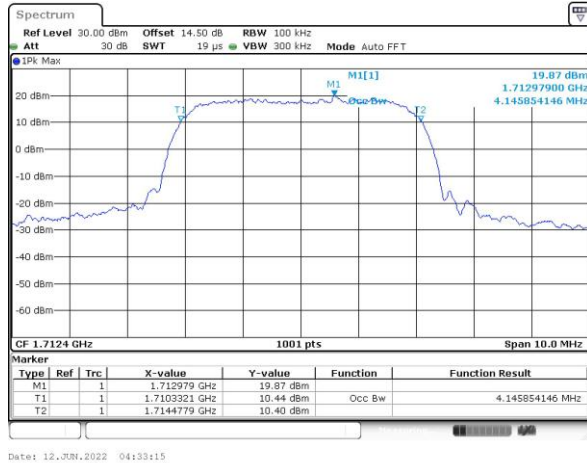


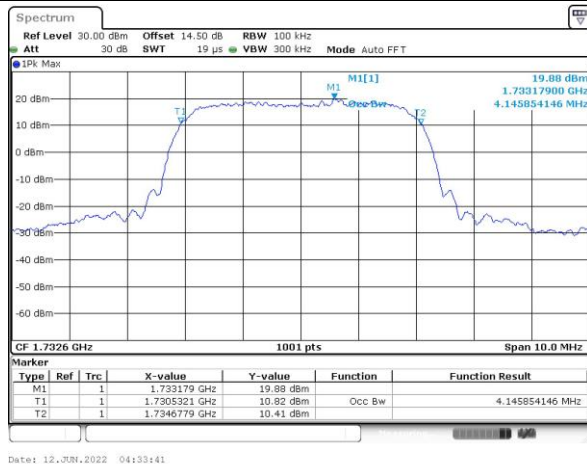


WCDMA Band IV (RMC 12.2Kbps)

