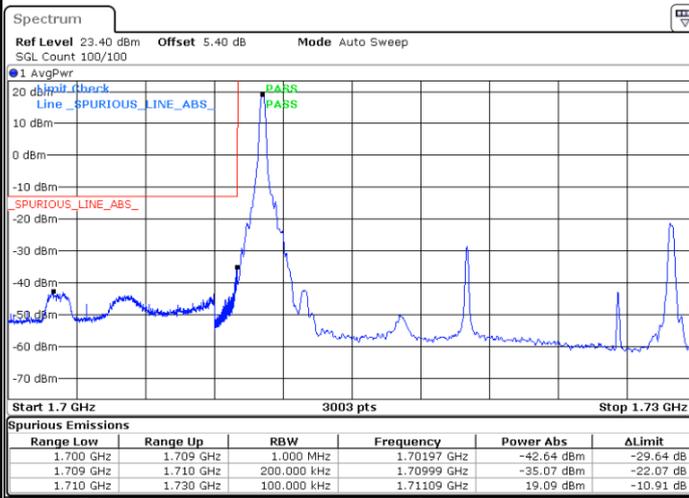




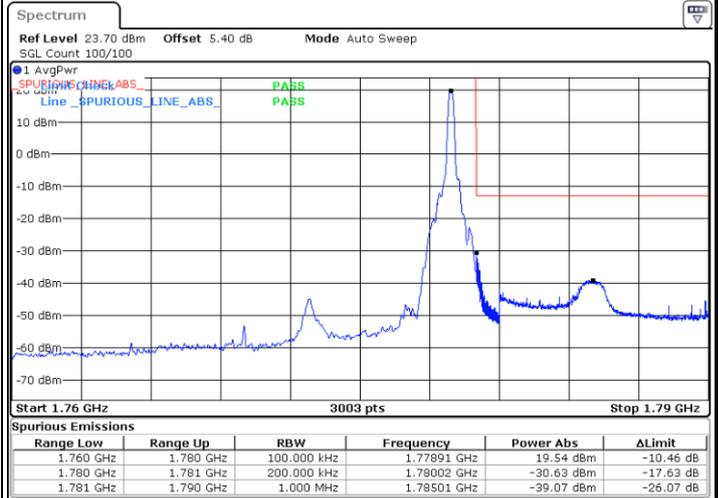
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



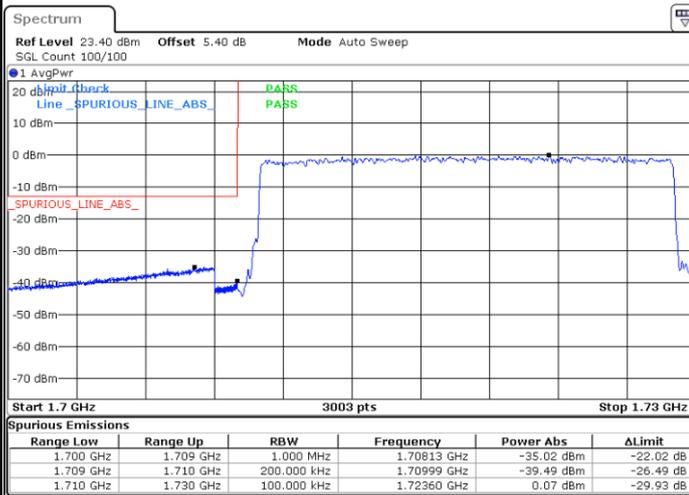
Date: 1.JAN.2021 12:24:11

Highest Band Edge / 1 RB



Date: 1.JAN.2021 12:25:19

Lowest Band Edge / Full RB



Date: 1.JAN.2021 12:23:58

Highest Band Edge / Full RB



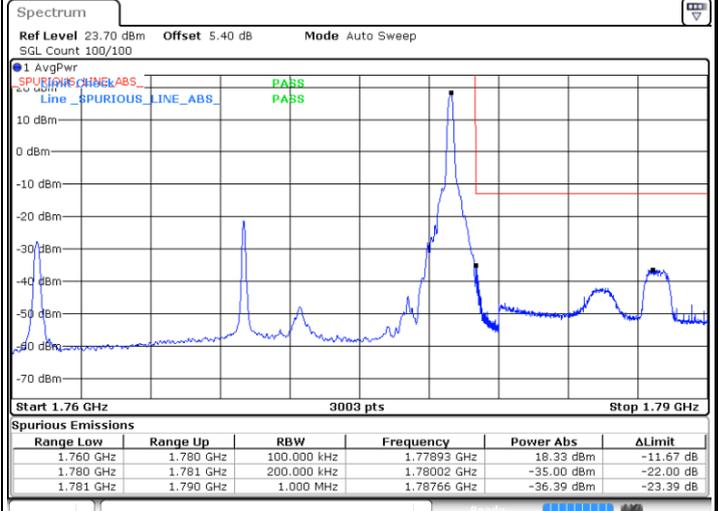
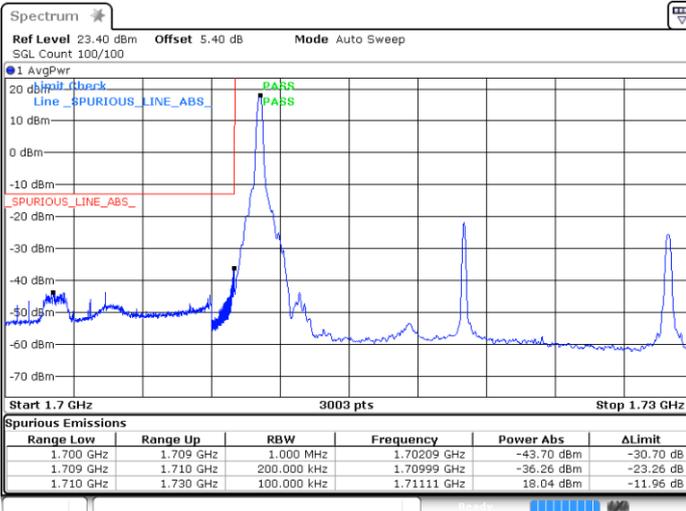
Date: 1.JAN.2021 12:25:41



