



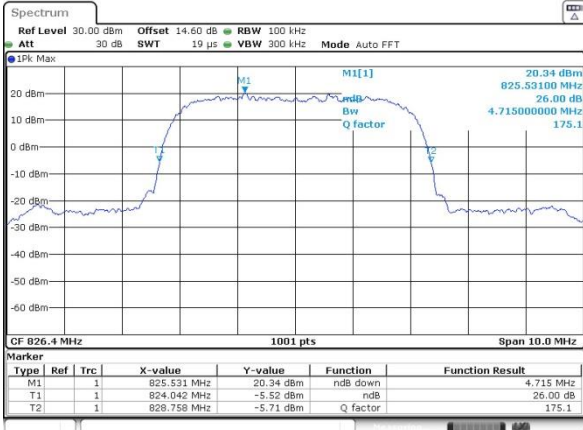
26dB Bandwidth

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



WCDMA Band V (RMC 12.2Kbps)

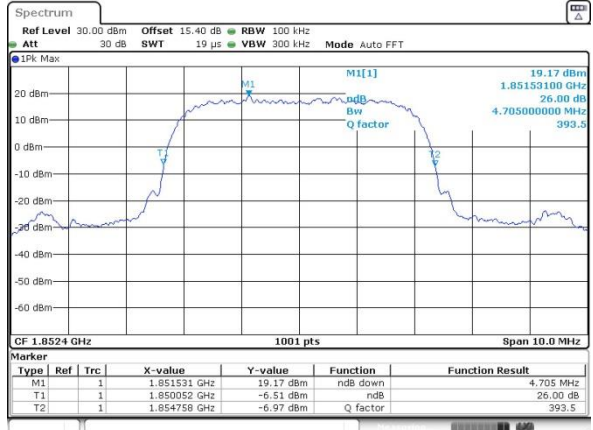
Lowest Channel



Date: 20.OCT.2022 17:08:04

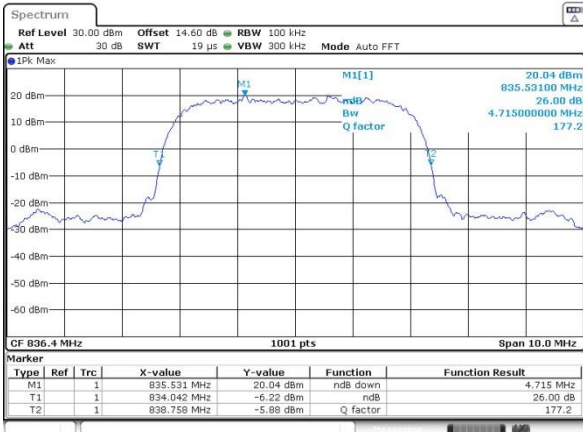
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



