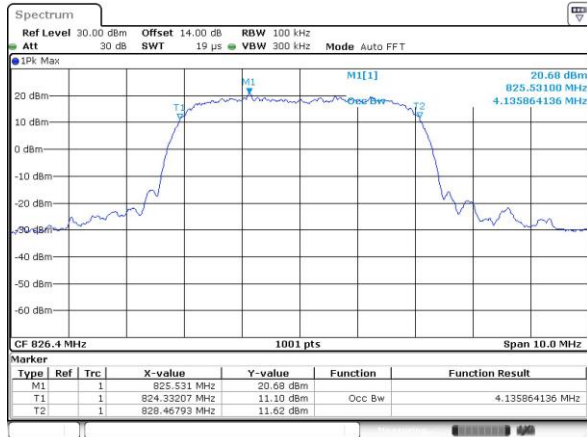




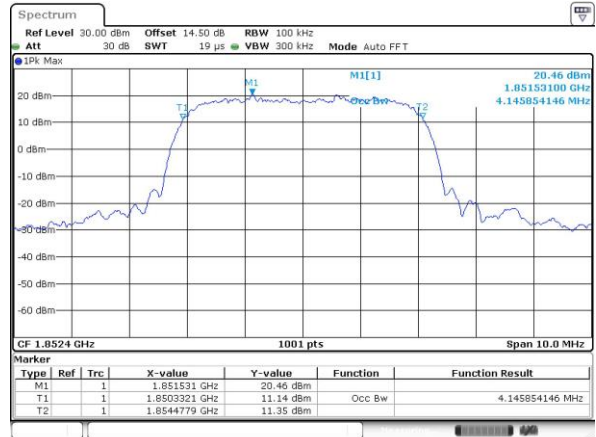
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

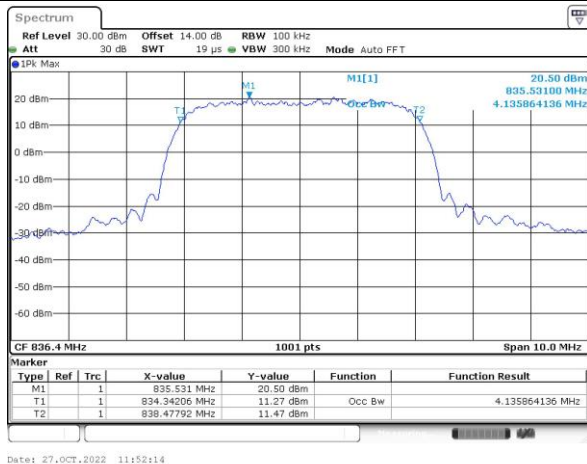


WCDMA Band II (RMC 12.2Kbps)

