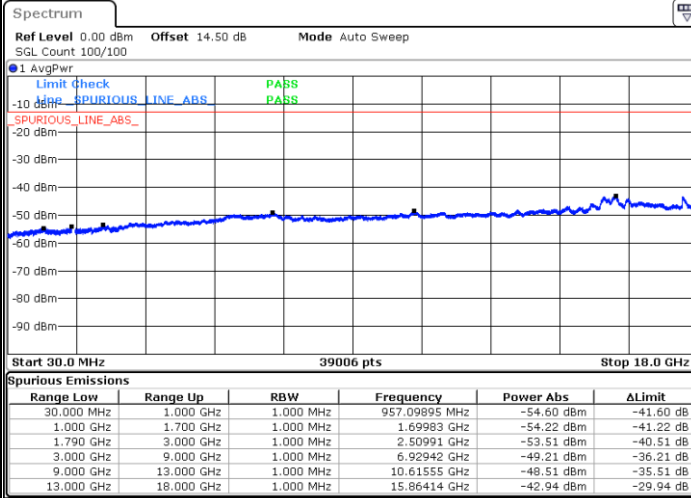




Conducted Spurious Emission

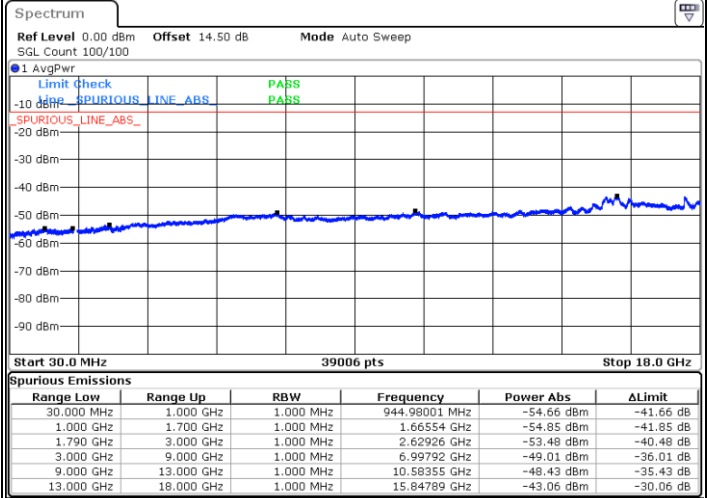
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



