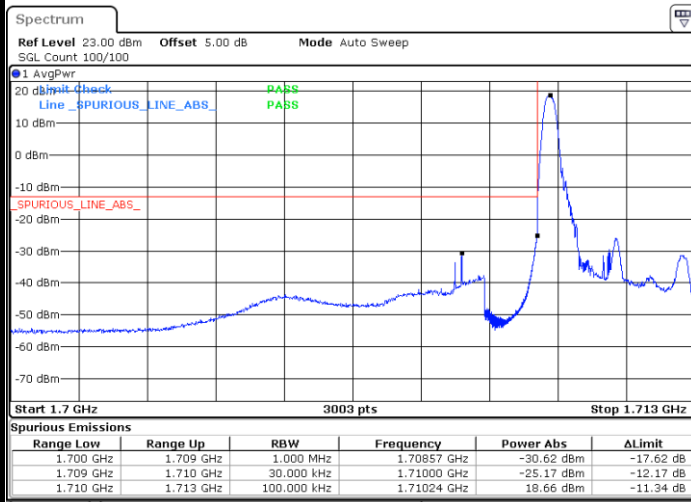


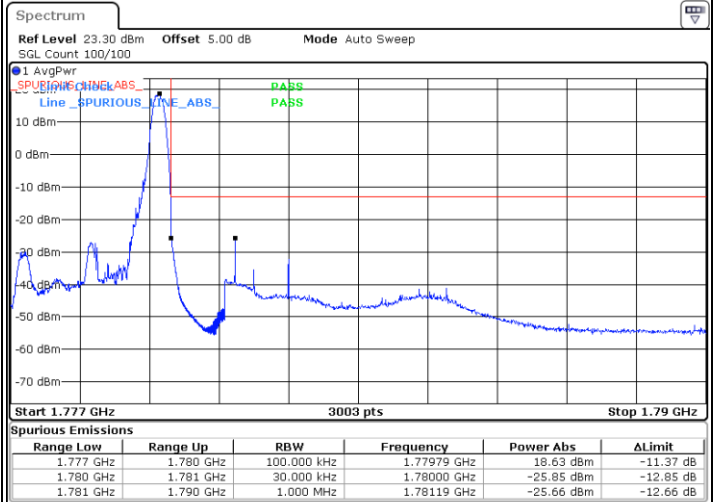


LTE Band 66 / 3MHz / 64QAM

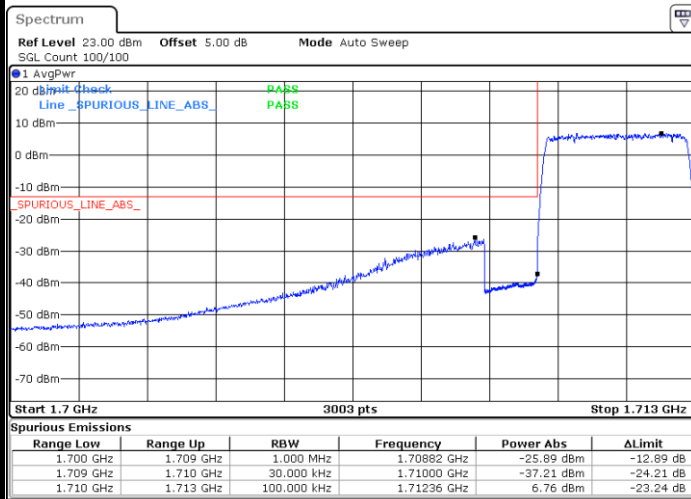
Lowest Band Edge / 1 RB



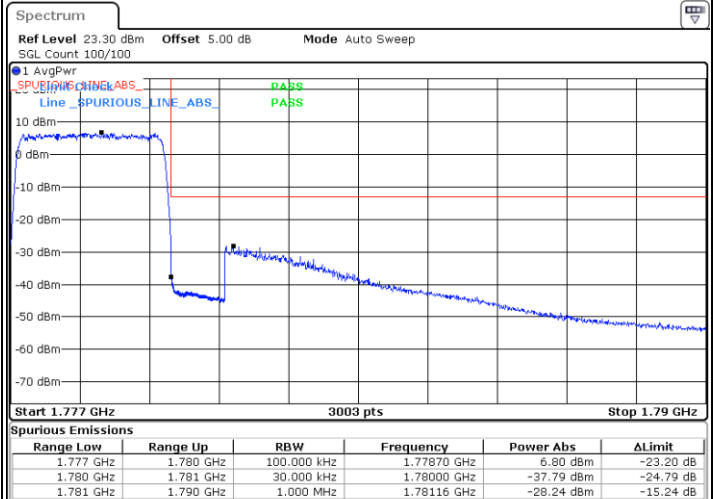
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



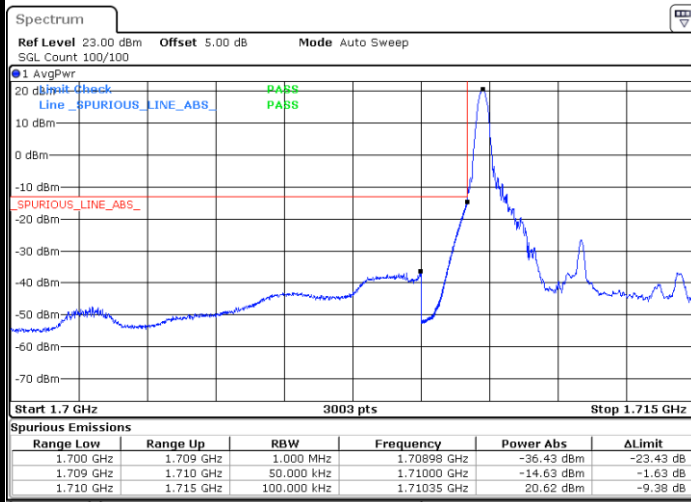
Highest Band Edge / Full RB



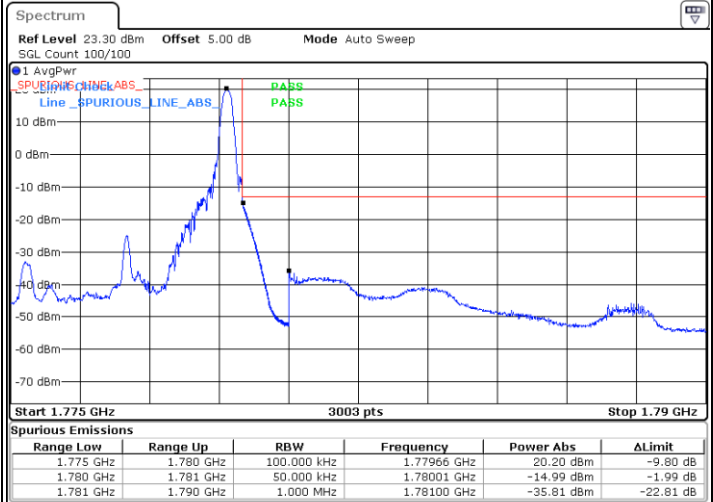


LTE Band 66 / 5MHz / QPSK

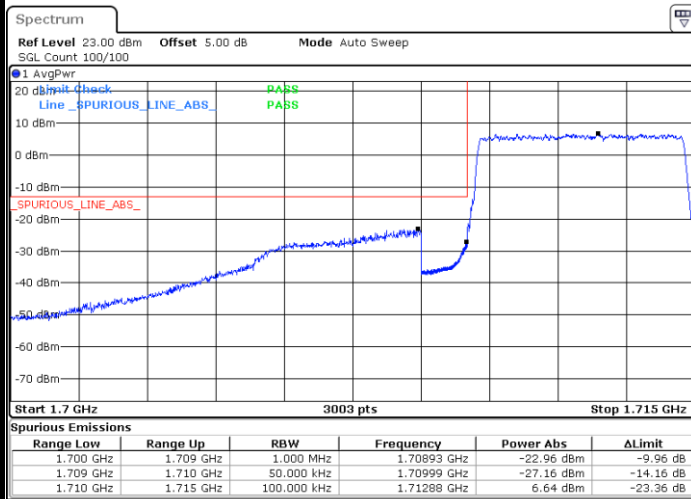
Lowest Band Edge / 1 RB



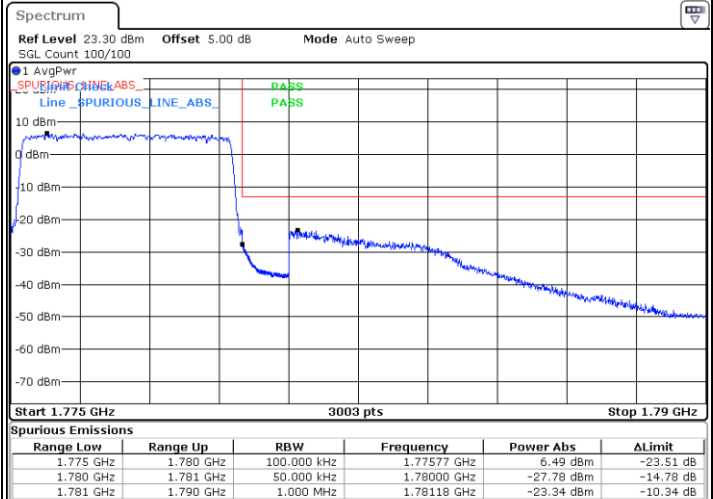
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