LTE Band 66 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

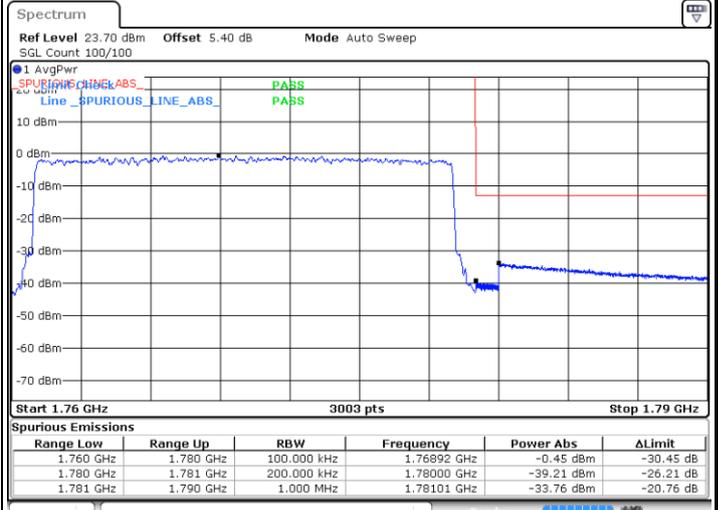
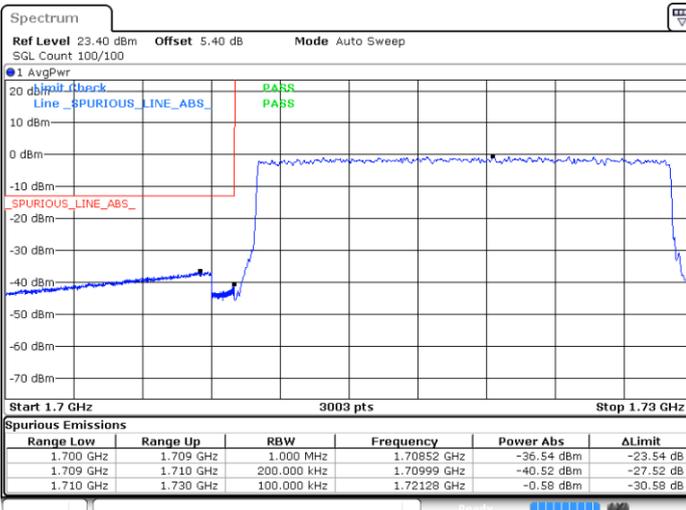


Date: 11.JAN.2021 20:26:12

Date: 11.JAN.2021 20:27:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.JAN.2021 20:26:41

Date: 11.JAN.2021 20:27:18

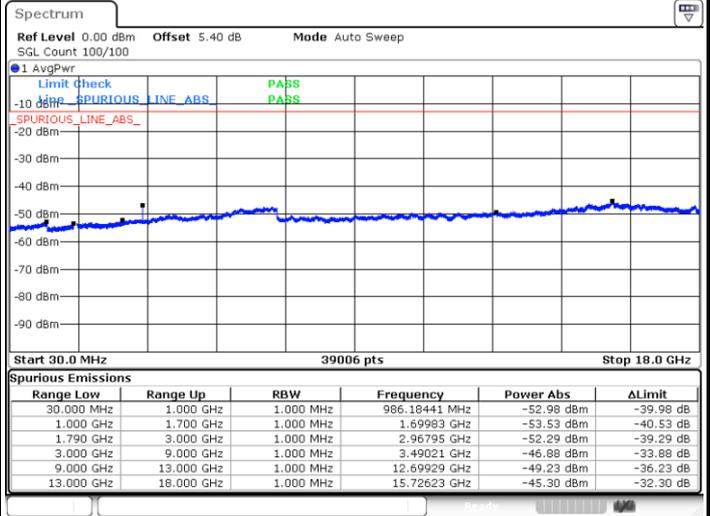
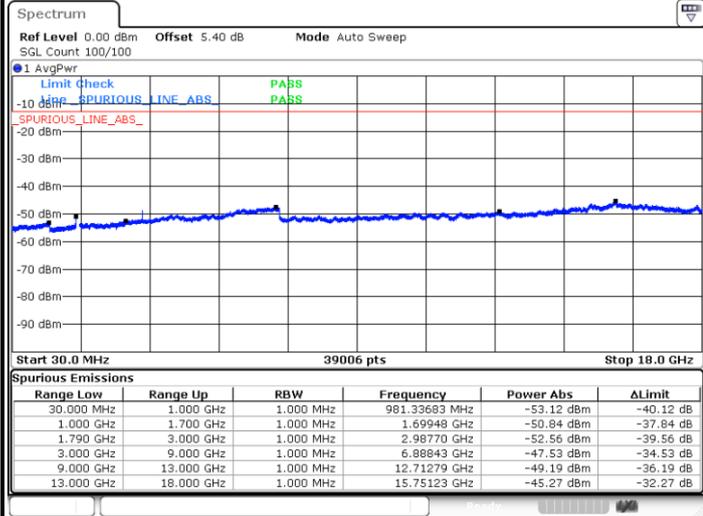


