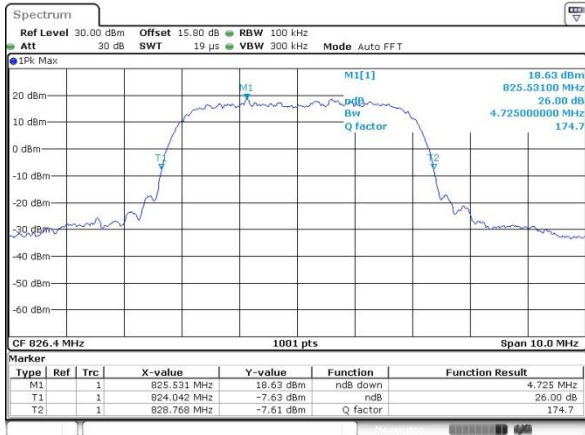




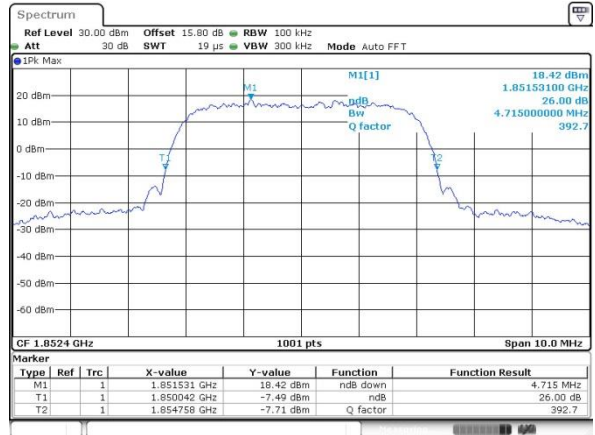
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

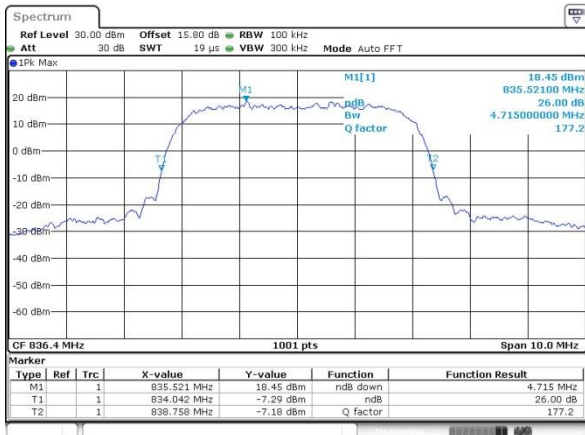


WCDMA Band II (RMC 12.2Kbps)

