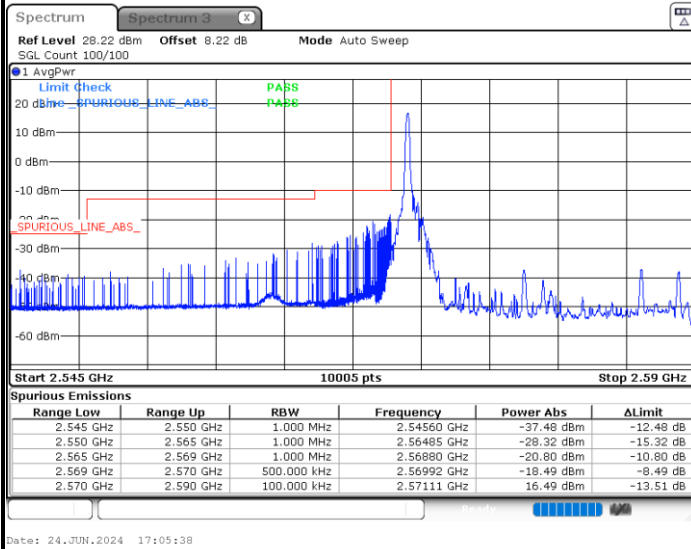


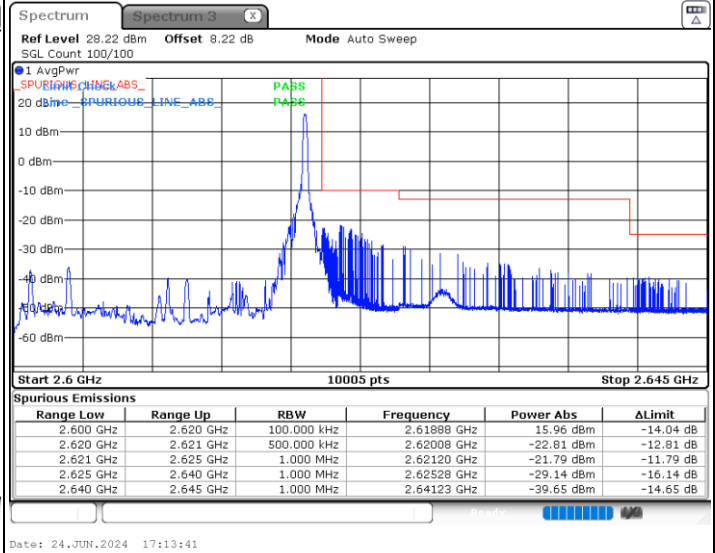


LTE Band 38 / 20MHz / 64QAM

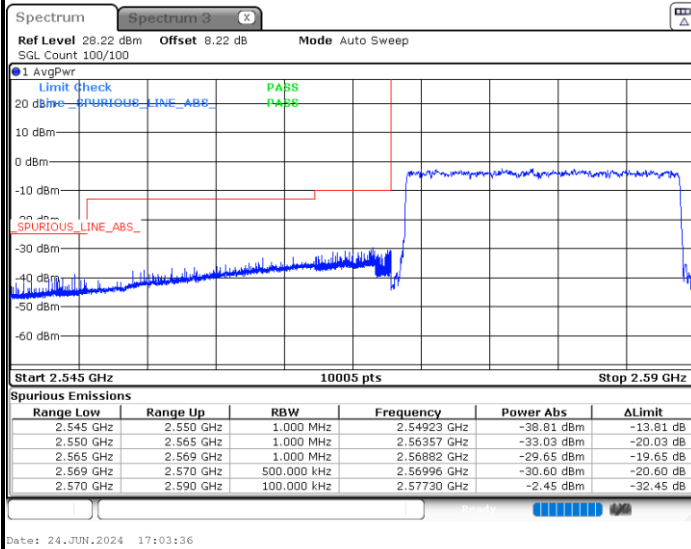
Lowest Band Edge / 1 RB



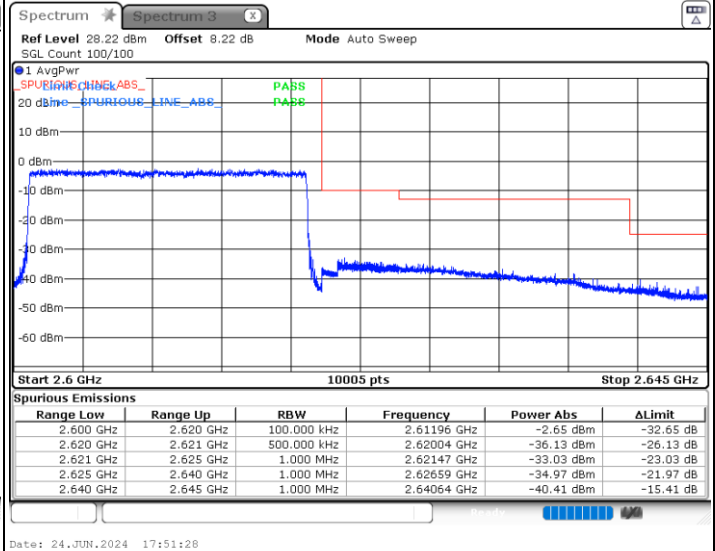
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

