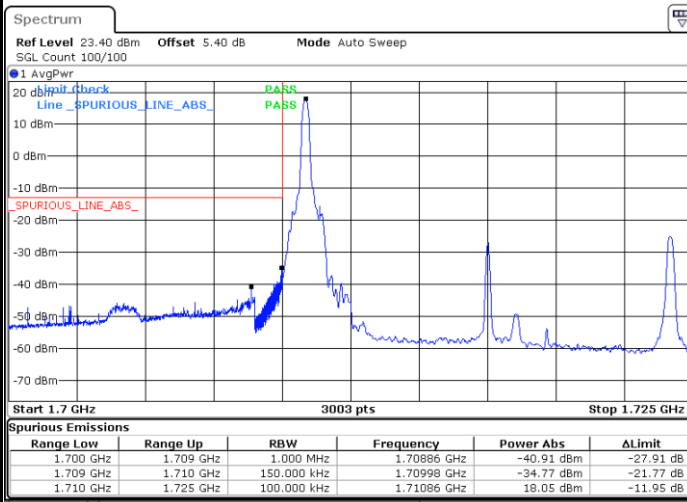




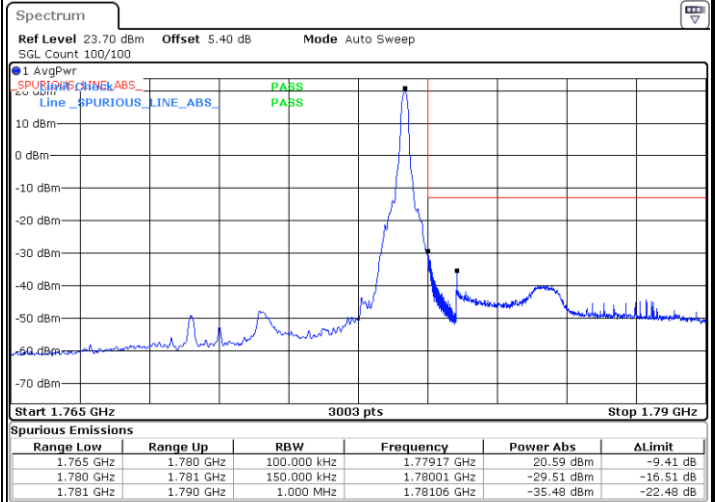
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



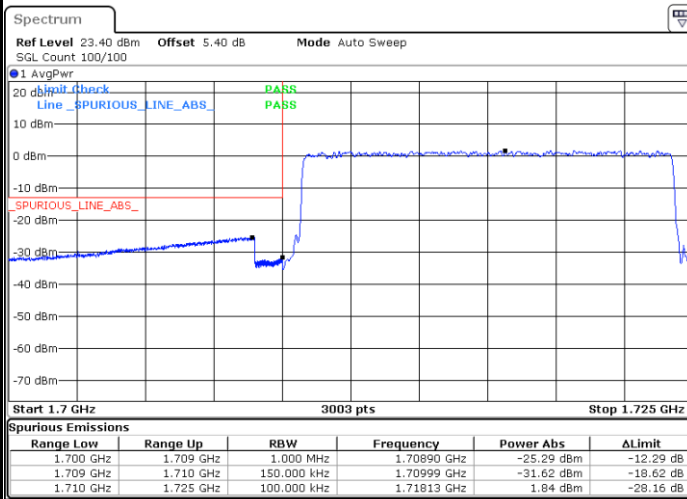
Date: 2.JAN.2021 00:43:05

Highest Band Edge / 1 RB



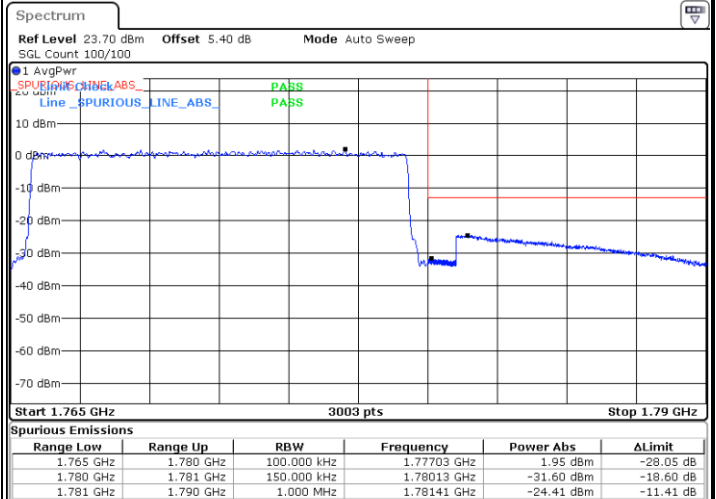
Date: 2.JAN.2021 00:50:58

Lowest Band Edge / Full RB



Date: 2.JAN.2021 00:44:13

Highest Band Edge / Full RB

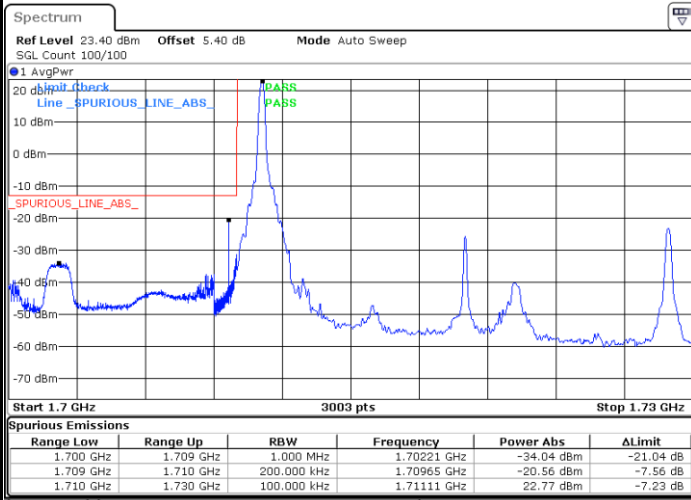


Date: 2.JAN.2021 00:49:50



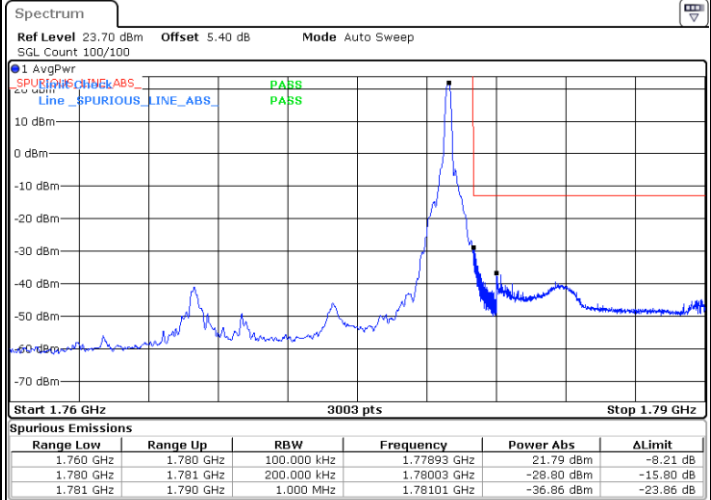
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