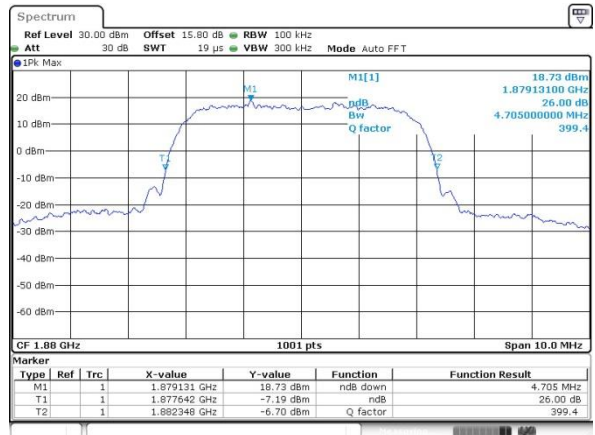
Lowest Channel



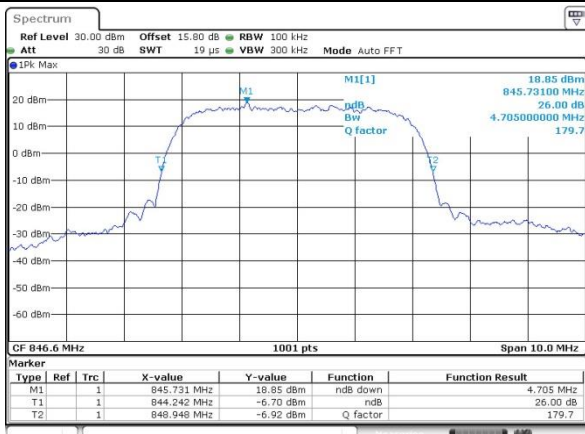
Middle Channel



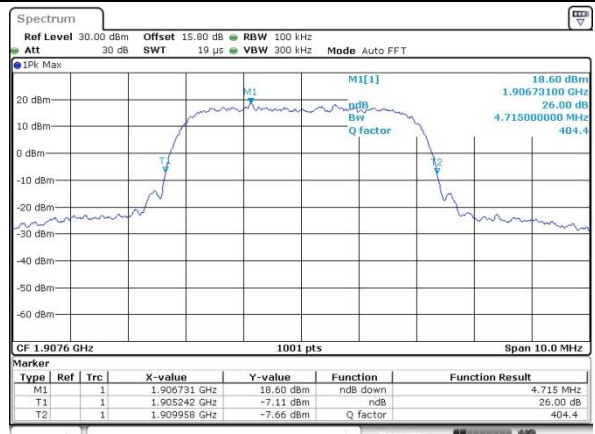
Middle Channel

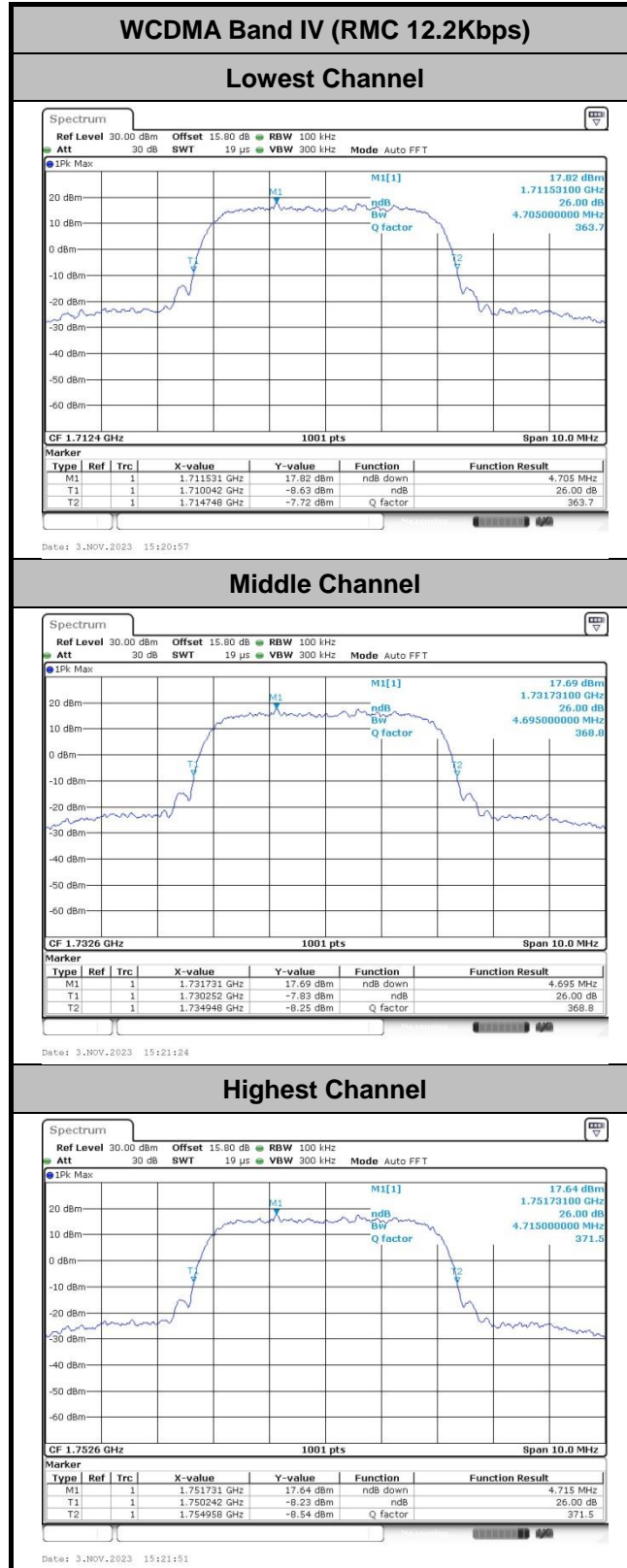


Highest Channel



Highest Channel







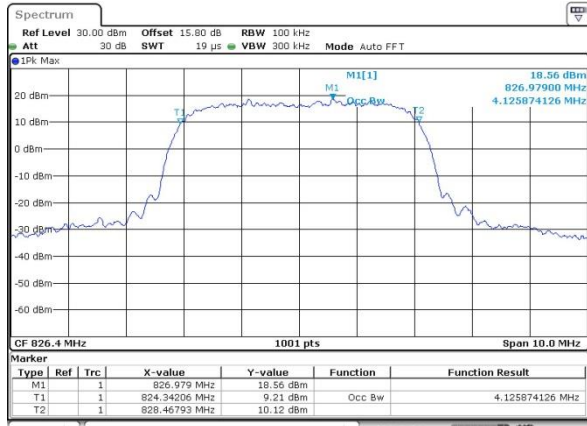
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.126	4.136	4.146
Middle CH	4.126	4.146	4.146
Highest CH	4.126	4.146	4.146



WCDMA Band V (RMC 12.2Kbps)

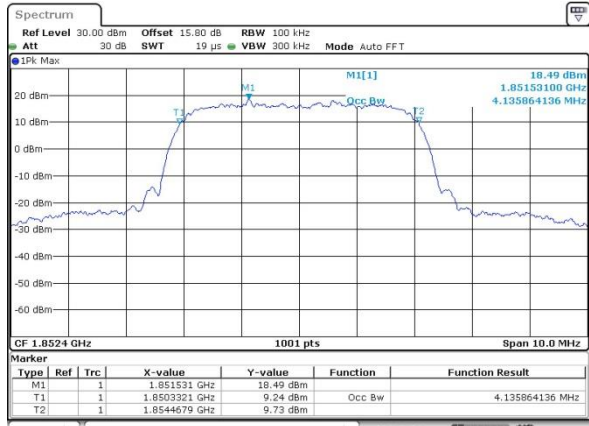
Lowest Channel



Date: 3.NOV.2023 15:45:14

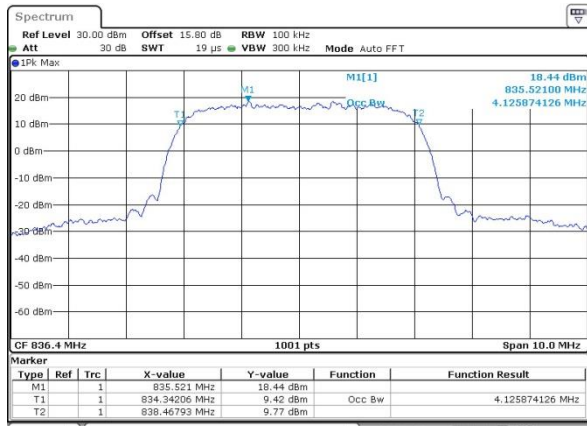
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



