



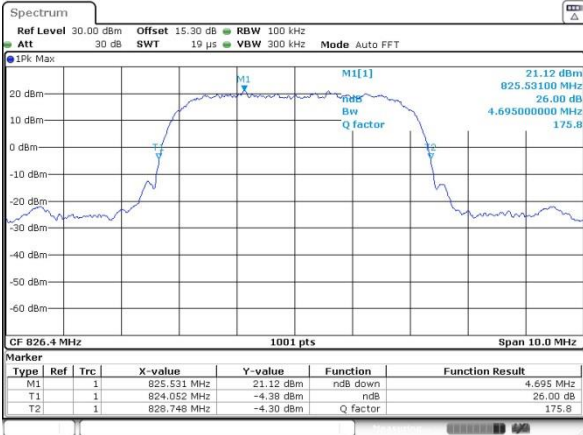
**26dB Bandwidth**

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



WCDMA Band V (RMC 12.2Kbps)

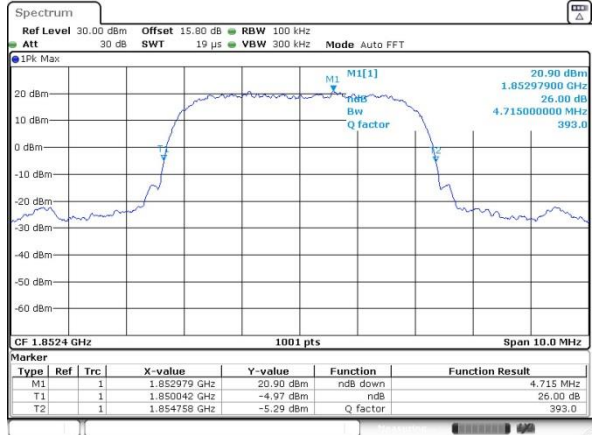
Lowest Channel



Date: 17 JUN 2020 09:24:22

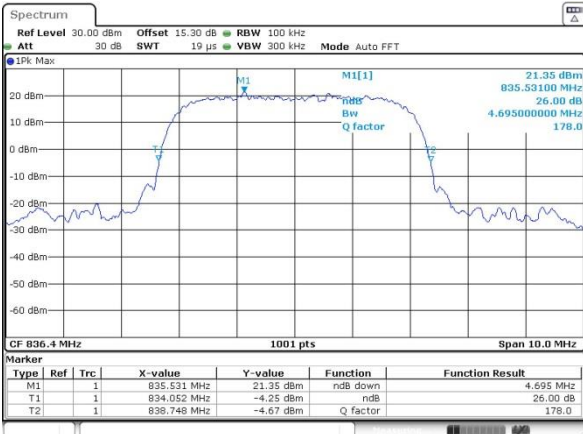
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



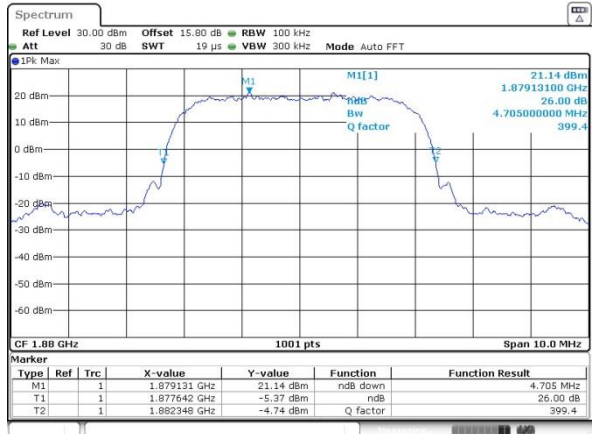
Date: 17 JUN 2020 08:56:06

Middle Channel



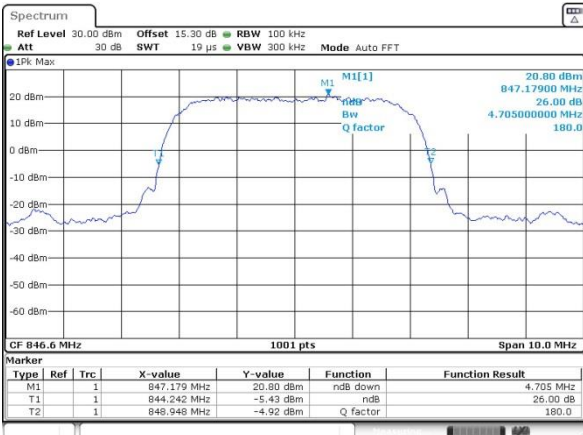
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Middle Channel



