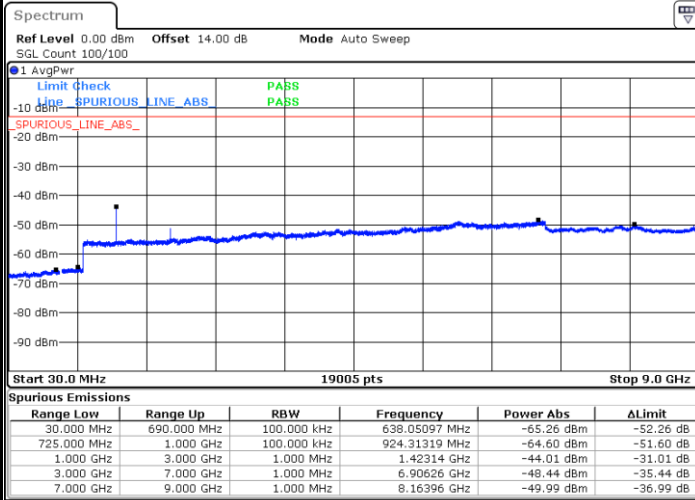




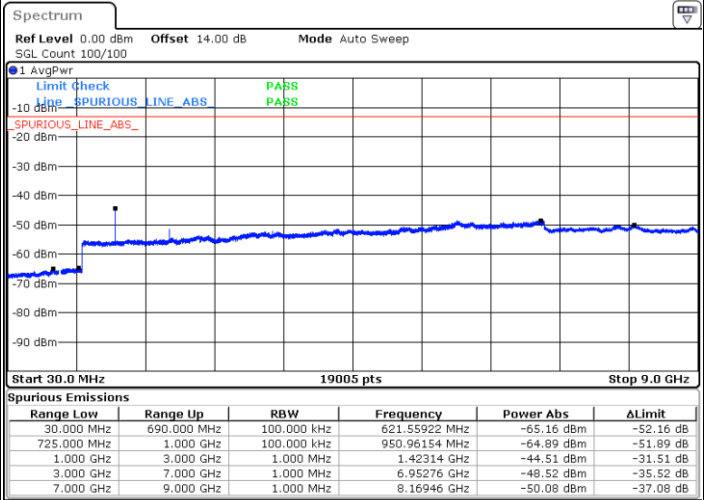
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 12.SEP.2020 06:26:02

