.35	-13	-54.35	-78.91	-70.52	4.10	9.42	V
	2546.4	-64.62	-13	-51.62	-80.25	-68.20	4.90	10.63	V
	3395.2	-63.88	-13	-50.88	-81.70	-68.80	5.55	12.62	V

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



GSM850 (EDGE 1 Tx slots)									
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	1648.4	-66.83	-13	-53.83	-78.65	-70.06	3.98	9.36	H
	2472.6	-64.61	-13	-51.61	-80.44	-68.16	4.85	10.55	H
	3296.8	-63.43	-13	-50.43	-81.73	-68.36	5.50	12.58	H
	1648.4	-67.62	-13	-54.62	-79.07	-70.85	3.98	9.36	V
	2472.6	-64.79	-13	-51.79	-80.55	-68.34	4.85	10.55	V
	3296.8	-63.50	-13	-50.50	-81.87	-68.43	5.50	12.58	V
Middle	1672.8	-66.35	-13	-53.35	-77.96	-69.60	4.00	9.40	H
	2509.2	-64.81	-13	-51.81	-80.59	-68.38	4.88	10.60	H
	3345.6	-63.64	-13	-50.64	-81.85	-68.57	5.52	12.60	H
	1672.8	-67.61	-13	-54.61	-79.01	-70.86	4.00	9.40	V
	2509.2	-64.59	-13	-51.59	-80.22	-68.16	4.88	10.60	V
	3345.6	-63.40	-13	-50.40	-81.61	-68.33	5.52	12.60	V
Highest	1697.6	-66.22	-13	-53.22	-77.98	-69.39	4.10	9.42	H
	2546.4	-64.75	-13	-51.75	-80.48	-68.33	4.90	10.63	H
	3395.2	-64.19	-13	-51.19	-81.98	-69.11	5.55	12.62	H
	1697.6	-67.53	-13	-54.53	-79.09	-70.70	4.10	9.42	V
	2546.4	-64.82	-13	-51.82	-80.45	-68.40	4.90	10.63	V
	3395.2	-63.98	-13	-50.98	-81.80	-68.90	5.55	12.62	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	1652.8	-65.95	-13	-52.95	-77.81	-69.18	3.98	9.36	H
	2479.2	-63.56	-13	-50.56	-79.39	-67.11	4.85	10.55	H
	3305.6	-62.91	-13	-49.91	-81.17	-67.84	5.50	12.58	H
	1652.8	-66.62	-13	-53.62	-78.11	-69.85	3.98	9.36	V
	2479.2	-63.63	-13	-50.63	-79.39	-67.18	4.85	10.55	V
	3305.6	-62.82	-13	-49.82	-81.13	-67.75	5.50	12.58	V
Middle	1672.8	-66.15	-13	-53.15	-77.76	-69.40	4.00	9.40	H
	2509.2	-63.66	-13	-50.66	-79.44	-67.23	4.88	10.60	H
	3345.6	-63.07	-13	-50.07	-81.28	-68.00	5.52	12.60	H
	1672.8	-66.59	-13	-53.59	-77.99	-69.84	4.00	9.40	V
	2509.2	-63.81	-13	-50.81	-79.44	-67.38	4.88	10.60	V
	3345.6	-62.64	-13	-49.64	-80.85	-67.57	5.52	12.60	V
Highest	1693.2	-66.23	-13	-53.23	-77.99	-69.40	4.10	9.42	H
	2539.8	-63.71	-13	-50.71	-79.42	-67.29	4.90	10.63	H
	3386.4	-63.30	-13	-50.30	-81.23	-68.22	5.55	12.62	H
	1693.2	-66.74	-13	-53.74	-78.30	-69.91	4.10	9.42	V
	2539.8	-64.06	-13	-51.06	-79.67	-67.64	4.90	10.63	V
	3386.4	-63.46	-13	-50.46	-81.42	-68.38	5.55	12.62	V