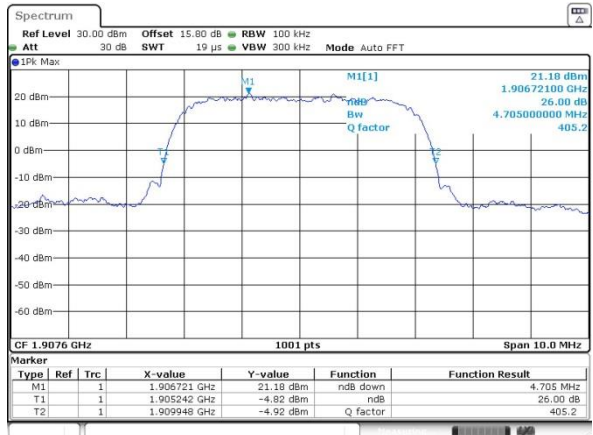
Date: 17 JUN 2020 08:56:28

Highest Channel

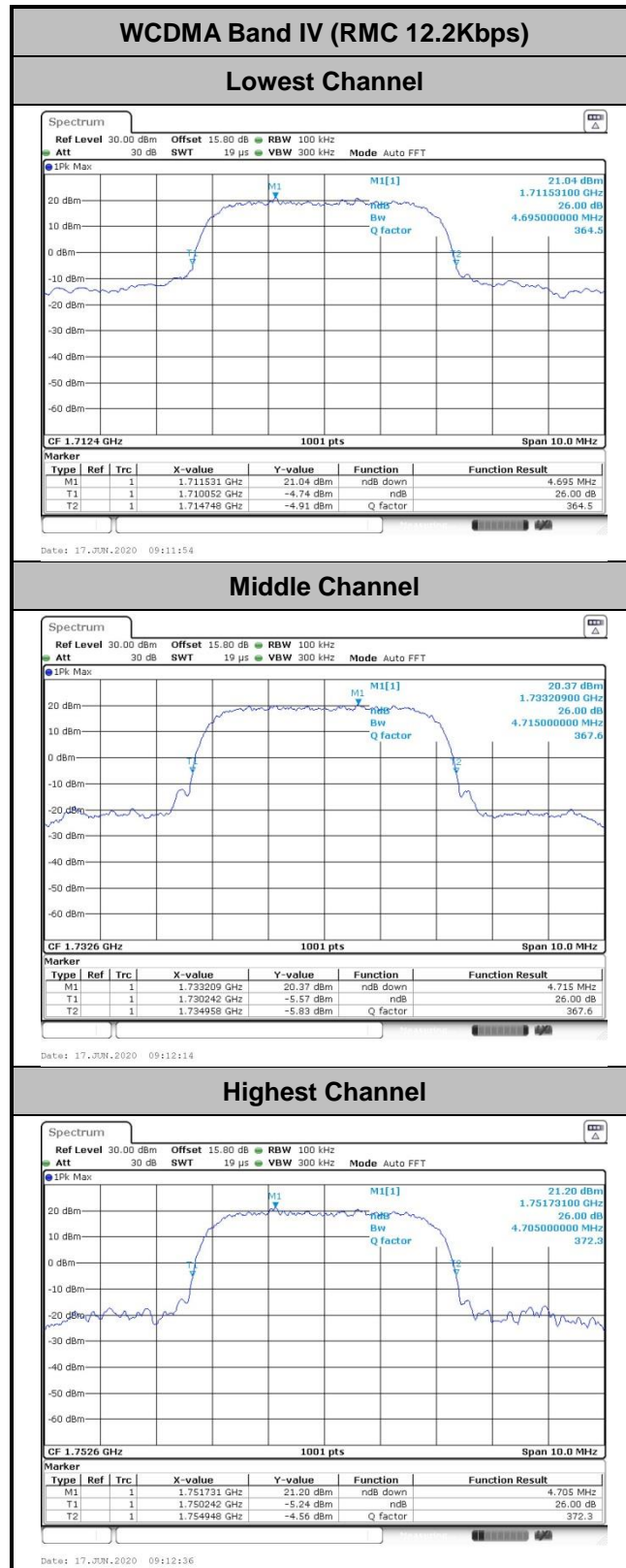


Date: 17 JUN 2020 09:25:00

Highest Channel



Date: 17 JUN 2020 08:56:53

