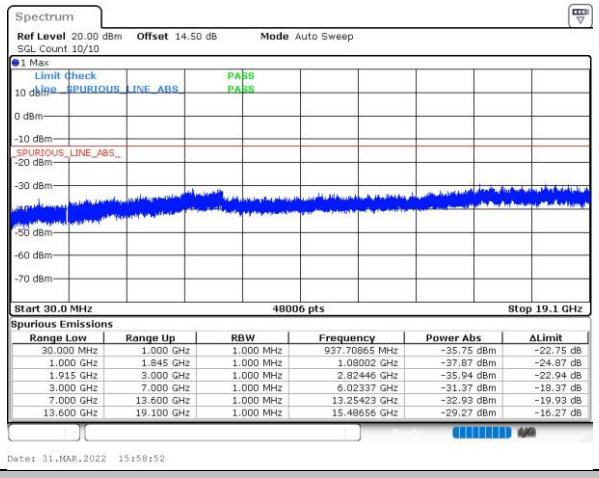
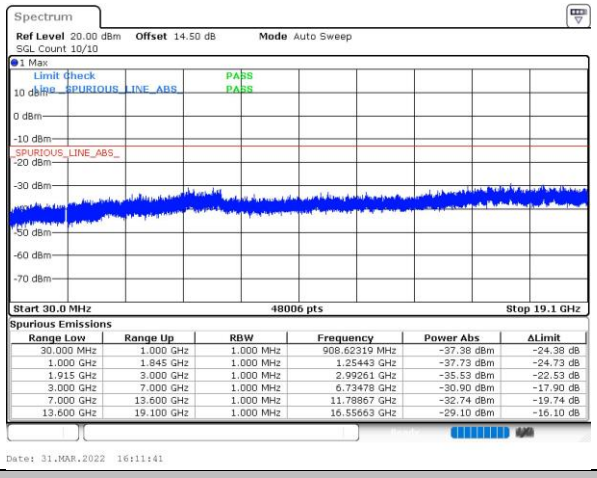
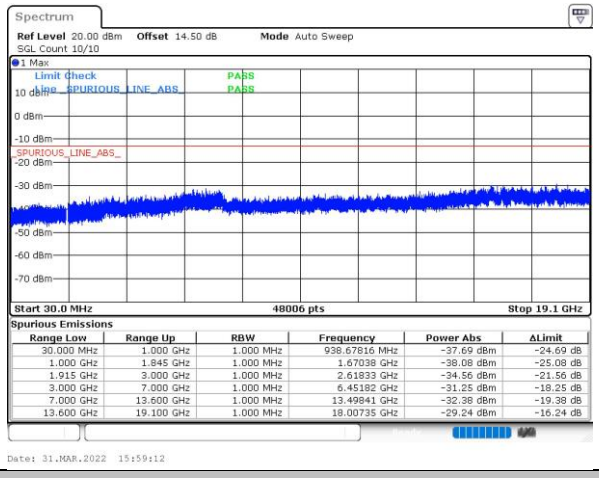
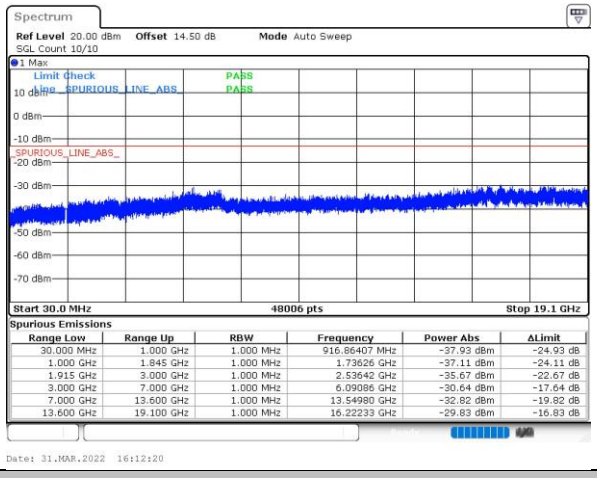
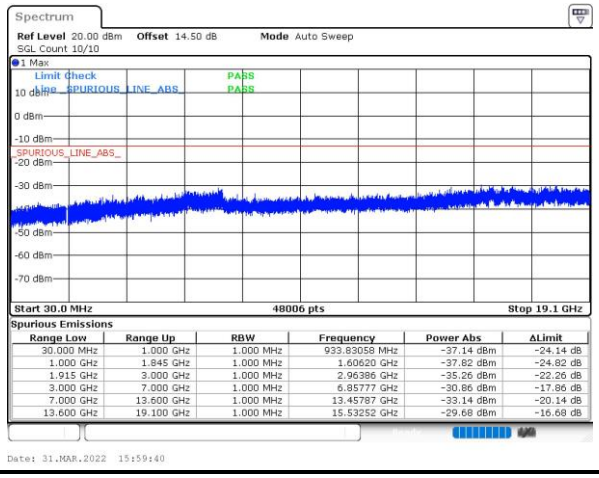
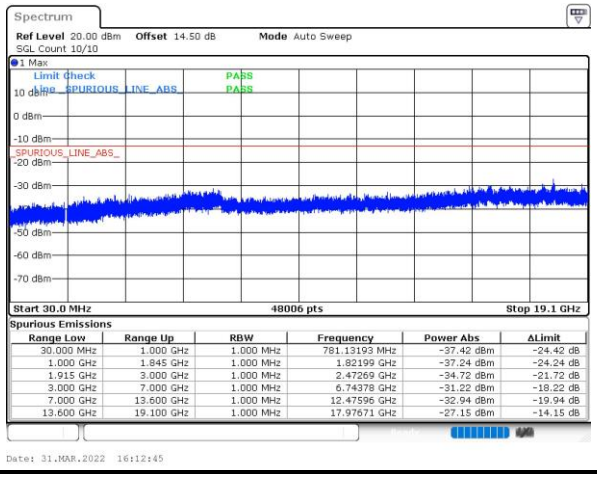
GSM1900 (GSM)	GSM1900 (EDGE)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

Frequency Stability

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0079	0.0085	PASS
40	Normal Voltage	0.0061	0.0067	
30	Normal Voltage	0.0065	0.0071	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0038	0.0032	
0	Normal Voltage	0.0055	0.0049	
-10	Normal Voltage	0.0060	0.0054	
-20	Normal Voltage	0.0079	0.0073	
-30	Normal Voltage	0.0029	0.0035	
20	Maximum Voltage	0.0014	0.0008	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0008	0.0014	

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0009	0.0003	PASS
40	Normal Voltage	0.0006	0.0018	
30	Normal Voltage	0.0004	0.0007	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0034	0.0045	
0	Normal Voltage	0.0007	0.0004	
-10	Normal Voltage	0.0026	0.0015	
-20	Normal Voltage	0.0035	0.0024	
-30	Normal Voltage	0.0068	0.0056	
20	Maximum Voltage	0.0021	0.0010	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0030	0.0019	