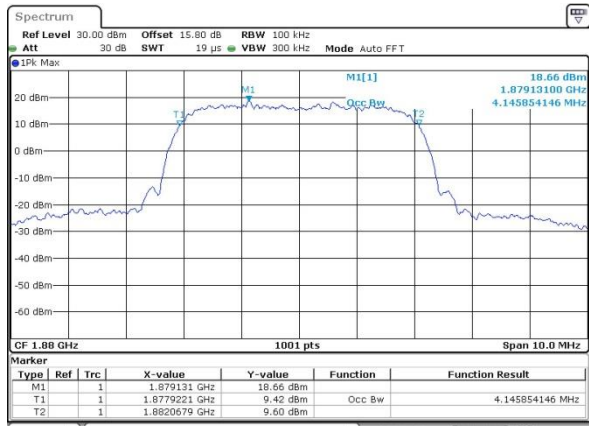
Date: 3.NOV.2023 14:58:29

Middle Channel



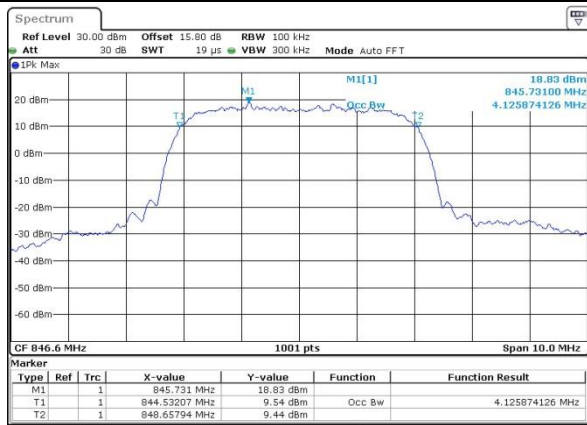
Date: 3.NOV.2023 15:45:14

Middle Channel



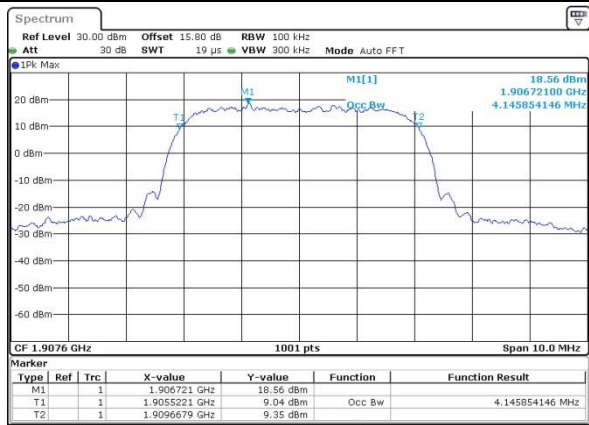