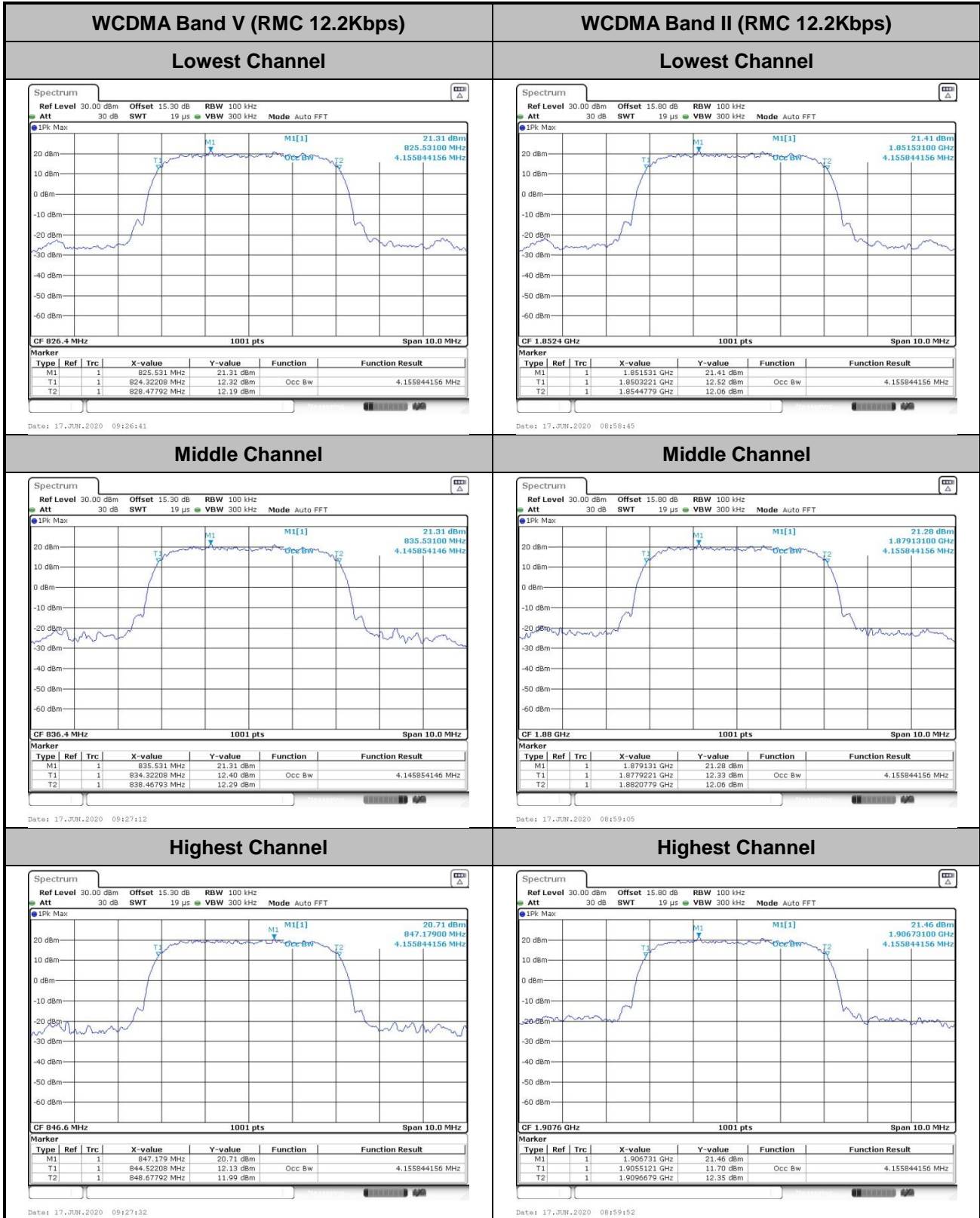


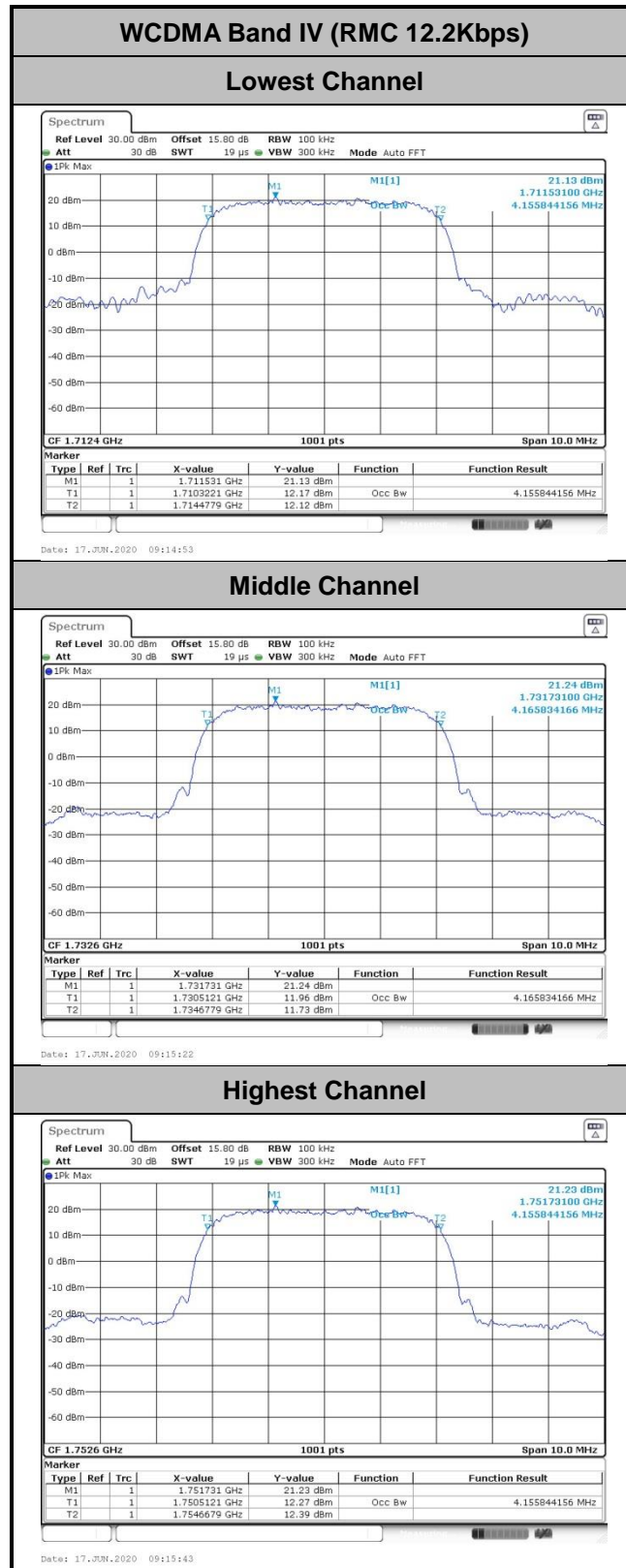


### Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.159	4.156	4.156
Middle CH	4.146	4.156	4.166
Highest CH	4.156	4.156	4.156