Conducted Spurious Emission

LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

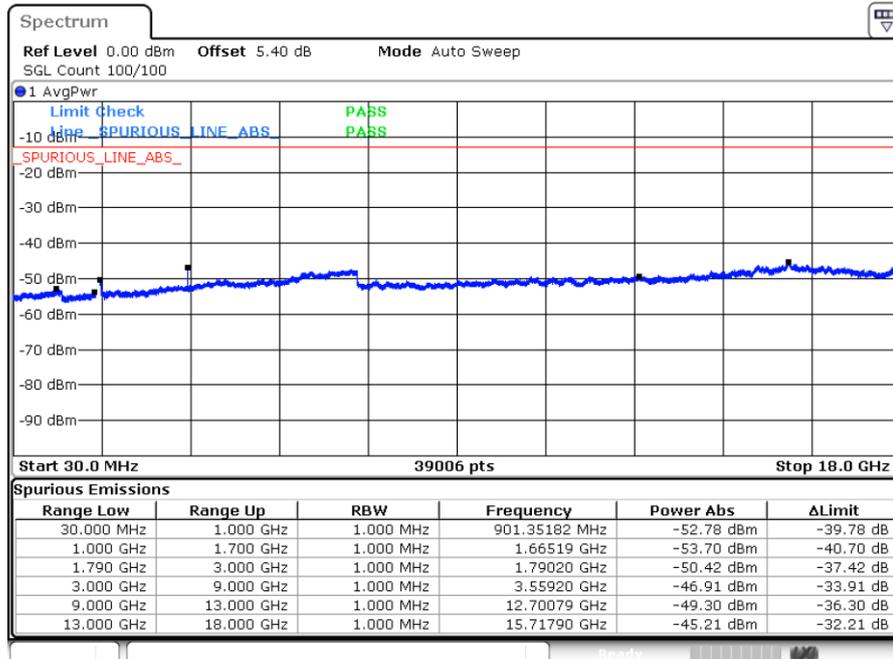
Middle Channel / QPSK



Date: 1.JAN.2021 12:40:05

Date: 1.JAN.2021 12:39:23

Highest Channel / QPSK

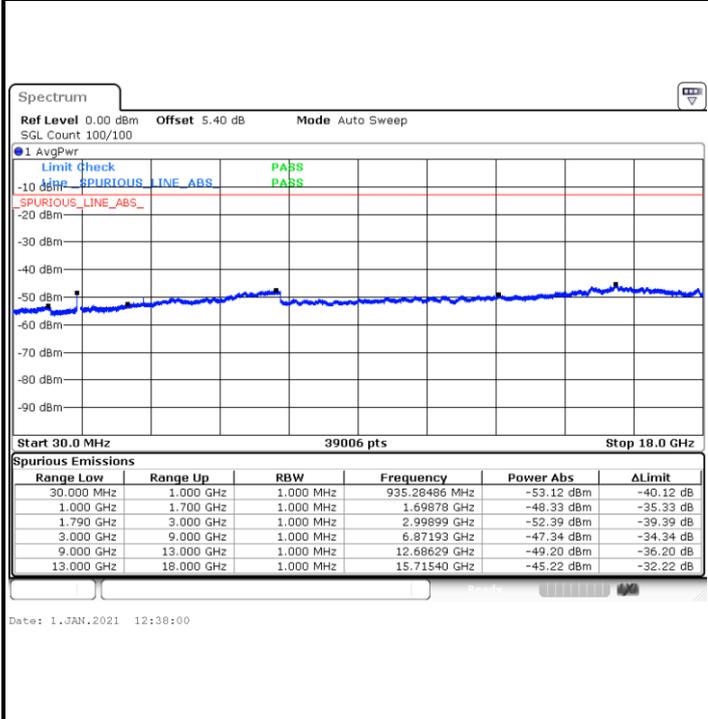


