

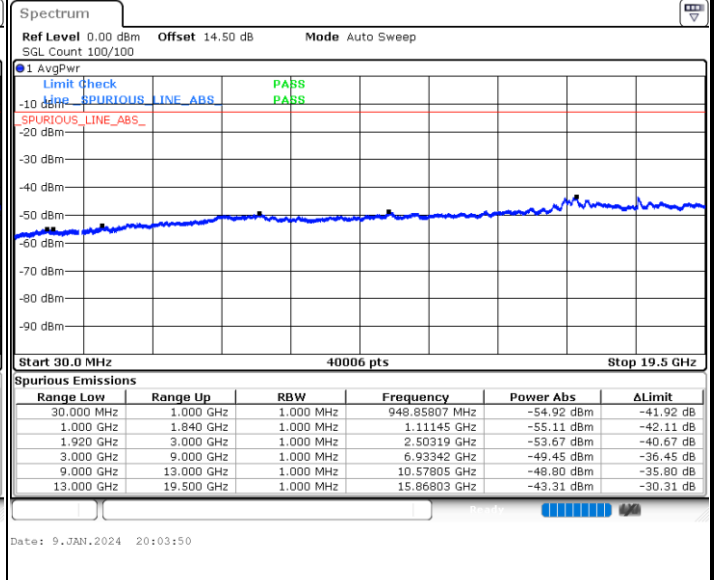
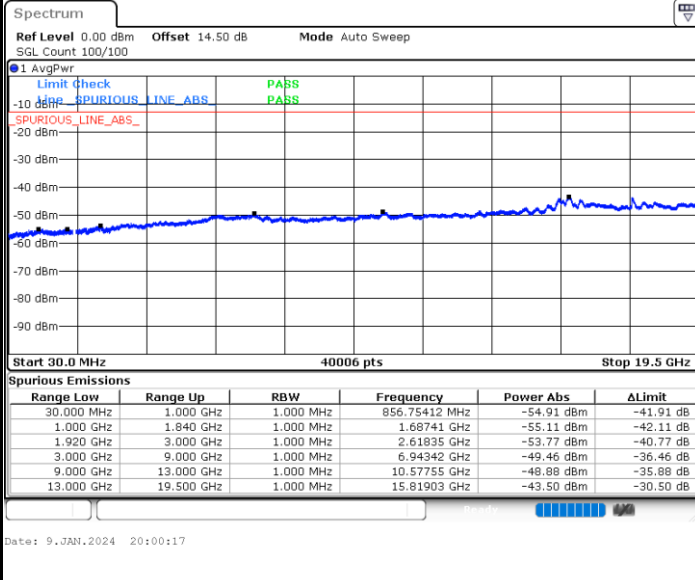


Conducted Spurious Emission

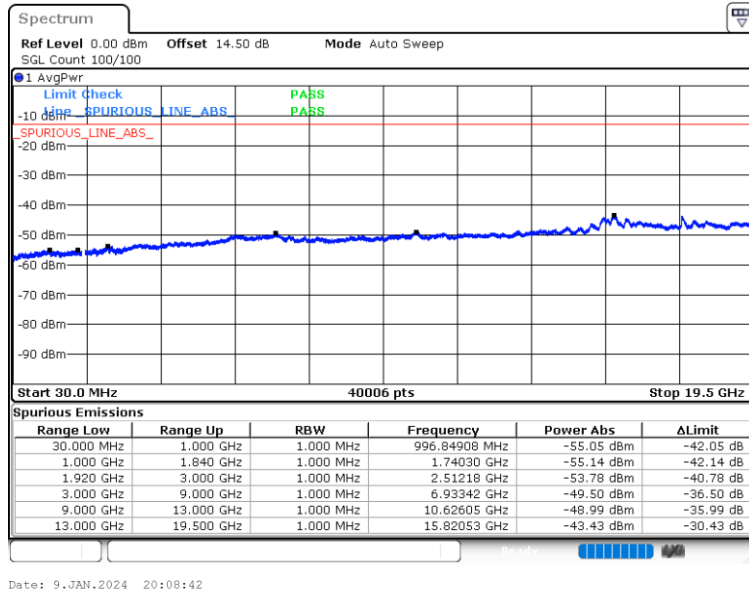
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