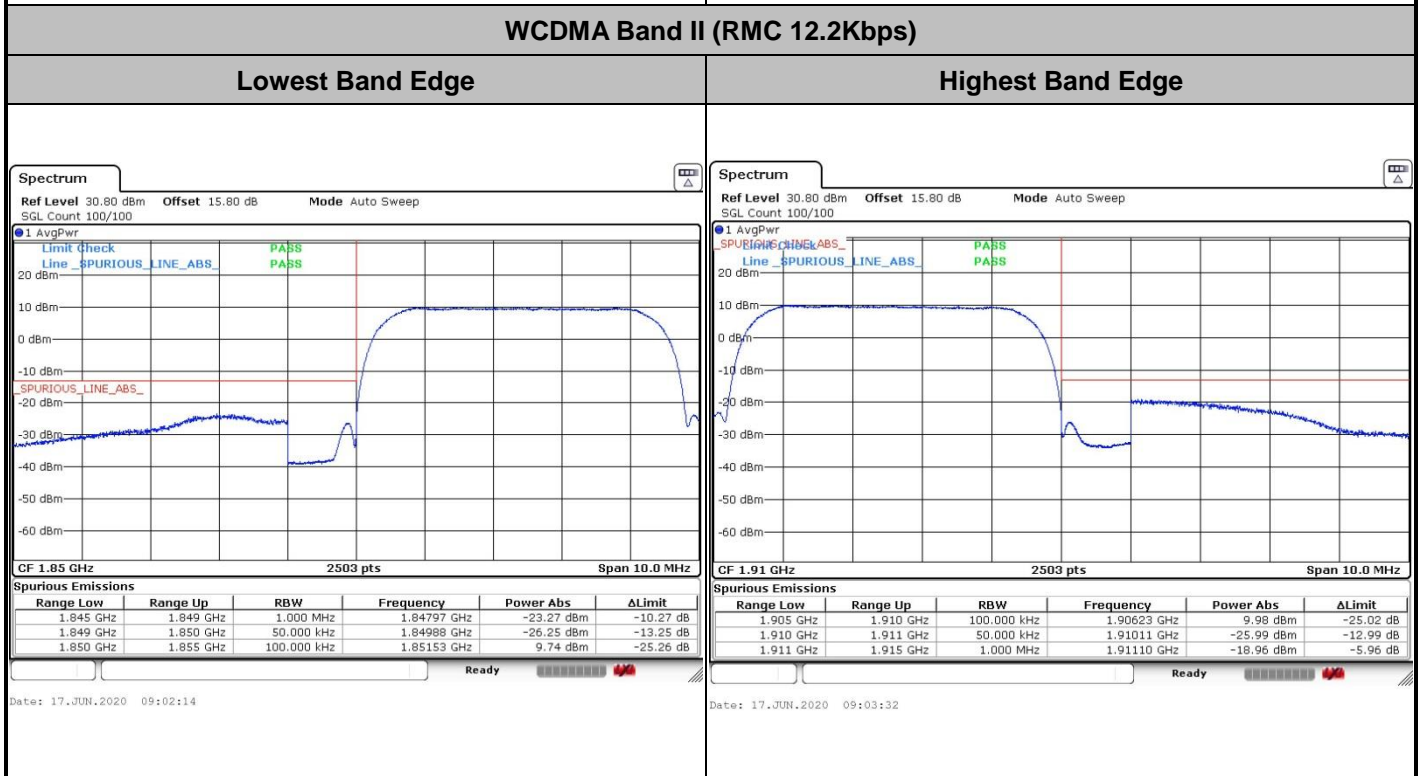
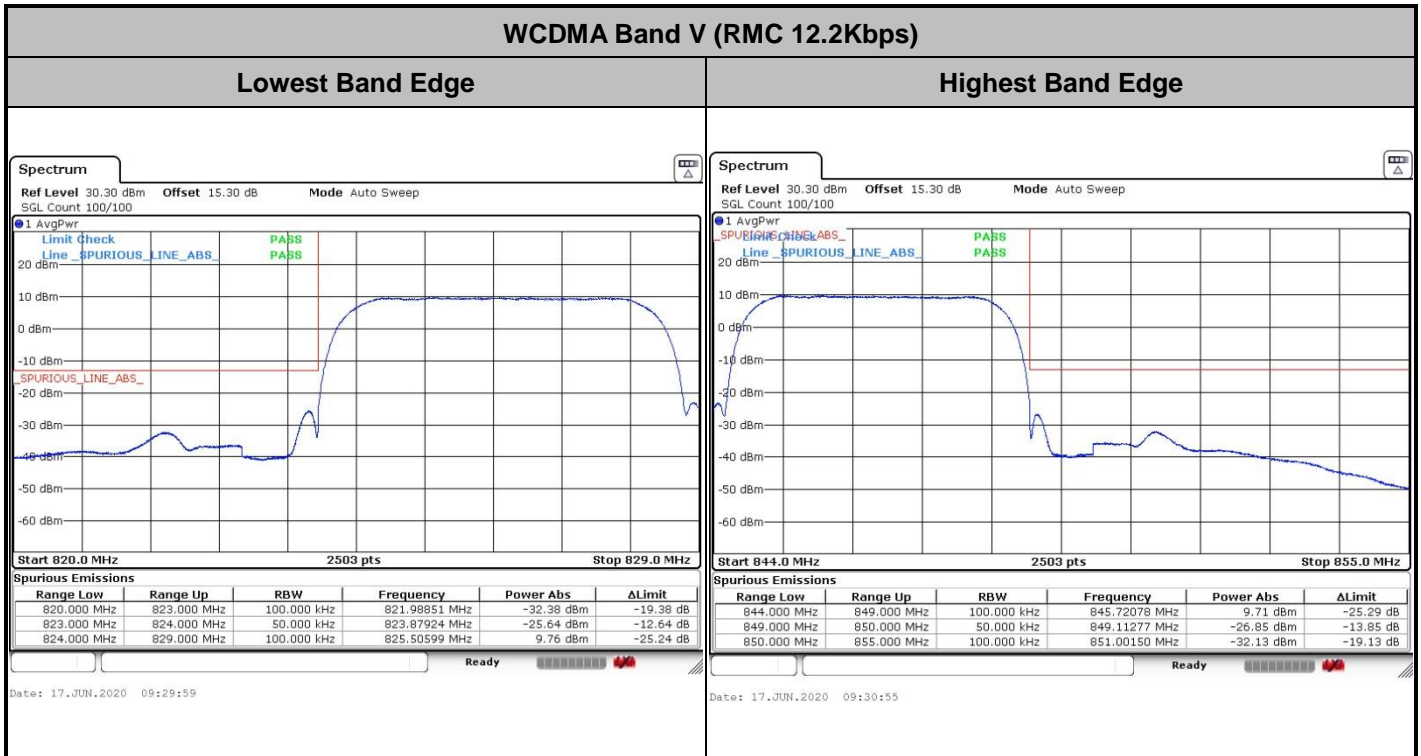








