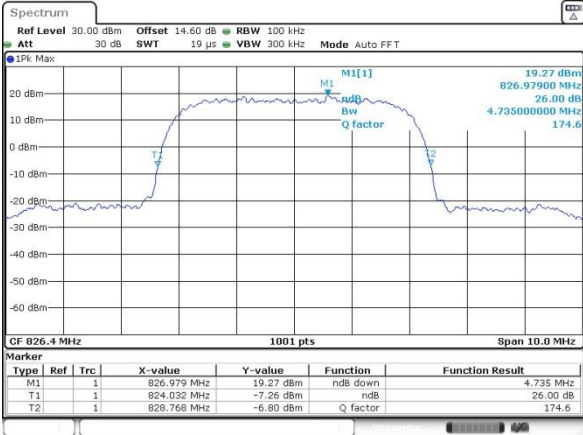




WCDMA Band V (RMC 12.2Kbps)

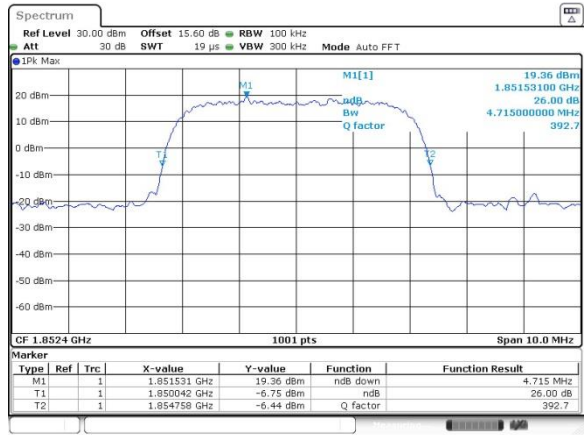
Lowest Channel



Date: 27_DEC.2022 23:12:00

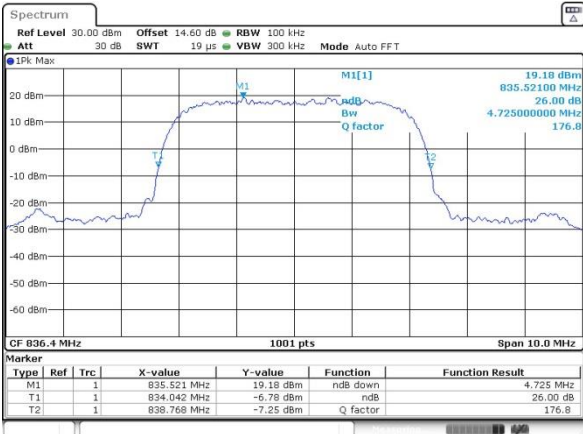
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