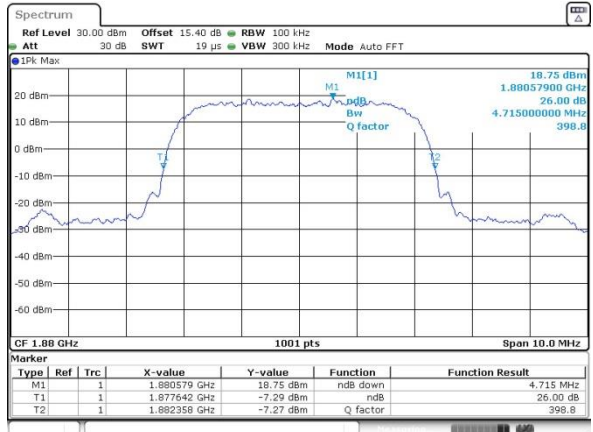
Date: 19.OCT.2022 11:06:02

Middle Channel



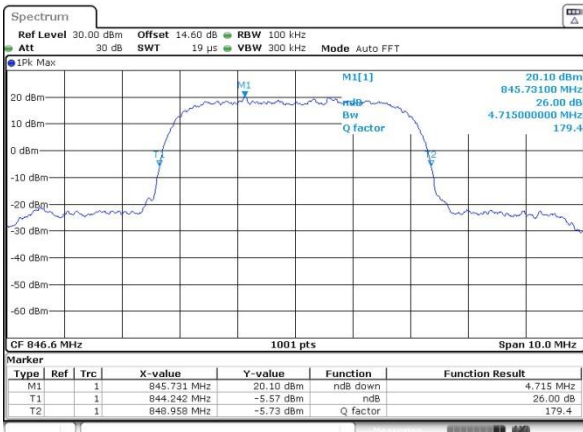
Date: 20.OCT.2022 17:08:36

Middle Channel



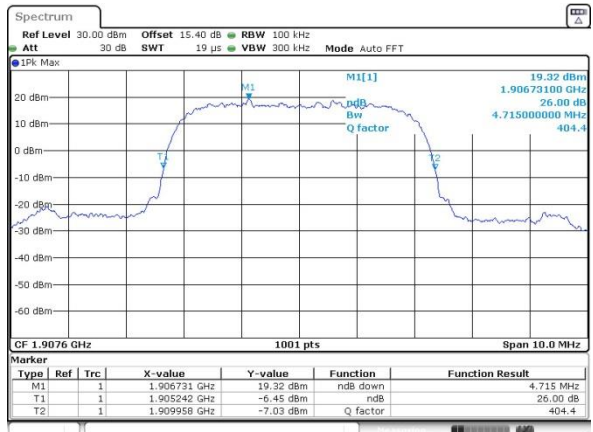
Date: 19.OCT.2022 11:06:32

Highest Channel

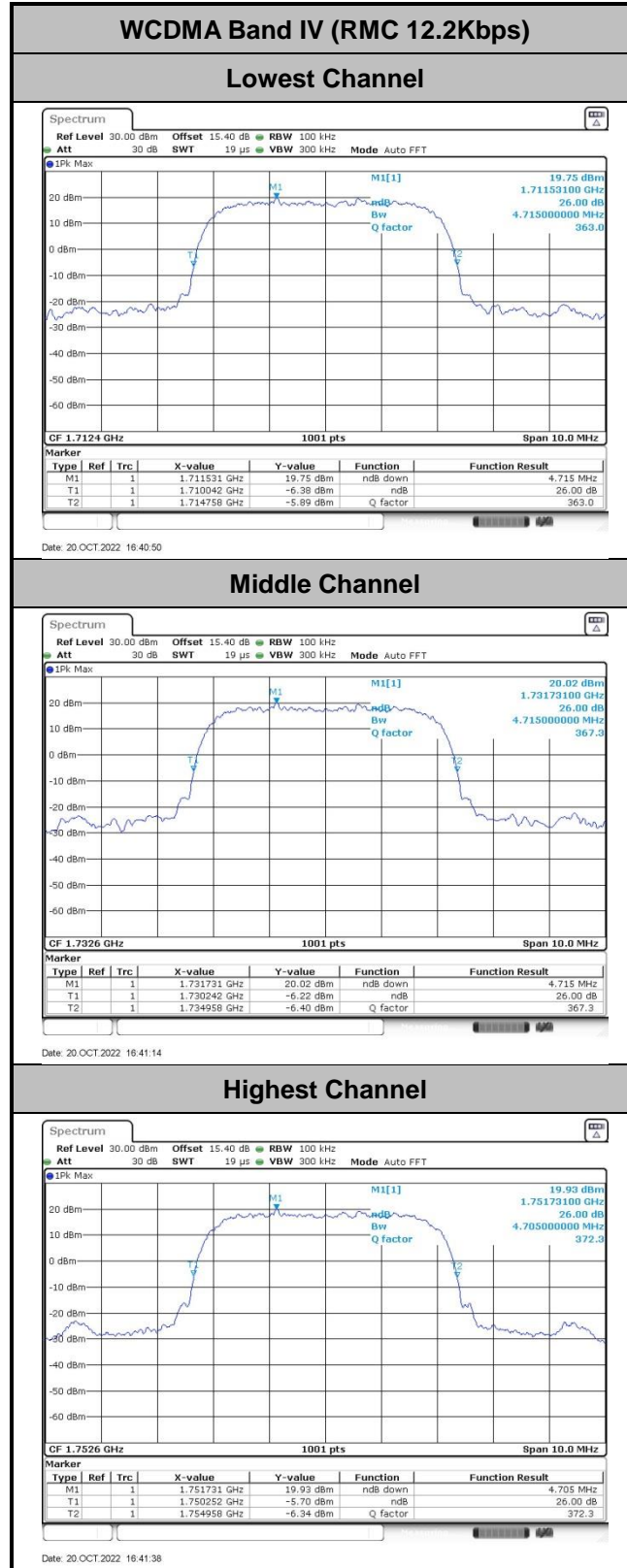


Date: 20.OCT.2022 17:07:05

Highest Channel



Date: 19.OCT.2022 11:07:01





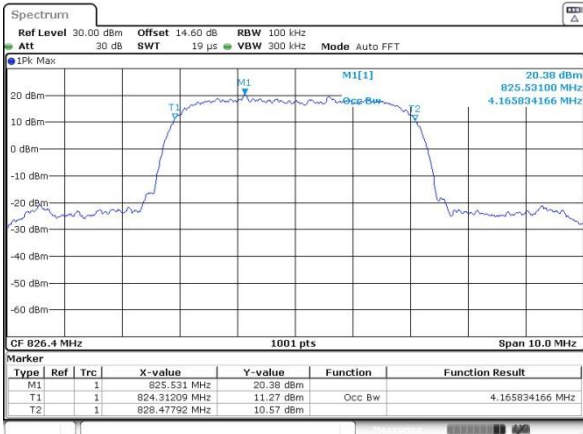
Occupied Bandwidth

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



WCDMA Band V (RMC 12.2Kbps)

