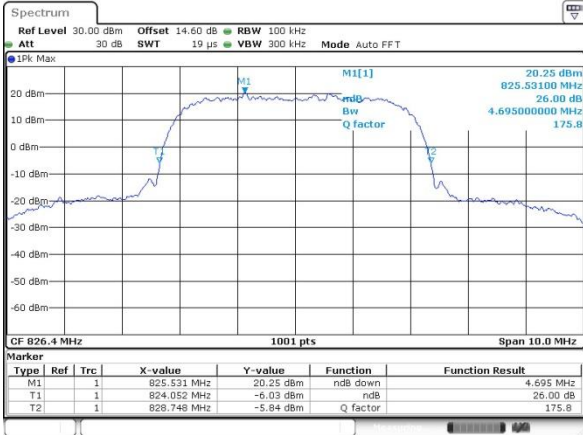




WCDMA Band V (RMC 12.2Kbps)

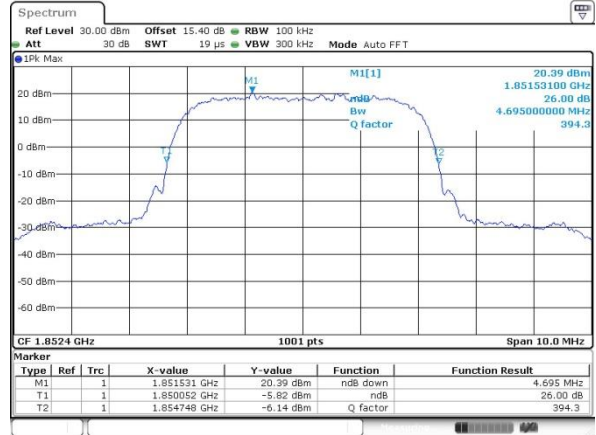
Lowest Channel



Date: 30\_JAN\_2022 14:34:52

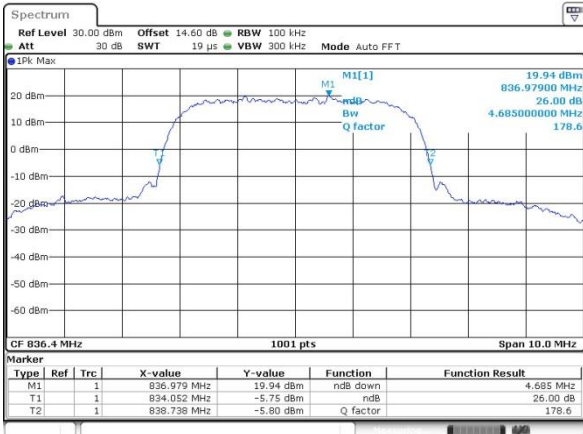
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