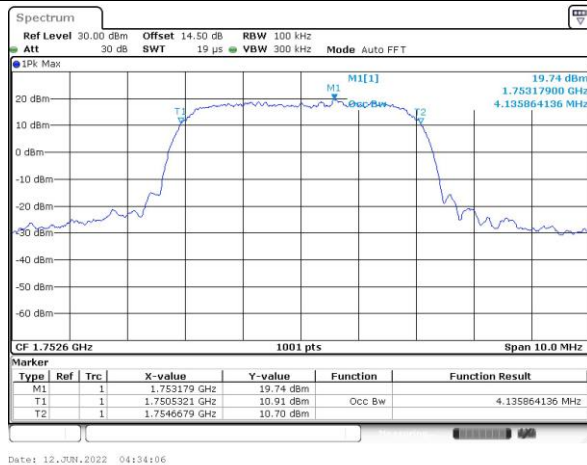
Lowest Channel



Middle Channel



Highest Channel

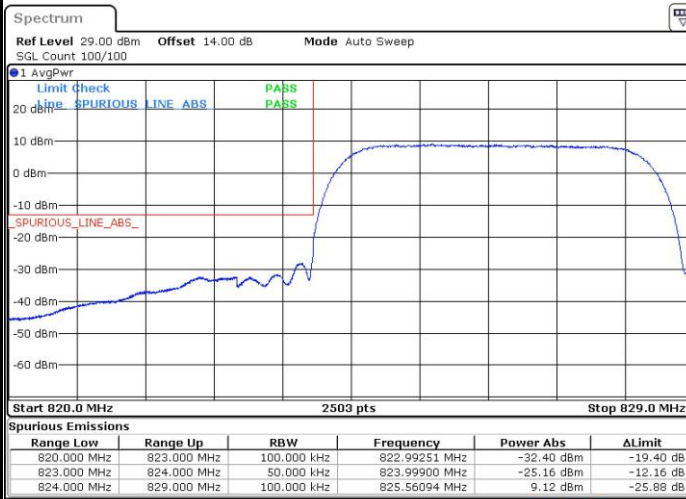




Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

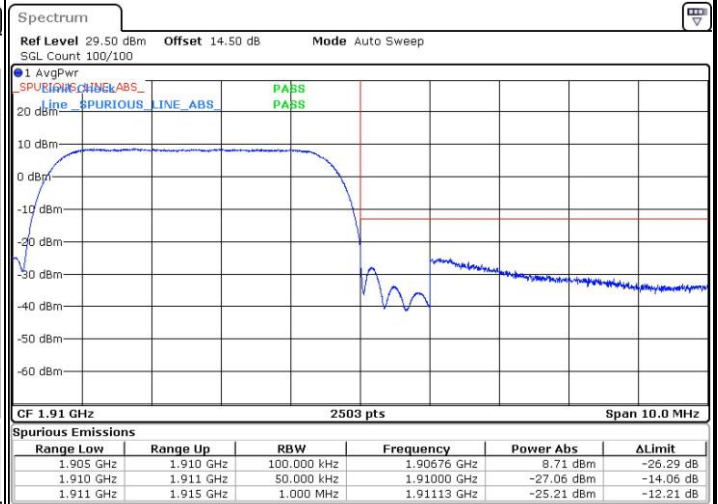


WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge





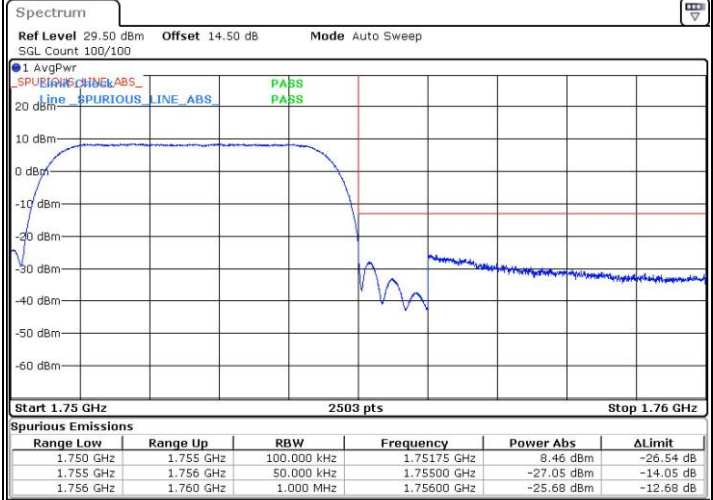
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Date: 12.JUN.2022 04:35:04