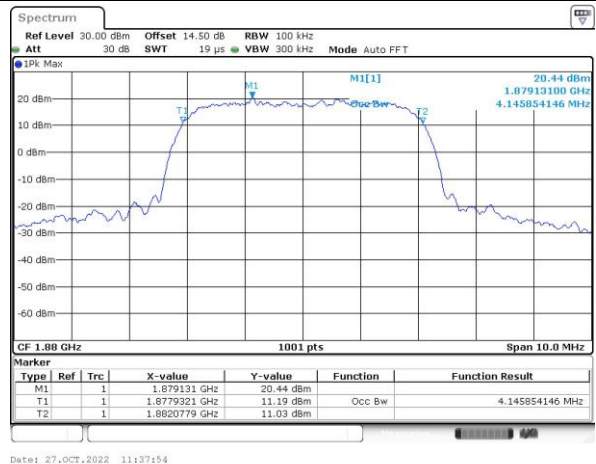
Lowest Channel



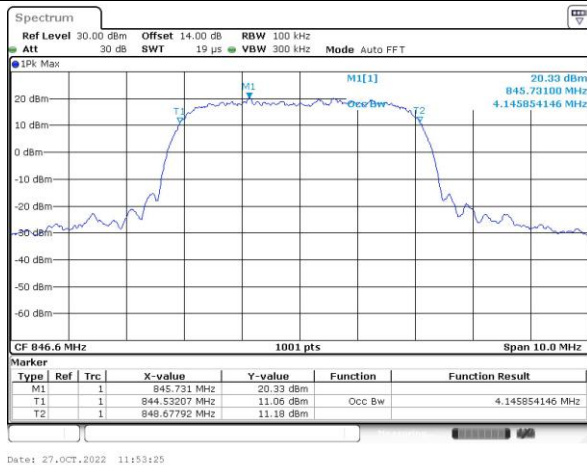
Middle Channel



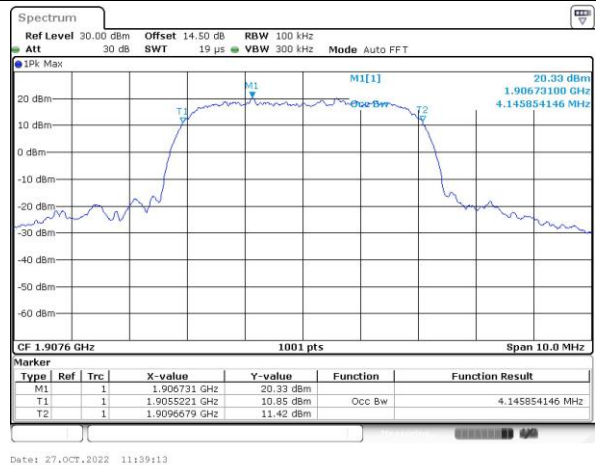
Middle Channel



Highest Channel



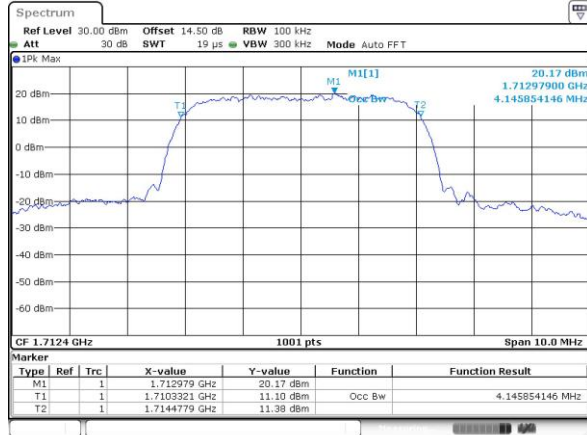
Highest Channel



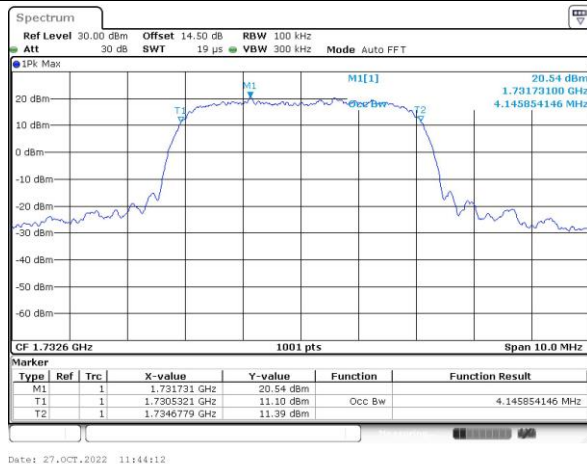


WCDMA Band IV (RMC 12.2Kbps)