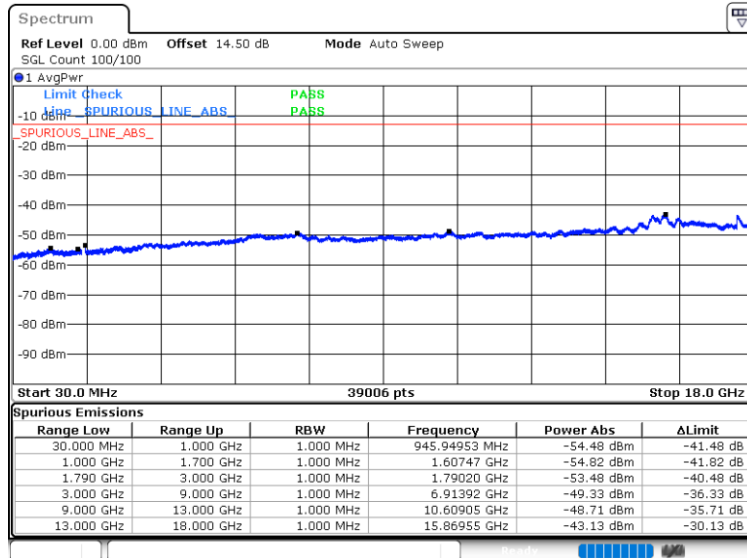
Date: 23.OCT.2024 20:58:45

Middle Channel / QPSK



Date: 23.OCT.2024 21:02:11

Highest Channel / QPSK

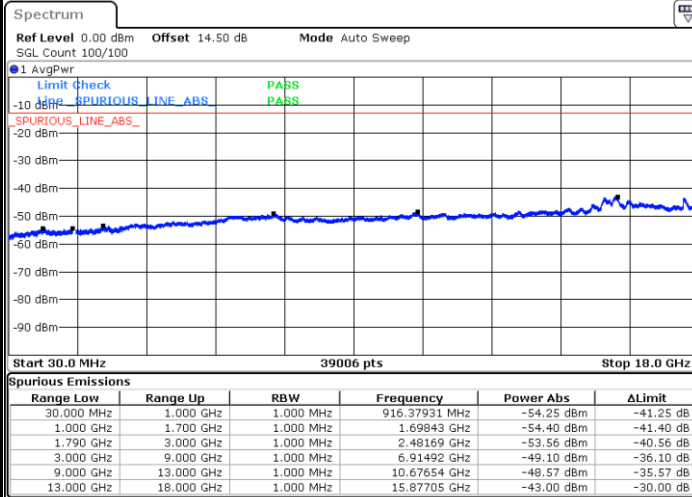


Date: 24.OCT.2024 16:10:46



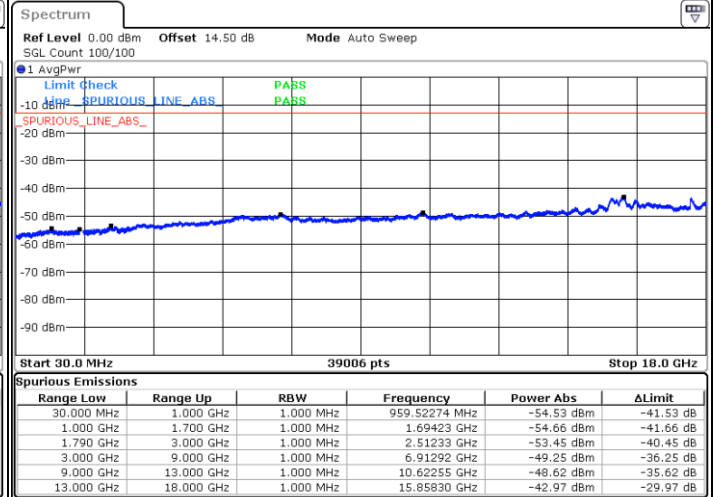
LTE Band 66 / 3MHz

Lowest Channel / QPSK



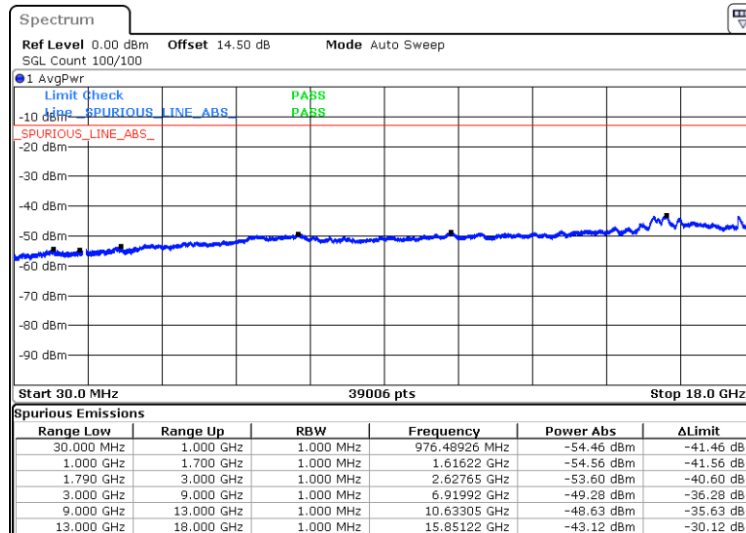
Date: 24.OCT.2024 16:15:53

Middle Channel / QPSK



Date: 24.OCT.2024 16:18:58

Highest Channel / QPSK

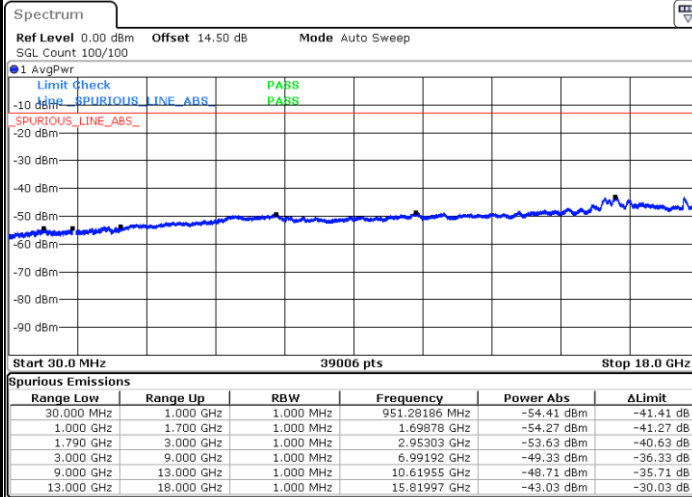


Date: 24.OCT.2024 16:25:25



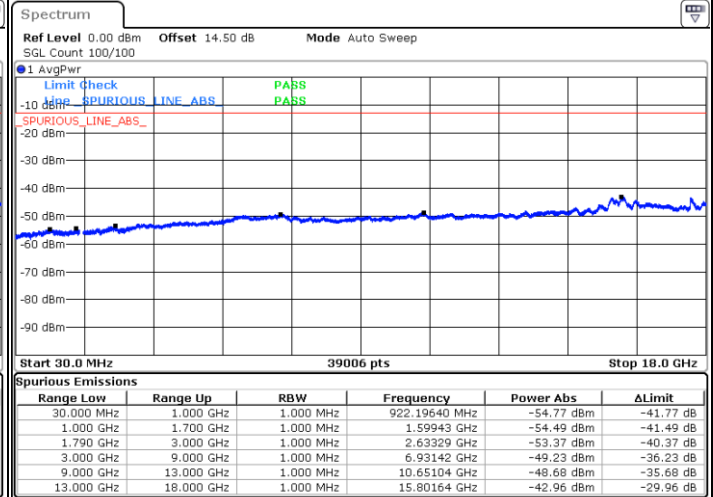
LTE Band 66 / 5MHz

Lowest Channel / QPSK



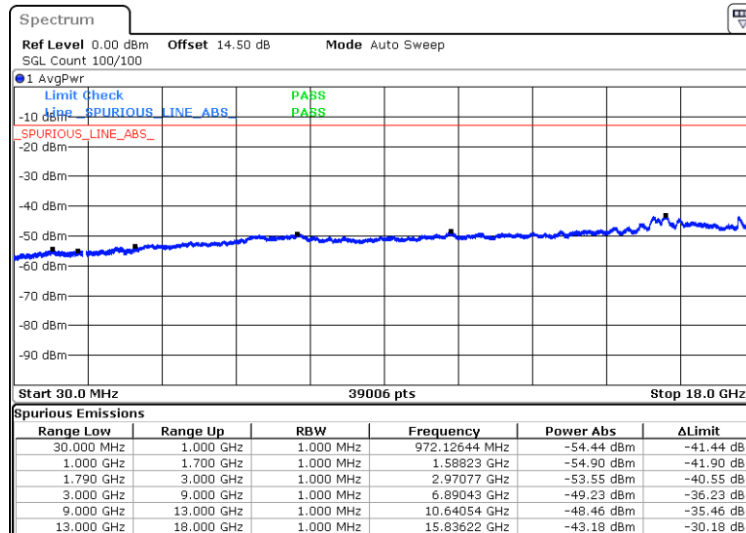
Date: 24.OCT.2024 16:28:35

Middle Channel / QPSK



