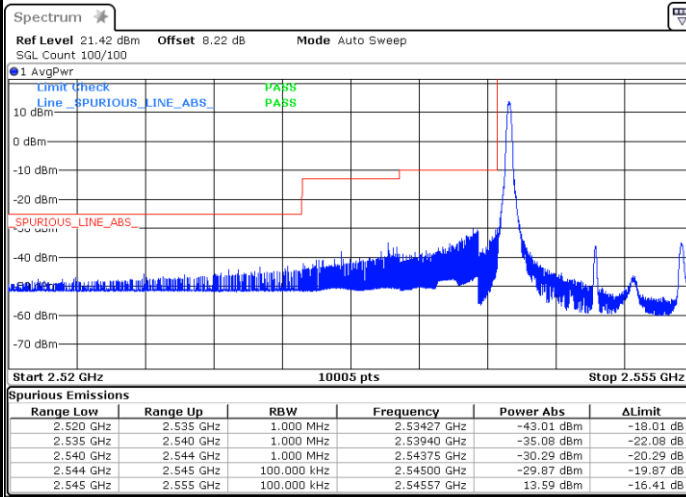


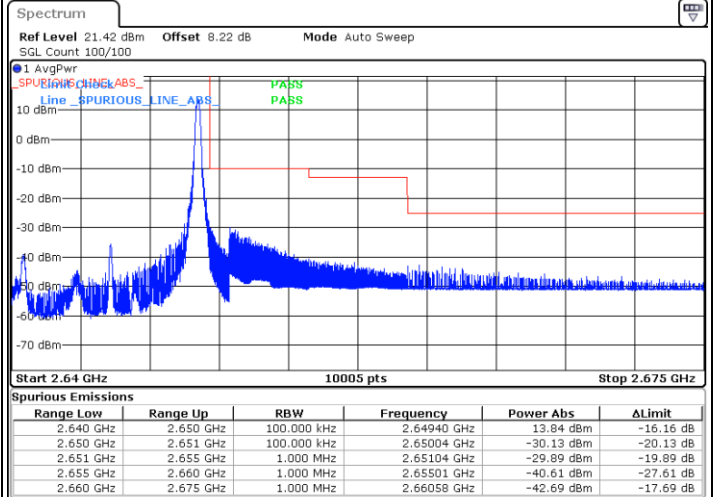


LTE Band 41 / 10MHz / QPSK

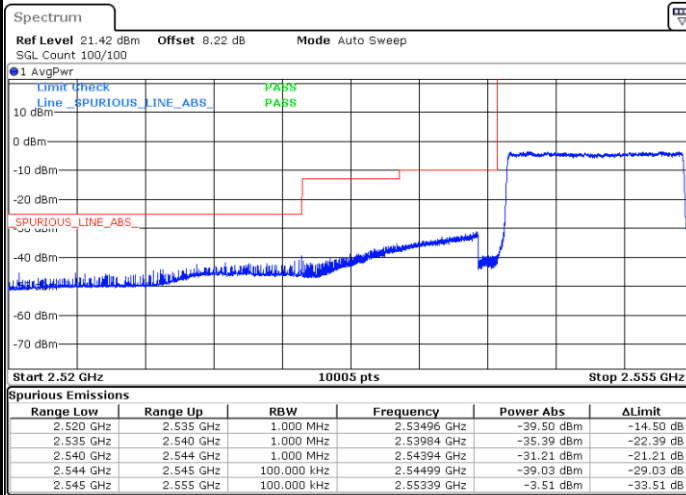
Lowest Band Edge / 1 RB



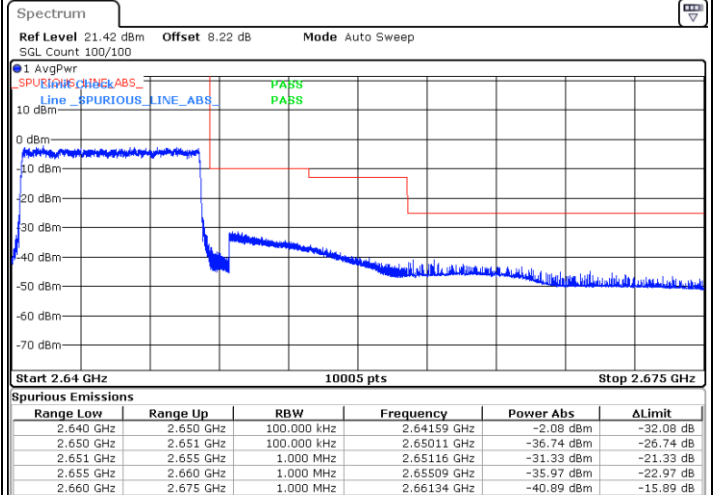
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



