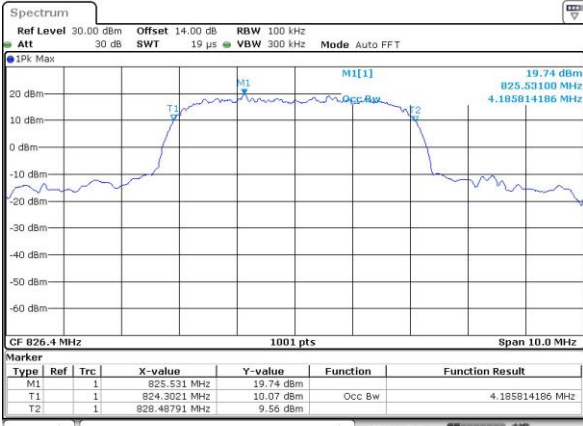




WCDMA Band V (RMC 12.2Kbps)

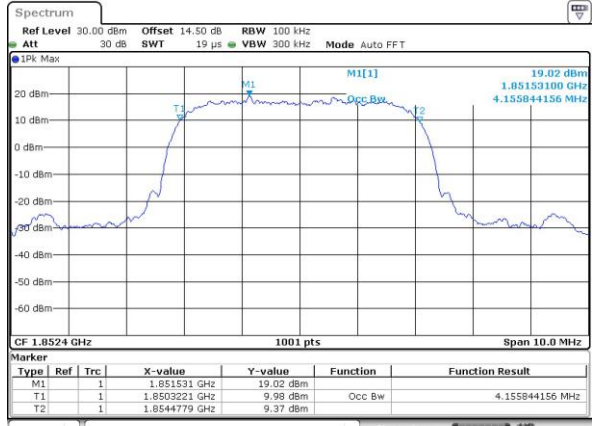
Lowest Channel



Date: 19_DEC.2021 02:33:59

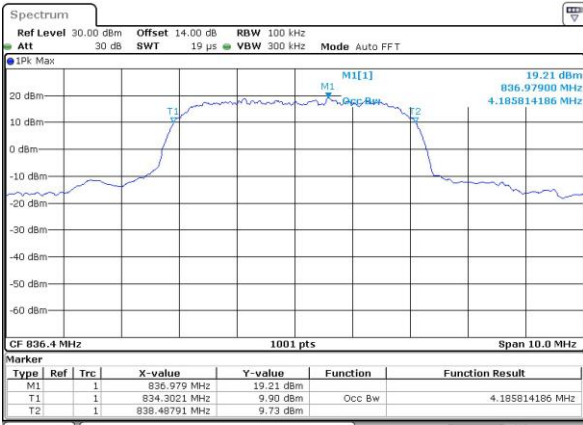
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