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



CDMA BC0(1xRTT)									
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	1649.4	-67.40	-13	-54.40	-79.22	-70.63	3.98	9.36	H
	2474.1	-64.27	-13	-51.27	-80.10	-67.82	4.85	10.55	H
	3298.8	-63.30	-13	-50.30	-81.60	-68.23	5.50	12.58	H
	1649.4	-67.84	-13	-54.84	-79.29	-71.07	3.98	9.36	V
	2474.1	-64.61	-13	-51.61	-80.37	-68.16	4.85	10.55	V
	3298.8	-63.07	-13	-50.07	-81.44	-68.00	5.50	12.58	V
Middle	1649.4	-67.03	-13	-54.03	-78.85	-70.28	4.00	9.40	H
	2474.1	-64.19	-13	-51.19	-80.02	-67.76	4.88	10.60	H
	3298.8	-63.48	-13	-50.48	-81.78	-68.41	5.52	12.60	H
	1649.4	-67.48	-13	-54.48	-78.93	-70.73	4.00	9.40	V
	2474.1	-64.81	-13	-51.81	-80.57	-68.38	4.88	10.60	V
	3298.8	-63.08	-13	-50.08	-81.45	-68.01	5.52	12.60	V
Highest	1696.62	-66.72	-13	-53.72	-78.48	-69.89	4.10	9.42	H
	2544.93	-64.64	-13	-51.64	-80.37	-68.22	4.90	10.63	H
	3393.24	-63.69	-13	-50.69	-81.48	-68.61	5.55	12.62	H
	1696.62	-67.54	-13	-54.54	-79.10	-70.71	4.10	9.42	V
	2544.93	-64.86	-13	-51.86	-80.49	-68.44	4.90	10.63	V
	3393.24	-63.94	-13	-50.94	-81.76	-68.86	5.55	12.62	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	3700.4	-61.70	-13	-48.70	-81.66	-68.46	5.82	12.58	H
	5550.6	-58.87	-13	-45.87	-83.56	-64.59	7.28	13.00	H
	7400.8	-54.18	-13	-41.18	-83.46	-57.34	8.32	11.48	H
	3700.4	-61.52	-13	-48.52	-81.51	-68.28	5.82	12.58	V
	5550.6	-58.61	-13	-45.61	-83.5	-64.33	7.28	13.00	V
	7400.8	-54.51	-13	-41.51	-83.47	-57.67	8.32	11.48	V
Middle	3760	-61.05	-13	-48.05	-81.15	-67.80	5.85	12.60	H
	5640	-58.58	-13	-45.58	-82.99	-64.38	7.30	13.10	H
	7520	-54.66	-13	-41.66	-83.35	-57.81	8.35	11.50	H
	3760	-61.61	-13	-48.61	-81.75	-68.36	5.85	12.60	V
	5640	-58.35	-13	-45.35	-83.16	-64.15	7.30	13.10	V
	7520	-55.26	-13	-42.26	-83.76	-58.41	8.35	11.50	V
Highest	3819.6	-61.50	-13	-48.50	-81.82	-68.24	5.88	12.62	H
	5729.4	-58.96	-13	-45.96	-83.68	-64.77	7.32	13.13	H
	7639.2	-54.80	-13	-41.80	-83.30	-57.96	8.38	11.54	H
	3819.6	-61.26	-13	-48.26	-81.64	-68.00	5.88	12.62	V
	5729.4	-58.90	-13	-45.90	-83.95	-64.71	7.32	13.13	V
	7639.2	-55.21	-13	-42.21	-83.56	-58.37	8.38	11.54	V

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



GSM1900 (EDGE 1 Tx slots)									
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	3700.4	-61.34	-13	-48.34	-81.30	-68.10	5.82	12.58	H
	5550.6	-59.07	-13	-46.07	-83.76	-64.79	7.28	13.00	H
	7400.8	-54.48	-13	-41.48	-83.76	-57.64	8.32	11.48	H
	3700.4	-61.51	-13	-48.51	-81.5	-68.27	5.82	12.58	V
	5550.6	-58.68	-13	-45.68	-83.57	-64.40	7.28	13.00	V
	7400.8	-54.64	-13	-41.64	-83.6	-57.80	8.32	11.48	V
Middle	3760	-61.61	-13	-48.61	-81.71	-68.36	5.85	12.60	H
	5640	-58.97	-13	-45.97	-83.38	-64.77	7.30	13.10	H
	7520	-54.67	-13	-41.67	-83.36	-57.82	8.35	11.50	H
	3760	-61.32	-13	-48.32	-81.46	-68.07	5.85	12.60	V
	5640	-58.61	-13	-45.61	-83.42	-64.41	7.30	13.10	V
	7520	-55.14	-13	-42.14	-83.64	-58.29	8.35	11.50	V
Highest	3819.6	-61.62	-13	-48.62	-81.94	-68.36	5.88	12.62	H
	5729.4	-59.09	-13	-46.09	-83.81	-64.90	7.32	13.13	H
	7639.2	-54.94	-13	-41.94	-83.44	-58.10	8.38	11.54	H
	3819.6	-61.34	-13	-48.34	-81.72	-68.08	5.88	12.62	V
	5729.4	-58.75	-13	-45.75	-83.8	-64.56	7.32	13.13	V
	7639.2	-54.95	-13	-41.95	-83.3	-58.11	8.38	11.54	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	-61.34	-13	-48.34	-81.30	-68.10	5.82	12.58	H
	5557.2	-59.02	-13	-46.02	-83.70	-64.74	7.28	13.00	H
	7409.6	-54.36	-13	-41.36	-83.64	-57.52	8.32	11.48	H
	3704.8	-61.48	-13	-48.48	-81.47	-68.24	5.82	12.58	V
	5557.2	-58.92	-13	-45.92	-83.8	-64.64	7.28	13.00	V
	7409.6	-54.91	-13	-41.91	-83.87	-58.07	8.32	11.48	V
Middle	3760	-61.79	-13	-48.79	-81.89	-68.54	5.85	12.60	H
	5640	-59.06	-13	-46.06	-83.47	-64.86	7.30	13.10	H
	7520	-54.83	-13	-41.83	-83.52	-57.98	8.35	11.50	H
	3760	-61.46	-13	-48.46	-81.6	-68.21	5.85	12.60	V
	5640	-58.46	-13	-45.46	-83.27	-64.26	7.30	13.10	V
	7520	-55.10	-13	-42.10	-83.6	-58.25	8.35	11.50	V
Highest	3815.2	-60.91	-13	-47.91	-81.21	-67.65	5.88	12.62	H
	5722.8	-59.29	-13	-46.29	-84.01	-65.10	7.32	13.13	H
	7630.4	-55.39	-13	-42.39	-83.88	-58.55	8.38	11.54	H
	3815.2	-61.60	-13	-48.60	-81.96	-68.34	5.88	12.62	V
	5722.8	-58.80	-13	-45.80	-83.85	-64.61	7.32	13.13	V
	7630.4	-55.41	-13	-42.41	-83.76	-58.57	8.38	11.54	V