Highest Band Edge



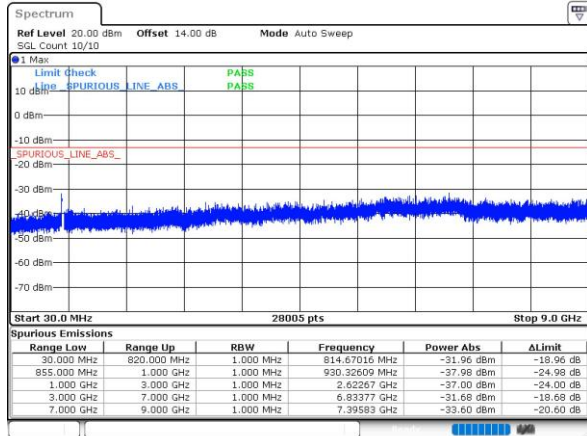
Date: 12.JUN.2022 04:35:57



Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

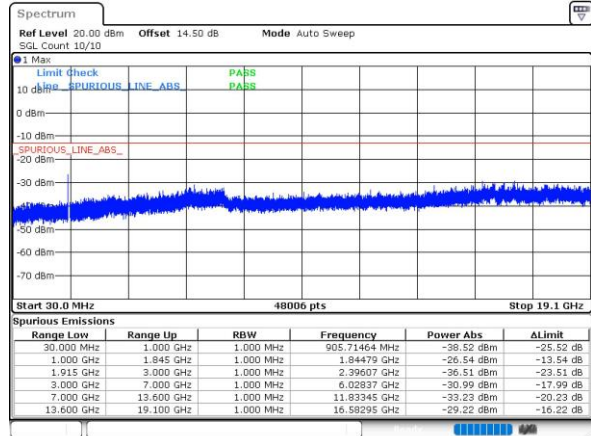
Lowest Channel



Date: 12 JUN 2022 05:14:37

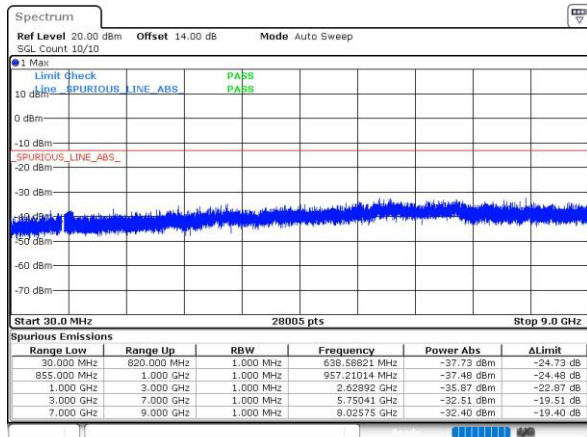
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