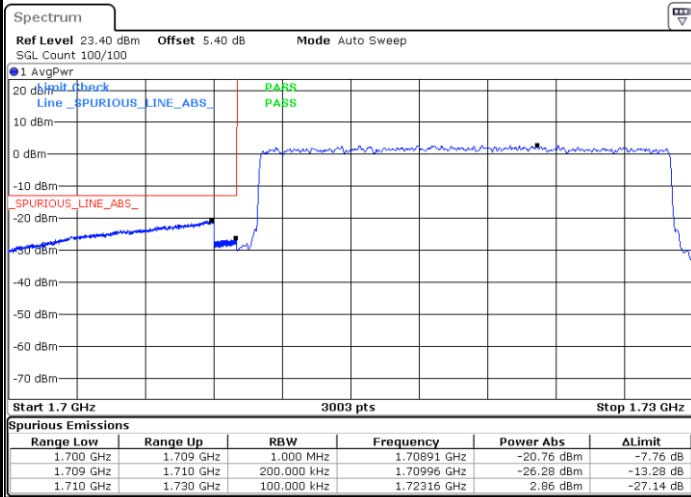
Date: 2.JAN.2021 00:54:20

Highest Band Edge / 1 RB



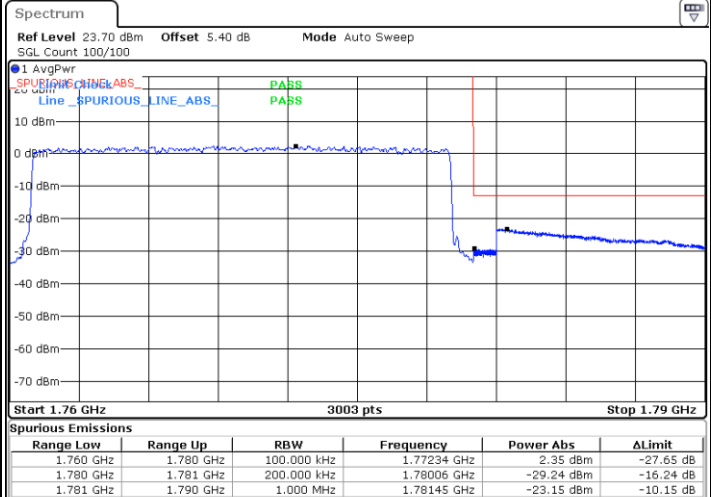
Date: 2.JAN.2021 01:06:44

Lowest Band Edge / Full RB



Date: 2.JAN.2021 00:59:58

Highest Band Edge / Full RB

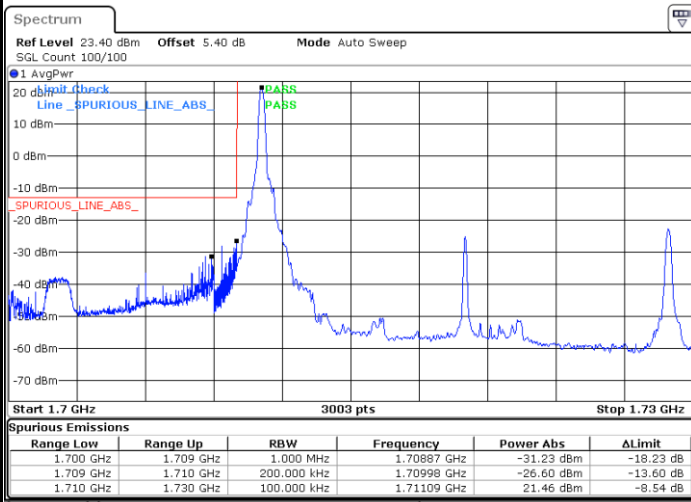


Date: 2.JAN.2021 01:01:06



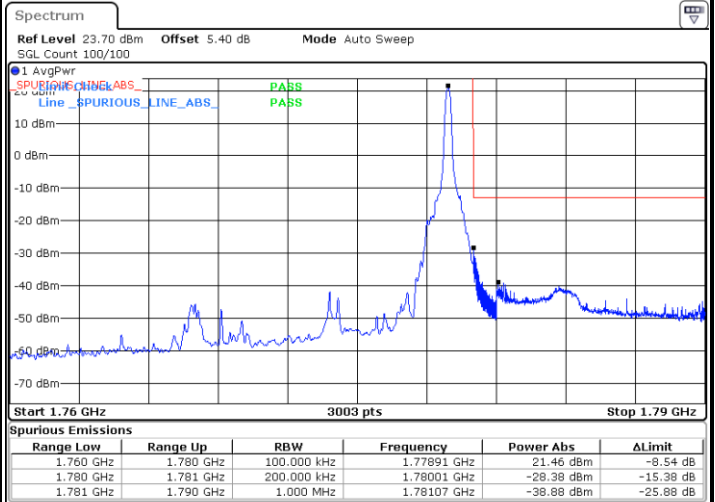
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



