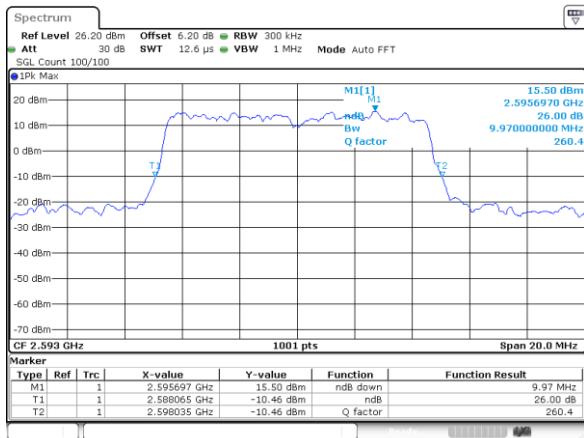


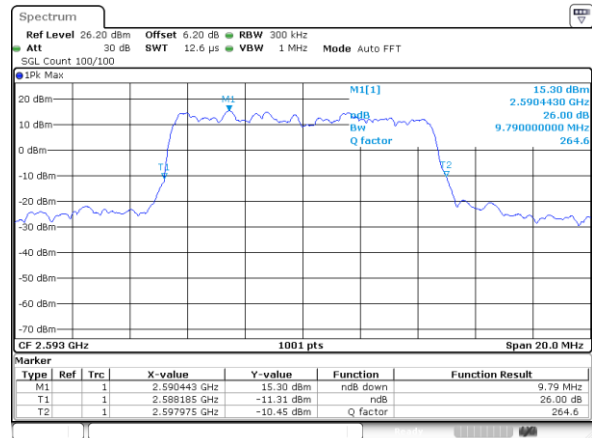


LTE Band 41

Middle Channel / 10MHz / QPSK

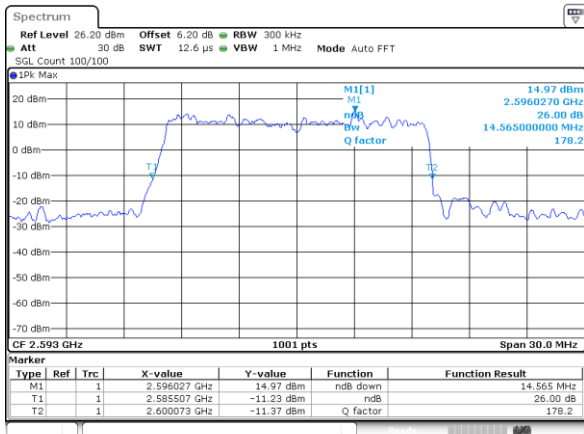


Middle Channel / 10MHz / 16QAM

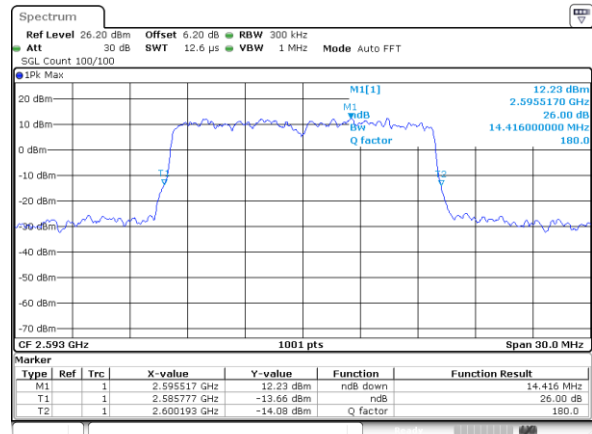


LTE Band 41

Middle Channel / 15MHz / QPSK

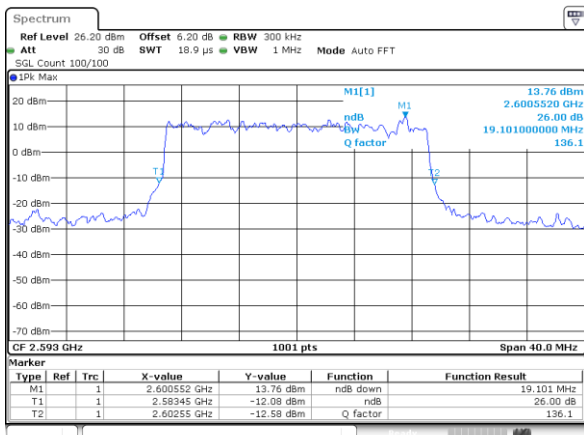


Middle Channel / 15MHz / 16QAM

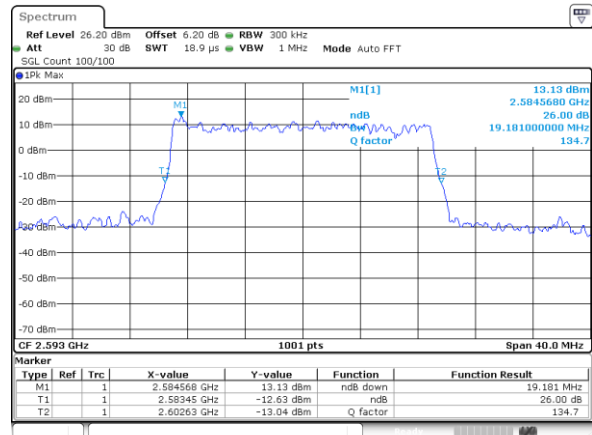


LTE Band 41

Middle Channel / 20MHz / QPSK



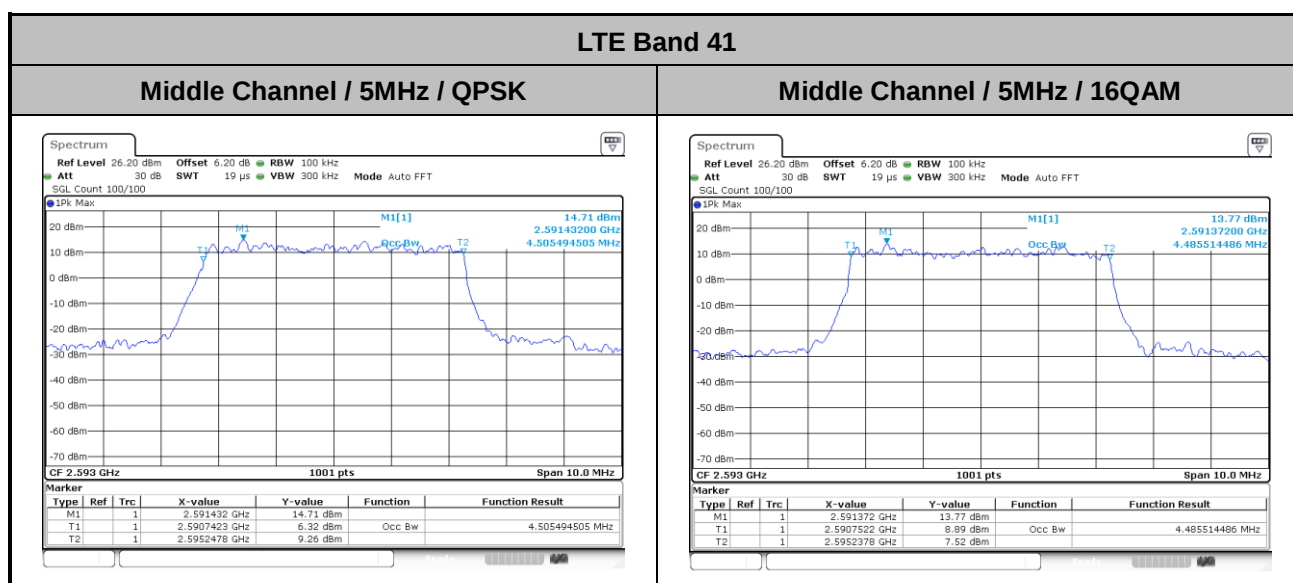
Middle Channel / 20MHz / 16QAM





Occupied Bandwidth

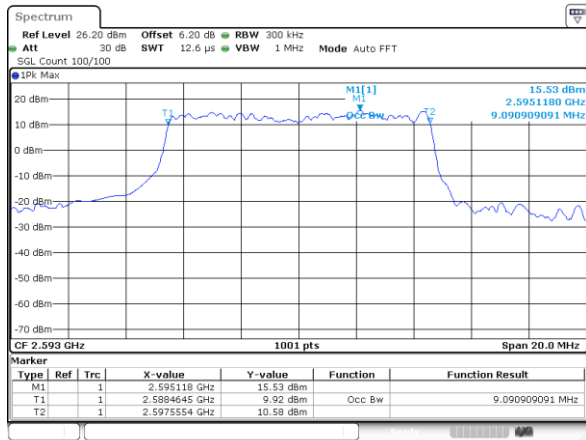
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.51	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.09	9.09
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.49	13.46
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.86