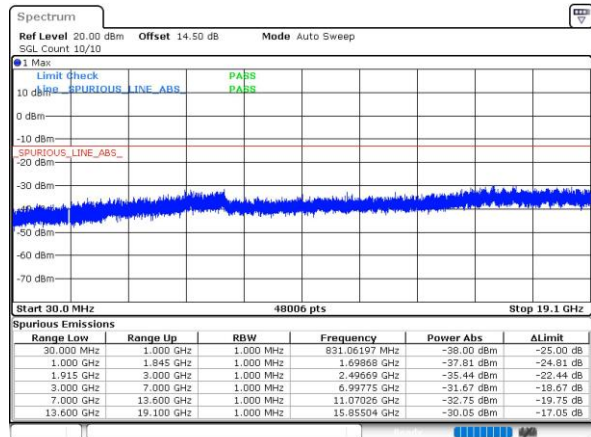
Date: 12 JUN 2022 04:28:42

Middle Channel



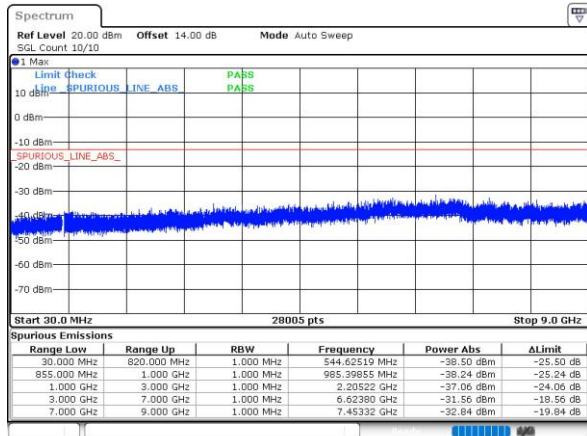
Date: 12 JUN 2022 05:14:58

Middle Channel



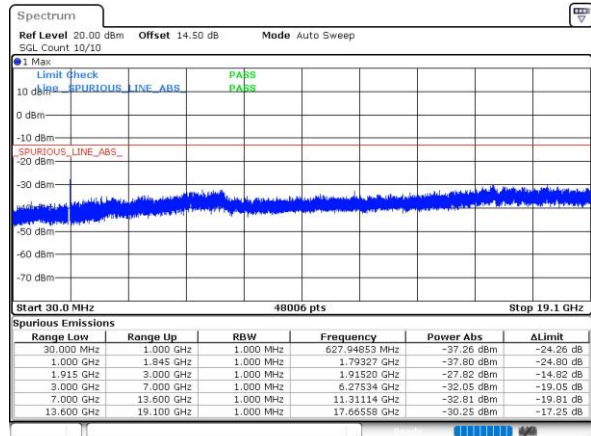
Date: 12 JUN 2022 04:29:35

Highest Channel



Date: 12 JUN 2022 05:15:21

Highest Channel

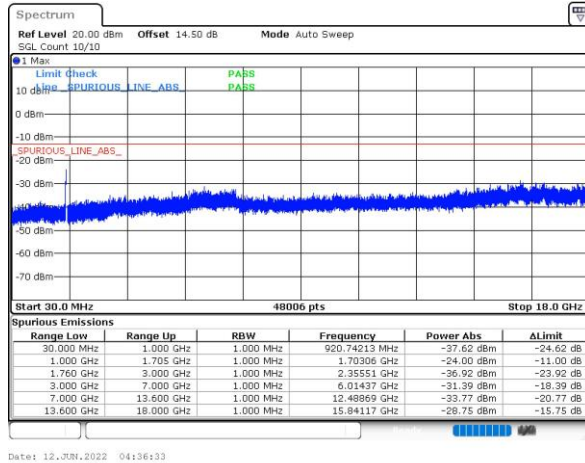


Date: 12 JUN 2022 04:30:30

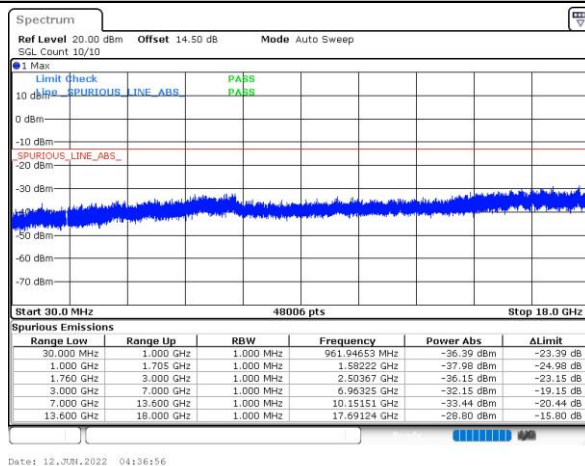


WCDMA Band IV (RMC 12.2Kbps)

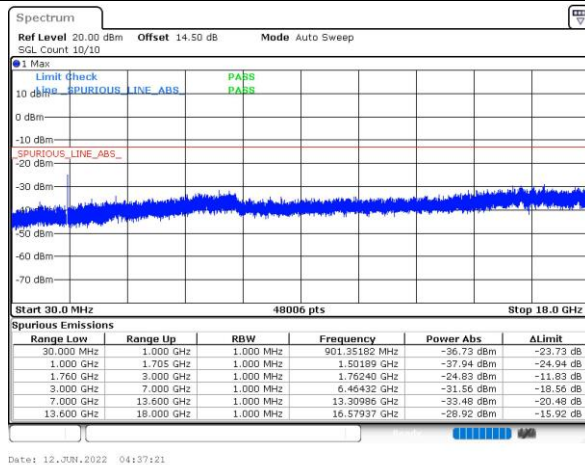
Lowest Channel



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	0.0004	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0106	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0094	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0074	
0	Normal Voltage	0.0083	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0078	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0077	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0072	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0070	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage = 7.78V. ; Battery End Point (BEP) = 6.0 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 :	Zhicheng Li	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE pre-scanned harmonic for all the supported antennas and choose the worst antenna to test.

GSM850 (GSM) 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	1649.4	-65.82	-13	-52.82	-71.94	-69.05	3.98	9.36	H
	2474.1	-62.59	-13	-49.59	-72.83	-66.14	4.85	10.55	H
	3298.8	-63.45	-13	-50.45	-75.66	-68.38	5.50	12.58	H
	1649.4	-63.10	-13	-50.10	-69.10	-66.33	3.98	9.36	V
	2474.1	-55.40	-13	-42.40	-65.99	-58.95	4.85	10.55	V
	3298.8	-63.08	-13	-50.08	-75.74	-68.01	5.50	12.58	V
Middle	1673.04	-66.40	-13	-53.40	-72.48	-69.65	4.00	9.40	H
	2509.56	-55.23	-13	-42.23	-65.38	-58.80	4.88	10.60	H
	3346.08	-64.14	-13	-51.14	-75.97	-69.07	5.52	12.60	H
	1673.04	-65.10	-13	-52.10	-70.91	-68.35	4.00	9.40	V
	2509.56	-45.06	-13	-32.06	-55.54	-48.63	4.88	10.60	V
	3346.08	-63.80	-13	-50.80	-76.01	-68.73	5.52	12.60	V
Highest	1697.6	-66.18	-13	-53.18	-66.18	-69.35	4.10	9.42	H
	2546.4	-63.74	-13	-50.74	-63.74	-67.32	4.90	10.63	H
	3395.2	-64.11	-13	-51.11	-64.11	-69.03	5.55	12.62	H
	1697.6	-64.32	-13	-51.32	-64.32	-67.49	4.10	9.42	V
	2546.4	-62.35	-13	-49.35	-62.35	-65.93	4.90	10.63	V
	3395.2	-63.63	-13	-50.63	-63.63	-68.55	5.55	12.62	V