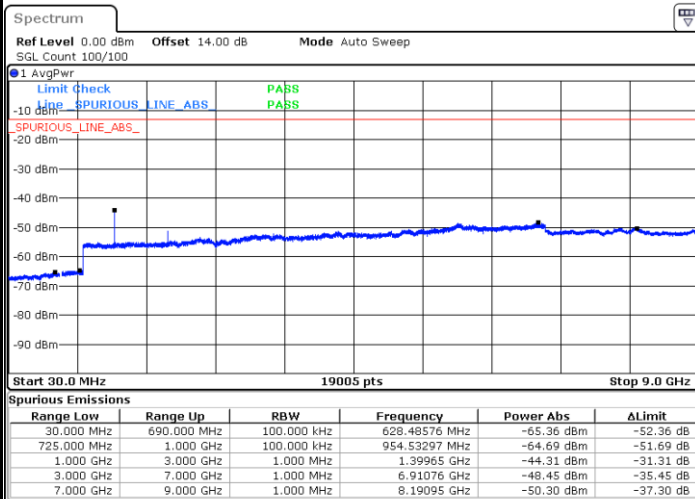
Highest Channel / 16QAM



Date: 12.SEP.2020 06:26:51

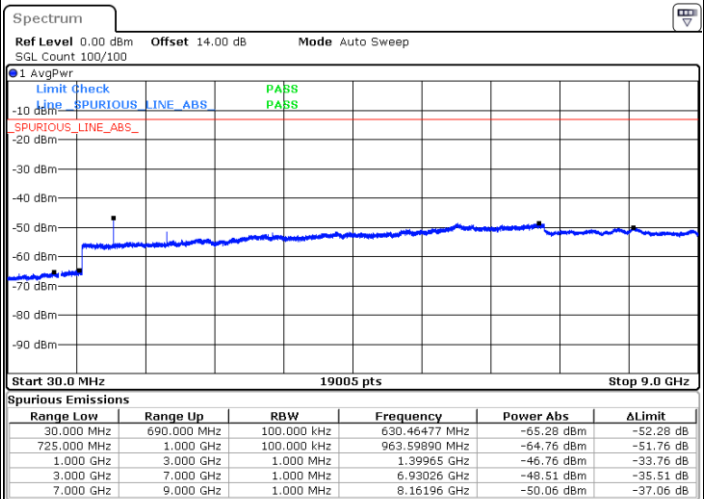
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 12.SEP.2020 07:40:38

