



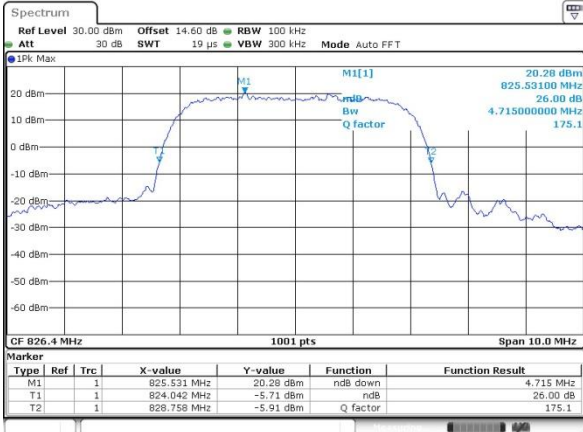
26dB Bandwidth

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	4.715	4.725	4.735
Middle CH	4.725	4.725	4.735
Highest CH	4.725	4.725	4.725



WCDMA Band V (RMC 12.2Kbps)

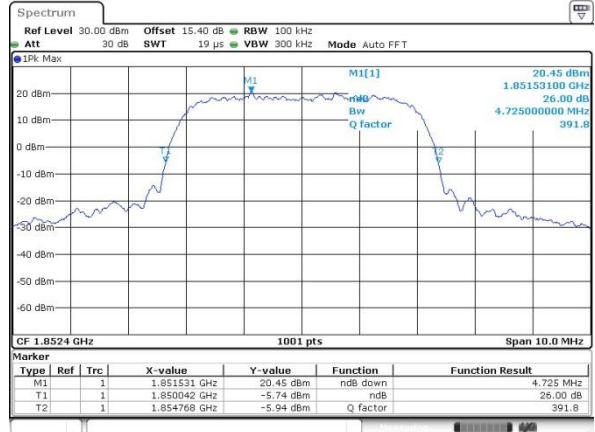
Lowest Channel



Date: 23_SEP.2022 10:18:12

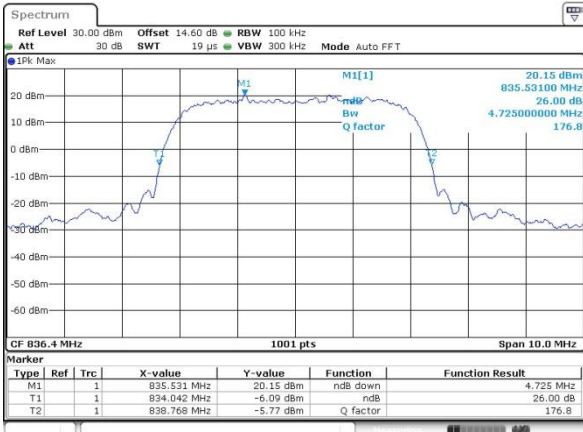
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