Date: 3.NOV.2023 14:59:13

Highest Channel

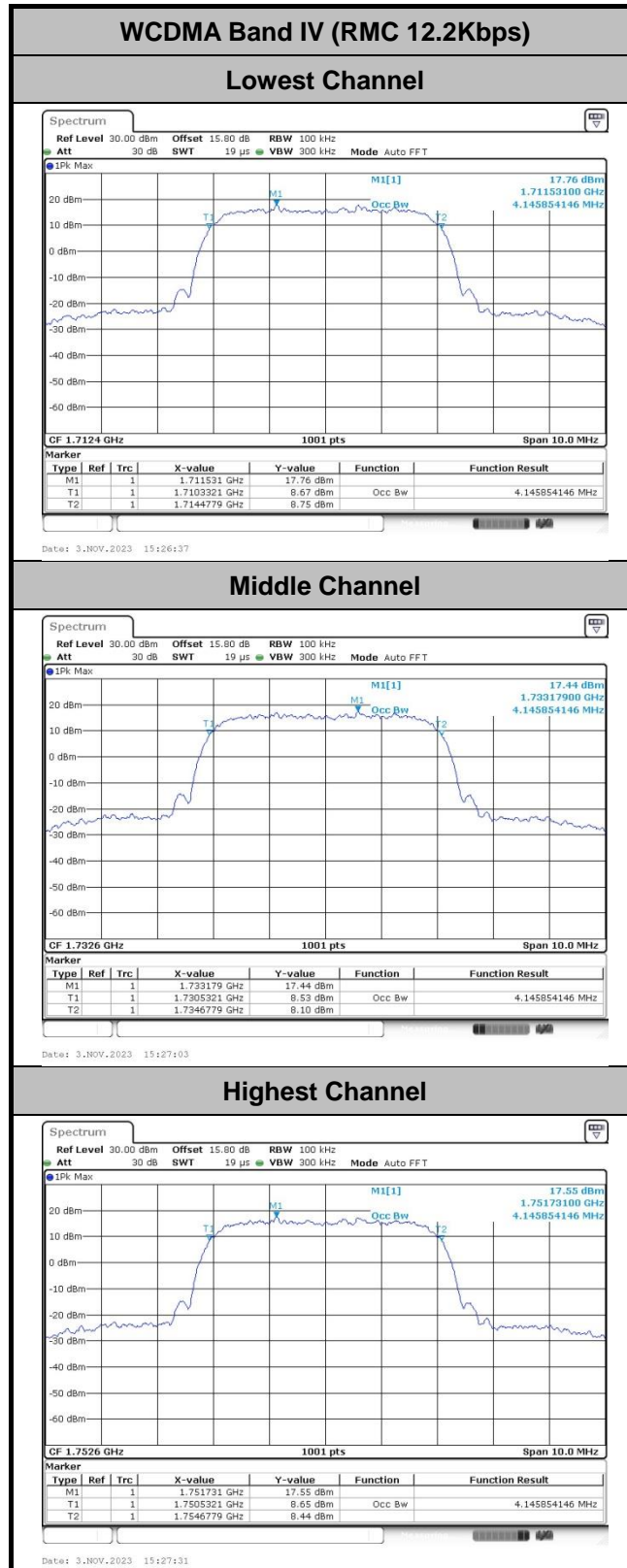


Date: 3.NOV.2023 15:46:11

Highest Channel

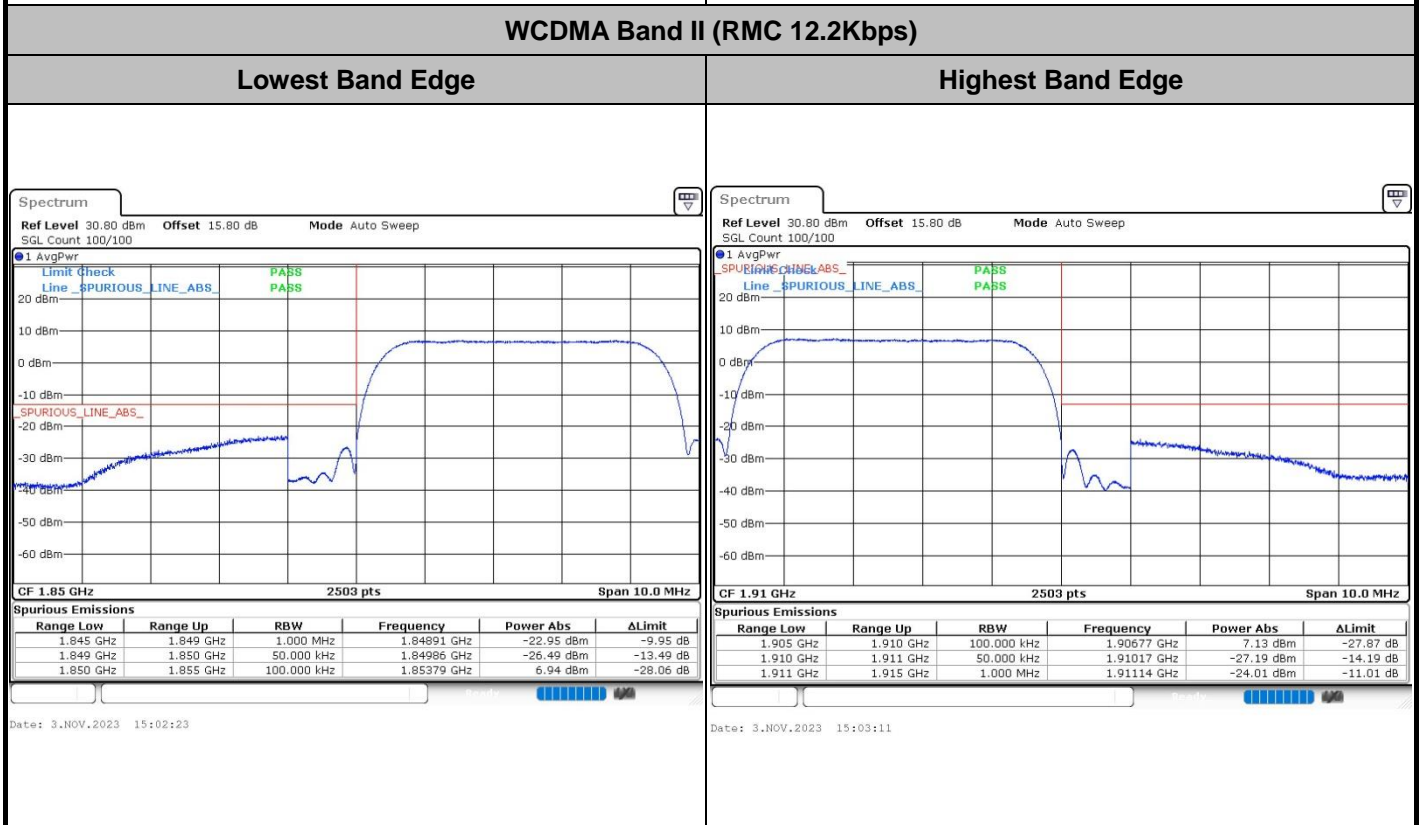
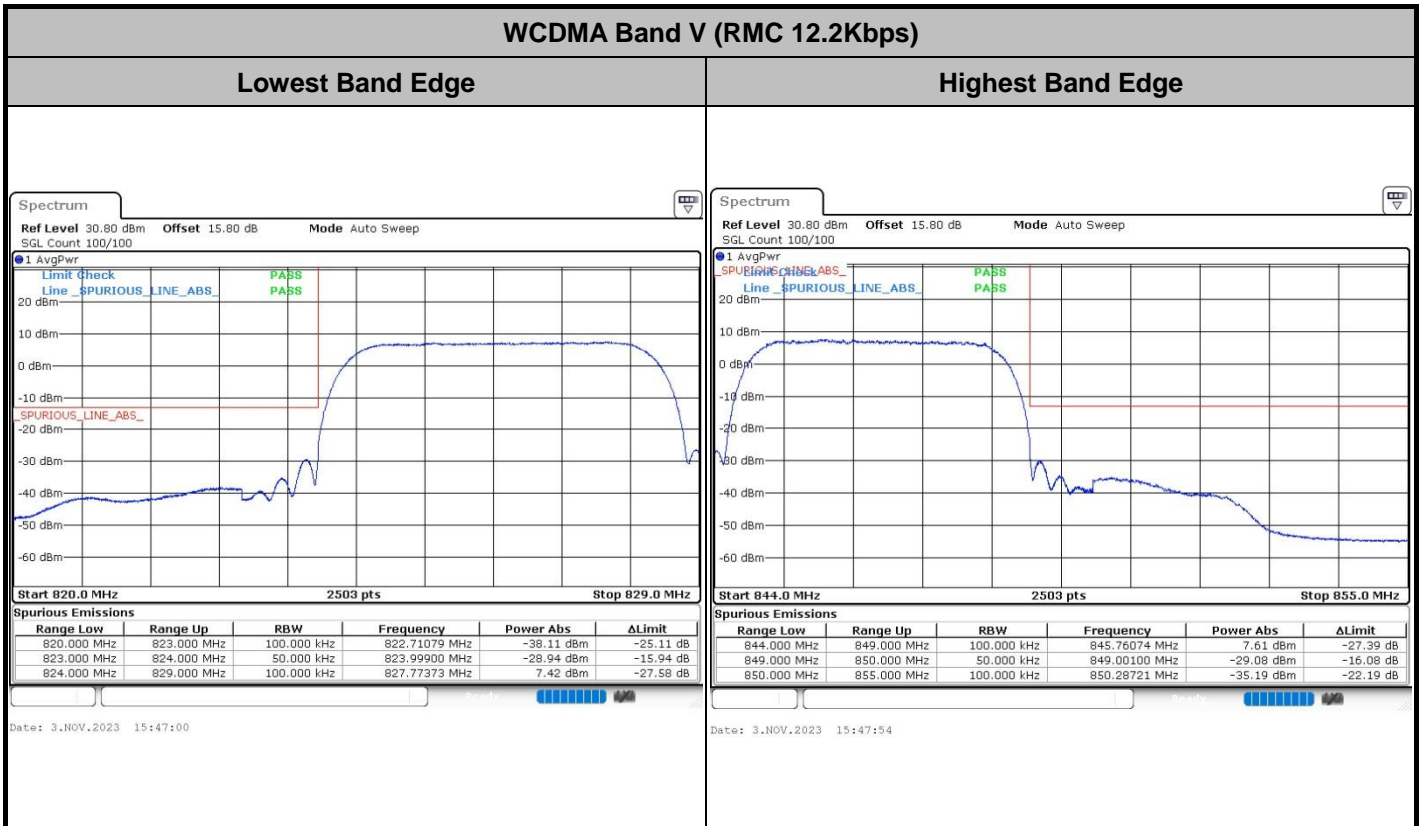