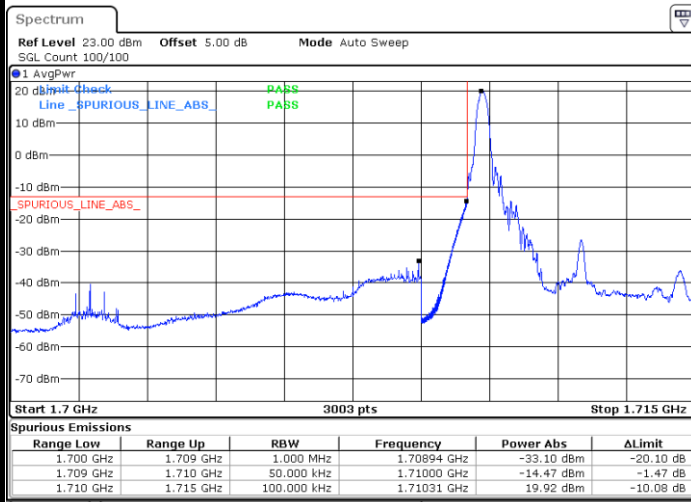
Highest Band Edge / Full RB



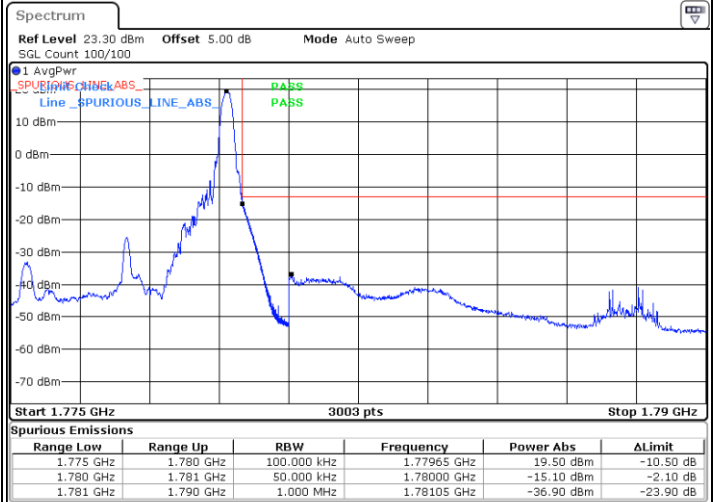


LTE Band 66 / 5MHz / 16QAM

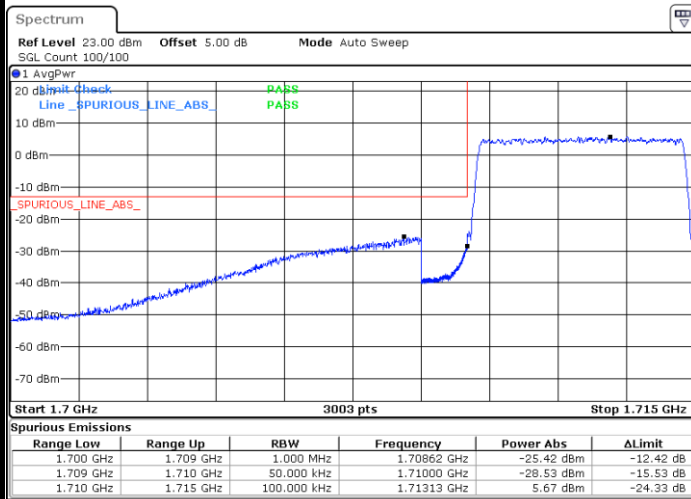
Lowest Band Edge / 1RB



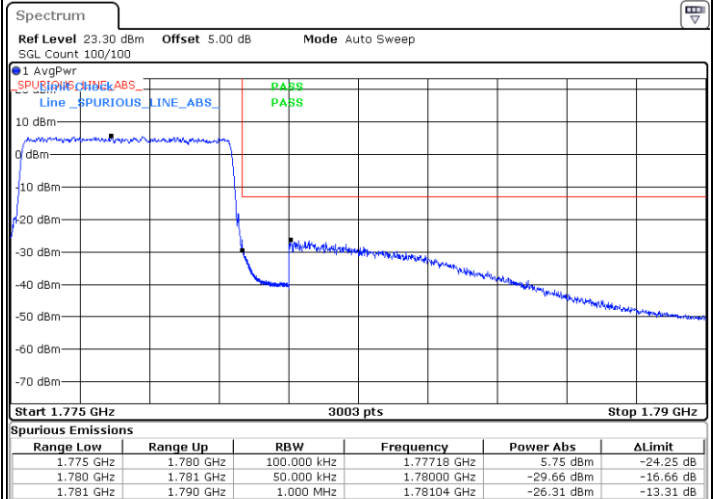
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



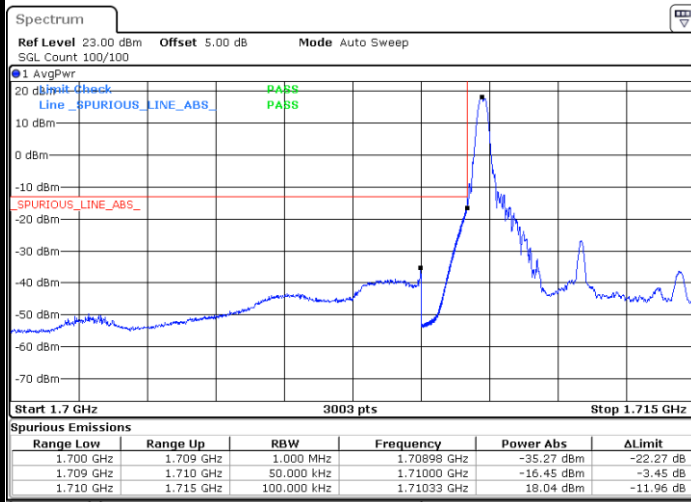
Highest Band Edge / Full RB



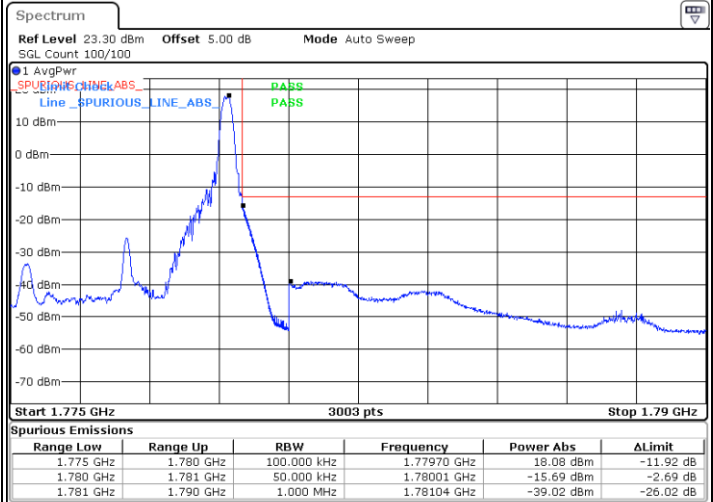


LTE Band 66 / 5MHz / 64QAM

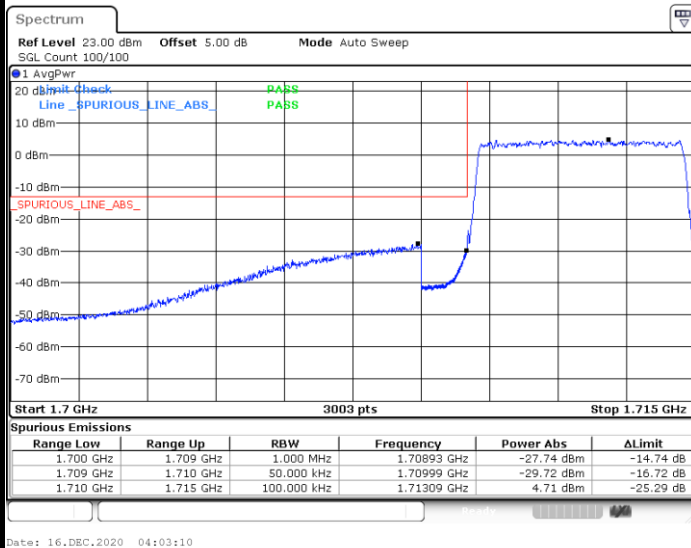
Lowest Band Edge / 1RB



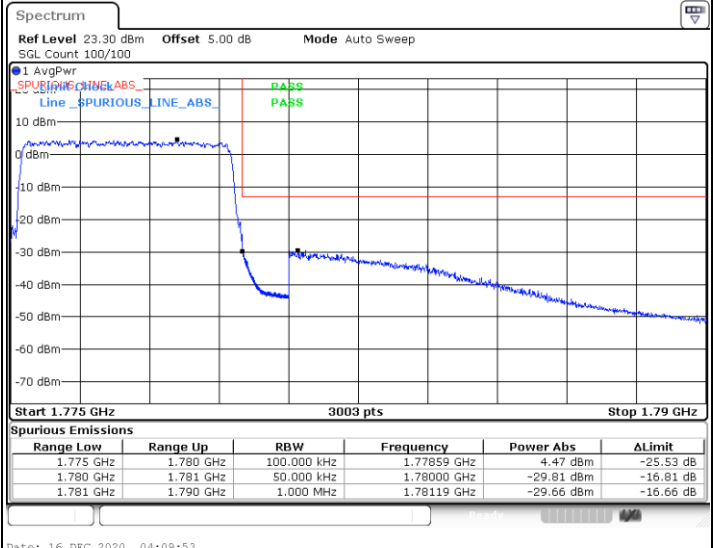
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