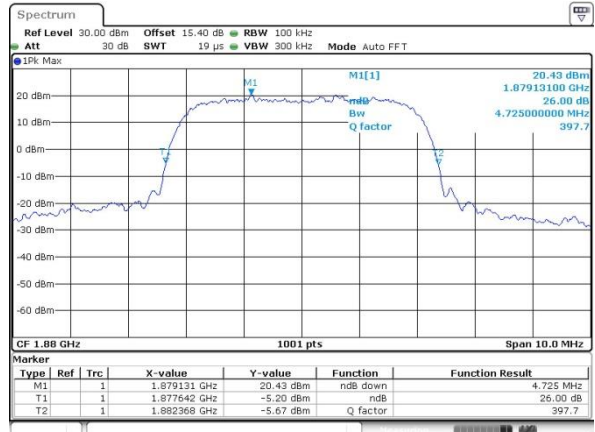
Date: 23_SEP.2022 12:03:02

Middle Channel



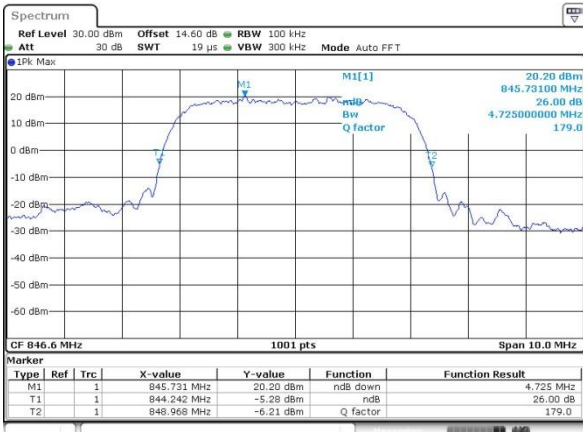
Date: 23_SEP.2022 10:18:38

Middle Channel



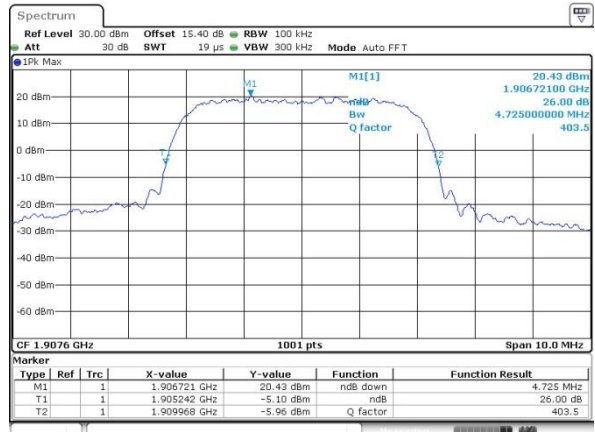
Date: 23_SEP.2022 12:03:25

Highest Channel



Date: 23_SEP.2022 10:19:03

Highest Channel

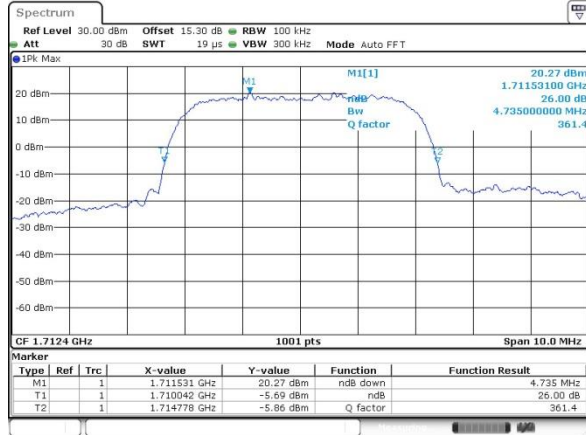


Date: 23_SEP.2022 12:03:48



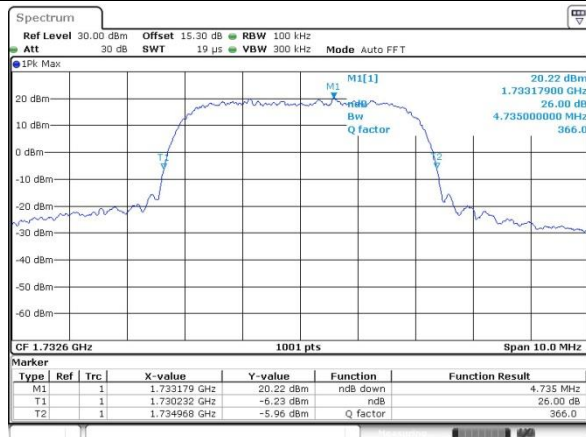
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



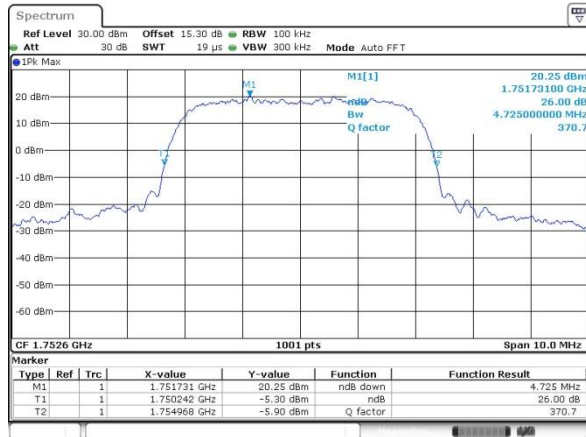
Date: 23. SEP. 2022 10:34:33

Middle Channel



Date: 23. SEP. 2022 11:43:44

Highest Channel



Date: 23. SEP. 2022 11:44:28



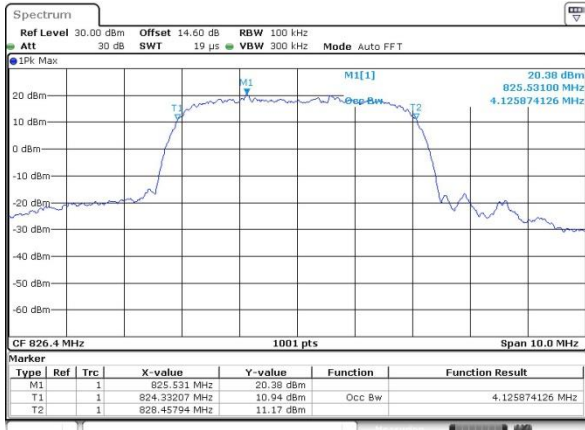
Occupied Bandwidth

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	4.126	4.146	4.156
Middle CH	4.146	4.146	4.146
Highest CH	4.146	4.146	4.146