Date: 24.OCT.2024 16:31:39

Highest Channel / QPSK

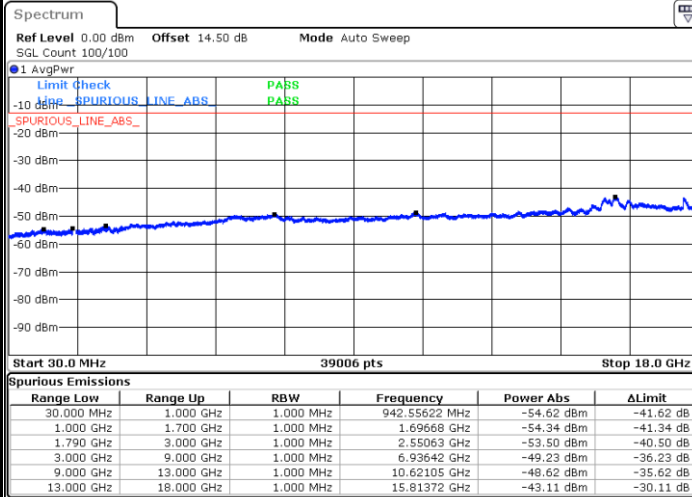


Date: 24.OCT.2024 16:38:06



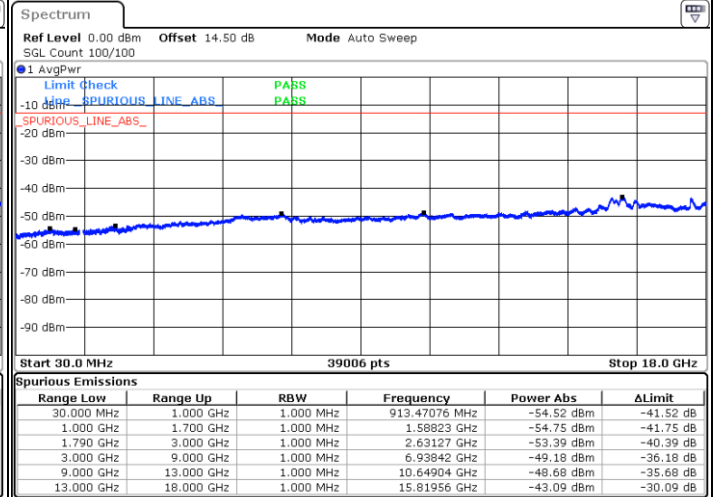
LTE Band 66 / 10MHz

Lowest Channel / QPSK



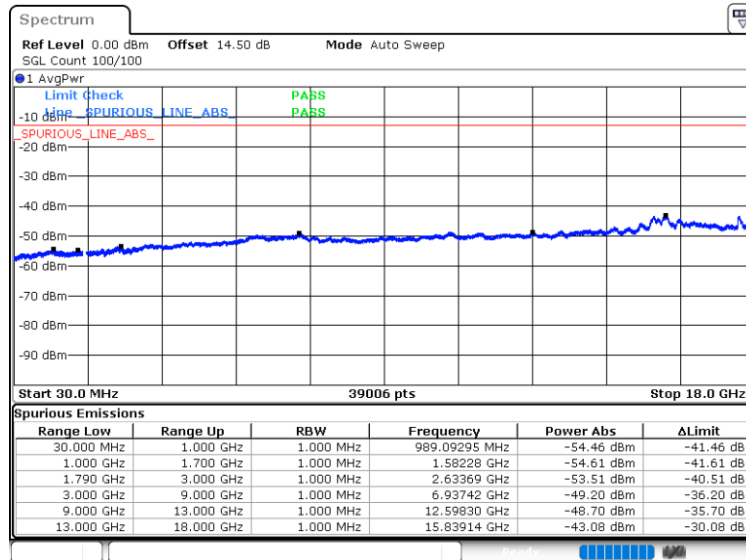
Date: 24.OCT.2024 16:43:14

Middle Channel / QPSK



Date: 24.OCT.2024 16:44:22

Highest Channel / QPSK

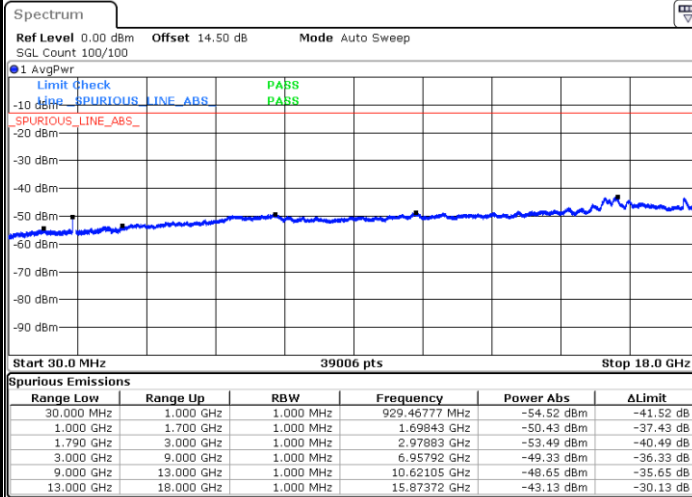


Date: 24.OCT.2024 16:50:49



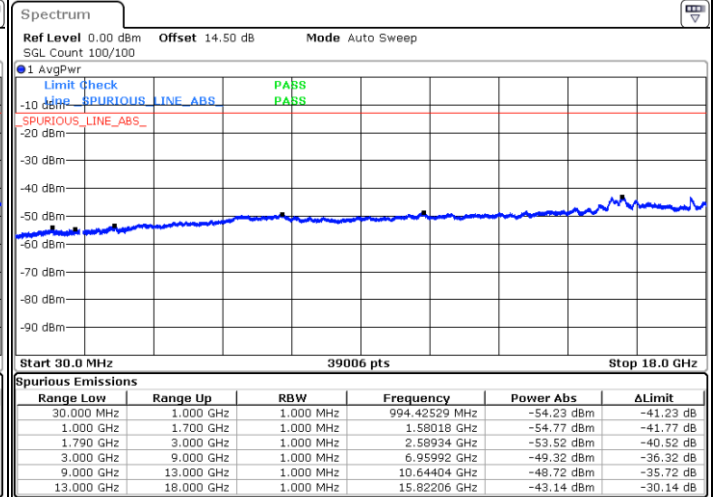
LTE Band 66 / 15MHz

Lowest Channel / QPSK



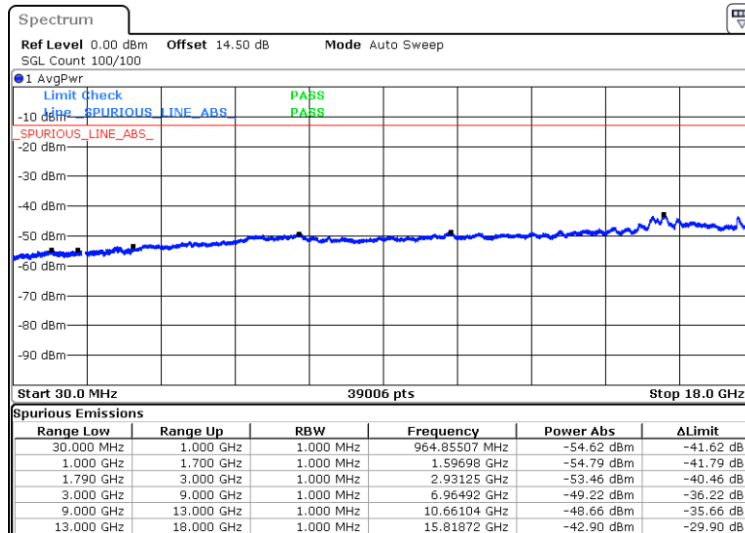
Date: 24.OCT.2024 16:55:59

Middle Channel / QPSK



Date: 24.OCT.2024 16:57:07

Highest Channel / QPSK

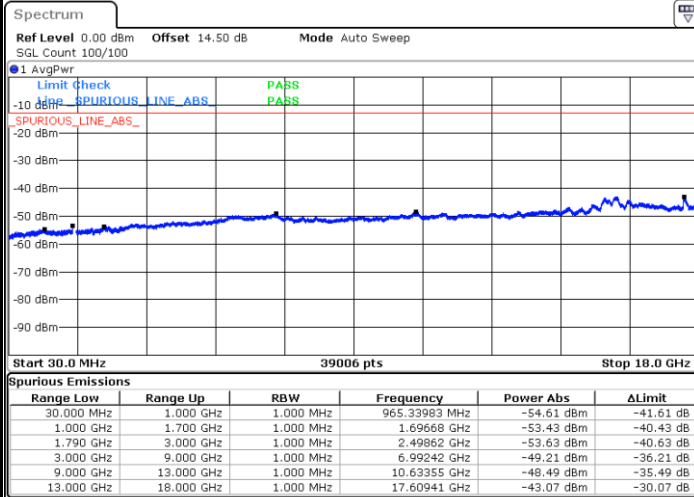


