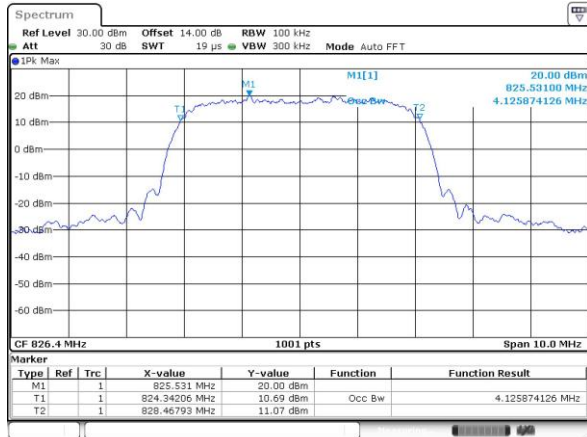




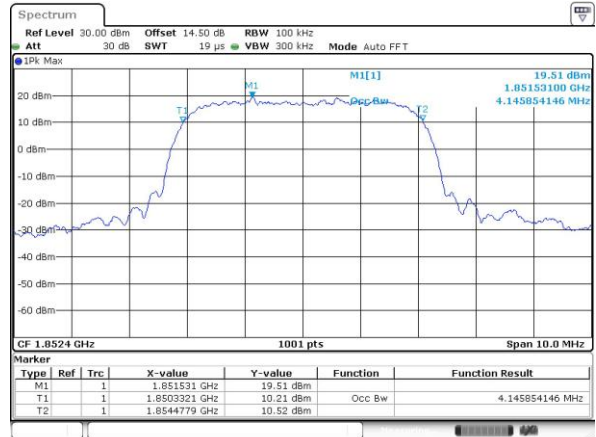
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

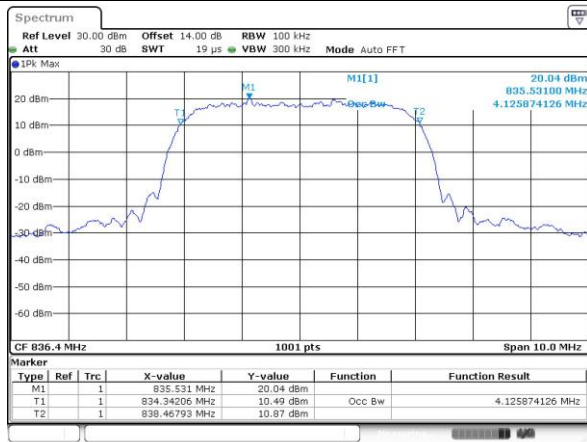


WCDMA Band II (RMC 12.2Kbps)