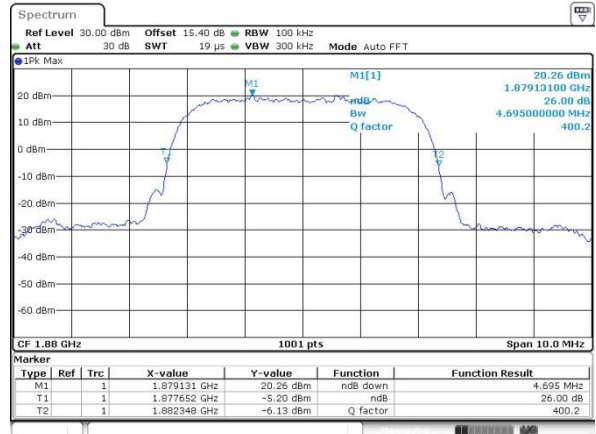
Date: 30\_JAN\_2022 13:51:30

Middle Channel



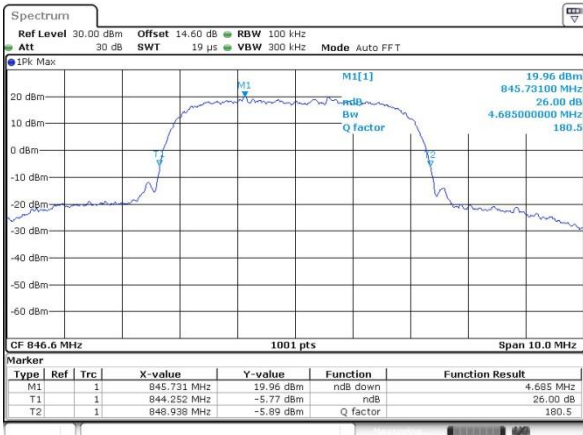
Date: 30\_JAN\_2022 14:36:12

Middle Channel



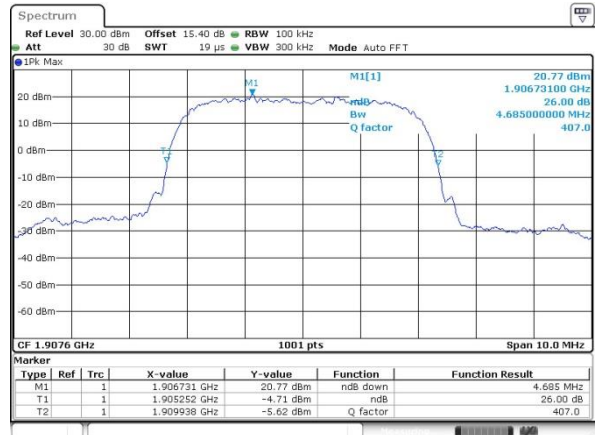
Date: 30\_JAN\_2022 13:52:07

Highest Channel

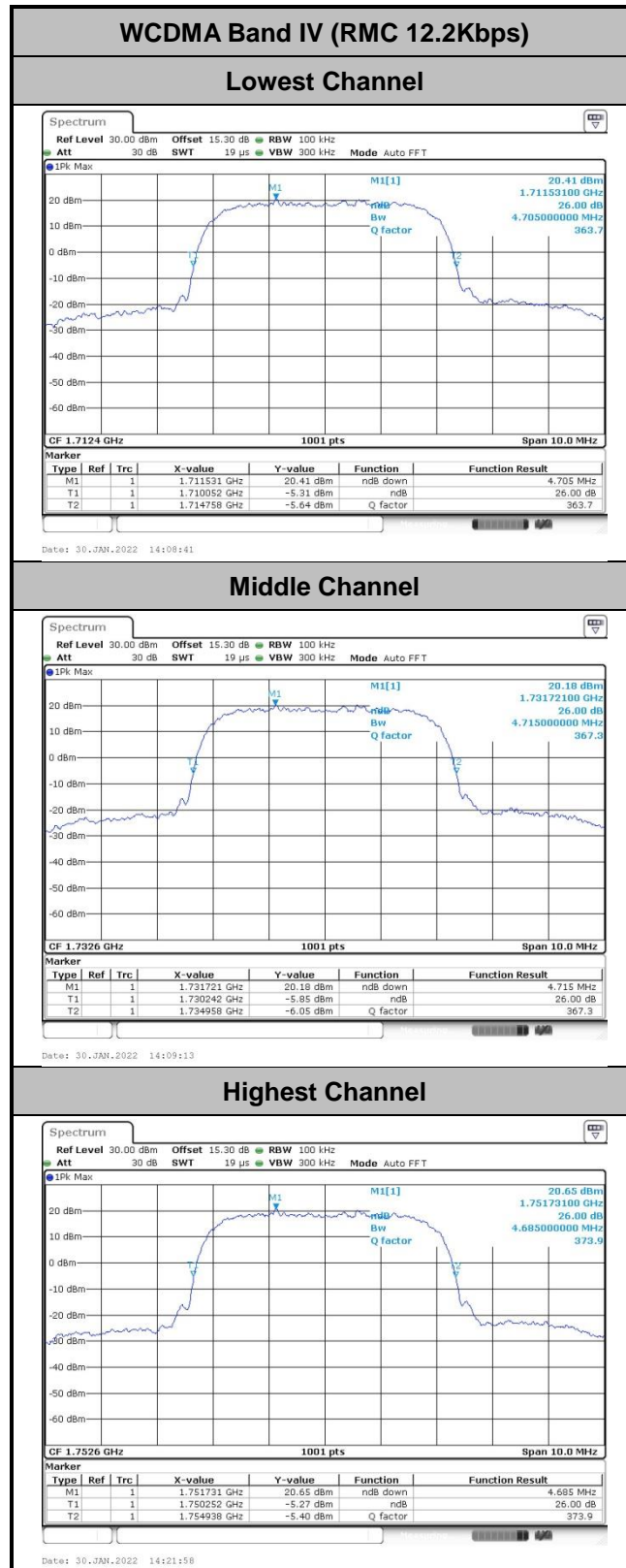


Date: 30\_JAN\_2022 14:36:39

Highest Channel



Date: 30\_JAN\_2022 13:52:54





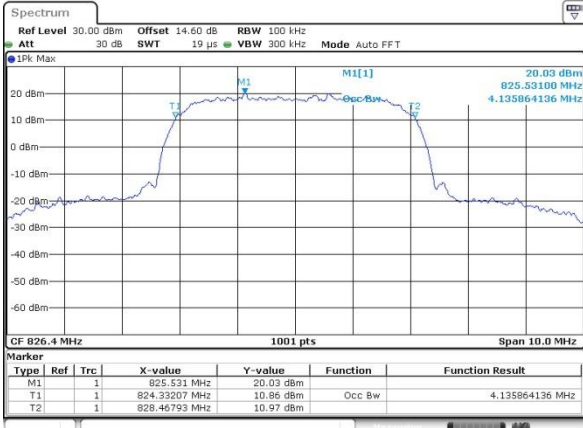
**Occupied Bandwidth**

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	4.14	4.14	4.15
Middle CH	4.15	4.14	4.15
Highest CH	4.13	4.14	4.14