Lowest Channel / 16QAM

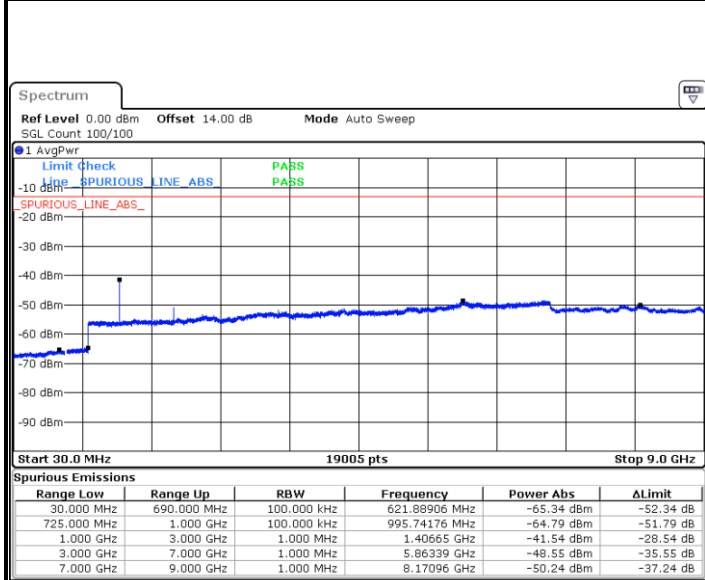


Date: 12.SEP.2020 07:53:00



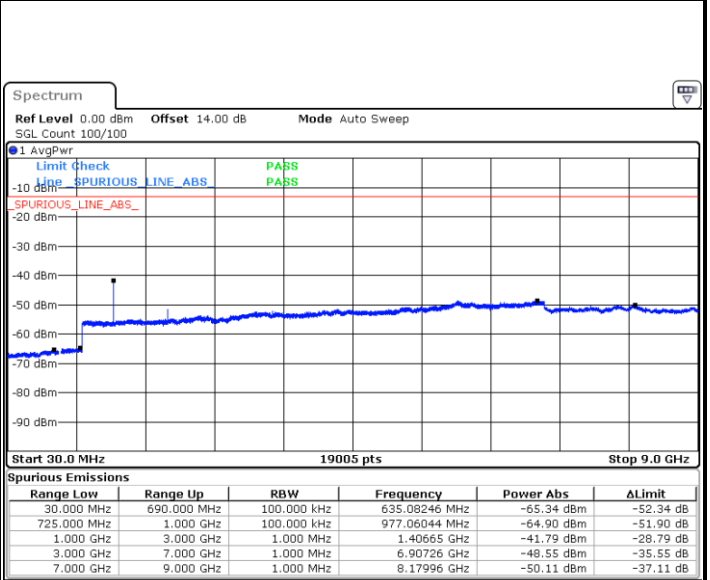
LTE Band 12 / 10MHz

Middle Channel / QPSK



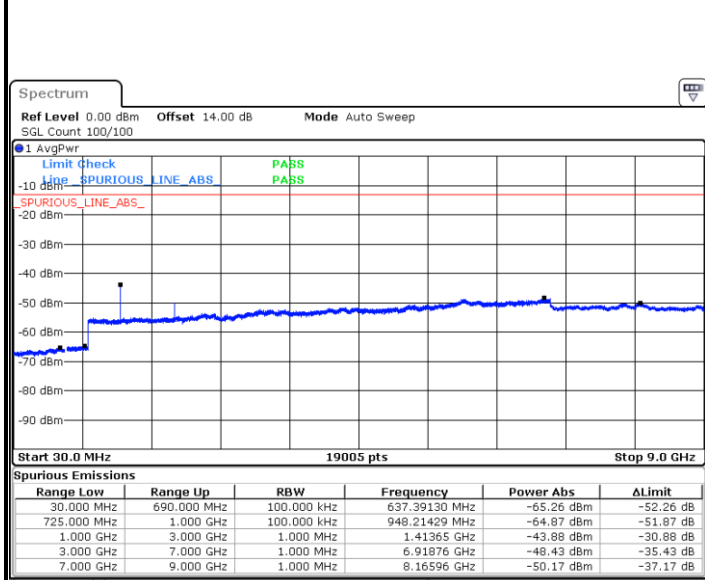
Date: 12.SEP.2020 06:55:08

Middle Channel / 16QAM