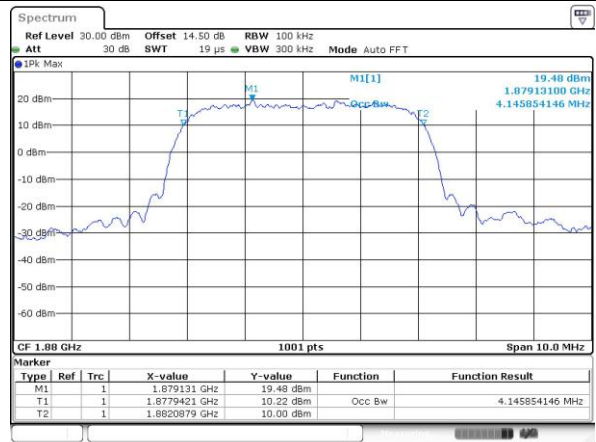
Lowest Channel



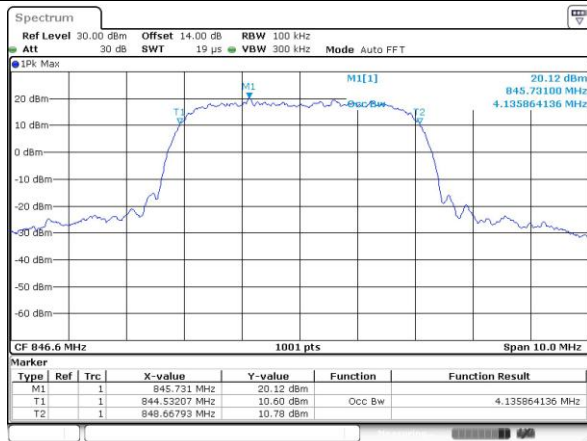
Middle Channel



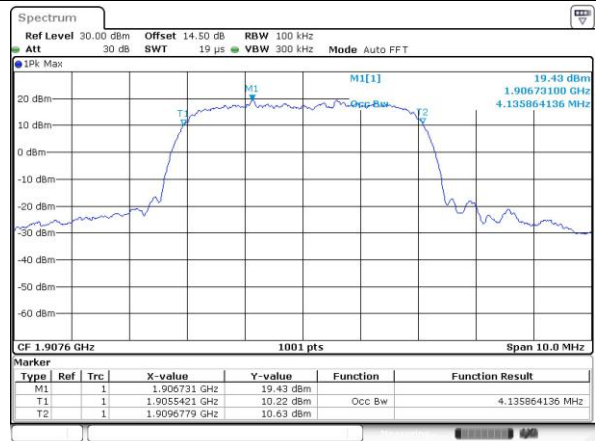
Middle Channel



Highest Channel



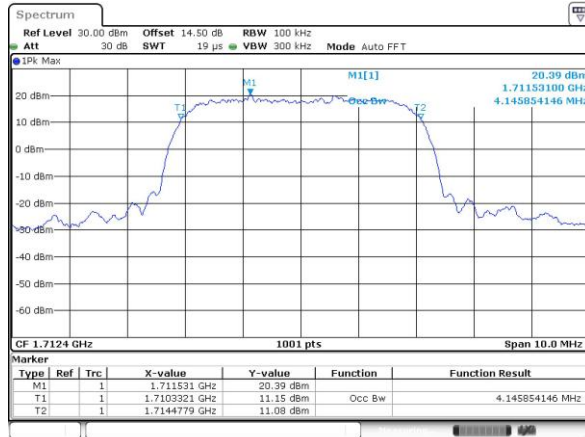
Highest Channel



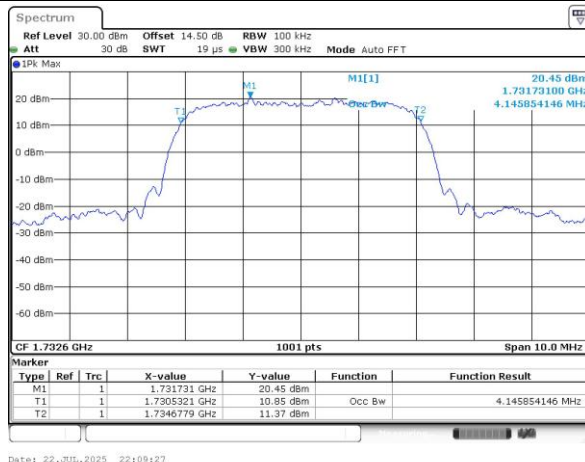


WCDMA Band IV (RMC 12.2Kbps)