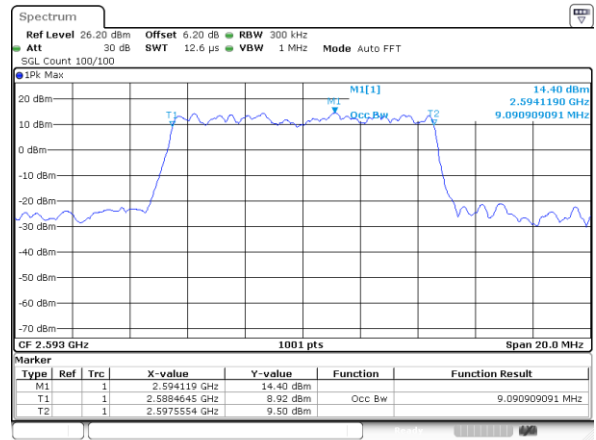


LTE Band 41

Middle Channel / 10MHz / QPSK

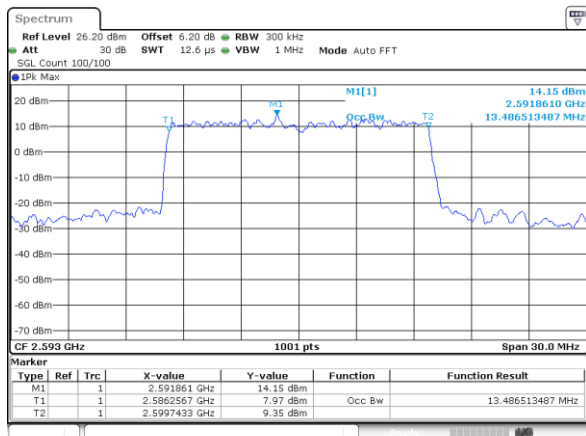


Middle Channel / 10MHz / 16QAM

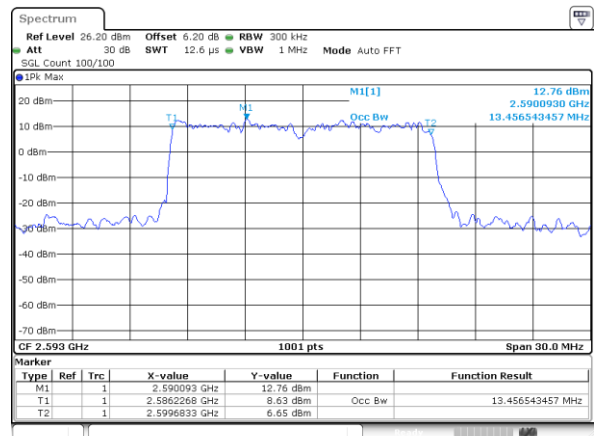


LTE Band 41

Middle Channel / 15MHz / QPSK

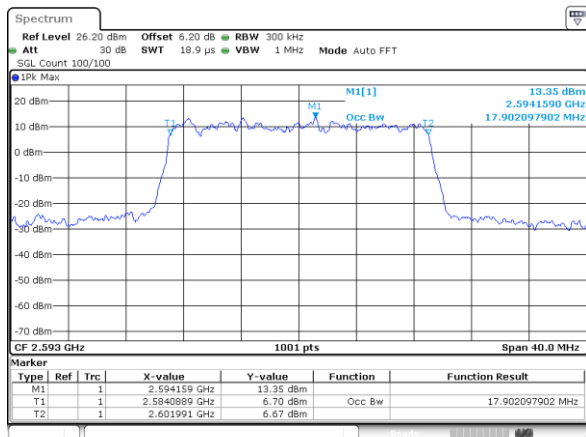


Middle Channel / 15MHz / 16QAM

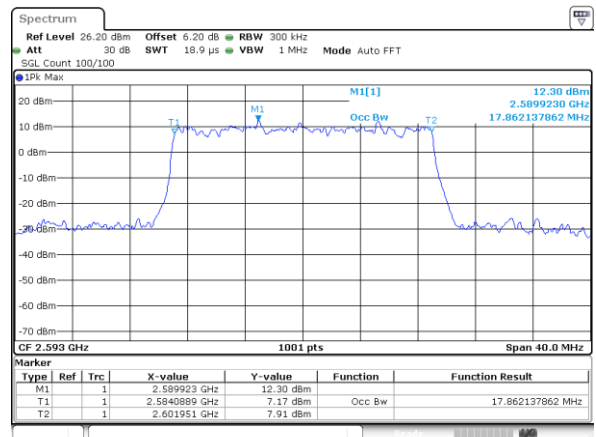


LTE Band 41

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

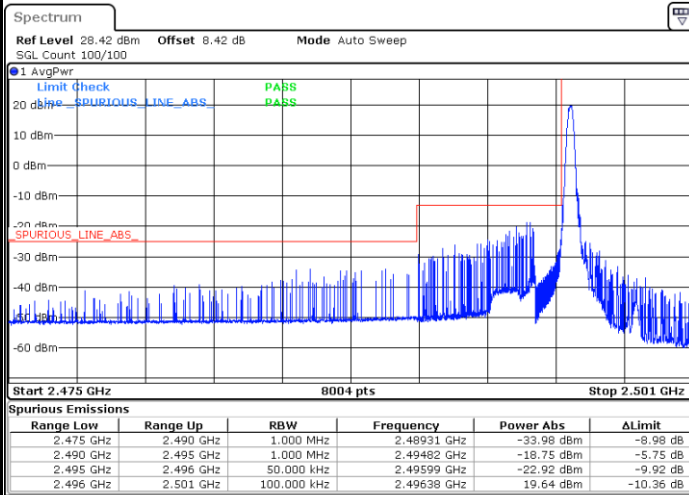




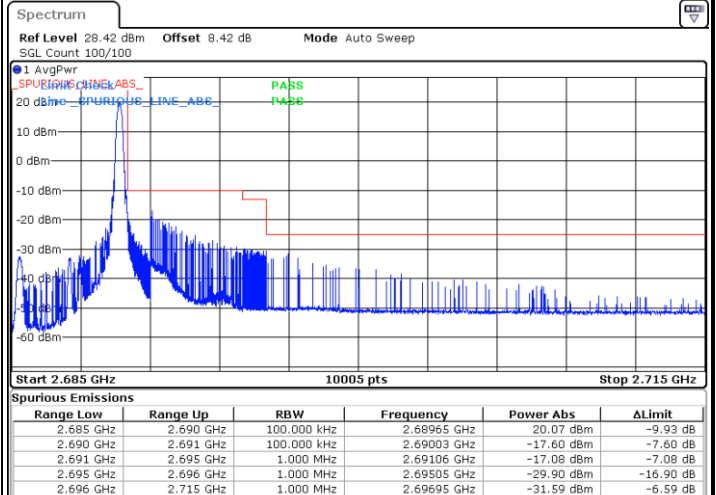
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

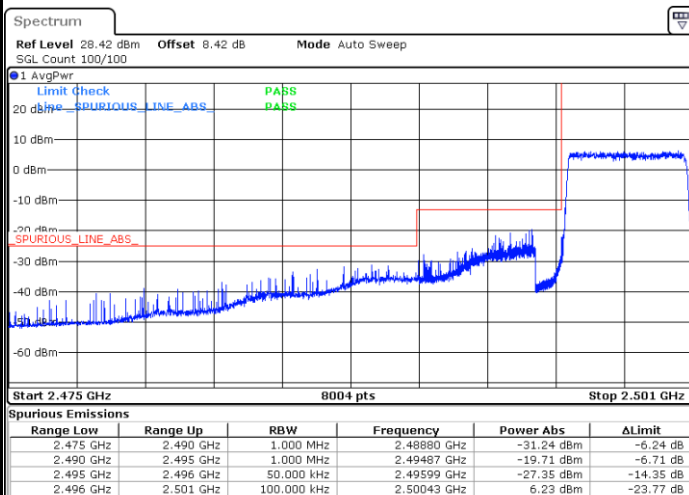
Lowest Band Edge / 1 RB



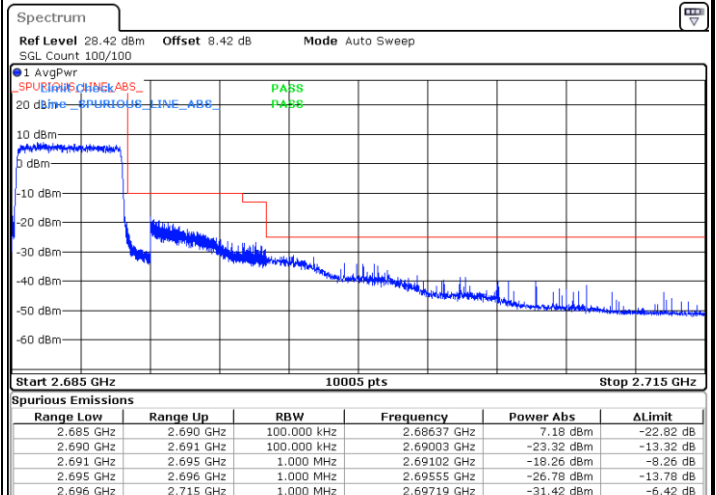
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



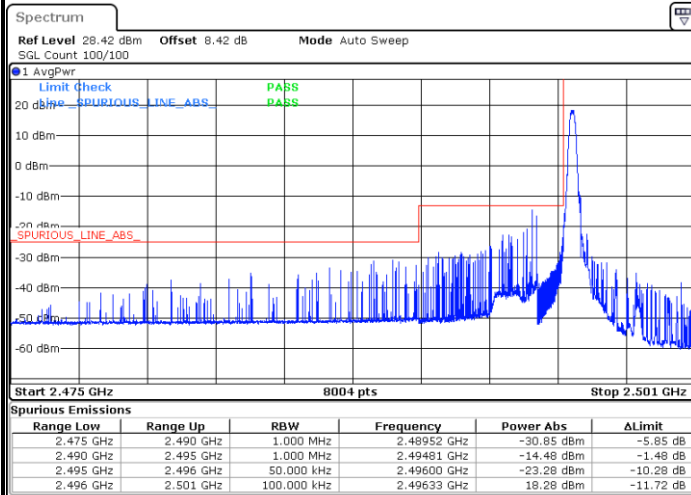
Highest Band Edge / Full RB



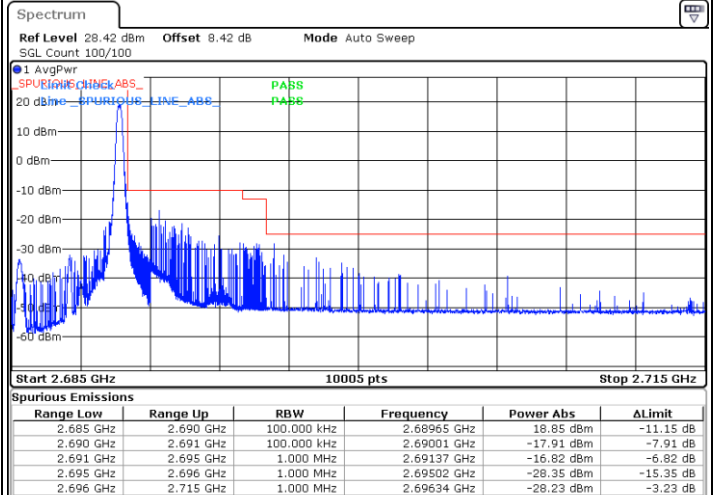


LTE Band 41 / 5MHz / 16QAM

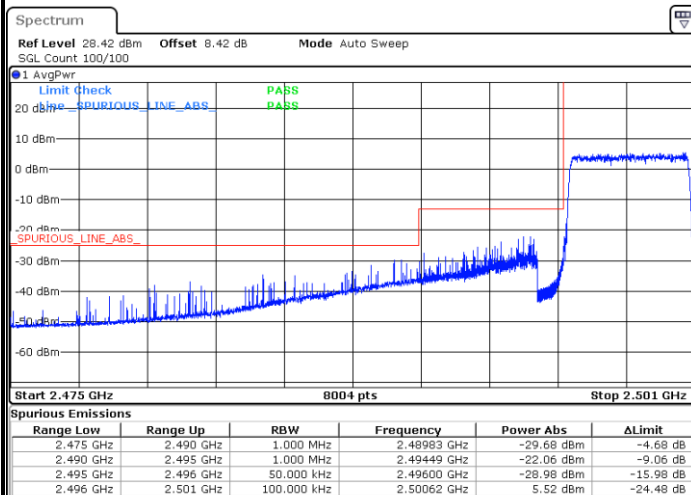
Lowest Band Edge / 1RB



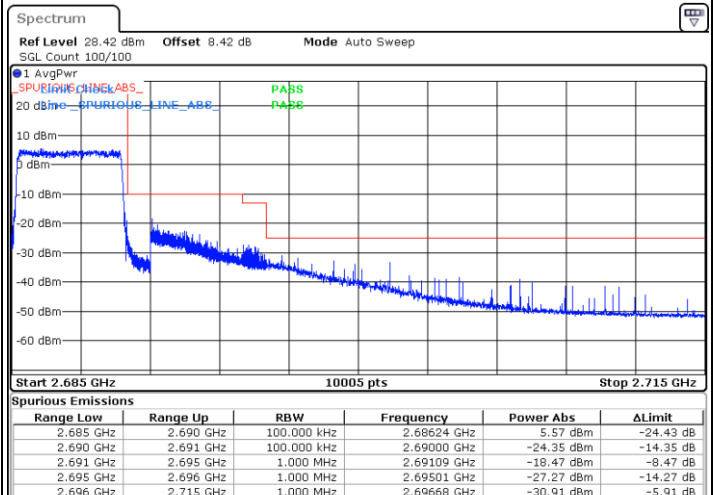
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



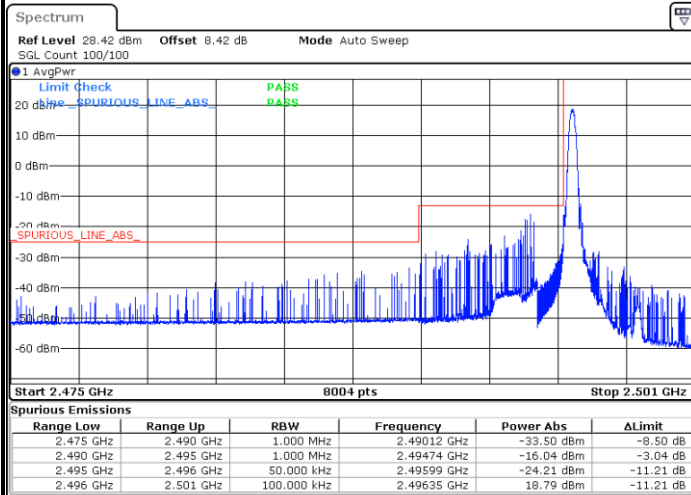
Highest Band Edge / Full RB



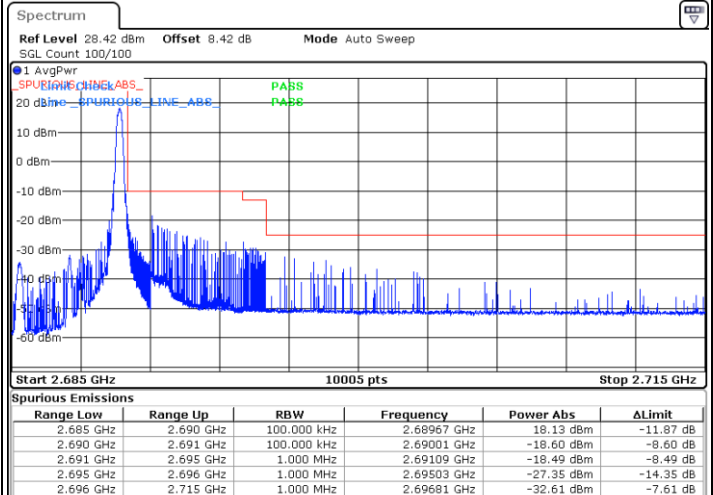


LTE Band 41 / 5MHz / 64QAM

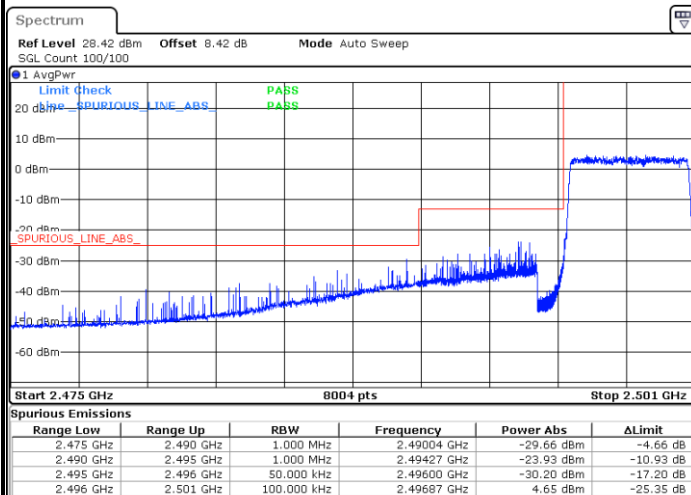
Lowest Band Edge / 1RB



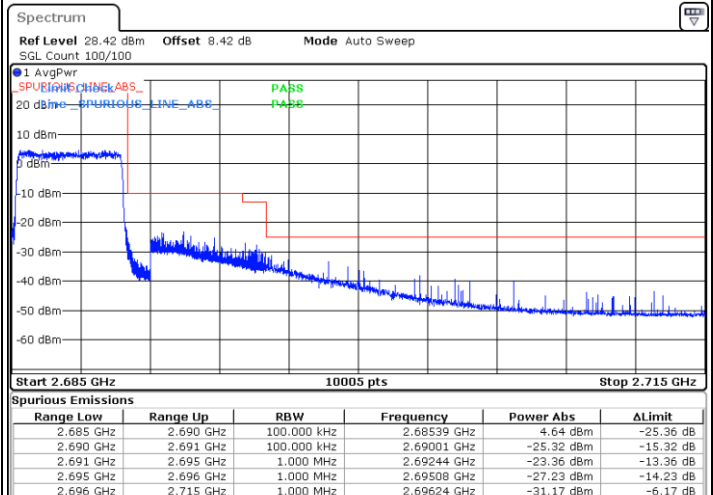
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