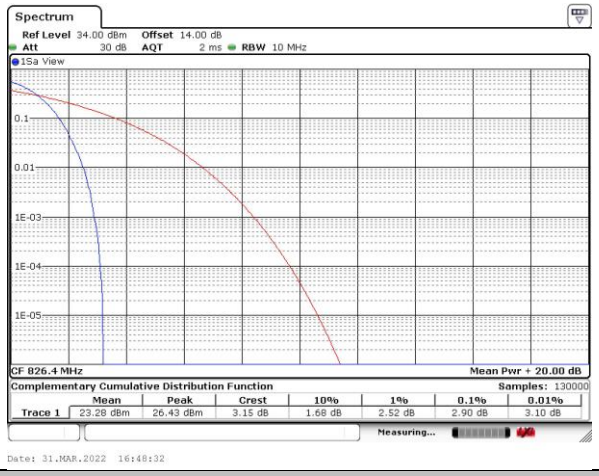
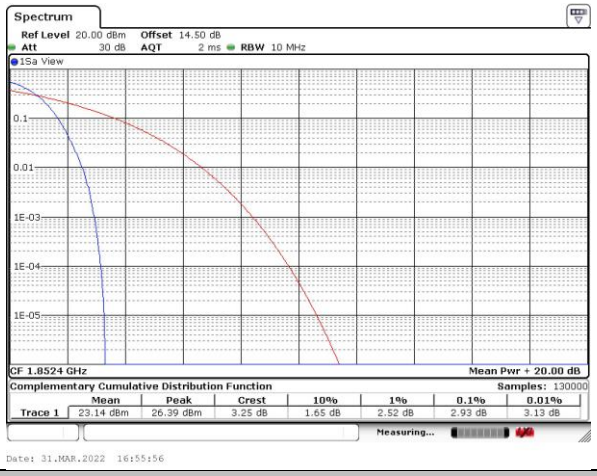
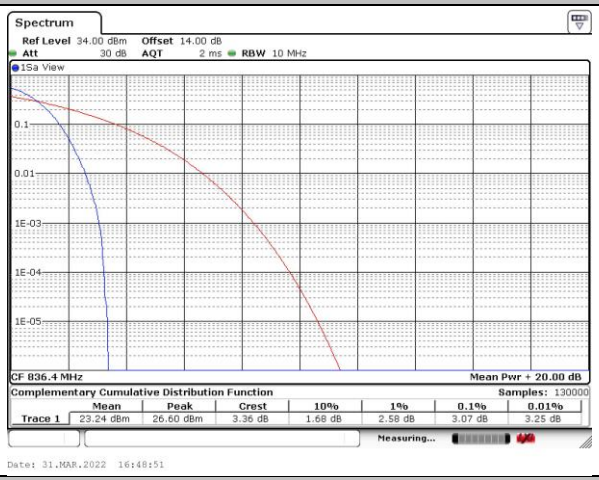
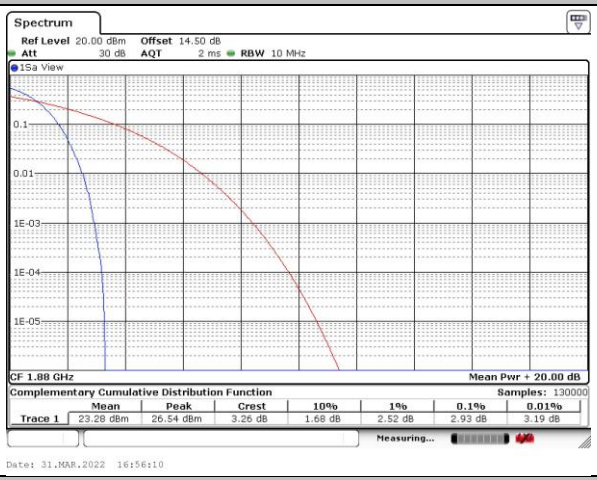
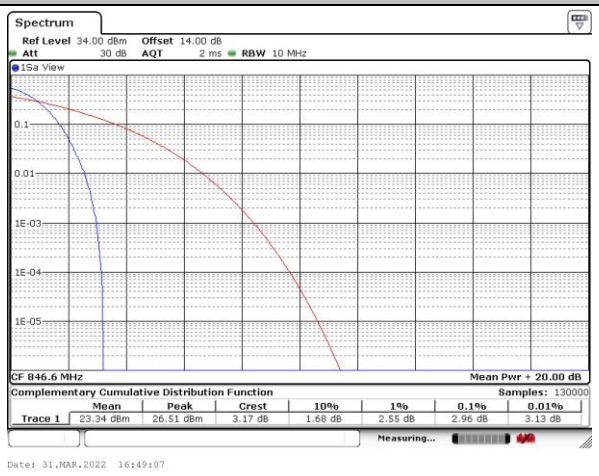
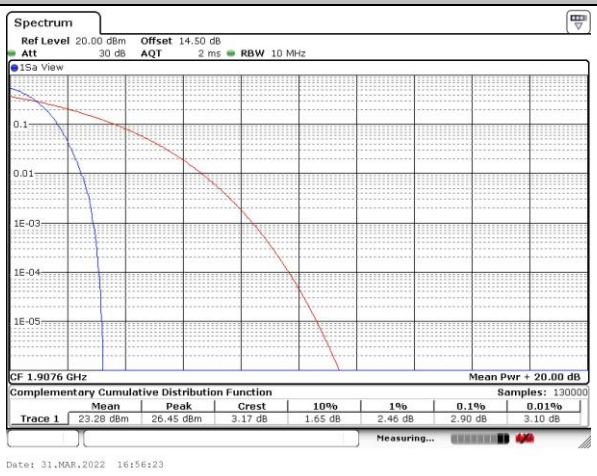
Note:

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.4 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

A2. WCDMA

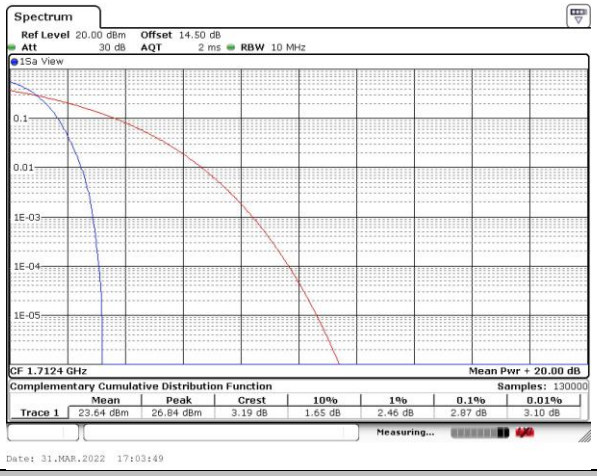
Peak-to-Average Ratio

Mode	WCDMA Band V(dB)	WCDMA Band II(dB)	WCDMA Band IV(dB)	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	2.90	2.93	2.87	PASS
Middle CH	3.07	2.93	2.99	
Highest CH	2.96	2.90	2.96	