Date: 1.JAN.2021 12:40:47



LTE Band 66 / 3MHz

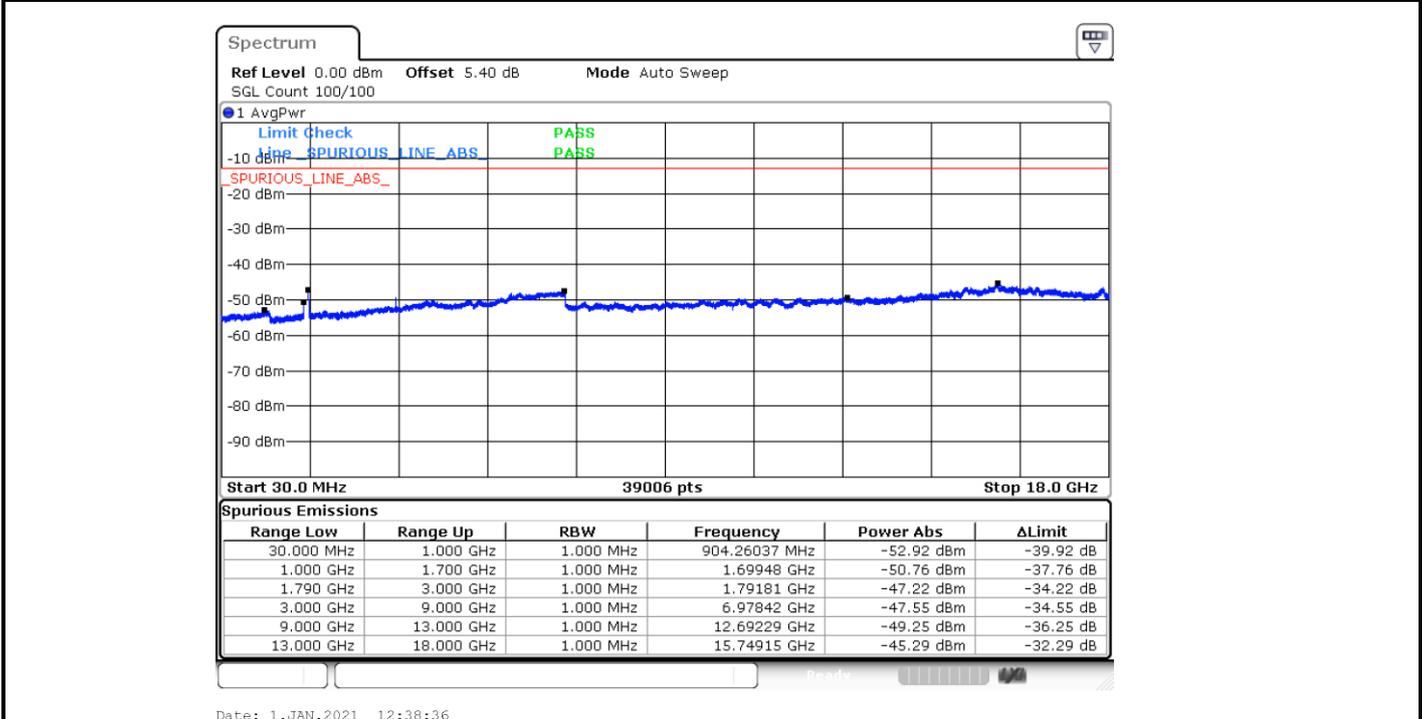
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

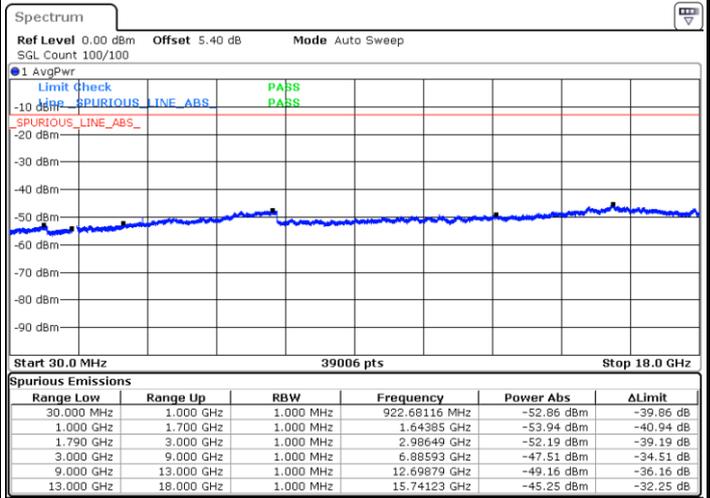
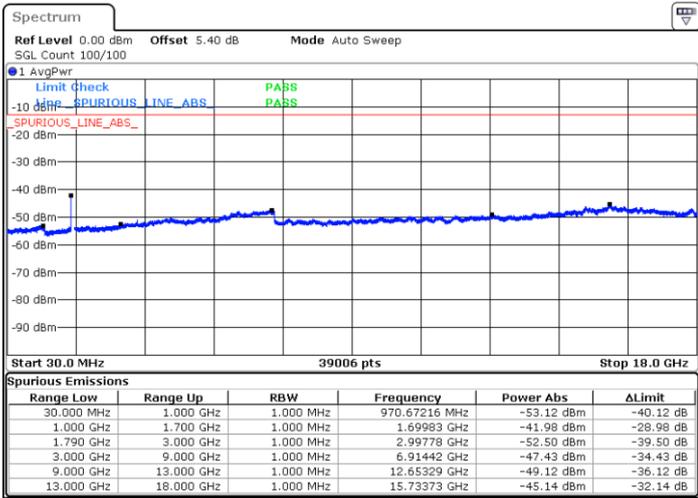