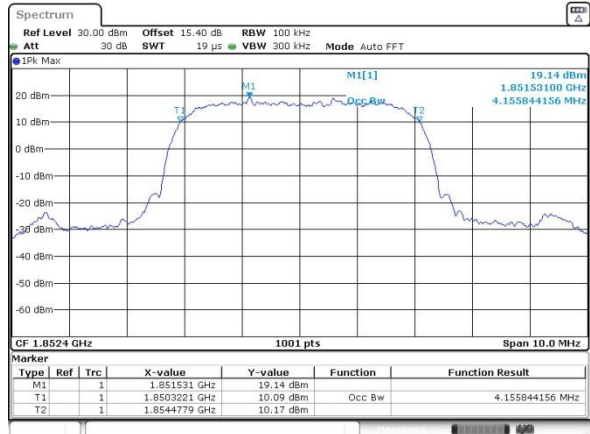
Lowest Channel



Date: 20.OCT.2022 17:07:41

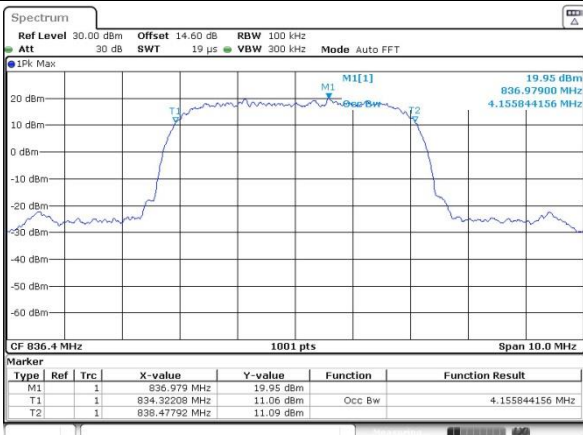
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