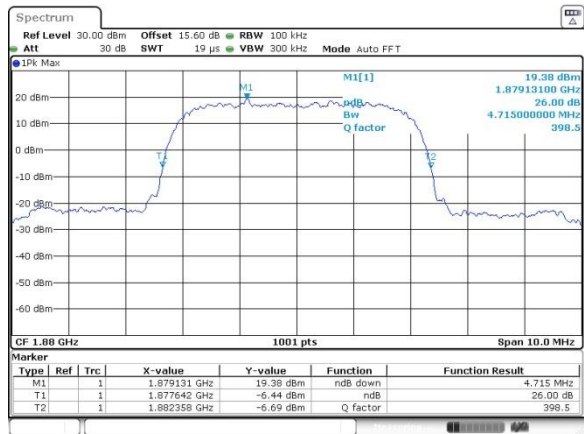
Date: 27_DEC.2022 23:28:49

Middle Channel



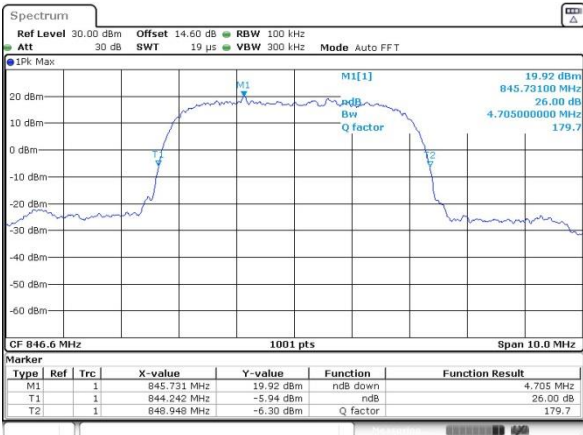
Date: 27_DEC.2022 23:12:32

Middle Channel



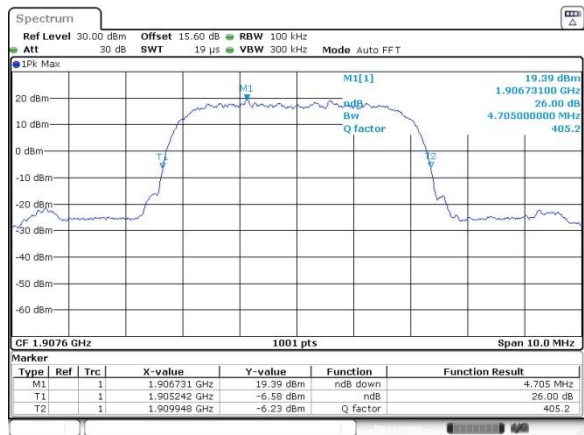
Date: 27_DEC.2022 23:29:20

Highest Channel

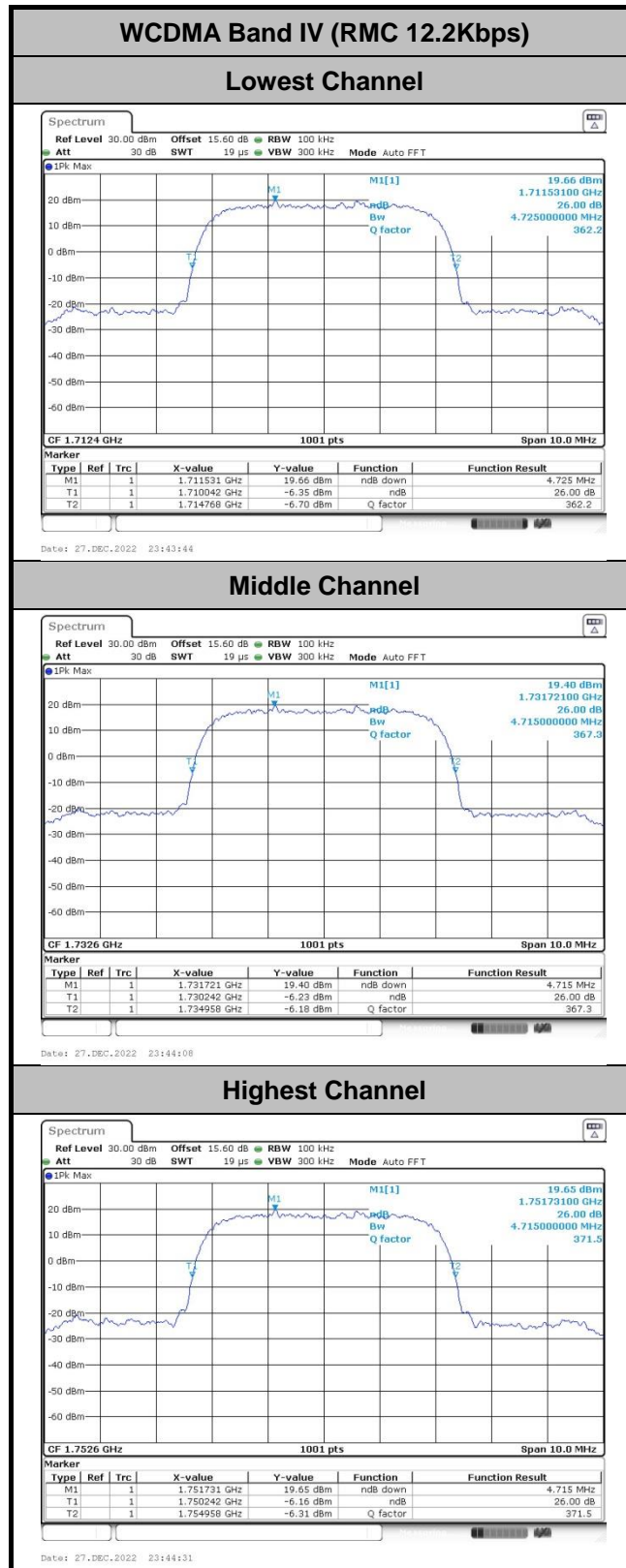


Date: 27_DEC.2022 23:12:59

Highest Channel



Date: 27_DEC.2022 23:29:49





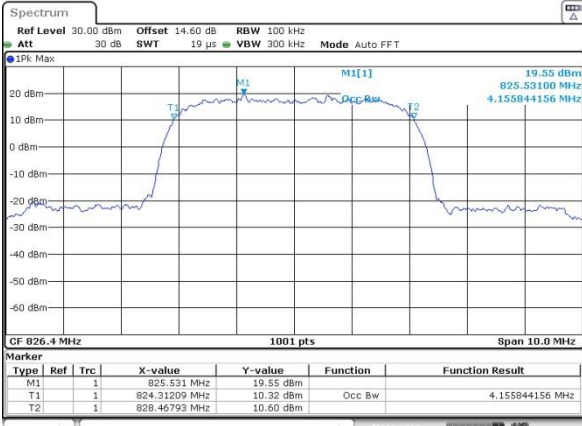
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.156	4.176	4.156
Middle CH	4.156	4.166	4.166
Highest CH	4.156	4.156	4.156



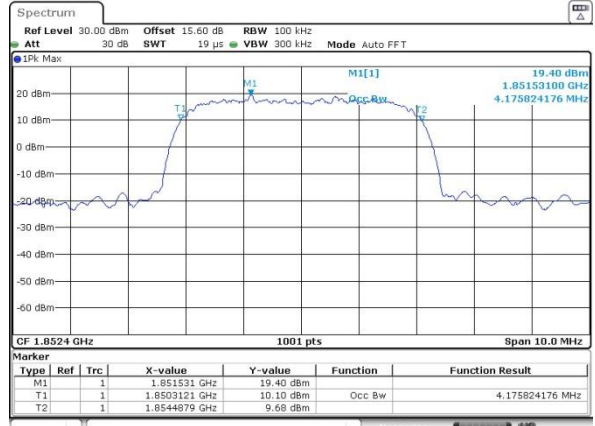
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

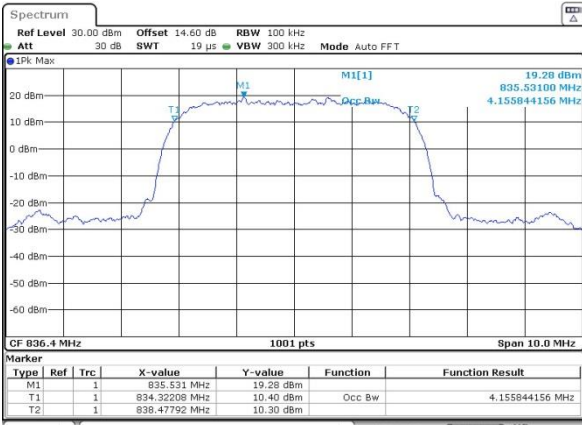


WCDMA Band II (RMC 12.2Kbps)