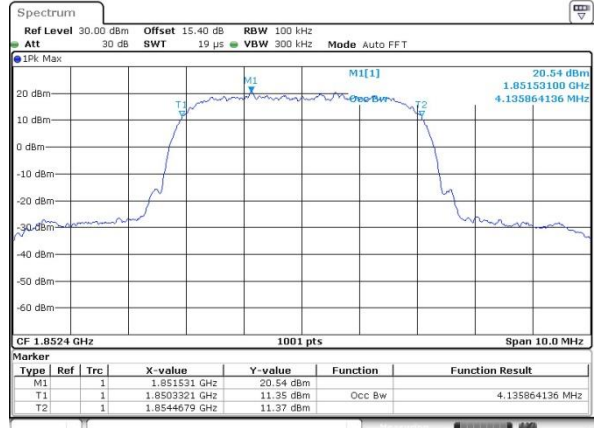
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

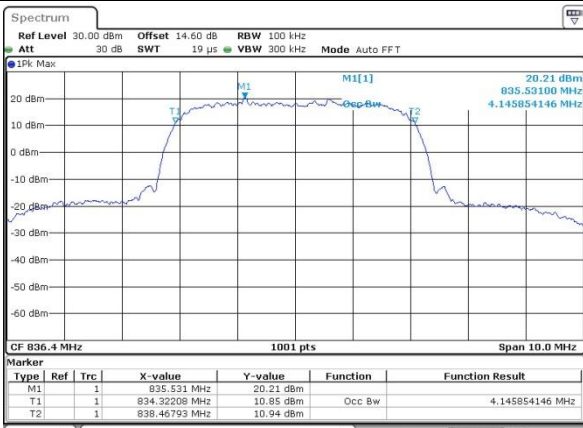


WCDMA Band II (RMC 12.2Kbps)