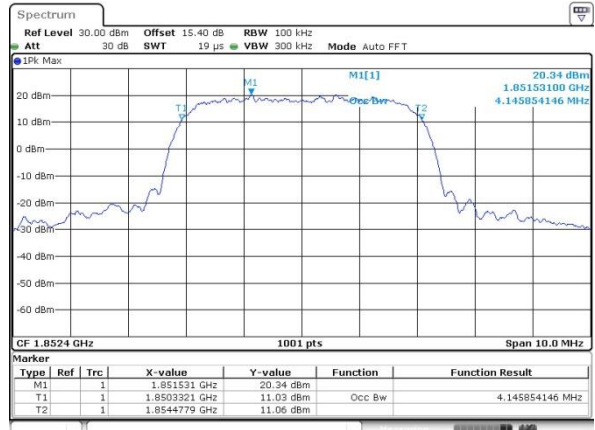
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

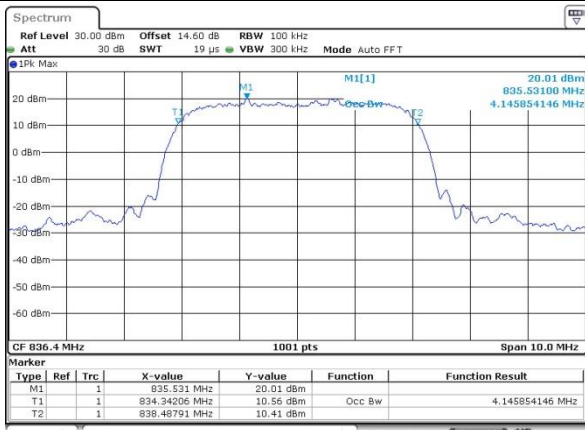


WCDMA Band II (RMC 12.2Kbps)