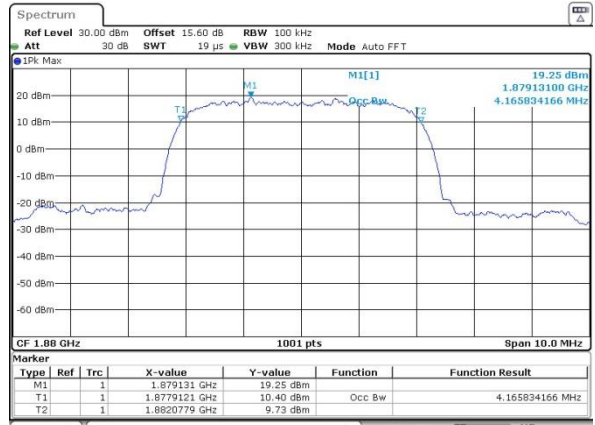
Lowest Channel



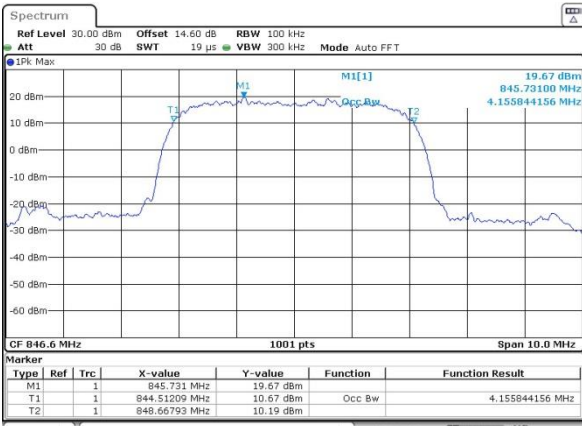
Middle Channel



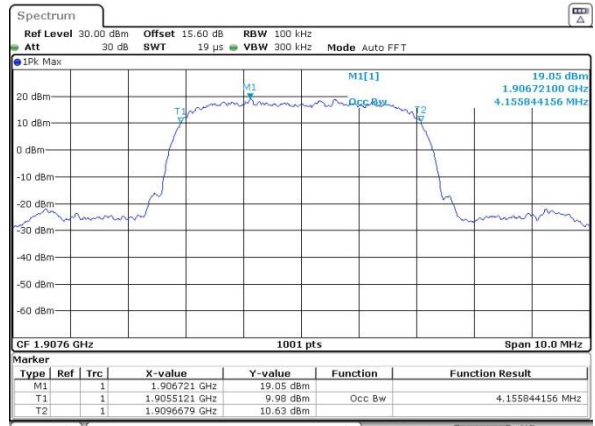
Middle Channel