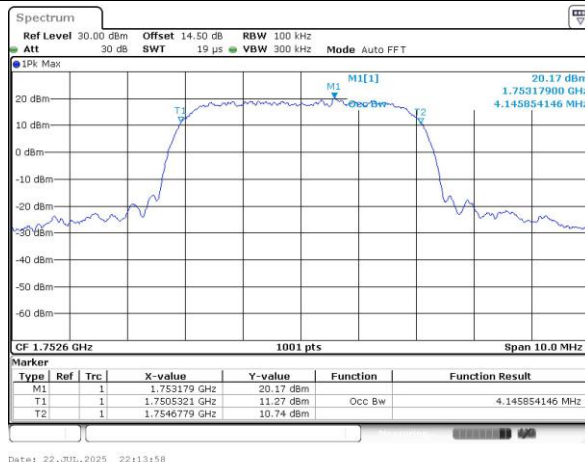
Lowest Channel



Middle Channel



Highest Channel

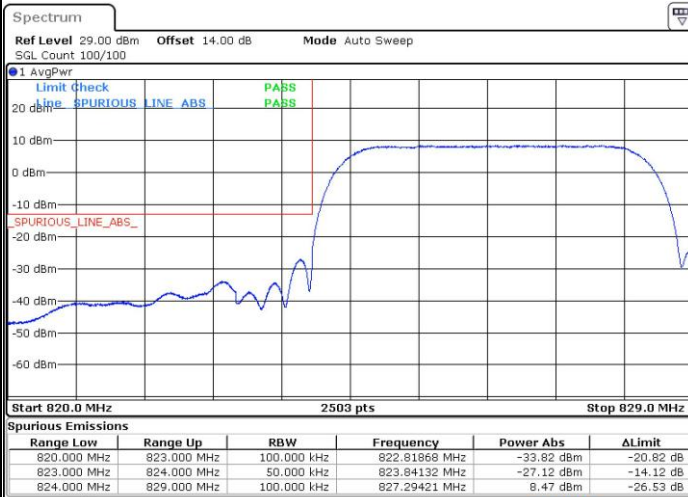




Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

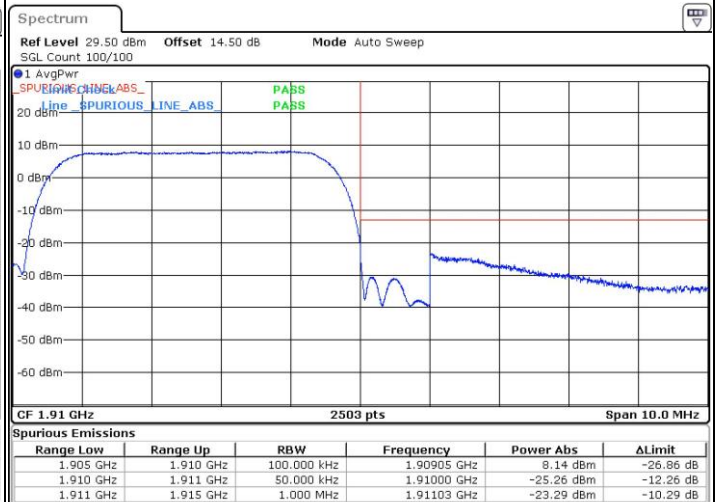


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

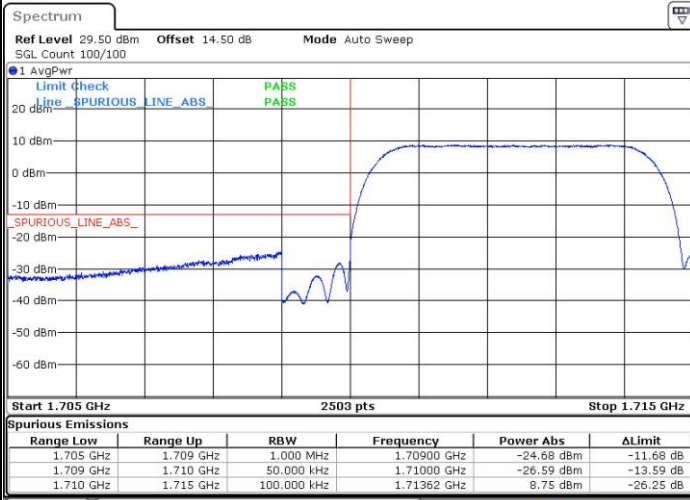




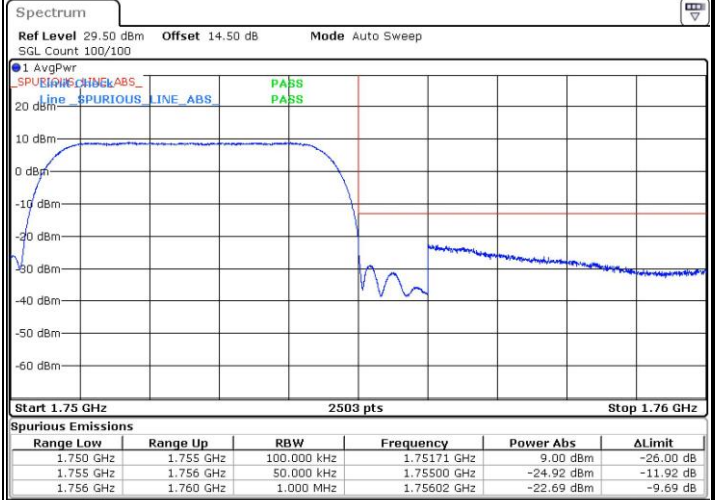
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 22.JUL.2025 22:07:18