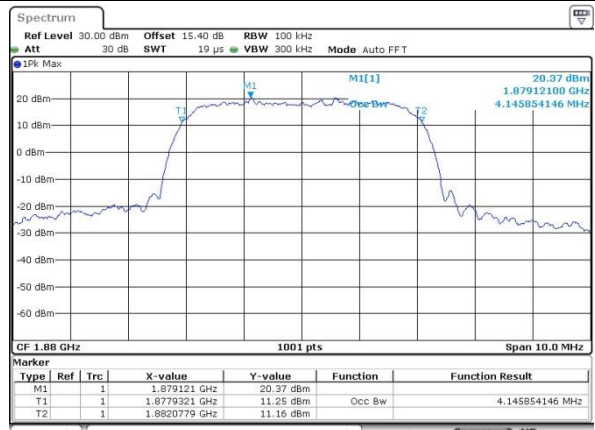
Lowest Channel



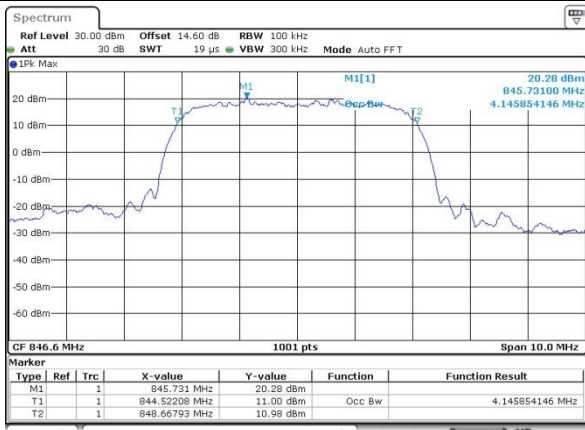
Middle Channel



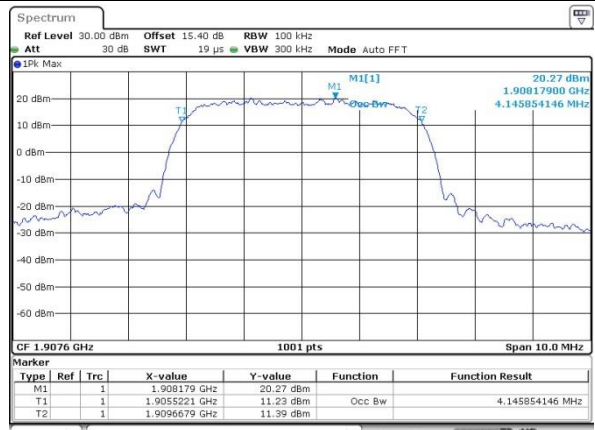
Middle Channel

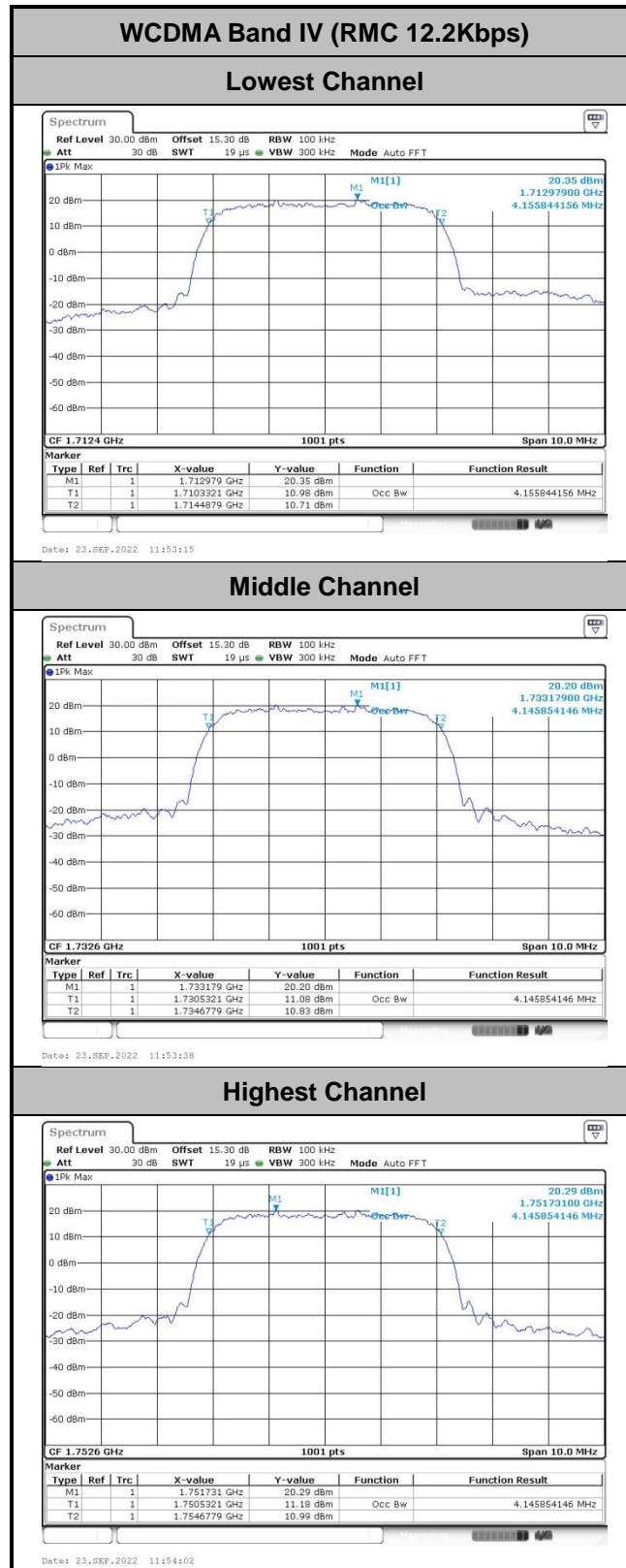