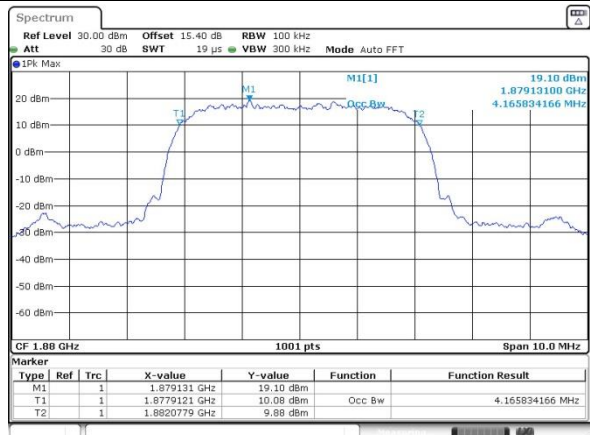
Date: 19.OCT.2022 10:59:00

Middle Channel



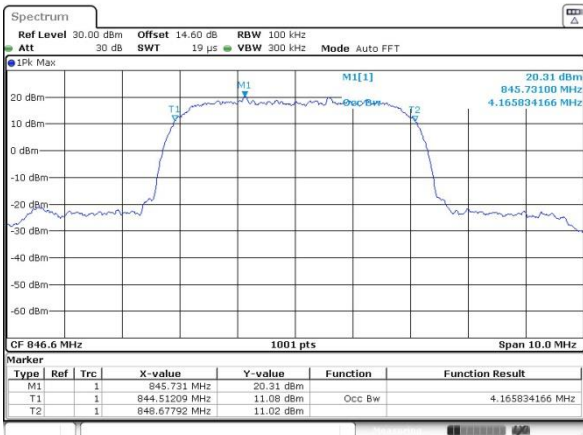
Date: 20.OCT.2022 17:08:13

Middle Channel



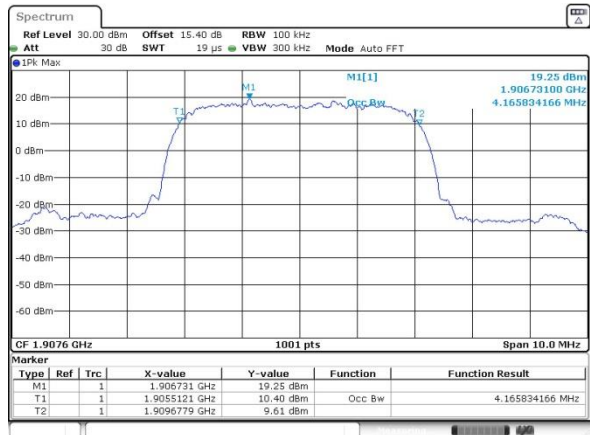