LTE Band 66 / 5MHz

Lowest Channel / QPSK

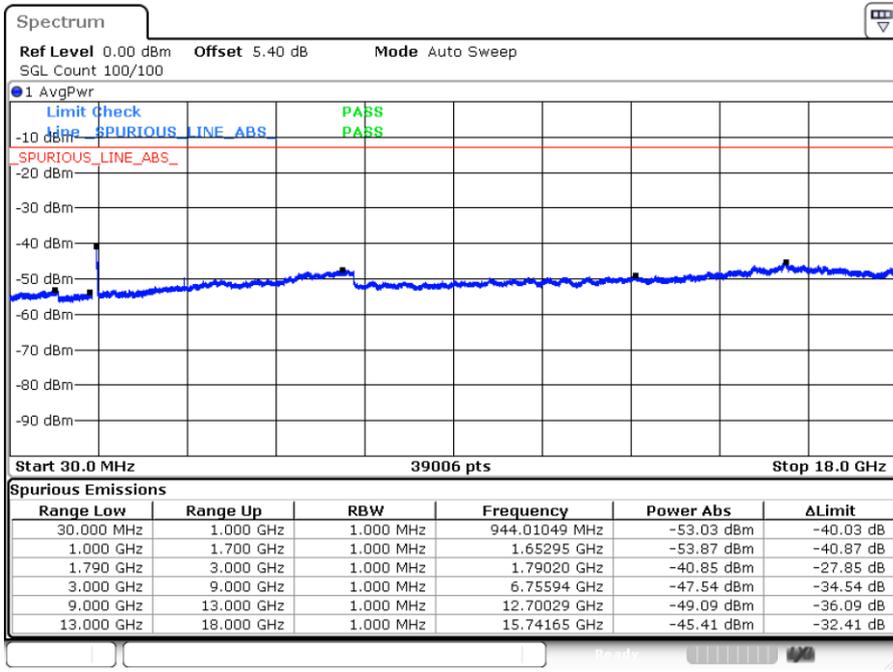
Middle Channel / QPSK



Date: 1.JAN.2021 12:34:56

Date: 1.JAN.2021 12:34:04

Highest Channel / QPSK