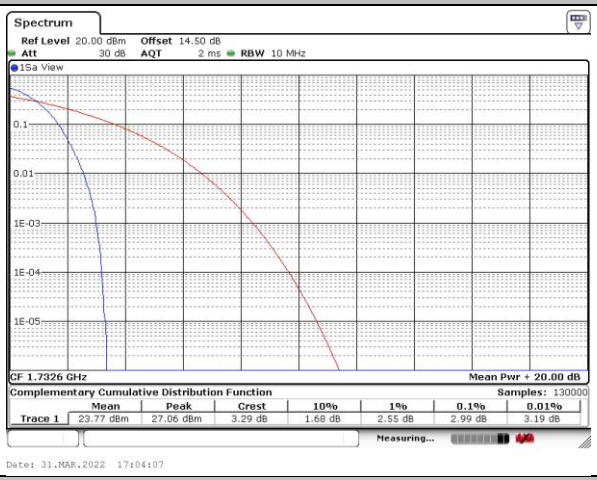
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

WCDMA Band IV (RMC 12.2Kbps)

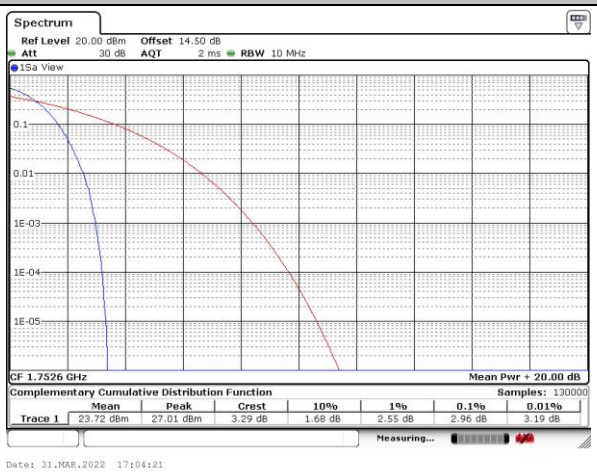
Lowest Channel



Middle Channel

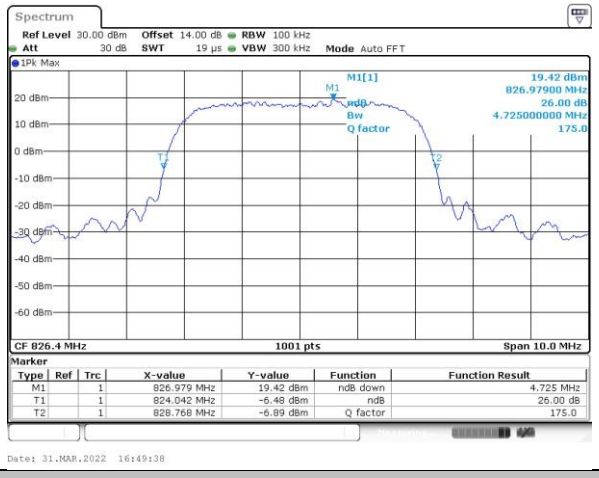
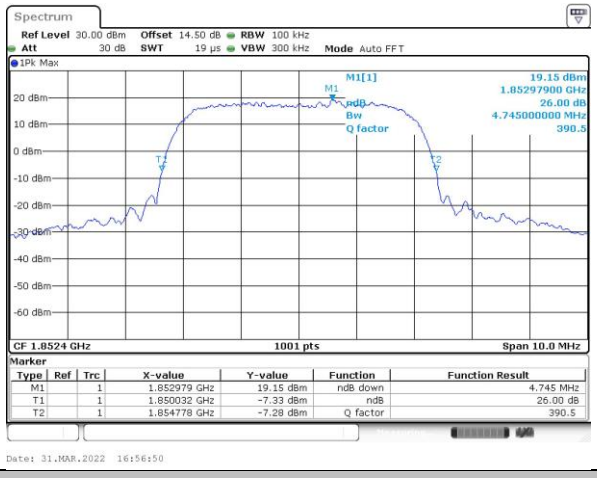
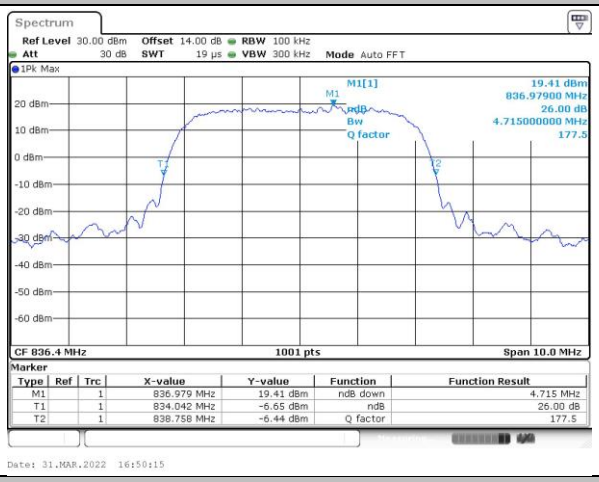
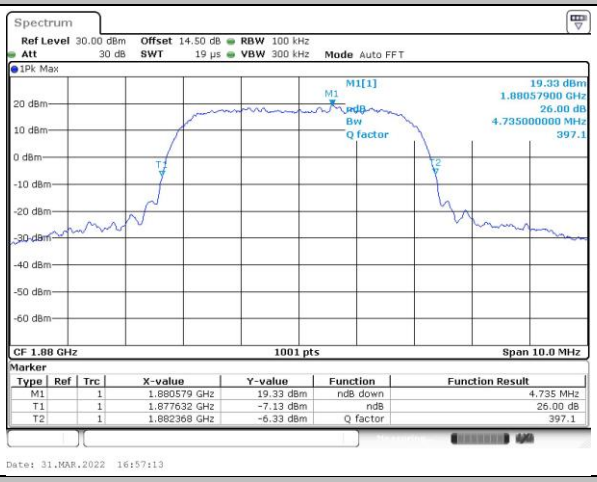
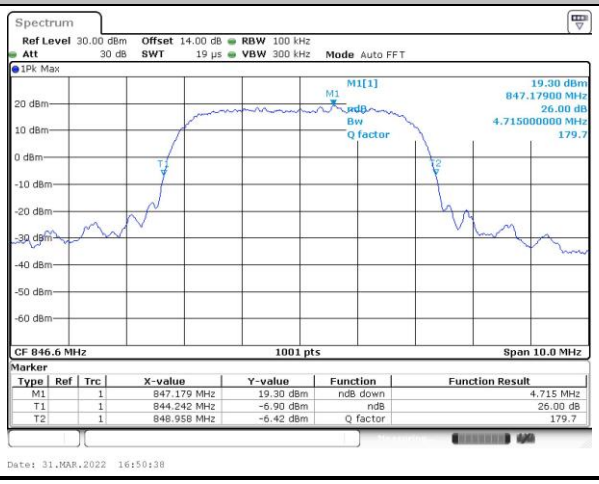
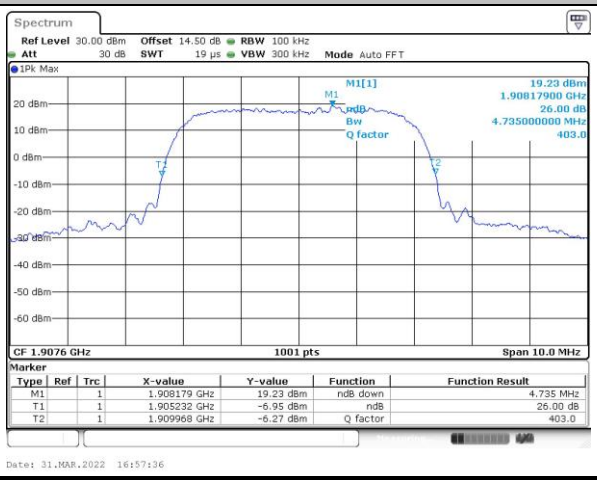