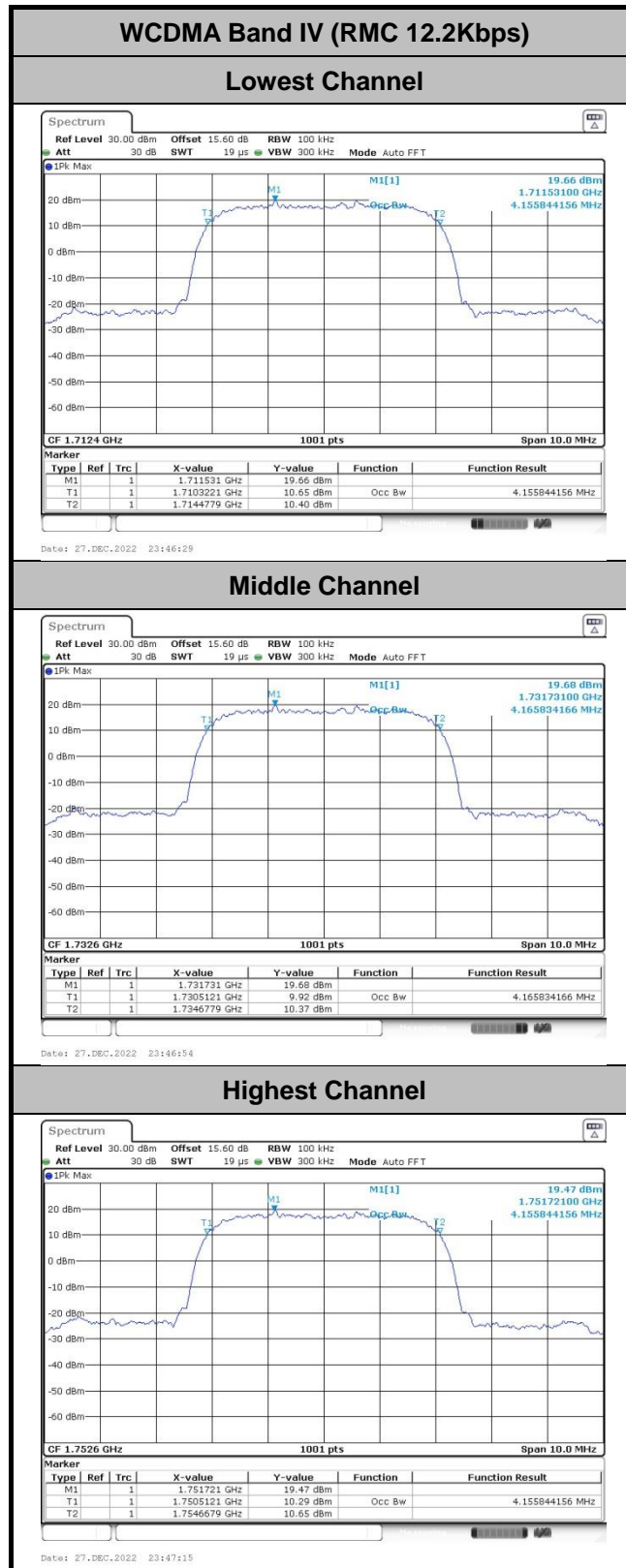


Highest Channel



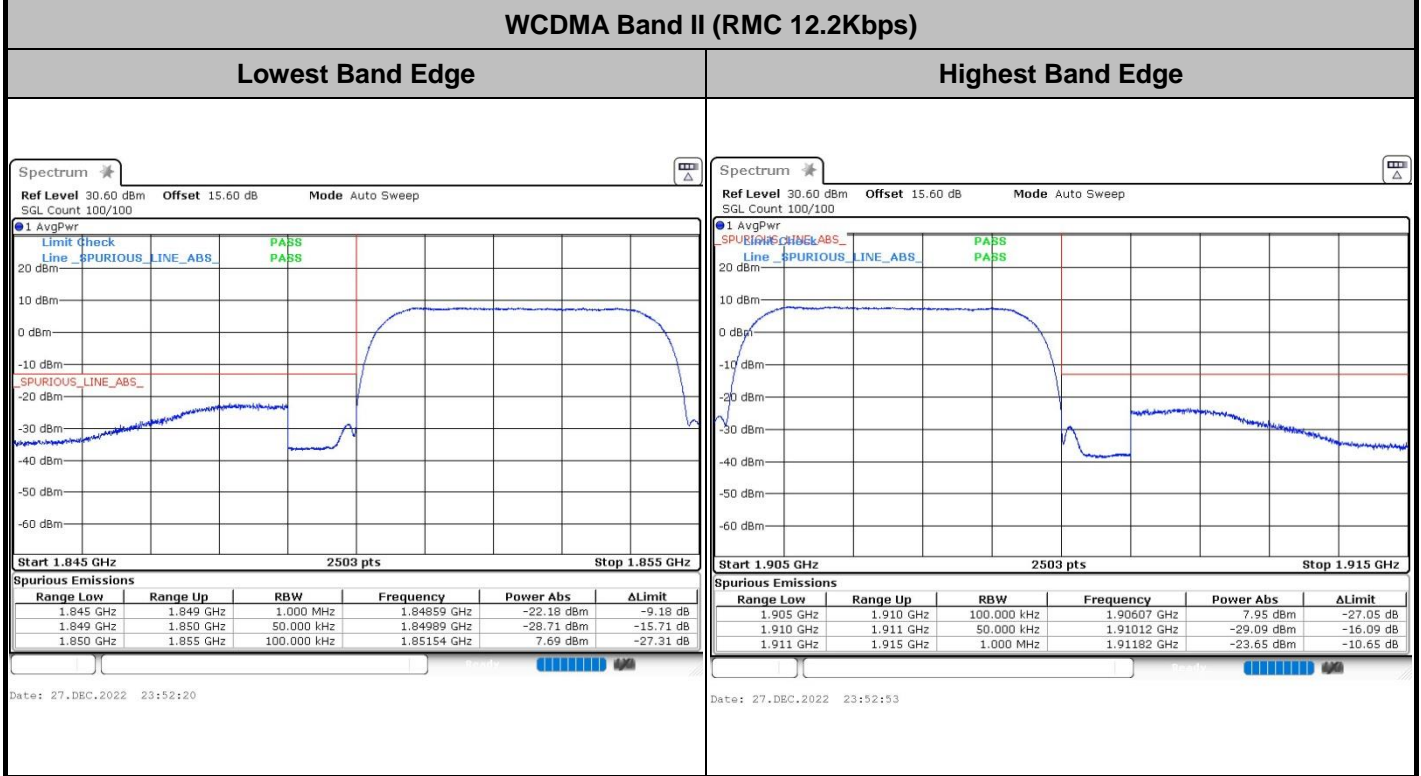
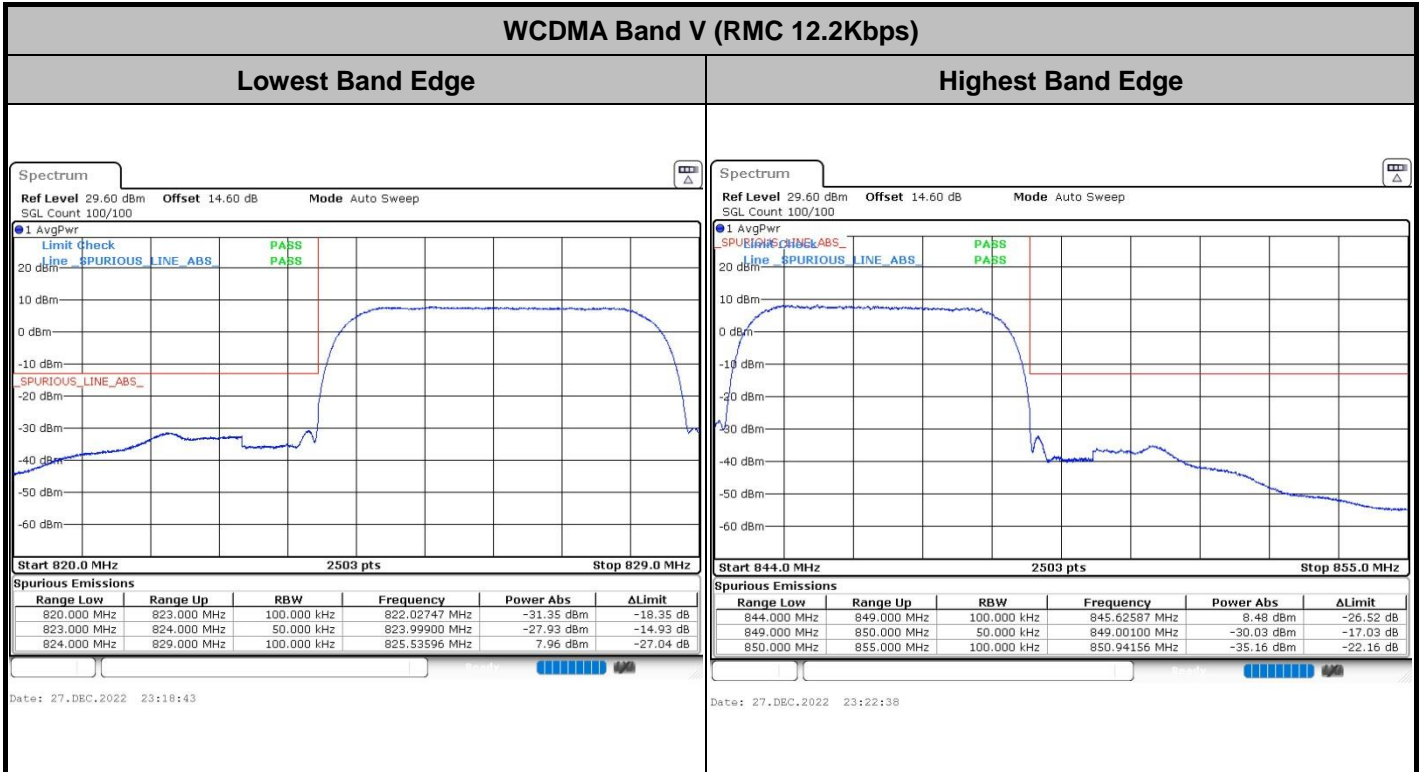
Highest Channel