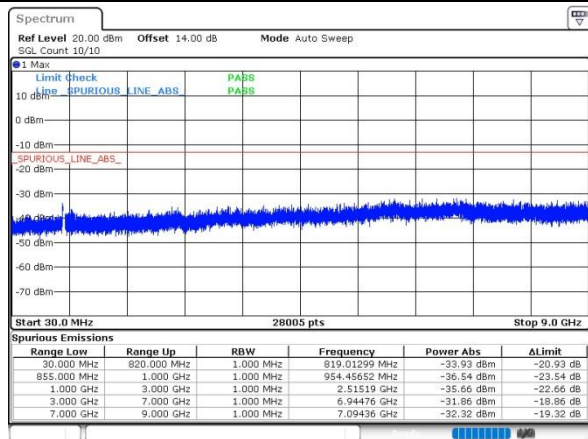
Date: 22.JUL.2025 22:17:51



Conducted Spurious Emission

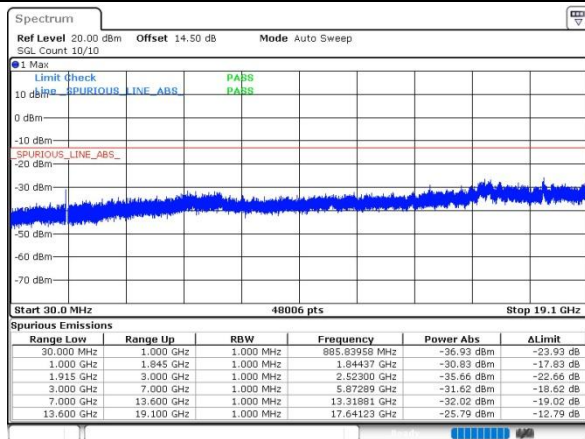
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

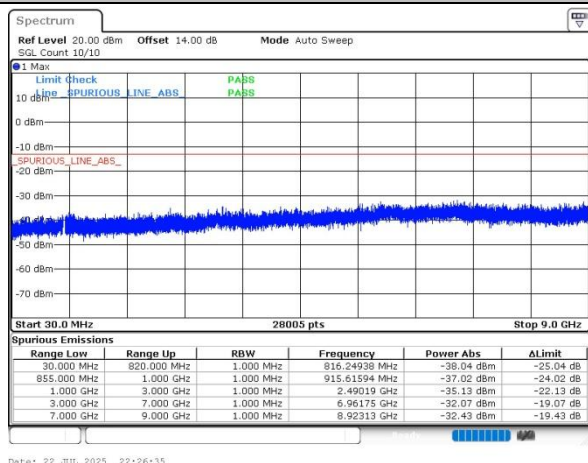


WCDMA Band II (RMC 12.2Kbps)