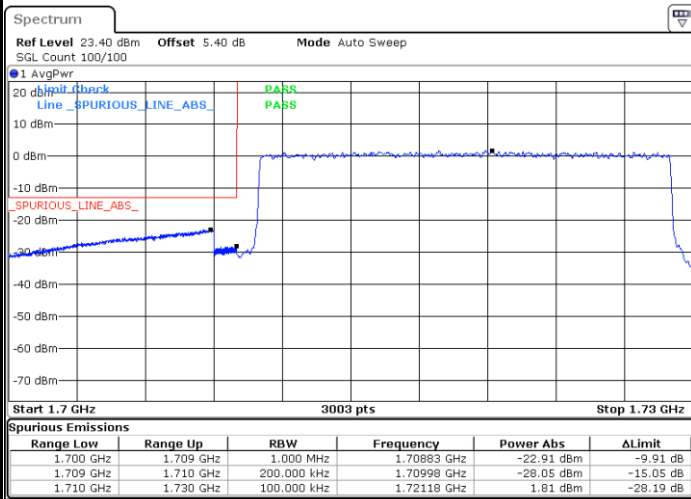
Date: 2.JAN.2021 00:55:28

Highest Band Edge / 1 RB



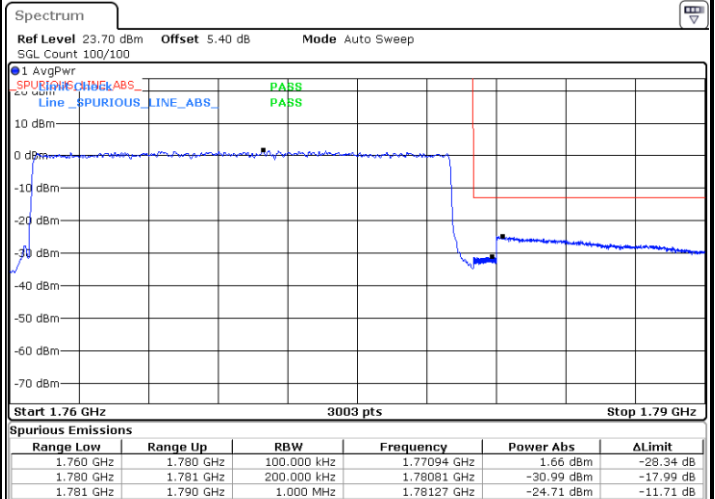
Date: 2.JAN.2021 01:05:36

Lowest Band Edge / Full RB



Date: 2.JAN.2021 00:58:51

Highest Band Edge / Full RB

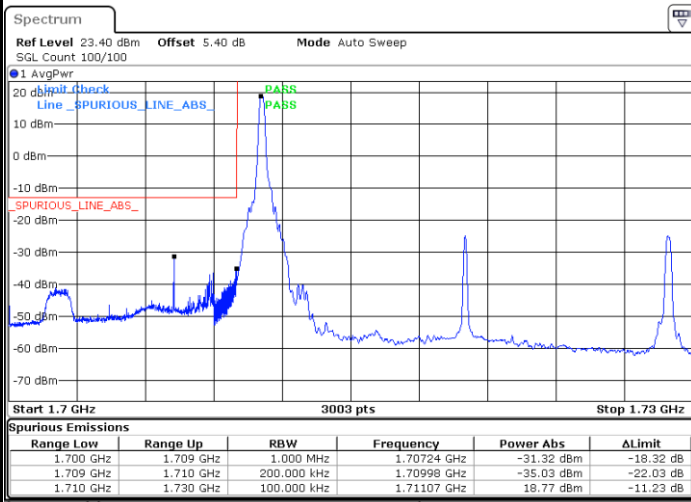


Date: 2.JAN.2021 01:02:13



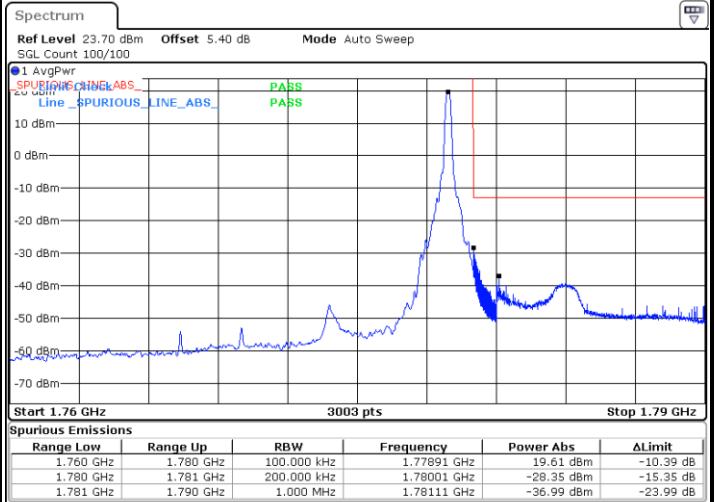
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