Conducted Band Edge

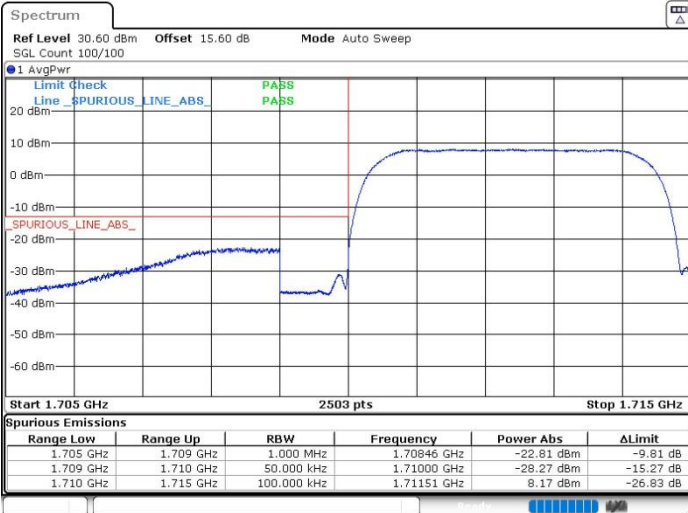




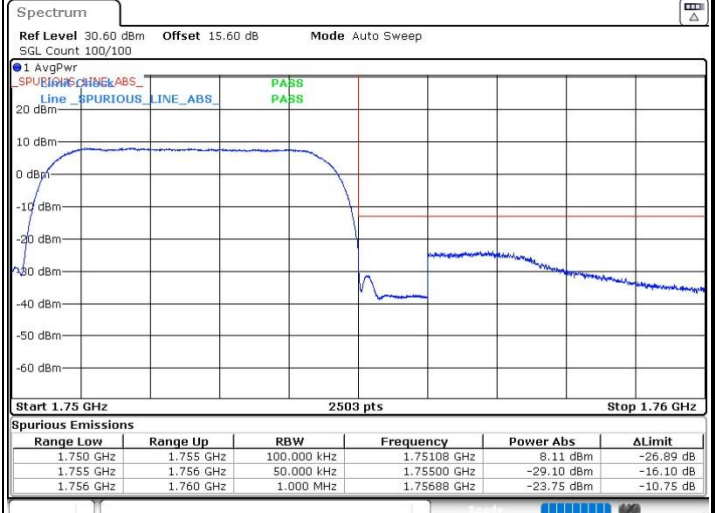
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