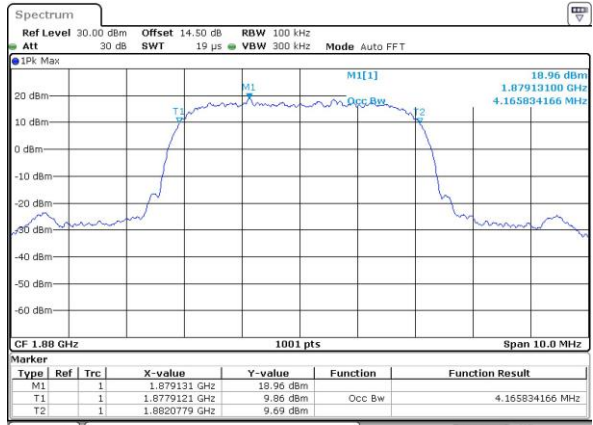
Date: 19_DEC.2021 02:10:15

Middle Channel



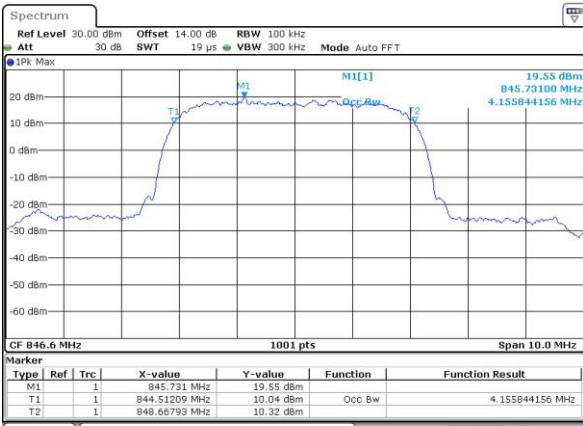
Date: 19_DEC.2021 02:34:20

Middle Channel



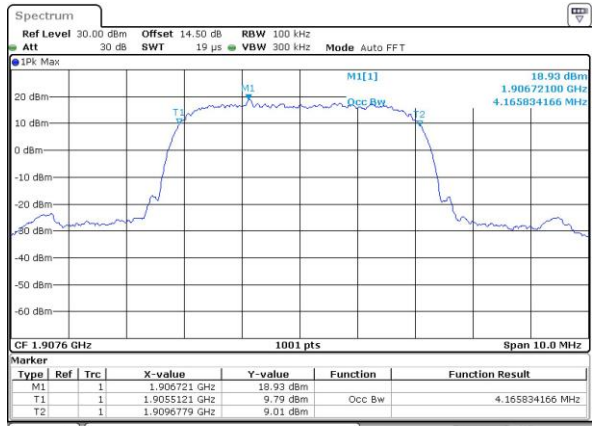
Date: 19_DEC.2021 02:10:36

Highest Channel



Date: 19_DEC.2021 02:34:42

Highest Channel

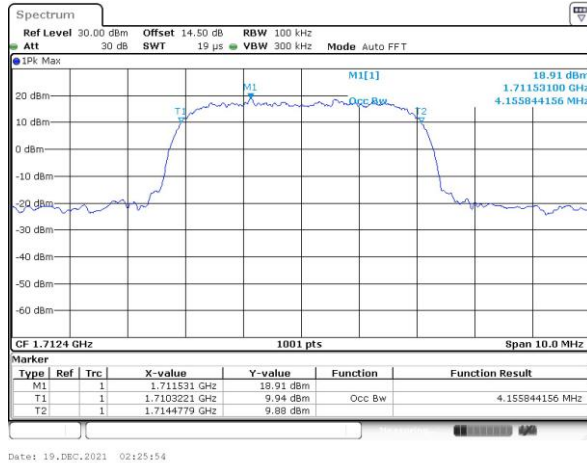


Date: 19_DEC.2021 02:10:58

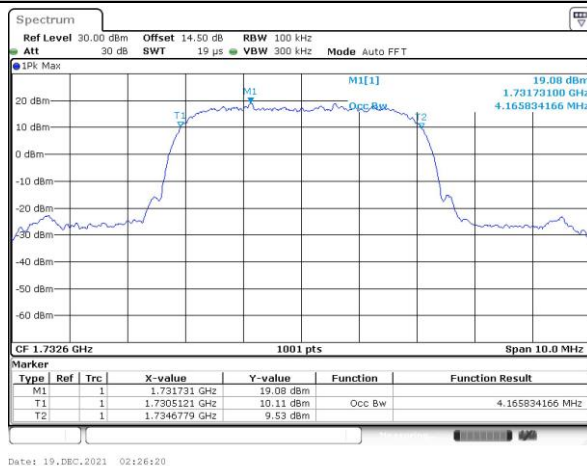


WCDMA Band IV (RMC 12.2Kbps)