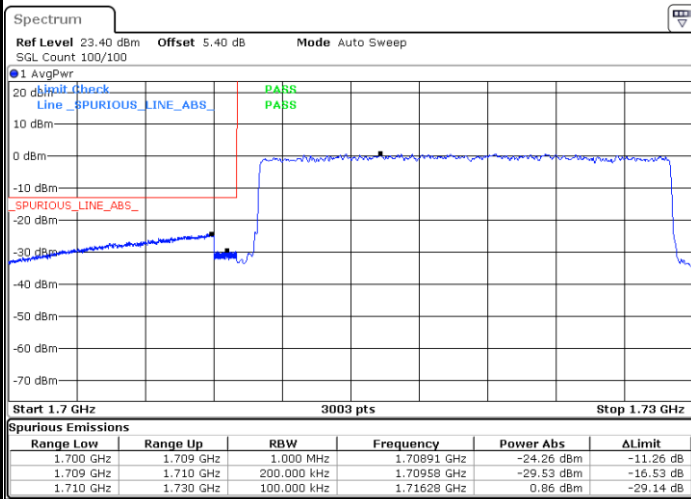
Date: 2.JAN.2021 00:56:36

Highest Band Edge / 1 RB



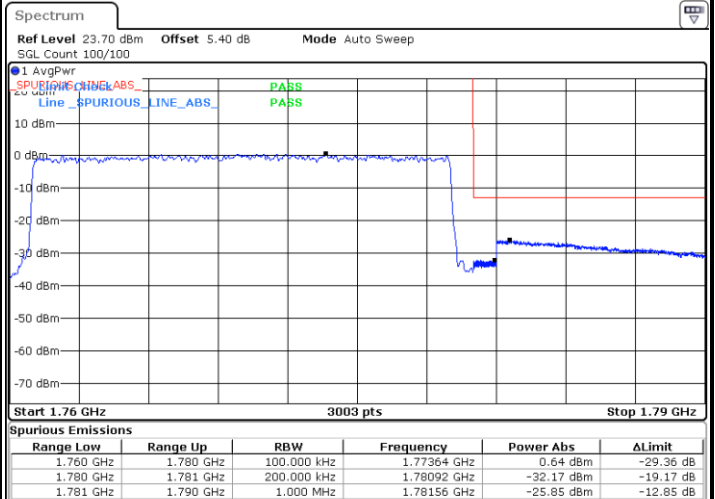
Date: 2.JAN.2021 01:04:28

Lowest Band Edge / Full RB



Date: 2.JAN.2021 00:57:43

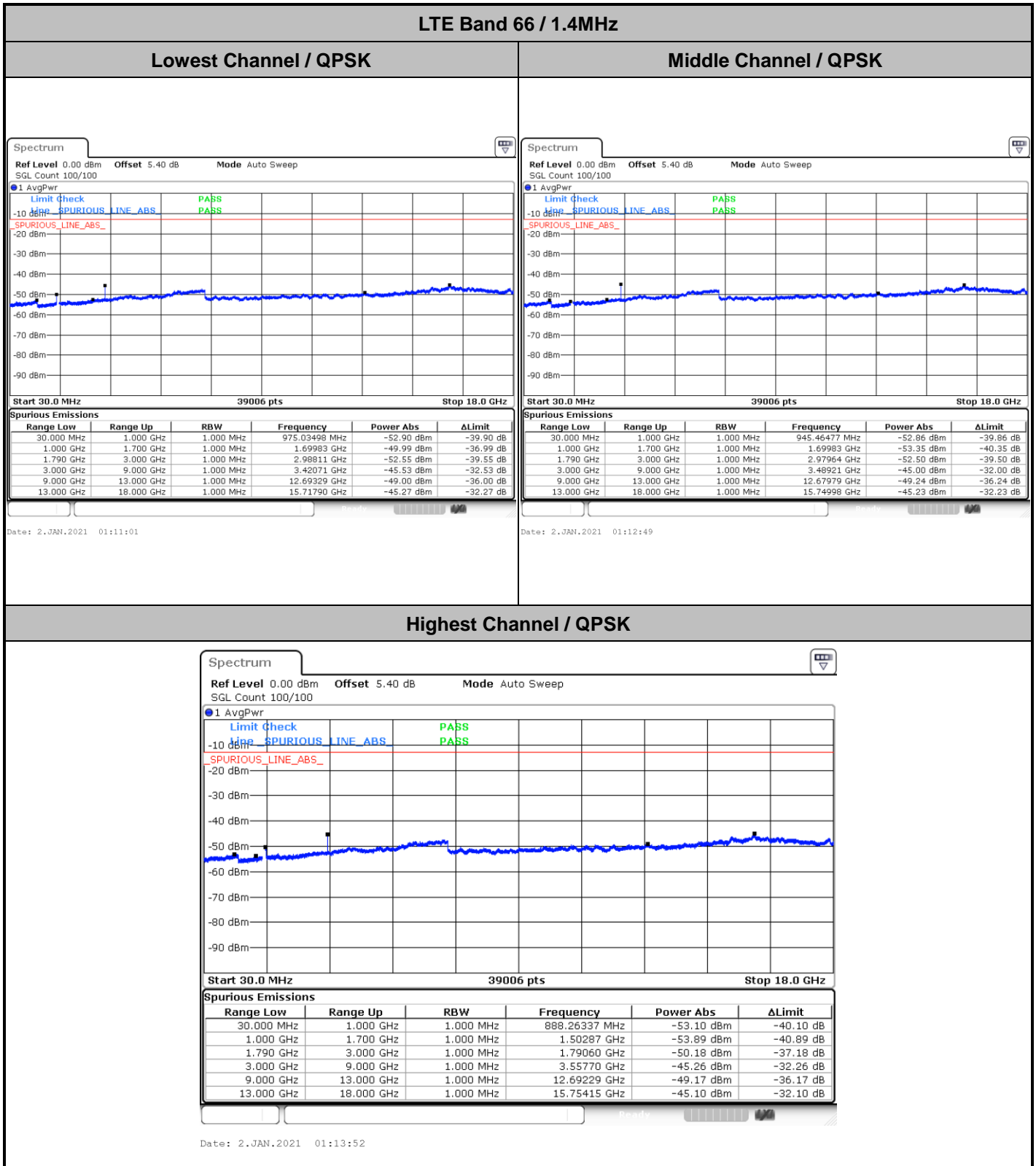
Highest Band Edge / Full RB