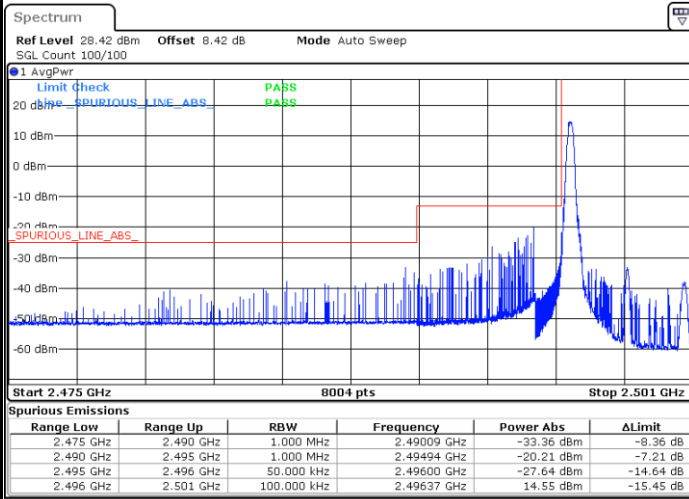
Highest Band Edge / Full RB



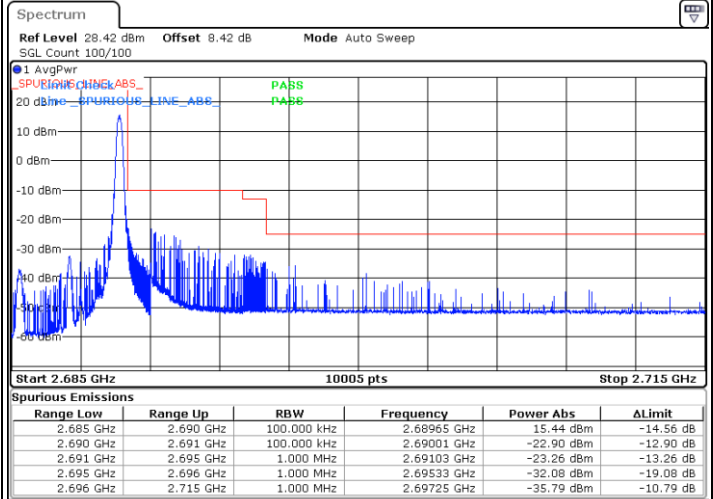


LTE Band 41 / 5MHz / 256QAM

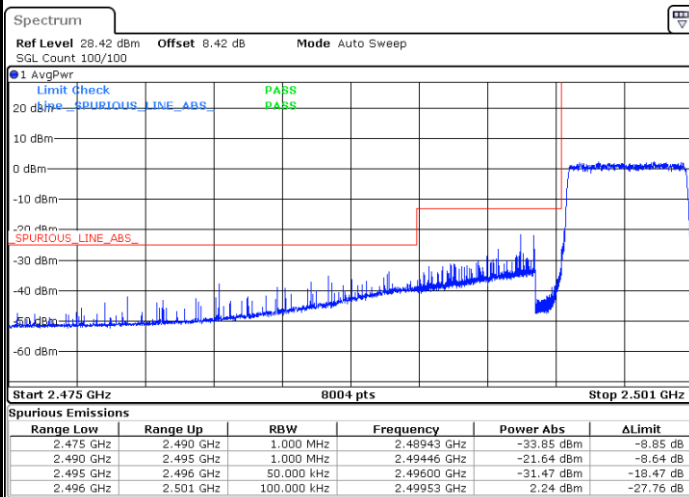
Lowest Band Edge / 1RB



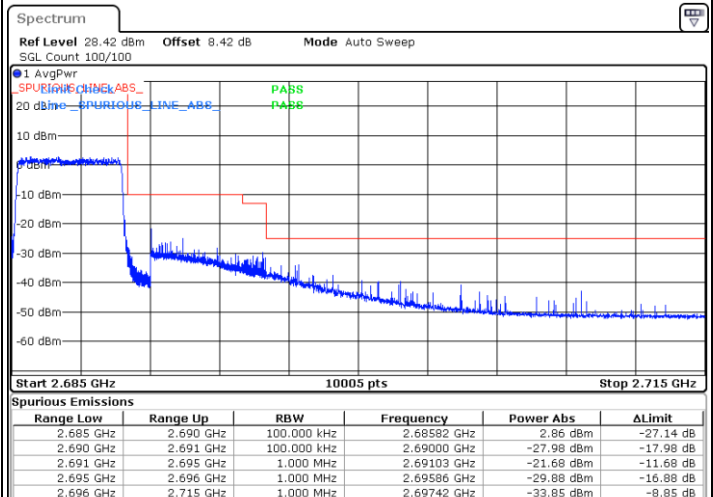
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



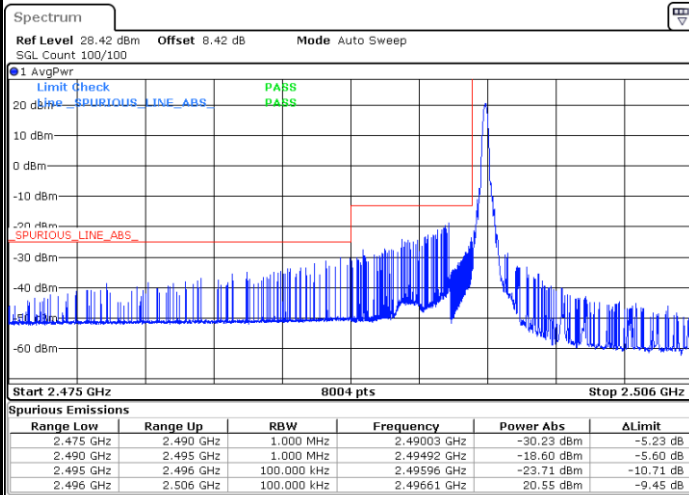
Highest Band Edge / Full RB



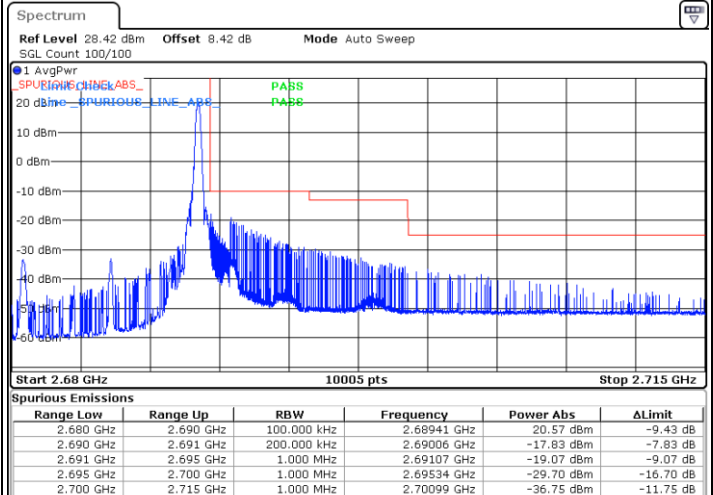


LTE Band 41 / 10MHz / QPSK

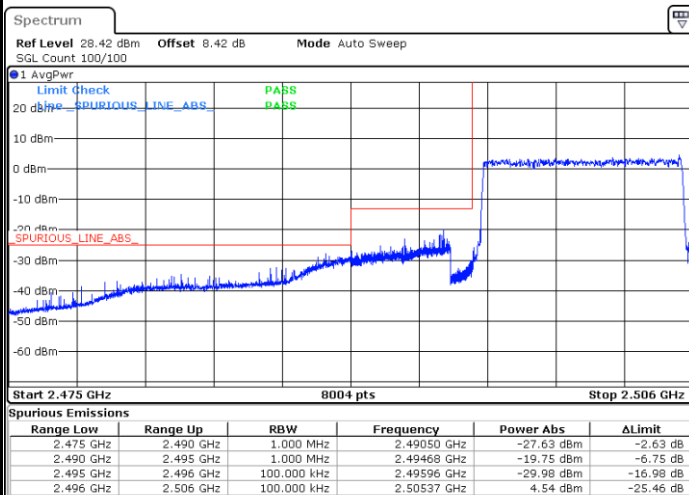
Lowest Band Edge / 1 RB



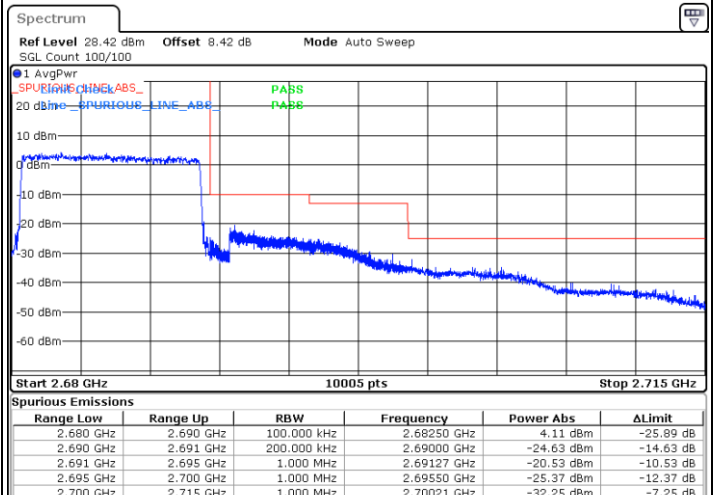
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



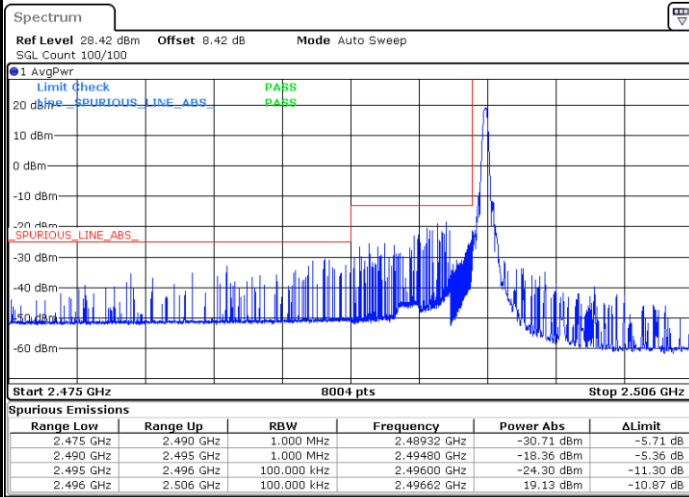
Highest Band Edge / Full RB



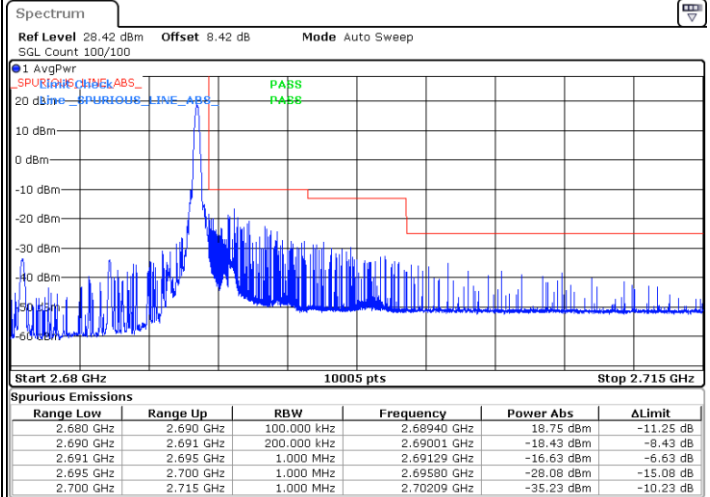


LTE Band 41 / 10MHz / 16QAM

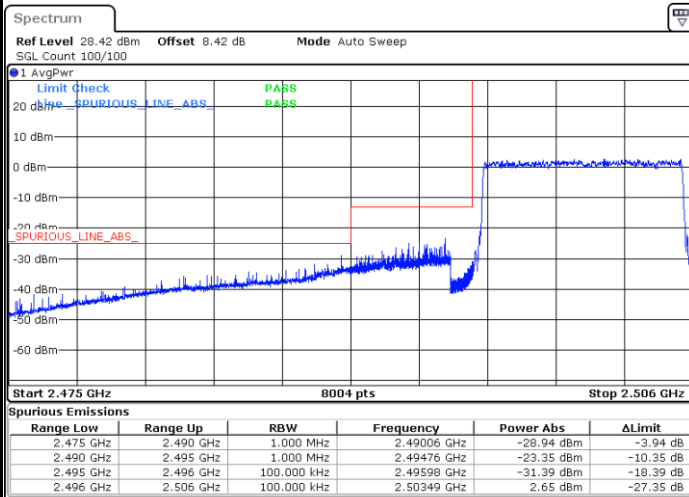
Lowest Band Edge / 1 RB



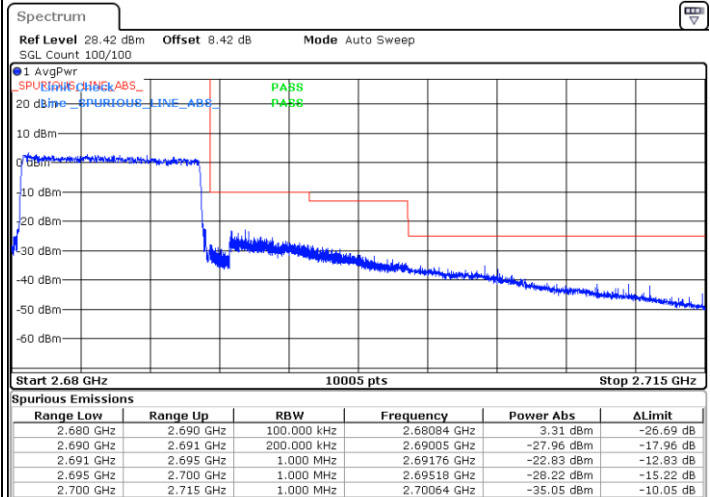
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