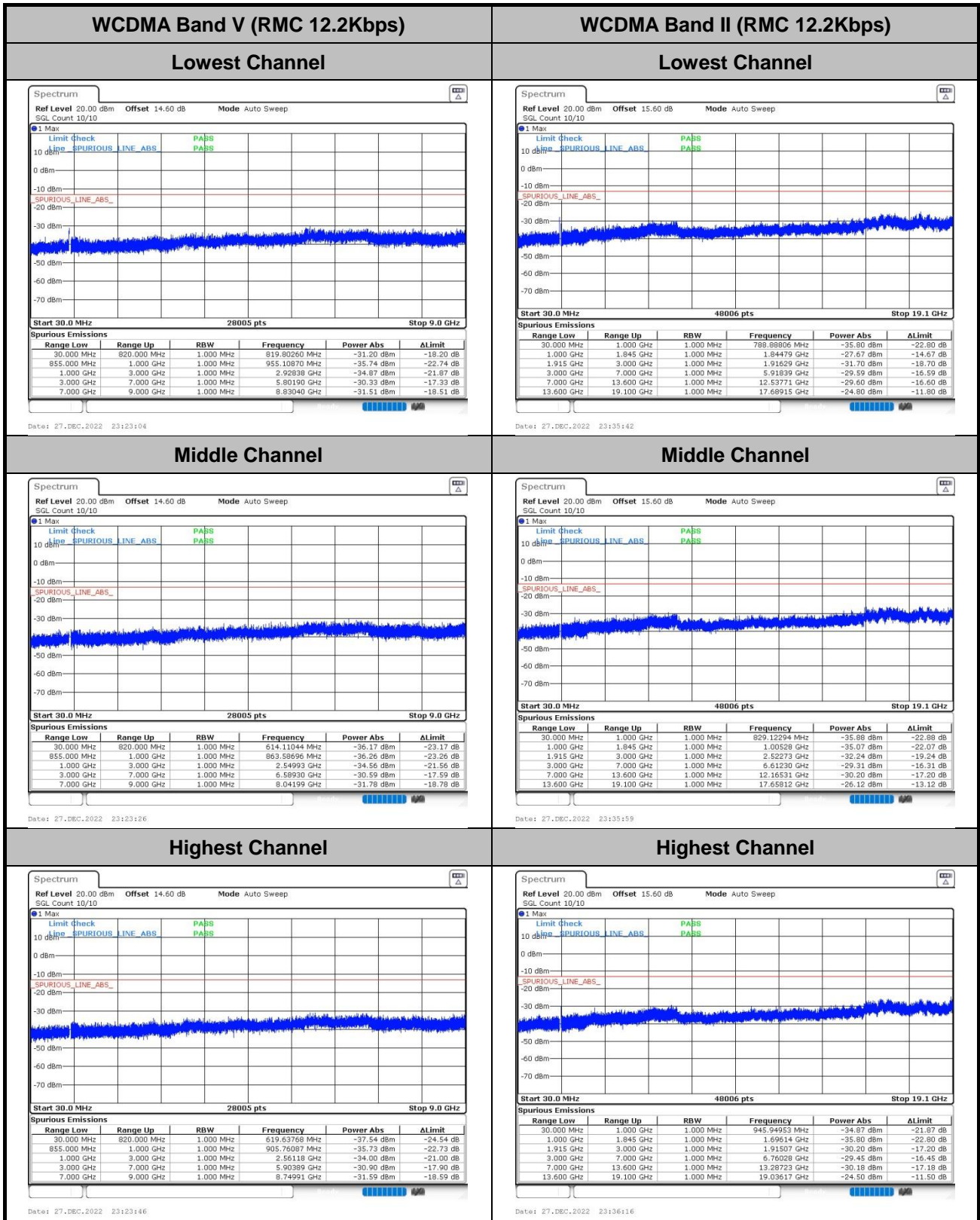
Date: 27.DEC.2022 23:47:59



Date: 27.DEC.2022 23:48:40



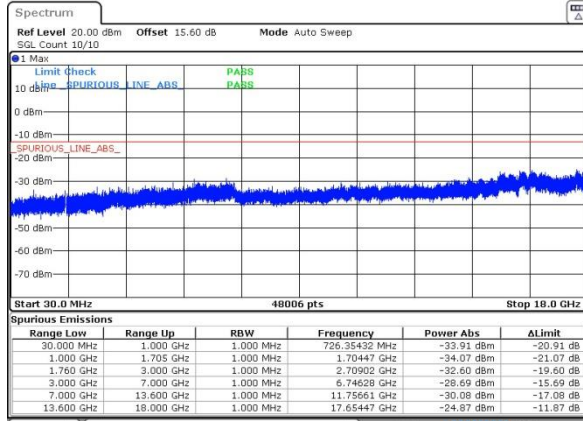
Conducted Spurious Emission





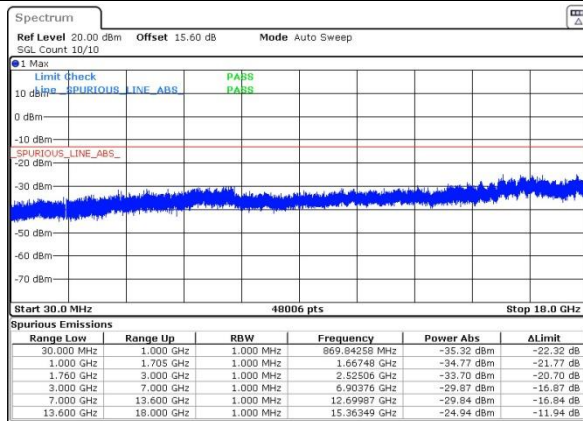
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



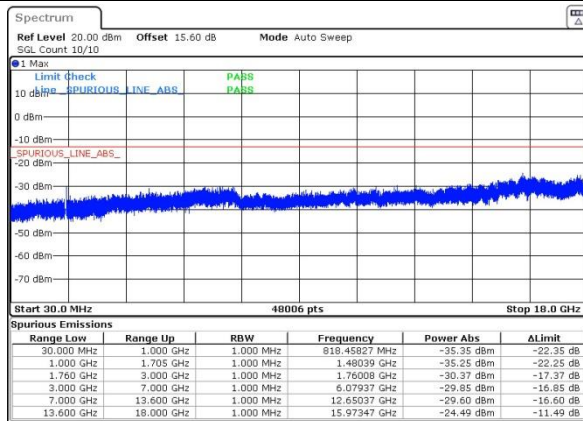
Date: 27.DEC.2022 23:48:58

Middle Channel



Date: 27.DEC.2022 23:49:11

Highest Channel



Date: 27.DEC.2022 23:49:26



Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2KbpsRMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0058	PASS
40	Normal Voltage	0.0377	
30	Normal Voltage	0.0485	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0344	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0141	
-30	Normal Voltage	0.0325	
20	Maximum Voltage	0.0418	
20	Normal Voltage	0.0176	
20	Battery End Point	0.0063	