Date: 2.JAN.2021 01:03:21



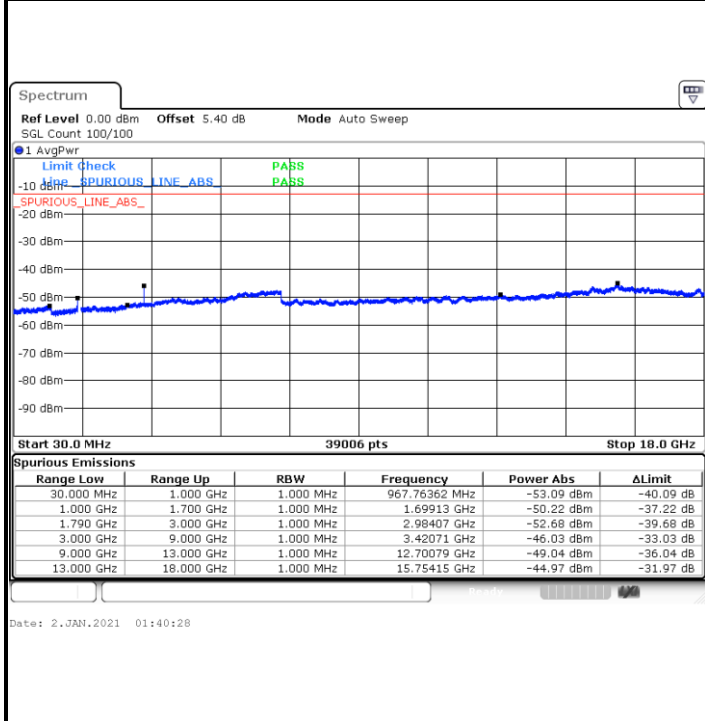
Conducted Spurious Emission



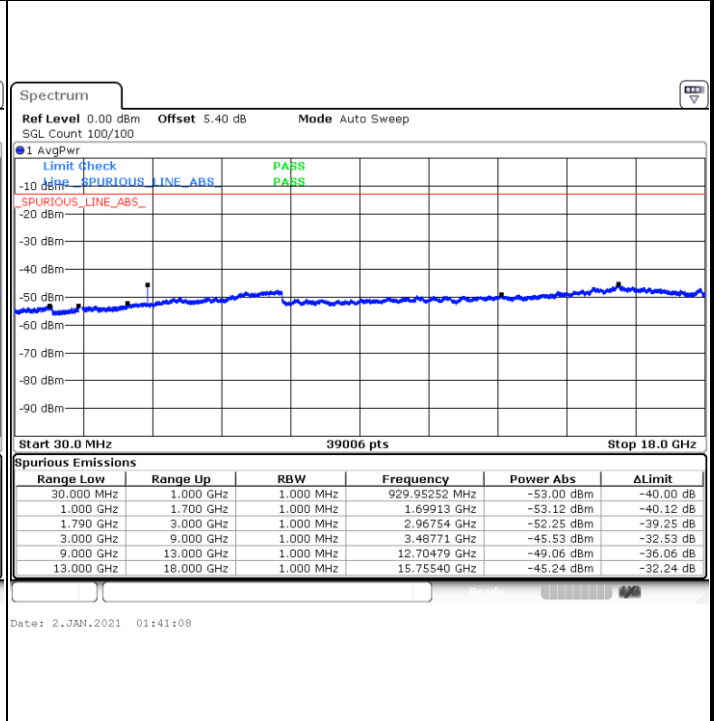


LTE Band 66 / 3MHz

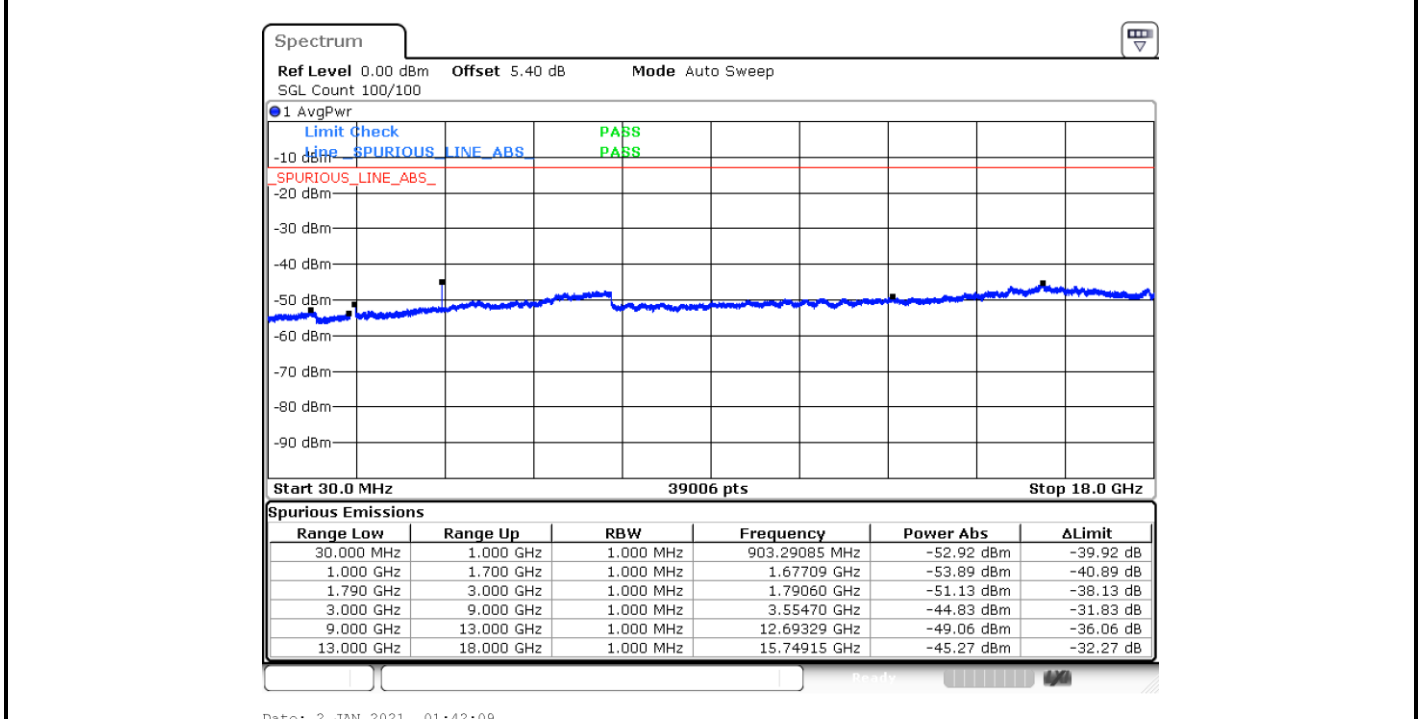
Lowest Channel / QPSK



Middle Channel / QPSK



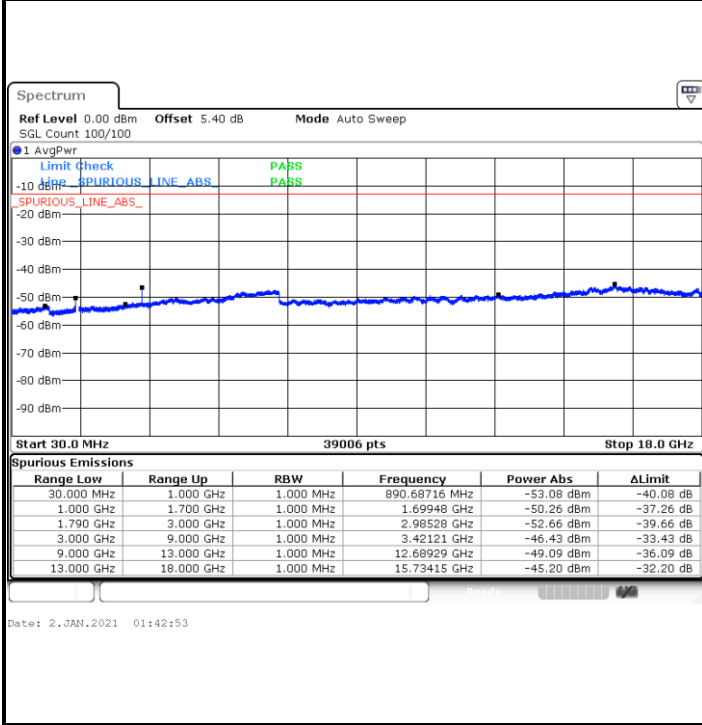
