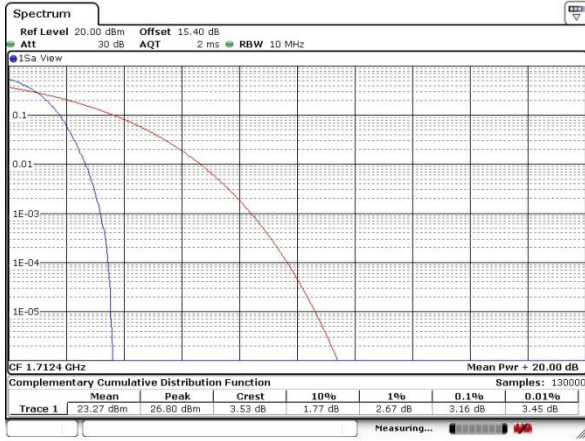




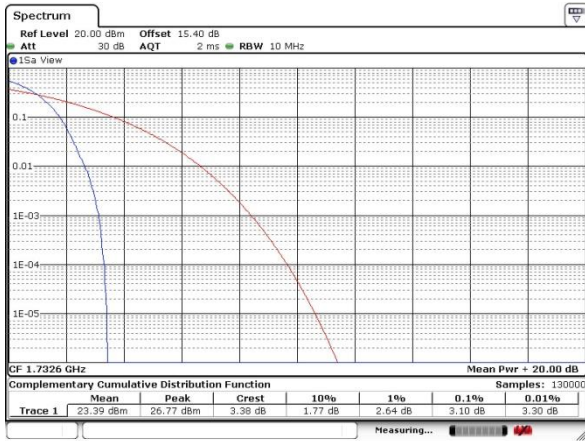
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



Date: 12 JUN 2022 16:01:59

Middle Channel



Date: 12 JUN 2022 16:02:18

Highest Channel



Date: 12 JUN 2022 16:02:33



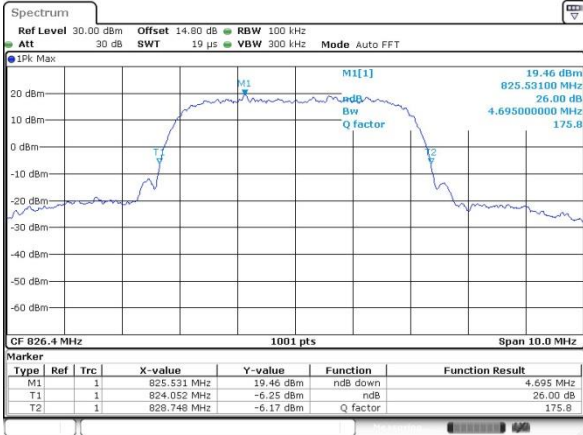
26dB Bandwidth

Mode	WCDMA Band V(MHz)	WCDMA Band II(MHz)	WCDMA Band IV(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.695	4.705	4.725
Middle CH	4.695	4.715	4.715
Highest CH	4.705	4.715	4.715



WCDMA Band V (RMC 12.2Kbps)

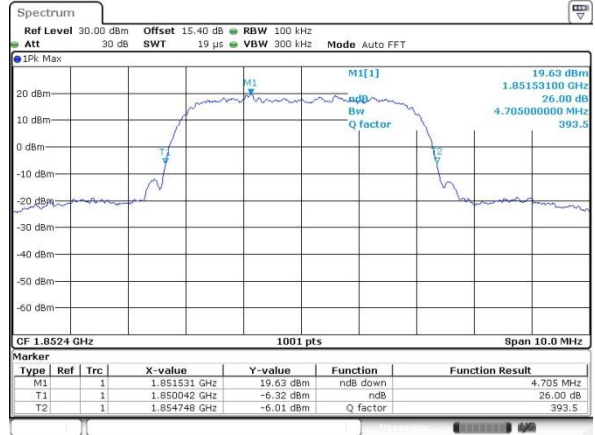
Lowest Channel



Date: 12 JUN 2022 14:59:51

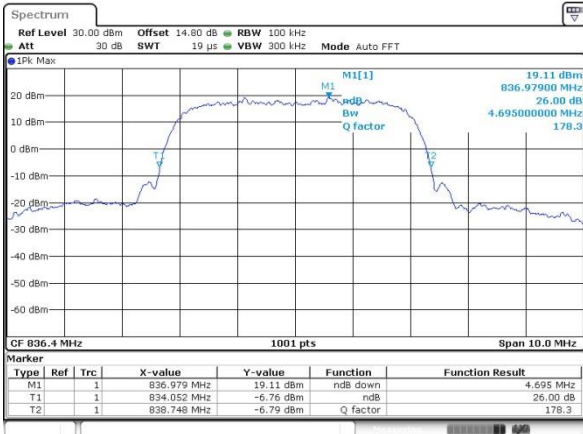
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