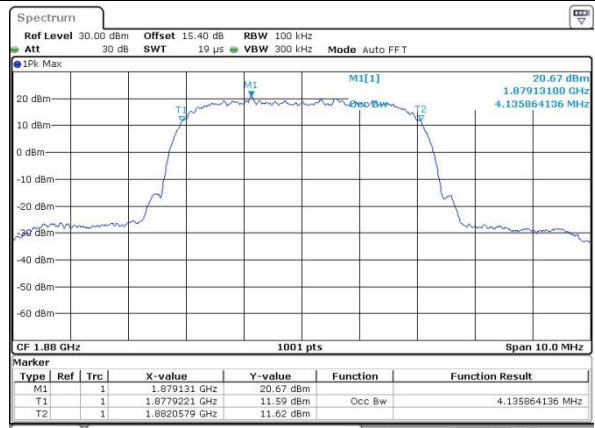
Lowest Channel



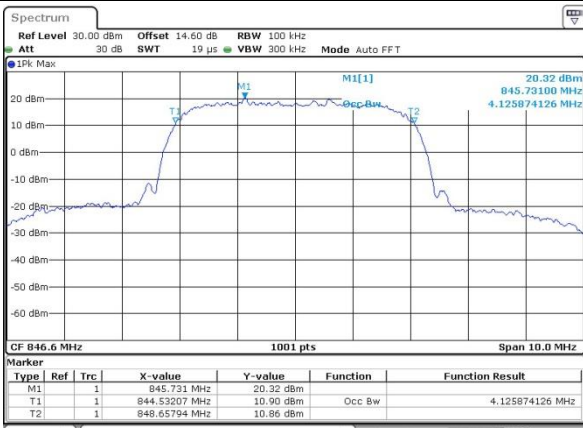
Middle Channel



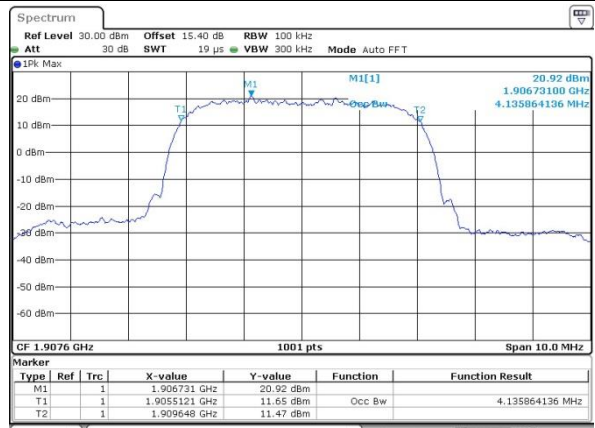
Middle Channel