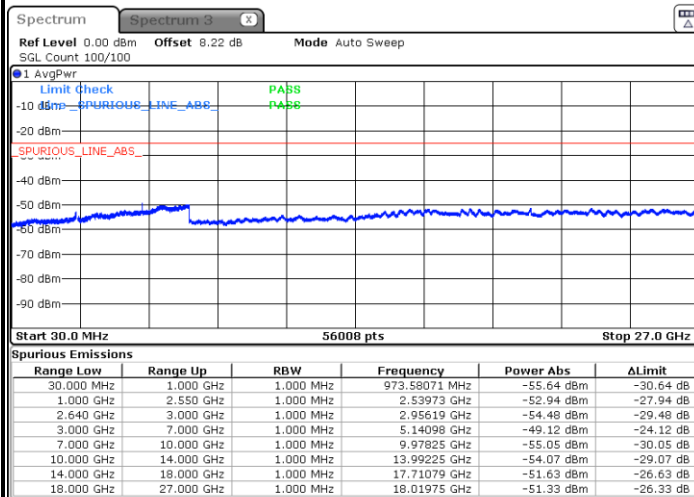




Conducted Spurious Emission

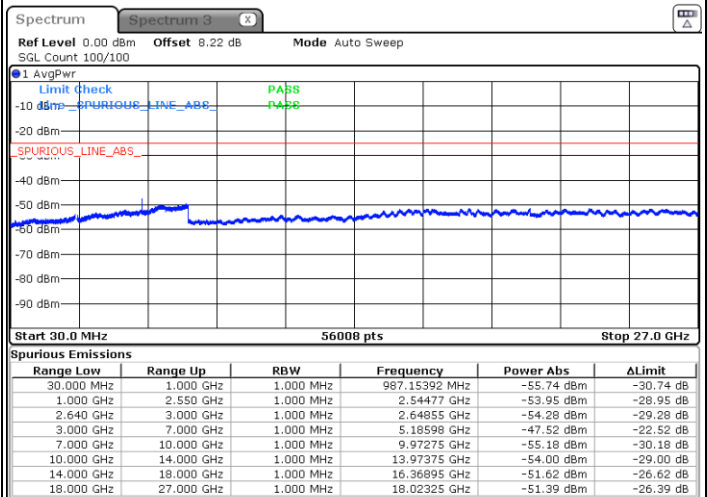
LTE Band 38 / 5MHz

Lowest Channel / QPSK



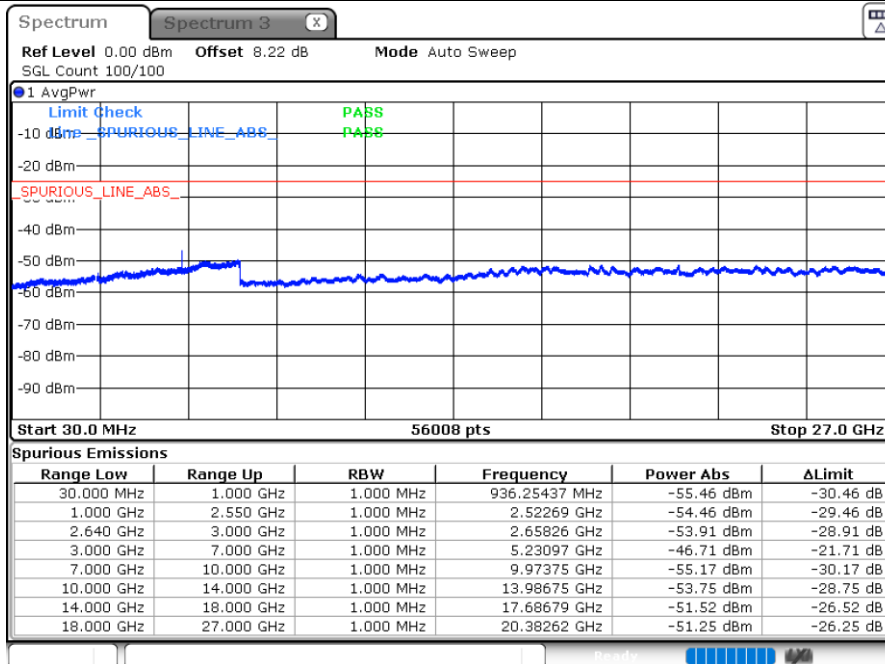
Date: 24.JUN.2024 16:25:15

Middle Channel / QPSK



Date: 24.JUN.2024 16:27:14

Highest Channel / QPSK

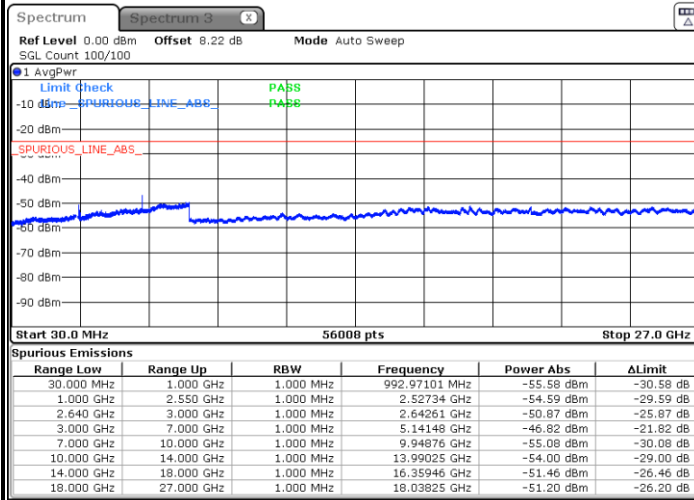


Date: 24.JUN.2024 16:29:14



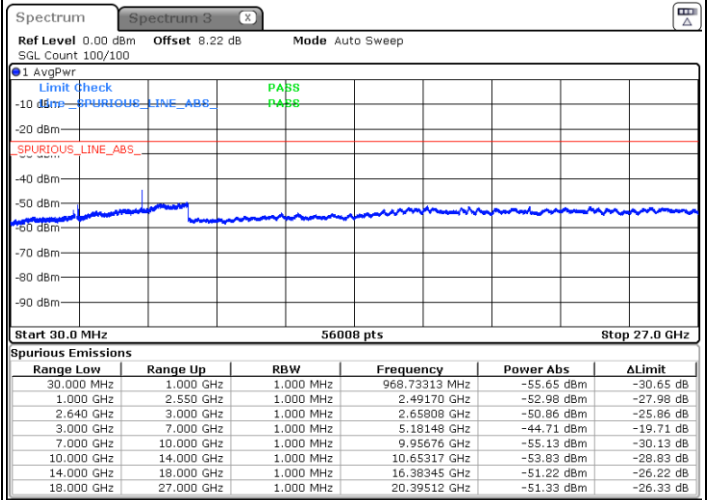
LTE Band 38 / 10MHz

Lowest Channel / QPSK



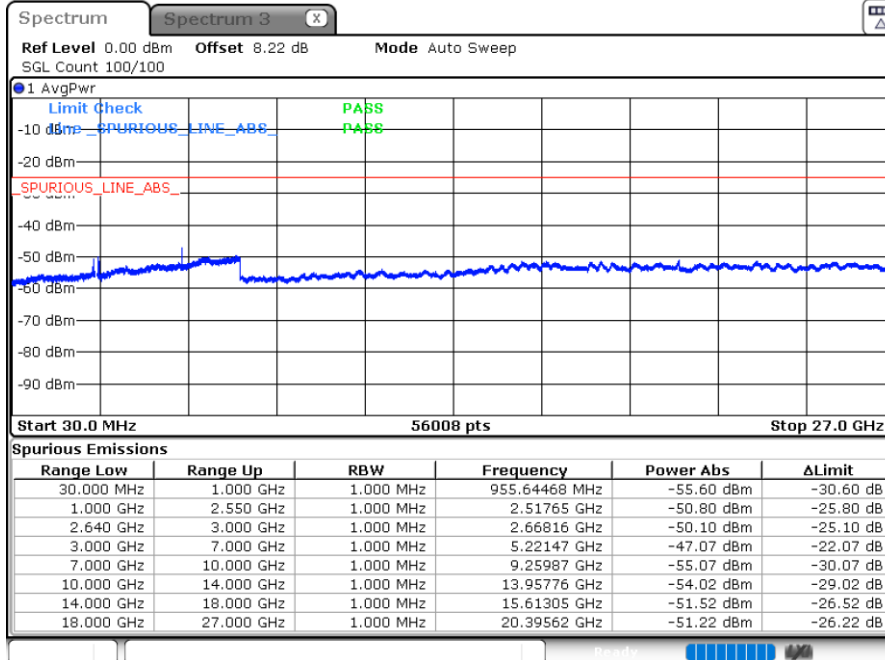
Date: 24.JUN.2024 16:39:22