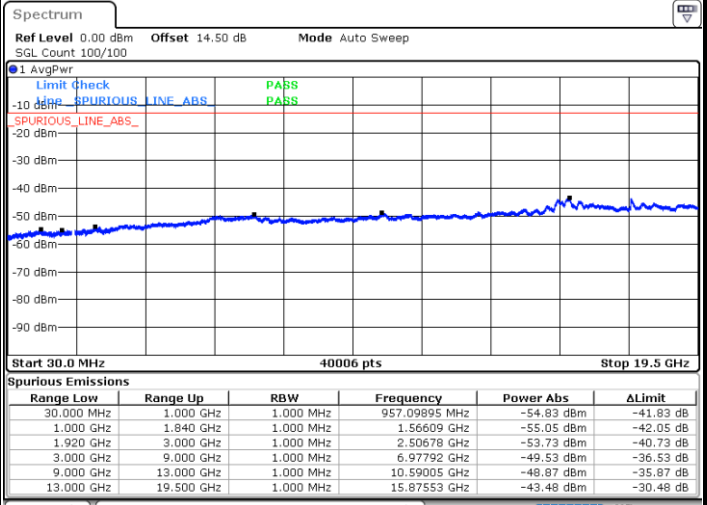
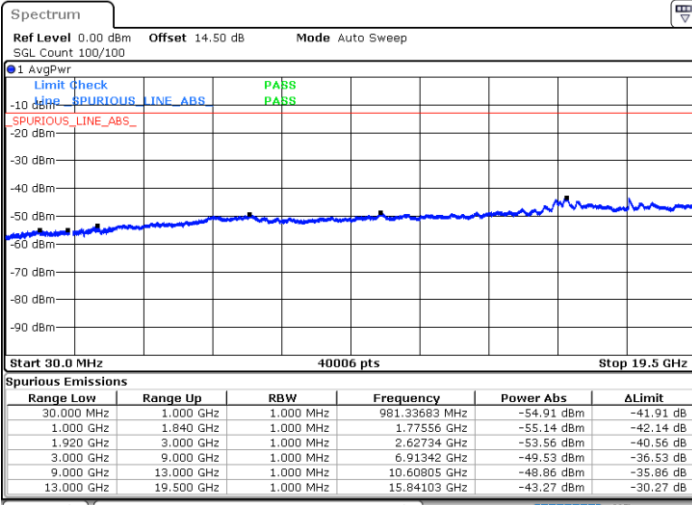