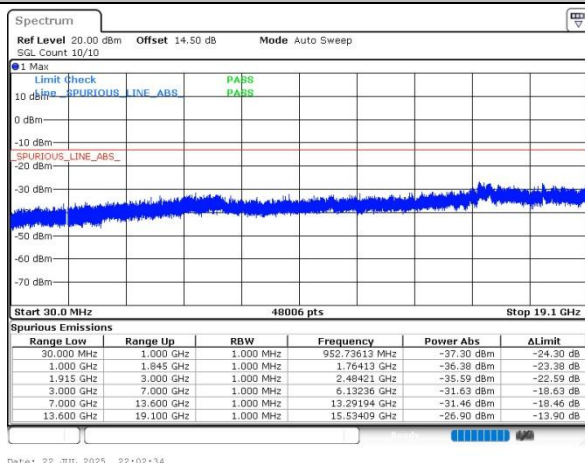
Lowest Channel



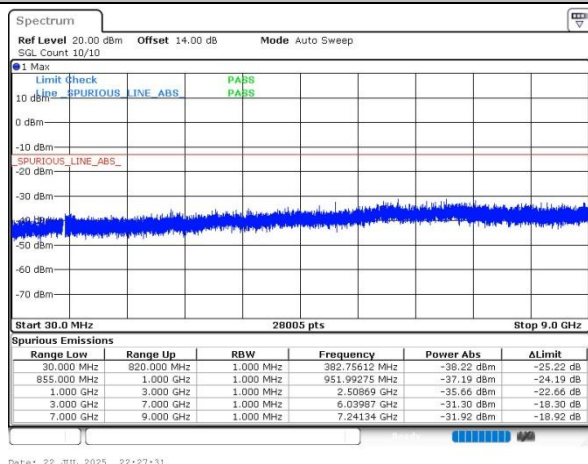
Middle Channel



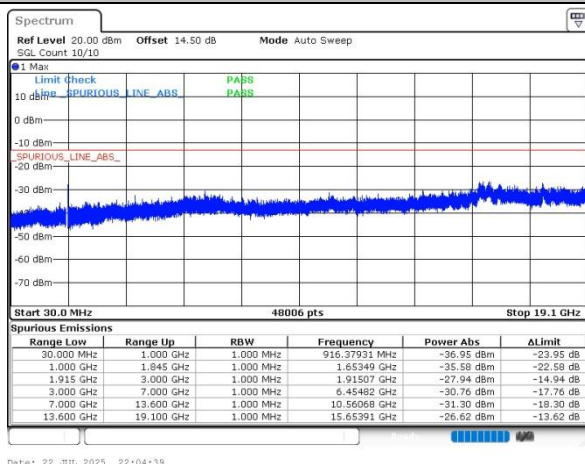
Middle Channel



Highest Channel



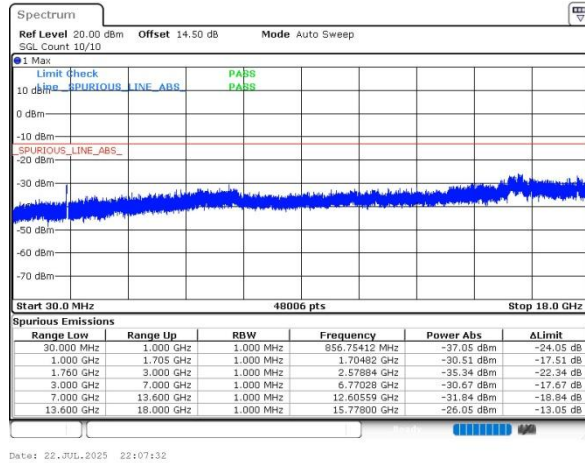
Highest Channel



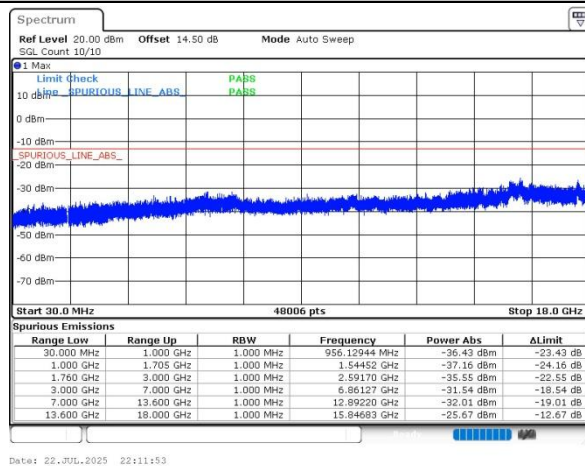


WCDMA Band IV (RMC 12.2Kbps)

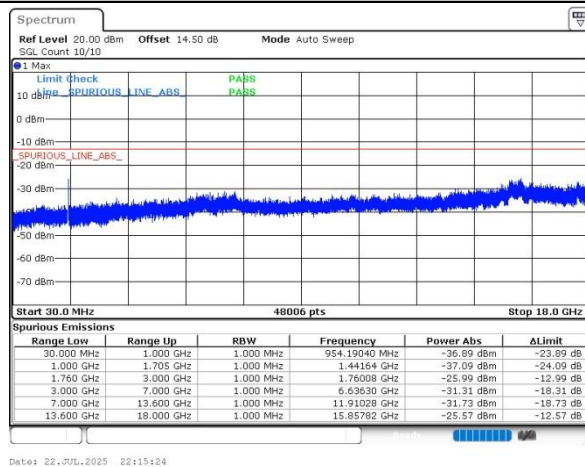
Lowest Channel



Middle Channel



Highest Channel



**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	0.0007	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	1.5	PASS
40	Normal Voltage	1.9	
30	Normal Voltage	2.1	
20(Ref.)	Normal Voltage	2.2	
10	Normal Voltage	1.7	
0	Normal Voltage	3	
-10	Normal Voltage	2.4	
-20	Normal Voltage	1.6	
-30	Normal Voltage	1.8	
20	Maximum Voltage	1.4	
20	Normal Voltage	2.2	
20	Battery End Point	2.1	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	-1.5	PASS
40	Normal Voltage	-1.4	
30	Normal Voltage	-1.9	
20(Ref.)	Normal Voltage	-1.2	
10	Normal Voltage	-1.3	
0	Normal Voltage	-1.4	
-10	Normal Voltage	-1.8	
-20	Normal Voltage	-1.5	
-30	Normal Voltage	-1.9	
20	Maximum Voltage	-1.7	
20	Normal Voltage	-1.2	
20	Battery End Point	-1.6	