Date: 3.NOV.2023 14:59:40





Conducted Band Edge

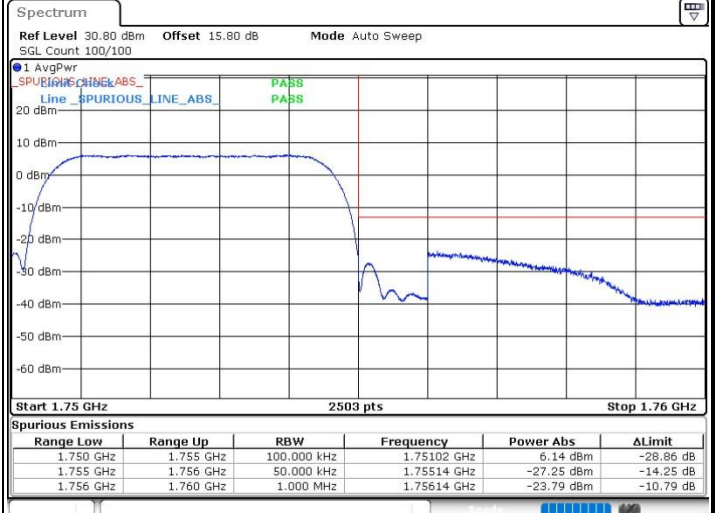
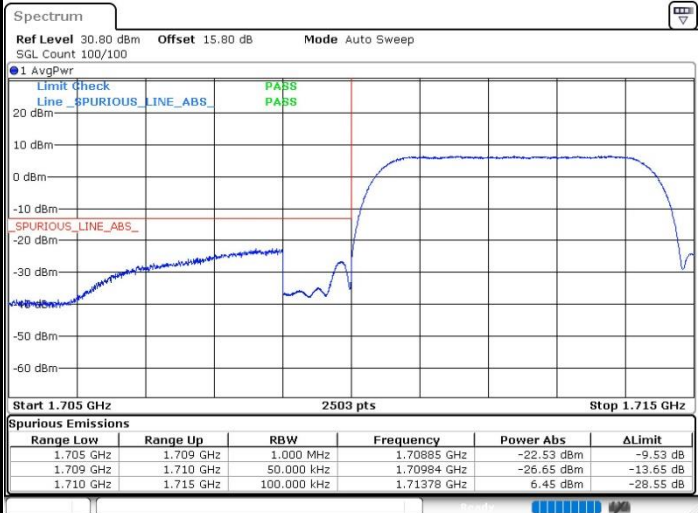




WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge

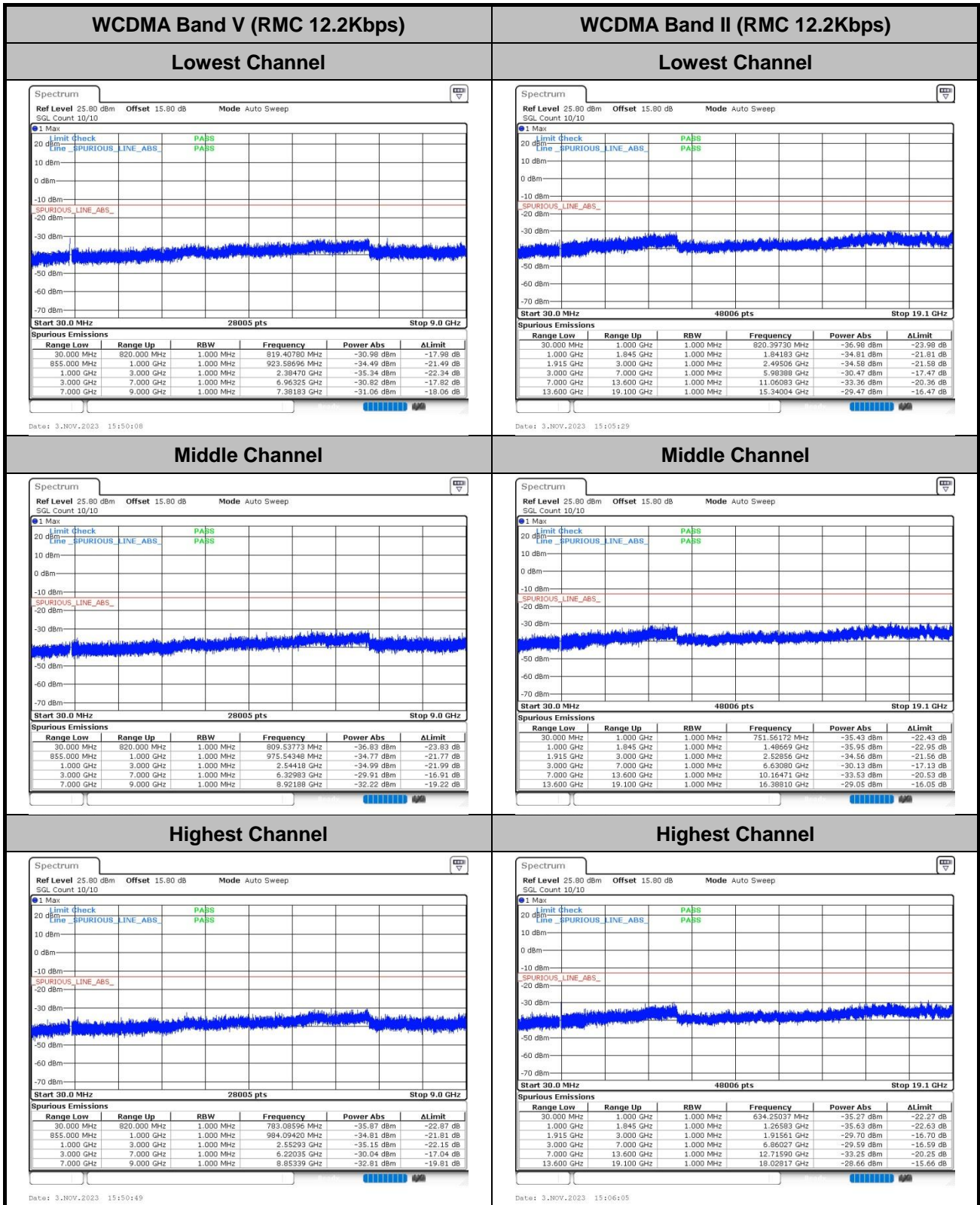


Date: 3.NOV.2023 15:28:12

Date: 3.NOV.2023 15:28:55



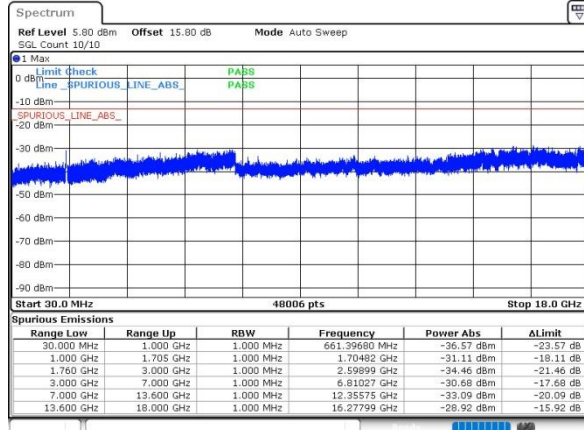
Conducted Spurious Emission





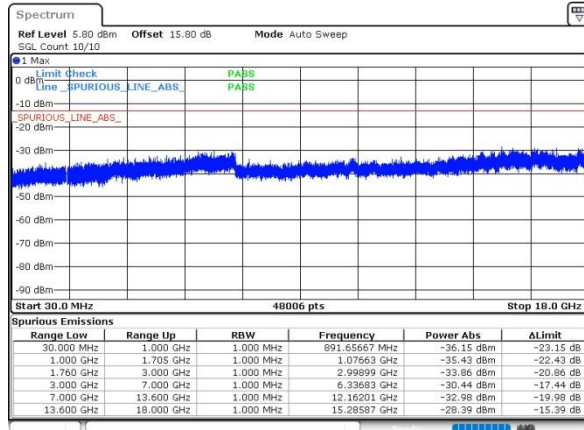
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



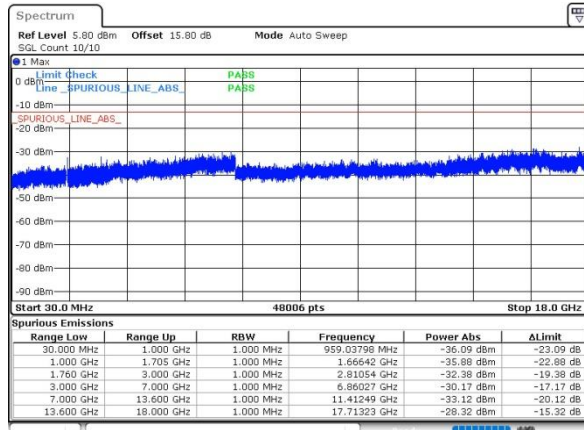
Date: 3.NOV.2023 15:31:30

Middle Channel



Date: 3.NOV.2023 15:31:48

Highest Channel



Date: 3.NOV.2023 15:32:07



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	0.0042	PASS
40	Normal Voltage	0.0365	
30	Normal Voltage	0.0491	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0052	
0	Normal Voltage	0.0334	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0118	
-30	Normal Voltage	0.0249	
20	Maximum Voltage	0.0483	
20	Normal Voltage	0.0128	
20	Battery End Point	0.0069	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0138	PASS
40	Normal Voltage	0.0246	
30	Normal Voltage	0.0184	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0378	
0	Normal Voltage	0.0058	
-10	Normal Voltage	0.0249	
-20	Normal Voltage	0.0066	
-30	Normal Voltage	0.0048	
20	Maximum Voltage	0.0163	
20	Normal Voltage	0.0276	
20	Battery End Point	0.0014	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0159	
0	Normal Voltage	0.0052	
-10	Normal Voltage	0.0184	
-20	Normal Voltage	0.0248	
-30	Normal Voltage	0.0263	
20	Maximum Voltage	0.0046	
20	Normal Voltage	0.0051	
20	Battery End Point	0.0138	