Middle Channel / QPSK



Date: 24.JUN.2024 16:41:22

Highest Channel / QPSK

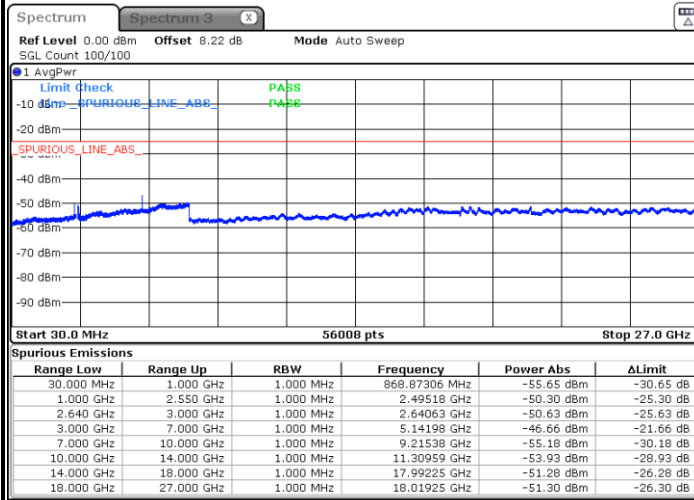


Date: 24.JUN.2024 16:43:21



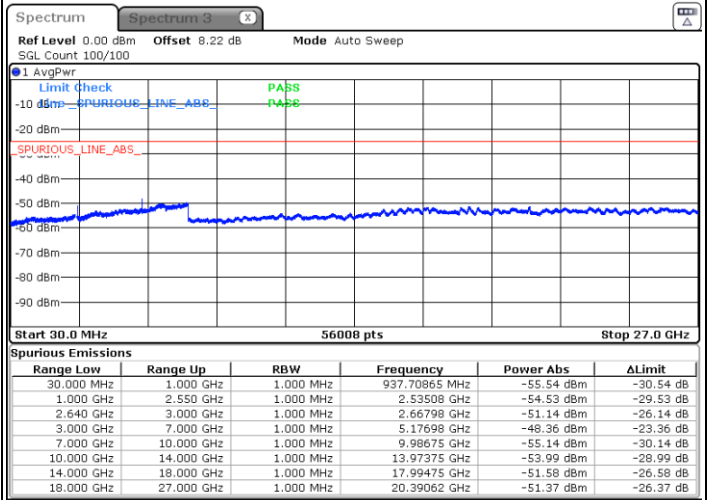
LTE Band 38 / 15MHz

Lowest Channel / QPSK



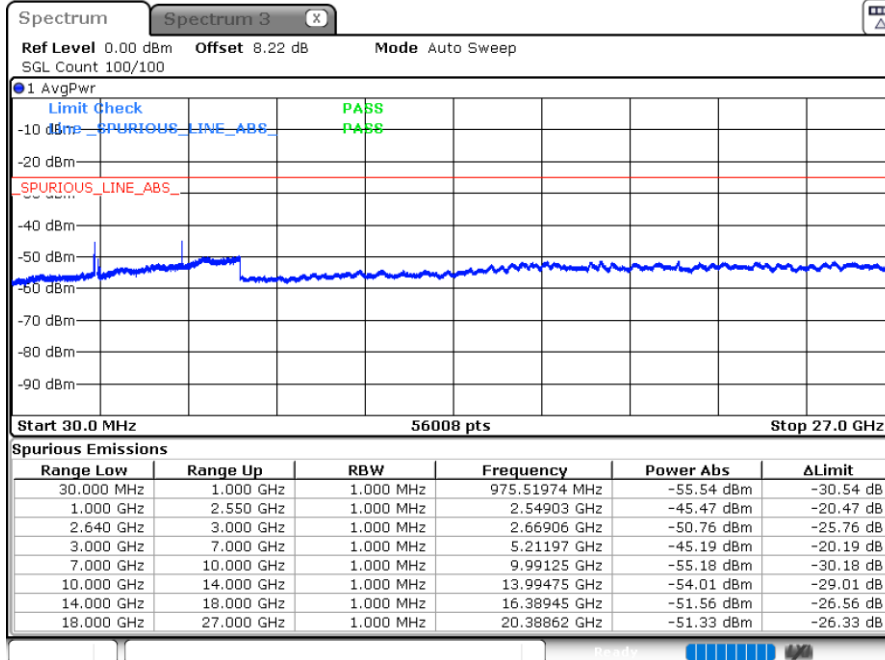
Date: 24.JUN.2024 16:53:30

Middle Channel / QPSK



Date: 24.JUN.2024 16:55:30

Highest Channel / QPSK

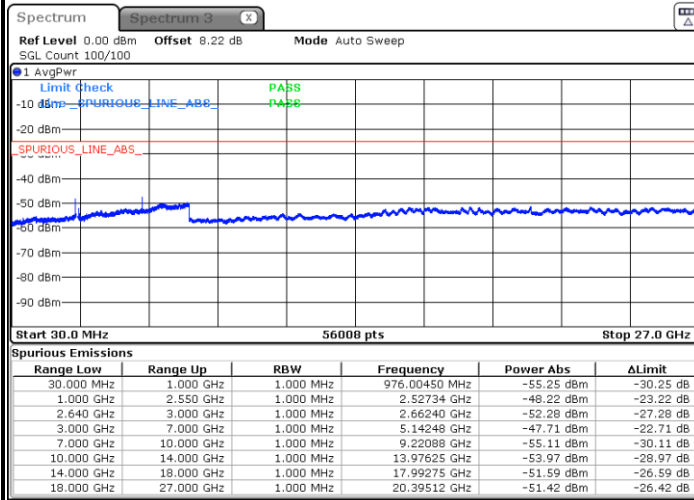


Date: 24.JUN.2024 16:57:29



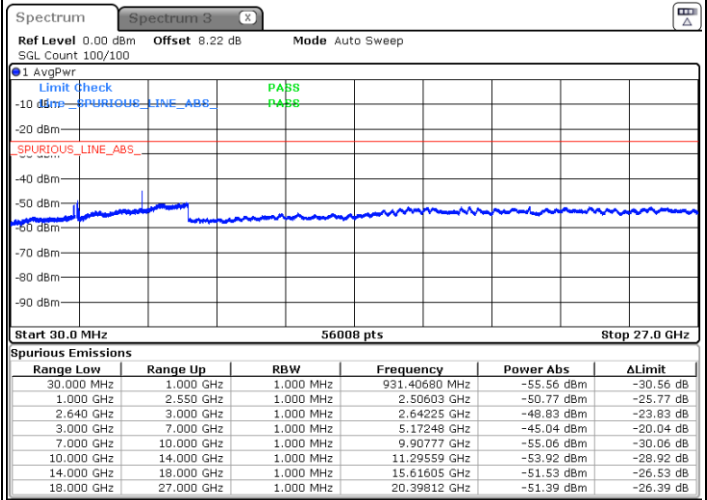
LTE Band 38 / 20MHz

Lowest Channel / QPSK