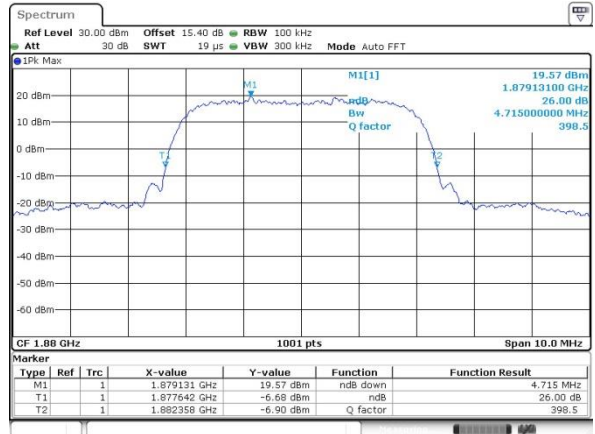
Date: 12 JUN 2022 15:21:34

Middle Channel



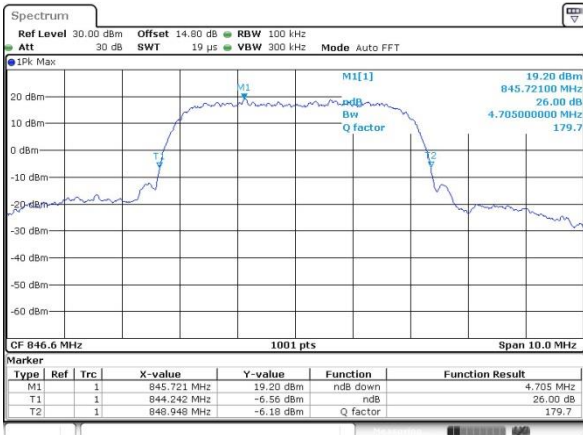
Date: 12 JUN 2022 15:09:41

Middle Channel



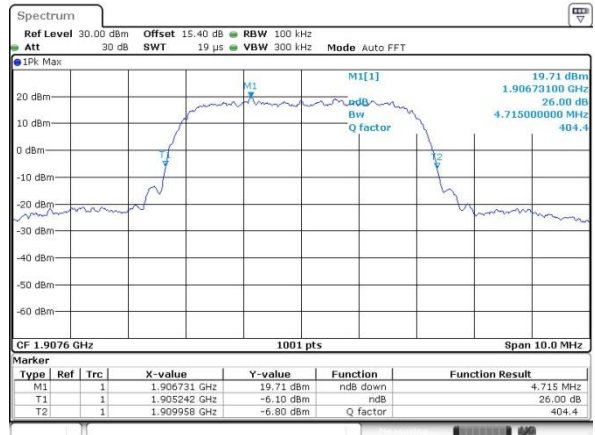
Date: 12 JUN 2022 15:22:03

Highest Channel



Date: 12 JUN 2022 15:01:14

Highest Channel

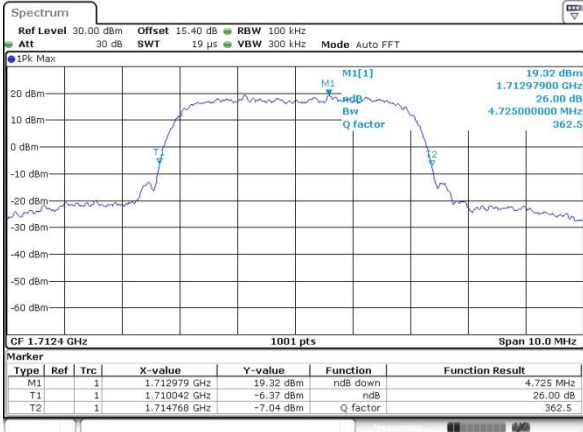


Date: 12 JUN 2022 15:22:38



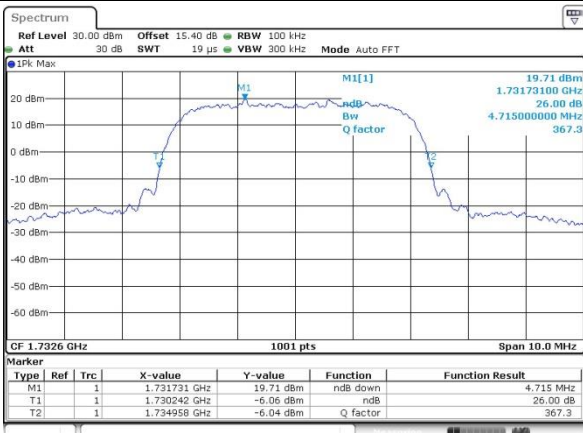
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