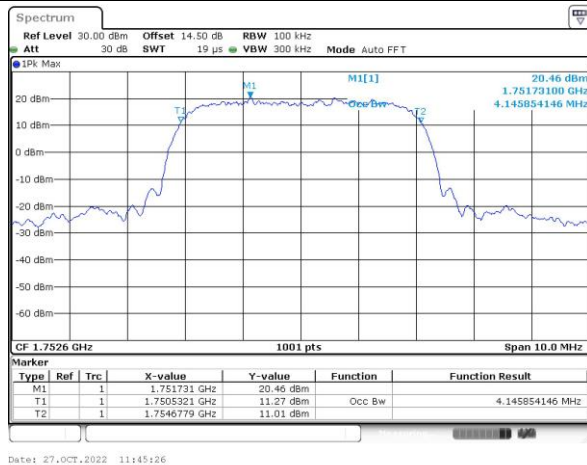
Lowest Channel



Middle Channel



Highest Channel

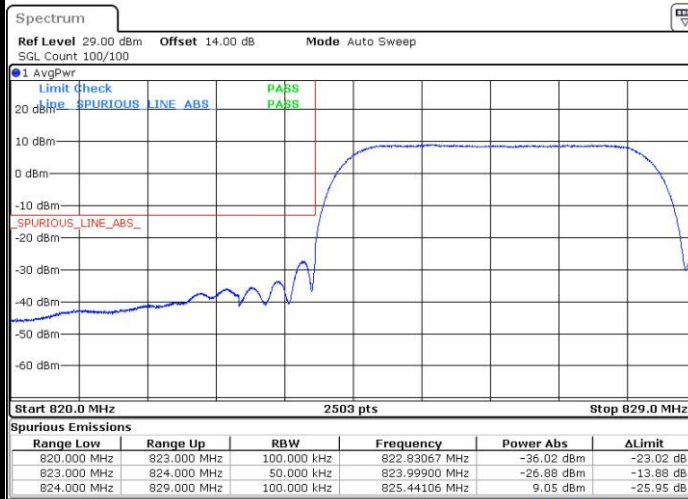




Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

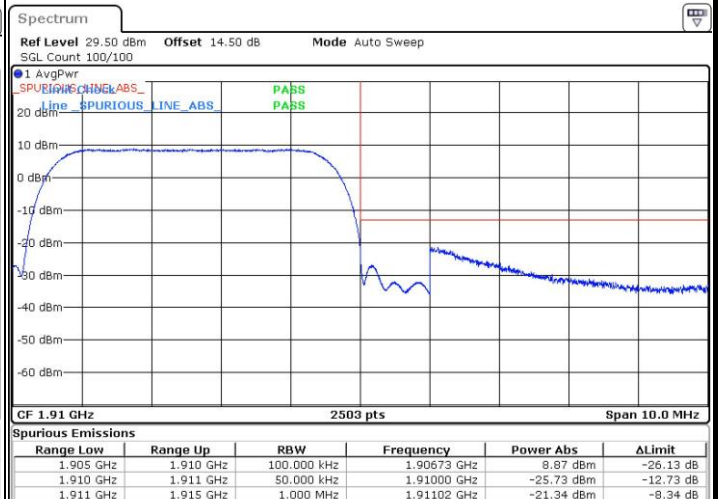


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge



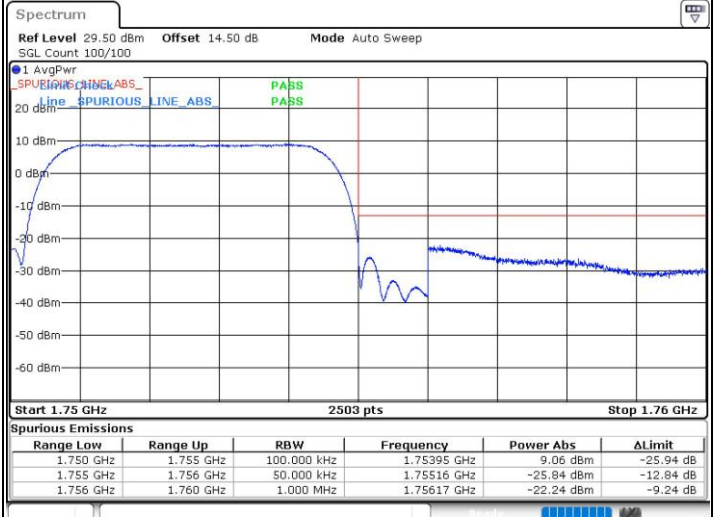


WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

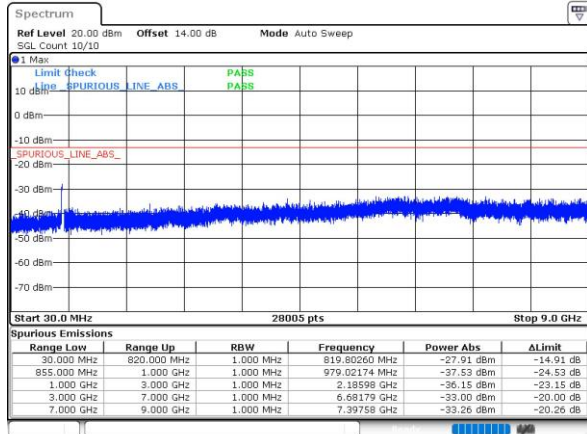




Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

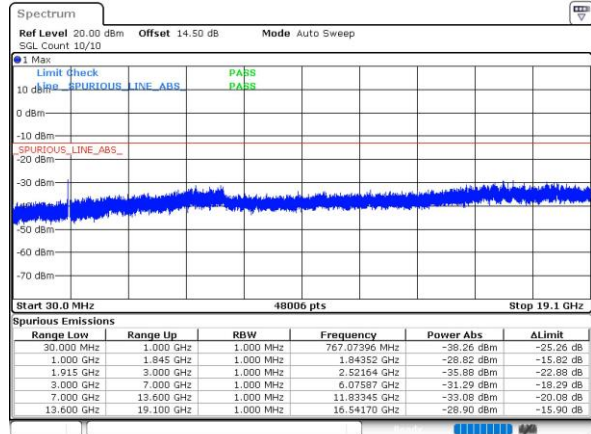
Lowest Channel



Date: 27.OCT.2022 11:51:17

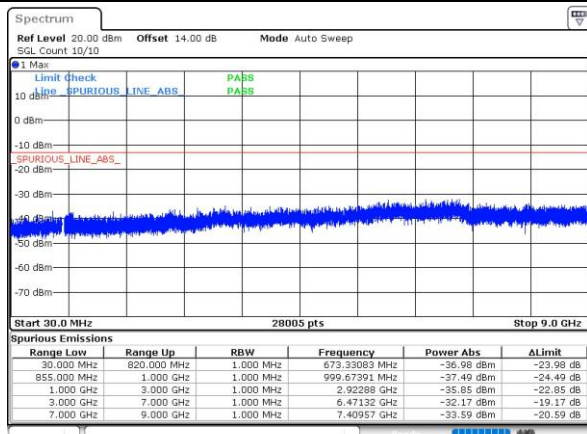
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



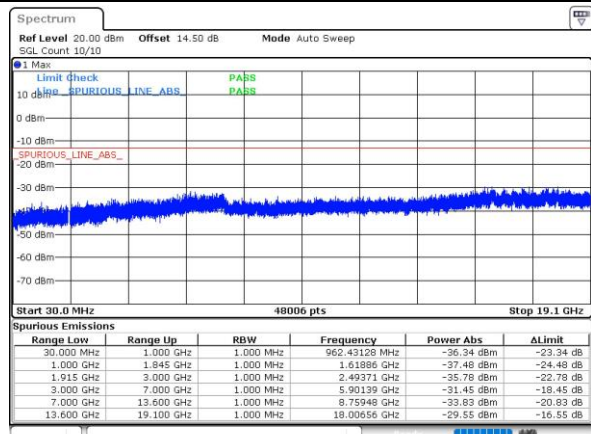
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Middle Channel



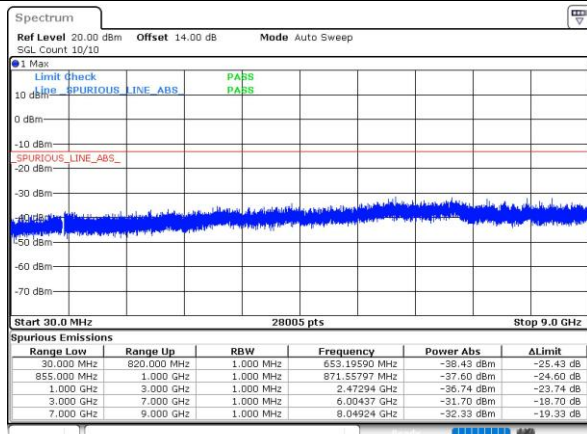
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Middle Channel