Highest Channel



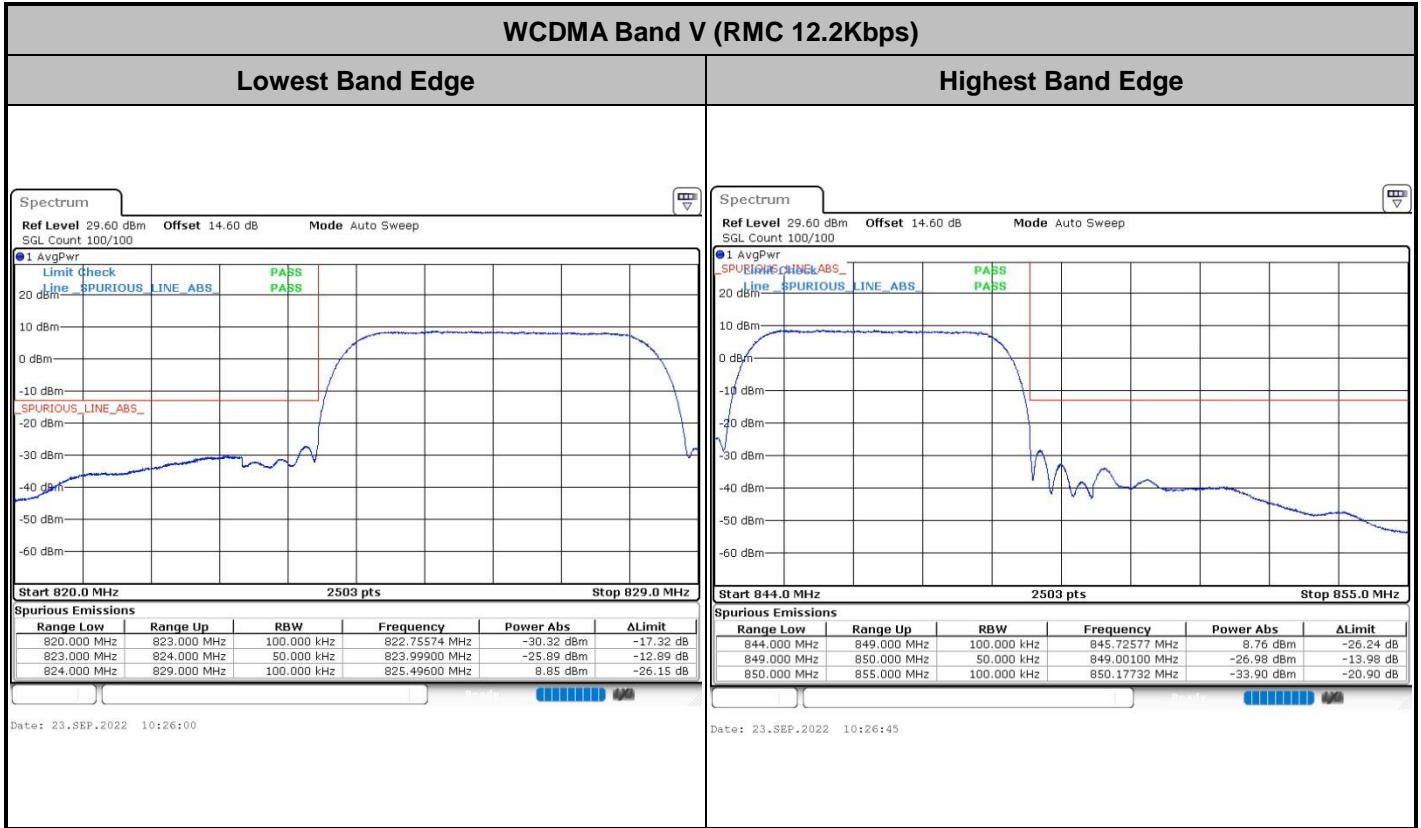
Highest Channel







Conducted Band Edge

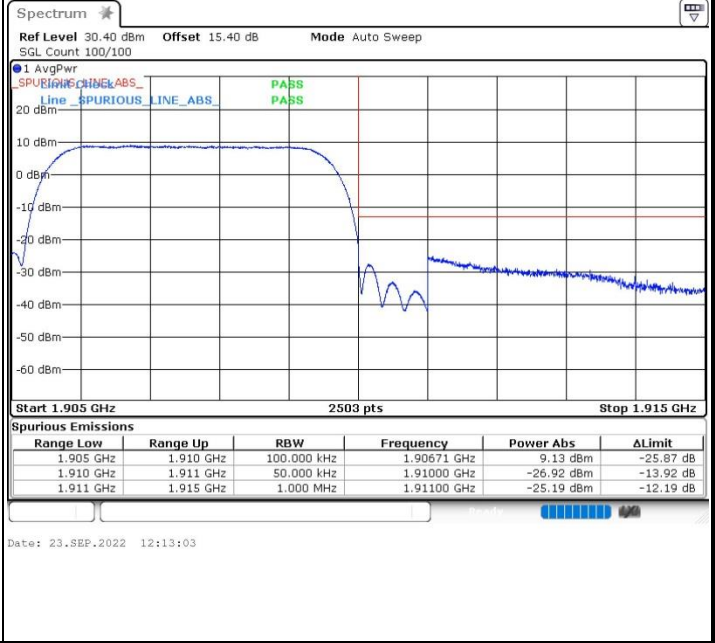
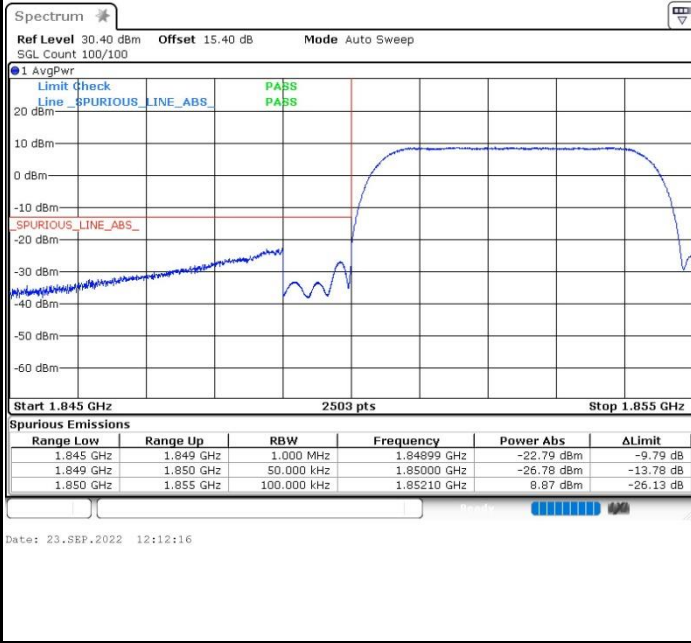




WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

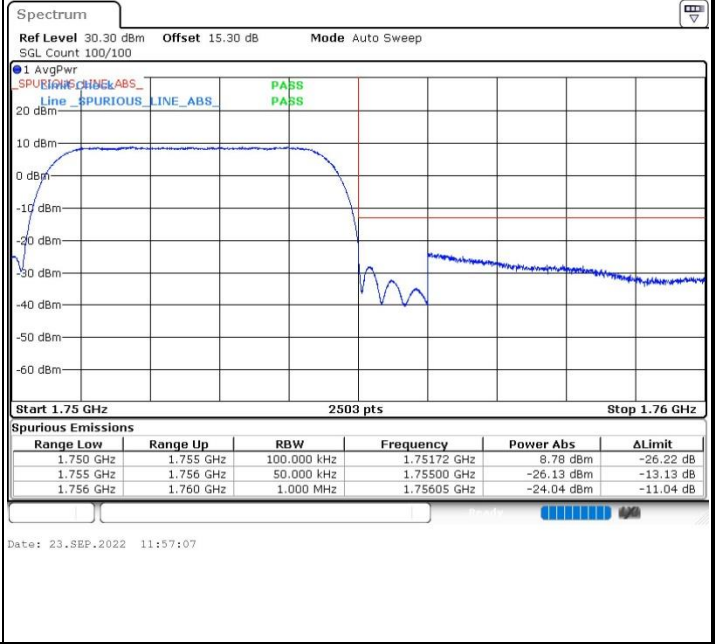
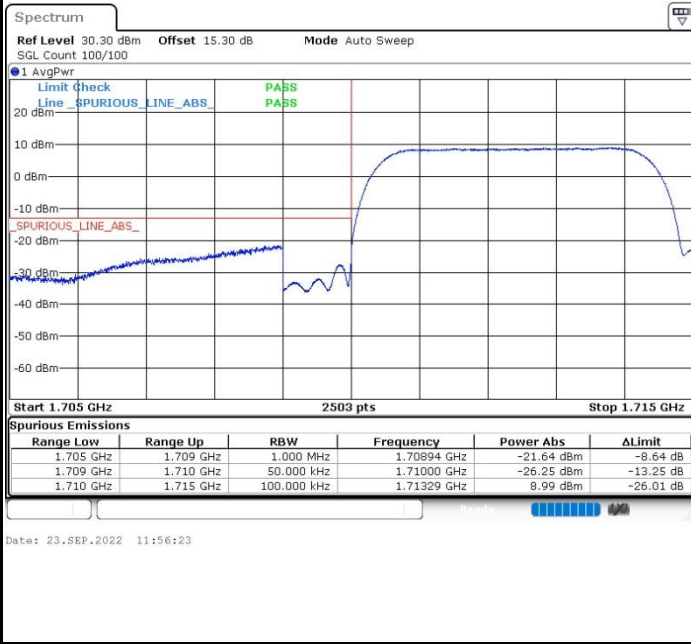
Highest Band Edge



WCDMA Band IV (RMC 12.2Kbps)