LTE Band 2 / 3MHz

Lowest Channel / QPSK

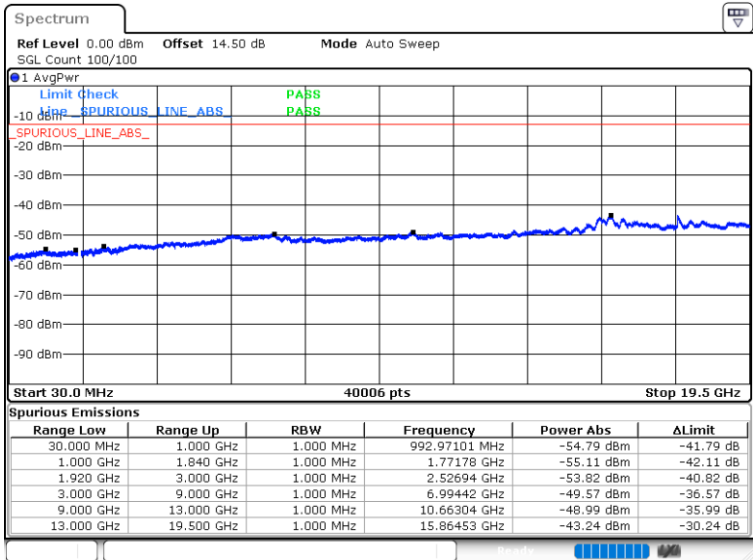
Middle Channel / QPSK



Date: 9.JAN.2024 20:15:31

Date: 9.JAN.2024 20:19:04

Highest Channel / QPSK



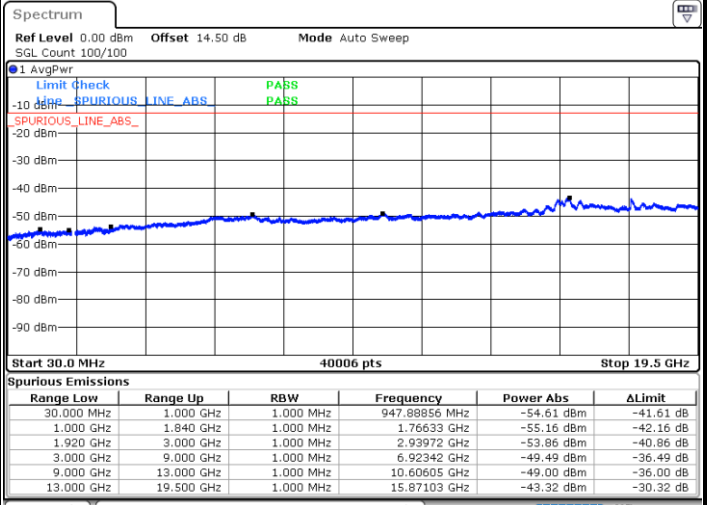
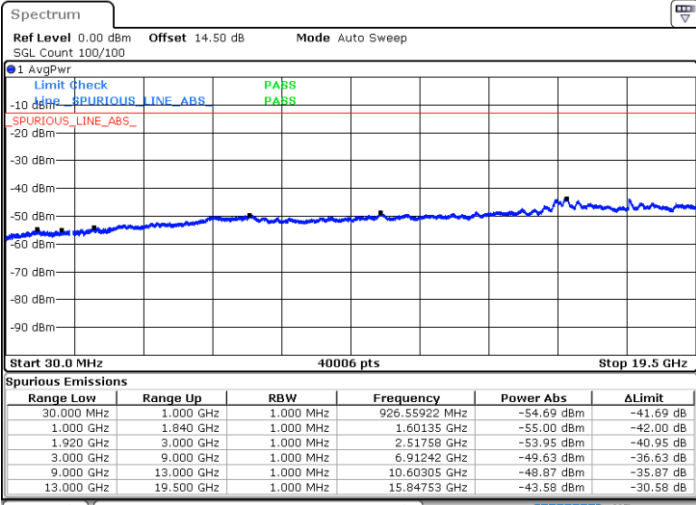
Date: 9.JAN.2024 20:26:29