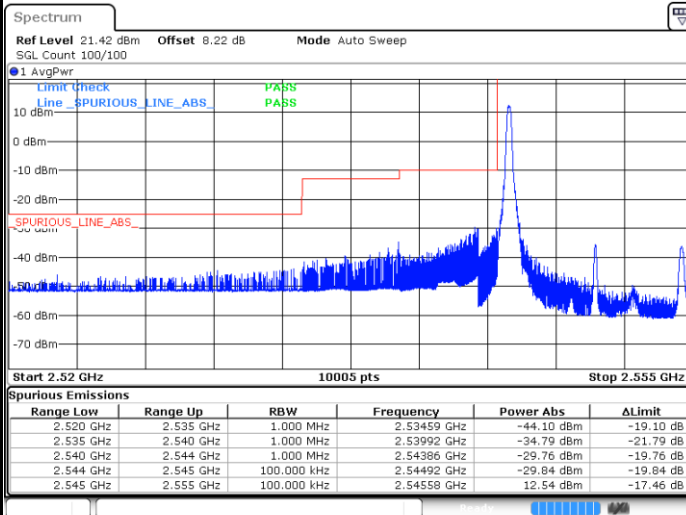
Highest Band Edge / Full RB



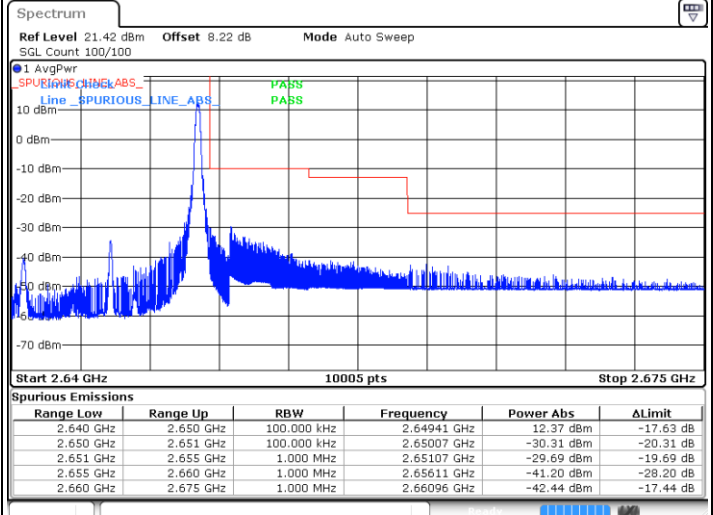


LTE Band 41 / 10MHz / 16QAM

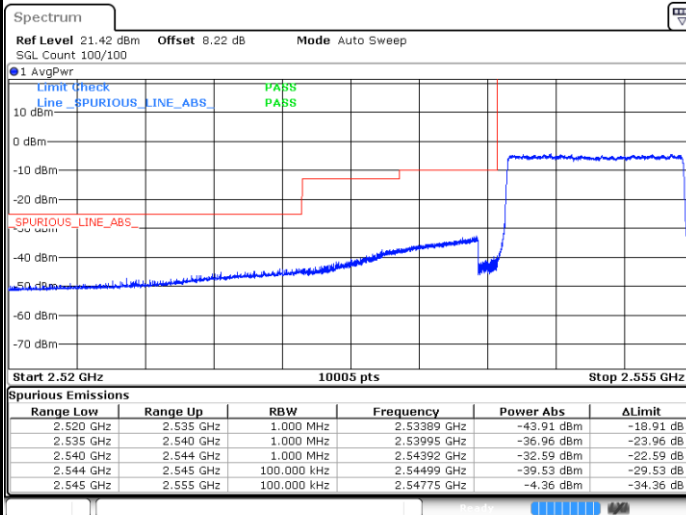
Lowest Band Edge / 1 RB



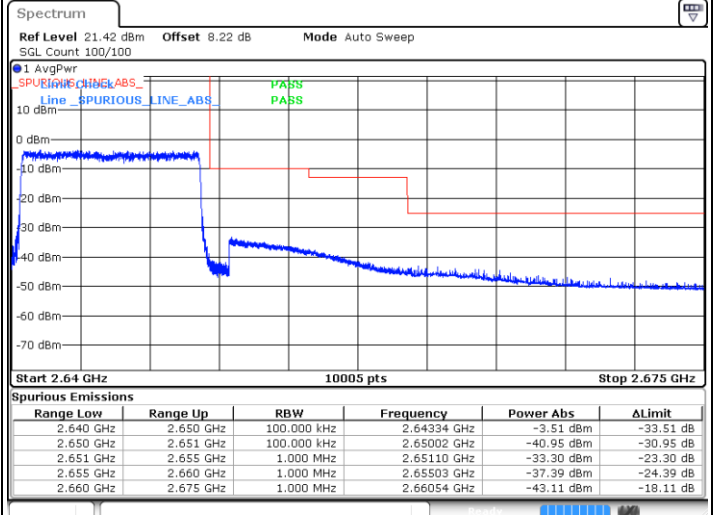
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



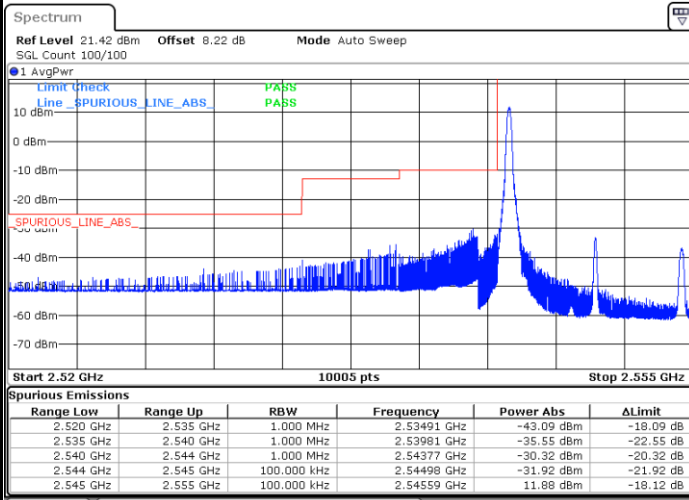
Highest Band Edge / Full RB



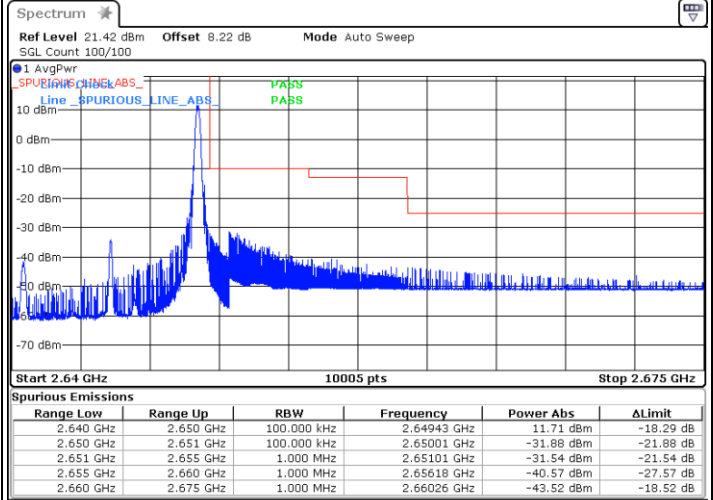


LTE Band 41 / 10MHz / 64QAM

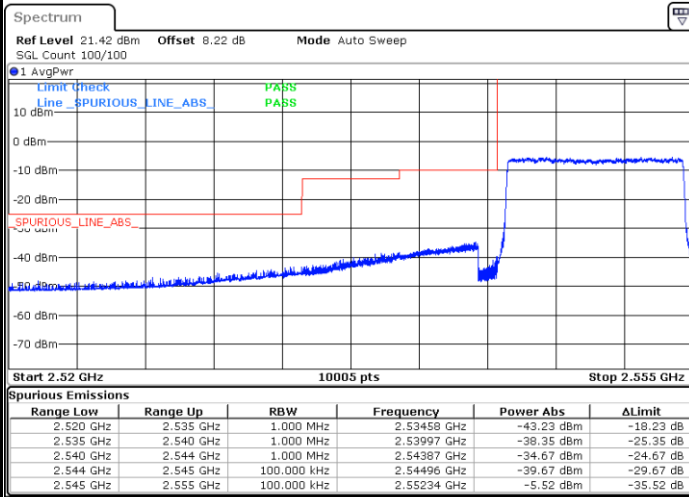
Lowest Band Edge / 1 RB



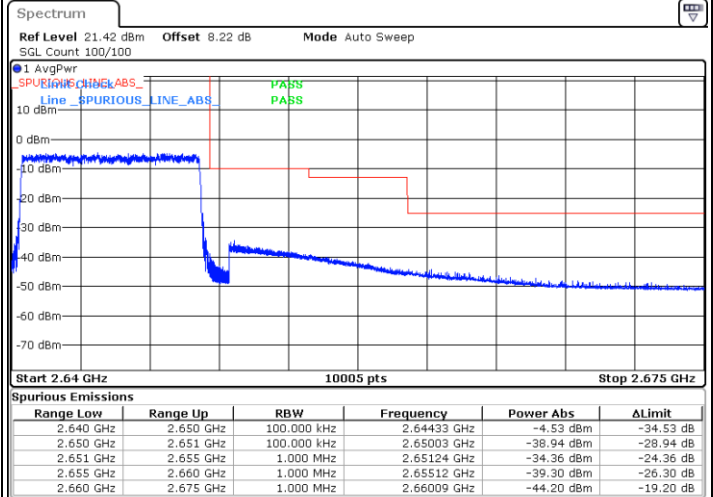
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