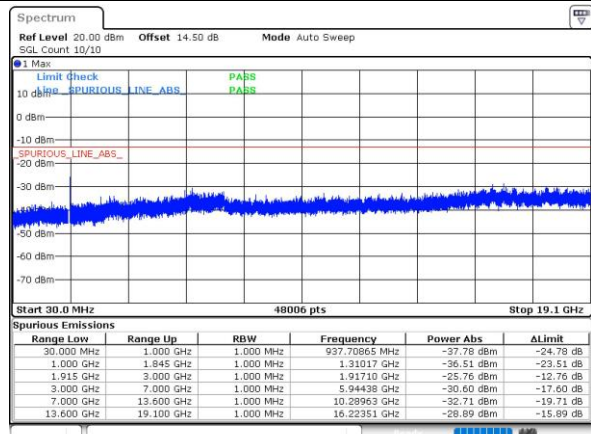
Date: 27.OCT.2022 11:58:09

Highest Channel



Date: 27.OCT.2022 11:53:37

Highest Channel

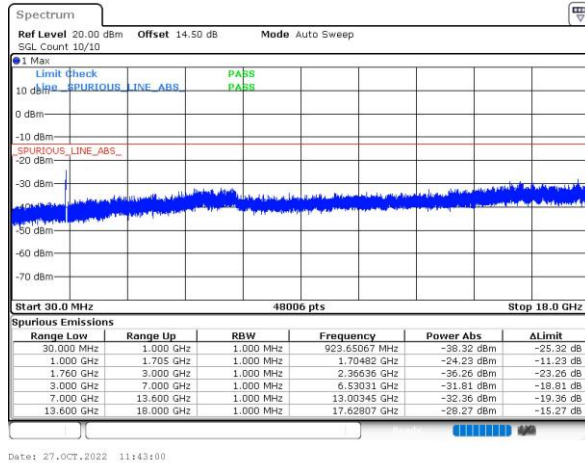


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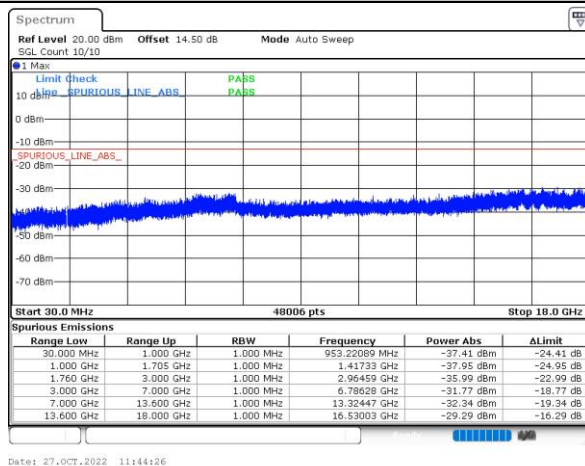


WCDMA Band IV (RMC 12.2Kbps)

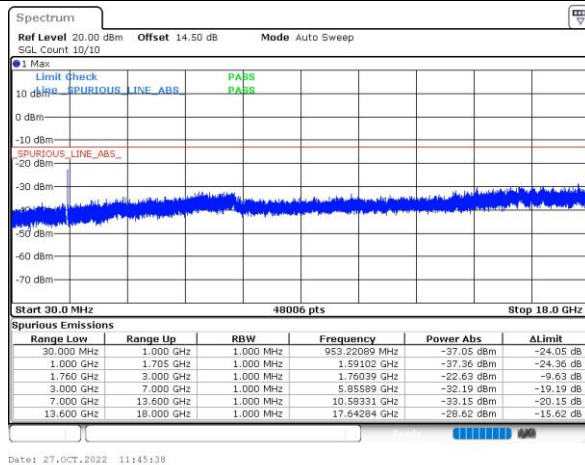
Lowest Channel



Middle Channel



Highest Channel



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	0.0018	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 7.78V. ; Battery End Point (BEP) = 6.6 V. ; Maximum Voltage =8.96 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

Test Engineer :	Tao Zhang	Temperature :	22~25°C
		Relative Humidity :	48~52%

Pre-scan Ant.0/1 for GSM850/ WCDMA Band V and Ant.4/5 for GSM1900/ WCDMA Band II/ Band IV, only the worst results are recorded in the report.