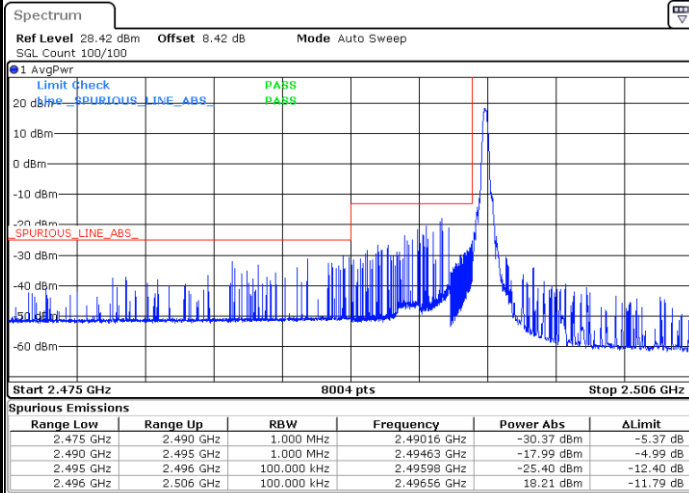
Highest Band Edge / Full RB



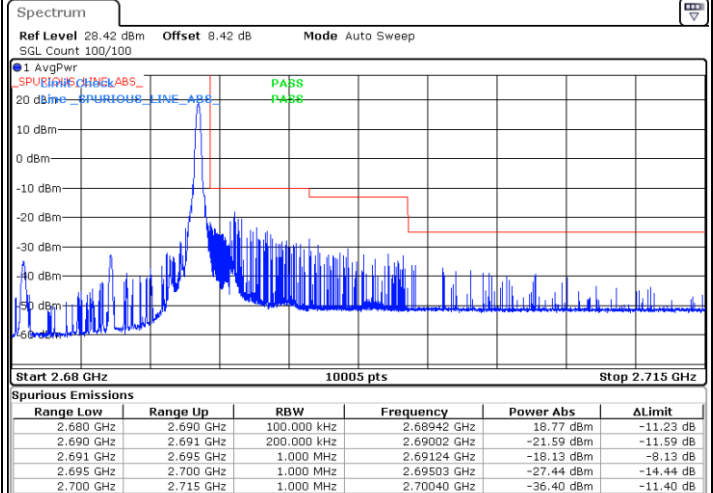


LTE Band 41 / 10MHz / 64QAM

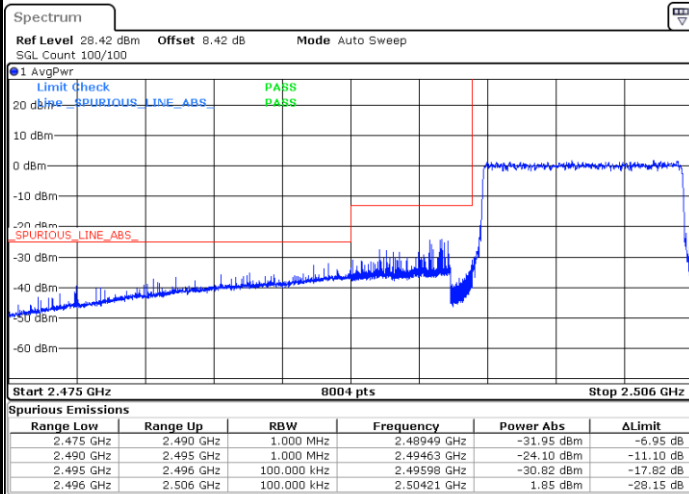
Lowest Band Edge / 1 RB



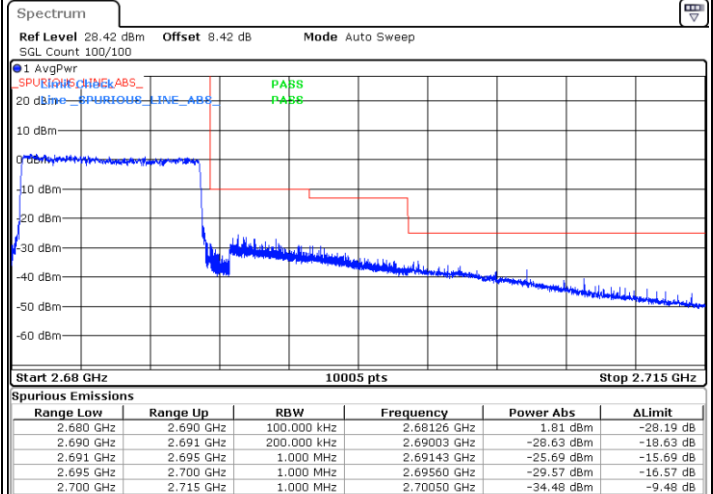
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



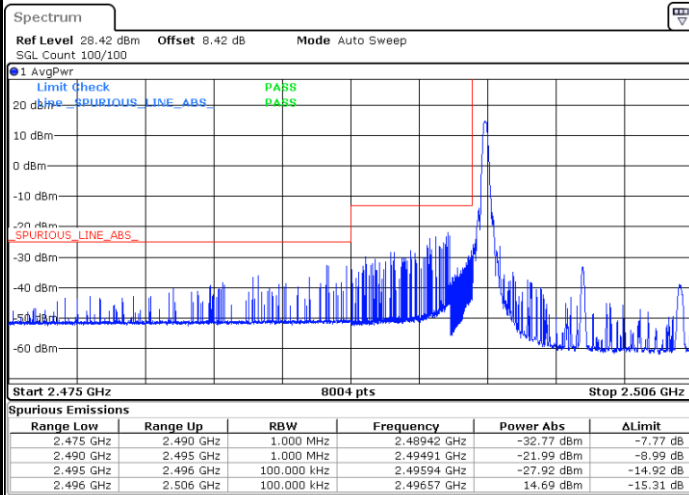
Highest Band Edge / Full RB



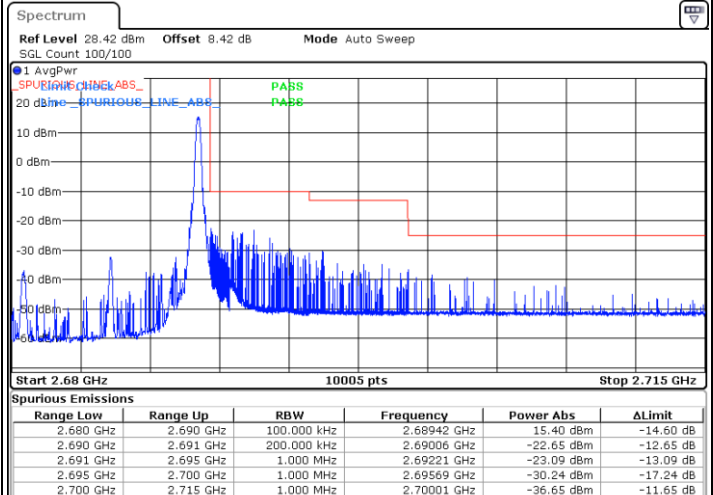


LTE Band 41 / 10MHz / 256QAM

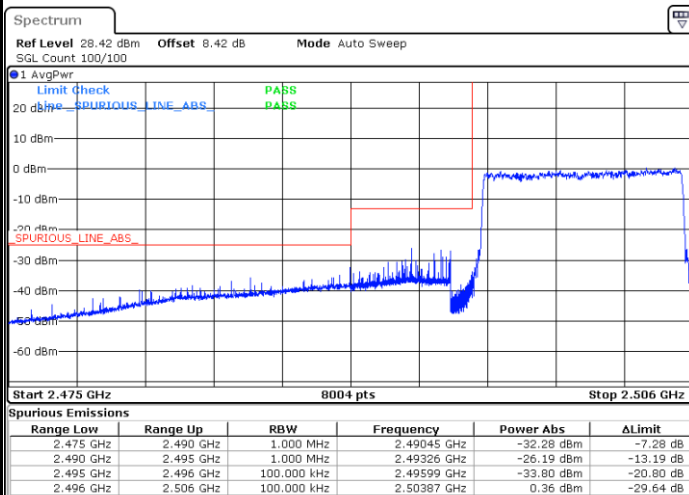
Lowest Band Edge / 1RB



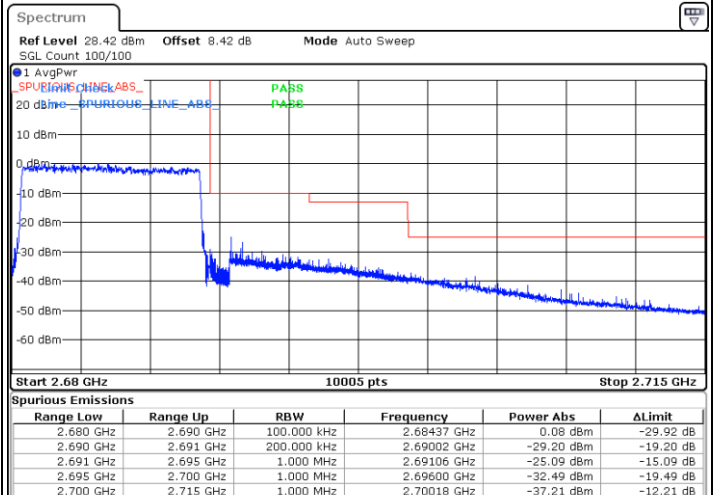
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



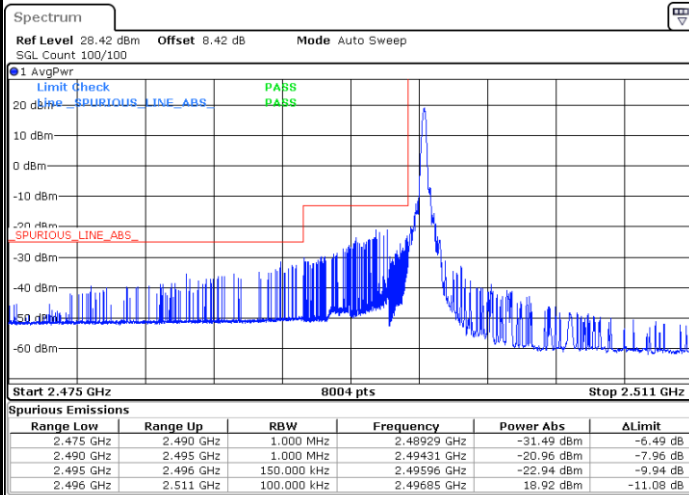
Highest Band Edge / Full RB



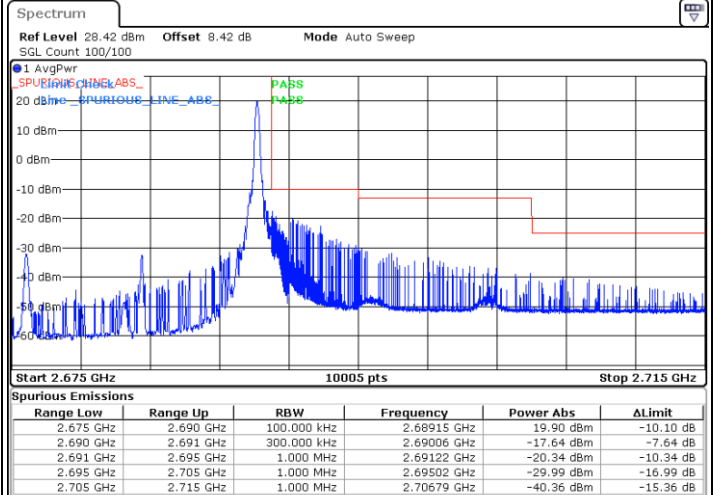


LTE Band 41 / 15MHz / QPSK

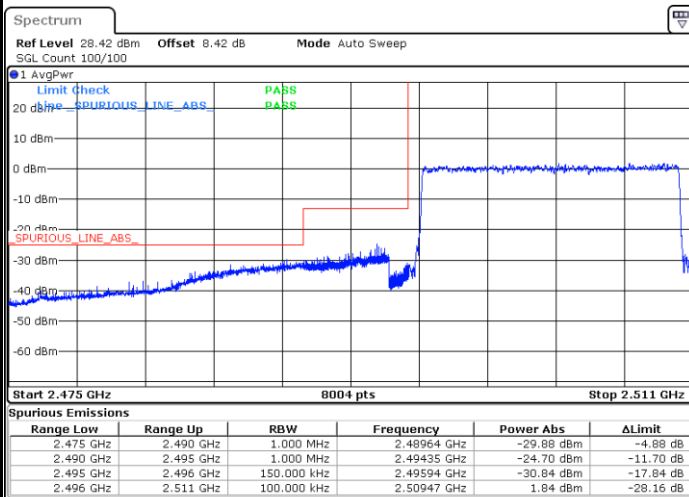
Lowest Band Edge / 1 RB



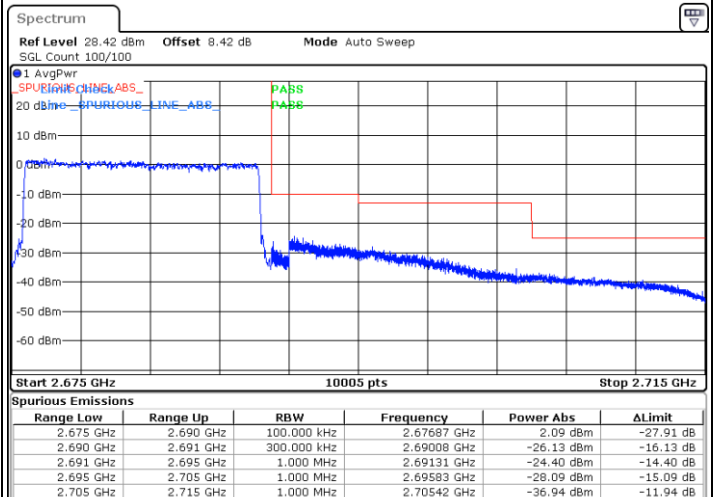
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