# Conducted Band Edge

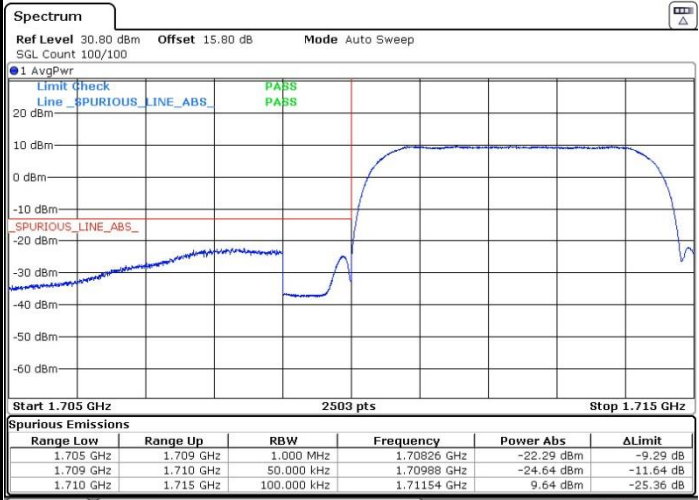




WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



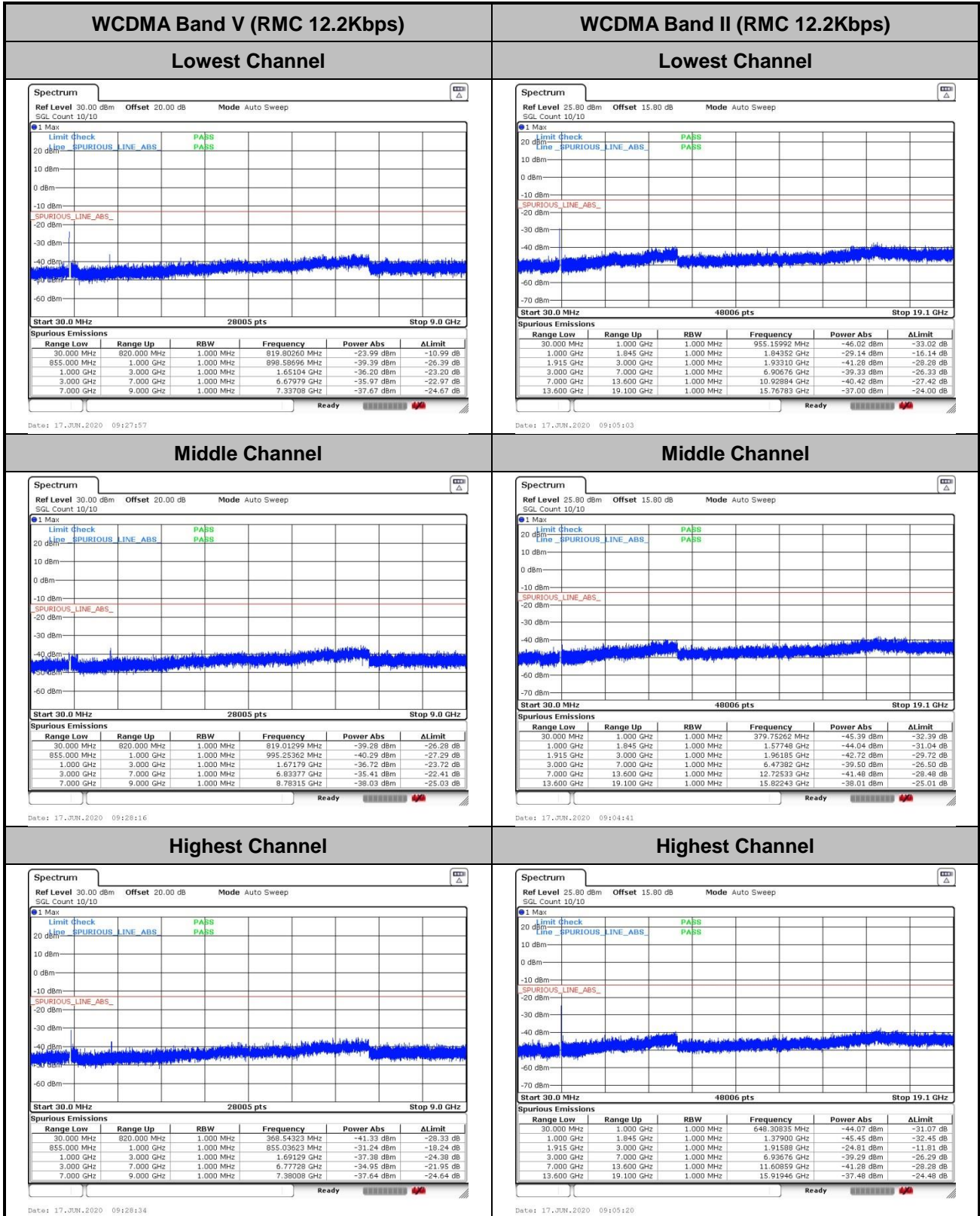
Date: 17.JUN.2020 09:16:41



Date: 17.JUN.2020 09:17:38



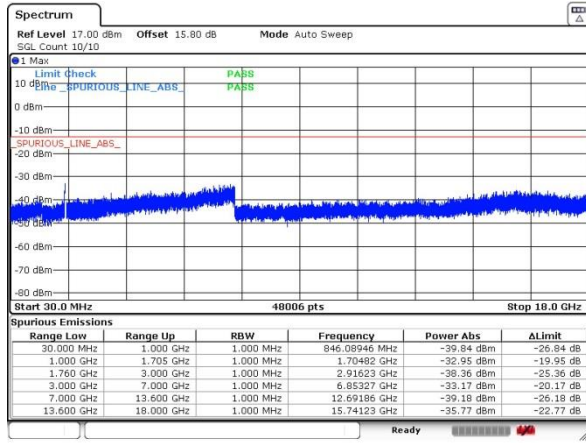
# Conducted Spurious Emission





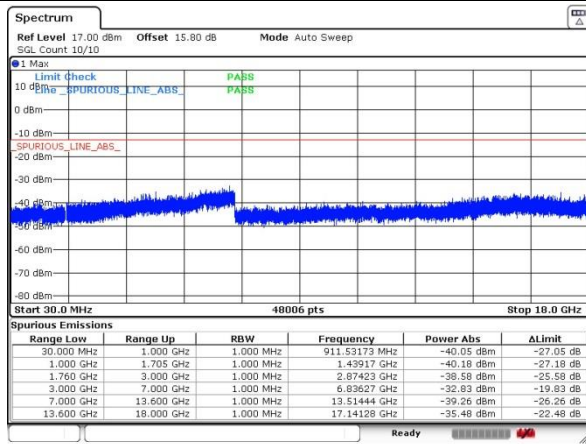
### WCDMA Band IV (RMC 12.2Kbps)

#### Lowest Channel



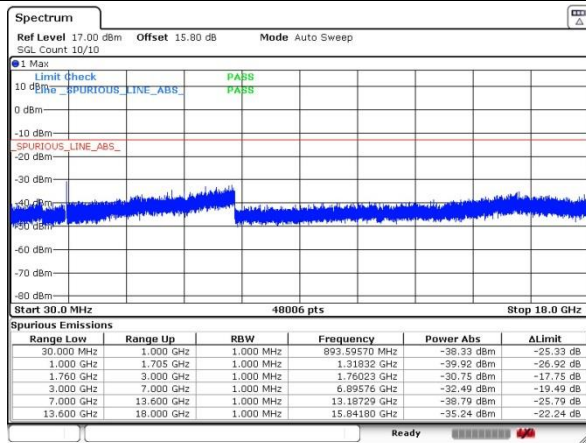
Date: 17 JUN 2020 09:19:51

#### Middle Channel



Date: 17 JUN 2020 09:20:10

#### Highest Channel



Date: 17 JUN 2020 09:20:26



**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	0.0060	PASS
40	Normal Voltage	0.0375	
30	Normal Voltage	0.0464	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0062	
0	Normal Voltage	0.0375	
-10	Normal Voltage	0.0056	
-20	Normal Voltage	0.0167	
-30	Normal Voltage	0.0361	
20	Maximum Voltage	0.0442	
20	Normal Voltage	0.0161	
20	Battery End Point	0.0113	

**Note:** Normal Voltage = 3.8V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.1V

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0187	PASS
40	Normal Voltage	0.0136	
30	Normal Voltage	0.0165	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0171	
0	Normal Voltage	0.0165	
-10	Normal Voltage	0.0239	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0167	
20	Maximum Voltage	0.0165	
20	Normal Voltage	0.0185	
20	Battery End Point	0.0033	