Highest Channel



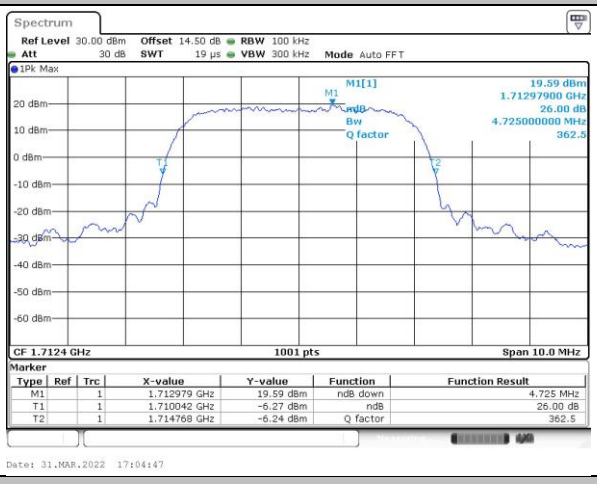
26dB Bandwidth

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	4.73	4.75	4.73
Middle CH	4.72	4.74	4.73
Highest CH	4.72	4.74	4.73

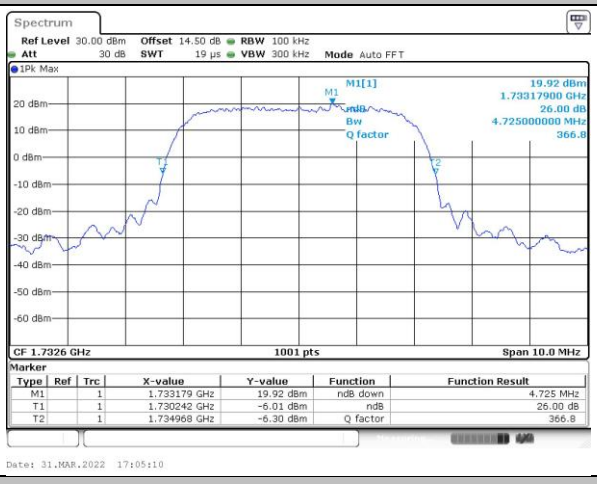
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

WCDMA Band IV (RMC 12.2Kbps)