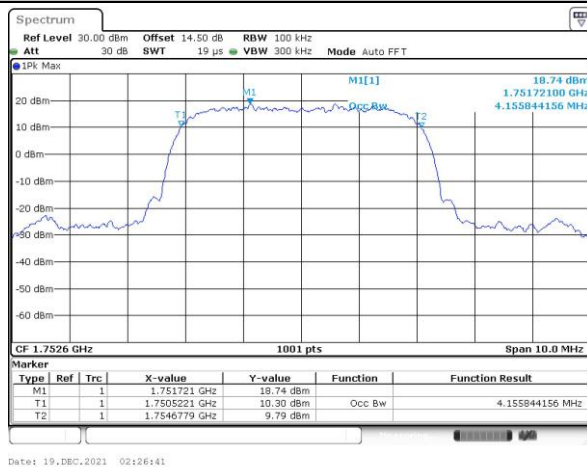
Lowest Channel



Middle Channel

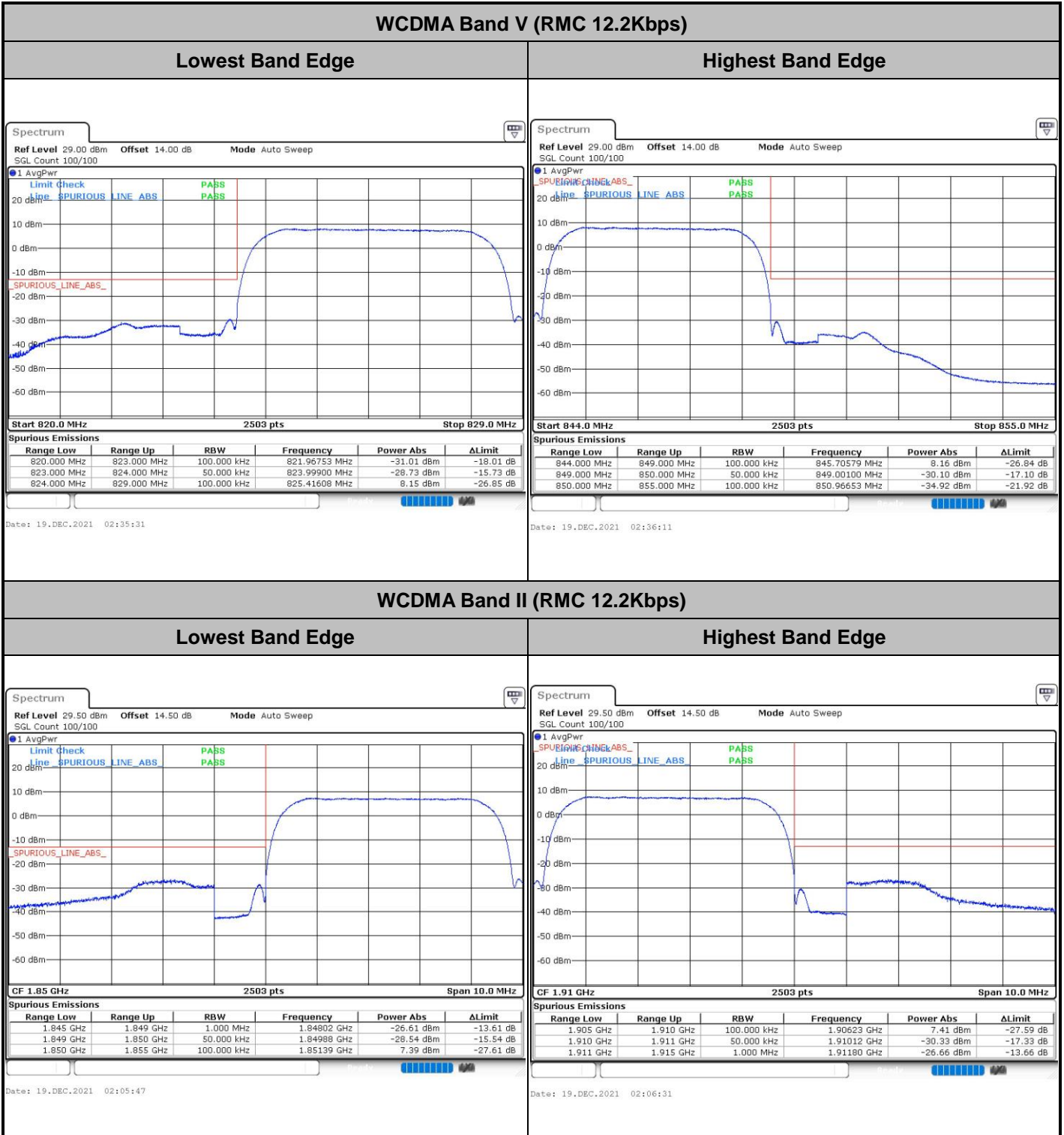


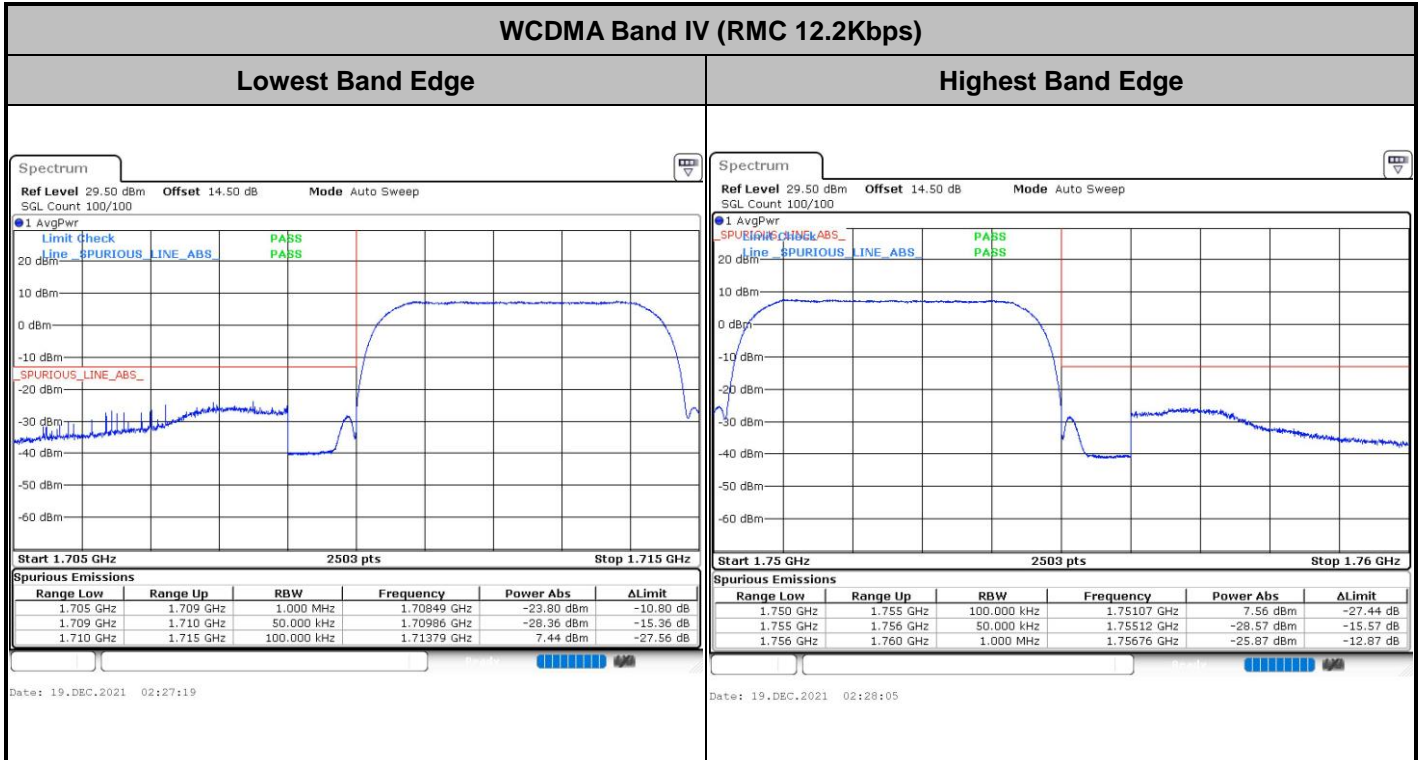
Highest Channel





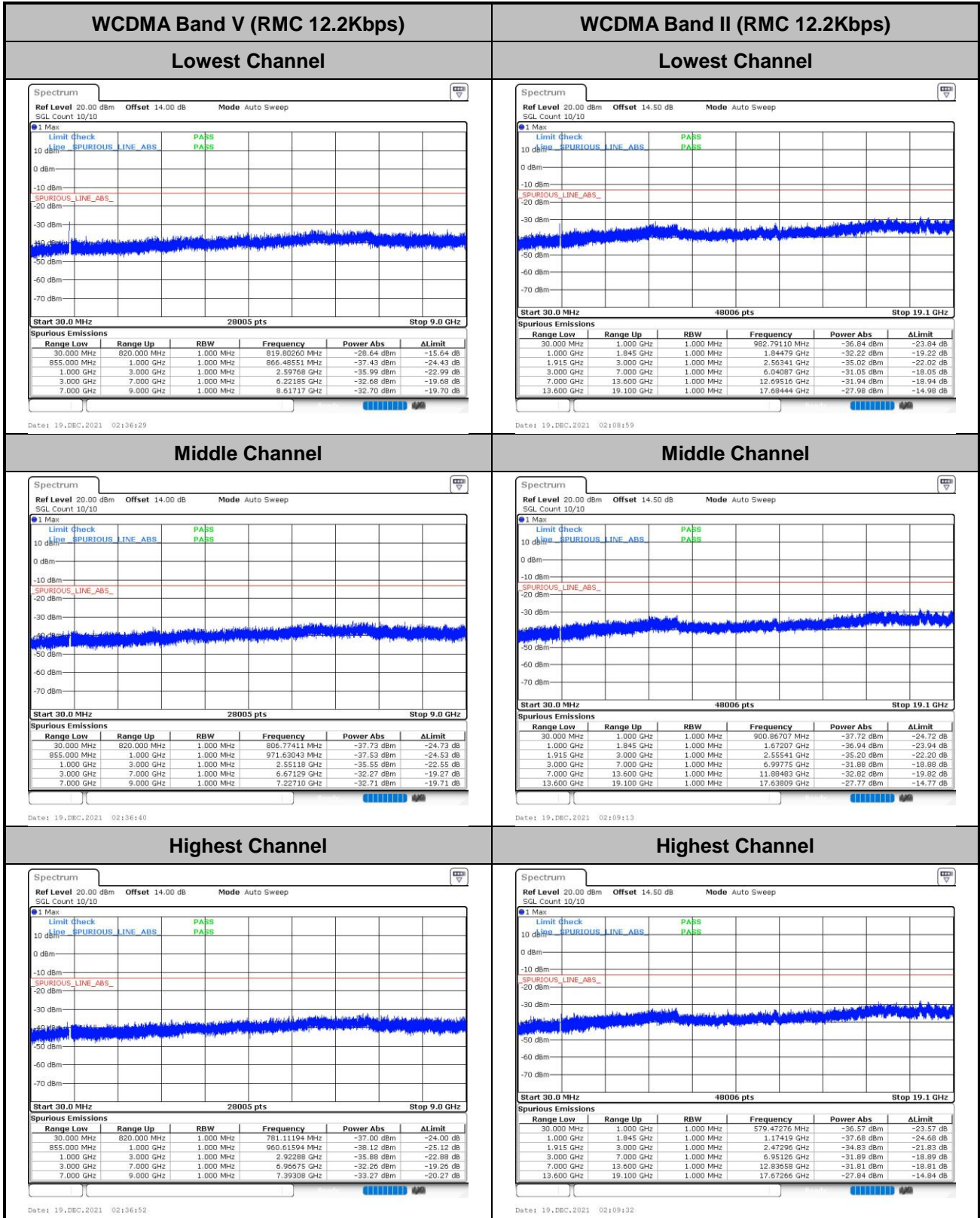
Conducted Band Edge







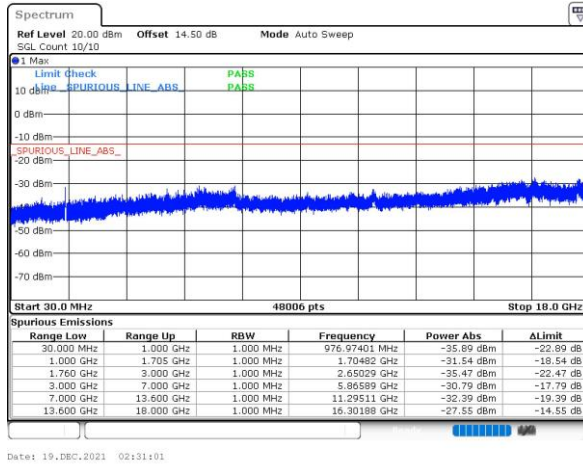
Conducted Spurious Emission