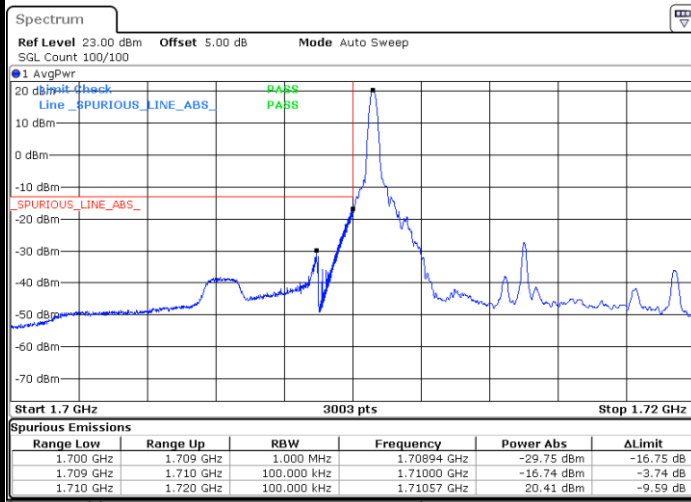
Highest Band Edge / Full RB



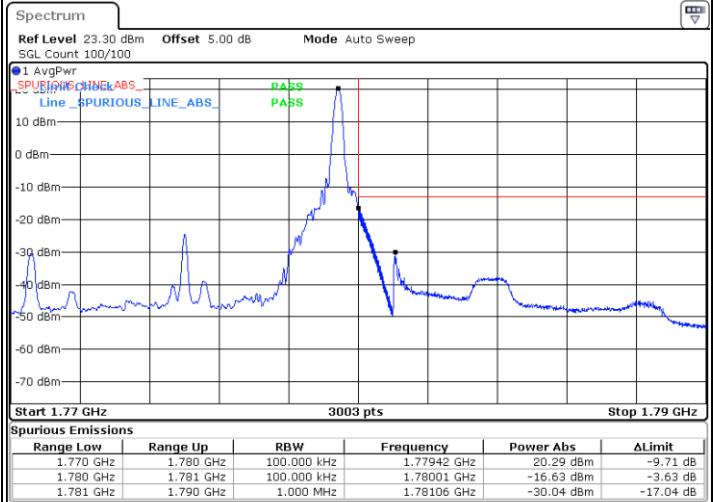


LTE Band 66 / 10MHz / QPSK

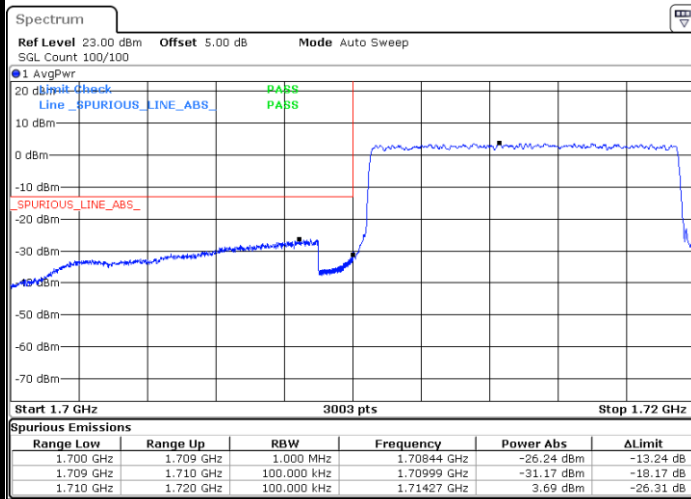
Lowest Band Edge / 1 RB



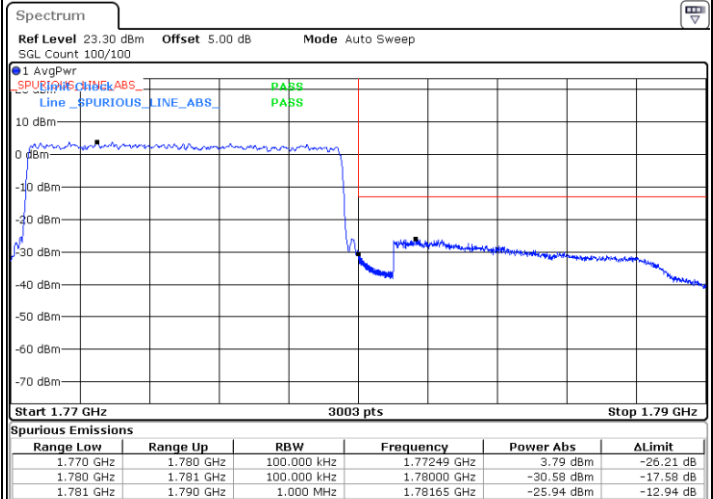
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



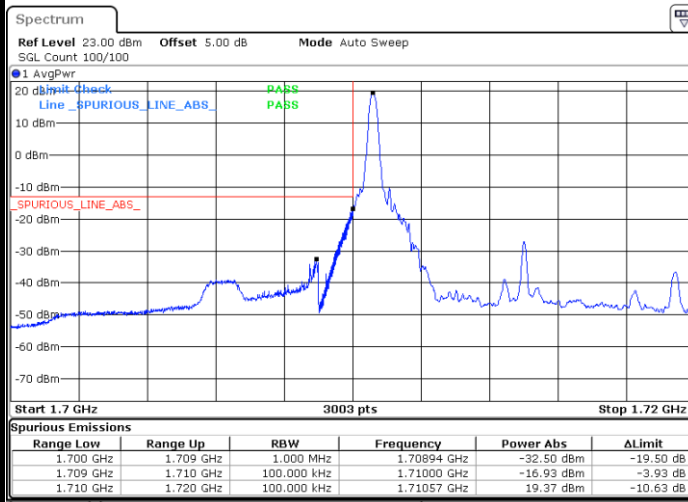
Highest Band Edge / Full RB



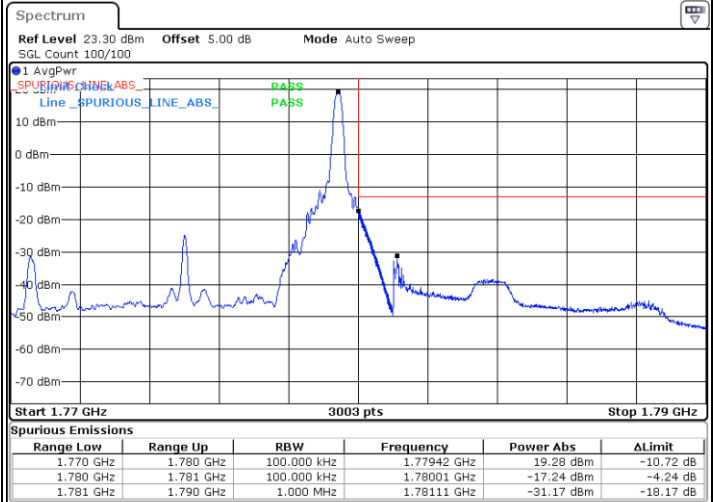


LTE Band 66 / 10MHz / 16QAM

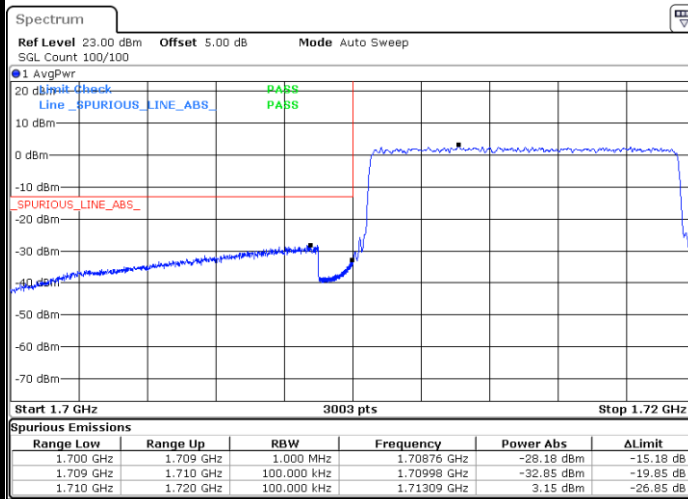
Lowest Band Edge / 1 RB



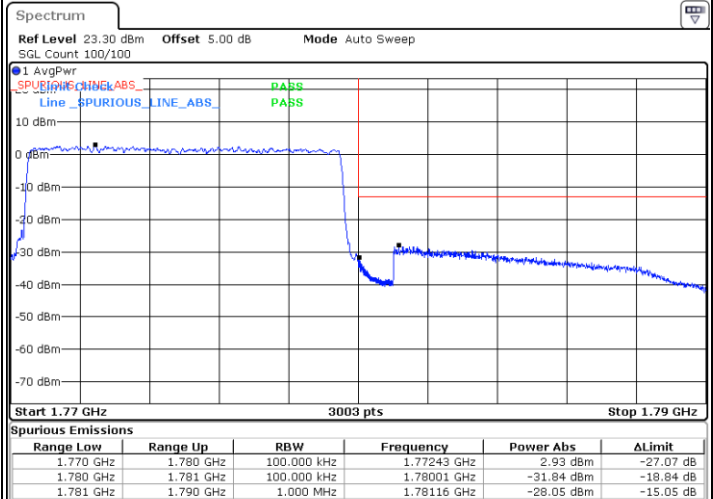
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



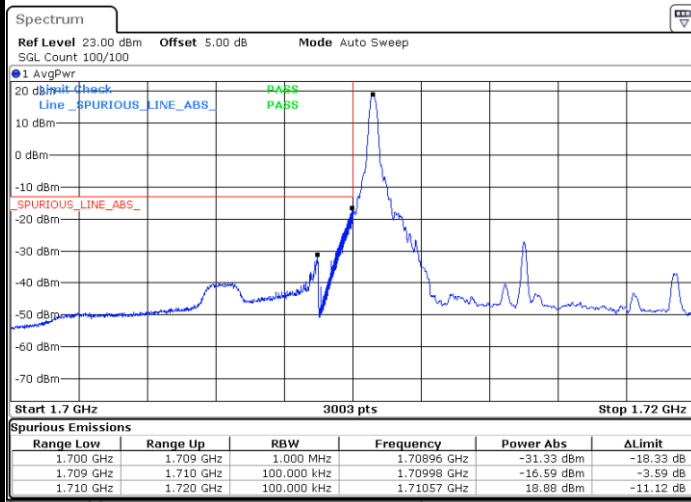
Highest Band Edge / Full RB



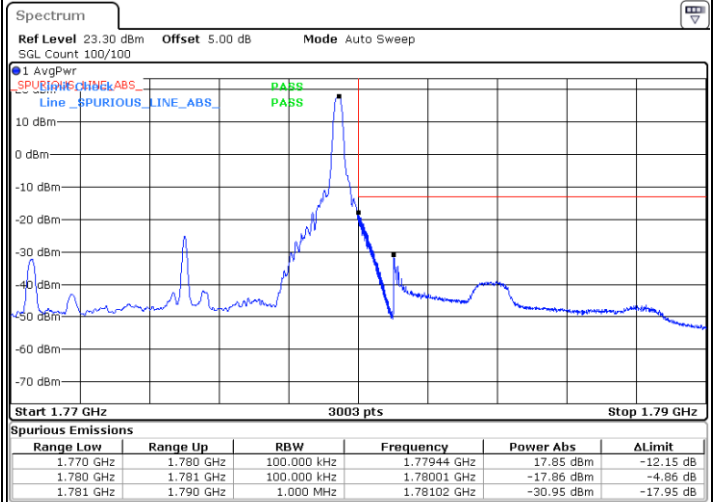


LTE Band 66 / 10MHz / 64QAM

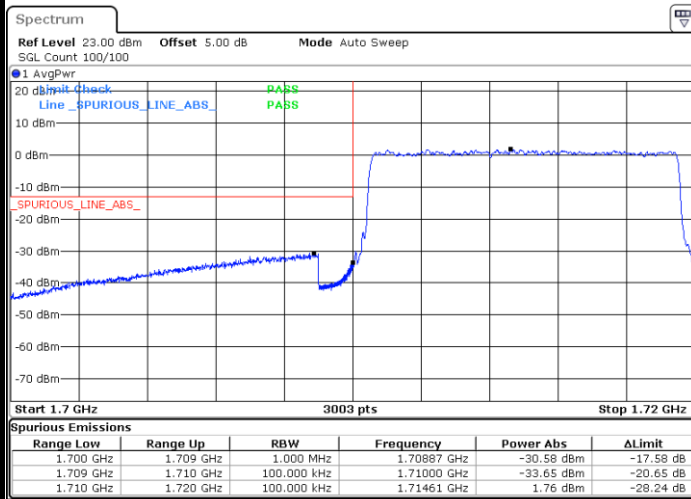
Lowest Band Edge / 1 RB



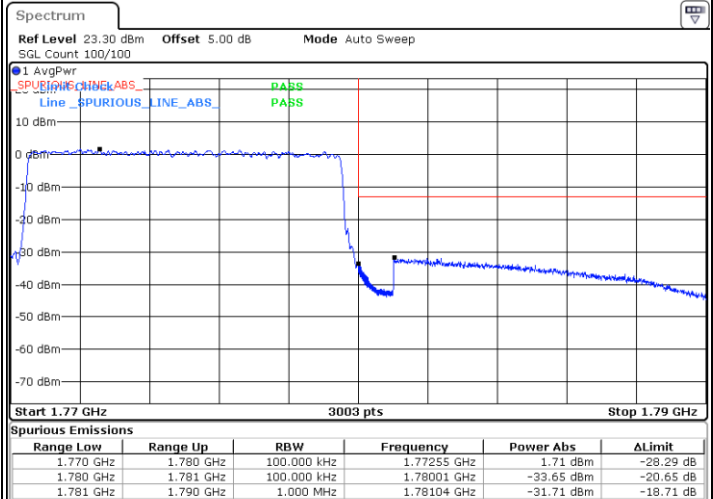
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