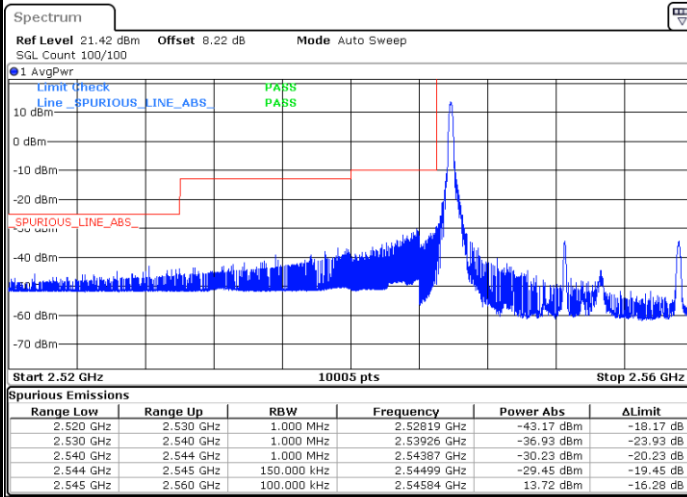
Highest Band Edge / Full RB



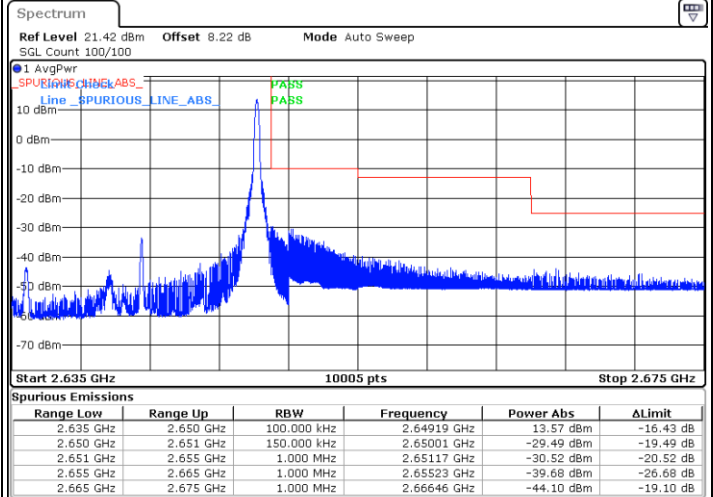


LTE Band 41 / 15MHz / QPSK

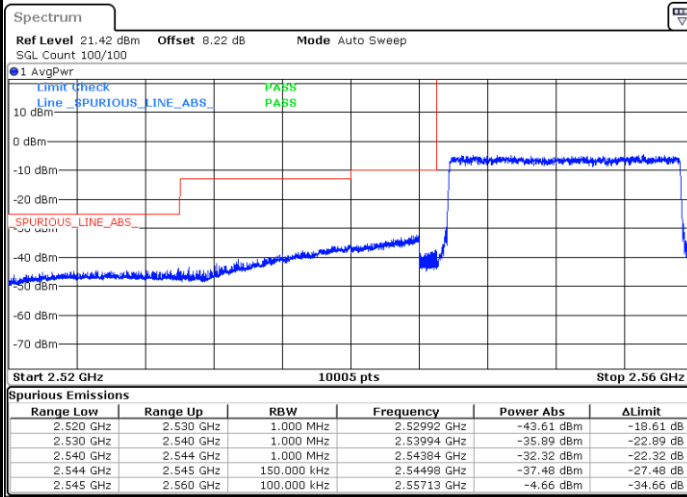
Lowest Band Edge / 1 RB



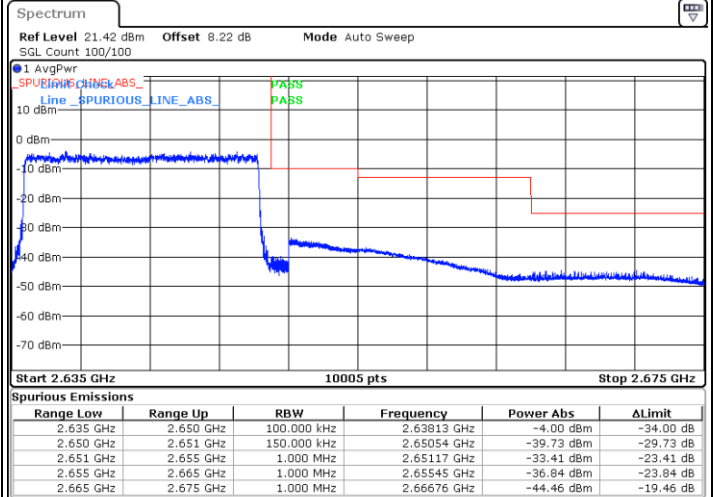
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



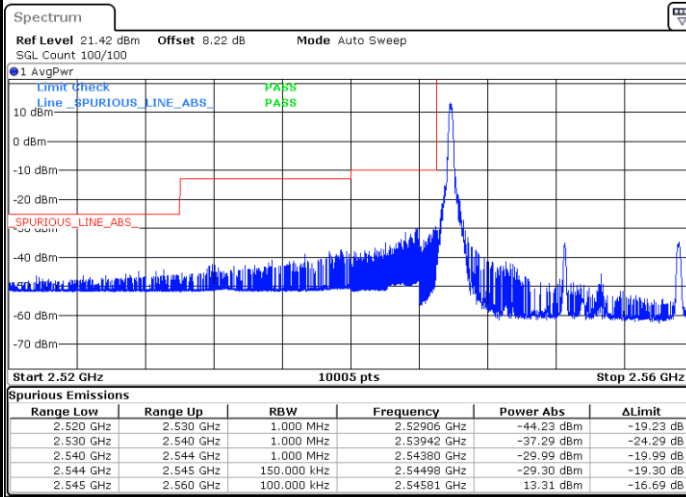
Highest Band Edge / Full RB



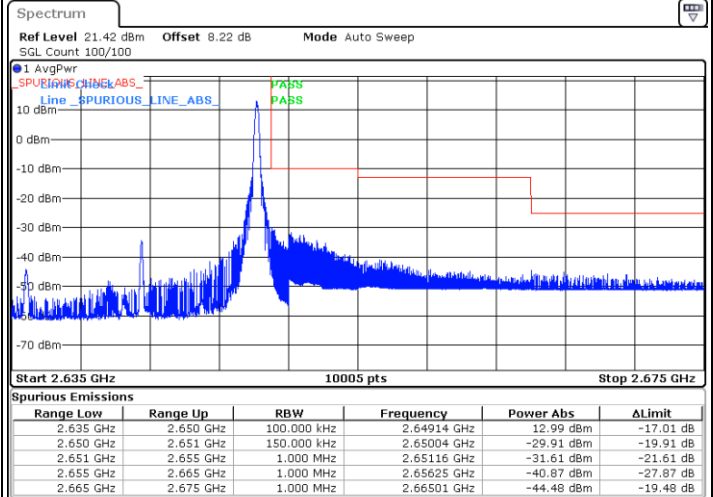


LTE Band 41 / 15MHz / 16QAM

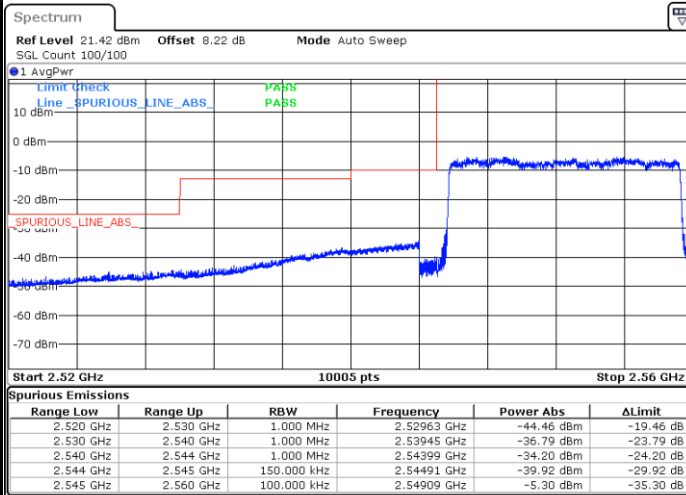
Lowest Band Edge / 1 RB



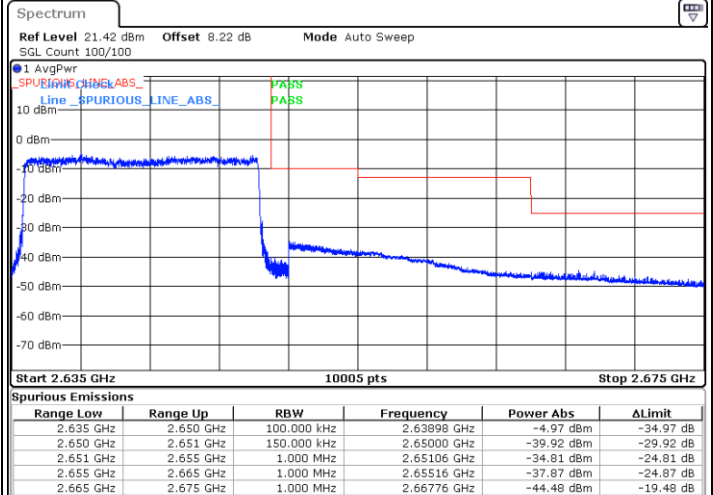
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