Date: 19.OCT.2022 10:59:45

Highest Channel

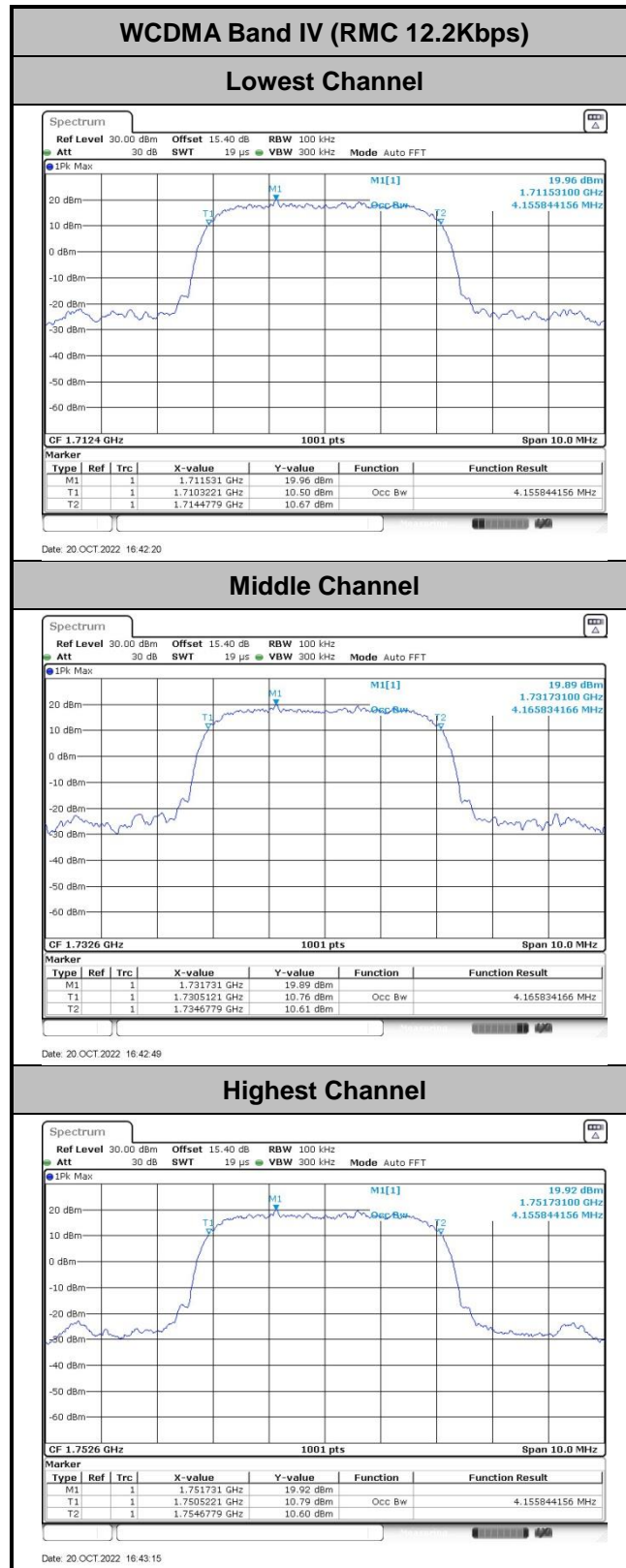


Date: 20.OCT.2022 17:08:39

Highest Channel

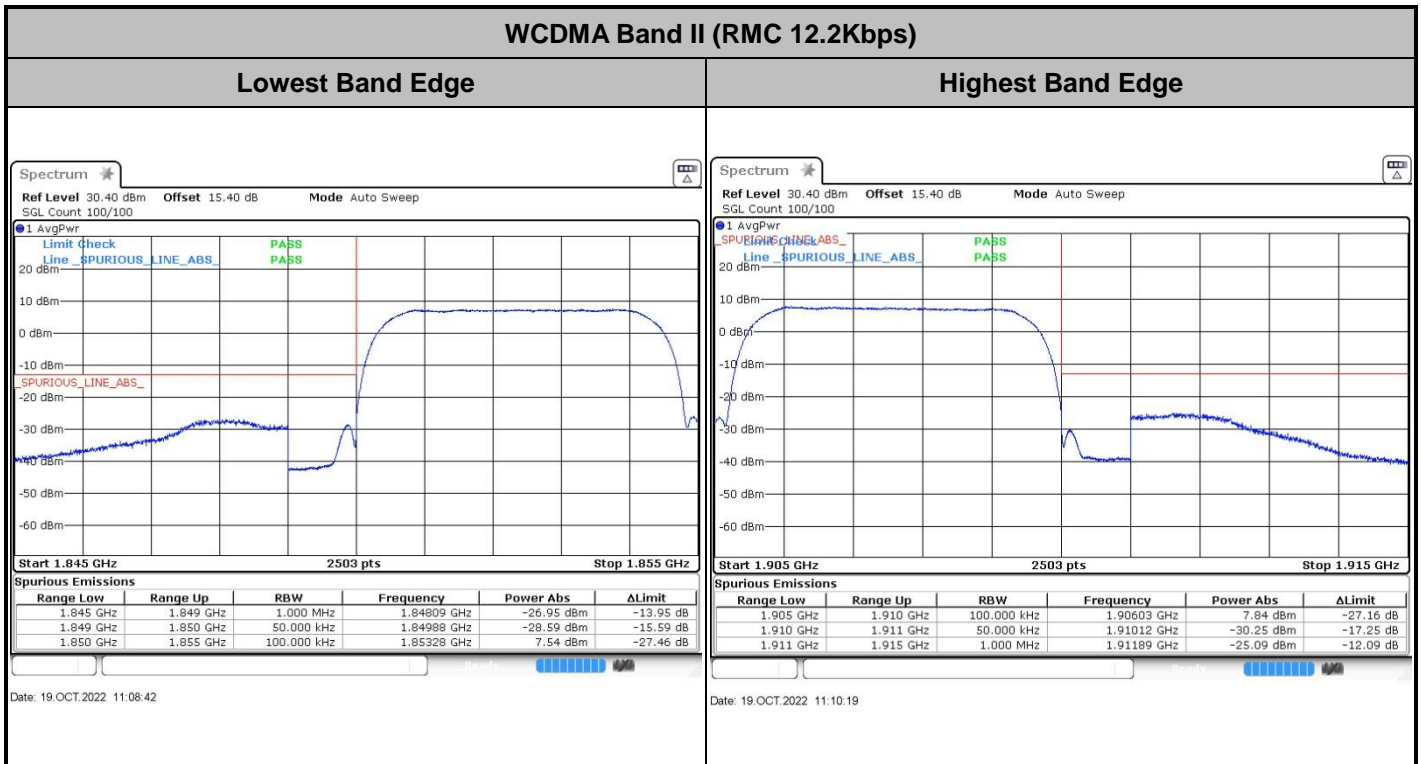
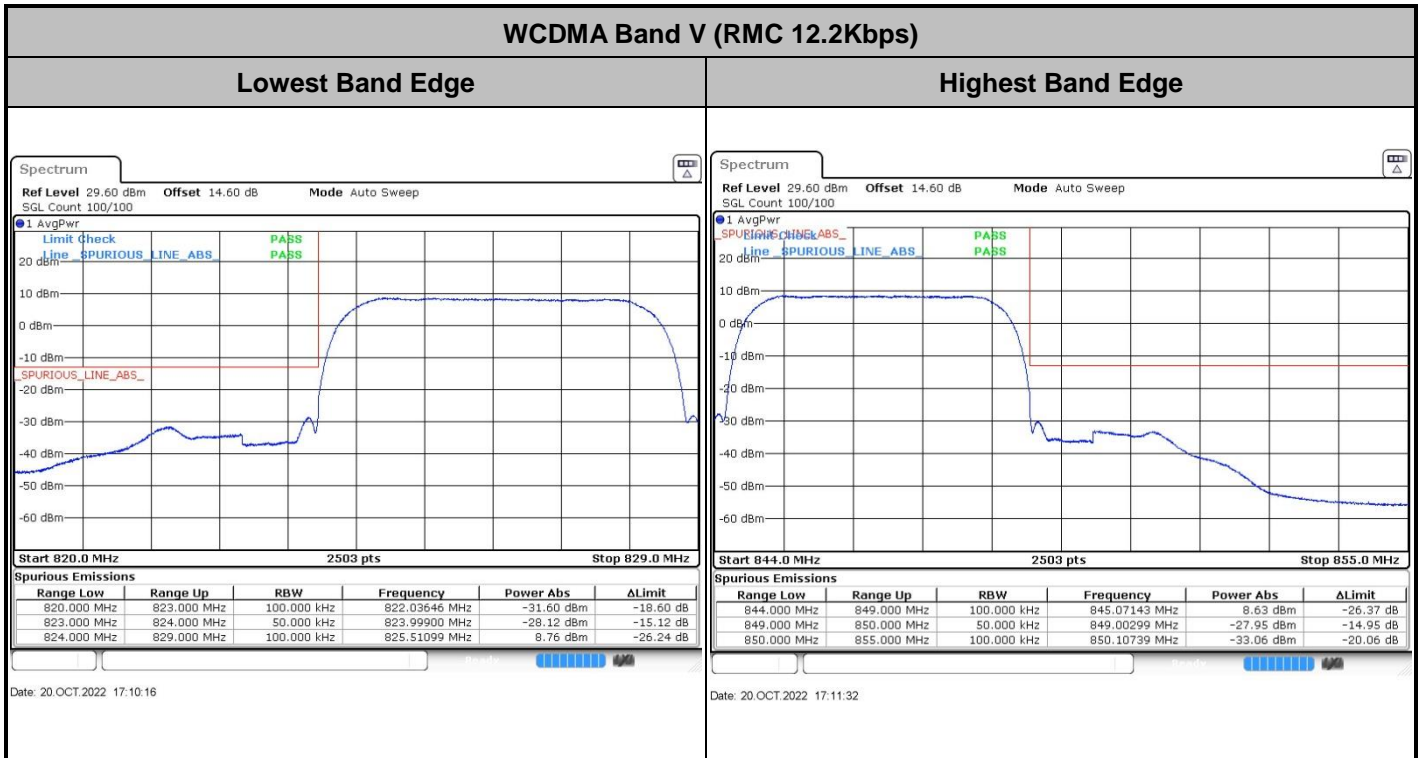