LTE Band 2 / 5MHz

Lowest Channel / QPSK

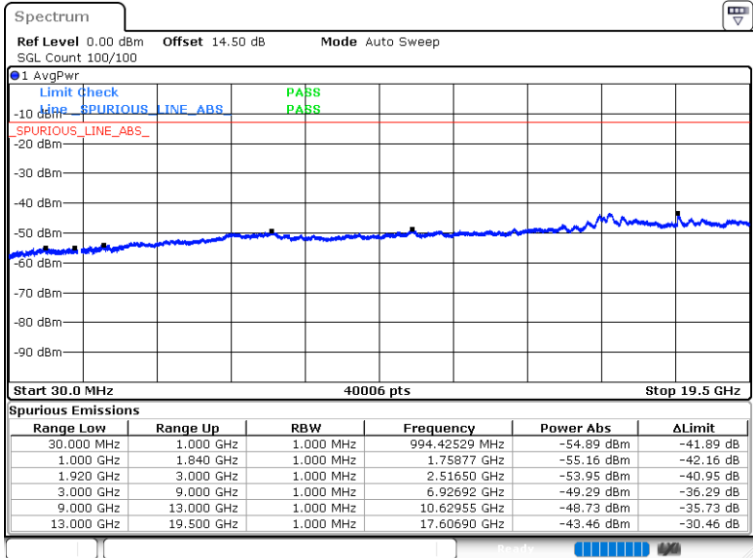
Middle Channel / QPSK



Date: 9.JAN.2024 20:30:45

Date: 9.JAN.2024 20:34:18

Highest Channel / QPSK



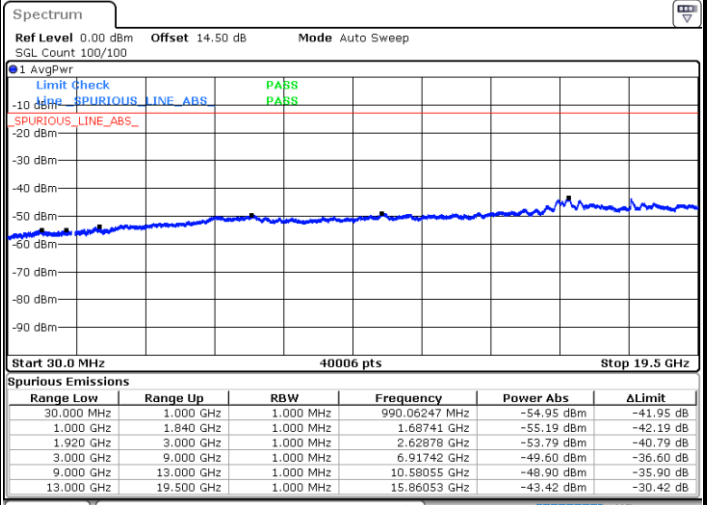
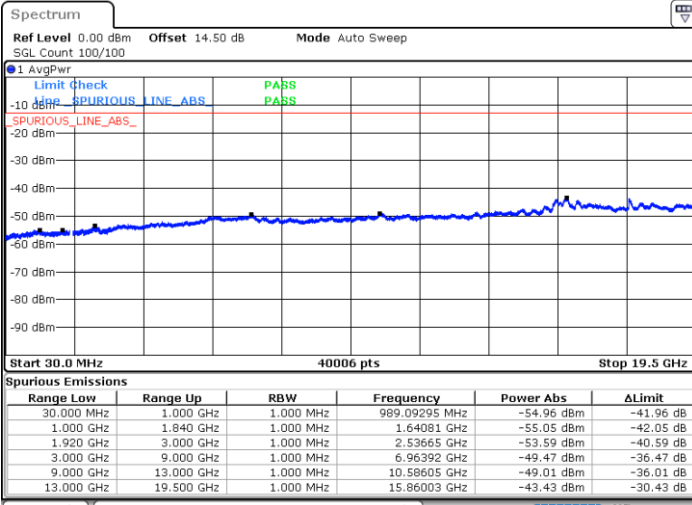
Date: 9.JAN.2024 20:41:43