**Note:**

1. Normal Voltage = 3.8V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.1V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0068	PASS
40	Normal Voltage	0.0105	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0420	
-10	Normal Voltage	0.0151	
-20	Normal Voltage	0.0177	
-30	Normal Voltage	0.0092	
20	Maximum Voltage	0.0081	
20	Normal Voltage	0.0096	
20	Battery End Point	0.0197	

**Note:**

1. Normal Voltage = 3.8V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.1V
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

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	-45.94	-13	-32.94	-52.91	1.58	10.70	H
	2472	-44.55	-13	-31.55	-52.80	2.102	12.50	H
	3294	-48.18	-13	-35.18	-57.07	2.856	13.90	H
	1648	-48.43	-13	-35.43	-55.40	1.58	10.70	V
	2472	-45.17	-13	-32.17	-53.42	2.10	12.50	V
	3294	-49.38	-13	-36.38	-58.27	2.86	13.90	V
Middle	1672	-46.63	-13	-33.63	-53.60	1.58	10.70	H
	2510	-43.07	-13	-30.07	-51.32	2.102	12.50	H
	3348	-53.55	-13	-40.55	-62.44	2.856	13.90	H
	1672	-49.75	-13	-36.75	-56.72	1.58	10.70	V
	2510	-47.13	-13	-34.13	-55.38	2.10	12.50	V
	3348	-54.87	-13	-41.87	-63.76	2.86	13.90	V
Highest	1698	-52.55	-13	-39.55	-59.52	1.58	10.70	H
	2546	-54.22	-13	-41.22	-62.47	2.102	12.50	H
	3396	-57.92	-13	-44.92	-66.81	2.856	13.90	H
	1698	-50.24	-13	-37.24	-57.21	1.58	10.70	V
	2546	-53.45	-13	-40.45	-61.70	2.10	12.50	V
	3396	-59.45	-13	-46.45	-68.34	2.86	13.90	V

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



GSM850 (EDGE class 8)								
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	-53.87	-13	-40.87	-60.84	1.58	10.70	H
	2472	-59.76	-13	-46.76	-68.01	2.102	12.50	H
	3294	-59.49	-13	-46.49	-68.38	2.856	13.90	H
	1648	-55.68	-13	-42.68	-62.65	1.58	10.70	V
	2472	-60.13	-13	-47.13	-68.38	2.10	12.50	V
	3294	-61.60	-13	-48.60	-70.49	2.86	13.90	V
Middle	1672	-56.67	-13	-43.67	-63.64	1.58	10.70	H
	2510	-63.31	-13	-50.31	-71.56	2.102	12.50	H
	3342	-61.41	-13	-48.41	-70.30	2.856	13.90	H
	1672	-58.02	-13	-45.02	-64.99	1.58	10.70	V
	2510	-61.49	-13	-48.49	-69.74	2.10	12.50	V
	3348	-61.45	-13	-48.45	-70.34	2.86	13.90	V
Highest	1698	-58.78	-13	-45.78	-65.75	1.58	10.70	H
	2546.4	-64.77	-13	-51.77	-73.02	2.102	12.50	H
	3396	-62.82	-13	-49.82	-71.71	2.856	13.90	H
	1697.6	-57.78	-13	-44.78	-64.75	1.58	10.70	V
	2546	-63.99	-13	-50.99	-72.24	2.10	12.50	V
	3396	-62.96	-13	-49.96	-71.85	2.86	13.90	V

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



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	-55.71	-13	-42.71	-67.97	2.641	14.90	H
	5550	-54.05	-13	-41.05	-65.91	2.94	14.80	H
	7404	-48.43	-13	-35.43	-58.20	3.39	13.16	H
	3699	-55.40	-13	-42.40	-67.66	2.64	14.90	V
	5550	-54.10	-13	-41.10	-65.96	2.94	14.80	V
	7404	-48.57	-13	-35.57	-58.34	3.39	13.16	V
Middle	3760	-55.91	-13	-42.91	-68.17	2.641	14.90	H
	5640	-42.30	-13	-29.30	-54.16	2.94	14.80	H
	7524	-48.30	-13	-35.30	-58.07	3.39	13.16	H
	3759	-56.34	-13	-43.34	-68.60	2.64	14.90	V
	5640	-38.07	-13	-25.07	-49.93	2.94	14.80	V
	7524	-47.70	-13	-34.70	-57.47	3.39	13.16	V
Highest	3819	-53.72	-13	-40.72	-65.98	2.641	14.90	H
	5730	-53.68	-13	-40.68	-65.54	2.94	14.80	H
	7644	-47.95	-13	-34.95	-57.72	3.39	13.16	H
	3819	-54.62	-13	-41.62	-66.88	2.64	14.90	V
	5730	-53.67	-13	-40.67	-65.53	2.94	14.80	V
	7644	-48.05	-13	-35.05	-57.82	3.39	13.16	V