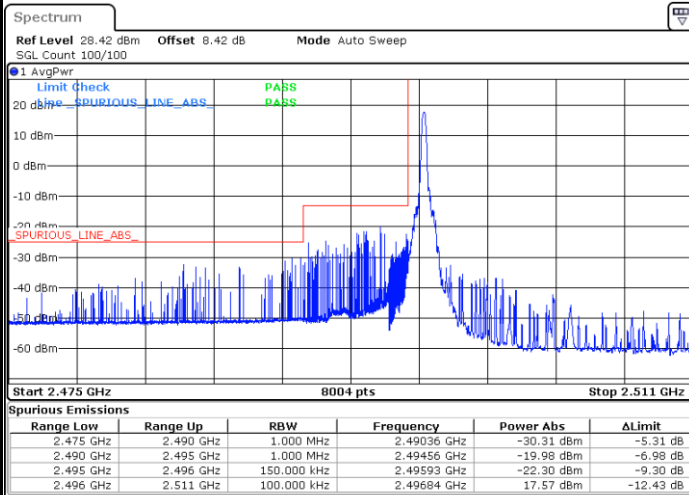
Highest Band Edge / Full RB



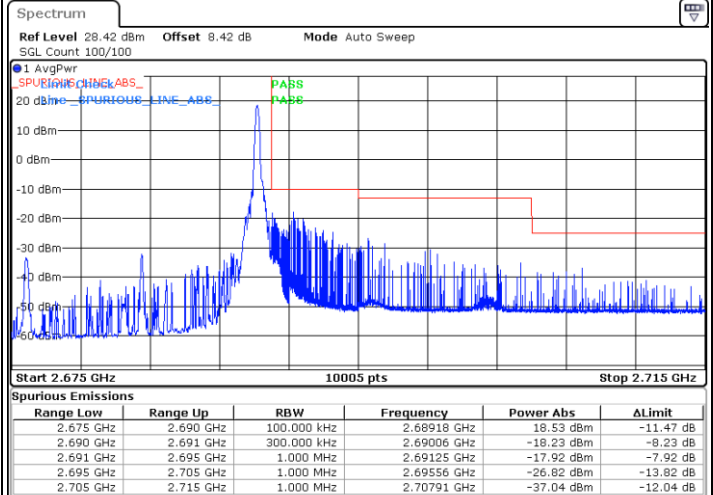


LTE Band 41 / 15MHz / 16QAM

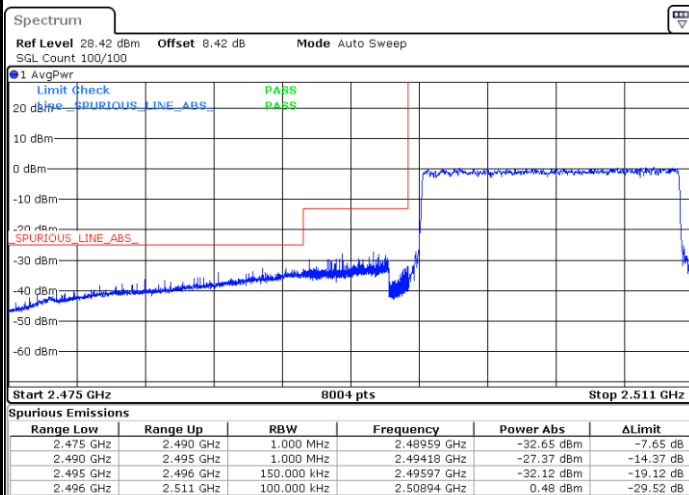
Lowest Band Edge / 1 RB



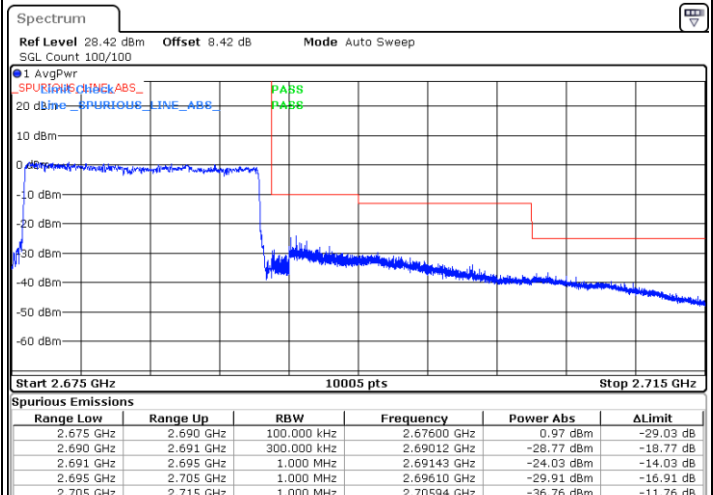
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



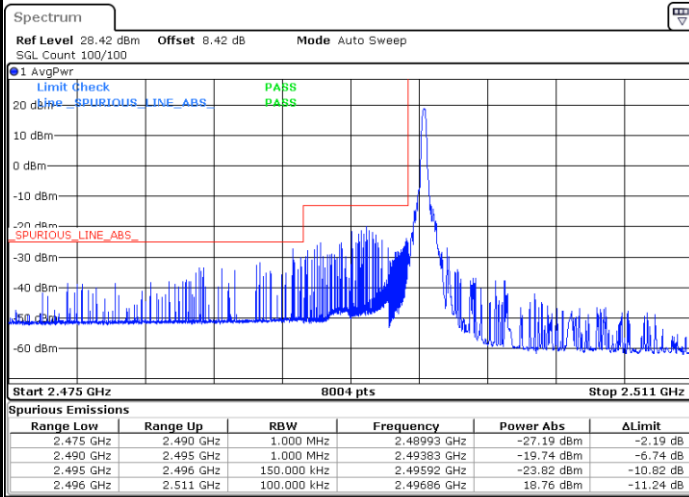
Highest Band Edge / Full RB



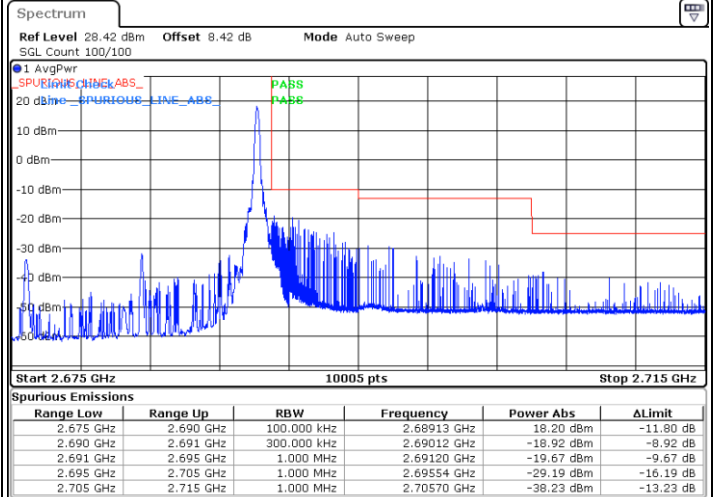


LTE Band 41 / 15MHz / 64QAM

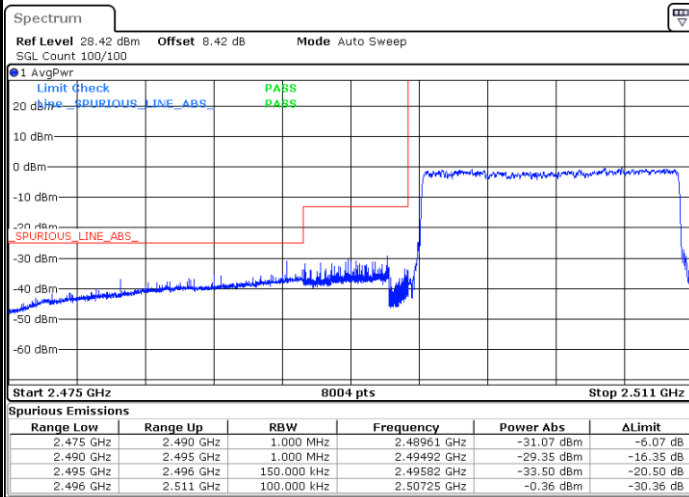
Lowest Band Edge / 1 RB



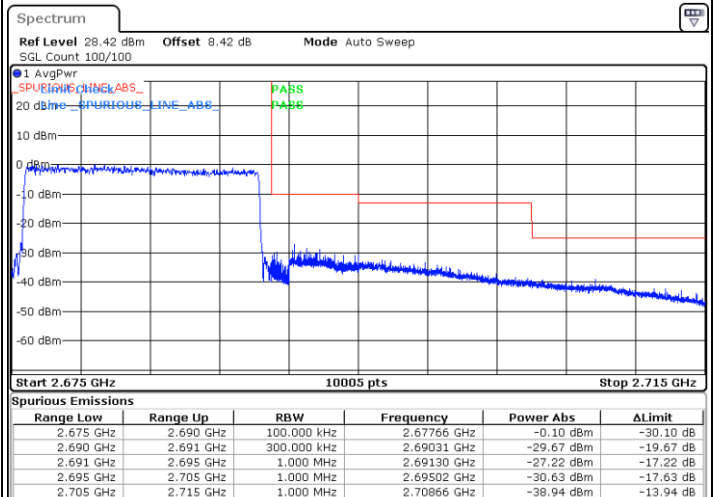
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