Highest Channel / QPSK



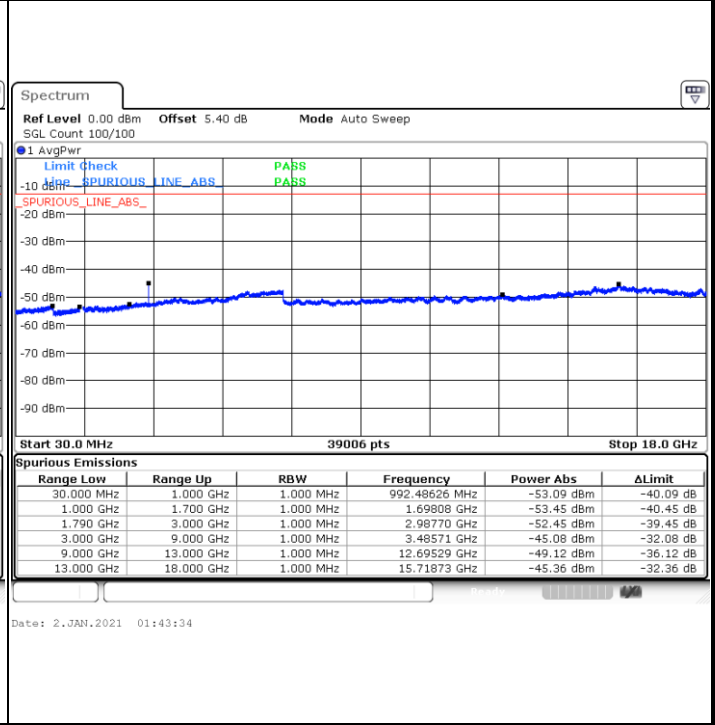


LTE Band 66 / 5MHz

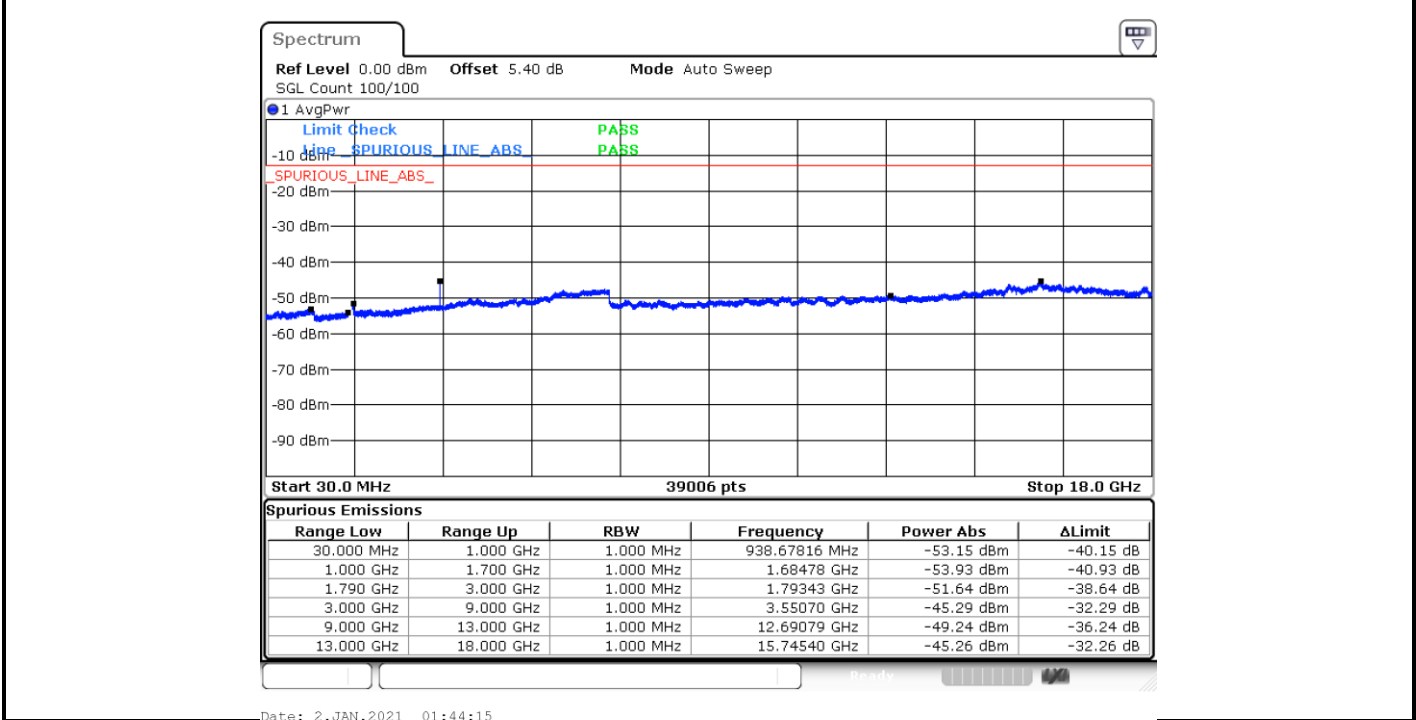
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

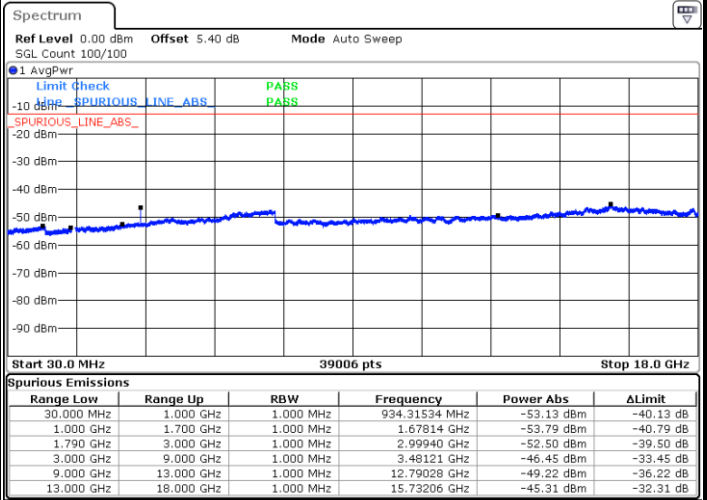
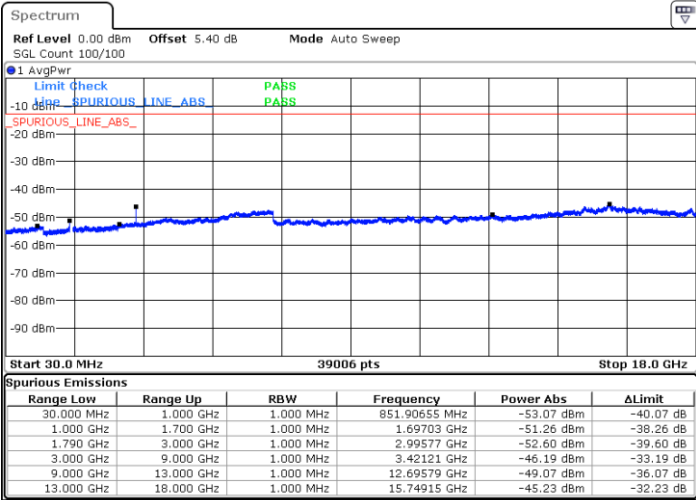