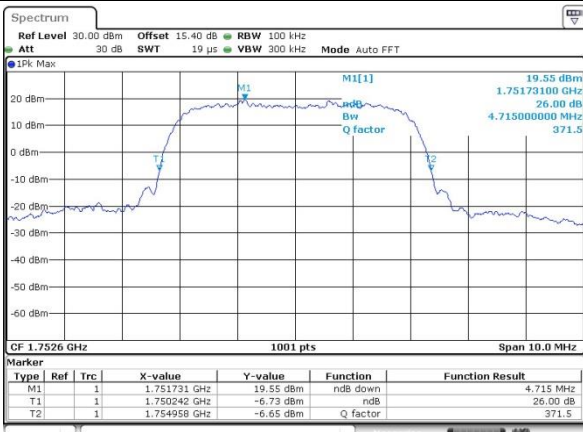
Date: 12 JUN 2022 15:41:58

Middle Channel



Date: 12 JUN 2022 15:42:21

Highest Channel

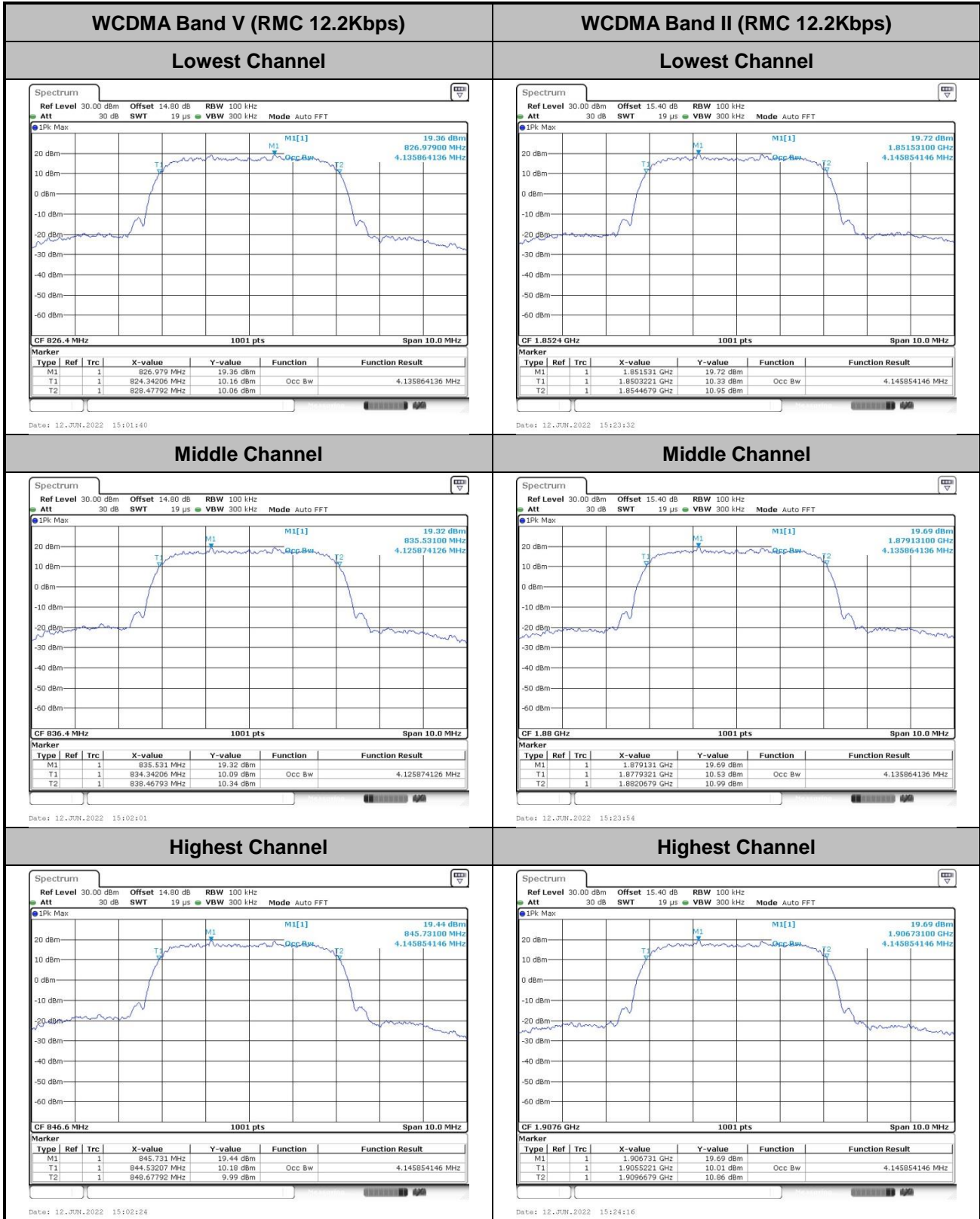


Date: 12 JUN 2022 15:42:43



Occupied Bandwidth

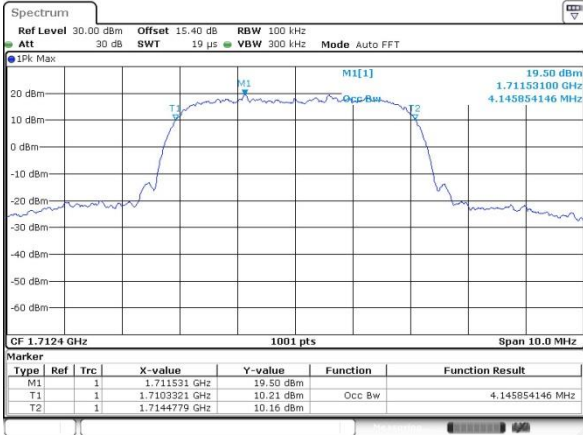
Mode	WCDMA Band V(MHz)	WCDMA Band II(MHz)	WCDMA Band IV(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.136	4.146	4.146
Middle CH	4.126	4.136	4.146
Highest CH	4.146	4.146	4.146





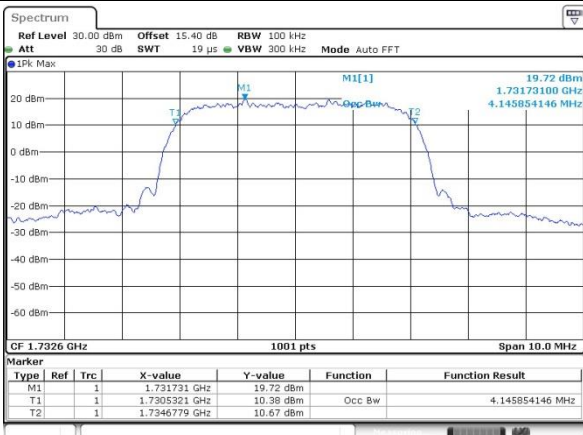
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