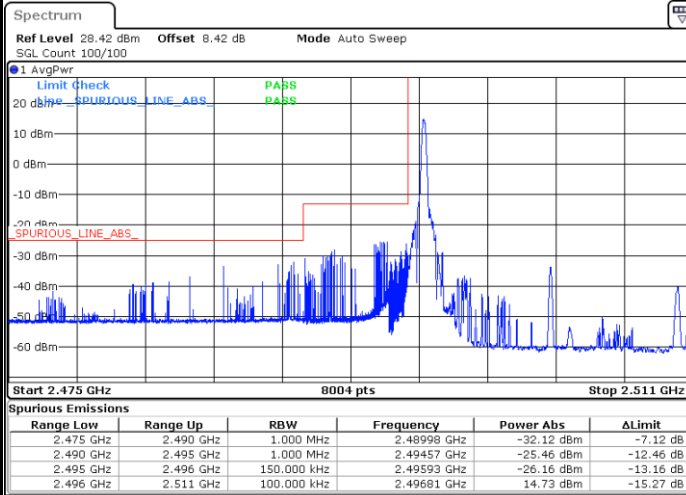
Highest Band Edge / Full RB



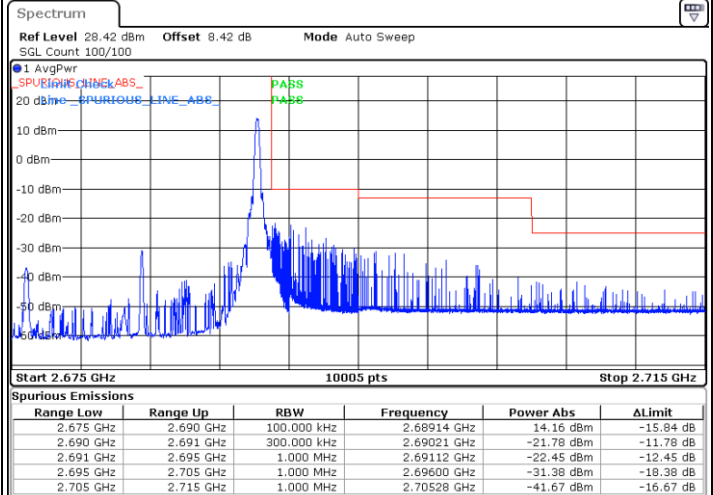


LTE Band 41 / 15MHz / 256QAM

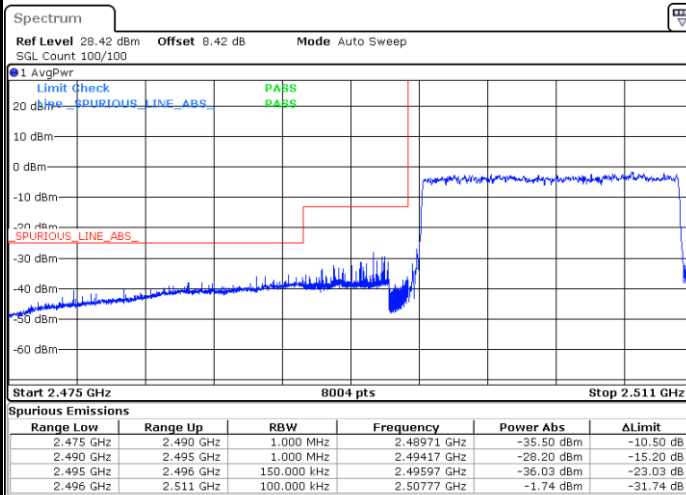
Lowest Band Edge / 1RB



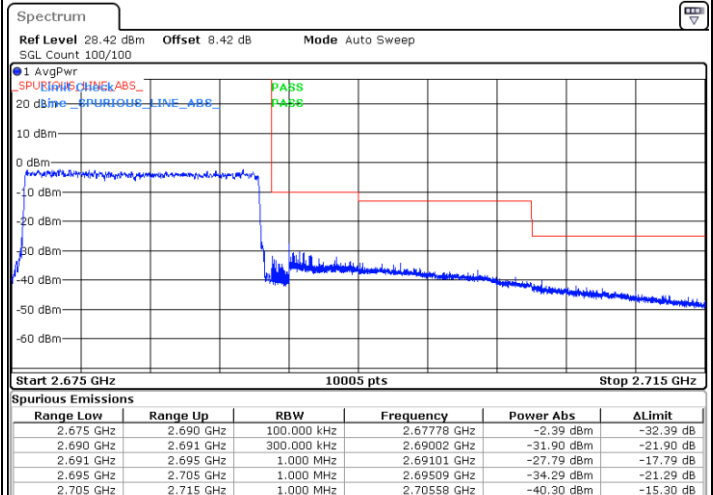
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



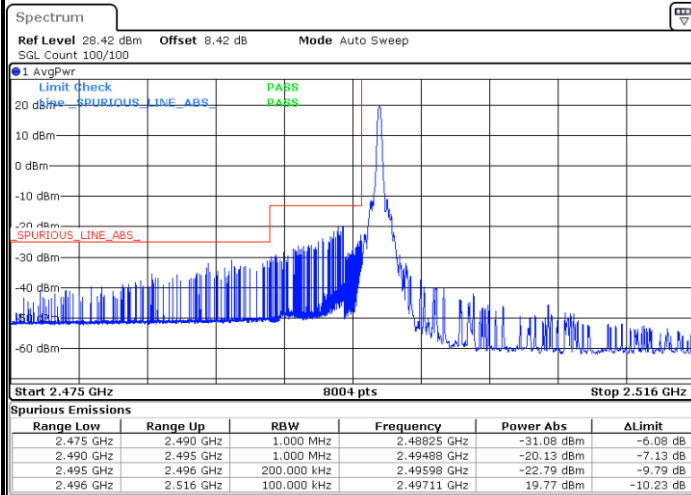
Highest Band Edge / Full RB



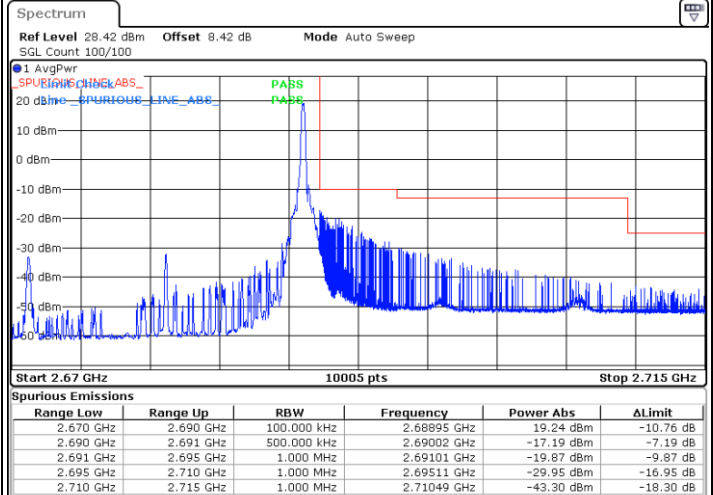


LTE Band 41 / 20MHz / QPSK

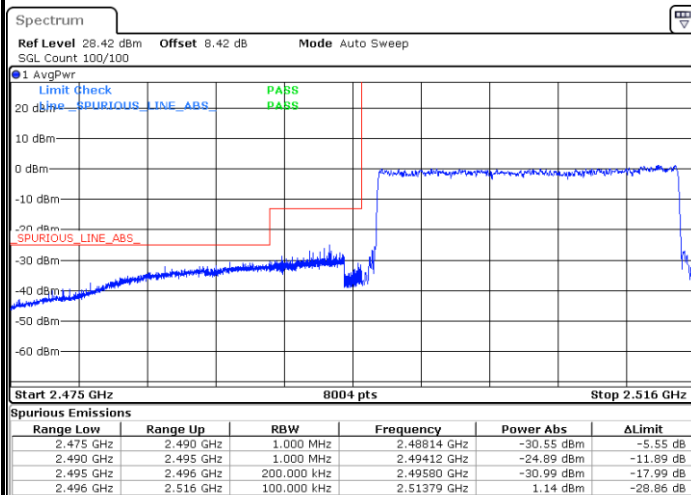
Lowest Band Edge / 1 RB



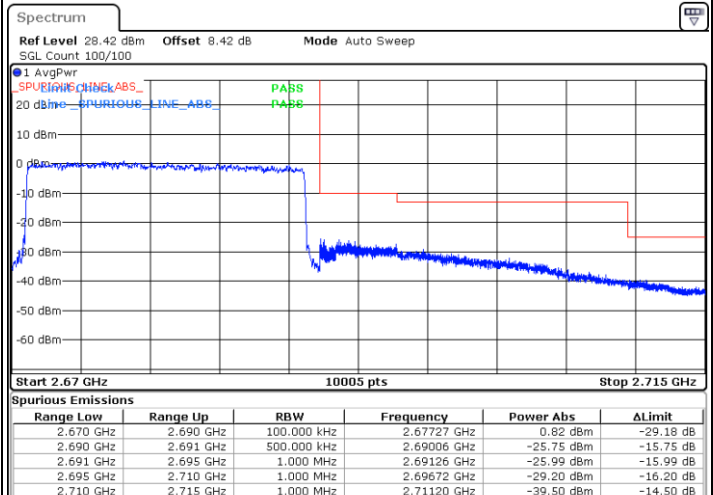
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



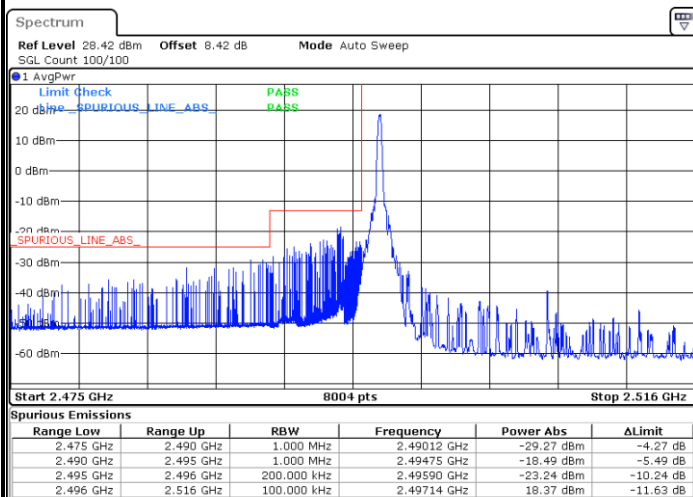
Highest Band Edge / Full RB



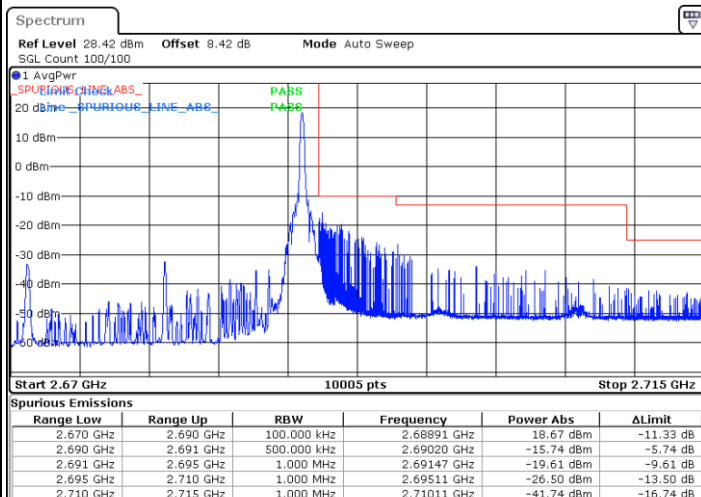


LTE Band 41 / 20MHz / 16QAM

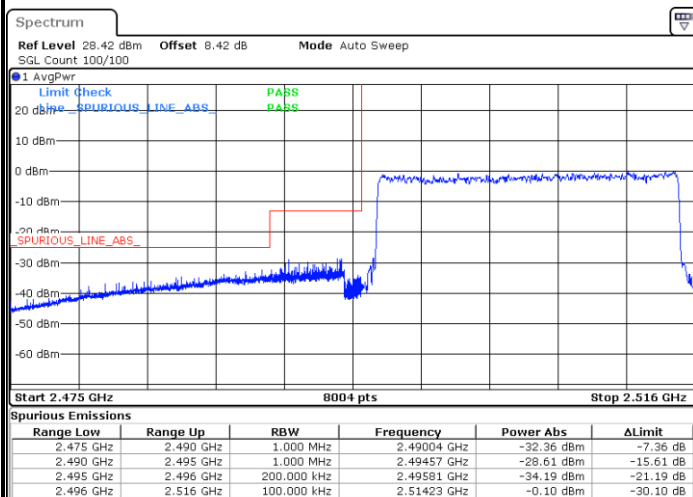
Lowest Band Edge / 1 RB



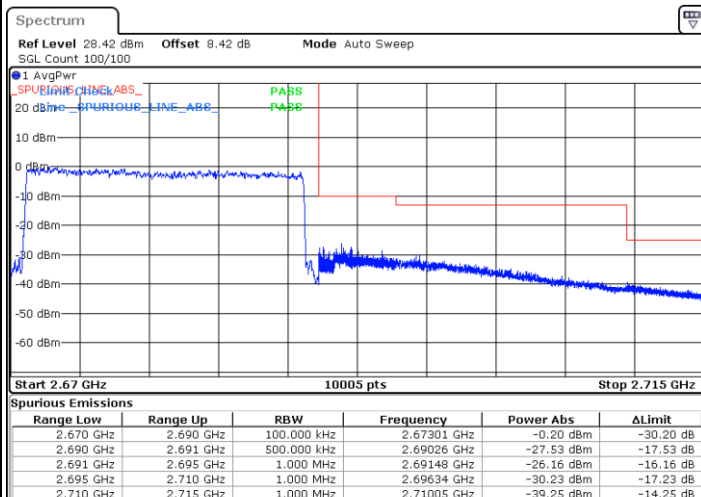
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