LTE Band 66 / 10MHz

Lowest Channel / QPSK

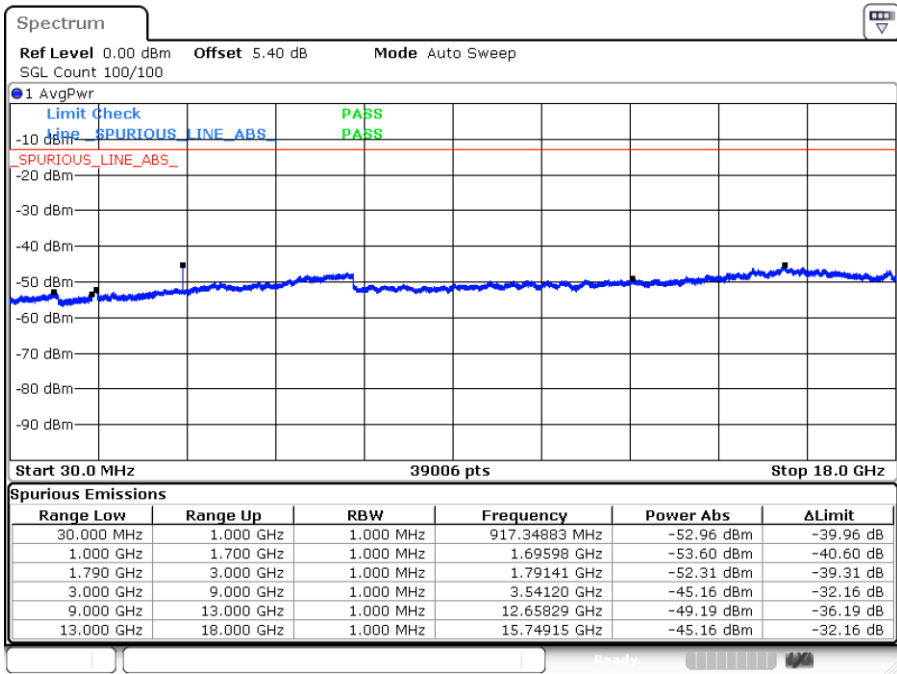
Middle Channel / QPSK



Date: 2, JAN, 2021 01:44:59

Date: 2, JAN, 2021 01:45:40

Highest Channel / QPSK



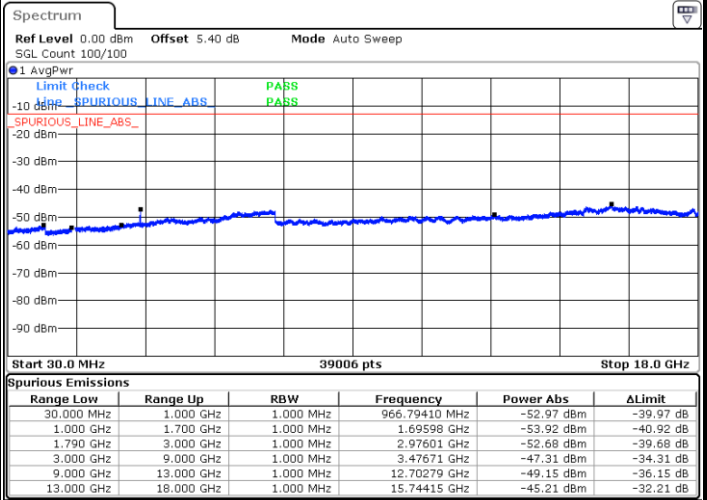
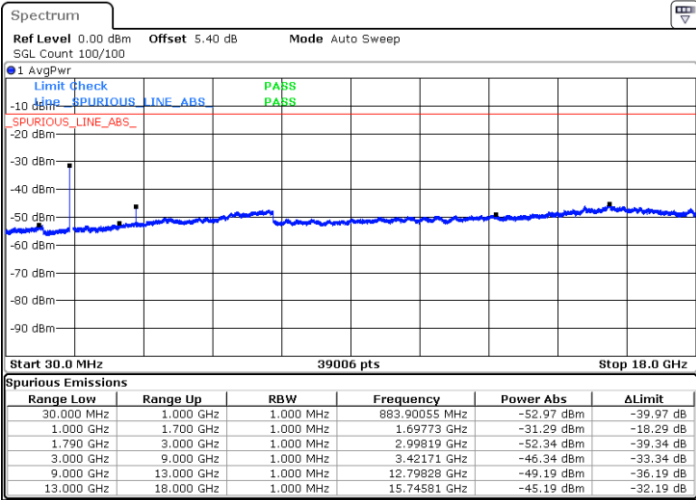
Date: 2, JAN, 2021 01:46:22