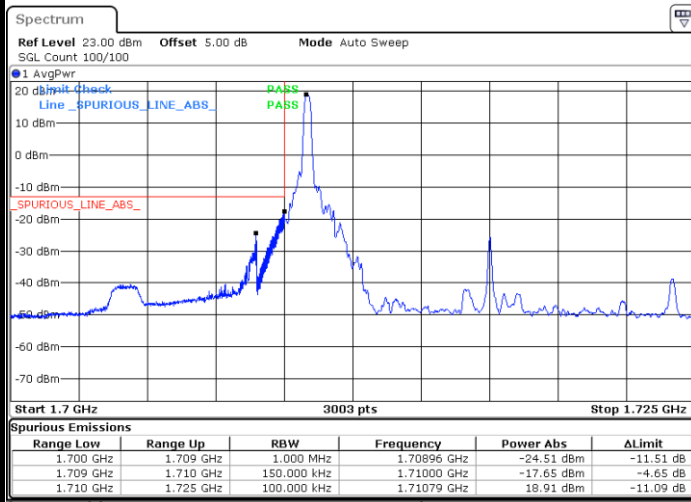
Highest Band Edge / Full RB



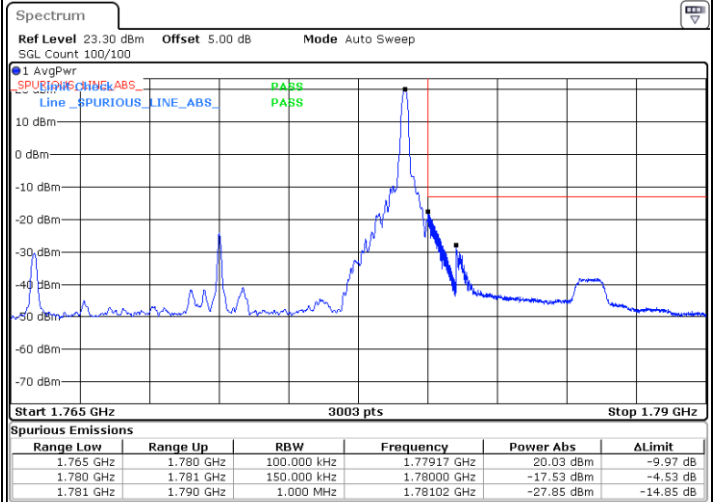


LTE Band 66 / 15MHz / QPSK

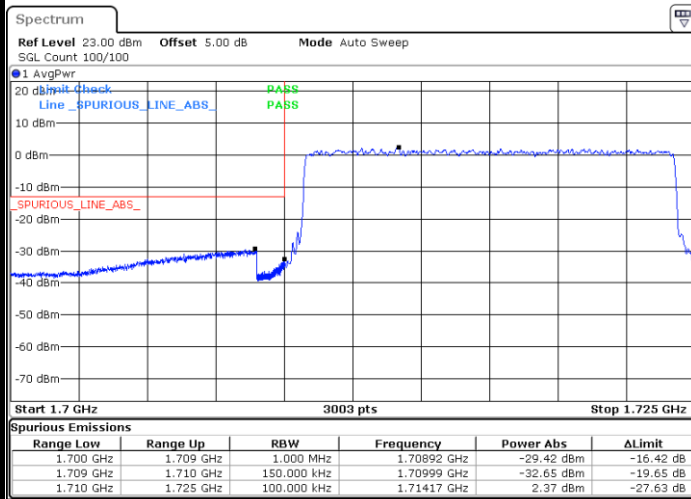
Lowest Band Edge / 1 RB



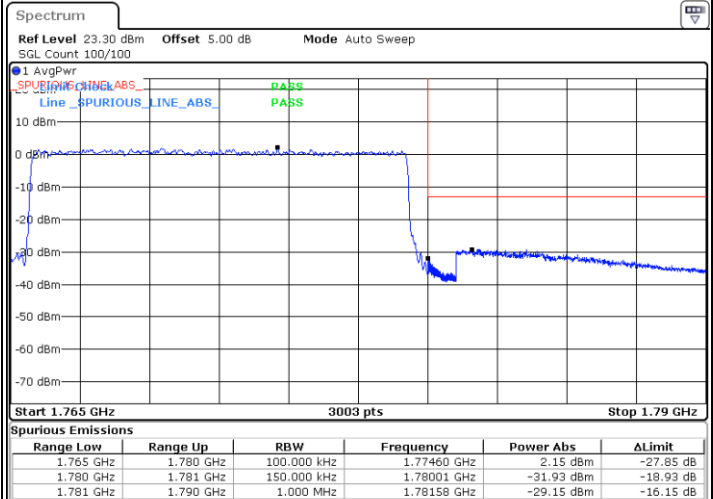
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



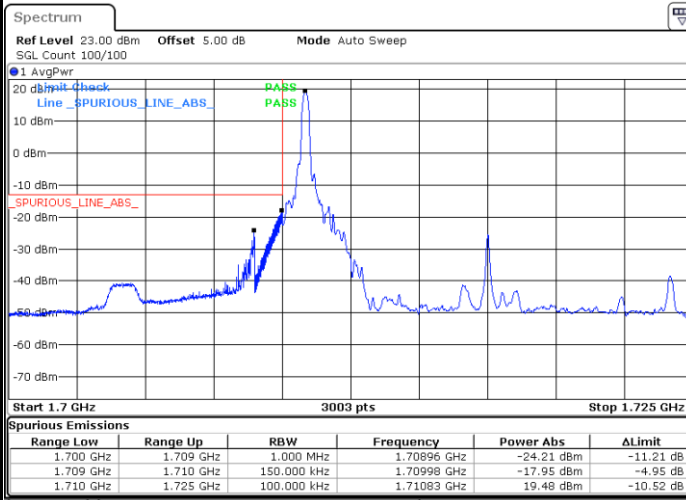
Highest Band Edge / Full RB



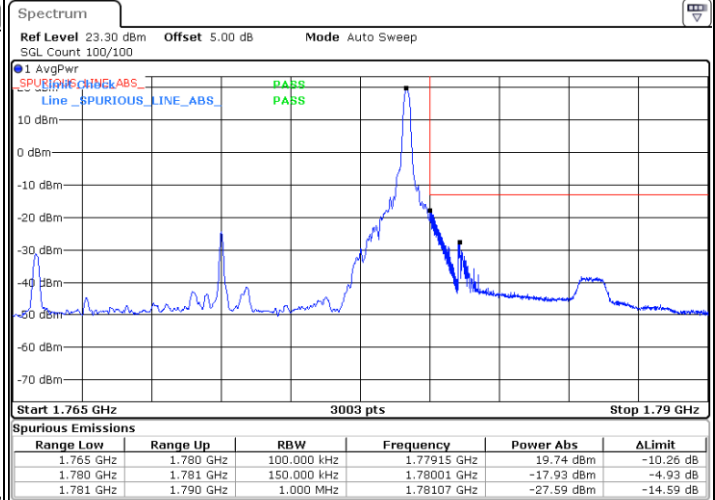


LTE Band 66 / 15MHz / 16QAM

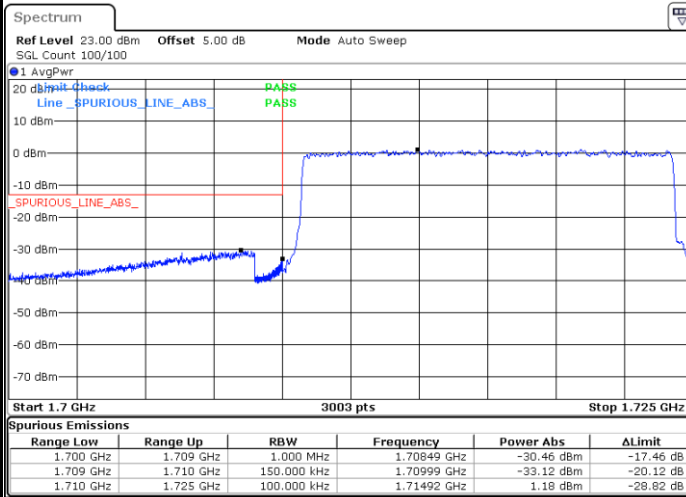
Lowest Band Edge / 1 RB



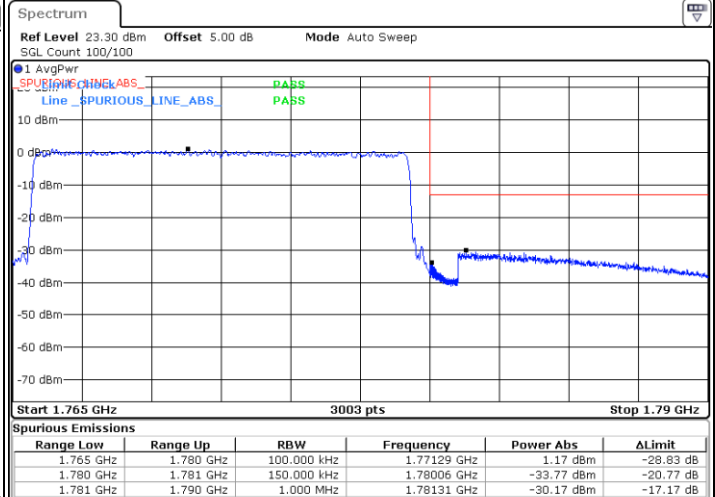
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