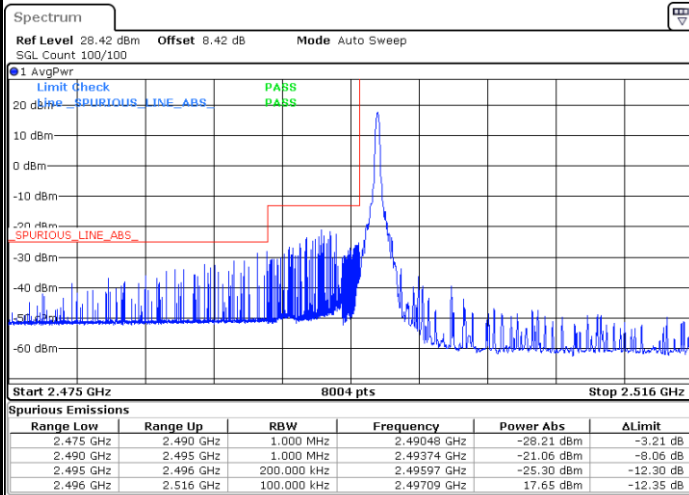
Highest Band Edge / Full RB



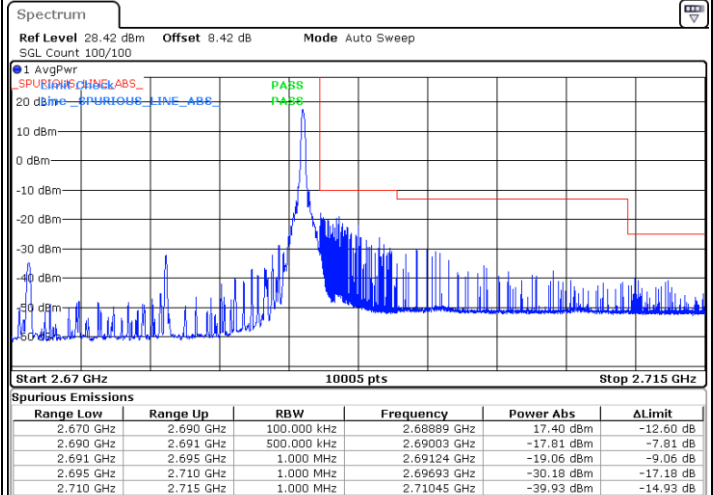


LTE Band 41 / 20MHz / 64QAM

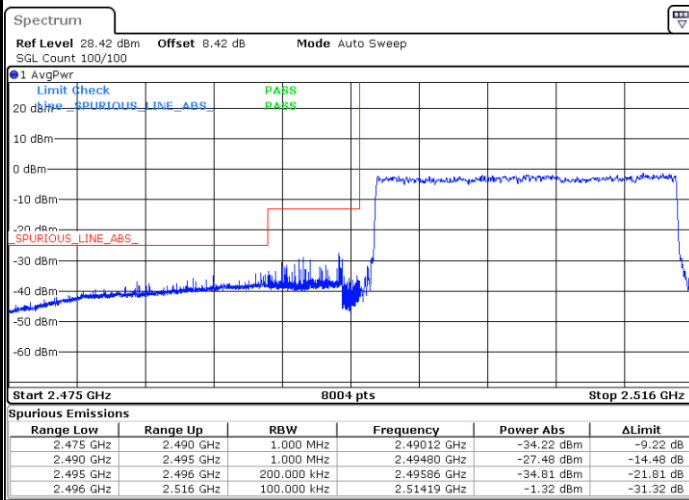
Lowest Band Edge / 1 RB



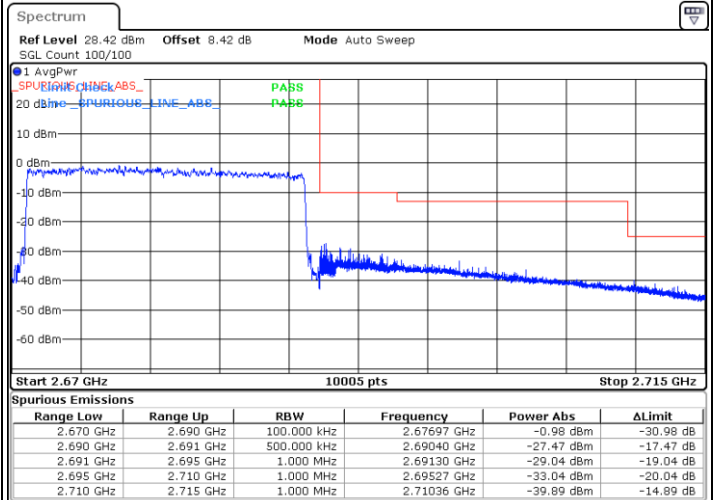
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



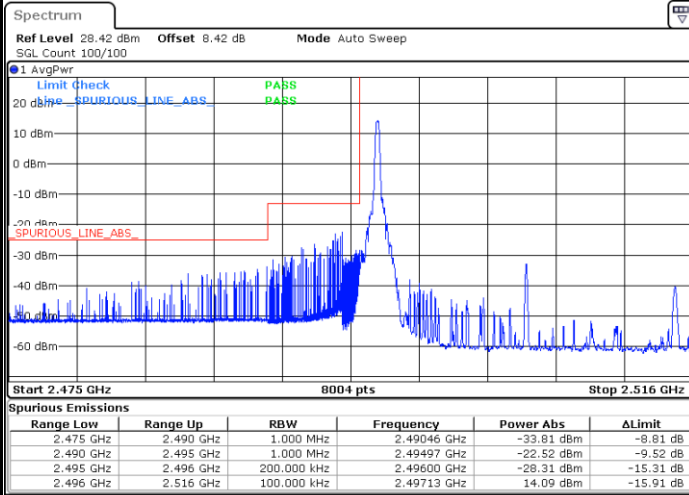
Highest Band Edge / Full RB



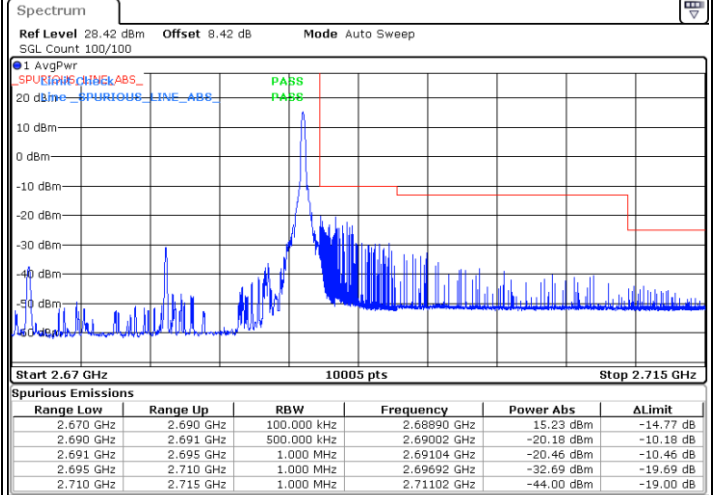


LTE Band 41 / 20MHz / 256QAM

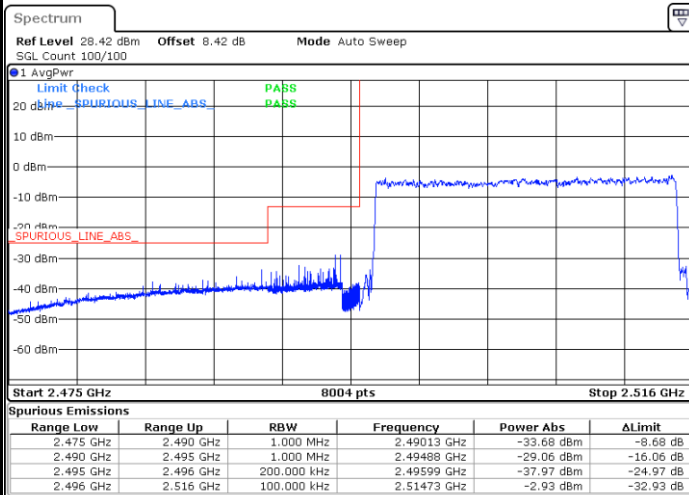
Lowest Band Edge / 1RB



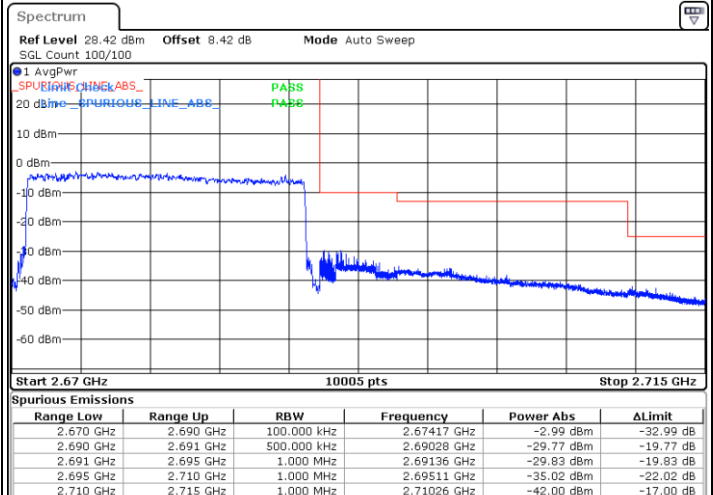
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



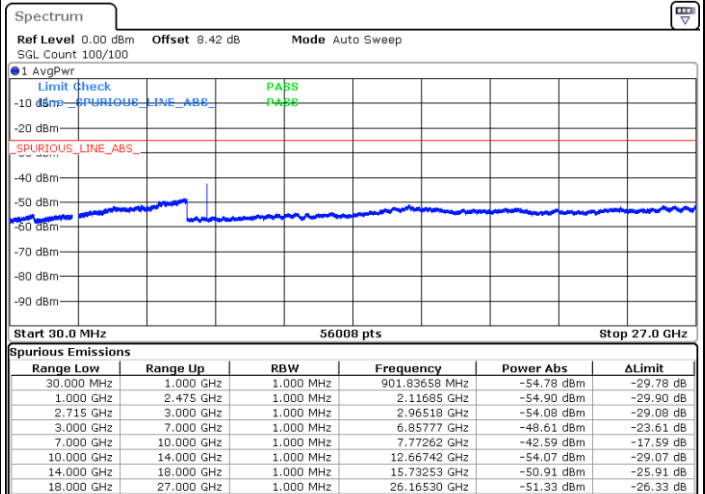
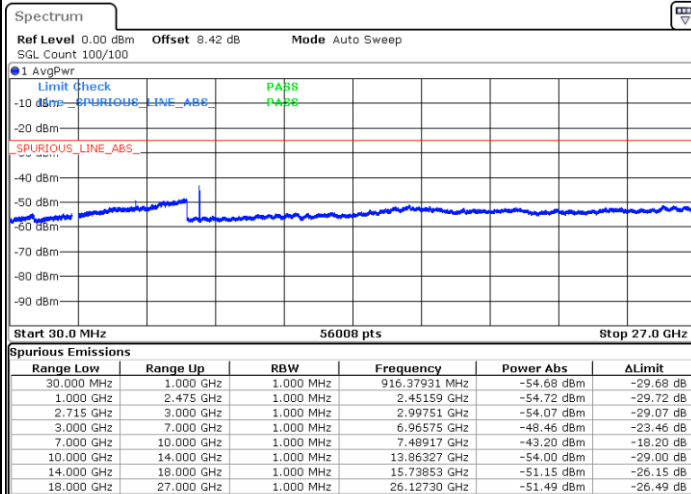


Conducted Spurious Emission

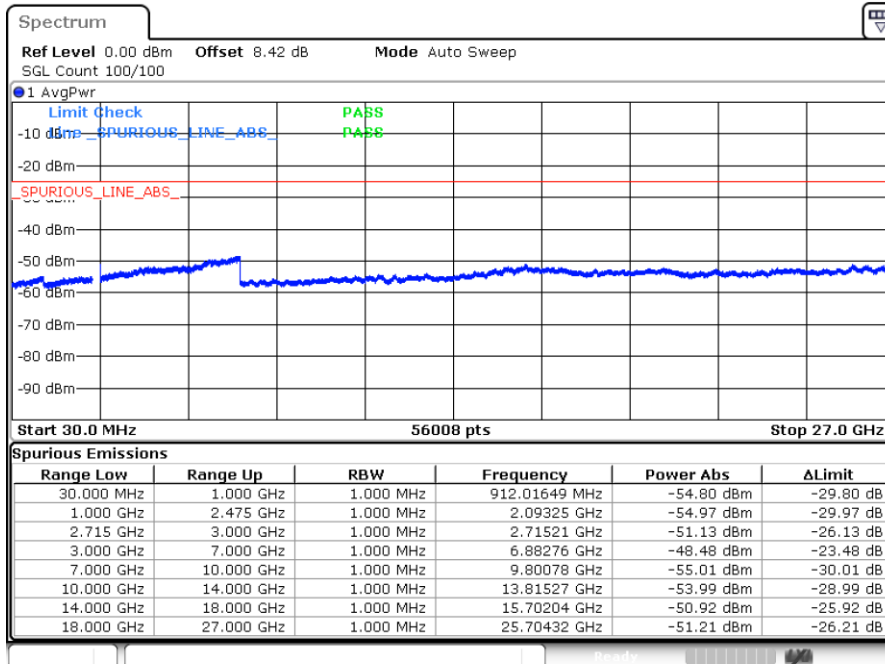
LTE Band 41 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

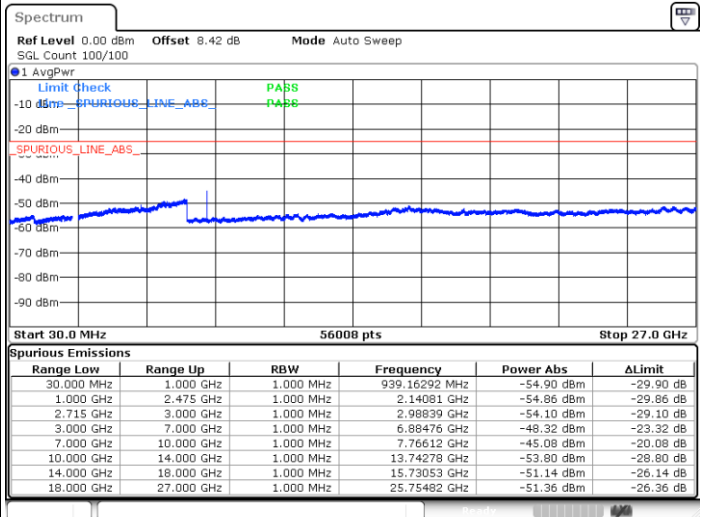
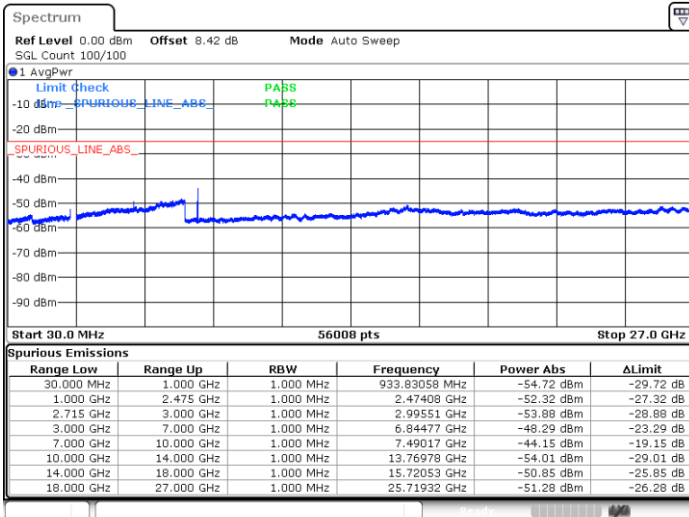