LTE Band 66 / 15MHz

Lowest Channel / QPSK

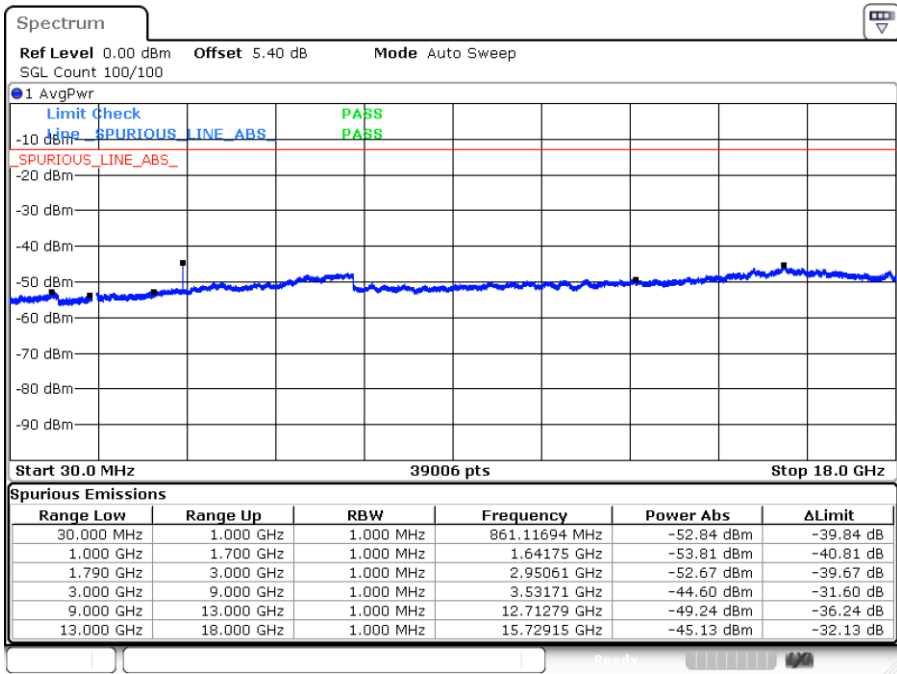
Middle Channel / QPSK



Date: 2, JAN, 2021 01:47:07

Date: 2, JAN, 2021 01:47:51

Highest Channel / QPSK



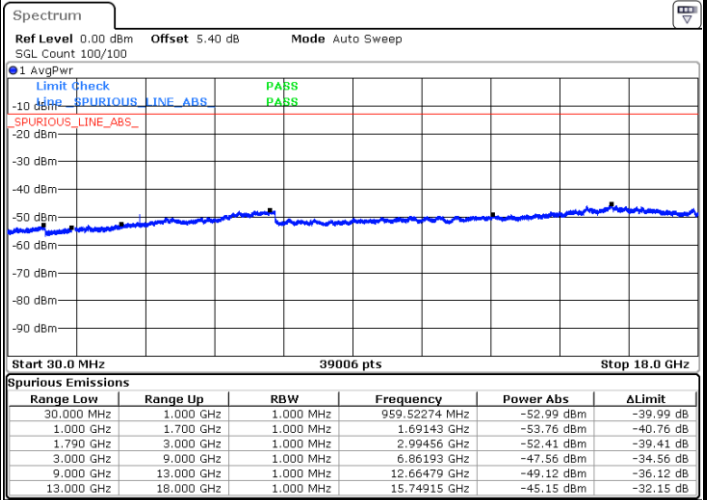
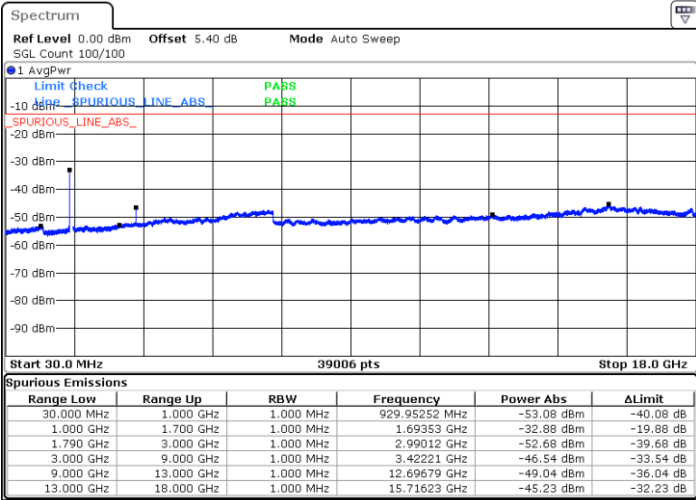
Date: 2, JAN, 2021 01:48:38



LTE Band 66 / 20MHz

Lowest Channel / QPSK

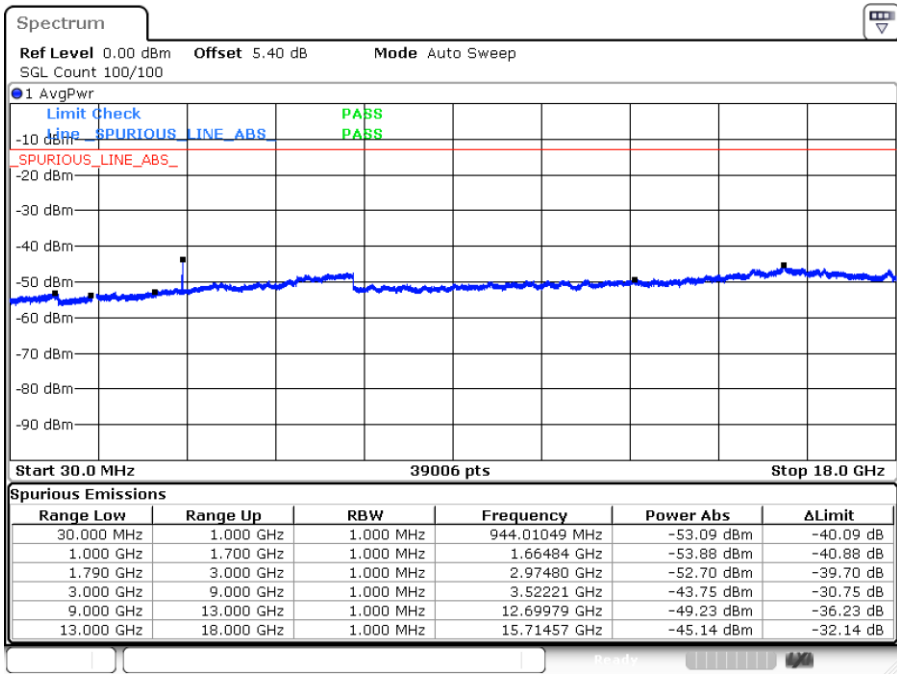
Middle Channel / QPSK



Date: 2, JAN, 2021 01:49:24

Date: 2, JAN, 2021 01:50:08

Highest Channel / QPSK



Date: 2, JAN, 2021 01:50:52



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Pre-scanned harmonic for RSE testing, we choice worse case of antenna combination to full test.

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	3741	-57.15	-13	-44.15	-69.41	2.64	14.90	H
	5613	-53.28	-13	-40.28	-65.14	2.94	14.80	H
	7488	-52.08	-13	-39.08	-61.85	3.39	13.16	H
	3741	-56.96	-13	-43.96	-69.22	2.64	14.90	V
	5613	-55.69	-13	-42.69	-67.55	2.94	14.80	V
	7488	-52.25	-13	-39.25	-62.02	3.39	13.16	V

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

LTE Band 5 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-57.48	-13	-44.48	-64.45	1.58	10.70	H
	2496	-57.10	-13	-44.10	-65.35	2.102	12.50	H
	3330	-57.05	-13	-44.05	-65.94	2.856	13.90	H
	1664	-48.44	-13	-35.44	-55.41	1.58	10.70	V
	2496	-55.43	-13	-42.43	-63.68	2.10	12.50	V
	3330	-58.26	-13	-45.26	-67.15	2.86	13.90	V

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



LTE Band 12 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-67.58	-13	-54.58	-74.55	1.58	10.70	H
	2110	-59.69	-13	-46.69	-67.94	2.102	12.50	H
	2812	-59.25	-13	-46.25	-68.14	2.856	13.90	H
	3516	-58.27	-13	-45.27	-66.73	2.689	13.30	H
	1406	-67.09	-13	-54.09	-74.06	1.58	10.70	V
	2110	-57.32	-13	-44.32	-65.57	2.10	12.50	V
	2812	-59.04	-13	-46.04	-67.93	2.86	13.90	V
	3516	-59.11	-13	-46.11	-67.57	2.69	13.30	V

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

LTE Band 66 / 20MHz / 16QAM								
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	3471	-57.73	-13	-44.73	-68.47	2.604	13.34	H
	5208	-54.48	-13	-41.48	-64.99	3.011	13.52	H
	6948	-53.27	-13	-40.27	-63.47	3.271	13.47	H
	3471	-58.21	-13	-45.21	-68.95	2.604	13.34	V
	5208	-53.07	-13	-40.07	-63.58	3.011	13.52	V
	6948	-53.34	-13	-40.34	-63.54	3.271	13.47	V

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