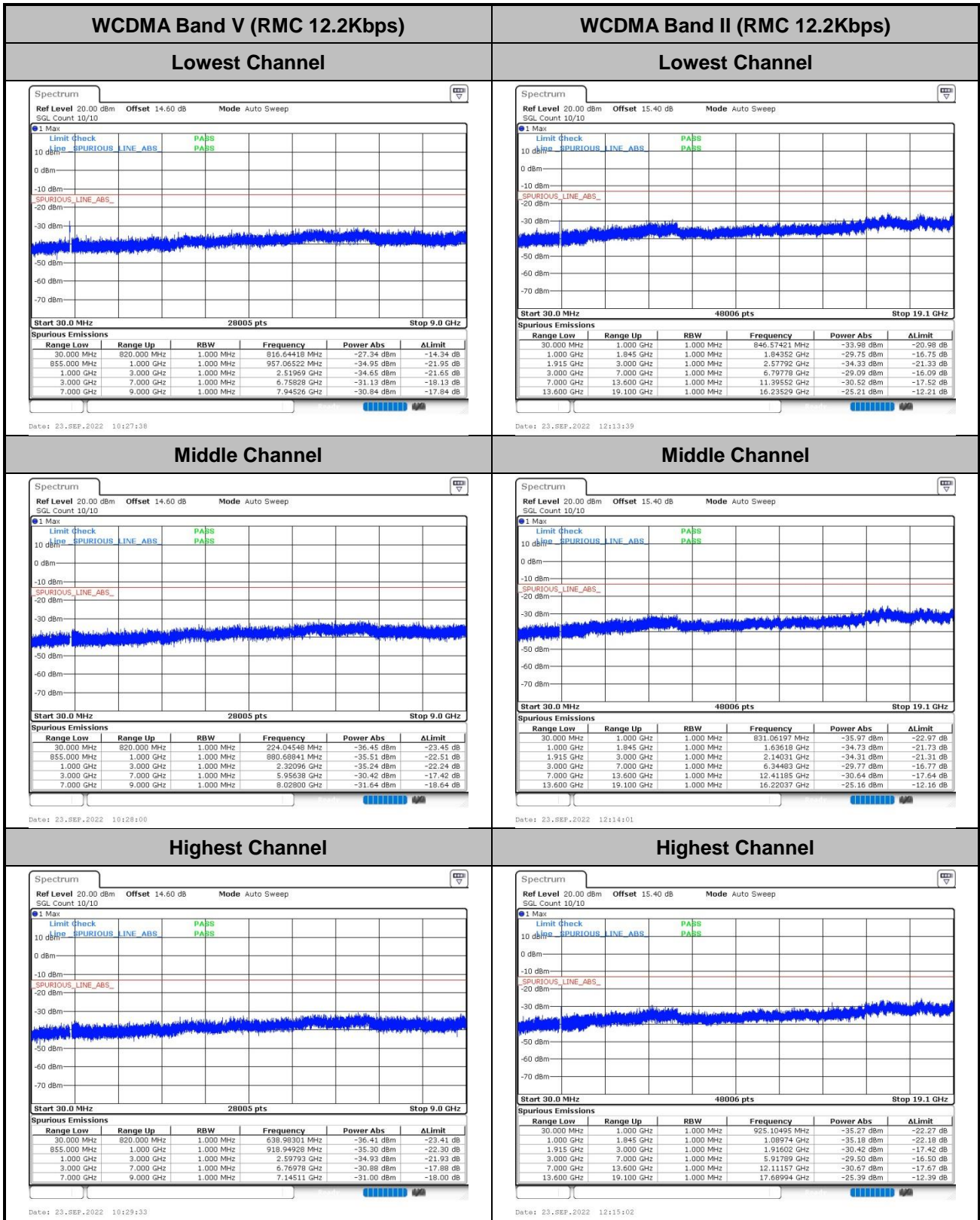
Lowest Band Edge

Highest Band Edge





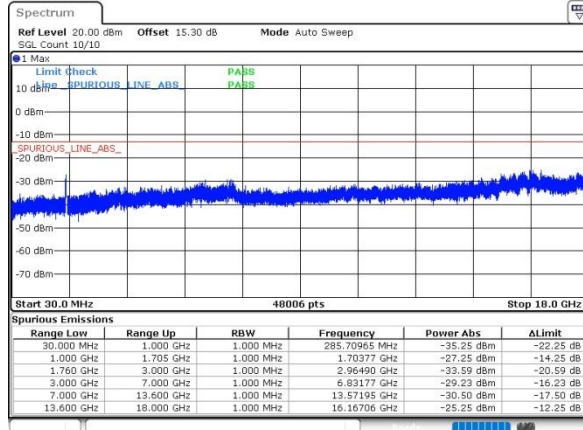
Conducted Spurious Emission





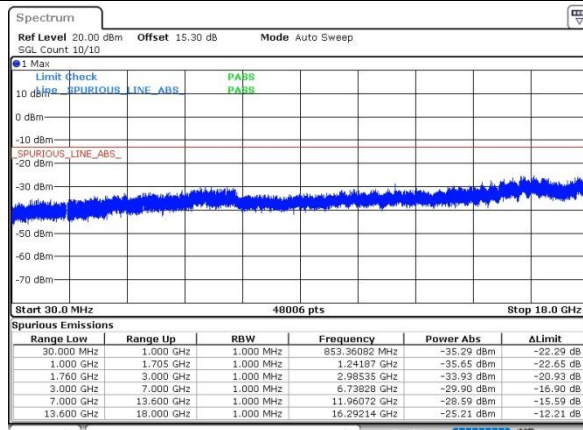
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