Date: 19.OCT.2022 11:00:19





Conducted Band Edge

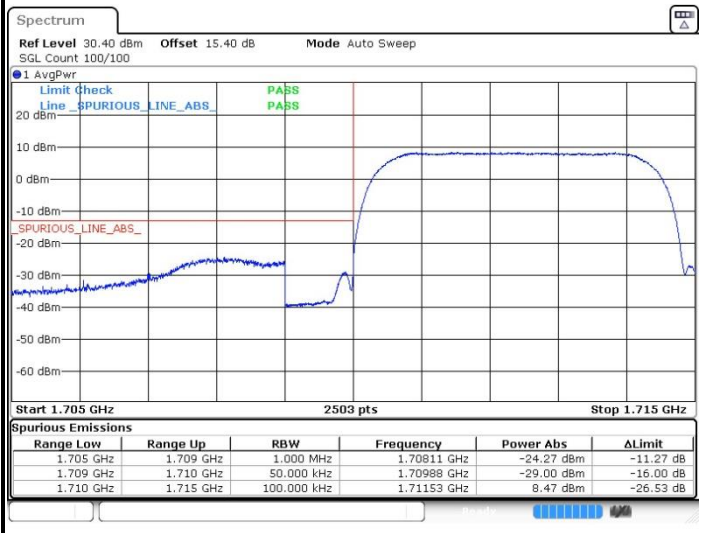




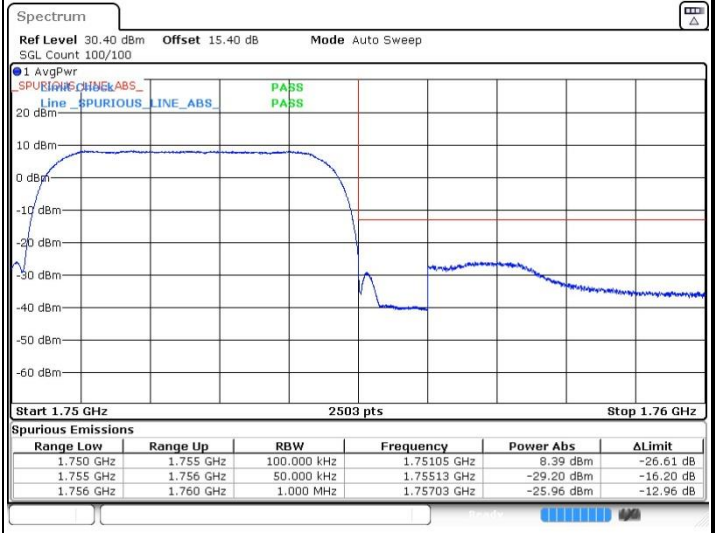
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