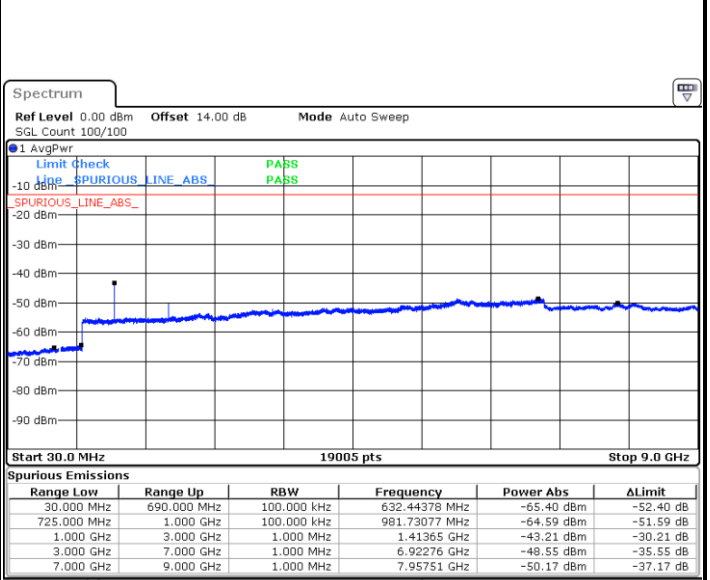
Date: 12.SEP.2020 06:53:14

Highest Channel / QPSK



Date: 12.SEP.2020 08:17:36

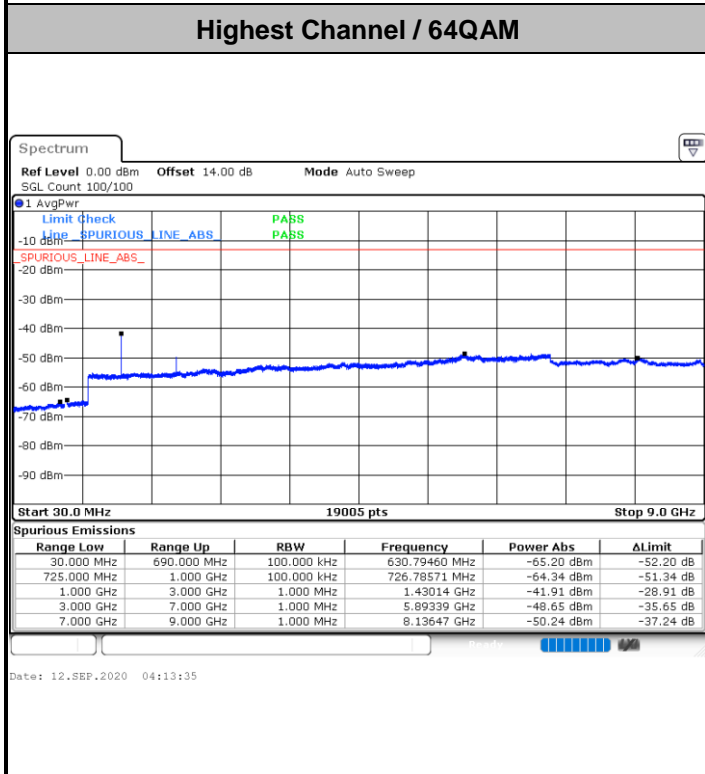
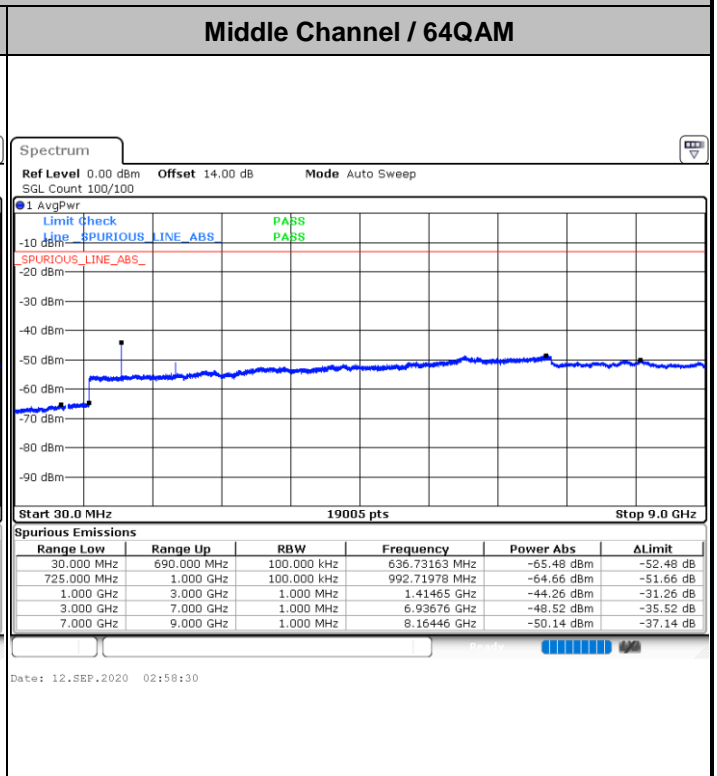
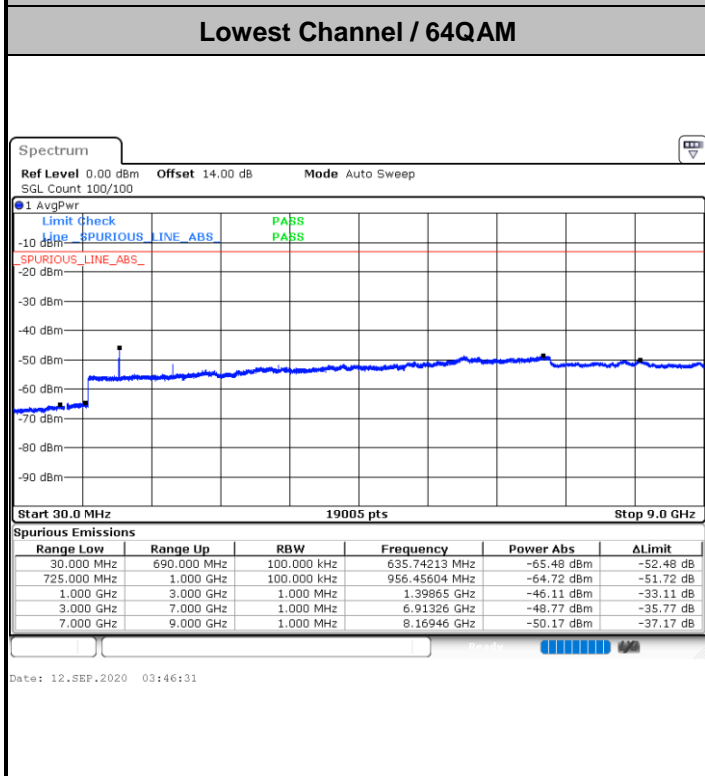
Highest Channel / 16QAM