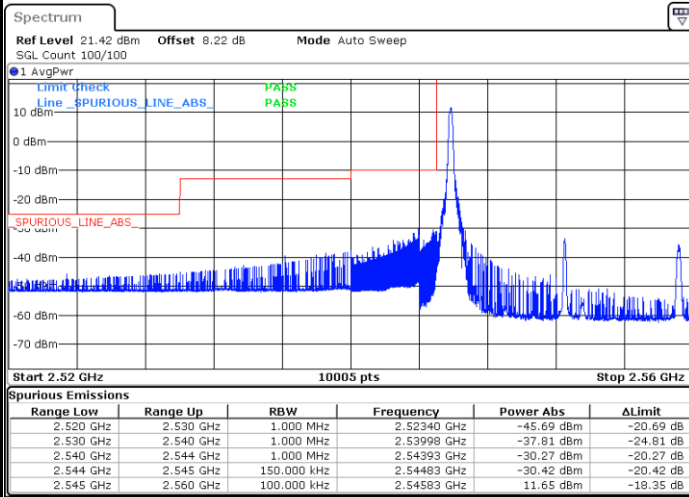
Highest Band Edge / Full RB



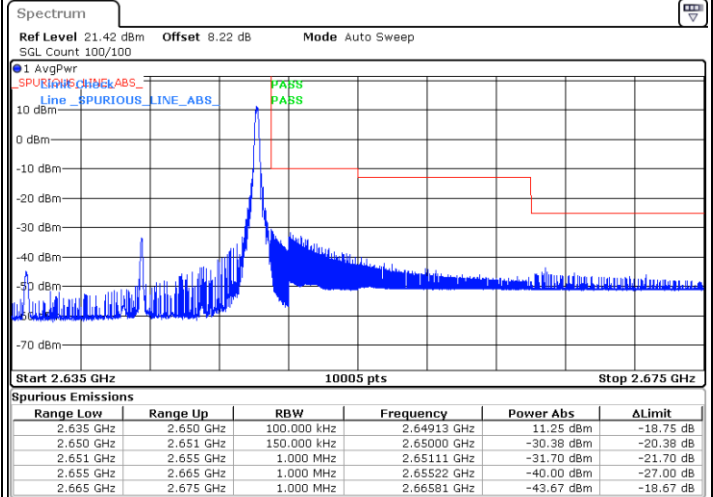


LTE Band 41 / 15MHz / 64QAM

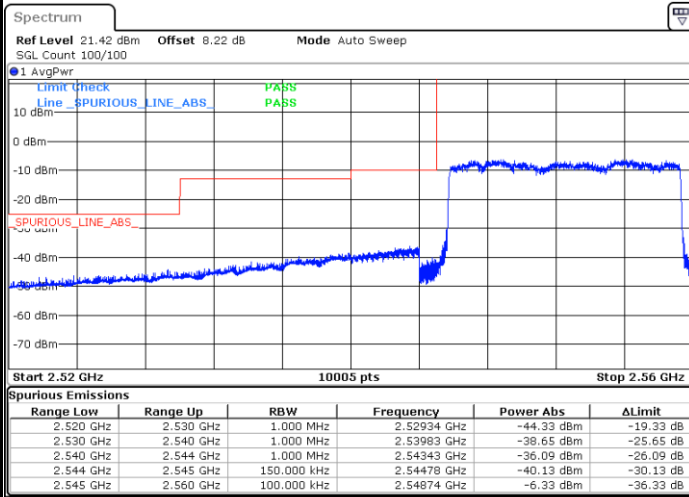
Lowest Band Edge / 1 RB



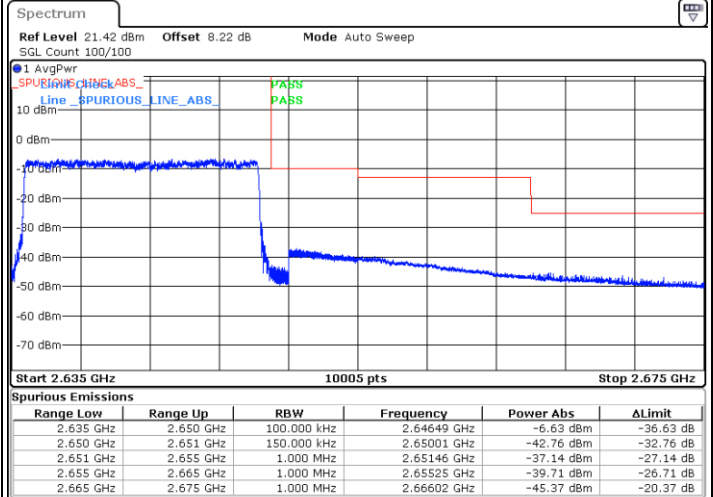
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



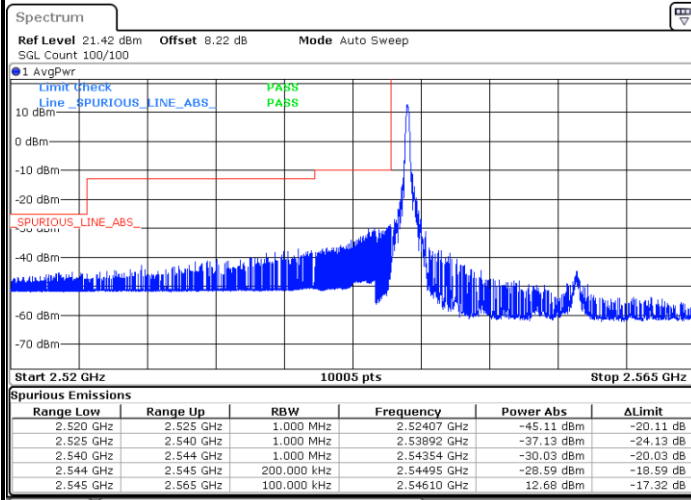
Highest Band Edge / Full RB



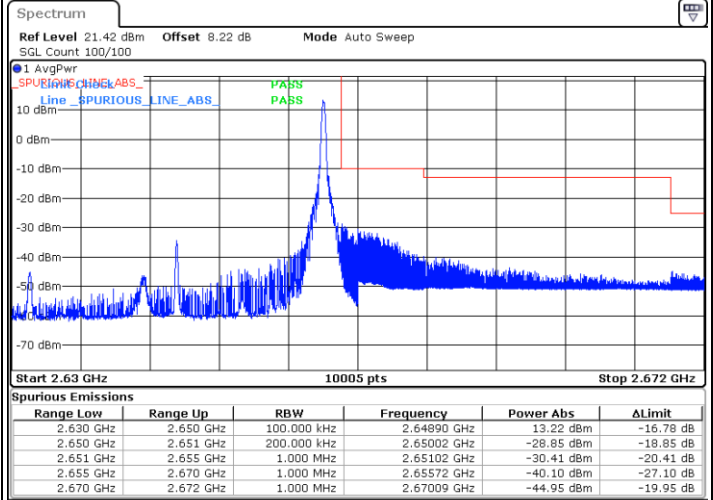


LTE Band 41 / 20MHz / QPSK

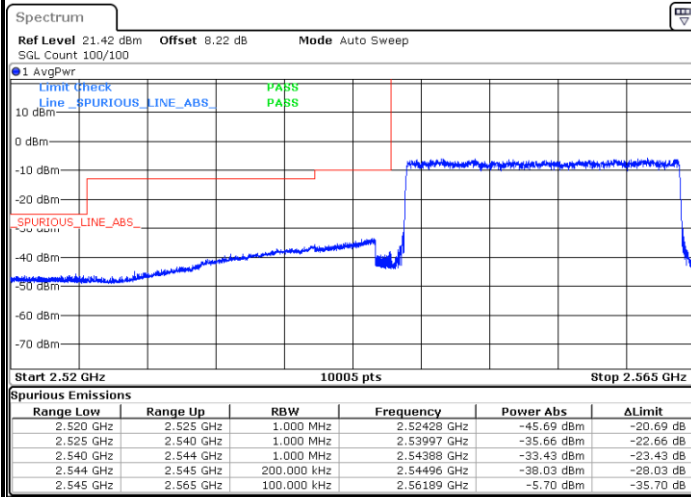
Lowest Band Edge / 1 RB



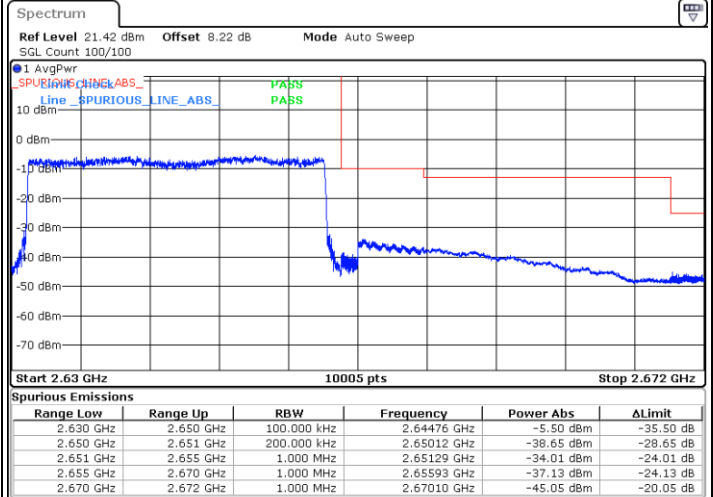
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