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



GSM850 (EDGE 1 Tx slots) 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	1648.4	-64.48	-13	-51.48	-64.48	-67.71	3.98	9.36	H
	2472.6	-61.79	-13	-48.79	-61.79	-65.34	4.85	10.55	H
	3296.8	-63.51	-13	-50.51	-63.51	-68.44	5.50	12.58	H
	1648.4	-61.13	-13	-48.13	-61.13	-64.36	3.98	9.36	V
	2472.6	-56.50	-13	-43.50	-56.50	-60.05	4.85	10.55	V
	3296.8	-62.53	-13	-49.53	-62.53	-67.46	5.50	12.58	V
Middle	1672.8	-66.90	-13	-53.90	-66.90	-70.15	4.00	9.40	H
	2509.2	-64.42	-13	-51.42	-64.42	-67.99	4.88	10.60	H
	3345.6	-63.63	-13	-50.63	-63.63	-68.56	5.52	12.60	H
	1672.8	-65.48	-13	-52.48	-65.48	-68.73	4.00	9.40	V
	2509.2	-63.08	-13	-50.08	-63.08	-66.65	4.88	10.60	V
	3345.6	-63.46	-13	-50.46	-63.46	-68.39	5.52	12.60	V
Highest	1697.6	-65.36	-13	-52.36	-65.36	-68.53	4.10	9.42	H
	2546.4	-63.44	-13	-50.44	-63.44	-67.02	4.90	10.63	H
	3395.2	-64.01	-13	-51.01	-64.01	-68.93	5.55	12.62	H
	1697.6	-63.66	-13	-50.66	-63.66	-66.83	4.10	9.42	V
	2546.4	-62.58	-13	-49.58	-62.58	-66.16	4.90	10.63	V
	3395.2	-63.56	-13	-50.56	-63.56	-68.48	5.55	12.62	V

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



GSM1900 (GSM) ANT2									
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	-62.57	-13	-49.57	-76.91	-69.33	5.82	12.58	H
	5550.6	-62.71	-13	-49.71	-79.34	-68.43	7.28	13.00	H
	7400.8	-56.64	-13	-43.64	-79.30	-59.80	8.32	11.48	H
	3700.4	-62.31	-13	-49.31	-76.94	-69.07	5.82	12.58	V
	5550.6	-62.69	-13	-49.69	-79.37	-68.41	7.28	13.00	V
	7400.8	-56.48	-13	-43.48	-79.19	-59.64	8.32	11.48	V
	3700.4	-62.57	-13	-49.57	-76.91	-69.33	5.82	12.58	H
Middle	3760	-62.22	-13	-49.22	-76.67	-68.97	5.85	12.60	H
	5640	-61.76	-13	-48.76	-78.64	-67.56	7.30	13.10	H
	7520	-56.69	-13	-43.69	-78.99	-59.84	8.35	11.50	H
	3760	-61.87	-13	-48.87	-76.5	-68.62	5.85	12.60	V
	5640	-61.82	-13	-48.82	-78.59	-67.62	7.30	13.10	V
	7520	-56.84	-13	-43.84	-79.02	-59.99	8.35	11.50	V
Highest	3819.6	-62.12	-13	-49.12	-76.73	-68.86	5.88	12.62	H
	5729.4	-61.48	-13	-48.48	-78.69	-67.29	7.32	13.13	H
	7639.2	-56.46	-13	-43.46	-78.69	-59.62	8.38	11.54	H
	3819.6	-61.98	-13	-48.98	-76.67	-68.72	5.88	12.62	V
	5729.4	-61.09	-13	-48.09	-78.41	-66.90	7.32	13.13	V
	7639.2	-56.70	-13	-43.70	-78.76	-59.86	8.38	11.54	V