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0169	PASS
40	Normal Voltage	0.0136	
30	Normal Voltage	0.0144	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0155	
0	Normal Voltage	0.0136	
-10	Normal Voltage	0.0247	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0169	
20	Maximum Voltage	0.0162	
20	Normal Voltage	0.0128	
20	Battery End Point	0.0019	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0048	PASS
40	Normal Voltage	0.0146	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0172	
-20	Normal Voltage	0.0163	
-30	Normal Voltage	0.0061	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0029	
20	Battery End Point	0.0118	

Note:

1. Normal Voltage = 3.89V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.48V
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 :	Carry Xu	Temperature :	22~23°C
		Relative Humidity :	40~42%

RSE pretest with Ant.0 / Ant.3, only the worst Antennas are shown in the report.

GSM850 (GSM) / Ant.0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-55.21	-13	-42.21	-58.45	1.11	6.50	H
	2473	-59.45	-13	-46.45	-62.07	1.43	6.20	H
	3297	-57.63	-13	-44.63	-62.07	1.71	8.30	H
	1648	-56.84	-13	-43.84	-60.08	1.11	6.50	V
	2473	-57.69	-13	-44.69	-60.31	1.43	6.20	V
	3296	-57.24	-13	-44.24	-61.68	1.71	8.30	V
Middle	1672	-55.92	-13	-42.92	-59.16	1.11	6.50	H
	2510	-58.83	-13	-45.83	-61.45	1.43	6.20	H
	3352	-57.27	-13	-44.27	-61.71	1.71	8.30	H
	1672	-58.20	-13	-45.20	-61.44	1.11	6.50	V
	2510	-58.74	-13	-45.74	-61.36	1.43	6.20	V
	3348	-57.10	-13	-44.10	-61.54	1.71	8.30	V
Highest	1696	-58.89	-13	-45.89	-62.13	1.11	6.50	H
	2544	-58.83	-13	-45.83	-61.45	1.43	6.20	H
	3392	-59.34	-13	-46.34	-63.78	1.71	8.30	H
	1696	-61.88	-13	-48.88	-65.12	1.11	6.50	V
	2546	-59.54	-13	-46.54	-62.16	1.43	6.20	V
	3395	-57.73	-13	-44.73	-62.17	1.71	8.30	V

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



GSM850 (EDGE) / Ant.0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-55.16	-13	-42.16	-58.40	1.11	6.50	H
	2472	-59.60	-13	-46.60	-62.22	1.43	6.20	H
	3296	-58.42	-13	-45.42	-62.86	1.71	8.30	H
	1648	-57.70	-13	-44.70	-60.94	1.11	6.50	V
	2472	-59.51	-13	-46.51	-62.13	1.43	6.20	V
	3296	-58.29	-13	-45.29	-62.73	1.71	8.30	V
Middle	1672	-57.22	-13	-44.22	-60.46	1.11	1672	H
	2510	-59.00	-13	-46.00	-61.62	1.43	2510	H
	3344	-57.41	-13	-44.41	-61.85	1.71	3344	H
	1672	-59.08	-13	-46.08	-62.32	1.11	1672	V
	2510	-58.76	-13	-45.76	-61.38	1.43	2510	V
	3345	-58.02	-13	-45.02	-62.46	1.71	3345	V
Highest	1696	-58.23	-13	-45.23	-61.47	1.11	6.50	H
	2544	-57.33	-13	-44.33	-59.95	1.43	6.20	H
	3392	-57.36	-13	-44.36	-61.80	1.71	8.30	H
	1696	-60.61	-13	-47.61	-63.85	1.11	6.50	V
	2546	-57.83	-13	-44.83	-60.45	1.43	6.20	V
	3395	-56.96	-13	-43.96	-61.40	1.71	8.30	V

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



GSM1900 (GSM) / Ant.0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-65.22	-13	-52.22	-71.48	1.84	8.10	H
	5550	-63.65	-13	-50.65	-71.96	2.19	10.50	H
	7395	-61.85	-13	-48.85	-70.77	2.58	11.50	H
	3705	-65.12	-13	-52.12	-71.38	1.84	8.10	V
	5550	-63.65	-13	-50.65	-71.96	2.19	10.50	V
	7395	-61.71	-13	-48.71	-70.63	2.58	11.50	V
Middle	3765	-64.99	-13	-51.99	-71.25	1.84	8.10	H
	5640	-63.45	-13	-50.45	-71.76	2.19	10.50	H
	7515	-61.58	-13	-48.58	-70.50	2.58	11.50	H
	3765	-65.15	-13	-52.15	-71.41	1.84	8.10	V
	5640	-63.38	-13	-50.38	-71.69	2.19	10.50	V
	7515	-61.83	-13	-48.83	-70.75	2.58	11.50	V
Highest	3825	-65.19	-13	-52.19	-71.45	1.84	8.10	H
	5730	-63.42	-13	-50.42	-71.73	2.19	10.50	H
	7635	-61.63	-13	-48.63	-70.55	2.58	11.50	H
	3825	-65.08	-13	-52.08	-71.34	1.84	8.10	V
	5730	-63.33	-13	-50.33	-71.64	2.19	10.50	V
	7635	-61.61	-13	-48.61	-70.53	2.58	11.50	V