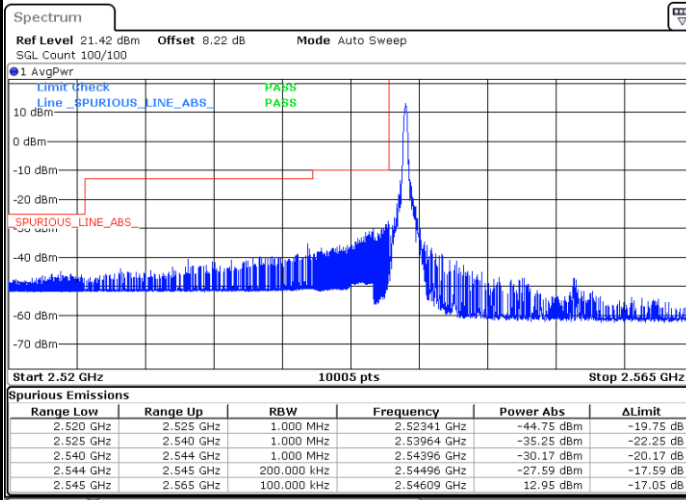
Highest Band Edge / Full RB



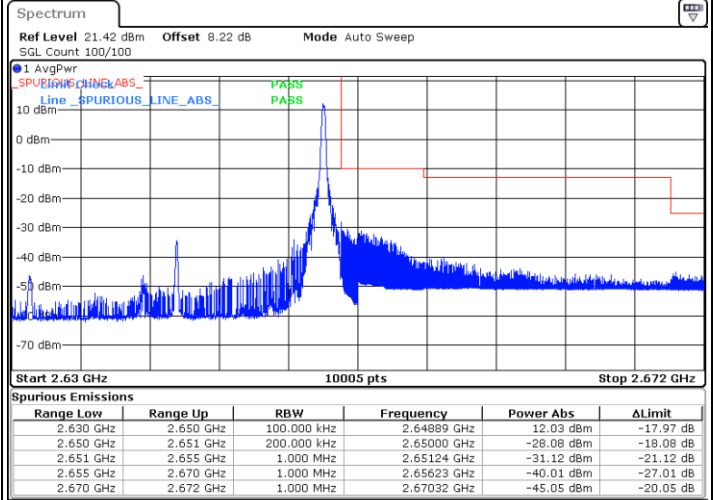


LTE Band 41 / 20MHz / 16QAM

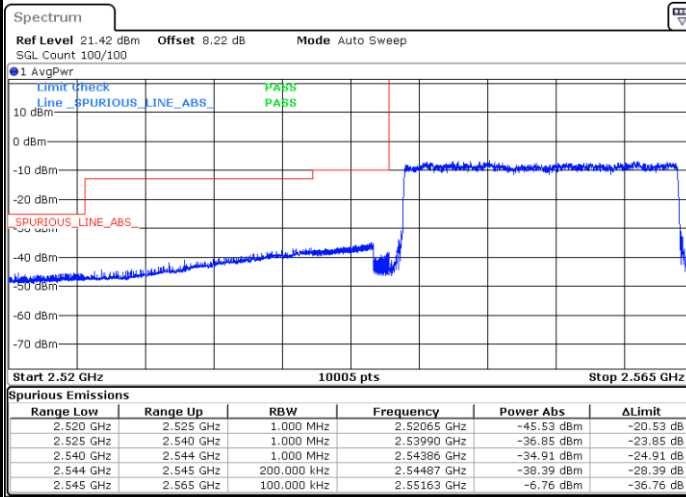
Lowest Band Edge / 1 RB



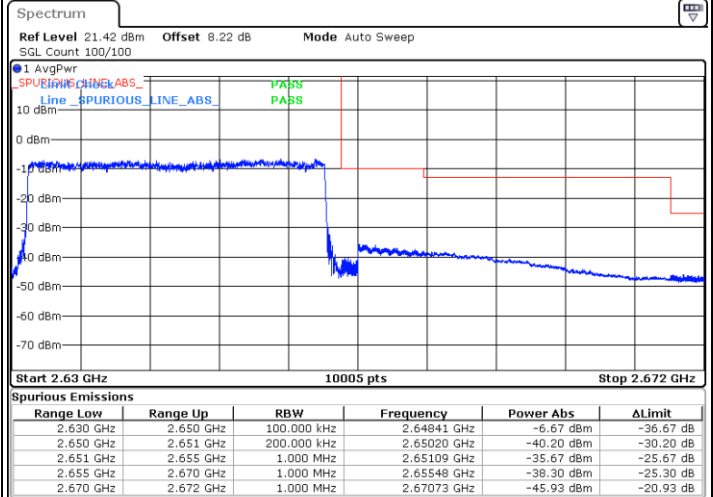
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