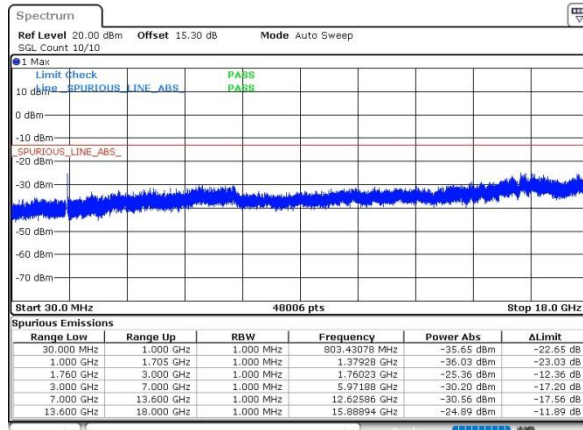
Date: 23_SEP.2022 11:58:11

Middle Channel



Date: 23_SEP.2022 11:58:37

Highest Channel



Date: 23_SEP.2022 12:00:00



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	0.0013	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0009	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0032	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0028	
20	Battery End Point	0.0013	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0027	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage = 3.88V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.27V
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

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

GSM850 (GSM)									
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)
Middle	1672.8	-57.02	-13	-44.02	-68.73	-60.27	4.00	9.40	H
	2509.2	-38.34	-13	-25.34	-57.24	-41.91	4.88	10.60	H
	3345.6	-56.86	-13	-43.86	-77.93	-61.79	5.52	12.60	H
	1672.8	-53.69	-13	-40.69	-66.11	-56.94	4.00	9.40	V
	2509.2	-34.56	-13	-21.56	-53.67	-38.13	4.88	10.60	V
	3345.6	-56.64	-13	-43.64	-78.01	-61.57	5.52	12.60	V

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

GSM850 (EDGE 1 Tx slots)									
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)
Middle	1672.8	-57.88	-13	-44.88	-69.59	-61.13	4.00	9.40	H
	2509.2	-43.69	-13	-30.69	-62.59	-47.26	4.88	10.60	H
	3345.6	-57.01	-13	-44.01	-78.08	-61.94	5.52	12.60	H
	1672.8	-55.24	-13	-42.24	-67.66	-58.49	4.00	9.40	V
	2509.2	-38.18	-13	-25.18	-57.29	-41.75	4.88	10.60	V
	3345.6	-56.60	-13	-43.60	-77.97	-61.53	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3760	-57.65	-13	-44.65	-79.99	-64.40	5.85	12.60	H
	5640	-57.18	-13	-44.18	-81.30	-62.98	7.30	13.10	H
	7520	-55.45	-13	-42.45	-81.73	-58.60	8.35	11.50	H
	3760	-55.12	-13	-42.12	-80.62	-61.87	5.85	12.60	V
	5640	-56.89	-13	-43.89	-81.16	-62.69	7.30	13.10	V
	7520	-55.49	-13	-42.49	-81.75	-58.64	8.35	11.50	V

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



GSM1900 (EDGE 1 Tx slots)									
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)
Middle	1672.8	-63.30	-13	-50.30	-76.50	-66.55	4.00	9.40	H
	2509.2	-54.45	-13	-41.45	-78.49	-58.02	4.88	10.60	H
	3345.6	-56.92	-13	-43.92	-79.66	-61.85	5.52	12.60	H
	1672.8	-62.45	-13	-49.45	-76.44	-65.70	4.00	9.40	V
	2509.2	-53.53	-13	-40.53	-77.80	-57.10	4.88	10.60	V
	3345.6	-56.55	-13	-43.55	-79.50	-61.48	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672.8	-63.30	-13	-50.30	-76.50	-75.01	4.00	9.40	H
	2509.2	-54.45	-13	-41.45	-78.49	-73.35	4.88	10.60	H
	3345.6	-56.92	-13	-43.92	-79.66	-77.99	5.52	12.60	H
	1672.8	-62.45	-13	-49.45	-76.44	-74.87	4.00	9.40	V
	2509.2	-53.53	-13	-40.53	-77.80	-72.64	4.88	10.60	V
	3345.6	-56.55	-13	-43.55	-79.50	-77.92	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3760	-57.54	-13	-44.54	-79.88	-64.29	5.85	12.60	H
	5640	-57.22	-13	-44.22	-81.34	-63.02	7.30	13.10	H
	7520	-55.62	-13	-42.62	-81.90	-58.77	8.35	11.50	H
	3760	-55.09	-13	-42.09	-80.59	-61.84	5.85	12.60	V
	5640	-57.05	-13	-44.05	-81.32	-62.85	7.30	13.10	V
	7520	-55.67	-13	-42.67	-81.93	-58.82	8.35	11.50	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465.2	-58.58	-13	-45.58	-80.53	-65.43	5.65	12.50	H
	5197.8	-56.97	-13	-43.97	-81.13	-62.64	7.13	12.80	H
	6930.4	-55.43	-13	-42.43	-81.13	-58.83	8.40	11.80	H
	3465.2	-58.42	-13	-45.42	-80.17	-65.27	5.65	12.50	V
	5197.8	-56.28	-13	-43.28	-80.71	-61.95	7.13	12.80	V
	6930.4	-52.66	-13	-39.66	-79.28	-56.06	8.40	11.80	V

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