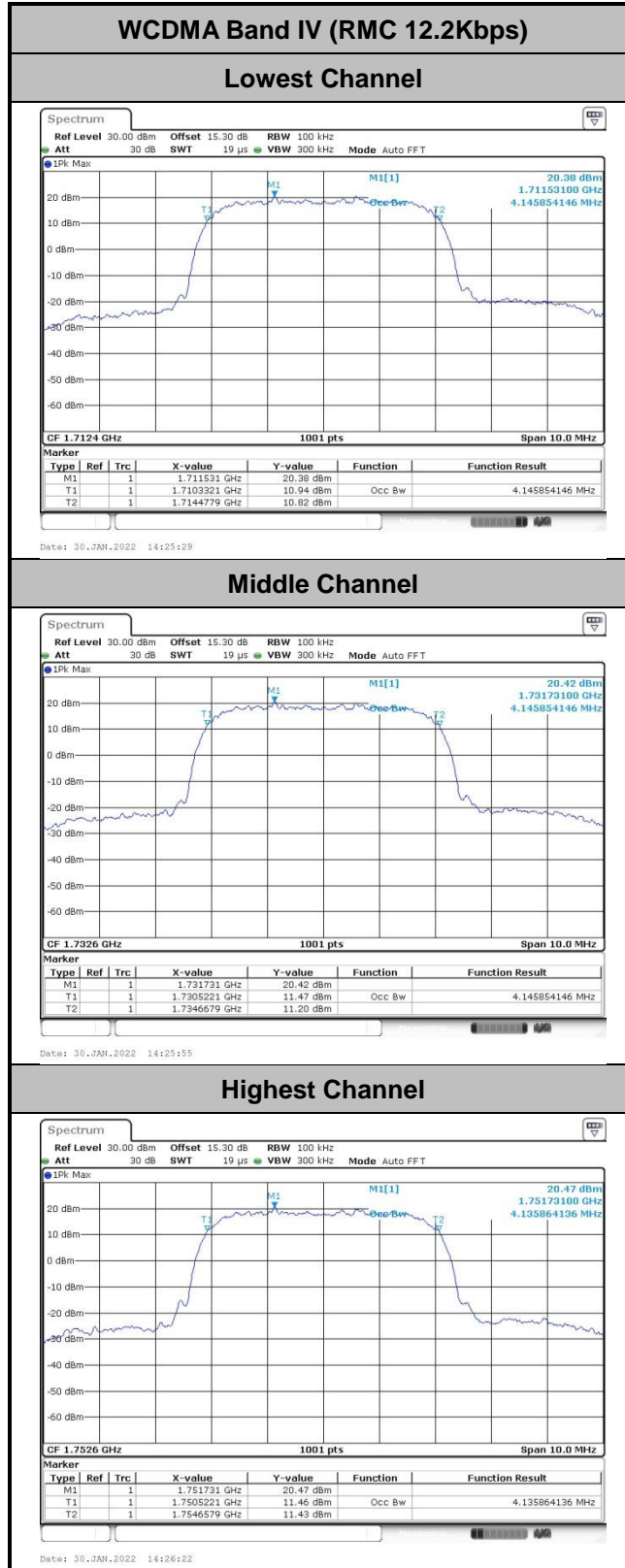


Highest Channel



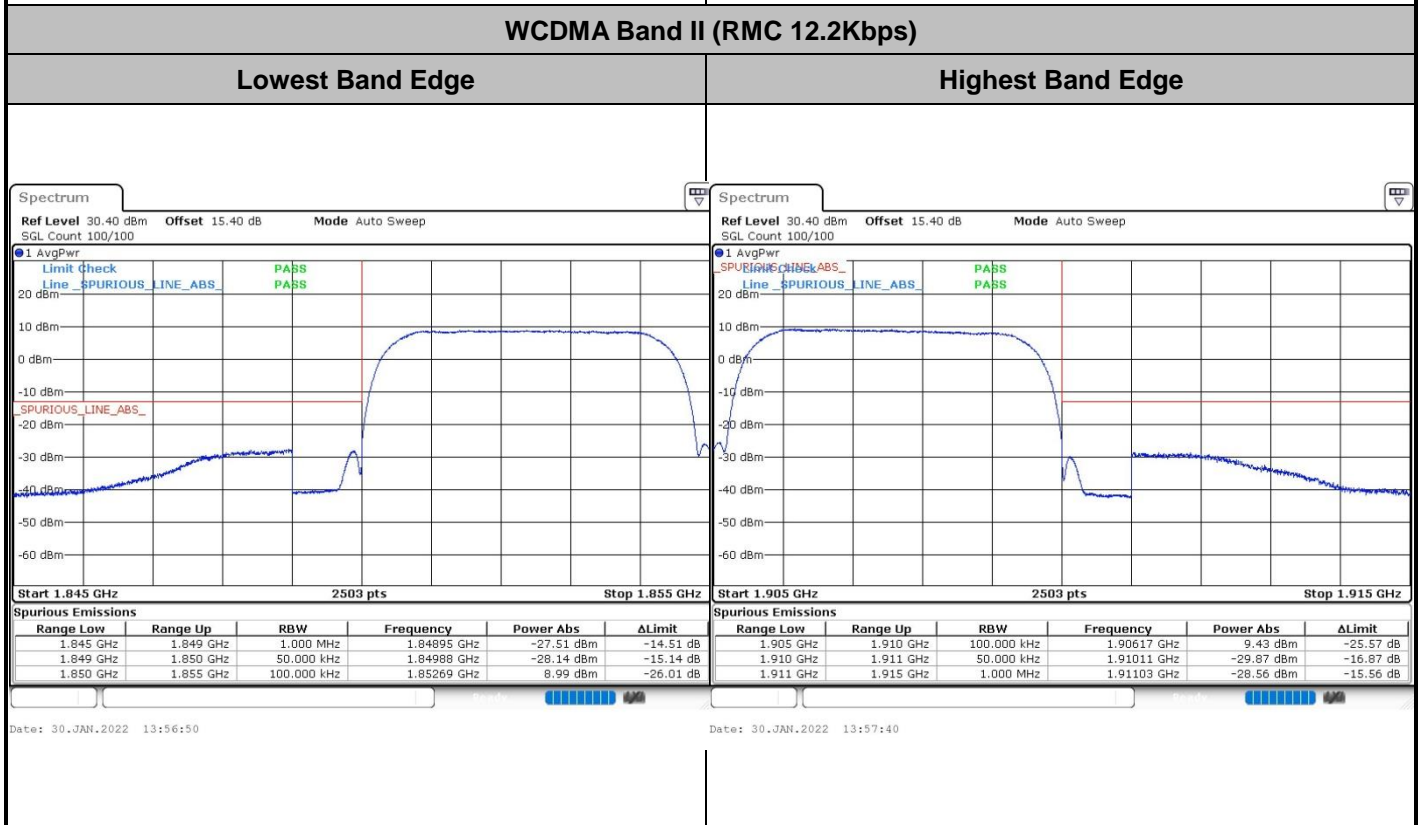
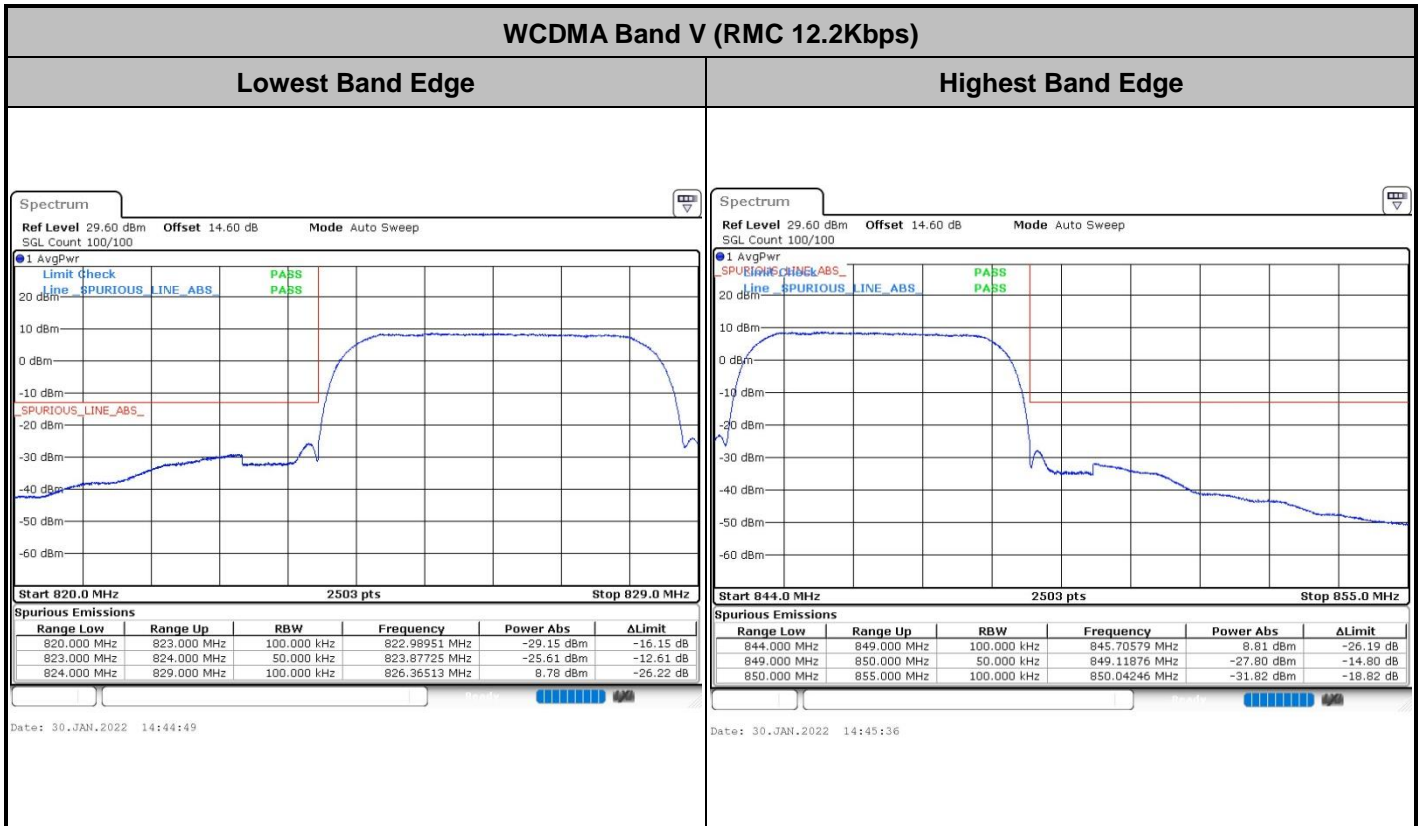
Highest Channel