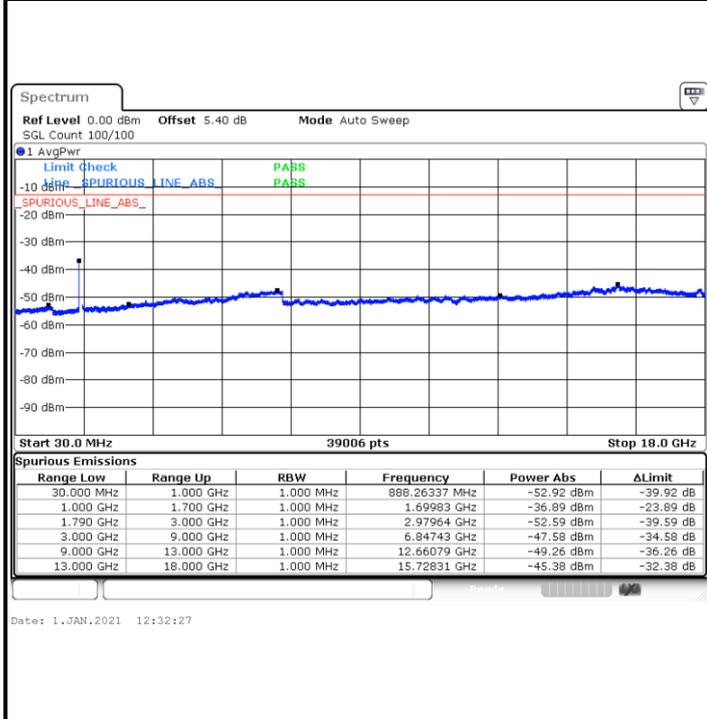


Date: 1.JAN.2021 12:36:08

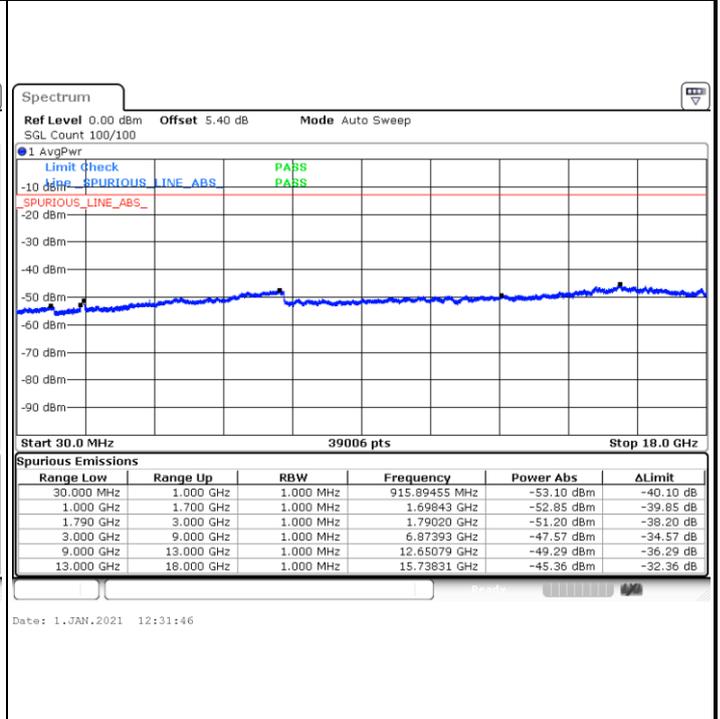


LTE Band 66 / 10MHz

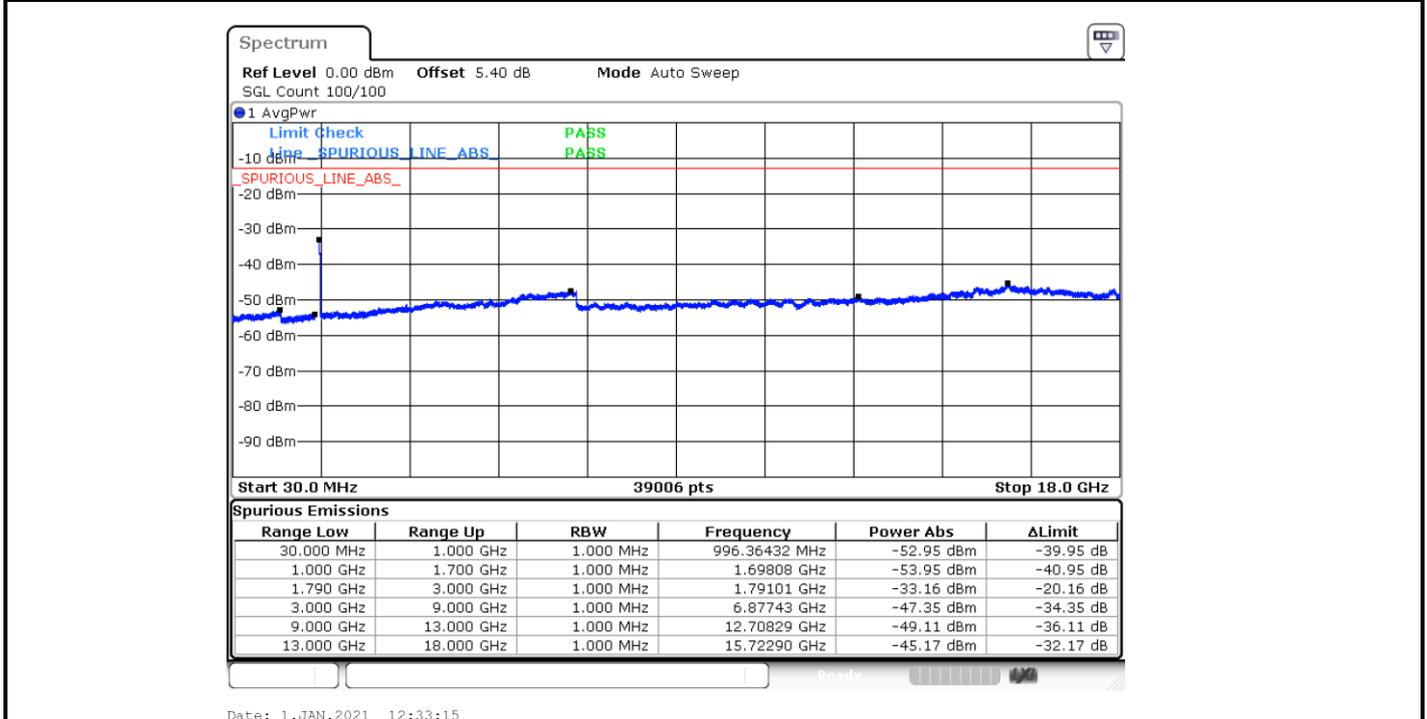
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