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



CDMA BC1(1xRTT)									
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	3702.5	-61.67	-13	-48.67	-81.63	-68.43	5.82	12.58	H
	5553.75	-58.78	-13	-45.78	-83.46	-64.50	7.28	13.00	H
	7405	-54.55	-13	-41.55	-83.83	-57.71	8.32	11.48	H
	3702.5	-61.44	-13	-48.44	-81.43	-68.20	5.82	12.58	V
	5553.75	-58.56	-13	-45.56	-83.44	-64.28	7.28	13.00	V
	7405	-54.43	-13	-41.43	-83.39	-57.59	8.32	11.48	V
Middle	3760	-61.68	-13	-48.68	-81.78	-68.43	5.85	12.60	H
	5640	-59.40	-13	-46.40	-83.81	-65.20	7.30	13.10	H
	7520	-55.15	-13	-42.15	-83.84	-58.30	8.35	11.50	H
	3760	-61.59	-13	-48.59	-81.73	-68.34	5.85	12.60	V
	5640	-58.86	-13	-45.86	-83.67	-64.66	7.30	13.10	V
	7520	-55.35	-13	-42.35	-83.85	-58.50	8.35	11.50	V
Highest	3817.5	-61.79	-13	-48.79	-82.09	-68.53	5.88	12.62	H
	5726.25	-59.26	-13	-46.26	-83.98	-65.07	7.32	13.13	H
	7635	-55.24	-13	-42.24	-83.73	-58.40	8.38	11.54	H
	3817.5	-61.23	-13	-48.23	-81.59	-67.97	5.88	12.62	V
	5726.25	-58.94	-13	-45.94	-83.99	-64.75	7.32	13.13	V
	7635	-55.21	-13	-42.21	-83.56	-58.37	8.38	11.54	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	3424.8	-63.84	-13	-50.84	-81.93	-70.72	5.60	12.48	H
	5137.2	-59.58	-13	-46.58	-83.47	-65.26	7.10	12.78	H
	6849.6	-56.55	-13	-43.55	-84.11	-59.94	8.38	11.77	H
	3424.8	-63.84	-13	-50.84	-81.97	-70.72	5.60	12.48	V
	5137.2	-59.21	-13	-46.21	-83.53	-64.89	7.10	12.78	V
	6849.6	-56.20	-13	-43.20	-83.99	-59.59	8.38	11.77	V
Middle	3465.2	-63.34	-13	-50.34	-81.75	-70.19	5.65	12.50	H
	5197.8	-59.27	-13	-46.27	-83.24	-64.94	7.13	12.80	H
	6930.4	-56.53	-13	-43.53	-84.44	-59.93	8.40	11.80	H
	3465.2	-63.05	-13	-50.05	-81.49	-69.90	5.65	12.50	V
	5197.8	-59.13	-13	-46.13	-83.55	-64.80	7.13	12.80	V
	6930.4	-55.97	-13	-42.97	-83.99	-59.37	8.40	11.80	V
Highest	3505.2	-62.76	-13	-49.76	-81.47	-69.60	5.68	12.52	H
	5257.8	-60.68	-13	-47.68	-84.12	-66.35	7.15	12.82	H
	7010.4	-56.19	-13	-43.19	-84.44	-59.62	8.42	11.85	H
	3505.2	-62.94	-13	-49.94	-81.68	-69.78	5.68	12.52	V
	5257.8	-60.61	-13	-47.61	-84.06	-66.28	7.15	12.82	V
	7010.4	-56.12	-13	-43.12	-84.47	-59.55	8.42	11.85	V

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