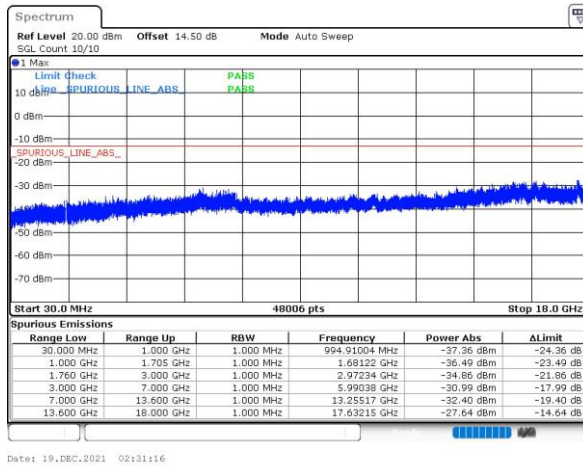


WCDMA Band IV (RMC 12.2Kbps)

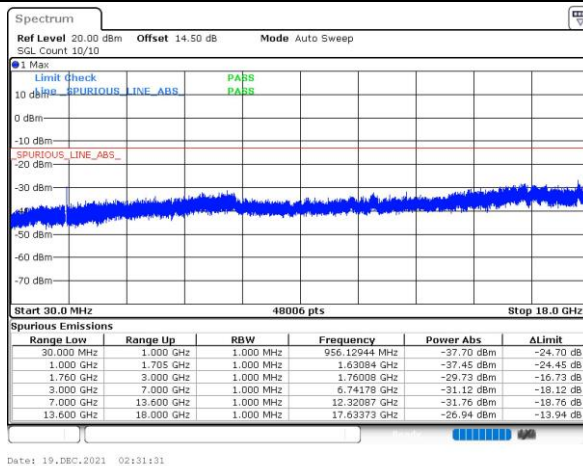
Lowest Channel



Middle Channel



Highest Channel





Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2KbpsRMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45 V
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	0.0002	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45 V
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 Spurious Emission Test

Test Engineer :	Zhaohui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

GSM850									
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	-58.29	-13	-45.29	-70.00	-61.54	4.00	9.40	H
	2509.2	-55.38	-13	-42.38	-74.28	-58.95	4.88	10.60	H
	3345.6	-54.43	-13	-41.43	-75.50	-59.36	5.52	12.60	H
	4182	-51.19	-13	-38.19	-72.86	-55.66	6.00	12.62	H
	1672.8	-51.31	-13	-38.31	-63.73	-54.56	4.00	9.40	V
	2509.2	-51.92	-13	-38.92	-71.03	-55.49	4.88	10.60	V
	3345.6	-54.07	-13	-41.07	-75.44	-59.00	5.52	12.60	V
	4182	-46.91	-13	-33.91	-71.11	-51.38	6.00	12.62	V