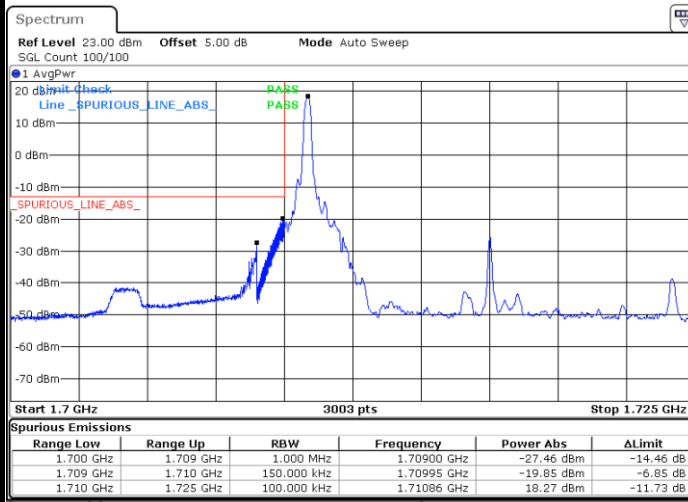
Highest Band Edge / Full RB



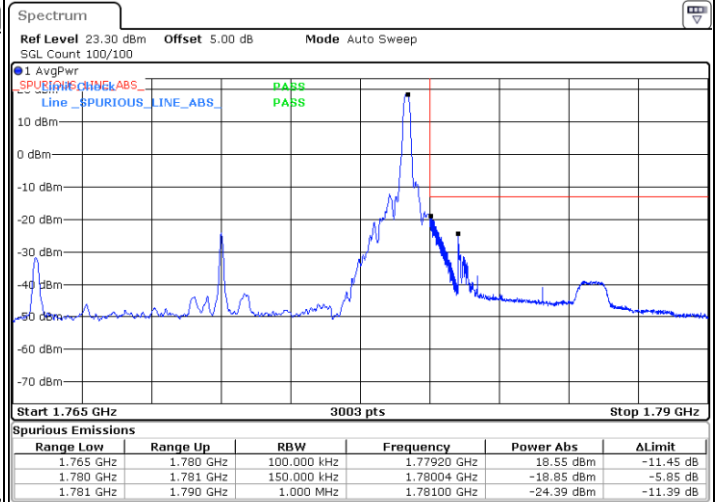


LTE Band 66 / 15MHz / 64QAM

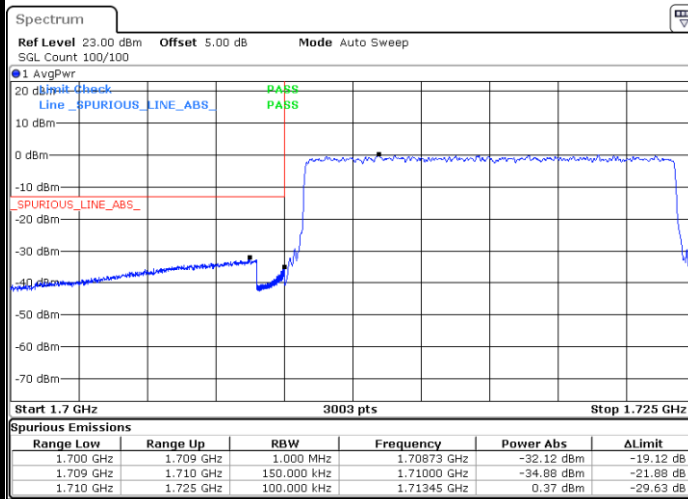
Lowest Band Edge / 1 RB



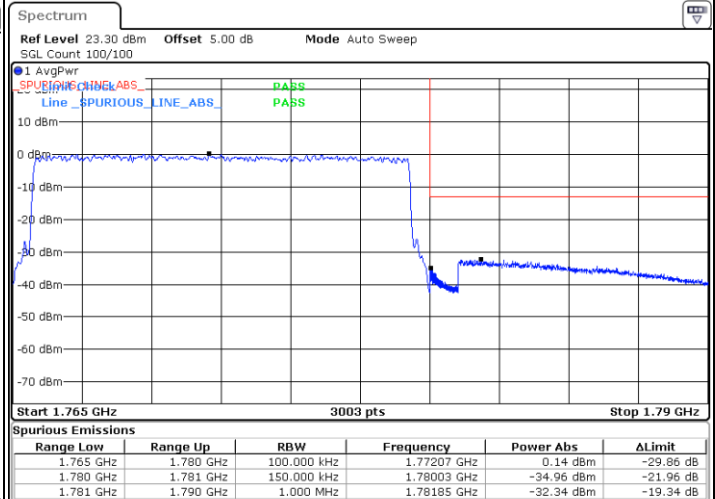
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



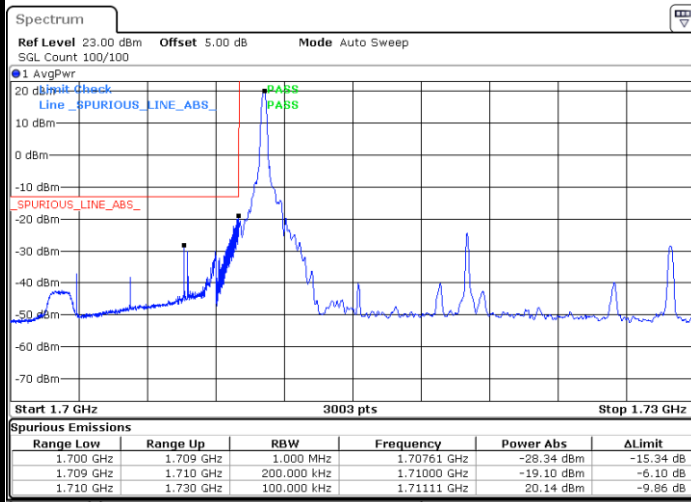
Highest Band Edge / Full RB



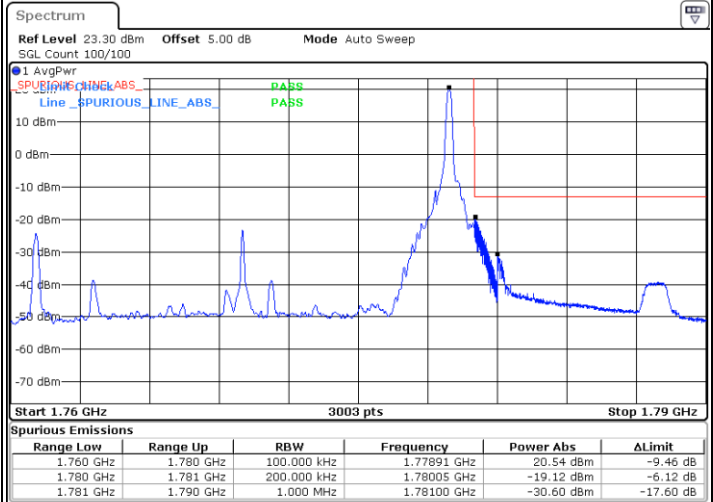


LTE Band 66 / 20MHz / QPSK

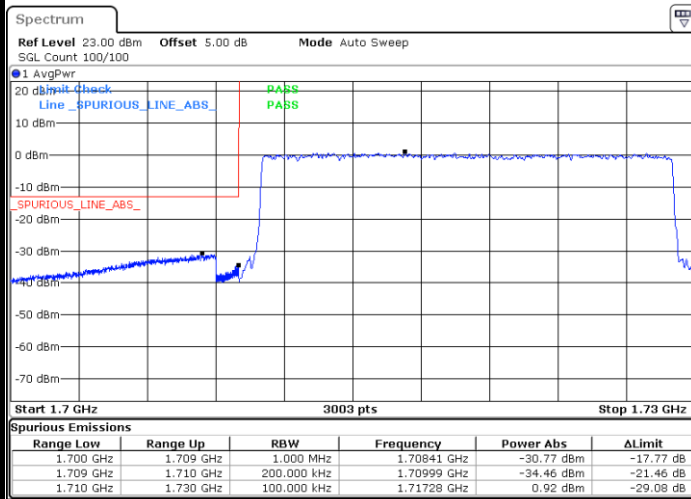
Lowest Band Edge / 1 RB



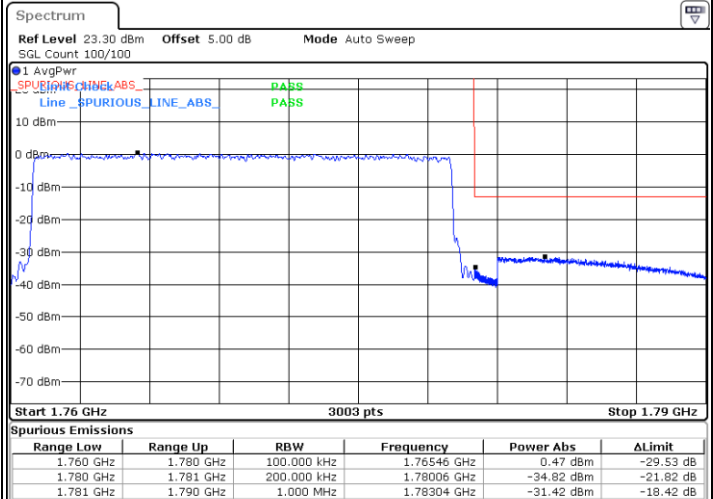
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