Date: 24.OCT.2024 17:03:35



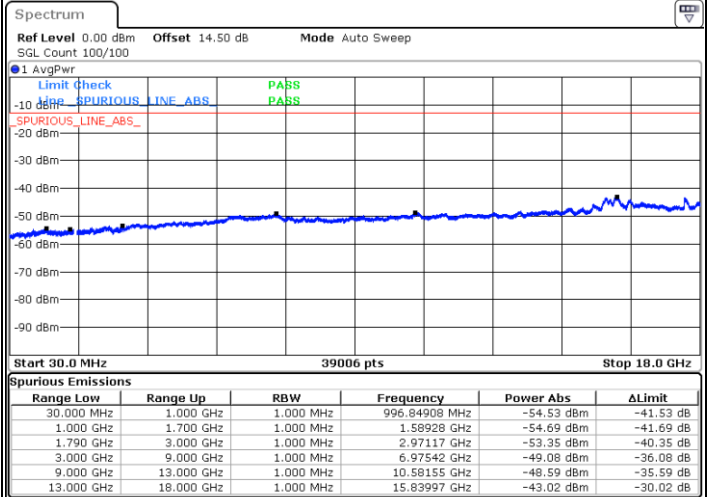
LTE Band 66 / 20MHz

Lowest Channel / QPSK



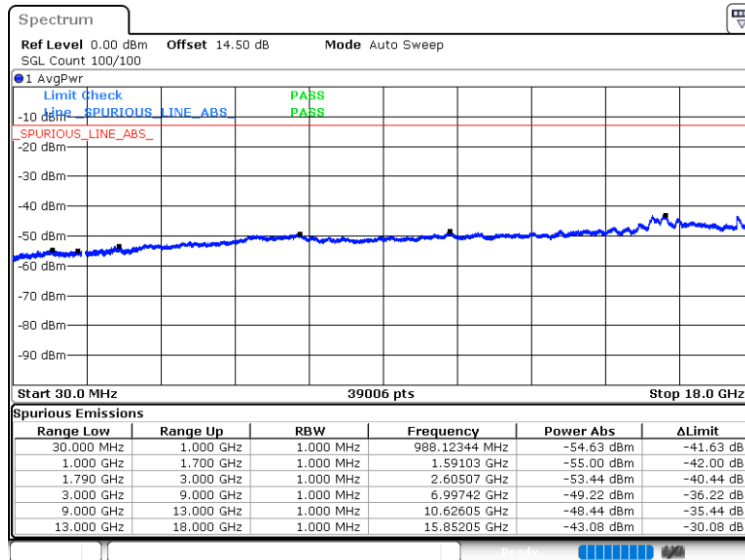
Date: 24.OCT.2024 17:08:42

Middle Channel / QPSK



Date: 24.OCT.2024 17:09:50

Highest Channel / QPSK



Date: 24.OCT.2024 17:17:50

**Frequency Stability**

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0037	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0072	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0058	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0072	

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 :	Jia Kuang	Temperature :	22~25℃
		Relative Humidity :	48~52%

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