Date: 12.SEP.2020 08:16:13



LTE Band 12 / 1.4MHz

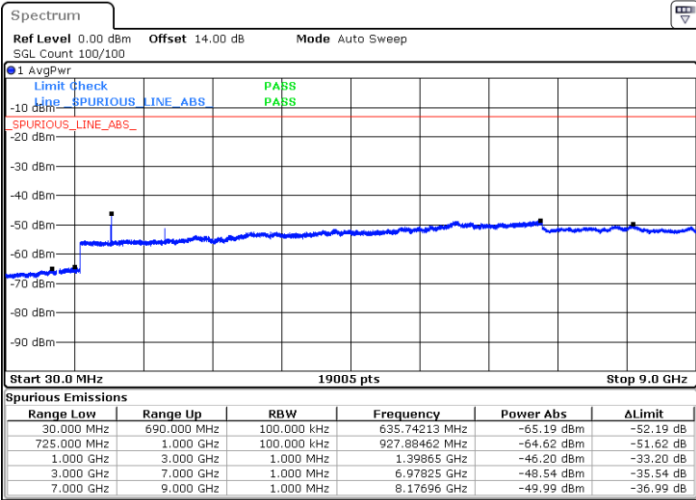




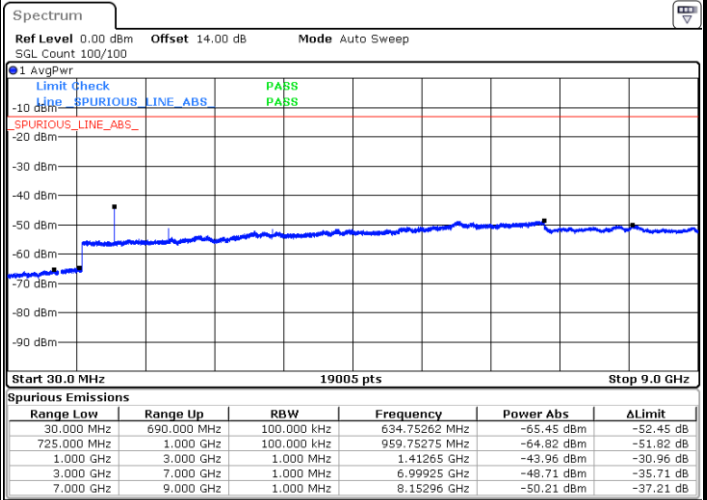
LTE Band 12 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