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



GSM1900 (EDGE 1 Tx slots) ANT2									
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	-61.93	-13	-48.93	-76.27	-68.69	5.82	12.58	H
	5550.6	-62.73	-13	-49.73	-79.36	-68.45	7.28	13.00	H
	7400.8	-56.64	-13	-43.64	-79.30	-59.80	8.32	11.48	H
	3700.4	-62.23	-13	-49.23	-76.86	-68.99	5.82	12.58	V
	5550.6	-63.04	-13	-50.04	-79.72	-68.76	7.28	13.00	V
	7400.8	-56.39	-13	-43.39	-79.1	-59.55	8.32	11.48	V
Middle	3760	-62.13	-13	-49.13	-76.58	-68.88	5.85	12.60	H
	5640	-61.93	-13	-48.93	-78.81	-67.73	7.30	13.10	H
	7520	-56.48	-13	-43.48	-78.78	-59.63	8.35	11.50	H
	3760	-61.86	-13	-48.86	-76.49	-68.61	5.85	12.60	V
	5640	-61.98	-13	-48.98	-78.75	-67.78	7.30	13.10	V
	7520	-56.34	-13	-43.34	-78.52	-59.49	8.35	11.50	V
Highest	3819.6	-62.17	-13	-49.17	-76.78	-68.91	5.88	12.62	H
	5729.4	-61.47	-13	-48.47	-78.68	-67.28	7.32	13.13	H
	7639.2	-56.57	-13	-43.57	-78.80	-59.73	8.38	11.54	H
	3819.6	-62.13	-13	-49.13	-76.82	-68.87	5.88	12.62	V
	5729.4	-61.22	-13	-48.22	-78.54	-67.03	7.32	13.13	V
	7639.2	-56.68	-13	-43.68	-78.74	-59.84	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	1649.4	-66.66	-13	-53.66	-72.78	-69.83	4.10	9.42	H
	2474.1	-64.24	-13	-51.24	-74.48	-67.82	4.90	10.63	H
	3298.8	-63.16	-13	-50.16	-75.37	-68.08	5.55	12.62	H
	4132	-61.52	-13	-48.52	-76.93	-66.00	6.02	12.65	H
	1649.4	-67.04	-13	-54.04	-73.04	-70.21	4.10	9.42	V
	2474.1	-63.77	-13	-50.77	-74.36	-67.35	4.90	10.63	V
	3298.8	-62.79	-13	-49.79	-75.45	-67.71	5.55	12.62	V
	4132	-61.50	-13	-48.50	-77.03	-65.98	6.02	12.65	V
Middle	1672.8	-67.15	-13	-54.15	-67.15	-70.40	4.00	9.40	H
	2509.2	-64.09	-13	-51.09	-64.09	-67.66	4.88	10.60	H
	3345.6	-63.97	-13	-50.97	-63.97	-68.90	5.52	12.60	H
	1672.8	-67.37	-13	-54.37	-67.37	-70.62	4.00	9.40	V
	2509.2	-63.81	-13	-50.81	-63.81	-67.38	4.88	10.60	V
	3345.6	-63.70	-13	-50.70	-63.70	-68.63	5.52	12.60	V
Highest	1696.62	-67.07	-13	-54.07	-73.28	-70.24	4.10	9.42	H
	2544.93	-64.16	-13	-51.16	-74.35	-67.74	4.90	10.63	H
	3393.24	-64.06	-13	-51.06	-75.87	-68.98	5.55	12.62	H
	4233	-61.64	-13	-48.64	-77.44	-66.12	6.02	12.65	H
	1696.62	-67.05	-13	-54.05	-73.03	-70.22	4.10	9.42	V
	2544.93	-63.85	-13	-50.85	-74.38	-67.43	4.90	10.63	V
	3393.24	-63.19	-13	-50.19	-75.54	-68.11	5.55	12.62	V
	4233	-62.01	-13	-49.01	-77.91	-66.49	6.02	12.65	V