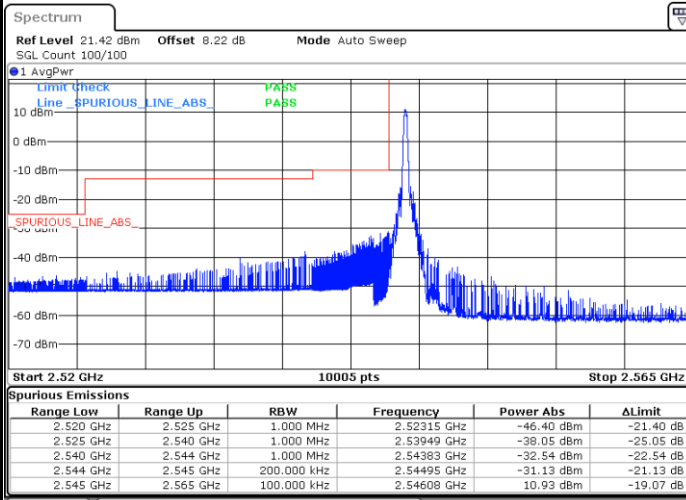
Highest Band Edge / Full RB



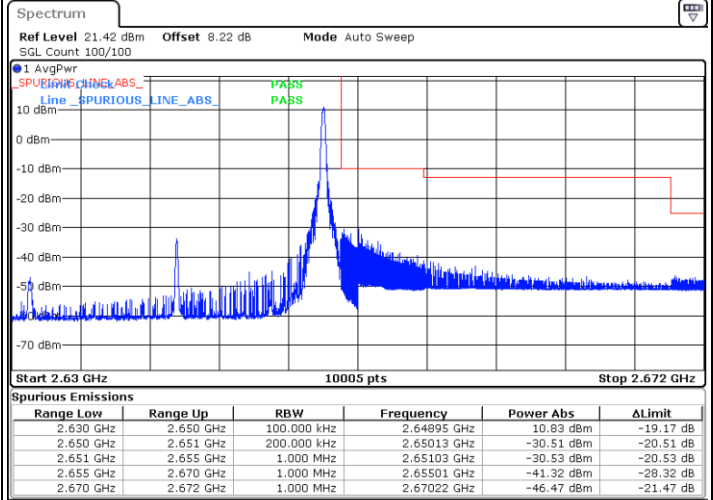


LTE Band 41 / 20MHz / 64QAM

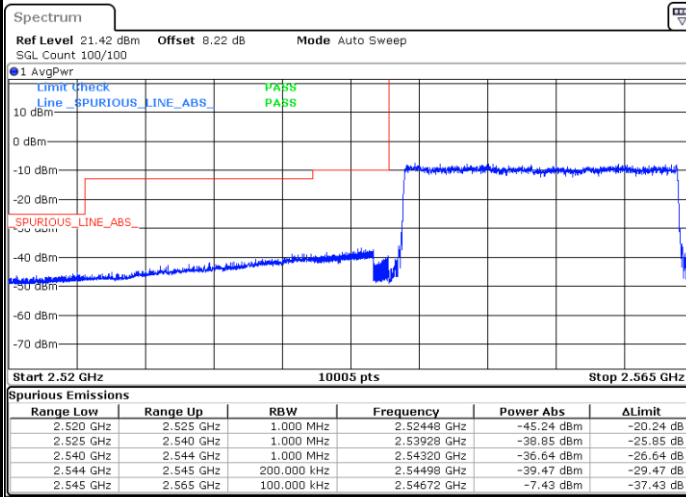
Lowest Band Edge / 1 RB



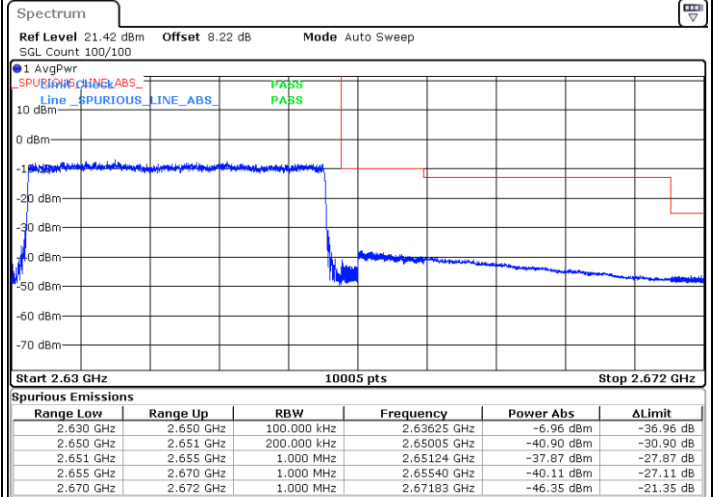
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