GSM850 (GSM)-Ant 0									
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	1648.4	-64.79	-13	-51.79	-76.35	-68.02	3.98	9.36	H
	2472.6	-59.81	-13	-46.81	-78.45	-63.36	4.85	10.55	H
	3296.8	-58.25	-13	-45.25	-79.03	-63.18	5.50	12.58	H
	1648.4	-63.53	-13	-50.53	-75.73	-66.76	3.98	9.36	V
	2472.6	-59.53	-13	-46.53	-78.49	-63.08	4.85	10.55	V
	3296.8	-57.33	-13	-44.33	-79.00	-62.26	5.50	12.58	V
Middle	1672.8	-64.30	-13	-51.30	-76.01	-67.55	4.00	9.40	H
	2509.2	-59.37	-13	-46.37	-78.27	-62.94	4.88	10.60	H
	3345.6	-58.54	-13	-45.54	-79.61	-63.47	5.52	12.60	H
	1672.8	-63.67	-13	-50.67	-76.09	-66.92	4.00	9.40	V
	2509.2	-59.05	-13	-46.05	-78.16	-62.62	4.88	10.60	V
	3345.6	-57.84	-13	-44.84	-79.21	-62.77	5.52	12.60	V
Highest	1697.6	-64.52	-13	-51.52	-76.52	-67.69	4.10	9.42	H
	2546.4	-58.92	-13	-45.92	-77.98	-62.50	4.90	10.63	H
	3395.2	-58.76	-13	-45.76	-78.55	-63.68	5.55	12.62	H
	1697.6	-63.85	-13	-50.85	-76.52	-67.02	4.10	9.42	V
	2546.4	-59.33	-13	-46.33	-78.61	-62.91	4.90	10.63	V
	3395.2	-57.62	-13	-44.62	-78.74	-62.54	5.55	12.62	V

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



GSM850 (EDGE 1 Tx slots)-Ant 0									
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	1648.4	-65.15	-13	-52.15	-76.71	-68.38	3.98	9.36	H
	2472.6	-60.05	-13	-47.05	-78.69	-63.60	4.85	10.55	H
	3296.8	-58.79	-13	-45.79	-79.57	-63.72	5.50	12.58	H
	1648.4	-64.32	-13	-51.32	-76.52	-67.55	3.98	9.36	V
	2472.6	-59.53	-13	-46.53	-78.49	-63.08	4.85	10.55	V
	3296.8	-57.69	-13	-44.69	-79.36	-62.62	5.50	12.58	V
Middle	1672.8	-64.75	-13	-51.75	-76.46	-68.00	4.00	9.40	H
	2509.2	-59.24	-13	-46.24	-78.14	-62.81	4.88	10.60	H
	3345.6	-58.68	-13	-45.68	-79.75	-63.61	5.52	12.60	H
	1672.8	-63.49	-13	-50.49	-75.91	-66.74	4.00	9.40	V
	2509.2	-59.06	-13	-46.06	-78.17	-62.63	4.88	10.60	V
	3345.6	-58.23	-13	-45.23	-79.60	-63.16	5.52	12.60	V
Highest	1697.6	-65.13	-13	-52.13	-77.13	-68.30	4.10	9.42	H
	2546.4	-59.67	-13	-46.67	-78.73	-63.25	4.90	10.63	H
	3395.2	-58.95	-13	-45.95	-78.74	-63.87	5.55	12.62	H
	1697.6	-64.41	-13	-51.41	-77.08	-67.58	4.10	9.42	V
	2546.4	-59.03	-13	-46.03	-78.31	-62.61	4.90	10.63	V
	3395.2	-57.88	-13	-44.88	-79.00	-62.80	5.55	12.62	V