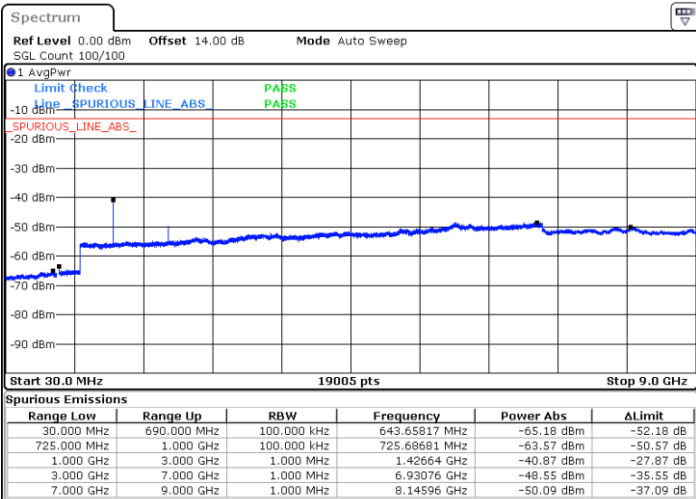


Date: 12.SEP.2020 04:38:10



Date: 12.SEP.2020 04:28:52

Highest Channel / 64QAM



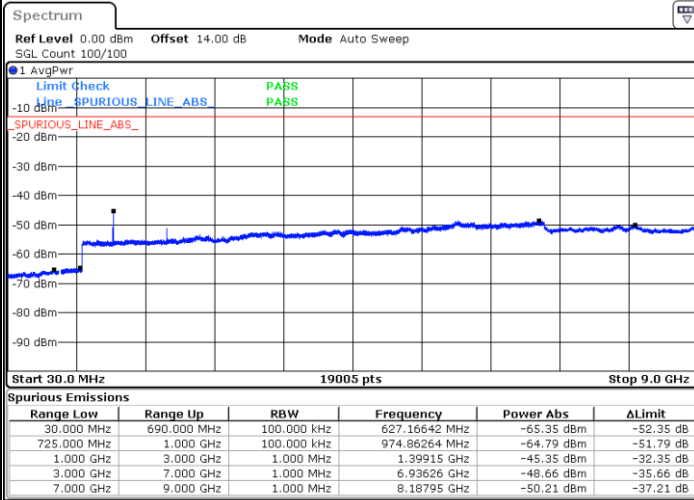
Date: 12.SEP.2020 05:51:28



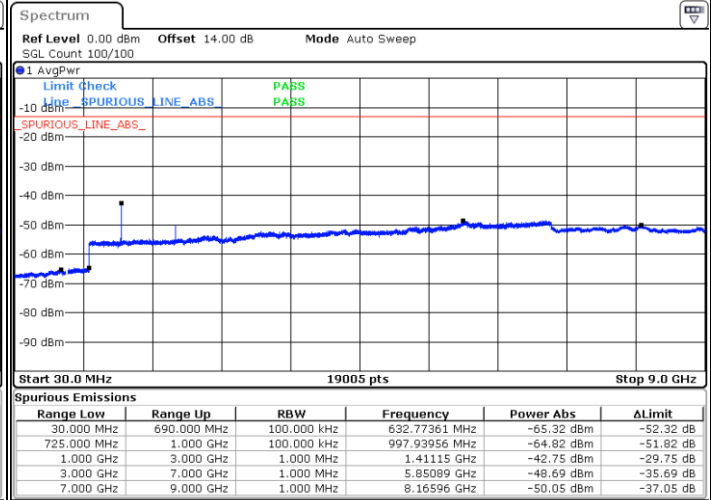
LTE Band 12 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