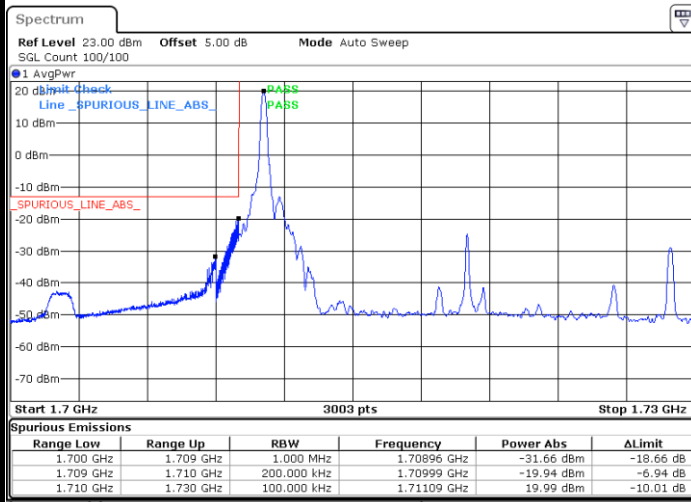
Highest Band Edge / Full RB



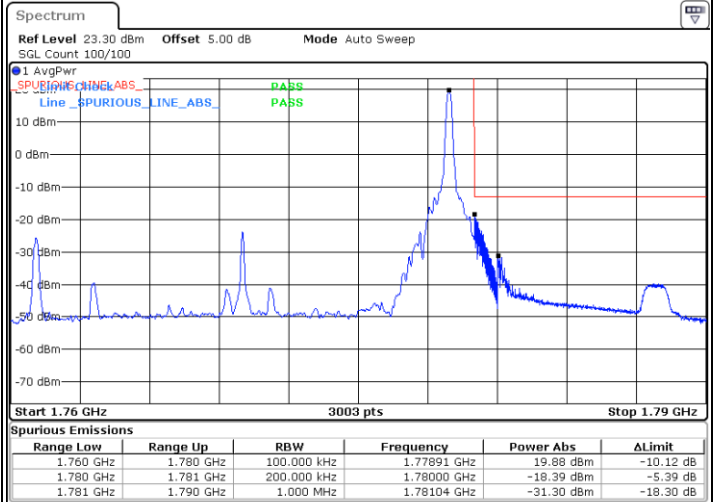


LTE Band 66 / 20MHz / 16QAM

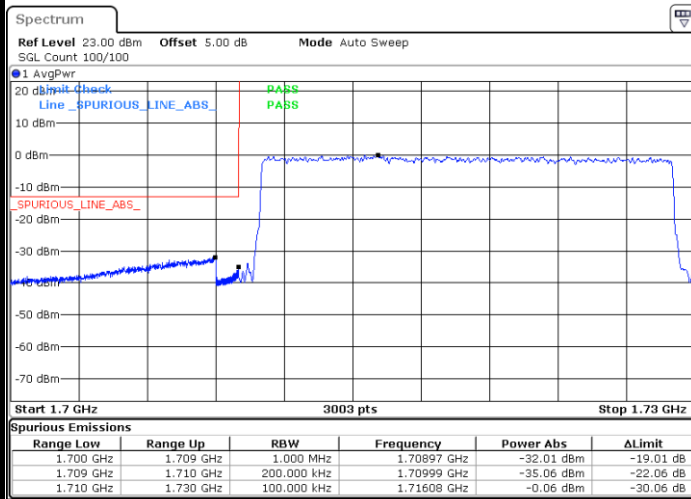
Lowest Band Edge / 1 RB



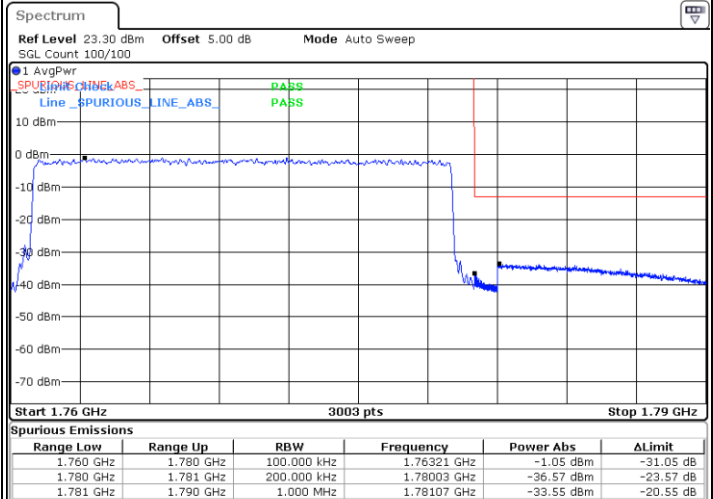
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



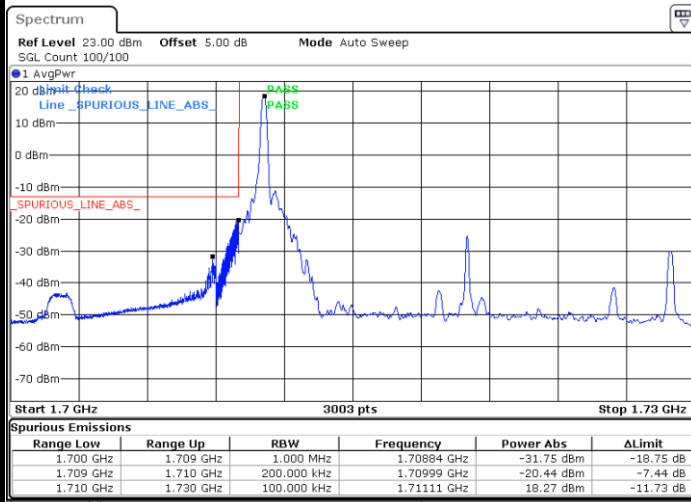
Highest Band Edge / Full RB



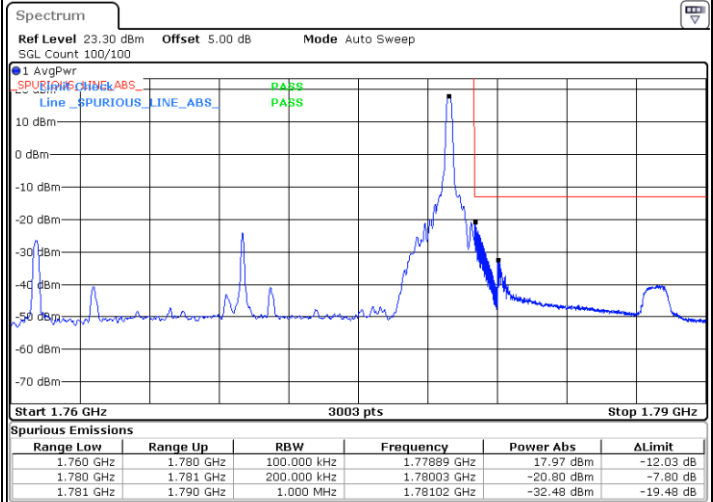


LTE Band 66 / 20MHz / 64QAM

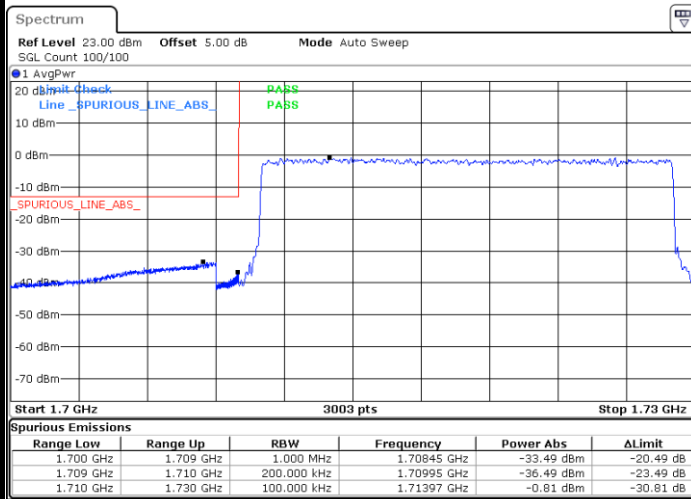
Lowest Band Edge / 1 RB



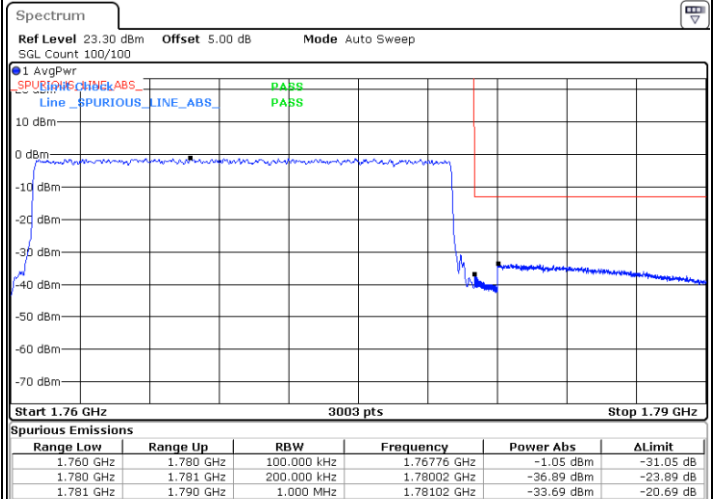
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

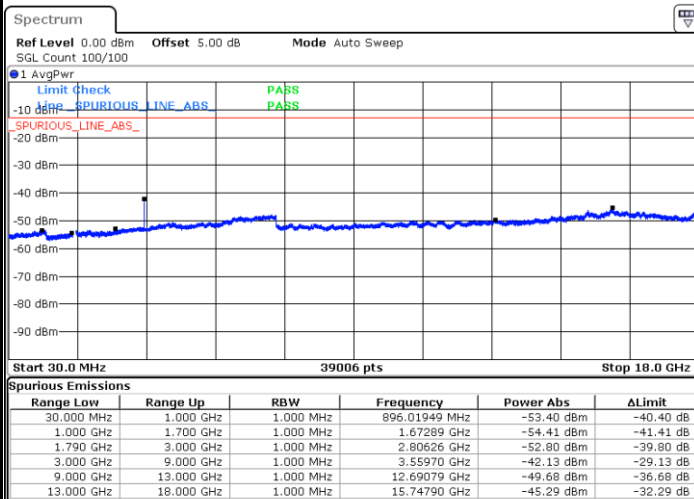




Conducted Spurious Emission

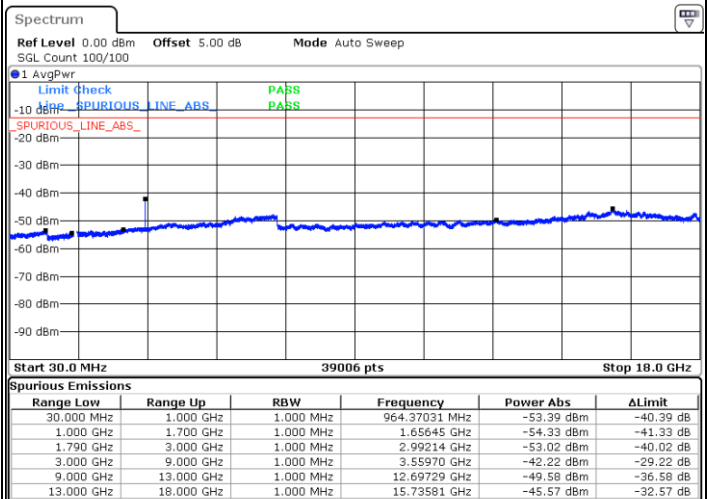
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