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

EDGE 850									
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	-57.99	-13	-44.99	-69.70	-61.24	4.00	9.40	H
	2509.2	-56.99	-13	-43.99	-75.89	-60.56	4.88	10.60	H
	3345.6	-56.99	-13	-43.99	-78.06	-61.92	5.52	12.60	H
	1672.8	-53.33	-13	-40.33	-65.75	-56.58	4.00	9.40	V
	2509.2	-56.75	-13	-43.75	-75.86	-60.32	4.88	10.60	V
	3345.6	-54.75	-13	-41.75	-76.12	-59.68	5.52	12.60	V

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

WCDMA 850									
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	-66.92	-13	-53.92	-78.63	-70.17	4.00	9.40	H
	2509.2	-60.72	-13	-47.72	-79.62	-64.29	4.88	10.60	H
	3345.6	-60.36	-13	-47.36	-81.43	-65.29	5.52	12.60	H
	1672.8	-64.98	-13	-51.98	-77.40	-68.23	4.00	9.40	V
	2509.2	-60.78	-13	-47.78	-79.89	-64.35	4.88	10.60	V
	3345.6	-59.98	-13	-46.98	-81.35	-64.91	5.52	12.60	V

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



GSM1900									
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	-52.77	-13	-39.77	-75.11	-59.52	5.85	12.60	H
	5640	-53.82	-13	-40.82	-77.94	-59.62	7.30	13.10	H
	7520	-55.19	-13	-42.19	-81.47	-58.34	8.35	11.50	H
	9400	-50.71	-13	-37.71	-78.70	-52.86	9.85	12.00	H
	3760	-48.02	-13	-35.02	-73.52	-54.77	5.85	12.60	V
	5640	-55.70	-13	-42.70	-79.97	-61.50	7.30	13.10	V
	7520	-55.46	-13	-42.46	-81.72	-58.61	8.35	11.50	V
	9400	-51.40	-13	-38.40	-80.76	-53.55	9.85	12.00	V

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

EDGE1900									
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	-53.35	-13	-40.35	-75.69	-60.10	5.85	12.60	H
	5640	-54.59	-13	-41.59	-78.71	-60.39	7.30	13.10	H
	7520	-55.29	-13	-42.29	-81.57	-58.44	8.35	11.50	H
	9400	-49.90	-13	-36.90	-77.89	-52.05	9.85	12.00	H
	3760	-46.24	-13	-33.24	-71.74	-52.99	5.85	12.60	V
	5640	-53.31	-13	-40.31	-77.58	-59.11	7.30	13.10	V
	7520	-55.14	-13	-42.14	-81.4	-58.29	8.35	11.50	V
	9400	-50.38	-13	-37.38	-79.74	-52.53	9.85	12.00	V

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

WCDMA1900									
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	-50.84	-13	-37.84	-73.18	-57.59	5.85	12.60	H
	5640	-56.67	-13	-43.67	-80.79	-62.47	7.30	13.10	H
	7520	-55.29	-13	-42.29	-81.57	-58.44	8.35	11.50	H
	3760	-48.59	-13	-35.59	-74.09	-55.34	5.85	12.60	V
	5640	-56.32	-13	-43.32	-80.59	-62.12	7.30	13.10	V
	7520	-54.94	-13	-41.94	-81.2	-58.09	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	-56.58	-13	-43.58	-78.53	-63.43	5.65	12.50	H
	5197.8	-56.83	-13	-43.83	-80.99	-62.50	7.13	12.80	H
	6930.4	-55.55	-13	-42.55	-81.25	-58.95	8.40	11.80	H
	3465.2	-57.63	-13	-44.63	-79.38	-64.48	5.65	12.50	V
	5197.8	-56.47	-13	-43.47	-80.9	-62.14	7.13	12.80	V
	6930.4	-54.78	-13	-41.78	-81.4	-58.18	8.40	11.80	V

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