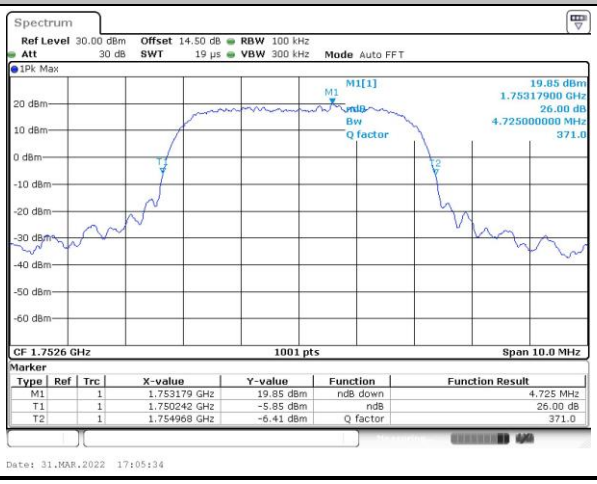
Lowest Channel



Middle Channel

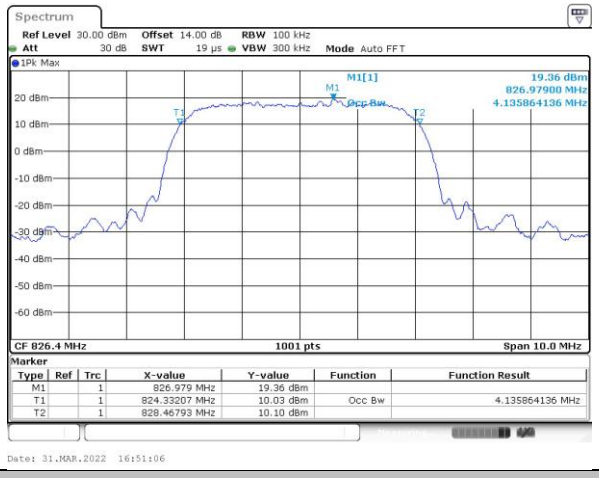
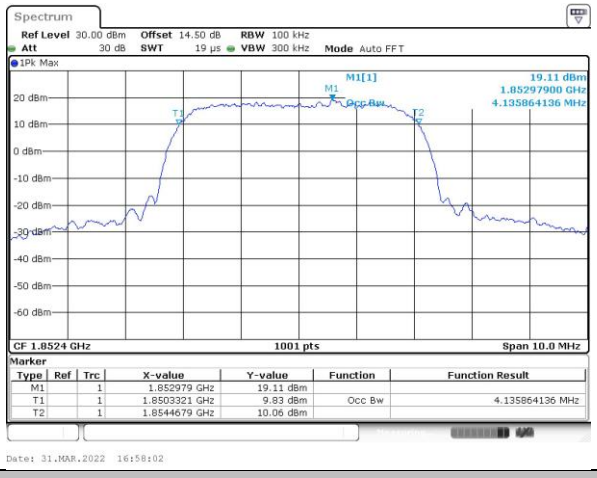
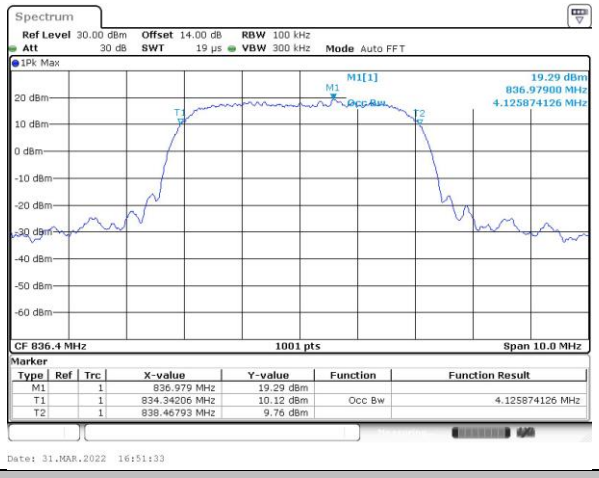
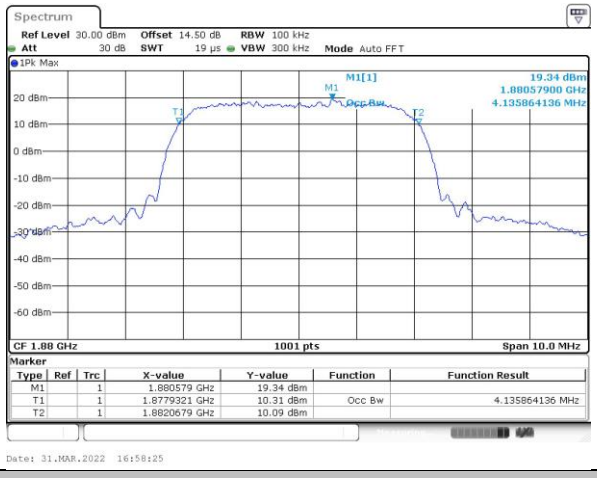
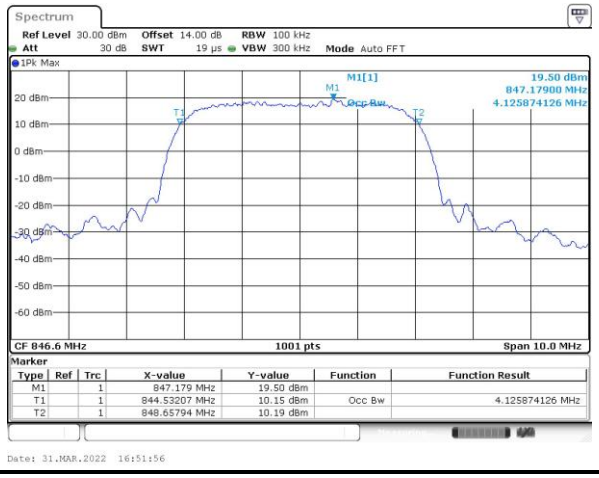
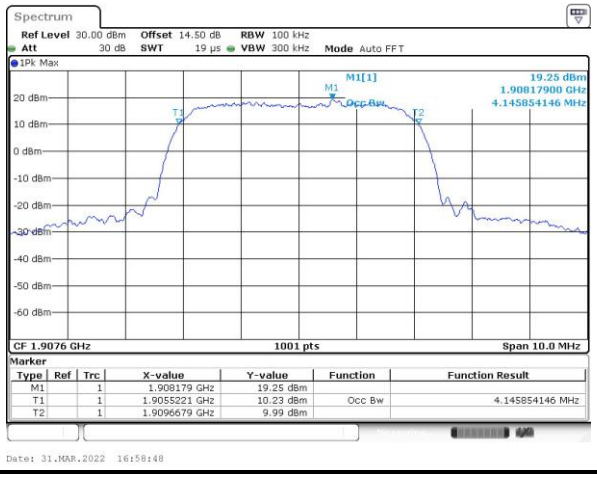


Highest Channel



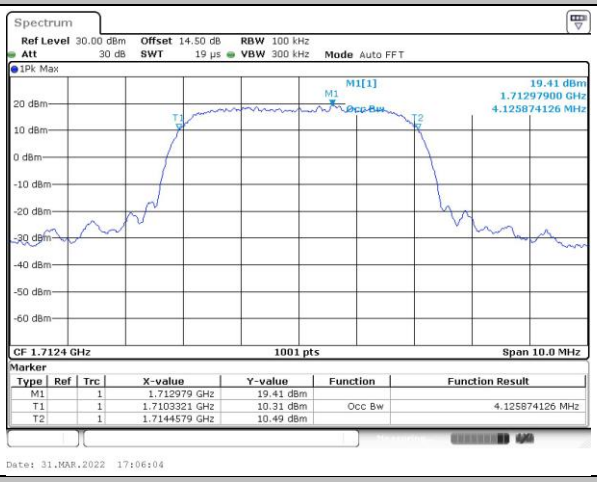
Occupied Bandwidth

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	4.13
Middle CH	4.13	4.14	4.13
Highest CH	4.13	4.15	4.13

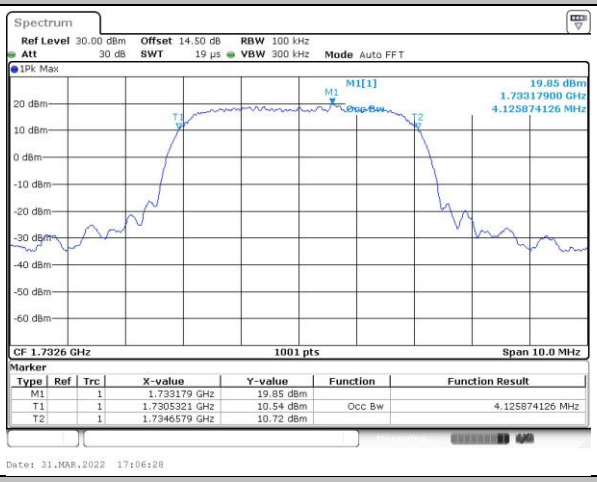
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Middle Channel	**Middle Channel**
	
Highest Channel	**Highest Channel**
	

WCDMA Band IV (RMC 12.2Kbps)