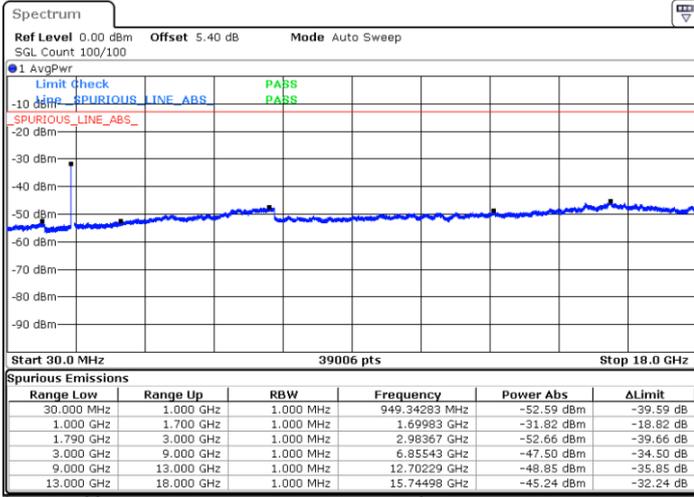




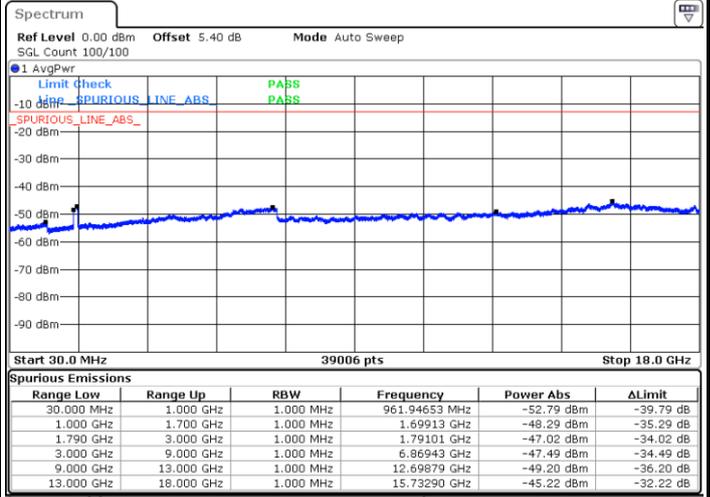
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

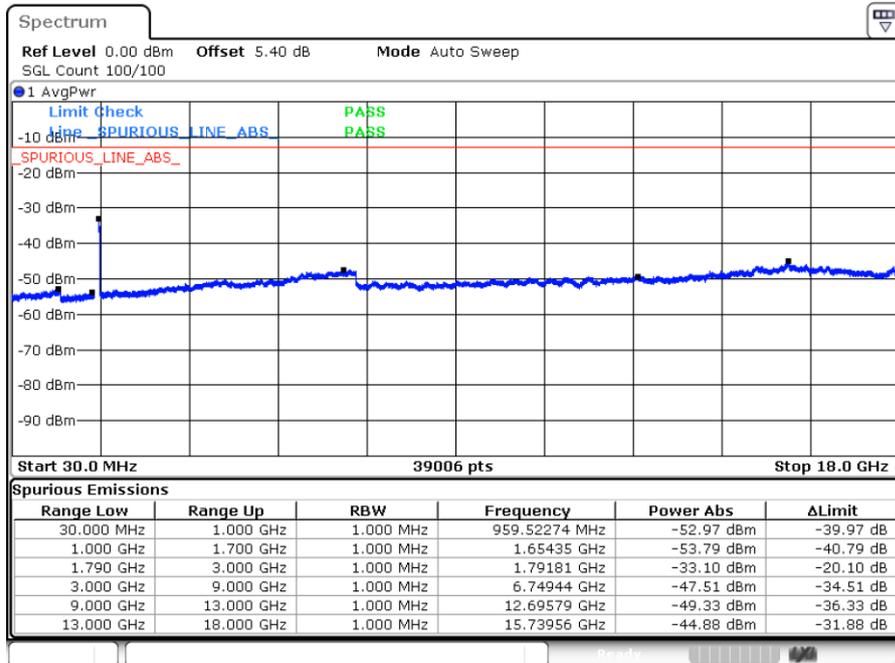


Date: 1. JAN. 2021 12:30:19



Date: 1. JAN. 2021 12:29:39

Highest Channel / QPSK



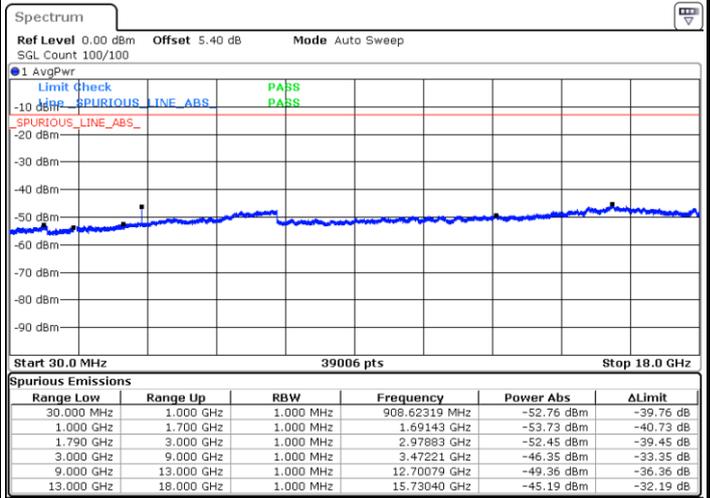
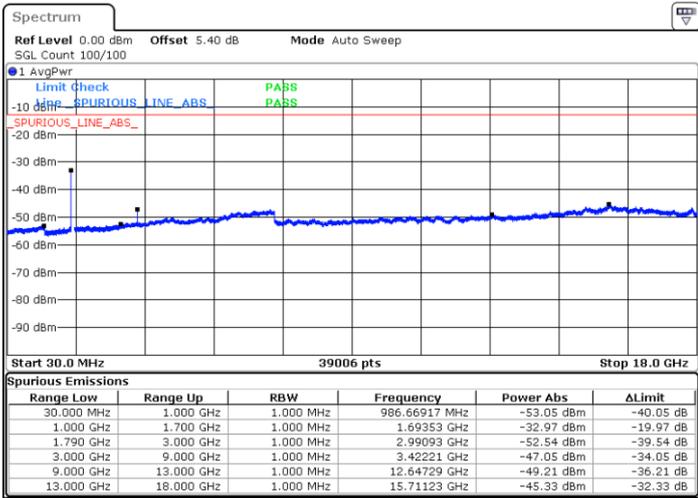
Date: 1. JAN. 2021 12:31:01