Note:

1. Normal Voltage = 3.91V ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.5V
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 :	Chris Chen	Temperature :	23~25°C
		Relative Humidity :	41~42%

GSM850 (GSM)								
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	-58.86	-13	-45.86	-65.83	1.58	10.70	H
	2472	-60.38	-13	-47.38	-68.63	2.102	12.50	H
	3296	-59.74	-13	-46.74	-68.63	2.856	13.90	H
	1648	-54.05	-13	-41.05	-61.02	1.58	10.70	V
	2472	-51.75	-13	-38.75	-60.00	2.10	12.50	V
	3296	-59.68	-13	-46.68	-68.57	2.86	13.90	V
Middle	1672	-57.49	-13	-44.49	-64.46	1.58	10.70	H
	2512	-59.54	-13	-46.54	-67.79	2.102	12.50	H
	3344	-61.44	-13	-48.44	-70.33	2.856	13.90	H
	1672	-59.21	-13	-46.21	-66.18	1.58	10.70	V
	2512	-54.17	-13	-41.17	-62.42	2.10	12.50	V
	3344	-59.40	-13	-46.40	-68.29	2.86	13.90	V
Highest	1696	-61.69	-13	-48.69	-68.66	1.58	10.70	H
	2544	-57.70	-13	-44.70	-65.95	2.102	12.50	H
	3392	-61.66	-13	-48.66	-70.55	2.856	13.90	H
	1696	-60.88	-13	-47.88	-67.85	1.58	10.70	V
	2544	-52.53	-13	-39.53	-60.78	2.10	12.50	V
	3392	-61.67	-13	-48.67	-70.56	2.86	13.90	V



GSM850 (EDGE 1 Tx slots)								
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	-64.52	-13	-51.52	-71.49	1.58	10.70	H
	2472	-57.66	-13	-44.66	-65.91	2.102	12.50	H
	3296	-62.25	-13	-49.25	-71.14	2.856	13.90	H
	1648	-63.51	-13	-50.51	-70.48	1.58	10.70	V
	2472	-55.86	-13	-42.86	-64.11	2.10	12.50	V
	3296	-62.19	-13	-49.19	-71.08	2.86	13.90	V
Middle	1672	-62.32	-13	-49.32	-69.29	1.58	10.70	H
	2512	-60.90	-13	-47.90	-69.15	2.102	12.50	H
	3344	-61.98	-13	-48.98	-70.87	2.856	13.90	H
	1672	-63.58	-13	-50.58	-70.55	1.58	10.70	V
	2512	-53.36	-13	-40.36	-61.61	2.10	12.50	V
	3344	-61.65	-13	-48.65	-70.54	2.86	13.90	V
Highest	1696	-61.06	-13	-48.06	-68.03	1.58	10.70	H
	2544	-57.06	-13	-44.06	-65.31	2.102	12.50	H
	3392	-61.93	-13	-48.93	-70.82	2.856	13.90	H
	1696	-62.97	-13	-49.97	-69.94	1.58	10.70	V
	2544	-56.89	-13	-43.89	-65.14	2.10	12.50	V
	3392	-61.89	-13	-48.89	-70.78	2.86	13.90	V



GSM1900 (GSM)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-64.14	-13	-51.14	-70.09	2.39	8.34	H
	5550	-61.05	-13	-48.05	-67.48	2.97	9.40	H
	7398	-60.47	-13	-47.47	-68.41	3.40	11.34	H
	9252	-49.72	-13	-36.72	-58.07	3.89	12.24	H
	3702	-63.63	-13	-50.63	-69.58	2.39	8.34	V
	5550	-61.48	-13	-48.48	-67.91	2.97	9.40	V
	7398	-59.95	-13	-46.95	-67.89	3.40	11.34	V
	9252	-50.71	-13	-37.71	-59.06	3.89	12.24	V
Middle	3822	-61.28	-13	-48.28	-67.23	2.39	8.34	H
	5730	-62.37	-13	-49.37	-68.80	2.97	9.40	H
	7638	-60.21	-13	-47.21	-68.15	3.40	11.34	H
	3822	-61.01	-13	-48.01	-66.96	2.39	8.34	V
	5730	-65.46	-13	-52.46	-71.89	2.97	9.40	V
	7638	-60.29	-13	-47.29	-68.23	3.40	11.34	V
Highest	3762	-59.94	-13	-46.94	-65.89	2.39	8.34	H
	5640	-60.84	-13	-47.84	-67.27	2.97	9.40	H
	7518	-59.93	-13	-46.93	-67.87	3.40	11.34	H
	9396	-52.49	-13	-39.49	-60.84	3.89	12.24	H
	3762	-61.86	-13	-48.86	-67.81	2.39	8.34	V
	5640	-62.78	-13	-49.78	-69.21	2.97	9.40	V
	7518	-59.73	-13	-46.73	-67.67	3.40	11.34	V
	9396	-53.58	-13	-40.58	-61.93	3.89	12.24	V