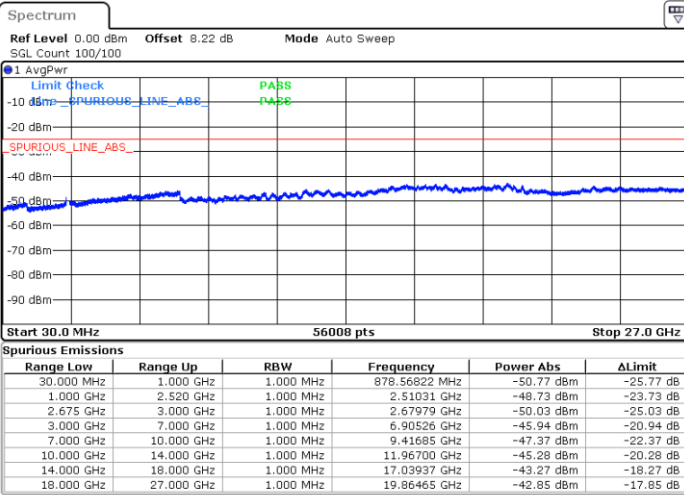




Conducted Spurious Emission

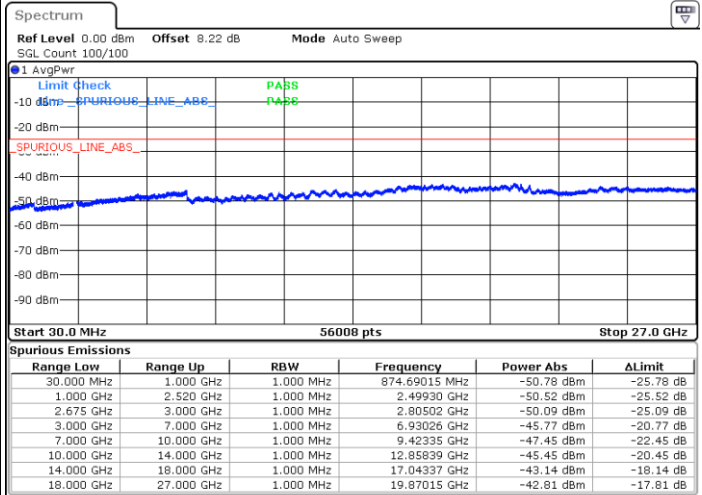
LTE Band 41 / 5MHz

Lowest Channel / QPSK



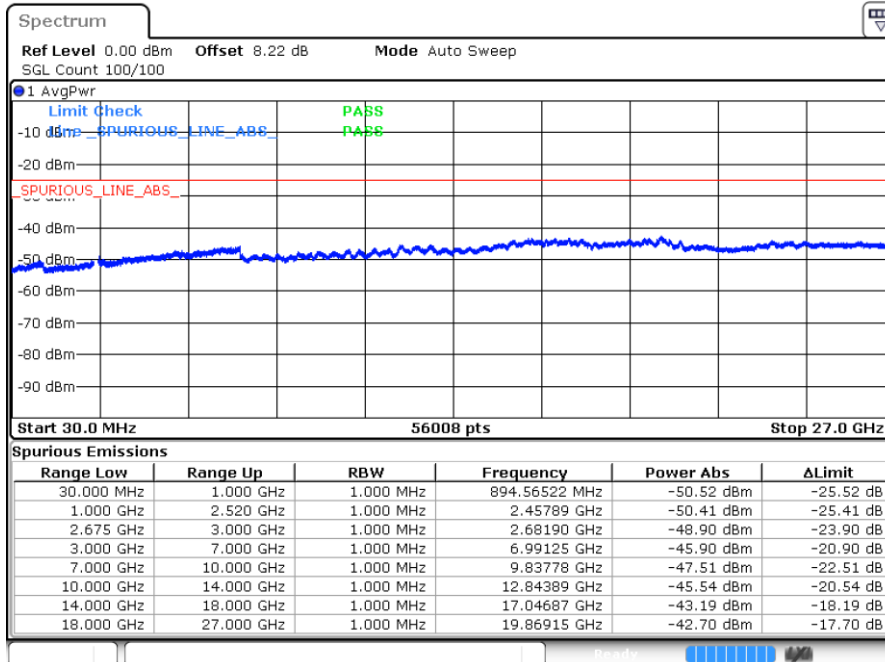
Date: 28.OCT.2021 01:06:22

Middle Channel / QPSK



Date: 28.OCT.2021 01:17:10

Highest Channel / QPSK

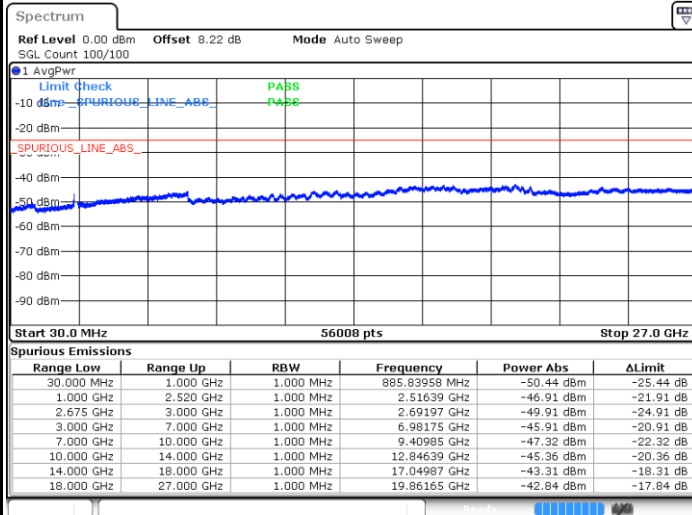


Date: 28.OCT.2021 01:19:33



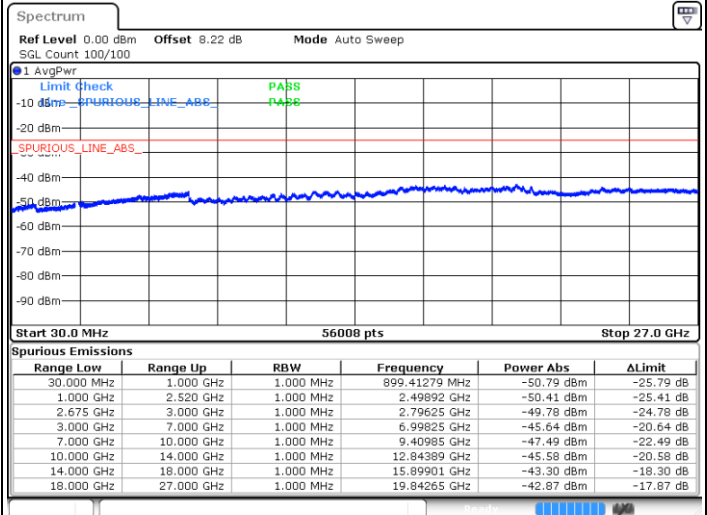
LTE Band 41 / 10MHz

Lowest Channel / QPSK



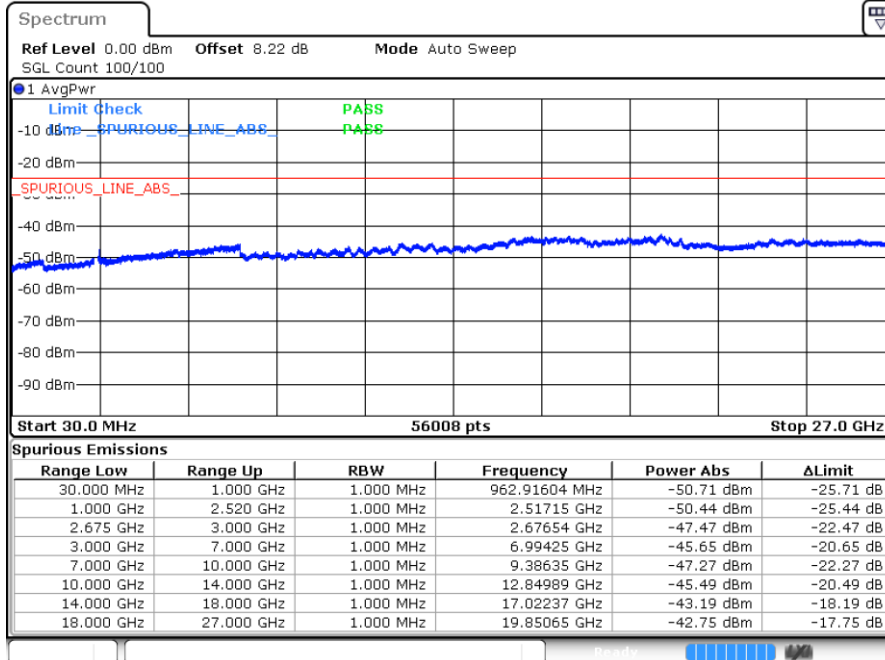
Date: 28.OCT.2021 01:31:56

Middle Channel / QPSK



Date: 28.OCT.2021 01:37:26

Highest Channel / QPSK

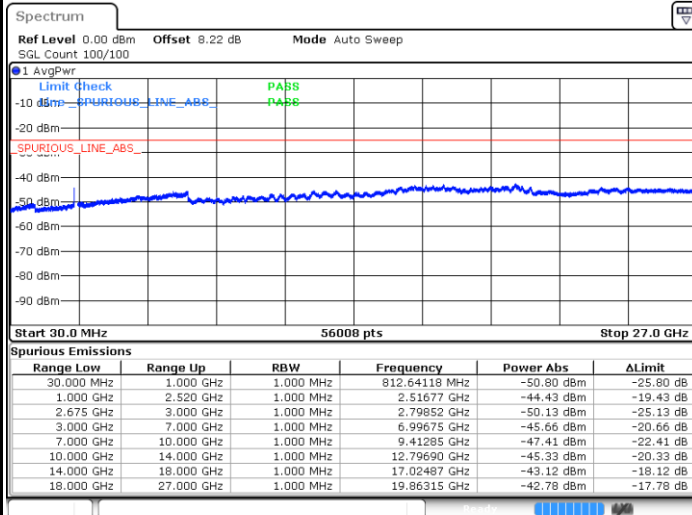


Date: 28.OCT.2021 01:39:32



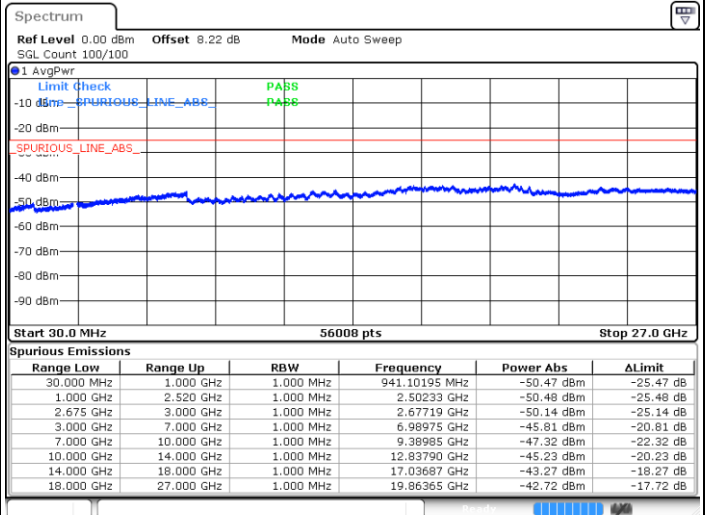
LTE Band 41 / 15MHz

Lowest Channel / QPSK



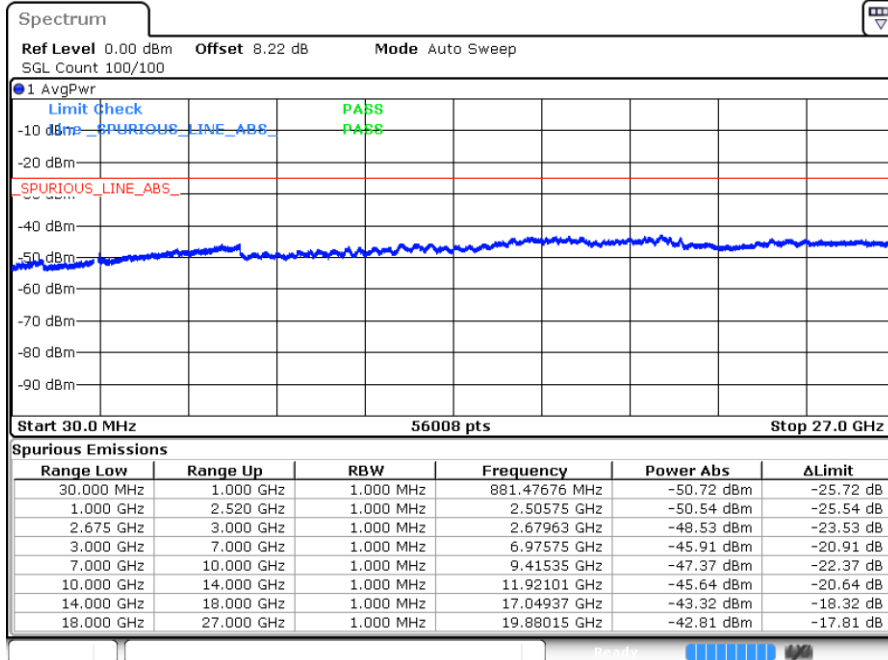
Date: 28.OCT.2021 02:29:40

Middle Channel / QPSK



Date: 28.OCT.2021 02:30:53

Highest Channel / QPSK

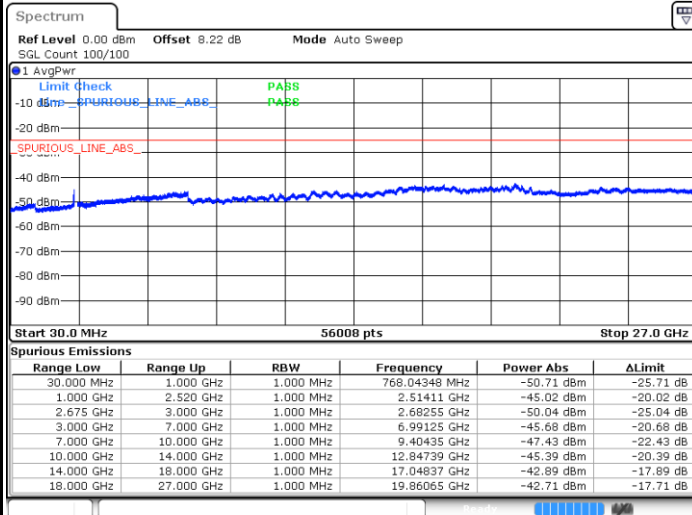


Date: 28.OCT.2021 02:37:09



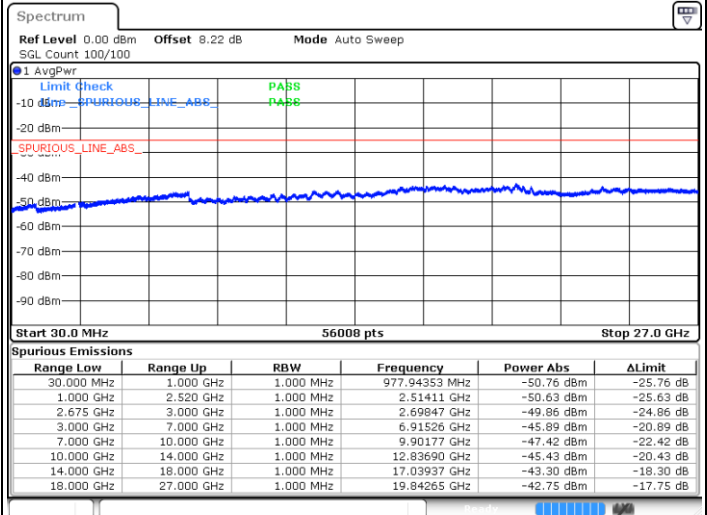
LTE Band 41 / 20MHz

Lowest Channel / QPSK



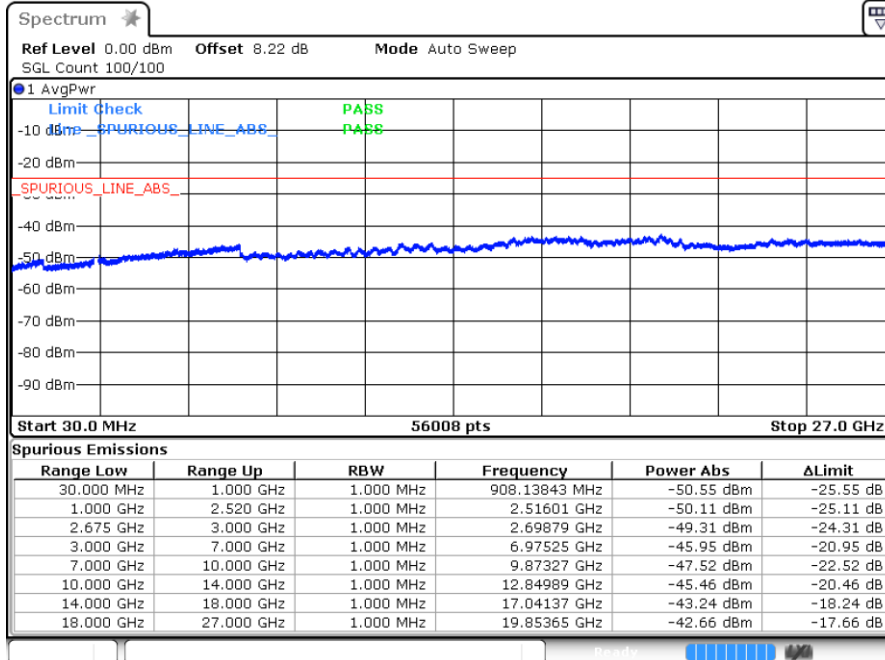
Date: 28.OCT.2021 02:46:07

Middle Channel / QPSK



Date: 28.OCT.2021 03:21:52

Highest Channel / QPSK



Date: 28.OCT.2021 03:15:33

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 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 12

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)
Lowest	1400	-66.47	-13	-53.47	-73.44	1.58	10.70	H
	2096	-60.22	-13	-47.22	-68.47	2.10	12.50	H
	2800	-58.99	-13	-45.99	-67.88	2.86	13.90	H
	3496	-58.39	-13	-45.39	-66.08	3.46	13.30	H
	1400	-66.08	-13	-53.08	-73.05	1.58	10.70	V
	2096	-59.19	-13	-46.19	-67.44	2.10	12.50	V
	2800	-58.30	-13	-45.30	-67.19	2.86	13.90	V
	3496	-58.74	-13	-45.74	-66.43	3.46	13.30	V