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



WCDMA Band II(RMC 12.2Kbps) ANT2									
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	-62.76	-13	-49.76	-77.10	-69.52	5.82	12.58	H
	5557.2	-62.38	-13	-49.38	-79.04	-68.10	7.28	13.00	H
	7409.6	-56.56	-13	-43.56	-79.18	-59.72	8.32	11.48	H
	3704.8	-62.51	-13	-49.51	-77.14	-69.27	5.82	12.58	V
	5557.2	-62.50	-13	-49.50	-79.19	-68.22	7.28	13.00	V
	7409.6	-56.60	-13	-43.60	-79.26	-59.76	8.32	11.48	V
Middle	3760	-62.26	-13	-49.26	-76.71	-69.01	5.85	12.60	H
	5640	-62.10	-13	-49.10	-78.98	-67.90	7.30	13.10	H
	7520	-56.39	-13	-43.39	-78.69	-59.54	8.35	11.50	H
	3760	-62.12	-13	-49.12	-76.75	-68.87	5.85	12.60	V
	5640	-62.09	-13	-49.09	-78.86	-67.89	7.30	13.10	V
	7520	-56.81	-13	-43.81	-78.99	-59.96	8.35	11.50	V
Highest	3815.2	-61.77	-13	-48.77	-76.36	-68.51	5.88	12.62	H
	5722.8	-61.16	-13	-48.16	-78.35	-66.97	7.32	13.13	H
	7630.4	-56.63	-13	-43.63	-78.83	-59.79	8.38	11.54	H
	3815.2	-61.79	-13	-48.79	-76.47	-68.53	5.88	12.62	V
	5722.8	-61.28	-13	-48.28	-78.56	-67.09	7.32	13.13	V
	7630.4	-56.60	-13	-43.60	-78.61	-59.76	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) ANT2									
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	-64.03	-13	-51.03	-76.11	-70.91	5.60	12.48	H
	5137.2	-61.38	-13	-48.38	-78.72	-67.06	7.10	12.78	H
	6849.6	-59.70	-13	-46.70	-79.85	-63.09	8.38	11.77	H
	3424.8	-63.31	-13	-50.31	-75.95	-70.19	5.60	12.48	V
	5137.2	-61.28	-13	-48.28	-78.56	-66.96	7.10	12.78	V
	6849.6	-59.97	-13	-46.97	-79.89	-63.36	8.38	11.77	V
Middle	3465.2	-63.30	-13	-50.30	-75.84	-70.15	5.65	12.50	H
	5197.8	-61.40	-13	-48.40	-78.64	-67.07	7.13	12.80	H
	6930.4	-58.86	-13	-45.86	-79.39	-62.26	8.40	11.80	H
	3465.2	-62.89	-13	-49.89	-75.97	-69.74	5.65	12.50	V
	5197.8	-61.40	-13	-48.40	-78.59	-67.07	7.13	12.80	V
	6930.4	-58.51	-13	-45.51	-79.05	-61.91	8.40	11.80	V
Highest	3505.2	-63.21	-13	-50.21	-76.22	-70.05	5.68	12.52	H
	5257.8	-62.40	-13	-49.40	-78.94	-68.07	7.15	12.82	H
	7010.4	-58.65	-13	-45.65	-79.57	-62.08	8.42	11.85	H
	3505.2	-62.70	-13	-49.70	-76.25	-69.54	5.68	12.52	V
	5257.8	-62.82	-13	-49.82	-79.32	-68.49	7.15	12.82	V
	7010.4	-58.68	-13	-45.68	-79.8	-62.11	8.42	11.85	V

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