Note:

1. Normal Voltage = 8V. ; Battery End Point (BEP) = 7.2V. ; Maximum Voltage = 9 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

$$\text{MAX}(\Delta f) = 3\text{Hz}$$

Frequency Stability	WCDMA Band II Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	1850.332097	$\geq 1850\text{MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	1909.687903	$\leq 1910\text{MHz}$	

$$\text{MAX}(\Delta f) = 1.9\text{Hz}$$

Frequency Stability	WCDMA Band IV Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	1710.332099	$\geq 1710\text{MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	1754.677901	$\leq 1755\text{MHz}$	



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Liangping Zhou	Temperature :	22~25℃
		Relative Humidity :	48~52%

Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test and record in the report.

GSM850 (GSM) / ANT1									
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	-65.45	-13	-52.45	-74.96	-68.68	3.98	9.36	H
	2472.6	-62.99	-13	-49.99	-76.89	-66.54	4.85	10.55	H
	3296.8	-61.98	-13	-48.98	-78.04	-66.91	5.50	12.58	H
	1648.4	-66.30	-13	-53.30	-75.55	-69.53	3.98	9.36	V
	2472.6	-62.87	-13	-49.87	-76.74	-66.42	4.85	10.55	V
	3296.8	-62.02	-13	-49.02	-77.89	-66.95	5.50	12.58	V
Middle	1672.8	-65.97	-13	-52.97	-75.54	-69.22	4.00	9.40	H
	2509.2	-63.04	-13	-50.04	-76.83	-66.61	4.88	10.60	H
	3345.6	-62.65	-13	-49.65	-78.26	-67.58	5.52	12.60	H
	1672.8	-66.39	-13	-53.39	-75.41	-69.64	4.00	9.40	V
	2509.2	-63.24	-13	-50.24	-76.99	-66.81	4.88	10.60	V
	3345.6	-62.78	-13	-49.78	-78.12	-67.71	5.52	12.60	V
Highest	1697.6	-65.70	-13	-52.70	-75.35	-68.87	4.10	9.42	H
	2546.4	-63.22	-13	-50.22	-77.13	-66.80	4.90	10.63	H
	3395.2	-62.02	-13	-49.02	-78.05	-66.94	5.55	12.62	H
	1697.6	-66.18	-13	-53.18	-75.31	-69.35	4.10	9.42	V
	2546.4	-63.34	-13	-50.34	-77.19	-66.92	4.90	10.63	V
	3395.2	-62.20	-13	-49.20	-78.35	-67.12	5.55	12.62	V

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



GSM850 (EDGE 1 Tx slots) /ANT1									
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	-66.15	-13	-53.15	-75.66	-69.38	3.98	9.36	H
	2472.6	-63.13	-13	-50.13	-77.03	-66.68	4.85	10.55	H
	3296.8	-62.21	-13	-49.21	-78.27	-67.14	5.50	12.58	H
	1648.4	-65.86	-13	-52.86	-75.11	-69.09	3.98	9.36	V
	2472.6	-61.03	-13	-48.03	-74.90	-64.58	4.85	10.55	V
	3296.8	-62.33	-13	-49.33	-78.20	-67.26	5.50	12.58	V
Middle	1672.8	-65.37	-13	-52.37	-74.94	-68.62	4.00	9.40	H
	2509.2	-63.25	-13	-50.25	-77.04	-66.82	4.88	10.60	H
	3345.6	-62.54	-13	-49.54	-78.15	-67.47	5.52	12.60	H
	1672.8	-66.10	-13	-53.10	-75.12	-69.35	4.00	9.40	V
	2509.2	-63.44	-13	-50.44	-77.19	-67.01	4.88	10.60	V
	3345.6	-62.59	-13	-49.59	-77.93	-67.52	5.52	12.60	V
Highest	1697.6	-66.00	-13	-53.00	-75.65	-69.17	4.10	9.42	H
	2546.4	-61.82	-13	-48.82	-75.73	-65.40	4.90	10.63	H
	3395.2	-62.11	-13	-49.11	-78.14	-67.03	5.55	12.62	H
	1697.6	-66.62	-13	-53.62	-75.75	-69.79	4.10	9.42	V
	2546.4	-61.80	-13	-48.80	-75.65	-65.38	4.90	10.63	V
	3395.2	-62.14	-13	-49.14	-78.29	-67.06	5.55	12.62	V