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



GSM1900 (EDGE) / Ant.0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-65.12	-13	-52.12	-71.38	1.84	8.10	H
	5550	-63.51	-13	-50.51	-71.82	2.19	10.50	H
	7395	-61.73	-13	-48.73	-70.65	2.58	11.50	H
	3705	-65.08	-13	-52.08	-71.34	1.84	8.10	V
	5550	-63.36	-13	-50.36	-71.67	2.19	10.50	V
	7395	-61.67	-13	-48.67	-70.59	2.58	11.50	V
Middle	3765	-65.11	-13	-52.11	-71.37	1.84	8.10	H
	5640	-63.39	-13	-50.39	-71.70	2.19	10.50	H
	7515	-61.55	-13	-48.55	-70.47	2.58	11.50	H
	3765	-64.96	-13	-51.96	-71.22	1.84	8.10	V
	5640	-63.45	-13	-50.45	-71.76	2.19	10.50	V
	7515	-61.83	-13	-48.83	-70.75	2.58	11.50	V
Highest	3825	-65.01	-13	-52.01	-71.27	1.84	8.10	H
	5730	-63.05	-13	-50.05	-71.36	2.19	10.50	H
	7635	-61.50	-13	-48.50	-70.42	2.58	11.50	H
	3825	-65.08	-13	-52.08	-71.34	1.84	8.10	V
	5730	-63.17	-13	-50.17	-71.48	2.19	10.50	V
	7635	-61.67	-13	-48.67	-70.59	2.58	11.50	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)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1656	-63.80	-13	-50.80	-67.04	1.11	6.50	H
	2479	-60.20	-13	-47.20	-62.82	1.43	6.20	H
	3304	-58.30	-13	-45.30	-62.74	1.71	8.30	H
	1656	-63.41	-13	-50.41	-66.65	1.11	6.50	V
	2479	-59.45	-13	-46.45	-62.07	1.43	6.20	V
	3305	-58.52	-13	-45.52	-62.96	1.71	8.30	V
Middle	1672	-63.13	-13	-50.13	-66.37	1.11	6.50	H
	2510	-60.15	-13	-47.15	-62.77	1.43	6.20	H
	3344	-58.38	-13	-45.38	-62.82	1.71	8.30	H
	1672	-63.24	-13	-50.24	-66.48	1.11	6.50	V
	2510	-59.73	-13	-46.73	-62.35	1.43	6.20	V
	3345	-58.05	-13	-45.05	-62.49	1.71	8.30	V
Highest	1696	-63.44	-13	-50.44	-66.68	1.11	6.50	H
	2539	-60.30	-13	-47.30	-62.92	1.43	6.20	H
	3386	-58.71	-13	-45.71	-63.15	1.71	8.30	H
	1696	-63.11	-13	-50.11	-66.35	1.11	6.50	V
	2539	-59.80	-13	-46.80	-62.42	1.43	6.20	V
	3386	-58.75	-13	-45.75	-63.19	1.71	8.30	V

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



WCDMA Band II(RMC 12.2Kbps) / Ant.0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-64.20	-13	-51.20	-70.46	1.84	8.10	H
	5550	-54.32	-13	-41.32	-62.63	2.19	10.50	H
	7410	-61.69	-13	-48.69	-70.61	2.58	11.50	H
	3705	-64.33	-13	-51.33	-70.59	1.84	8.10	V
	5550	-56.05	-13	-43.05	-64.36	2.19	10.50	V
	7410	-61.46	-13	-48.46	-70.38	2.58	11.50	V
Middle	3765	-63.04	-13	-50.04	-69.30	1.84	8.10	H
	5640	-54.55	-13	-41.55	-62.86	2.19	10.50	H
	7515	-61.71	-13	-48.71	-70.63	2.58	11.50	H
	3765	-63.99	-13	-50.99	-70.25	1.84	8.10	V
	5640	-55.95	-13	-42.95	-64.26	2.19	10.50	V
	7515	-61.79	-13	-48.79	-70.71	2.58	11.50	V
Highest	3810	-62.20	-13	-49.20	-68.46	1.84	8.10	H
	5730	-56.02	-13	-43.02	-64.33	2.19	10.50	H
	7635	-61.29	-13	-48.29	-70.21	2.58	11.50	H
	3810	-63.90	-13	-50.90	-70.16	1.84	8.10	V
	5730	-56.17	-13	-43.17	-64.48	2.19	10.50	V
	7635	-61.34	-13	-48.34	-70.26	2.58	11.50	V

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



WCDMA Band IV(RMC 12.2Kbps) / Ant.0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-64.34	-13	-51.34	-71.03	1.75	8.44	H
	5130	-53.53	-13	-40.53	-61.95	1.94	10.36	H
	6855	-60.61	-13	-47.61	-69.85	2.47	11.71	H
	3420	-63.67	-13	-50.67	-70.36	1.75	8.44	V
	5130	-55.50	-13	-42.50	-63.92	1.94	10.36	V
	6855	-61.07	-13	-48.07	-70.31	2.47	11.71	V
Middle	3465	-64.08	-13	-51.08	-70.77	1.75	8.44	H
	5190	-52.89	-13	-39.89	-61.31	1.94	10.36	H
	6930	-60.04	-13	-47.04	-69.28	2.47	11.71	H
	3465	-63.15	-13	-50.15	-69.84	1.75	8.44	V
	5190	-54.67	-13	-41.67	-63.09	1.94	10.36	V
	6930	-61.14	-13	-48.14	-70.38	2.47	11.71	V
Highest	3510	-63.57	-13	-50.57	-70.26	1.75	8.44	H
	5250	-53.05	-13	-40.05	-61.47	1.94	10.36	H
	7005	-60.14	-13	-47.14	-69.38	2.47	11.71	H
	3510	-61.63	-13	-48.63	-68.32	1.75	8.44	V
	5250	-54.64	-13	-41.64	-63.06	1.94	10.36	V
	7005	-61.18	-13	-48.18	-70.42	2.47	11.71	V

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