LTE Band 66 / 20MHz

Lowest Channel / QPSK

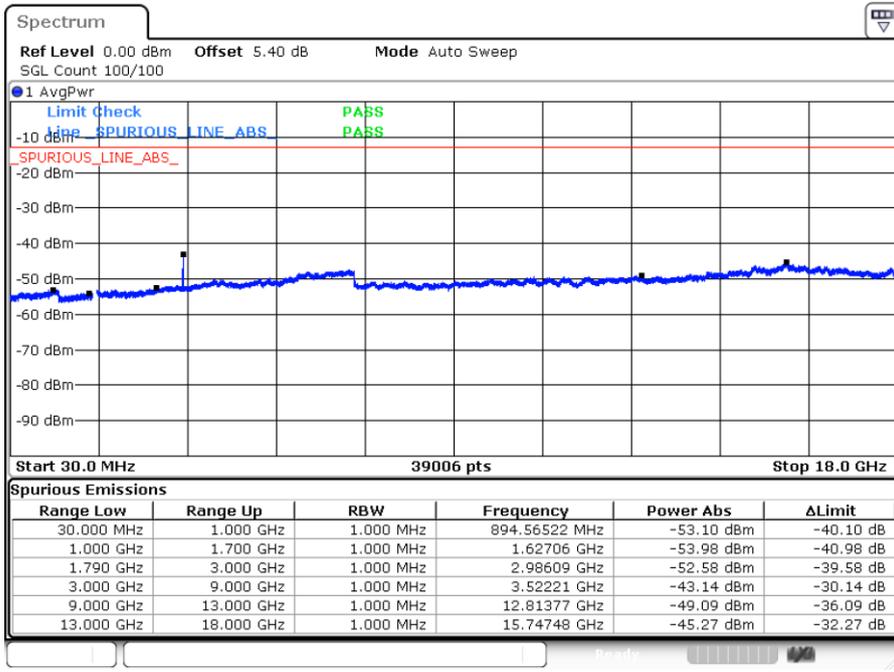
Middle Channel / QPSK



Date: 1.JAN.2021 12:28:53

Date: 1.JAN.2021 12:28:11

Highest Channel / QPSK



Date: 1.JAN.2021 12:27:03



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	0.0012	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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	3742	-54.76	-13	-41.76	-60.71	2.39	8.34	H
	5616	-49.80	-13	-36.80	-56.23	2.97	9.40	H
	7484.36	-50.23	-13	-37.23	-58.17	3.40	11.34	H
	9351	-47.81	-13	-34.81	-56.16	3.89	12.24	H
	3742	-54.40	-13	-41.40	-60.35	2.39	8.34	V
	5613.27	-50.35	-13	-37.35	-56.78	2.97	9.40	V
	7482	-49.90	-13	-36.90	-57.84	3.40	11.34	V
	9355.45	-46.88	-13	-33.88	-55.23	3.89	12.24	V

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

LTE Band 5 / 10MHz / 16QAM								
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	-55.92	-13	-42.92	-57.37	1.58	5.18	H
	2496	-46.72	-13	-33.72	-49.74	1.94	7.11	H
	3330	-57.66	-13	-44.66	-61.34	2.26	8.09	H
	1664	-54.66	-13	-41.66	-56.11	1.58	5.18	V
	2496	-51.90	-13	-38.90	-54.92	1.94	7.11	V
	3330	-57.17	-13	-44.17	-60.85	2.26	8.09	V

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



LTE Band 12 / 10MHz / 256QAM								
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	-67.35	-13	-54.35	-67.97	1.45	4.22	H
	2110	-62.07	-13	-49.07	-63.83	1.78	5.69	H
	2812	-59.49	-13	-46.49	-62.80	2.08	7.54	H
	1406	-66.72	-13	-53.72	-67.34	1.45	4.22	V
	2110	-61.24	-13	-48.24	-63.00	1.78	5.69	V
	2812	-59.25	-13	-46.25	-62.56	2.08	7.54	V

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

LTE Band 66 / 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	3474	-56.56	-13	-43.56	-62.46	2.29	8.19	H
	5208.27	-53.34	-13	-40.34	-59.91	2.84	9.41	H
	6944.36	-51.28	-13	-38.28	-58.39	3.3	10.41	H
	8680.45	-48.35	-13	-35.35	-57.52	3.7	12.87	H
	3474	-55.69	-13	-42.69	-61.59	2.29	8.19	V
	5208.27	-54.11	-13	-41.11	-60.68	2.84	9.41	V
	6944.36	-51.13	-13	-38.13	-58.24	3.3	10.41	V
	8680.45	-47.38	-13	-34.38	-56.55	3.7	12.87	V

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