GSM1900 (EDGE 1 Tx slots)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-64.55	-13	-51.55	-70.50	2.39	8.34	H
	5550	-60.33	-13	-47.33	-66.76	2.97	9.40	H
	7398	-60.12	-13	-47.12	-68.06	3.40	11.34	H
	9252	-48.64	-13	-35.64	-56.99	3.89	12.24	H
	11101.2	-53.61	-13	-40.61	-61.78	4.27	12.44	H
	3702	-64.59	-13	-51.59	-70.54	2.39	8.34	V
	5550	-59.86	-13	-46.86	-66.29	2.97	9.40	V
	7398	-60.05	-13	-47.05	-67.99	3.40	11.34	V
	9252	-50.76	-13	-37.76	-59.11	3.89	12.24	V
11101.2	-53.16	-13	-40.16	-61.33	4.27	12.44	V	
Middle	3822	-63.74	-13	-50.74	-69.69	2.39	8.34	H
	5730	-60.56	-13	-47.56	-66.99	2.97	9.40	H
	7638	-59.71	-13	-46.71	-67.65	3.40	11.34	H
	3822	-65.11	-13	-52.11	-71.06	2.39	8.34	V
	5730	-61.97	-13	-48.97	-68.40	2.97	9.40	V
	7638	-59.85	-13	-46.85	-67.79	3.40	11.34	V
Highest	3760	-65.10	-13	-52.10	-71.05	2.39	8.34	H
	5640	-62.63	-13	-49.63	-69.06	2.97	9.40	H
	7520	-60.43	-13	-47.43	-68.37	3.40	11.34	H
	3760	-64.91	-13	-51.91	-70.86	2.39	8.34	V
	5640	-61.09	-13	-48.09	-67.52	2.97	9.40	V
	7520	-59.73	-13	-46.73	-67.67	3.40	11.34	V



WCDMA Band V(RMC 12.2Kbps)								
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	-67.45	-13	-54.45	-74.42	1.58	10.70	H
	2480	-63.66	-13	-50.66	-71.91	2.102	12.50	H
	3304	-62.62	-13	-49.62	-71.51	2.856	13.90	H
	1656	-65.49	-13	-52.49	-72.46	1.58	10.70	V
	2480	-58.66	-13	-45.66	-66.91	2.10	12.50	V
	3304	-61.55	-13	-48.55	-70.44	2.86	13.90	V
Middle	1672	-66.09	-13	-53.09	-73.06	1.58	10.70	H
	2512	-61.33	-13	-48.33	-69.58	2.102	12.50	H
	3344	-61.75	-13	-48.75	-70.64	2.856	13.90	H
	1672	-64.83	-13	-51.83	-71.80	1.58	10.70	V
	2512	-61.01	-13	-48.01	-69.26	2.10	12.50	V
	3344	-61.27	-13	-48.27	-70.16	2.86	13.90	V
Highest	1696	-65.47	-13	-52.47	-72.44	1.58	10.70	H
	2536	-61.50	-13	-48.50	-69.75	2.102	12.50	H
	3384	-61.40	-13	-48.40	-70.29	2.856	13.90	H
	1696	-64.58	-13	-51.58	-71.55	1.58	10.70	V
	2536	-61.09	-13	-48.09	-69.34	2.10	12.50	V
	3384	-61.86	-13	-48.86	-70.75	2.86	13.90	V

WCDMA Band II(RMC 12.2Kbps)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-65.37	-13	-52.37	-71.32	2.39	8.34	H
	5556	-63.41	-13	-50.41	-69.84	2.97	9.40	H
	7410	-60.59	-13	-47.59	-68.53	3.40	11.34	H
	3702	-65.11	-13	-52.11	-71.06	2.39	8.34	V
	5556	-63.71	-13	-50.71	-70.14	2.97	9.40	V
	7410	-60.42	-13	-47.42	-68.36	3.40	11.34	V
Middle	3762	-64.64	-13	-51.64	-70.59	2.39	8.34	H
	5640	-63.34	-13	-50.34	-69.77	2.97	9.40	H
	7518	-60.46	-13	-47.46	-68.40	3.40	11.34	H
	3762	-64.80	-13	-51.80	-70.75	2.39	8.34	V
	5640	-62.88	-13	-49.88	-69.31	2.97	9.40	V
	7518	-59.26	-13	-46.26	-67.20	3.40	11.34	V
Highest	3816	-65.54	-13	-52.54	-71.49	2.39	8.34	H
	5724	-65.34	-13	-52.34	-71.77	2.97	9.40	H
	7626	-60.47	-13	-47.47	-68.41	3.40	11.34	H
	3816	-65.08	-13	-52.08	-71.03	2.39	8.34	V
	5724	-64.87	-13	-51.87	-71.30	2.97	9.40	V
	7626	-59.52	-13	-46.52	-67.46	3.40	11.34	V



WCDMA Band IV(RMC 12.2Kbps)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3426	-68.10	-13	-55.10	-74.00	2.29	8.19	H
	5136	-64.56	-13	-51.56	-71.13	2.84	9.41	H
	6852	-63.32	-13	-50.32	-70.43	3.3	10.41	H
	3426	-68.51	-13	-55.51	-74.41	2.29	8.19	V
	5136	-64.34	-13	-51.34	-70.91	2.84	9.41	V
	6852	-62.86	-13	-49.86	-69.97	3.3	10.41	V
Middle	3468	-67.91	-13	-54.91	-73.81	2.29	8.19	H
	5196	-64.71	-13	-51.71	-71.28	2.84	9.41	H
	6930	-62.32	-13	-49.32	-69.43	3.3	10.41	H
	3468	-68.12	-13	-55.12	-74.02	2.29	8.19	V
	5196	-64.73	-13	-51.73	-71.30	2.84	9.41	V
	6930	-62.14	-13	-49.14	-69.25	3.3	10.41	V
Highest	3504	-67.56	-13	-54.56	-73.46	2.29	8.19	H
	5256	-64.36	-13	-51.36	-70.93	2.84	9.41	H
	7008	-61.41	-13	-48.41	-68.52	3.3	10.41	H
	3504	-67.92	-13	-54.92	-73.82	2.29	8.19	V
	5256	-64.55	-13	-51.55	-71.12	2.84	9.41	V
	7008	-60.78	-13	-47.78	-67.89	3.3	10.41	V

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