LTE Band 2 / 20MHz / QPSK Ant.2									
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	3742.18	-57.00	-13	-44.00	-80.04	-63.75	5.85	12.60	H
	5613.27	-56.77	-13	-43.77	-81.35	-62.57	7.30	13.10	H
	7484.36	-54.42	-13	-41.42	-81.50	-57.57	8.35	11.50	H
	3742.18	-54.55	-13	-41.55	-79.6	-61.30	5.85	12.60	V
	5613.27	-55.64	-13	-42.64	-81.07	-61.44	7.30	13.10	V
	7484.36	-54.10	-13	-41.10	-81.16	-57.25	8.35	11.50	V

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

LTE Band 26 / 15MHz / QPSK Ant.0									
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	1659.5	-63.69	-13	-50.69	-75.89	-66.94	4.00	9.40	H
	2489.25	-58.59	-13	-45.59	-77.97	-62.16	4.88	10.60	H
	3319	-57.84	-13	-44.84	-78.99	-62.77	5.52	12.60	H
	1659.5	-62.90	-13	-49.90	-75.77	-66.15	4.00	9.40	V
	2489.25	-58.50	-13	-45.50	-78.14	-62.07	4.88	10.60	V
	3319	-56.73	-13	-43.73	-78.58	-61.66	5.52	12.60	V

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

LTE Band 66 / 20MHz / QPSK Ant.2									
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	3472	-57.64	-13	-44.64	-79.89	-64.49	5.65	12.50	H
	5208	-56.15	-13	-43.15	-81.06	-61.82	7.13	12.80	H
	6944	-54.71	-13	-41.71	-81.04	-58.11	8.40	11.80	H
	3472	-56.97	-13	-43.97	-79.02	-63.82	5.65	12.50	V
	5208	-55.98	-13	-42.98	-81.06	-61.65	7.13	12.80	V
	6944	-53.75	-13	-40.75	-80.81	-57.15	8.40	11.80	V

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