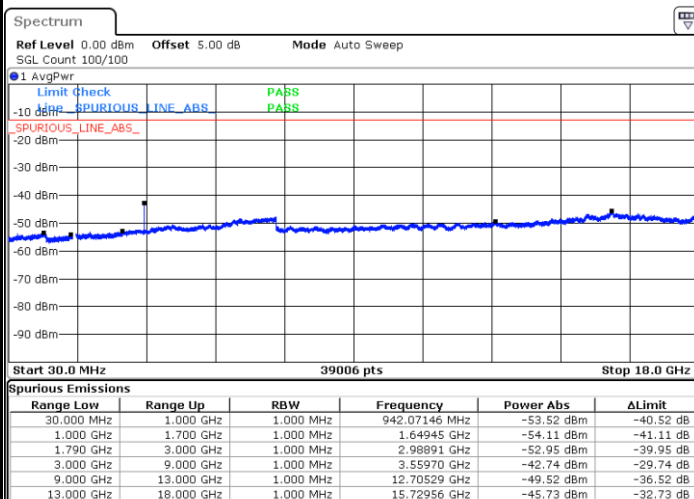
Date: 16.DEC.2020 03:32:11

Middle Channel / QPSK



Date: 16.DEC.2020 03:30:22

Highest Channel / QPSK

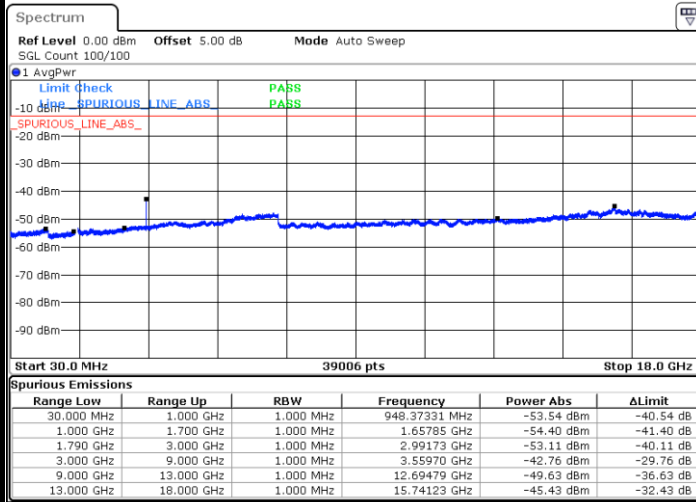


Date: 16.DEC.2020 03:26:33



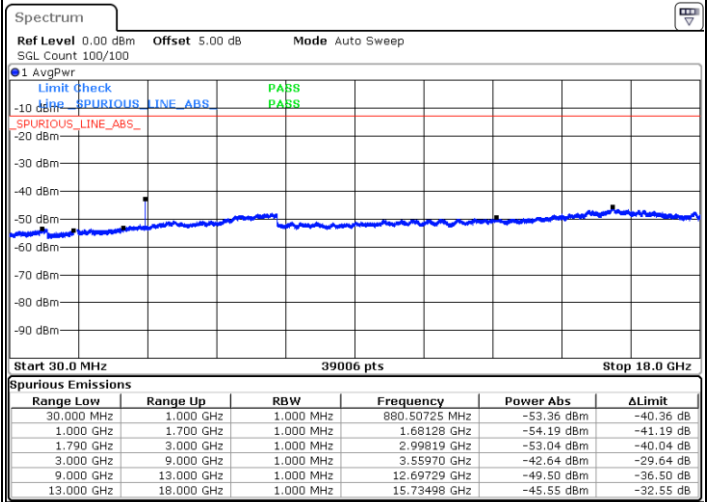
LTE Band 66 / 3MHz

Lowest Channel / QPSK



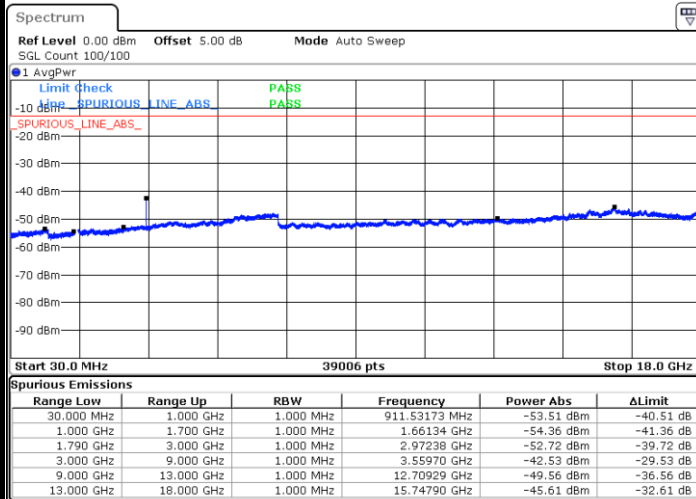
Date: 16.DEC.2020 03:58:57

Middle Channel / QPSK



Date: 16.DEC.2020 03:57:40

Highest Channel / QPSK

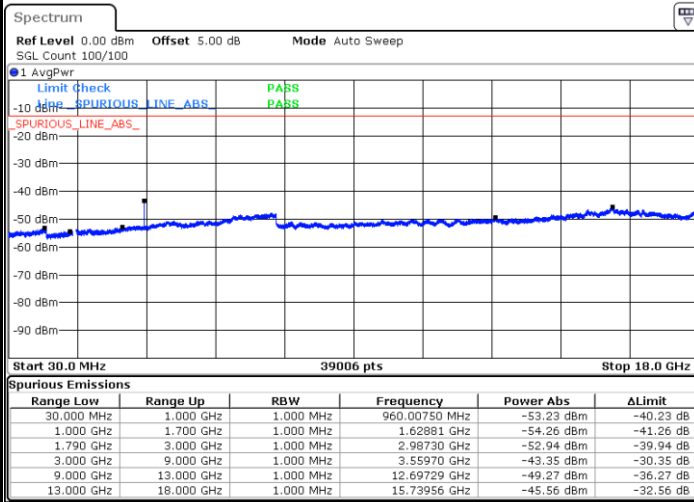


Date: 16.DEC.2020 03:56:10



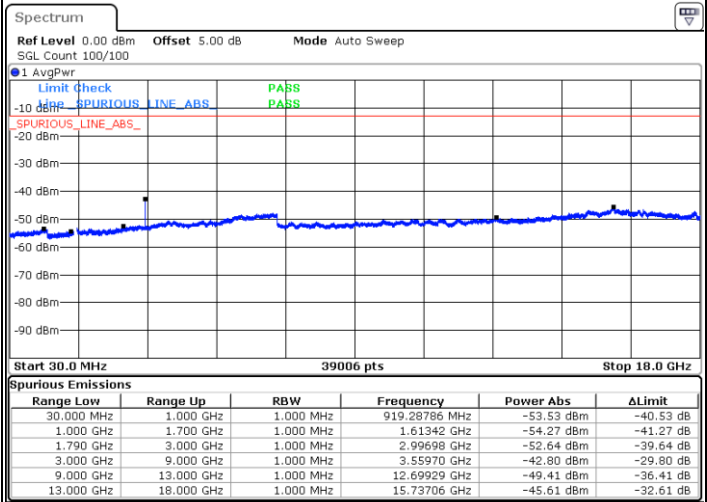
LTE Band 66 / 5MHz

Lowest Channel / QPSK



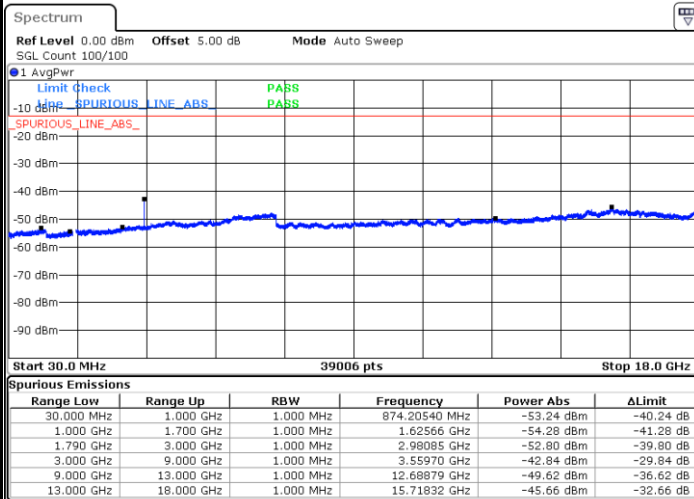
Date: 16.DEC.2020 04:20:09

Middle Channel / QPSK



Date: 16.DEC.2020 04:18:33

Highest Channel / QPSK

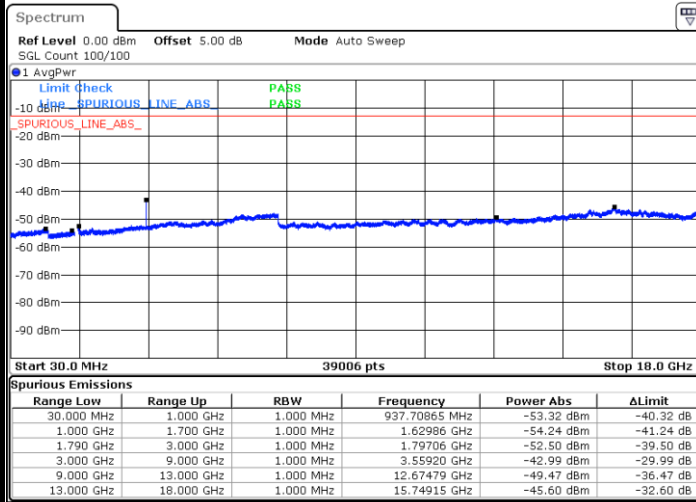


Date: 16.DEC.2020 04:14:43



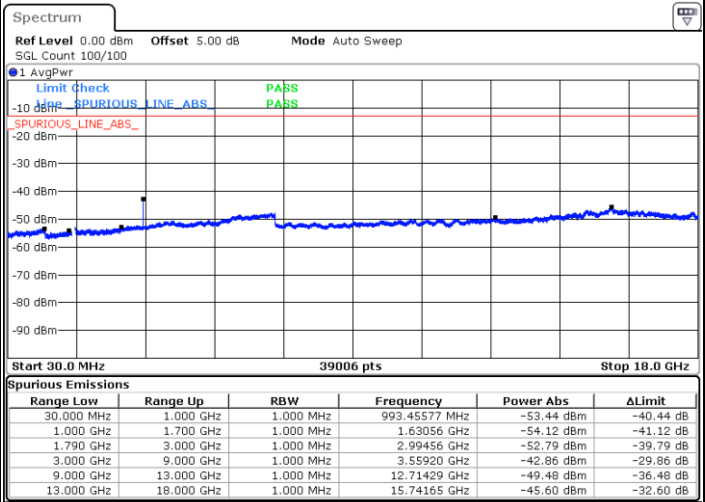
LTE Band 66 / 10MHz

Lowest Channel / QPSK



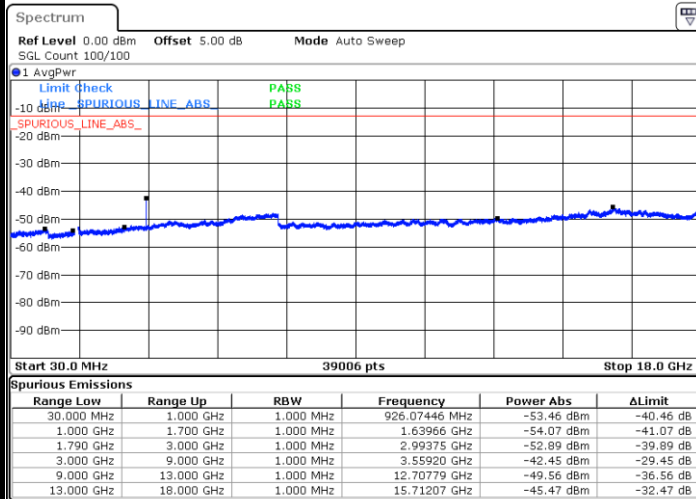
Date: 16.DEC.2020 05:12:34

Middle Channel / QPSK



Date: 16.DEC.2020 05:11:54

Highest Channel / QPSK

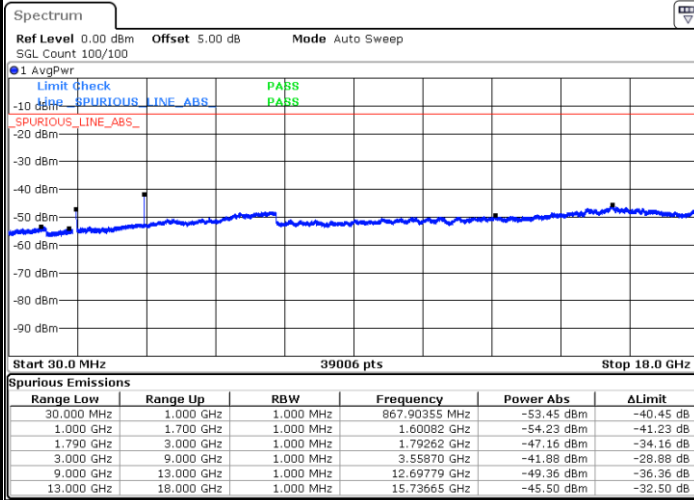


Date: 16.DEC.2020 05:10:28



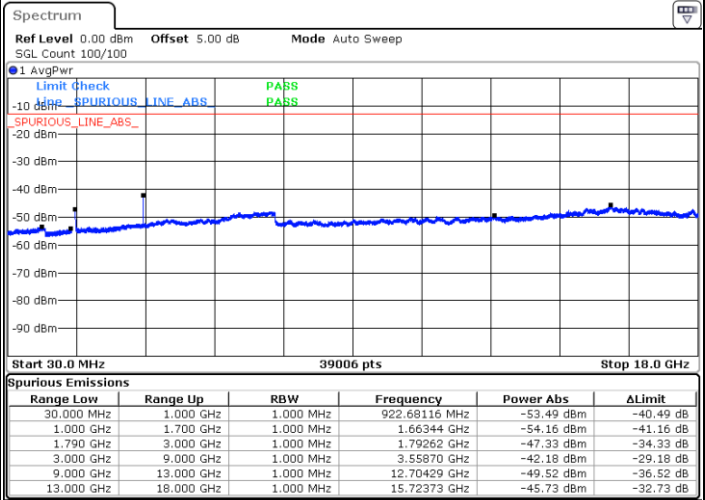
LTE Band 66 / 15MHz

Lowest Channel / QPSK



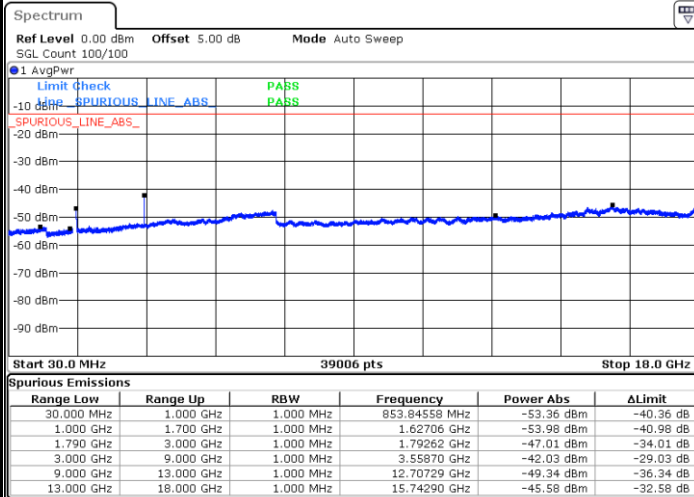
Date: 16.DEC.2020 05:19:57

Middle Channel / QPSK



Date: 16.DEC.2020 05:19:12

Highest Channel / QPSK

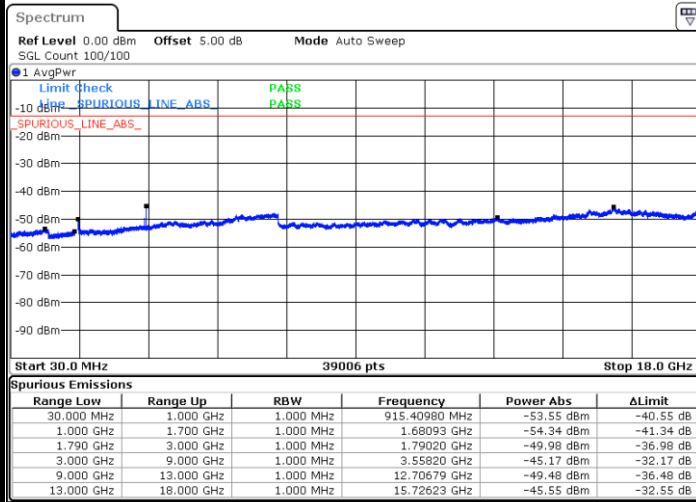


Date: 16.DEC.2020 05:18:02



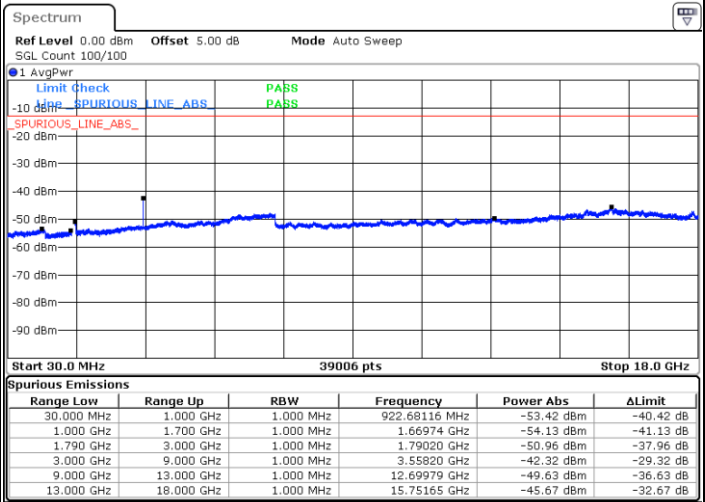
LTE Band 66 / 20MHz

Lowest Channel / QPSK



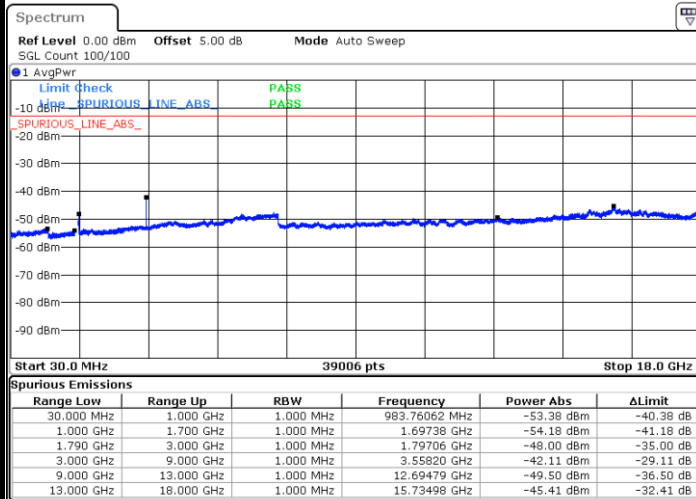
Date: 16.DEC.2020 05:27:33

Middle Channel / QPSK



Date: 16.DEC.2020 05:26:51

Highest Channel / QPSK



Date: 16.DEC.2020 05:26:07

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	0.0019	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0004	