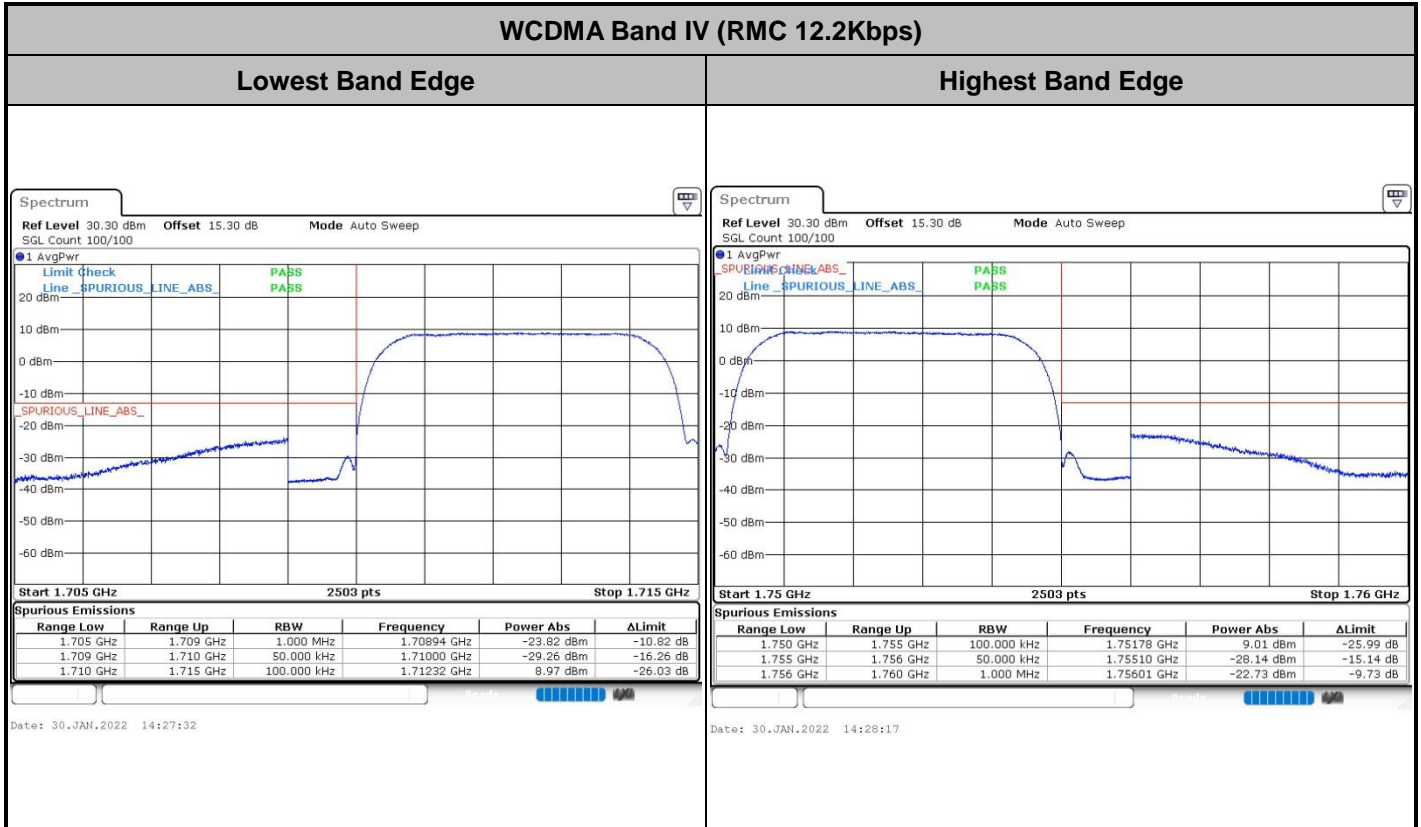






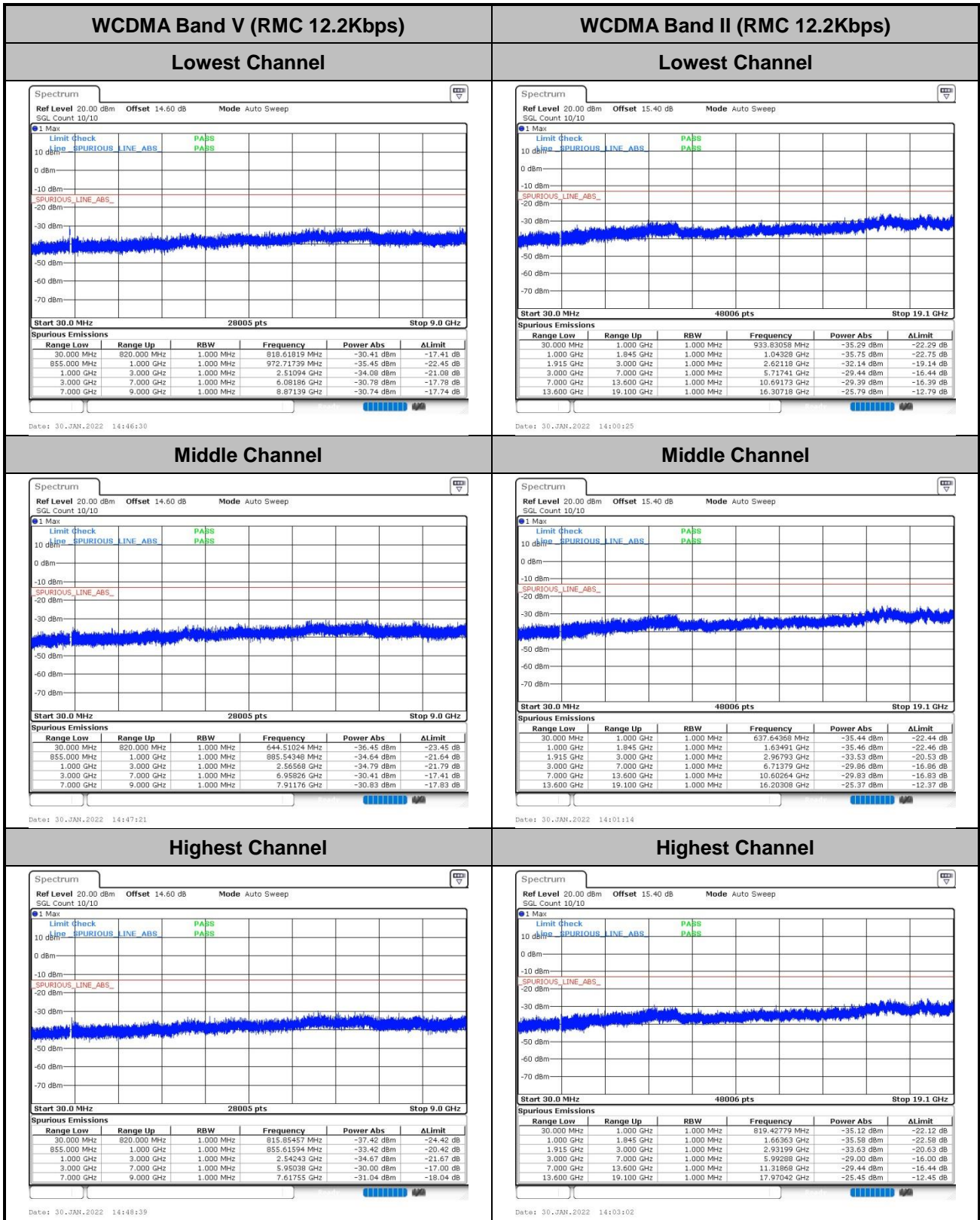
# Conducted Band Edge







# Conducted Spurious Emission