Middle	1406	-68.07	-13	-55.07	-75.04	1.58	10.70	H
	2110	-61.31	-13	-48.31	-69.56	2.10	12.50	H
	2812	-61.01	-13	-48.01	-69.90	2.86	13.90	H
	3516	-60.78	-13	-47.78	-68.47	3.46	13.30	H
	1406	-64.00	-13	-51.00	-70.97	1.58	10.70	V
	2110	-59.50	-13	-46.50	-67.75	2.10	12.50	V
	2812	-60.74	-13	-47.74	-69.63	2.86	13.90	V
	3516	-60.40	-13	-47.40	-68.09	3.46	13.30	V
Highest	1416	-65.70	-13	-52.70	-72.67	1.58	10.70	H
	2120	-59.55	-13	-46.55	-67.80	2.10	12.50	H
	2824	-59.21	-13	-46.21	-68.10	2.86	13.90	H
	3536	-58.25	-13	-45.25	-65.94	3.46	13.30	H
	1416	-66.03	-13	-53.03	-73.00	1.58	10.70	V
	2120	-59.70	-13	-46.70	-67.95	2.10	12.50	V
	2824	-58.64	-13	-45.64	-67.53	2.86	13.90	V
	3536	-58.51	-13	-45.51	-66.20	3.46	13.30	V

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

**LTE Band 41**

LTE Band 41 / 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)
Lowest	5092	-62.83	-25	-37.83	-73.04	3.03	13.24	H
	7640	-46.31	-25	-21.31	-55.76	3.56	13.01	H
	10188	-60.81	-25	-35.81	-70.33	3.92	13.44	H
	5092	-62.72	-25	-37.72	-72.93	3.03	13.24	V
	7640	-46.52	-25	-21.52	-55.97	3.56	13.01	V
	10188	-60.99	-25	-35.99	-70.51	3.92	13.44	V
Middle	5168	-61.86	-25	-36.86	-72.07	3.03	13.24	H
	7752	-52.76	-25	-27.76	-62.21	3.56	13.01	H
	10340	-58.63	-25	-33.63	-68.15	3.92	13.44	H
	5168	-62.72	-25	-37.72	-72.93	3.03	13.24	V
	7752	-54.02	-25	-29.02	-63.47	3.56	13.01	V
	10340	-58.99	-25	-33.99	-68.51	3.92	13.44	V
Highest	5260	-63.93	-25	-38.93	-74.14	3.03	13.24	H
	7892	-48.07	-25	-23.07	-57.52	3.56	13.01	H
	10524	-60.03	-25	-35.03	-69.55	3.92	13.44	H
	5260	-62.82	-25	-37.82	-73.03	3.03	13.24	V
	7892	-49.98	-25	-24.98	-59.43	3.56	13.01	V
	10524	-59.93	-25	-34.93	-69.45	3.92	13.44	V

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

————THE END————