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	0.0006	
20	Battery End Point	0.0007	

Note:

5. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.4V.
6. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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	-56.10	-13	-43.10	-68.36	2.64	14.90	H
	5613	-54.74	-13	-41.74	-66.60	2.94	14.80	H
	7488	-52.64	-13	-39.64	-62.41	3.39	13.16	H
	3741	-56.41	-13	-43.41	-68.67	2.64	14.90	V
	5613	-55.47	-13	-42.47	-67.33	2.94	14.80	V
	7488	-52.79	-13	-39.79	-62.56	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)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-58.60	-13	-45.60	-65.57	1.58	10.70	H
	2496	-60.54	-13	-47.54	-68.79	2.102	12.50	H
	3330	-60.25	-13	-47.25	-69.14	2.856	13.90	H
	4158	-54.39	-13	-41.39	-62.85	2.689	13.30	H
	1664	-61.34	-13	-48.34	-68.31	1.58	10.70	V
	2496	-59.20	-13	-46.20	-67.45	2.10	12.50	V
	3330	-60.24	-13	-47.24	-69.13	2.86	13.90	V
	4158	-54.46	-13	-41.46	-62.92	2.69	13.30	V

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

LTE Band 7 / 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	5052	-58.91	-25	-33.91	-69.12	3.03	13.24	H
	7580	-61.38	-25	-36.38	-70.83	3.56	13.01	H
	10100	-60.16	-25	-35.16	-69.68	3.92	13.44	H
	5052	-57.37	-25	-32.37	-67.58	3.03	13.24	V
	7580	-61.52	-25	-36.52	-70.97	3.56	13.01	V
	10100	-60.42	-25	-35.42	-69.94	3.92	13.44	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	3471	-57.47	-13	-44.47	-68.21	2.604	13.34	H
	5208	-55.02	-13	-42.02	-65.53	3.011	13.52	H
	6948	-54.02	-13	-41.02	-64.22	3.271	13.47	H
	3471	-57.39	-13	-44.39	-68.13	2.604	13.34	V
	5208	-54.28	-13	-41.28	-64.79	3.011	13.52	V
	6948	-54.51	-13	-41.51	-64.71	3.271	13.47	V

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