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



GSM1900 (GSM)-Ant 5									
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	-56.62	-13	-43.62	-79.62	-63.38	5.82	12.58	H
	5550.6	-56.83	-13	-43.83	-81.24	-62.55	7.28	13.00	H
	7400.8	-54.91	-13	-41.91	-81.67	-58.07	8.32	11.48	H
	3700.4	-54.89	-13	-41.89	-79.58	-61.65	5.82	12.58	V
	5550.6	-56.82	-13	-43.82	-81.66	-62.54	7.28	13.00	V
	7400.8	-54.80	-13	-41.80	-81.53	-57.96	8.32	11.48	V
Middle	3760	-57.71	-13	-44.71	-80.05	-64.46	5.85	12.60	H
	5640	-57.08	-13	-44.08	-81.20	-62.88	7.30	13.10	H
	7520	-55.53	-13	-42.53	-81.81	-58.68	8.35	11.50	H
	3760	-54.71	-13	-41.71	-80.21	-61.46	5.85	12.60	V
	5640	-56.83	-13	-43.83	-81.1	-62.63	7.30	13.10	V
	7520	-55.29	-13	-42.29	-81.55	-58.44	8.35	11.50	V
Highest	3819.6	-56.83	-13	-43.83	-79.61	-63.57	5.88	12.62	H
	5729.4	-56.87	-13	-43.87	-81.49	-62.68	7.32	13.13	H
	7639.2	-55.41	-13	-42.41	-81.28	-58.57	8.38	11.54	H
	3819.6	-55.93	-13	-42.93	-80.31	-62.67	5.88	12.62	V
	5729.4	-56.03	-13	-43.03	-81.13	-61.84	7.32	13.13	V
	7639.2	-54.33	-13	-41.33	-81.23	-57.49	8.38	11.54	V

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



GSM1900 (EDGE 1 Tx slots)-Ant 5									
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	-56.46	-13	-43.46	-79.46	-63.22	5.82	12.58	H
	5550.6	-56.71	-13	-43.71	-81.12	-62.43	7.28	13.00	H
	7400.8	-54.68	-13	-41.68	-81.44	-57.84	8.32	11.48	H
	3700.4	-54.94	-13	-41.94	-79.63	-61.70	5.82	12.58	V
	5550.6	-56.53	-13	-43.53	-81.37	-62.25	7.28	13.00	V
	7400.8	-54.44	-13	-41.44	-81.17	-57.60	8.32	11.48	V
Middle	3760	-57.21	-13	-44.21	-79.55	-63.96	5.85	12.60	H
	5640	-57.00	-13	-44.00	-81.12	-62.80	7.30	13.10	H
	7520	-55.45	-13	-42.45	-81.73	-58.60	8.35	11.50	H
	3760	-55.09	-13	-42.09	-80.59	-61.84	5.85	12.60	V
	5640	-56.91	-13	-43.91	-81.18	-62.71	7.30	13.10	V
	7520	-55.35	-13	-42.35	-81.61	-58.50	8.35	11.50	V
Highest	3819.6	-57.51	-13	-44.51	-80.29	-64.25	5.88	12.62	H
	5729.4	-56.54	-13	-43.54	-81.16	-62.35	7.32	13.13	H
	7639.2	-55.59	-13	-42.59	-81.46	-58.75	8.38	11.54	H
	3819.6	-55.49	-13	-42.49	-79.87	-62.23	5.88	12.62	V
	5729.4	-56.13	-13	-43.13	-81.23	-61.94	7.32	13.13	V
	7639.2	-54.19	-13	-41.19	-81.09	-57.35	8.38	11.54	V

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



WCDMA Band V(RMC 12.2Kbps)-Ant 0									
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	1652.8	-64.91	-13	-51.91	-76.47	-68.14	3.98	9.36	H
	2479.2	-59.76	-13	-46.76	-78.40	-63.31	4.85	10.55	H
	3305.6	-58.27	-13	-45.27	-79.15	-63.20	5.50	12.58	H
	1652.8	-64.35	-13	-51.35	-76.55	-67.58	3.98	9.36	V
	2479.2	-59.53	-13	-46.53	-78.49	-63.08	4.85	10.55	V
	3305.6	-57.40	-13	-44.40	-78.98	-62.33	5.50	12.58	V
Middle	1672.8	-64.69	-13	-51.69	-76.40	-67.94	4.00	9.40	H
	2509.2	-59.44	-13	-46.44	-78.34	-63.01	4.88	10.60	H
	3345.6	-58.54	-13	-45.54	-79.61	-63.47	5.52	12.60	H
	1672.8	-63.77	-13	-50.77	-76.19	-67.02	4.00	9.40	V
	2509.2	-59.35	-13	-46.35	-78.46	-62.92	4.88	10.60	V
	3345.6	-58.27	-13	-45.27	-79.64	-63.20	5.52	12.60	V
Highest	1693.2	-64.80	-13	-51.80	-76.80	-67.97	4.10	9.42	H
	2539.8	-59.54	-13	-46.54	-78.59	-63.12	4.90	10.63	H
	3386.4	-59.21	-13	-46.21	-79.42	-64.13	5.55	12.62	H
	1693.2	-63.98	-13	-50.98	-76.65	-67.15	4.10	9.42	V
	2539.8	-59.32	-13	-46.32	-78.59	-62.90	4.90	10.63	V
	3386.4	-58.27	-13	-45.27	-79.47	-63.19	5.55	12.62	V