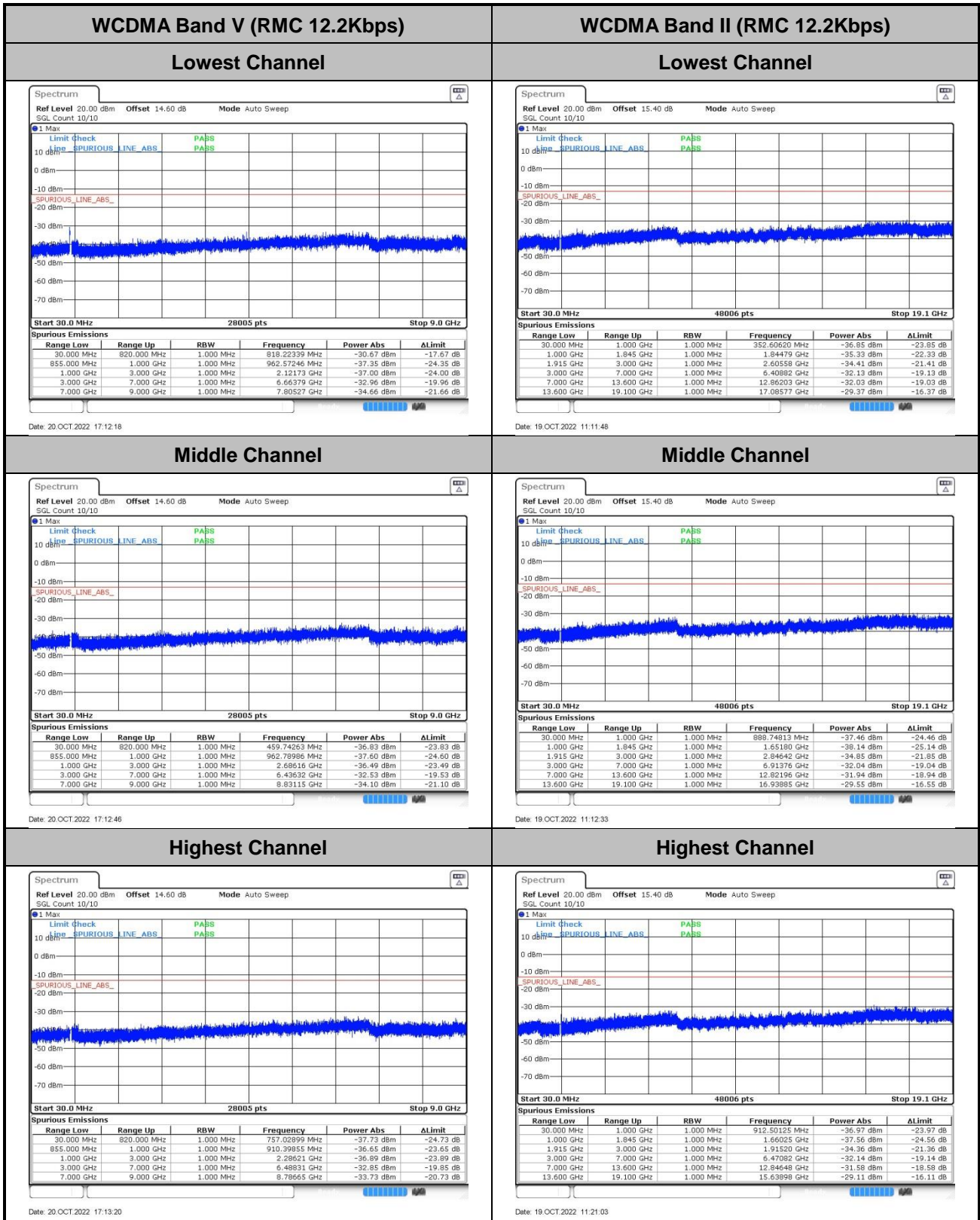
Date: 20.OCT.2022 16:44:52



Date: 20.OCT.2022 16:46:18



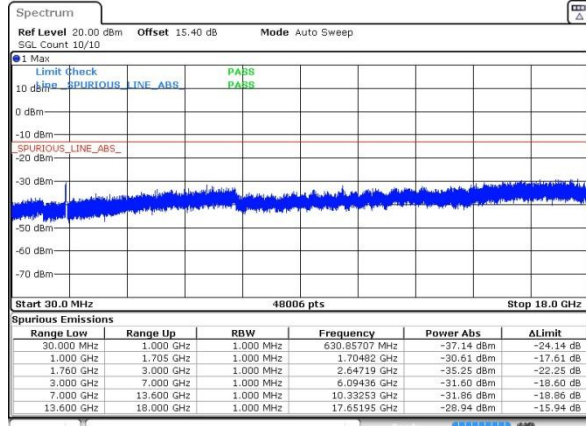
Conducted Spurious Emission





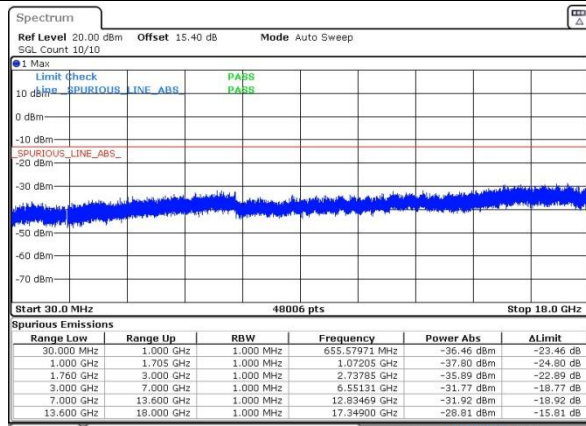
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



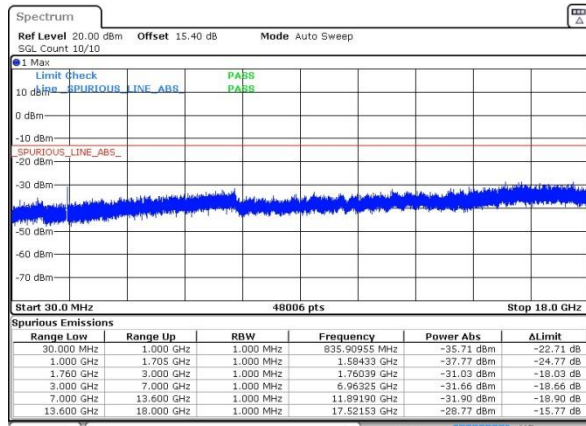
Date: 20.OCT.2022 16:47:51

Middle Channel



Date: 20.OCT.2022 16:48:18

Highest Channel



Date: 20.OCT.2022 16:48:41



Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	2.5ppm Result
50	Normal Voltage	0.0029	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0013	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2. Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0034	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0019	