LTE Band 2 / 10MHz

Lowest Channel / QPSK

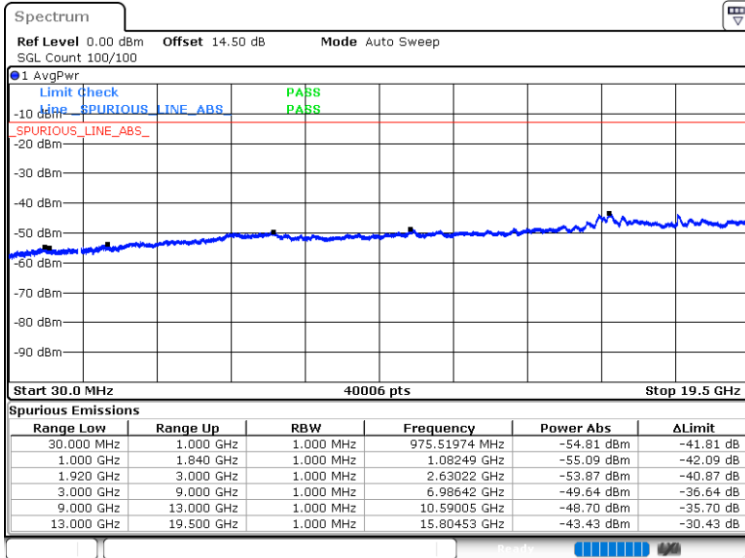
Middle Channel / QPSK



Date: 9.JAN.2024 20:48:33

Date: 9.JAN.2024 21:12:08

Highest Channel / QPSK



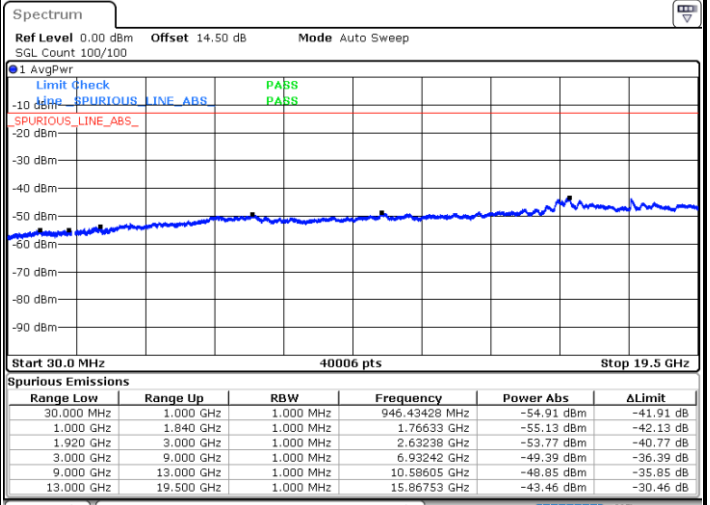
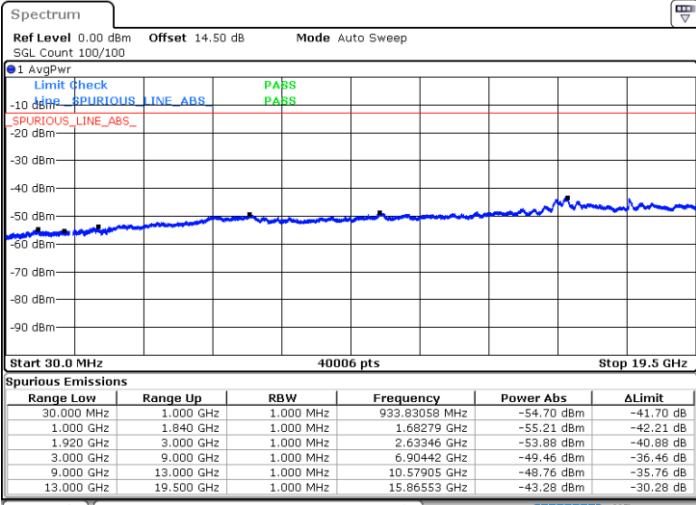
Date: 9.JAN.2024 21:19:32