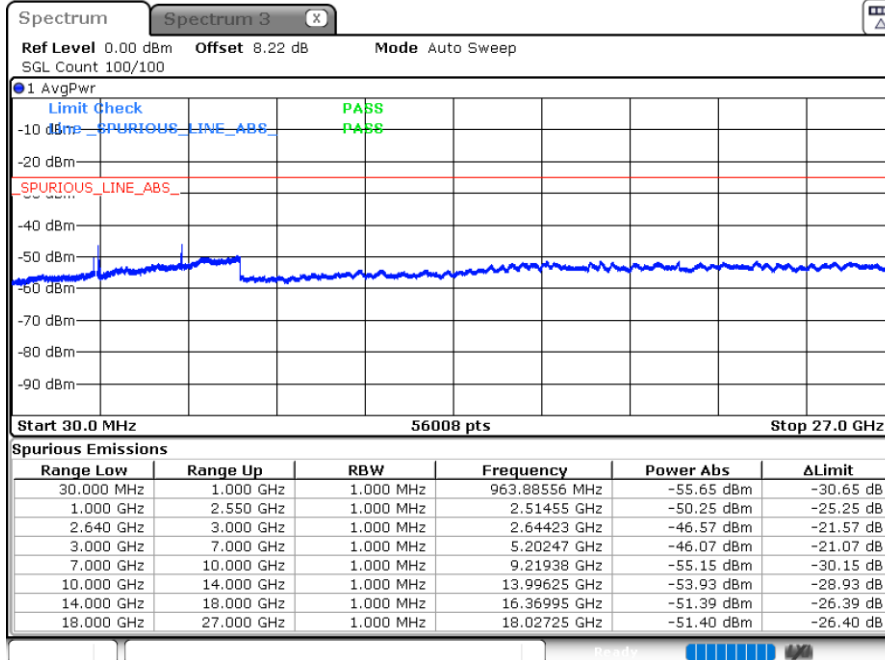
Date: 24.JUN.2024 17:07:38

Middle Channel / QPSK



Date: 24.JUN.2024 17:09:38

Highest Channel / QPSK



Date: 24.JUN.2024 17:11:38

**Frequency Stability**

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0048	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0063	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0043	
20	Battery End Point	0.0079	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris	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	-51.74	-13	-38.74	-64.00	2.64	14.90	H