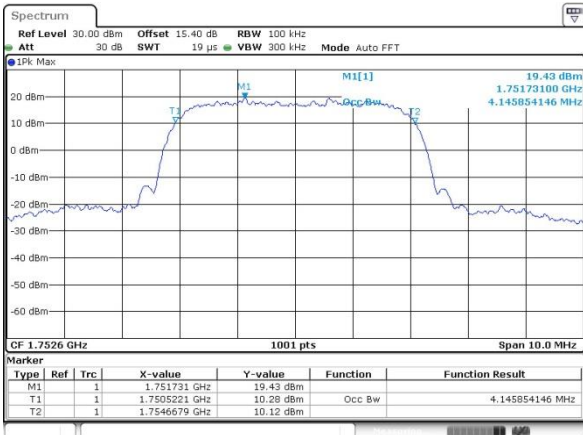
Date: 12 JUN 2022 15:43:14

Middle Channel



Date: 12 JUN 2022 15:43:37

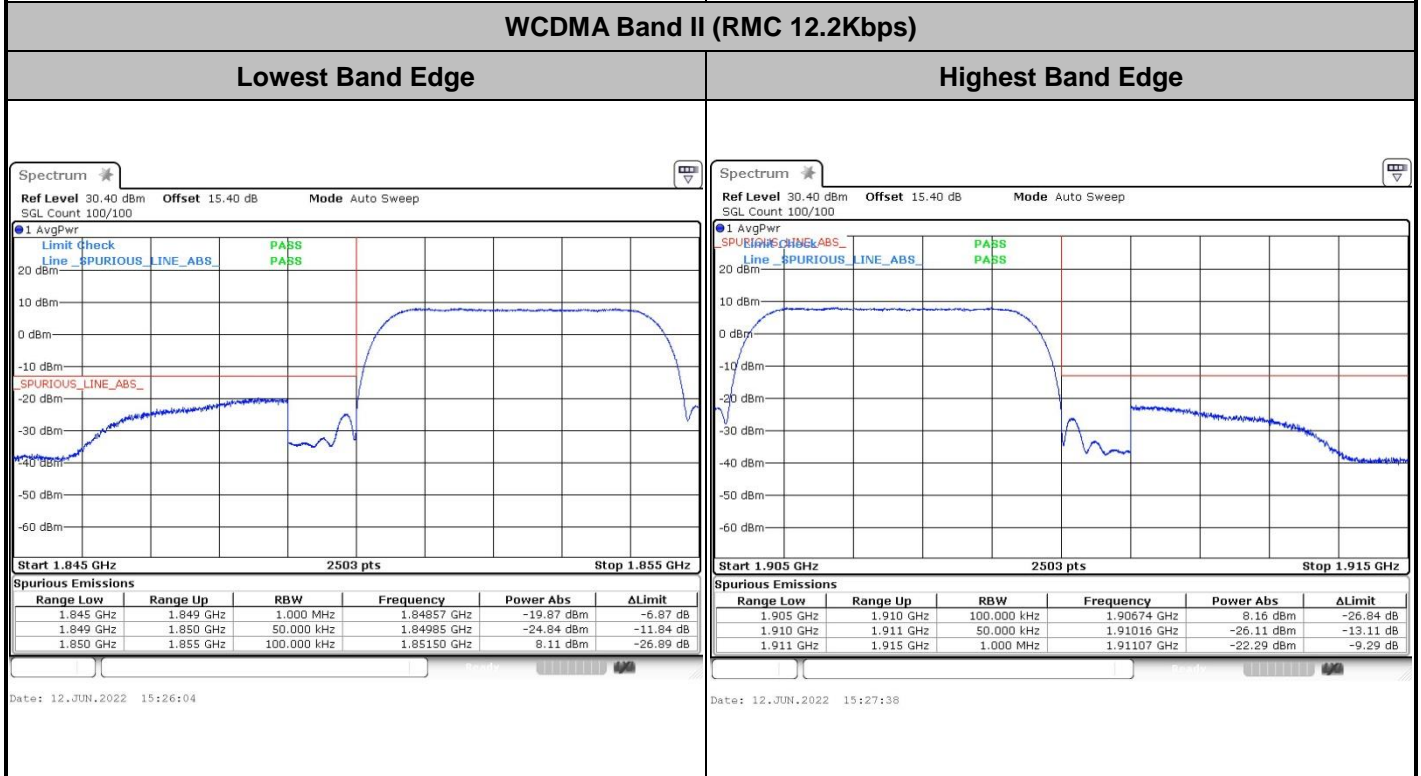
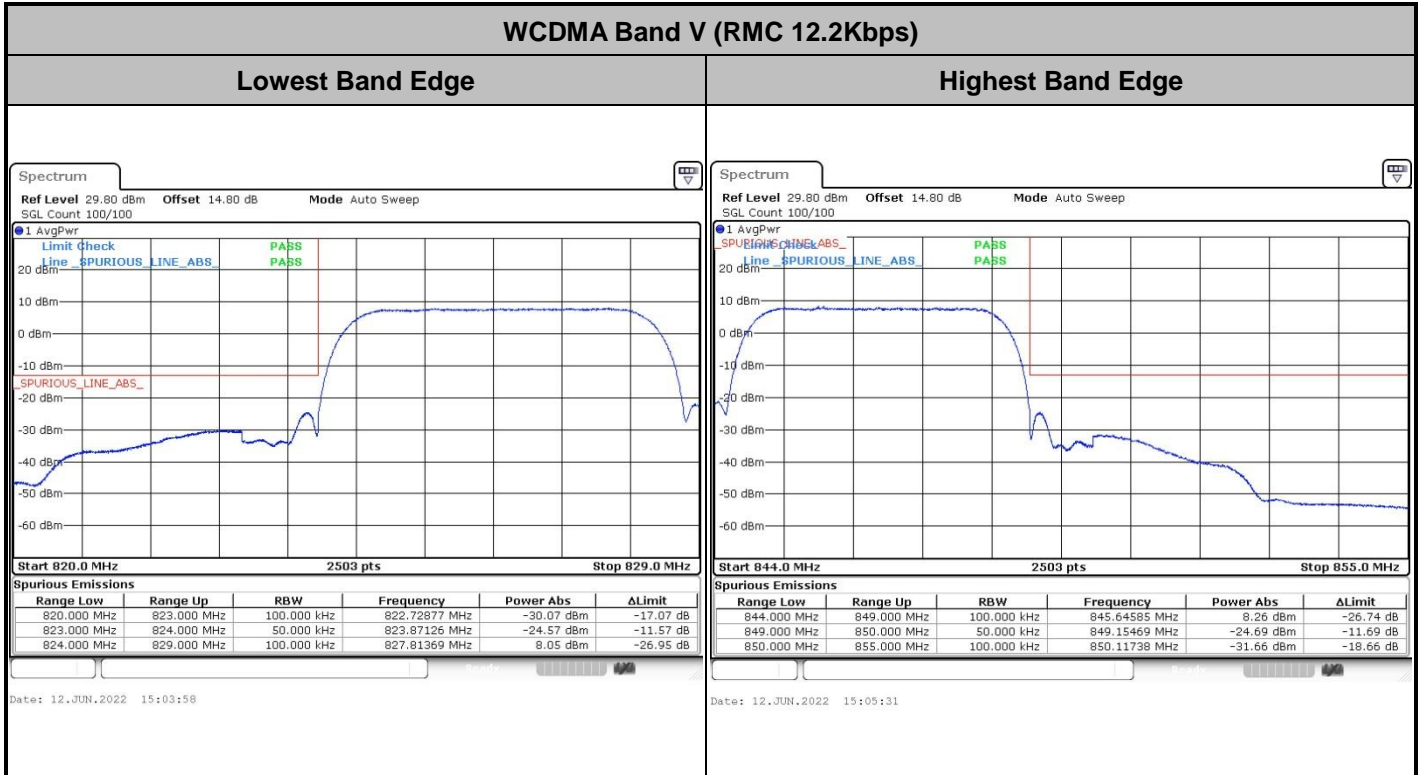
Highest Channel