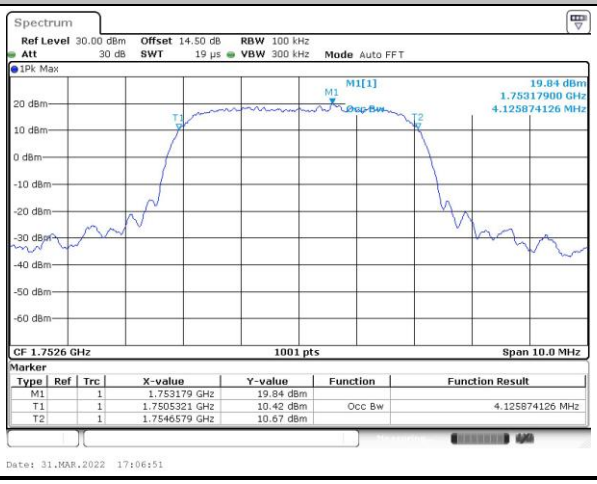
Lowest Channel



Middle Channel



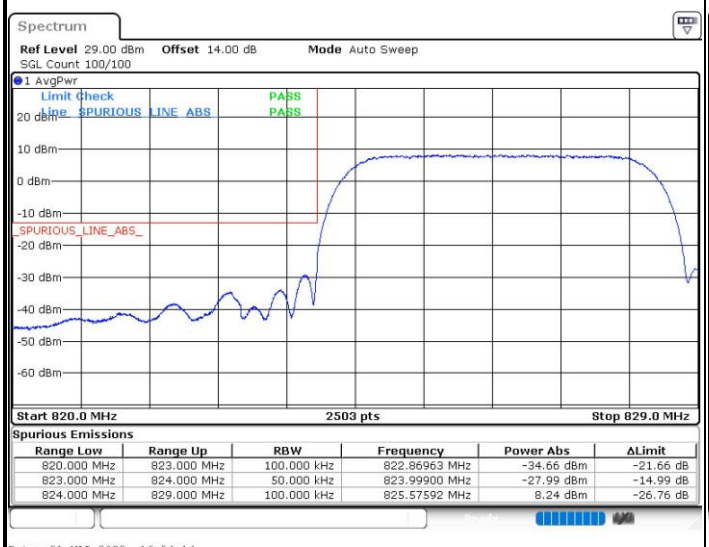
Highest Channel



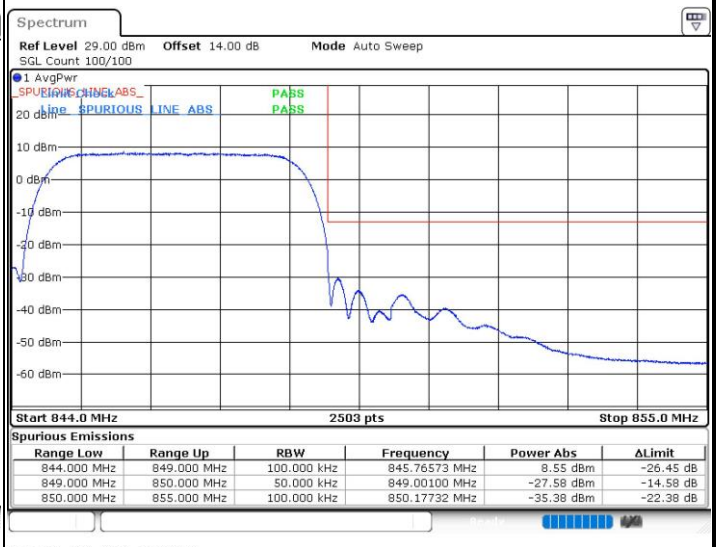
Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

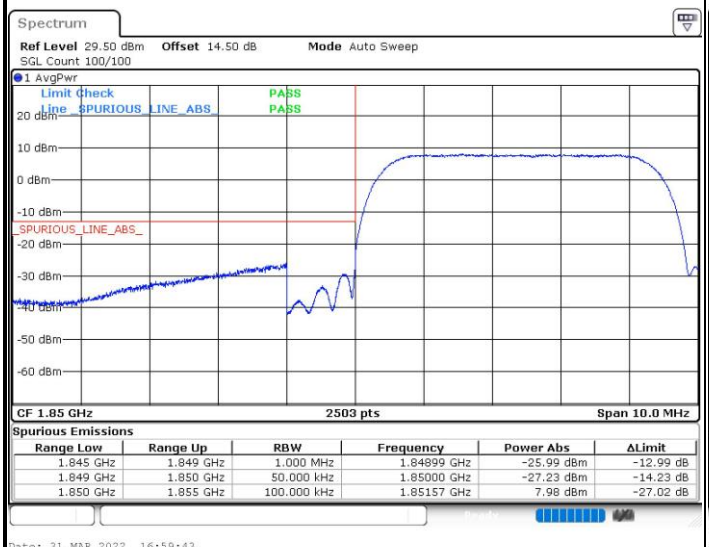


Highest Band Edge

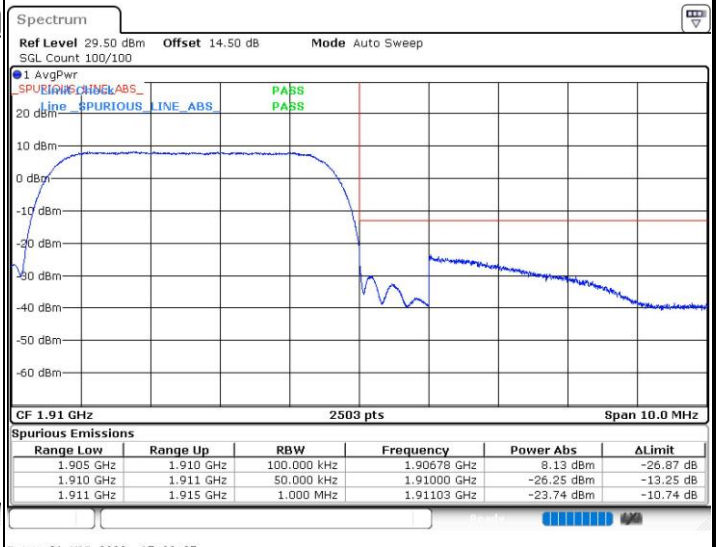


WCDMA Band II (RMC 12.2Kbps)