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



WCDMA Band II(RMC 12.2Kbps)-Ant 5									
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	-56.99	-13	-43.99	-79.99	-63.75	5.82	12.58	H
	5557.2	-57.25	-13	-44.25	-81.66	-62.97	7.28	13.00	H
	7409.6	-54.38	-13	-41.38	-81.13	-57.54	8.32	11.48	H
	3704.8	-54.77	-13	-41.77	-79.46	-61.53	5.82	12.58	V
	5557.2	-56.68	-13	-43.68	-81.52	-62.40	7.28	13.00	V
	7409.6	-54.51	-13	-41.51	-81.23	-57.67	8.32	11.48	V
Middle	3760	-57.48	-13	-44.48	-79.82	-64.23	5.85	12.60	H
	5640	-56.79	-13	-43.79	-80.91	-62.59	7.30	13.10	H
	7520	-55.10	-13	-42.10	-81.38	-58.25	8.35	11.50	H
	3760	-54.93	-13	-41.93	-80.43	-61.68	5.85	12.60	V
	5640	-56.73	-13	-43.73	-81	-62.53	7.30	13.10	V
	7520	-55.33	-13	-42.33	-81.59	-58.48	8.35	11.50	V
Highest	3815.2	-57.31	-13	-44.31	-80.09	-64.05	5.88	12.62	H
	5722.8	-56.21	-13	-43.21	-80.83	-62.02	7.32	13.13	H
	7630.4	-55.79	-13	-42.79	-81.71	-58.95	8.38	11.54	H
	3815.2	-55.81	-13	-42.81	-80.19	-62.55	5.88	12.62	V
	5722.8	-56.28	-13	-43.28	-81.38	-62.09	7.32	13.13	V
	7630.4	-54.64	-13	-41.64	-81.24	-57.80	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)-Ant 4									
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	-60.07	-13	-47.07	-81.44	-66.95	5.60	12.48	H
	5137.2	-57.52	-13	-44.52	-81.21	-63.20	7.10	12.78	H
	6849.6	-55.98	-13	-42.98	-81.59	-59.37	8.38	11.77	H
	3424.8	-58.68	-13	-45.68	-81.12	-65.56	5.60	12.48	V
	5137.2	-57.05	-13	-44.05	-81.48	-62.73	7.10	12.78	V
	6849.6	-53.86	-13	-40.86	-81.3	-57.25	8.38	11.77	V
Middle	3465.2	-58.97	-13	-45.97	-80.92	-65.82	5.65	12.50	H
	5197.8	-56.62	-13	-43.62	-80.78	-62.29	7.13	12.80	H
	6930.4	-55.35	-13	-42.35	-81.05	-58.75	8.40	11.80	H
	3465.2	-58.58	-13	-45.58	-80.33	-65.43	5.65	12.50	V
	5197.8	-56.36	-13	-43.36	-80.79	-62.03	7.13	12.80	V
	6930.4	-54.73	-13	-41.73	-81.35	-58.13	8.40	11.80	V
Highest	3505.2	-58.40	-13	-45.40	-79.93	-65.24	5.68	12.52	H
	5257.8	-57.51	-13	-44.51	-81.84	-63.18	7.15	12.82	H
	7010.4	-55.72	-13	-42.72	-81.56	-59.15	8.42	11.85	H
	3505.2	-58.31	-13	-45.31	-81.38	-65.15	5.68	12.52	V
	5257.8	-57.39	-13	-44.39	-81.69	-63.06	7.15	12.82	V
	7010.4	-55.43	-13	-42.43	-81.62	-58.86	8.42	11.85	V

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