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

GSM1900 (GSM) /ANT6									
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	-61.80	-13	-48.80	-79.82	-68.56	5.82	12.58	H
	5550.6	-59.54	-13	-46.54	-81.49	-65.26	7.28	13.00	H
	7400.8	-55.13	-13	-42.13	-81.27	-58.29	8.32	11.48	H
	3700.4	-61.52	-13	-48.52	-79.44	-68.28	5.82	12.58	V
	5550.6	-59.22	-13	-46.22	-81.35	-64.94	7.28	13.00	V
	7400.8	-55.29	-13	-42.29	-81.45	-58.45	8.32	11.48	V
Middle	3760	-60.72	-13	-47.72	-78.84	-67.47	5.85	12.60	H
	5640	-58.30	-13	-45.30	-81.16	-64.10	7.30	13.10	H
	7520	-55.37	-13	-42.37	-81.19	-58.52	8.35	11.50	H
	3760	-61.05	-13	-48.05	-79.1	-67.80	5.85	12.60	V
	5640	-58.80	-13	-45.80	-80.91	-64.60	7.30	13.10	V
	7520	-55.29	-13	-42.29	-81.09	-58.44	8.35	11.50	V
Highest	3819.6	-61.05	-13	-48.05	-79.32	-67.79	5.88	12.62	H
	5729.4	-58.22	-13	-45.22	-81.16	-64.03	7.32	13.13	H
	7639.2	-54.84	-13	-41.84	-80.62	-58.00	8.38	11.54	H
	3819.6	-60.92	-13	-47.92	-79.18	-67.66	5.88	12.62	V
	5729.4	-58.46	-13	-45.46	-81.22	-64.27	7.32	13.13	V
	7639.2	-54.83	-13	-41.83	-80.53	-57.99	8.38	11.54	V