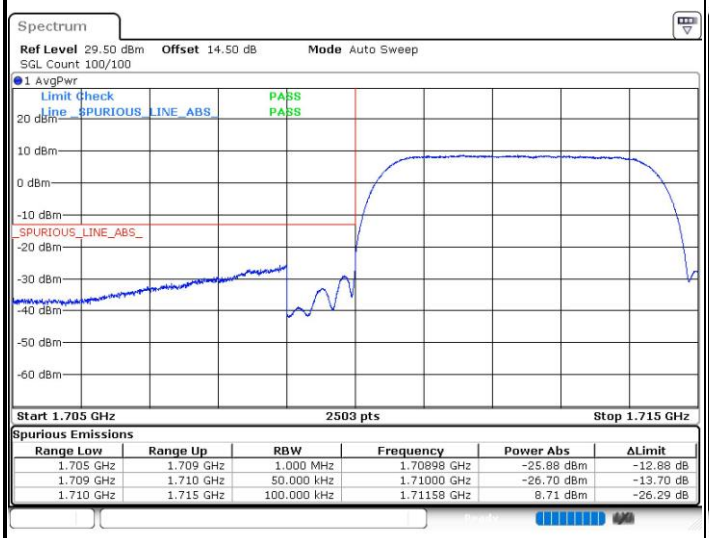
Lowest Band Edge

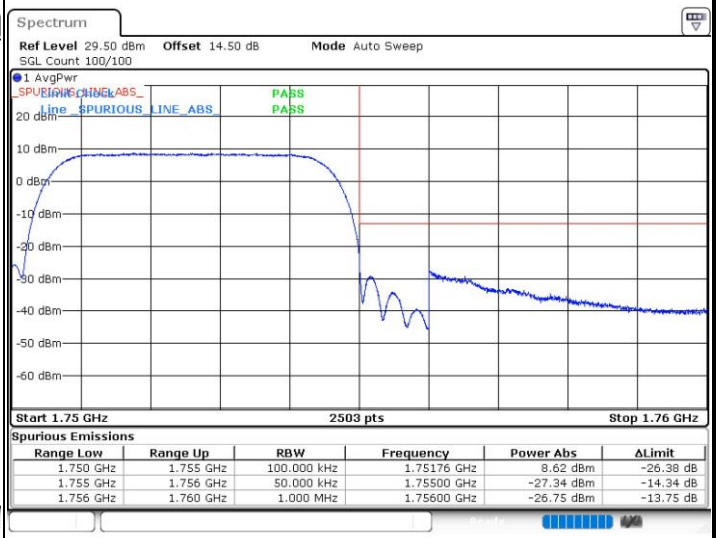


Highest Band Edge



WCDMA Band IV (RMC 12.2Kbps)	
Lowest Band Edge	**Highest Band Edge**

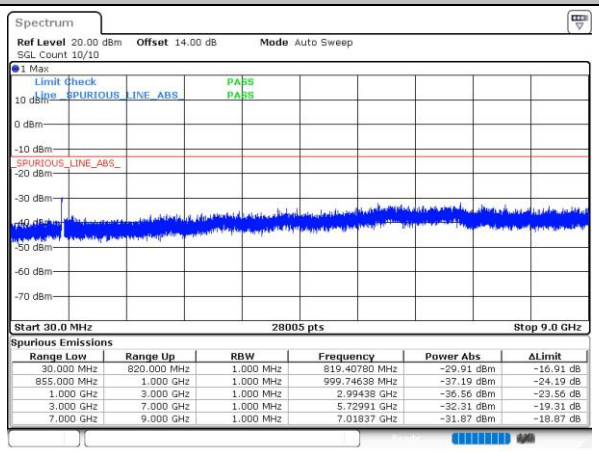




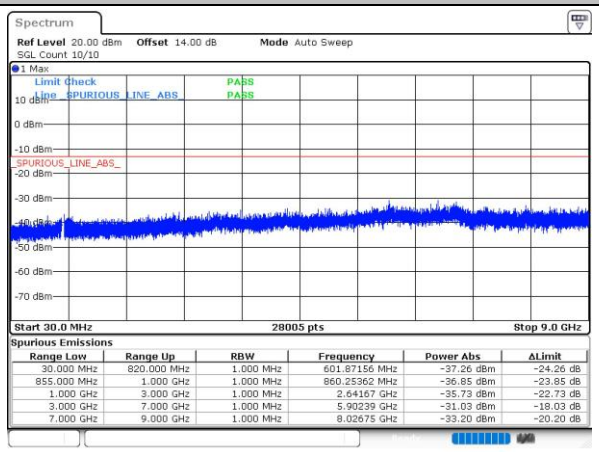
Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

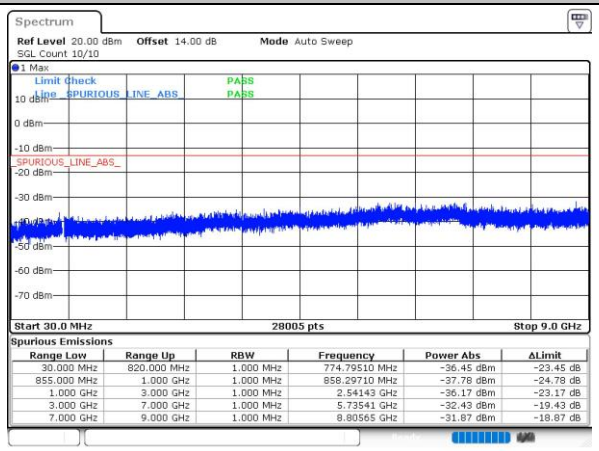
Lowest Channel



Middle Channel

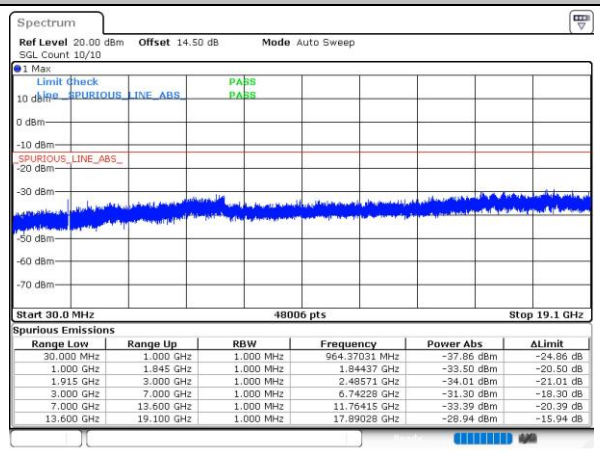


Highest Channel

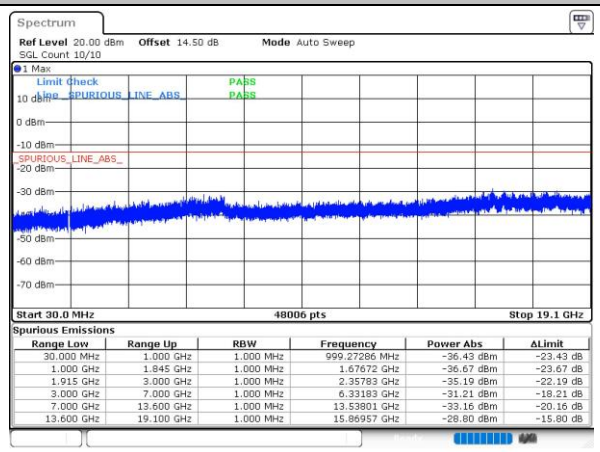


WCDMA Band II (RMC 12.2Kbps)