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



GSM1900 (EDGE class 8)								
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	3699	-57.28	-13	-44.28	-69.54	2.64	14.90	H
	5550	-54.26	-13	-41.26	-66.12	2.94	14.80	H
	7404	-49.31	-13	-36.31	-59.08	3.39	13.16	H
	3699	-57.05	-13	-44.05	-69.31	2.64	14.90	V
	5550	-54.25	-13	-41.25	-66.11	2.94	14.80	V
	7404	-48.58	-13	-35.58	-58.35	3.39	13.16	V
Middle	3759	-56.74	-13	-43.74	-69.00	2.64	14.90	H
	5640	-53.56	-13	-40.56	-65.42	2.94	14.80	H
	7524	-48.42	-13	-35.42	-58.19	3.39	13.16	H
	3759	-57.00	-13	-44.00	-69.26	2.64	14.90	V
	5640	-54.08	-13	-41.08	-65.94	2.94	14.80	V
	7524	-48.51	-13	-35.51	-58.28	3.39	13.16	V
Highest	3819	-56.96	-13	-43.96	-69.22	2.64	14.90	H
	5729.4	-53.60	-13	-40.60	-65.46	2.94	14.80	H
	7644	-48.17	-13	-35.17	-57.94	3.39	13.16	H
	3819.6	-56.48	-13	-43.48	-68.74	2.64	14.90	V
	5730	-53.68	-13	-40.68	-65.54	2.94	14.80	V
	7644	-48.21	-13	-35.21	-57.98	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	1652	-66.77	-13	-53.77	-73.74	1.58	10.70	H
	2479.2	-64.49	-13	-51.49	-72.74	2.102	12.50	H
	3306	-62.63	-13	-49.63	-71.52	2.856	13.90	H
	1652.8	-66.74	-13	-53.74	-73.71	1.58	10.70	V
	2480	-64.20	-13	-51.20	-72.45	2.10	12.50	V
	3306	-62.75	-13	-49.75	-71.64	2.86	13.90	V
Middle	1672	-66.27	-13	-53.27	-73.24	1.58	10.70	H
	2509.2	-64.29	-13	-51.29	-72.54	2.102	12.50	H
	3348	-62.57	-13	-49.57	-71.46	2.856	13.90	H
	1672.8	-65.57	-13	-52.57	-72.54	1.58	10.70	V
	2510	-63.80	-13	-50.80	-72.05	2.10	12.50	V
	3348	-62.72	-13	-49.72	-71.61	2.86	13.90	V
Highest	1692.8	-66.66	-13	-53.66	-73.63	1.58	10.70	H
	2540	-64.46	-13	-51.46	-72.71	2.102	12.50	H
	3384	-62.74	-13	-49.74	-71.63	2.856	13.90	H
	1692	-66.43	-13	-53.43	-73.40	1.58	10.70	V
	2539.2	-64.22	-13	-51.22	-72.47	2.10	12.50	V
	3384	-62.90	-13	-49.90	-71.79	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	-57.59	-13	-44.59	-69.85	2.64	14.90	H
	5556	-53.97	-13	-40.97	-65.83	2.94	14.80	H
	7404	-48.86	-13	-35.86	-58.63	3.39	13.16	H
	3705	-57.69	-13	-44.69	-69.95	2.64	14.90	V
	5556	-54.33	-13	-41.33	-66.19	2.94	14.80	V
	7404	-48.57	-13	-35.57	-58.34	3.39	13.16	V
Middle	3759	-57.61	-13	-44.61	-69.87	2.64	14.90	H
	5640	-50.39	-13	-37.39	-62.25	2.94	14.80	H
	7524	-48.40	-13	-35.40	-58.17	3.39	13.16	H
	3760	-57.36	-13	-44.36	-69.62	2.64	14.90	V
	5640	-48.53	-13	-35.53	-60.39	2.94	14.80	V
	7524	-47.89	-13	-34.89	-57.66	3.39	13.16	V
Highest	3815.2	-57.62	-13	-44.62	-69.88	2.641	14.90	H
	5724	-53.73	-13	-40.73	-65.59	2.94	14.80	H
	7632	-47.93	-13	-34.93	-57.70	3.39	13.16	H
	3816	-57.40	-13	-44.40	-69.66	2.64	14.90	V
	5722.8	-53.63	-13	-40.63	-65.49	2.94	14.80	V
	7632	-47.64	-13	-34.64	-57.41	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	3426	-59.36	-13	-46.36	-70.10	2.604	13.34	H
	5136	-54.06	-13	-41.06	-64.57	3.011	13.52	H
	6852	-50.84	-13	-37.84	-61.04	3.271	13.47	H
	3426	-59.87	-13	-46.87	-70.61	2.604	13.34	V
	5136	-54.15	-13	-41.15	-64.66	3.011	13.52	V
	6852	-50.44	-13	-37.44	-60.64	3.271	13.47	V
Middle	3465	-58.27	-13	-45.27	-69.01	2.604	13.34	H
	5199	-54.12	-13	-41.12	-64.63	3.011	13.52	H
	6936	-50.32	-13	-37.32	-60.52	3.271	13.47	H
	3465	-59.34	-13	-46.34	-70.08	2.604	13.34	V
	5199	-54.24	-13	-41.24	-64.75	3.011	13.52	V
	6936	-50.42	-13	-37.42	-60.62	3.271	13.47	V
Highest	3504	-60.19	-13	-47.19	-70.93	2.604	13.34	H
	5259	-54.90	-13	-41.90	-65.41	3.011	13.52	H
	7008	-50.33	-13	-37.33	-60.53	3.271	13.47	H
	3504	-60.46	-13	-47.46	-71.20	2.604	13.34	V
	5259	-55.04	-13	-42.04	-65.55	3.011	13.52	V
	7008	-49.88	-13	-36.88	-60.08	3.271	13.47	V

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