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



GSM1900 (EDGE 1 Tx slots) /ANT6									
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	-61.57	-13	-48.57	-79.59	-68.33	5.82	12.58	H
	5550.6	-59.15	-13	-46.15	-81.10	-64.87	7.28	13.00	H
	7400.8	-55.20	-13	-42.20	-81.34	-58.36	8.32	11.48	H
	3700.4	-61.54	-13	-48.54	-79.46	-68.30	5.82	12.58	V
	5550.6	-59.26	-13	-46.26	-81.39	-64.98	7.28	13.00	V
	7400.8	-54.68	-13	-41.68	-80.84	-57.84	8.32	11.48	V
Middle	3760	-60.81	-13	-47.81	-78.93	-67.56	5.85	12.60	H
	5640	-58.29	-13	-45.29	-81.15	-64.09	7.30	13.10	H
	7520	-55.09	-13	-42.09	-80.91	-58.24	8.35	11.50	H
	3760	-61.23	-13	-48.23	-79.28	-67.98	5.85	12.60	V
	5640	-58.90	-13	-45.90	-81.01	-64.70	7.30	13.10	V
	7520	-55.29	-13	-42.29	-81.09	-58.44	8.35	11.50	V
Highest	3819.6	-61.01	-13	-48.01	-79.28	-67.75	5.88	12.62	H
	5729.4	-58.42	-13	-45.42	-81.36	-64.23	7.32	13.13	H
	7639.2	-54.66	-13	-41.66	-80.44	-57.82	8.38	11.54	H
	3819.6	-61.00	-13	-48.00	-79.26	-67.74	5.88	12.62	V
	5729.4	-58.41	-13	-45.41	-81.17	-64.22	7.32	13.13	V
	7639.2	-55.15	-13	-42.15	-80.85	-58.31	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) /ANT0									
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	-66.18	-13	-53.18	-75.73	-69.41	3.98	9.36	H
	2479.2	-63.29	-13	-50.29	-77.19	-66.84	4.85	10.55	H
	3305.6	-62.15	-13	-49.15	-78.04	-67.08	5.50	12.58	H
	1652.8	-66.62	-13	-53.62	-75.91	-69.85	3.98	9.36	V
	2479.2	-63.12	-13	-50.12	-76.99	-66.67	4.85	10.55	V
	3305.6	-62.34	-13	-49.34	-78.01	-67.27	5.50	12.58	V
Middle	1672.8	-65.77	-13	-52.77	-75.34	-69.02	4.00	9.40	H
	2509.2	-63.31	-13	-50.31	-77.10	-66.88	4.88	10.60	H
	3345.6	-62.25	-13	-49.25	-77.86	-67.18	5.52	12.60	H
	1672.8	-66.41	-13	-53.41	-75.43	-69.66	4.00	9.40	V
	2509.2	-63.52	-13	-50.52	-77.27	-67.09	4.88	10.60	V
	3345.6	-62.77	-13	-49.77	-78.11	-67.70	5.52	12.60	V
Highest	1693.2	-65.86	-13	-52.86	-75.51	-69.03	4.10	9.42	H
	2539.8	-62.81	-13	-49.81	-76.71	-66.39	4.90	10.63	H
	3386.4	-62.20	-13	-49.20	-78.11	-67.12	5.55	12.62	H
	1693.2	-66.38	-13	-53.38	-75.51	-69.55	4.10	9.42	V
	2539.8	-63.61	-13	-50.61	-77.45	-67.19	4.90	10.63	V
	3386.4	-61.95	-13	-48.95	-77.85	-66.87	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) /ANT6									
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	-61.15	-13	-48.15	-79.17	-67.91	5.82	12.58	H
	5557.2	-59.28	-13	-46.28	-81.20	-65.00	7.28	13.00	H
	7409.6	-55.12	-13	-42.12	-81.26	-58.28	8.32	11.48	H
	3704.8	-61.41	-13	-48.41	-79.33	-68.17	5.82	12.58	V
	5557.2	-59.37	-13	-46.37	-81.47	-65.09	7.28	13.00	V
	7409.6	-55.04	-13	-42.04	-81.2	-58.20	8.32	11.48	V
Middle	3760	-61.35	-13	-48.35	-79.47	-68.10	5.85	12.60	H
	5640	-58.54	-13	-45.54	-81.40	-64.34	7.30	13.10	H
	7520	-55.21	-13	-42.21	-81.03	-58.36	8.35	11.50	H
	3760	-61.14	-13	-48.14	-79.19	-67.89	5.85	12.60	V
	5640	-59.01	-13	-46.01	-81.12	-64.81	7.30	13.10	V
	7520	-54.88	-13	-41.88	-80.68	-58.03	8.35	11.50	V
Highest	3815.2	-61.20	-13	-48.20	-79.46	-67.94	5.88	12.62	H
	5722.8	-58.22	-13	-45.22	-81.16	-64.03	7.32	13.13	H
	7630.4	-54.76	-13	-41.76	-80.51	-57.92	8.38	11.54	H
	3815.2	-61.32	-13	-48.32	-79.57	-68.06	5.88	12.62	V
	5722.8	-58.91	-13	-45.91	-81.67	-64.72	7.32	13.13	V
	7630.4	-55.10	-13	-42.10	-80.77	-58.26	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) /ANT6									
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	-62.32	-13	-49.32	-78.66	-69.20	5.60	12.48	H
	5137.2	-59.58	-13	-46.58	-81.23	-65.26	7.10	12.78	H
	6849.6	-56.67	-13	-43.67	-81.75	-60.06	8.38	11.77	H
	3424.8	-62.24	-13	-49.24	-78.64	-69.12	5.60	12.48	V
	5137.2	-59.12	-13	-46.12	-80.99	-64.80	7.10	12.78	V
	6849.6	-56.33	-13	-43.33	-81.91	-59.72	8.38	11.77	V
Middle	3465.2	-61.94	-13	-48.94	-78.61	-68.79	5.65	12.50	H
	5197.8	-60.06	-13	-47.06	-81.60	-65.73	7.13	12.80	H
	6930.4	-56.15	-13	-43.15	-81.49	-59.55	8.40	11.80	H
	3465.2	-61.86	-13	-48.86	-78.55	-68.71	5.65	12.50	V
	5197.8	-59.54	-13	-46.54	-81.39	-65.21	7.13	12.80	V
	6930.4	-55.84	-13	-42.84	-81.65	-59.24	8.40	11.80	V
Highest	3505.2	-61.76	-13	-48.76	-78.74	-68.60	5.68	12.52	H
	5257.8	-60.55	-13	-47.55	-81.98	-66.22	7.15	12.82	H
	7010.4	-55.95	-13	-42.95	-81.64	-59.38	8.42	11.85	H
	3505.2	-61.71	-13	-48.71	-78.66	-68.55	5.68	12.52	V
	5257.8	-60.66	-13	-47.66	-82.2	-66.33	7.15	12.82	V
	7010.4	-55.60	-13	-42.60	-81.74	-59.03	8.42	11.85	V

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