	5610	-54.24	-13	-41.24	-66.10	2.94	14.80	H
	7485	-54.10	-13	-41.10	-63.87	3.39	13.16	H
	3735	-53.31	-13	-40.31	-65.57	2.64	14.90	V
	5610	-55.38	-13	-42.38	-67.24	2.94	14.80	V
	7485	-54.52	-13	-41.52	-64.29	3.39	13.16	V

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

LTE Band 4 / 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	3450	-57.06	-13	-44.06	-67.80	2.604	13.34	H
	5175	-54.99	-13	-41.99	-65.50	3.011	13.52	H
	6900	-55.37	-13	-42.37	-65.57	3.271	13.47	H
	3450	-57.28	-13	-44.28	-68.02	2.604	13.34	V
	5175	-54.98	-13	-41.98	-65.49	3.011	13.52	V
	6900	-55.62	-13	-42.62	-65.82	3.271	13.47	V

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

LTE Band 38 / 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	5176	-61.50	-25	-36.50	-71.71	3.03	13.24	H
	7752	-46.18	-25	-21.18	-55.63	3.56	13.01	H
	10342	-61.56	-25	-36.56	-71.08	3.92	13.44	H
	5176	-59.17	-25	-34.17	-69.38	3.03	13.24	V
	7752	-46.50	-25	-21.50	-55.95	3.56	13.01	V
	10342	-61.79	-25	-36.79	-71.31	3.92	13.44	V

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