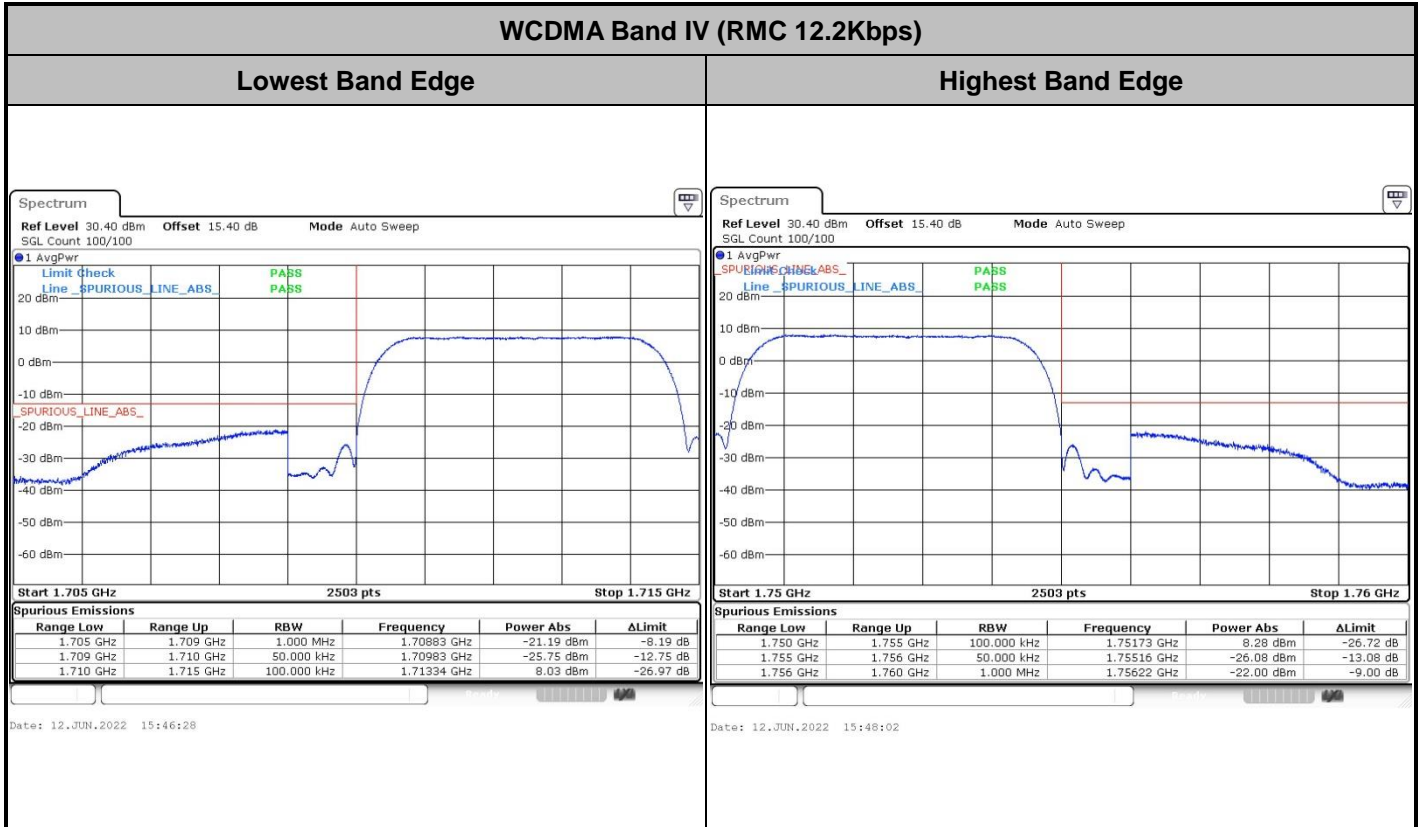


Date: 12 JUN 2022 15:44:26



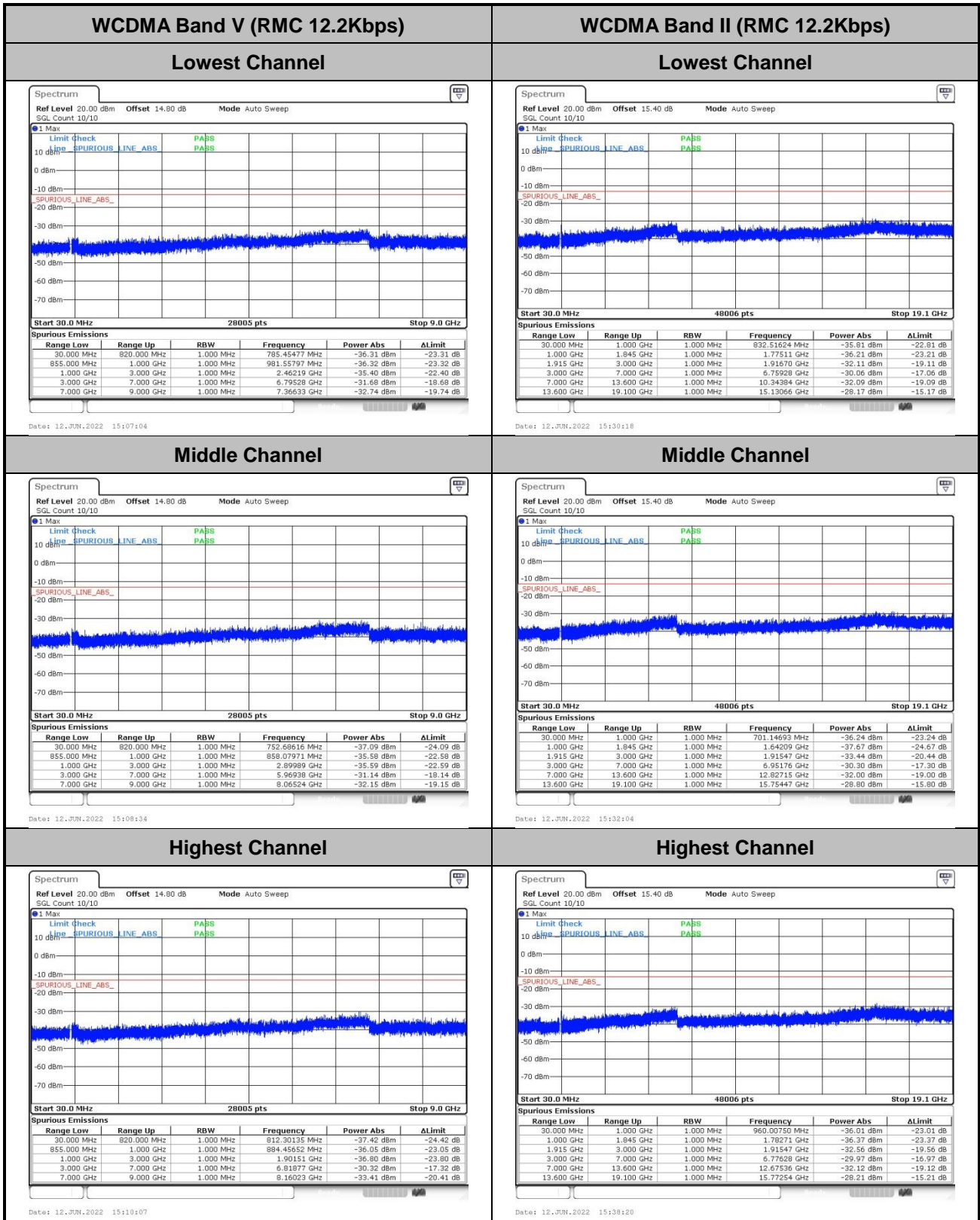
Conducted Band Edge







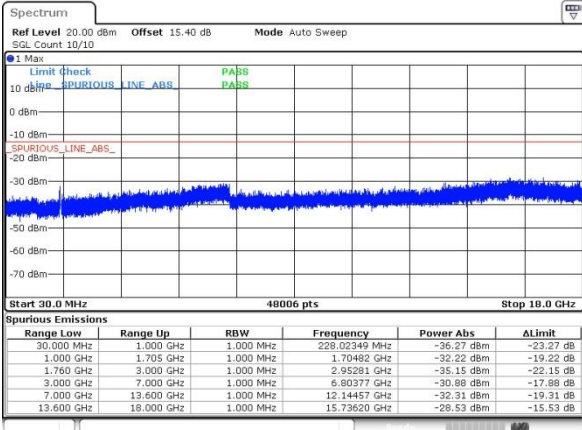
Conducted Spurious Emission



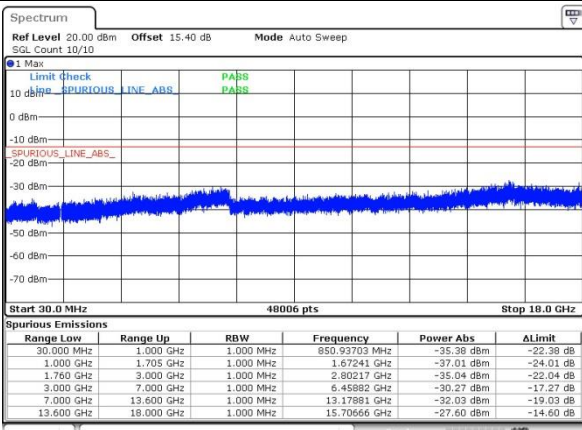


WCDMA Band IV (RMC 12.2Kbps)

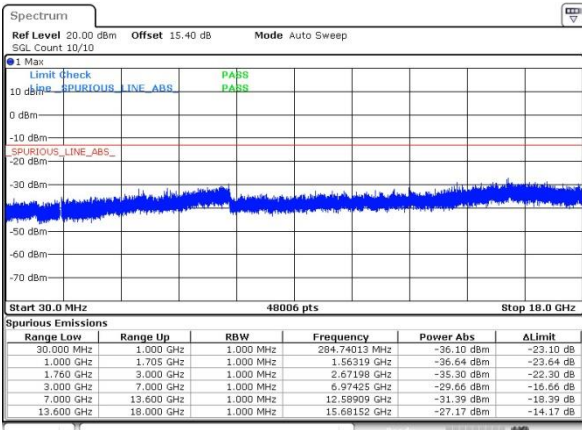
Lowest Channel



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	0.0049	PASS
40	Normal Voltage	0.0326	
30	Normal Voltage	0.0433	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0071	
0	Normal Voltage	0.0268	
-10	Normal Voltage	0.0059	
-20	Normal Voltage	0.0179	
-30	Normal Voltage	0.0337	
20	Maximum Voltage	0.0396	
20	Normal Voltage	0.0142	
20	Battery End Point	0.0067	