Test Conditions Temperature (°C)	Middle Channel Voltage (Volt)	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0038	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage = 3.86V ; Battery End Point (BEP) =3.65V. ; Maximum Voltage =4.4V
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 :	Wenshi Wei	Temperature :	22~25°C
		Relative Humidity :	48~52%

GSM850 (GPRS 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	-54.99	-13	-41.99	-66.70	-58.24	4.00	9.40	H
	2509.2	-36.17	-13	-23.17	-55.07	-39.74	4.88	10.60	H
	3345.6	-46.21	-13	-33.21	-67.28	-51.14	5.52	12.60	H
	1672.8	-51.77	-13	-38.77	-64.19	-55.02	4.00	9.40	V
	2509.2	-44.00	-13	-31.00	-63.11	-47.57	4.88	10.60	V
	3345.6	-49.69	-13	-36.69	-71.06	-54.62	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	-56.62	-13	-43.62	-68.33	-59.87	4.00	9.40	H
	2509.2	-39.14	-13	-26.14	-58.04	-42.71	4.88	10.60	H
	3345.6	-48.57	-13	-35.57	-69.64	-53.50	5.52	12.60	H
	1672.8	-56.05	-13	-43.05	-68.47	-59.30	4.00	9.40	V
	2509.2	-45.83	-13	-32.83	-64.94	-49.40	4.88	10.60	V
	3345.6	-49.32	-13	-36.32	-70.69	-54.25	5.52	12.60	V

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

GSM1900 (GPRS 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	3760	-52.80	-13	-39.80	-75.14	-59.55	5.85	12.60	H
	5640	-52.83	-13	-39.83	-76.95	-58.63	7.30	13.10	H
	7520	-55.07	-13	-42.07	-81.35	-58.22	8.35	11.50	H
	3760	-48.50	-13	-35.50	-74	-55.25	5.85	12.60	V
	5640	-54.76	-13	-41.76	-79.03	-60.56	7.30	13.10	V
	7520	-53.89	-13	-40.89	-80.15	-57.04	8.35	11.50	V

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



GSM1900 (GPRS 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	3760	-54.80	-13	-41.80	-77.14	-61.55	5.85	12.60	H
	5640	-54.90	-13	-41.90	-79.02	-60.70	7.30	13.10	H
	7520	-54.47	-13	-41.47	-80.75	-57.62	8.35	11.50	H
	3760	-50.91	-13	-37.91	-76.41	-57.66	5.85	12.60	V
	5640	-53.51	-13	-40.51	-77.78	-59.31	7.30	13.10	V
	7520	-54.10	-13	-41.10	-80.36	-57.25	8.35	11.50	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	-65.39	-13	-52.39	-77.10	-68.64	4.00	9.40	H
	2509.2	-59.71	-13	-46.71	-78.61	-63.28	4.88	10.60	H
	3345.6	-58.80	-13	-45.80	-79.87	-63.73	5.52	12.60	H
	1672.8	-64.22	-13	-51.22	-76.64	-67.47	4.00	9.40	V
	2509.2	-59.68	-13	-46.68	-78.79	-63.25	4.88	10.60	V
	3345.6	-58.40	-13	-45.40	-79.77	-63.33	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	-57.42	-13	-44.42	-79.76	-64.17	5.85	12.60	H
	5640	-56.98	-13	-43.98	-81.10	-62.78	7.30	13.10	H
	7520	-55.18	-13	-42.18	-81.46	-58.33	8.35	11.50	H
	3760	-54.53	-13	-41.53	-80.03	-61.28	5.85	12.60	V
	5640	-56.91	-13	-43.91	-81.18	-62.71	7.30	13.10	V
	7520	-55.42	-13	-42.42	-81.68	-58.57	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	-58.54	-13	-45.54	-80.49	-65.39	5.65	12.50	H
	5197.8	-57.21	-13	-44.21	-81.37	-62.88	7.13	12.80	H
	6930.4	-55.80	-13	-42.80	-81.50	-59.20	8.40	11.80	H
	3465.2	-57.79	-13	-44.79	-79.54	-64.64	5.65	12.50	V
	5197.8	-56.80	-13	-43.80	-81.23	-62.47	7.13	12.80	V
	6930.4	-55.07	-13	-42.07	-81.69	-58.47	8.40	11.80	V

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