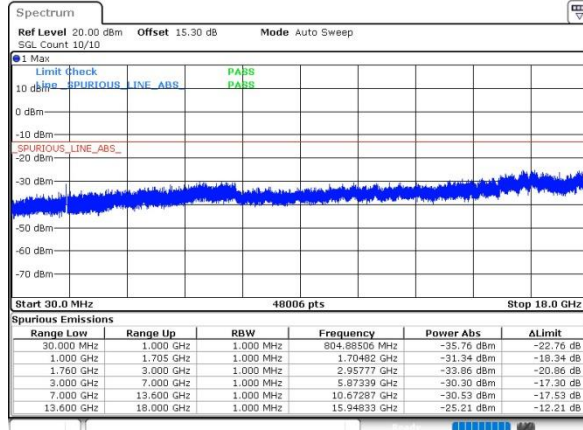






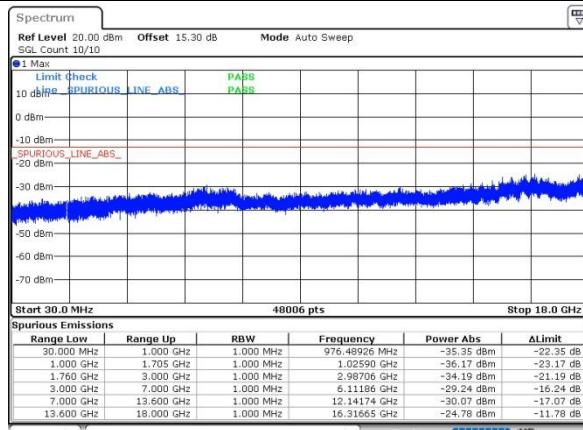
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