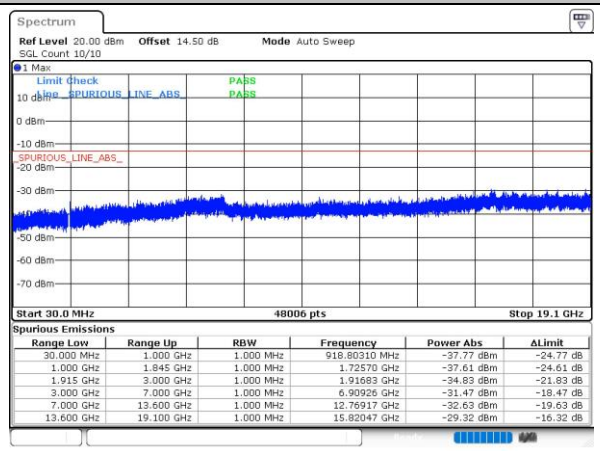
Lowest Channel



Middle Channel

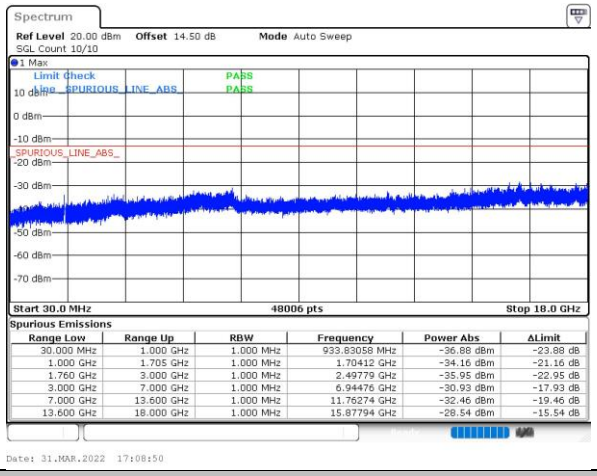


Highest Channel

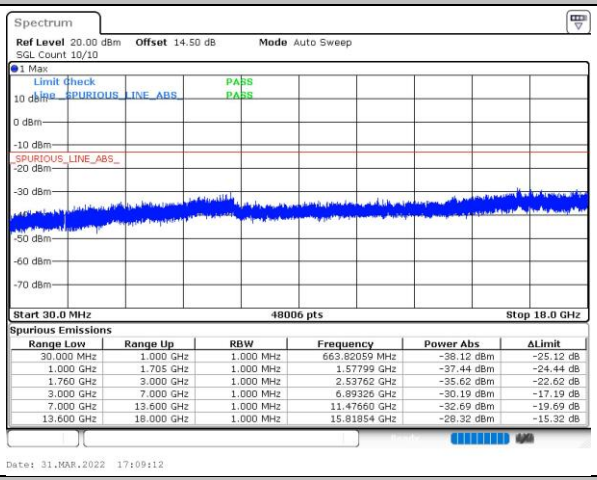


WCDMA Band IV (RMC 12.2Kbps)

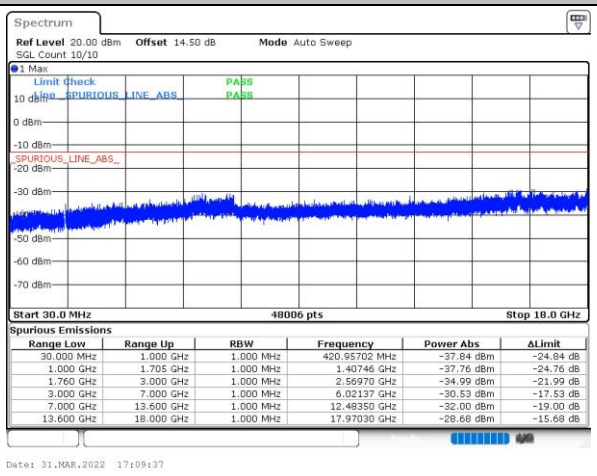
Lowest Channel



Middle Channel



Highest Channel



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	0.0002	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.4 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 Test

Radiated Spurious Emission

Test Engineer :	Zhao hui Liang	Temperature :	22~25℃
		Relative Humidity :	48~52%

For Sample 1:

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	-60.21	-13	-47.21	-71.92	-63.46	4.00	9.40	H
	2509.2	-59.93	-13	-46.93	-78.83	-63.50	4.88	10.60	H
	3345.6	-59.00	-13	-46.00	-80.07	-63.93	5.52	12.60	H
	1672.8	-64.97	-13	-51.97	-77.39	-68.22	4.00	9.40	V
	2509.2	-60.10	-13	-47.10	-79.21	-63.67	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.

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	-59.97	-13	-46.97	-71.68	-63.22	4.00	9.40	H
	2509.2	-60.15	-13	-47.15	-79.05	-63.72	4.88	10.60	H
	3345.6	-59.18	-13	-46.18	-80.25	-64.11	5.52	12.60	H
	1672.8	-64.41	-13	-51.41	-76.83	-67.66	4.00	9.40	V
	2509.2	-59.86	-13	-46.86	-78.97	-63.43	4.88	10.60	V
	3345.6	-58.68	-13	-45.68	-80.05	-63.61	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	-57.11	-13	-44.11	-79.45	-63.86	5.85	12.60	H
	5640	-56.70	-13	-43.70	-80.82	-62.50	7.30	13.10	H
	7520	-54.83	-13	-41.83	-81.11	-57.98	8.35	11.50	H
	3760	-54.81	-13	-41.81	-80.31	-61.56	5.85	12.60	V
	5640	-56.42	-13	-43.42	-80.69	-62.22	7.30	13.10	V
	7520	-54.63	-13	-41.63	-80.89	-57.78	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	3760	-57.33	-13	-44.33	-79.67	-64.08	5.85	12.60	H
	5640	-56.21	-13	-43.21	-80.33	-62.01	7.30	13.10	H
	7520	-54.72	-13	-41.72	-81.00	-57.87	8.35	11.50	H
	3760	-55.11	-13	-42.11	-80.61	-61.86	5.85	12.60	V
	5640	-56.44	-13	-43.44	-80.71	-62.24	7.30	13.10	V
	7520	-54.97	-13	-41.97	-81.23	-58.12	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	-65.53	-13	-52.53	-77.24	-68.78	4.00	9.40	H
	2509.2	-60.32	-13	-47.32	-79.22	-63.89	4.88	10.60	H
	3345.6	-59.27	-13	-46.27	-80.34	-64.20	5.52	12.60	H
	1672.8	-64.16	-13	-51.16	-76.58	-67.41	4.00	9.40	V
	2509.2	-59.67	-13	-46.67	-78.78	-63.24	4.88	10.60	V
	3345.6	-58.59	-13	-45.59	-79.96	-63.52	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	-55.32	-13	-42.32	-77.66	-62.07	5.85	12.60	H
	5640	-56.36	-13	-43.36	-80.48	-62.16	7.30	13.10	H
	7520	-54.45	-13	-41.45	-80.73	-57.60	8.35	11.50	H
	3760	-54.22	-13	-41.22	-79.72	-60.97	5.85	12.60	V
	5640	-56.29	-13	-43.29	-80.56	-62.09	7.30	13.10	V
	7520	-54.73	-13	-41.73	-80.99	-57.88	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	-58.38	-13	-45.38	-80.33	-65.23	5.65	12.50	H
	5197.8	-56.64	-13	-43.64	-80.80	-62.31	7.13	12.80	H
	6930.4	-54.96	-13	-41.96	-80.66	-58.36	8.40	11.80	H
	3465.2	-55.60	-13	-42.60	-77.35	-62.45	5.65	12.50	V
	5197.8	-56.14	-13	-43.14	-80.57	-61.81	7.13	12.80	V
	6930.4	-54.28	-13	-41.28	-80.9	-57.68	8.40	11.80	V

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

For Sample 2:

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	-57.49	-13	-44.49	-79.83	-64.24	5.85	12.60	H
	5640	-56.75	-13	-43.75	-80.87	-62.55	7.30	13.10	H
	7520	-55.20	-13	-42.20	-81.48	-58.35	8.35	11.50	H
	3760	-55.01	-13	-42.01	-80.51	-61.76	5.85	12.60	V
	5640	-56.65	-13	-43.65	-80.92	-62.45	7.30	13.10	V
	7520	-54.96	-13	-41.96	-81.22	-58.11	8.35	11.50	V

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