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0158	PASS
40	Normal Voltage	0.0142	
30	Normal Voltage	0.0133	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0146	
0	Normal Voltage	0.0137	
-10	Normal Voltage	0.0245	
-20	Normal Voltage	0.0079	
-30	Normal Voltage	0.0122	
20	Maximum Voltage	0.0176	
20	Normal Voltage	0.0142	
20	Battery End Point	0.0056	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0043	PASS
40	Normal Voltage	0.0172	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0123	
-20	Normal Voltage	0.0155	
-30	Normal Voltage	0.0049	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0037	
20	Battery End Point	0.0109	

Note:

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.55V. ; Maximum Voltage =4.45V
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 (GPRS)								
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	-59.01	-13	-46.01	-65.98	1.58	10.70	H
	2472	-49.43	-13	-36.43	-57.68	2.102	12.50	H
	3296	-59.42	-13	-46.42	-68.31	2.856	13.90	H
	1648	-61.17	-13	-48.17	-68.14	1.58	10.70	V
	2472	-50.07	-13	-37.07	-58.32	2.10	12.50	V
	3296	-59.38	-13	-46.38	-68.27	2.86	13.90	V
Middle	1672	-57.19	-13	-44.19	-64.16	1.58	10.70	H
	2508	-36.30	-13	-23.30	-44.55	2.102	12.50	H
	3348	-60.79	-13	-47.79	-69.68	2.856	13.90	H
	1672	-59.74	-13	-46.74	-66.71	1.58	10.70	V
	2508	-43.16	-13	-30.16	-51.41	2.10	12.50	V
	3348	-60.50	-13	-47.50	-69.39	2.86	13.90	V
Highest	1696	-58.63	-13	-45.63	-65.60	1.58	10.70	H
	2544	-41.73	-13	-28.73	-49.98	2.102	12.50	H
	3392	-59.04	-13	-46.04	-67.93	2.856	13.90	H
	1696	-58.77	-13	-45.77	-65.74	1.58	10.70	V
	2544	-45.85	-13	-32.85	-54.10	2.10	12.50	V
	3392	-59.27	-13	-46.27	-68.16	2.86	13.90	V

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



GSM850 (EDGE)								
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	-61.28	-13	-48.28	-68.25	1.58	10.70	H
	2472	-41.33	-13	-28.33	-49.58	2.102	12.50	H
	3296	-59.42	-13	-46.42	-68.31	2.856	13.90	H
	1648	-64.05	-13	-51.05	-71.02	1.58	10.70	V
	2472	-50.55	-13	-37.55	-58.80	2.10	12.50	V
	3296	-59.54	-13	-46.54	-68.43	2.86	13.90	V
Middle	1672	-55.93	-13	-42.93	-62.90	1.58	10.70	H
	2512	-44.83	-13	-31.83	-53.08	2.102	12.50	H
	3344	-59.85	-13	-46.85	-68.74	2.856	13.90	H
	1672	-61.31	-13	-48.31	-68.28	1.58	10.70	V
	2512	-51.89	-13	-38.89	-60.14	2.10	12.50	V
	3344	-60.10	-13	-47.10	-68.99	2.86	13.90	V
Highest	1696	-60.22	-13	-47.22	-67.19	1.58	10.70	H
	2544	-48.59	-13	-35.59	-56.84	2.102	12.50	H
	3392	-59.16	-13	-46.16	-68.05	2.856	13.90	H
	1696	-60.71	-13	-47.71	-67.68	1.58	10.70	V
	2544	-51.84	-13	-38.84	-60.09	2.10	12.50	V
	3392	-59.09	-13	-46.09	-67.98	2.86	13.90	V

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



GSM1900 (GPRS)								
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	3702	-51.53	-13	-38.53	-63.79	2.641	14.90	H
	5550	-44.56	-13	-31.56	-56.42	2.94	14.80	H
	7404	-48.21	-13	-35.21	-57.98	3.39	13.16	H
	3699	-55.45	-13	-42.45	-67.71	2.64	14.90	V
	5550	-47.52	-13	-34.52	-59.38	2.94	14.80	V
	7404	-47.95	-13	-34.95	-57.72	3.39	13.16	V
Middle	3759	-42.68	-13	-29.68	-54.94	2.641	14.90	H
	5640	-45.86	-13	-32.86	-57.72	2.94	14.80	H
	7524	-47.84	-13	-34.84	-57.61	3.39	13.16	H
	3759	-50.73	-13	-37.73	-62.99	2.64	14.90	V
	5640	-48.84	-13	-35.84	-60.70	2.94	14.80	V
	7524	-47.88	-13	-34.88	-57.65	3.39	13.16	V
Highest	3819	-50.83	-13	-37.83	-63.09	2.641	14.90	H
	5730	-44.10	-13	-31.10	-55.96	2.94	14.80	H
	7632	-47.73	-13	-34.73	-57.50	3.39	13.16	H
	3819	-52.38	-13	-39.38	-64.64	2.64	14.90	V
	5730	-48.01	-13	-35.01	-59.87	2.94	14.80	V
	7632	-48.02	-13	-35.02	-57.79	3.39	13.16	V