LTE Band 2 / 15MHz

Lowest Channel / QPSK

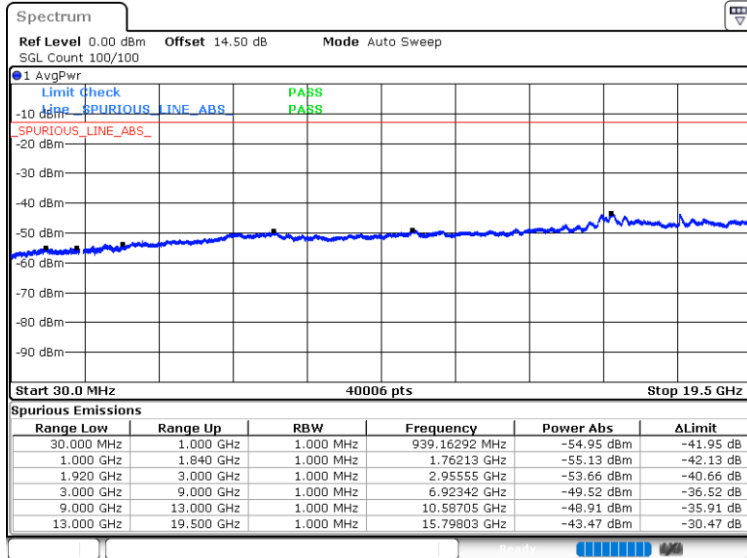
Middle Channel / QPSK



Date: 9.JAN.2024 21:26:21

Date: 9.JAN.2024 21:27:21

Highest Channel / QPSK



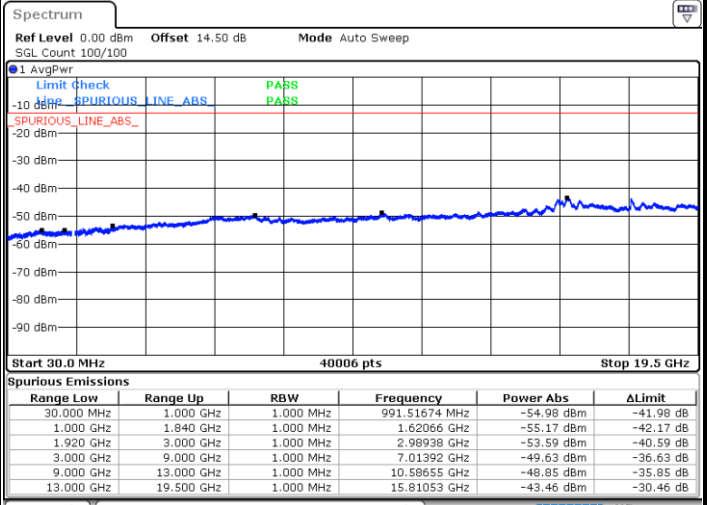
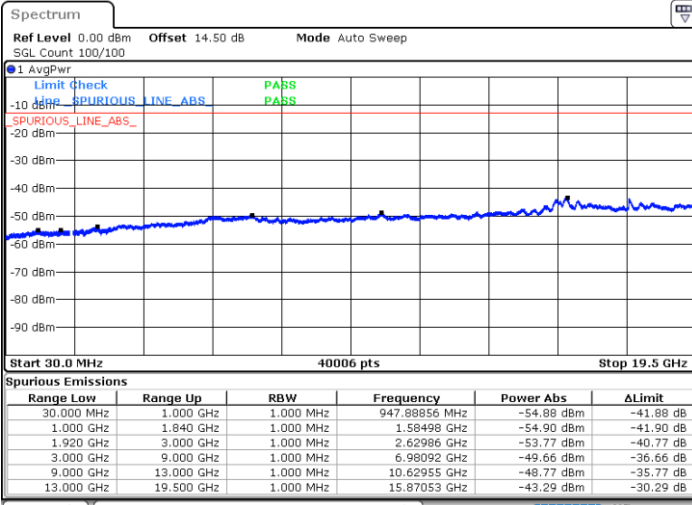
Date: 9.JAN.2024 21:34:46



LTE Band 2 / 20MHz

Lowest Channel / QPSK

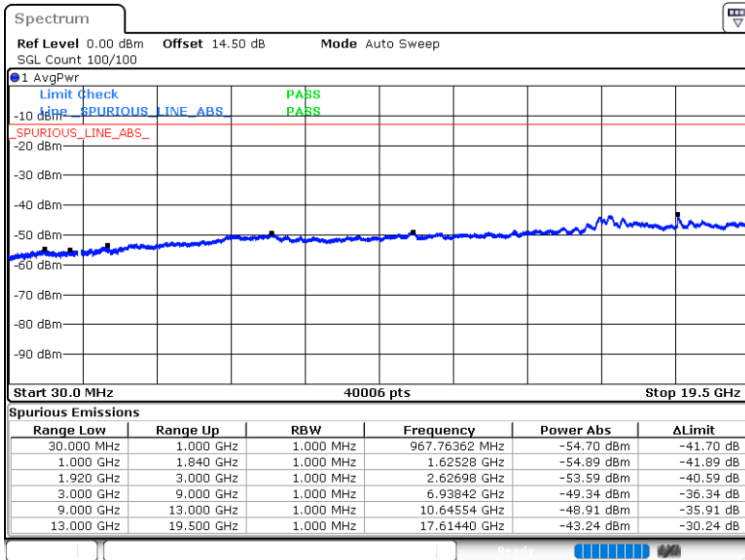
Middle Channel / QPSK



Date: 9. JAN. 2024 21:41:35

Date: 9. JAN. 2024 21:42:35

Highest Channel / QPSK



Date: 9. JAN. 2024 21:51:20



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 2 / 20MHz / QPSK								
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	3735	-57.83	-13	-44.83	-70.09	2.64	14.90	H
	5610	-54.85	-13	-41.85	-66.71	2.94	14.80	H
	7485	-53.66	-13	-40.66	-63.43	3.39	13.16	H
	3735	-56.77	-13	-43.77	-69.03	2.64	14.90	V
	5610	-54.89	-13	-41.89	-66.75	2.94	14.80	V
	7485	-53.23	-13	-40.23	-63.00	3.39	13.16	V

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