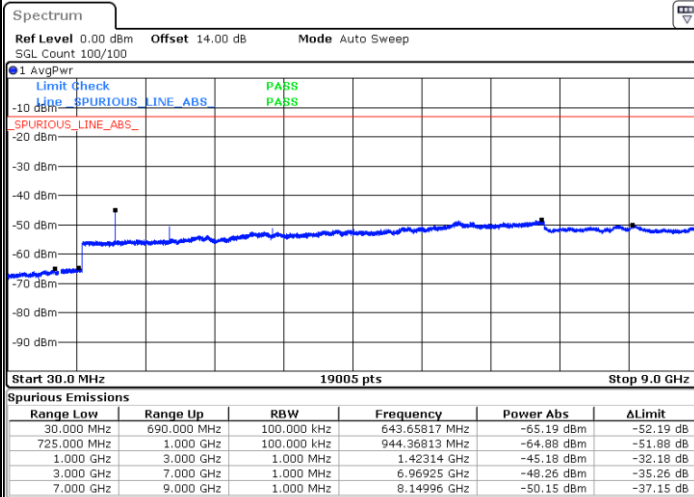


Date: 12.SEP.2020 06:11:23



Date: 12.SEP.2020 05:59:24

Highest Channel / 64QAM



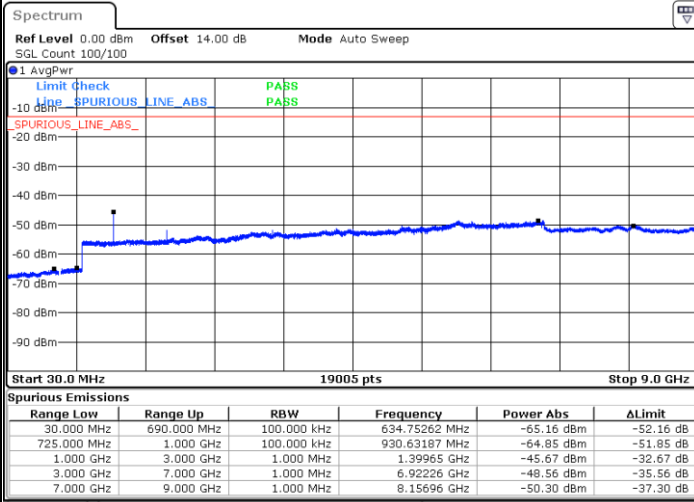
Date: 12.SEP.2020 06:29:26



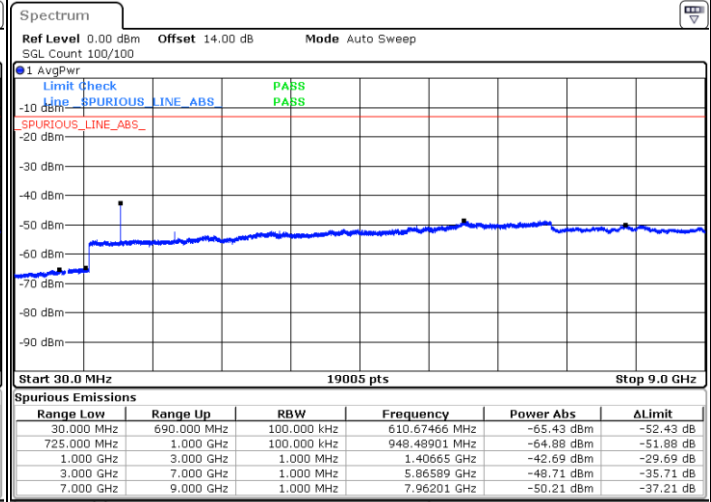
LTE Band 12 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

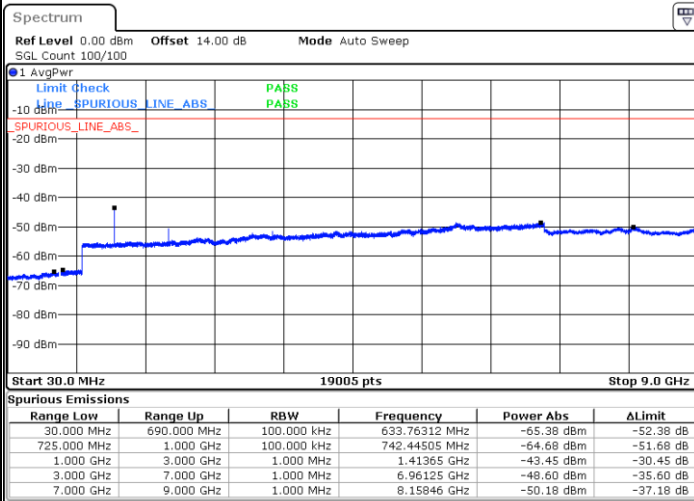


Date: 12.SEP.2020 07:55:35



Date: 12.SEP.2020 06:49:25

Highest Channel / 64QAM



Date: 12.SEP.2020 08:14:55



Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0030	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.7 V. ; Maximum Voltage =4.0 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 5 / 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	1664	-67.11	-13	-54.11	-70.35	1.11	6.50	H
	2496	-66.18	-13	-53.18	-68.80	1.43	6.20	H
	3330	-64.83	-13	-51.83	-69.27	1.71	8.30	H
	1664	-67.18	-13	-54.18	-70.42	1.11	6.50	V
	2496	-65.99	-13	-52.99	-68.61	1.43	6.20	V
	3330	-64.49	-13	-51.49	-68.93	1.71	8.30	V

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

LTE Band 12 / 10MHz / 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	1406	-68.59	-13	-55.59	-75.56	1.58	10.70	H
	2108	-66.27	-13	-53.27	-74.52	2.102	12.50	H
	2812	-65.81	-13	-52.81	-74.70	2.856	13.90	H
	3516	-63.94	-13	-50.94	-72.40	2.689	13.30	H
	1406	-69.14	-13	-56.14	-76.11	1.58	10.70	V
	2108	-67.40	-13	-54.40	-75.65	2.10	12.50	V
	2812	-65.71	-13	-52.71	-74.60	2.86	13.90	V
	3516	-64.15	-13	-51.15	-72.61	2.69	13.30	V

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