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



GSM1900 (EDGE)								
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	3699	-53.02	-13	-40.02	-65.28	2.641	14.90	H
	5550	-51.52	-13	-38.52	-63.38	2.94	14.80	H
	7404	-52.16	-13	-39.16	-61.93	3.39	13.16	H
	3699	-56.13	-13	-43.13	-68.39	2.64	14.90	V
	5550	-50.57	-13	-37.57	-62.43	2.94	14.80	V
	7404	-52.51	-13	-39.51	-62.28	3.39	13.16	V
Middle	3759	-50.11	-13	-37.11	-62.37	2.641	14.90	H
	5640	-47.71	-13	-34.71	-59.57	2.94	14.80	H
	7524	-52.02	-13	-39.02	-61.79	3.39	13.16	H
	3759	-56.34	-13	-43.34	-68.60	2.64	14.90	V
	5640	-41.55	-13	-28.55	-53.41	2.94	14.80	V
	7524	-51.77	-13	-38.77	-61.54	3.39	13.16	V
Highest	3819	-52.80	-13	-39.80	-65.06	2.641	14.90	H
	5730	-51.89	-13	-38.89	-63.75	2.94	14.80	H
	7632	-52.31	-13	-39.31	-62.08	3.39	13.16	H
	3819	-56.56	-13	-43.56	-68.82	2.64	14.90	V
	5730	-51.56	-13	-38.56	-63.42	2.94	14.80	V
	7632	-51.93	-13	-38.93	-61.70	3.39	13.16	V

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



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	-65.34	-13	-52.34	-72.31	1.58	10.70	H
	2480	-60.99	-13	-47.99	-69.24	2.102	12.50	H
	3304	-59.94	-13	-46.94	-68.83	2.856	13.90	H
	1656	-64.58	-13	-51.58	-71.55	1.58	10.70	V
	2480	-59.27	-13	-46.27	-67.52	2.10	12.50	V
	3304	-59.41	-13	-46.41	-68.30	2.86	13.90	V
Middle	1672	-64.96	-13	-51.96	-71.93	1.58	10.70	H
	2512	-60.02	-13	-47.02	-68.27	2.102	12.50	H
	3344	-60.18	-13	-47.18	-69.07	2.856	13.90	H
	1672	-64.04	-13	-51.04	-71.01	1.58	10.70	V
	2512	-59.43	-13	-46.43	-67.68	2.10	12.50	V
	3344	-59.73	-13	-46.73	-68.62	2.86	13.90	V
Highest	1696	-65.41	-13	-52.41	-72.38	1.58	10.70	H
	2536	-60.72	-13	-47.72	-68.97	2.102	12.50	H
	3384	-60.00	-13	-47.00	-68.89	2.856	13.90	H
	1696	-63.96	-13	-50.96	-70.93	1.58	10.70	V
	2536	-60.27	-13	-47.27	-68.52	2.10	12.50	V
	3384	-60.05	-13	-47.05	-68.94	2.86	13.90	V

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



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	3705	-57.61	-13	-44.61	-69.87	2.641	14.90	H
	5556	-55.99	-13	-42.99	-67.85	2.94	14.80	H
	7404	-52.89	-13	-39.89	-62.66	3.39	13.16	H
	3705	-57.38	-13	-44.38	-69.64	2.64	14.90	V
	5556	-55.81	-13	-42.81	-67.67	2.94	14.80	V
	7404	-52.46	-13	-39.46	-62.23	3.39	13.16	V
Middle	3759	-57.42	-13	-44.42	-69.68	2.641	14.90	H
	5640	-55.05	-13	-42.05	-66.91	2.94	14.80	H
	7524	-52.15	-13	-39.15	-61.92	3.39	13.16	H
	3759	-57.50	-13	-44.50	-69.76	2.64	14.90	V
	5640	-54.99	-13	-41.99	-66.85	2.94	14.80	V
	7524	-51.97	-13	-38.97	-61.74	3.39	13.16	V
Highest	3813	-57.65	-13	-44.65	-69.91	2.641	14.90	H
	5721	-55.10	-13	-42.10	-66.96	2.94	14.80	H
	7632	-51.01	-13	-38.01	-60.78	3.39	13.16	H
	3813	-57.14	-13	-44.14	-69.40	2.64	14.90	V
	5721	-55.13	-13	-42.13	-66.99	2.94	14.80	V
	7632	-51.94	-13	-38.94	-61.71	3.39	13.16	V

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



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	3423	-58.64	-13	-45.64	-69.38	2.604	13.34	H
	5136	-55.03	-13	-42.03	-65.54	3.011	13.52	H
	6852	-53.93	-13	-40.93	-64.13	3.271	13.47	H
	3423	-58.71	-13	-45.71	-69.45	2.604	13.34	V
	5136	-54.94	-13	-41.94	-65.45	3.011	13.52	V
	6852	-54.03	-13	-41.03	-64.23	3.271	13.47	V
Middle	3465	-58.61	-13	-45.61	-69.35	2.604	13.34	H
	5196	-54.74	-13	-41.74	-65.25	3.011	13.52	H
	6936	-54.02	-13	-41.02	-64.22	3.271	13.47	H
	3465	-58.75	-13	-45.75	-69.49	2.604	13.34	V
	5196	-54.98	-13	-41.98	-65.49	3.011	13.52	V
	6936	-54.23	-13	-41.23	-64.43	3.271	13.47	V
Highest	3504	-58.11	-13	-45.11	-68.85	2.604	13.34	H
	5256	-55.48	-13	-42.48	-65.99	3.011	13.52	H
	7008	-53.38	-13	-40.38	-63.58	3.271	13.47	H
	3504	-58.22	-13	-45.22	-68.96	2.604	13.34	V
	5256	-55.41	-13	-42.41	-65.92	3.011	13.52	V
	7008	-53.85	-13	-40.85	-64.05	3.271	13.47	V

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