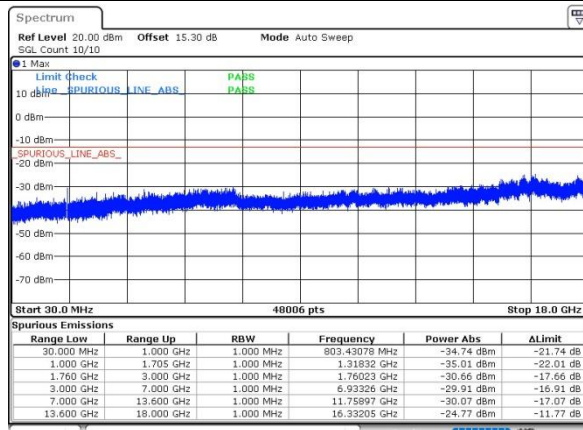
Date: 30 JAN 2022 14:29:18

Middle Channel



Date: 30 JAN 2022 14:30:03

Highest Channel



Date: 30 JAN 2022 14:31:54



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	0.0055	PASS
40	Normal Voltage	0.0341	
30	Normal Voltage	0.0443	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0067	
0	Normal Voltage	0.0311	
-10	Normal Voltage	0.0065	
-20	Normal Voltage	0.0148	
-30	Normal Voltage	0.0317	
20	Maximum Voltage	0.0425	
20	Normal Voltage	0.0163	
20	Battery End Point	0.0061	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0141	PASS
40	Normal Voltage	0.0133	
30	Normal Voltage	0.0165	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0147	
0	Normal Voltage	0.0139	
-10	Normal Voltage	0.0243	
-20	Normal Voltage	0.0071	
-30	Normal Voltage	0.0158	
20	Maximum Voltage	0.0176	
20	Normal Voltage	0.0196	
20	Battery End Point	0.0018	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0052	PASS
40	Normal Voltage	0.0131	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0062	
-10	Normal Voltage	0.0134	
-20	Normal Voltage	0.0148	
-30	Normal Voltage	0.0071	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0026	
20	Battery End Point	0.0131	

**Note:**

1. Normal Voltage = 3.87V ; Battery End Point (BEP) =3.6V. ; 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 :	22~23°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for testing, we choose the worst antenna mode to test.

GSM850 (GSM) for Ant.1								
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)
Middle	1672	-55.06	-13	-42.06	-62.03	1.58	10.70	H
	2512	-56.31	-13	-43.31	-64.56	2.102	12.50	H
	3344	-60.06	-13	-47.06	-68.95	2.856	13.90	H
	1672	-52.59	-13	-39.59	-59.56	1.58	10.70	V
	2512	-52.08	-13	-39.08	-60.33	2.10	12.50	V
	3344	-59.93	-13	-46.93	-68.82	2.86	13.90	V

GSM850 (EDGE class 8) for Ant.1								
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)
Middle	1672	-59.79	-13	-46.79	-66.76	1.58	10.70	H
	2512	-57.20	-13	-44.20	-65.45	2.102	12.50	H
	3344	-59.05	-13	-46.05	-67.94	2.856	13.90	H
	1672	-56.73	-13	-43.73	-63.70	1.58	10.70	V
	2512	-53.28	-13	-40.28	-61.53	2.10	12.50	V
	3344	-59.98	-13	-46.98	-68.87	2.86	13.90	V

GSM1900 (GSM) for Ant.1								
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)
Middle	3759	-52.45	-13	-39.45	-64.71	2.64	14.90	H
	5640	-52.73	-13	-39.73	-64.59	2.94	14.80	H
	7524	-52.55	-13	-39.55	-62.32	3.39	13.16	H
	3759	-53.69	-13	-40.69	-65.95	2.64	14.90	V
	5640	-55.45	-13	-42.45	-67.31	2.94	14.80	V
	7524	-52.65	-13	-39.65	-62.42	3.39	13.16	V



GSM1900 (EDGE class 8) for Ant.1								
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)
Middle	3765	-56.02	-13	-43.02	-68.28	2.64	14.90	H
	5640	-54.96	-13	-41.96	-66.82	2.94	14.80	H
	7515	-52.39	-13	-39.39	-62.16	3.39	13.16	H
	3765	-55.67	-13	-42.67	-67.93	2.64	14.90	V
	5640	-54.74	-13	-41.74	-66.60	2.94	14.80	V
	7515	-52.38	-13	-39.38	-62.15	3.39	13.16	V

WCDMA Band V(RMC 12.2Kbps) for Ant.1								
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)
Middle	1672	-63.12	-13	-50.12	-70.09	1.58	10.70	H
	2510	-59.43	-13	-46.43	-67.68	2.102	12.50	H
	3348	-58.83	-13	-45.83	-67.72	2.856	13.90	H
	1672	-62.66	-13	-49.66	-69.63	1.58	10.70	V
	2510	-58.75	-13	-45.75	-67.00	2.10	12.50	V
	3348	-59.78	-13	-46.78	-68.67	2.86	13.90	V

WCDMA Band II(RMC 12.2Kbps) for Ant.1								
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)
Middle	3765	-51.81	-13	-38.81	-64.07	2.64	14.90	H
	5640	-54.00	-13	-41.00	-65.86	2.94	14.80	H
	7515	-51.79	-13	-38.79	-61.56	3.39	13.16	H
	3765	-52.09	-13	-39.09	-64.35	2.64	14.90	V
	5640	-54.65	-13	-41.65	-66.51	2.94	14.80	V
	7515	-52.04	-13	-39.04	-61.81	3.39	13.16	V

WCDMA Band IV(RMC 12.2Kbps) for Ant.1								
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)
Middle	3465	-56.77	-13	-43.77	-67.51	2.604	13.34	H
	5205	-52.78	-13	-39.78	-63.29	3.011	13.52	H
	6930	-54.45	-13	-41.45	-64.65	3.271	13.47	H
	3465	-56.66	-13	-43.66	-67.40	2.604	13.34	V
	5205	-54.34	-13	-41.34	-64.85	3.011	13.52	V
	6930	-54.22	-13	-41.22	-64.42	3.271	13.47	V

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