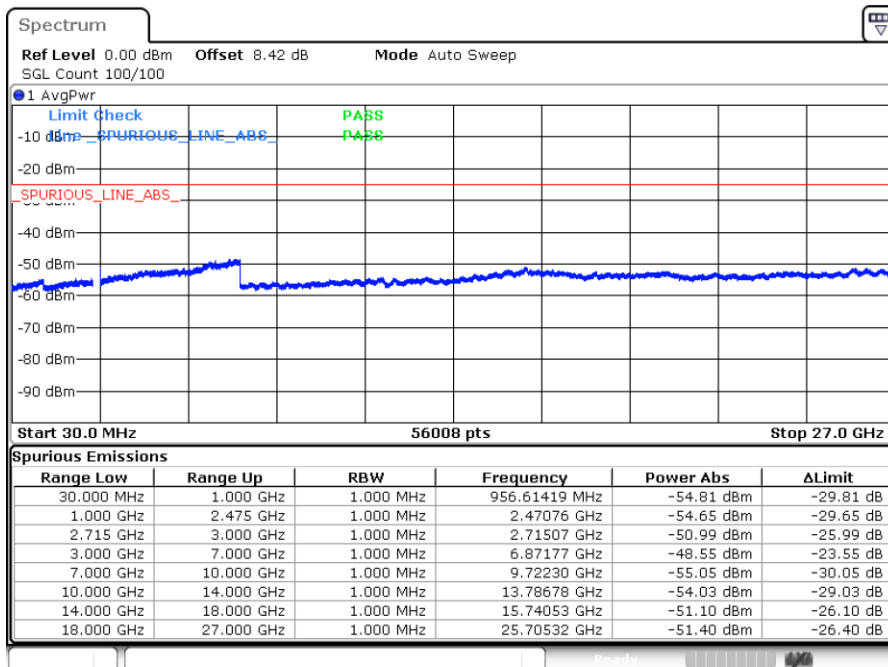
LTE Band 41 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

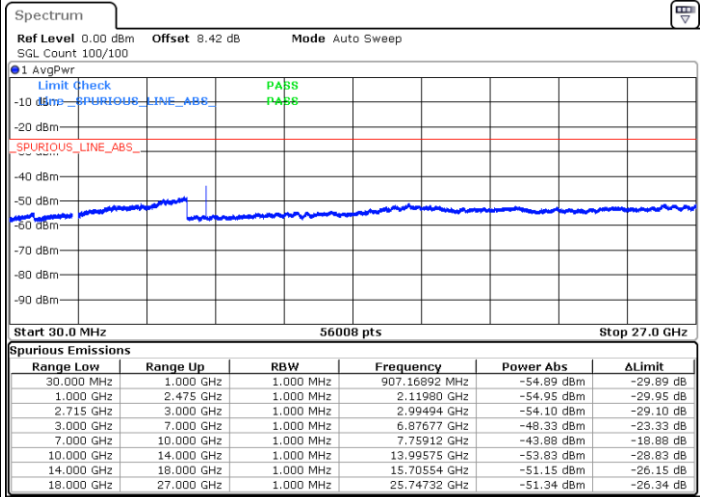
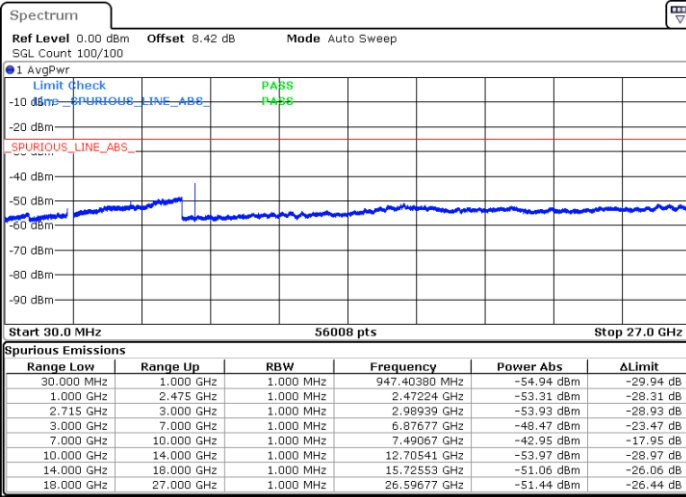




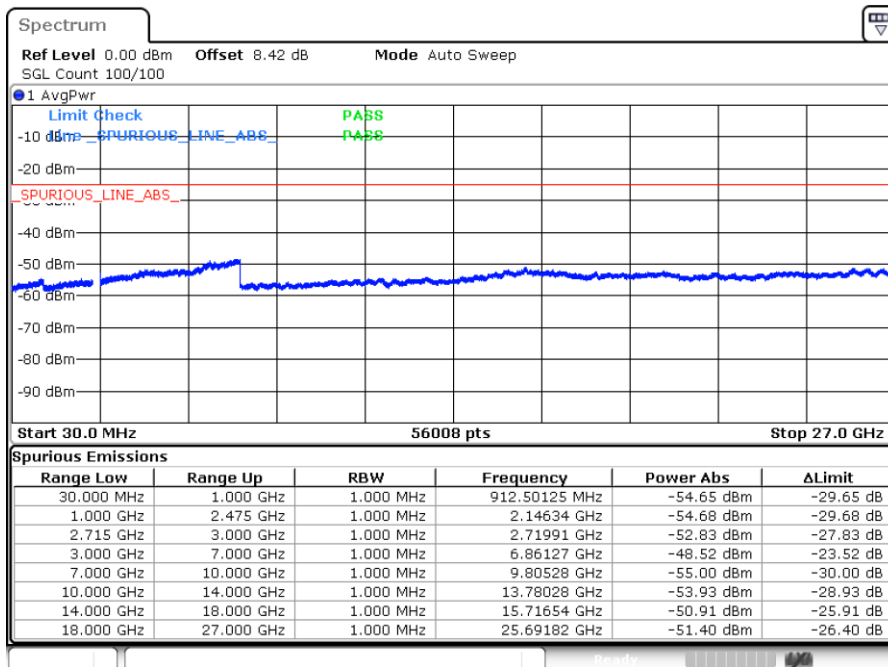
LTE Band 41 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

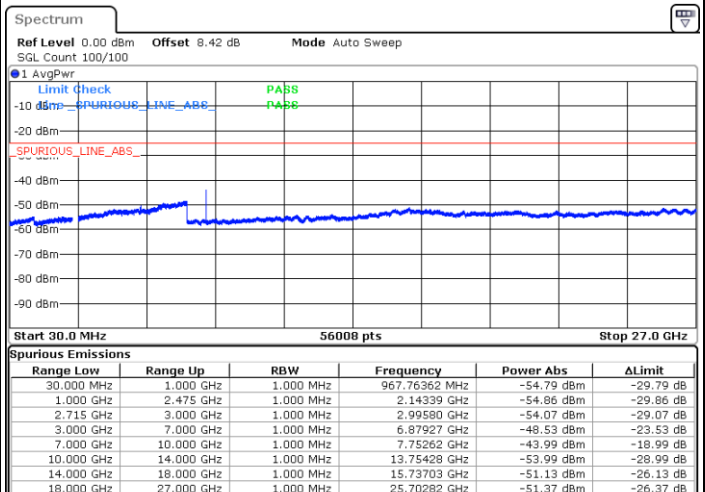
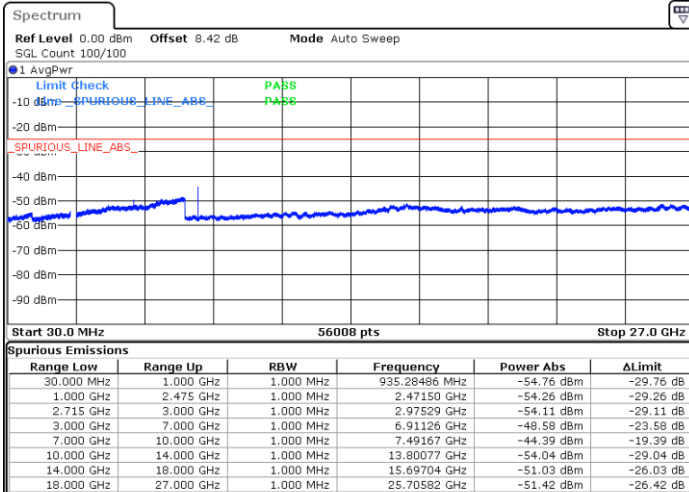




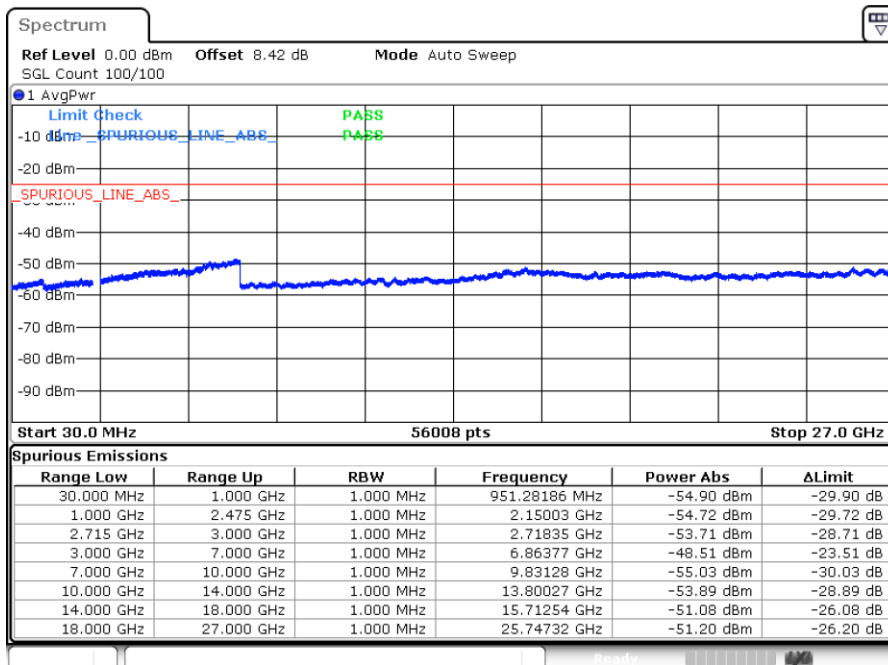
LTE Band 41 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK



**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	0.0029	PASS
40	Normal Voltage	0.0041	
30	Normal Voltage	0.0054	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0068	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0061	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0026	
20	Battery End Point	0.0037	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

RSE pretest all the supported antennas, only the worst antenna perform final test and record in the report.

LTE Band 7 / 20MHz / QPSK / Ant.6								
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	5050	-46.89	-25	-21.89	-57.10	3.03	13.24	H
	7584	-54.87	-25	-29.87	-64.32	3.56	13.01	H
	10104	-59.45	-25	-34.45	-68.97	3.92	13.44	H
	5050	-42.14	-25	-17.14	-52.35	3.03	13.24	V
	7584	-52.69	-25	-27.69	-62.14	3.56	13.01	V
	10104	-59.62	-25	-34.62	-69.14	3.92	13.44	V

LTE Band 12 / 10MHz / QPSK / Ant.0								
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)
Lowest	1400	-67.08	-13	-54.08	-74.05	1.58	10.70	H
	2096	-63.09	-13	-50.09	-71.34	2.102	12.50	H
	2800	-59.81	-13	-46.81	-68.70	2.856	13.90	H
	1400	-67.15	-13	-54.15	-74.12	1.58	10.70	V
	2096	-62.28	-13	-49.28	-70.53	2.10	12.50	V
	2800	-59.12	-13	-46.12	-68.01	2.86	13.90	V
Middle	1408	-68.00	-13	-55.00	-74.97	1.58	10.70	H
	2112	-63.37	-13	-50.37	-71.62	2.102	12.50	H
	2816	-60.80	-13	-47.80	-69.69	2.856	13.90	H
	1408	-67.54	-13	-54.54	-74.51	1.58	10.70	V
	2112	-62.32	-13	-49.32	-70.57	2.10	12.50	V
	2816	-60.00	-13	-47.00	-68.89	2.86	13.90	V
Highest	1416	-67.64	-13	-54.64	-74.61	1.58	10.70	H
	2120	-62.81	-13	-49.81	-71.06	2.102	12.50	H
	2824	-60.28	-13	-47.28	-69.17	2.856	13.90	H
	1416	-66.78	-13	-53.78	-73.75	1.58	10.70	V
	2120	-61.74	-13	-48.74	-69.99	2.10	12.50	V
	2824	-59.73	-13	-46.73	-68.62	2.86	13.90	V



LTE Band 41 / 20MHz / QPSK / Ant.6								
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	5162	-36.32	-25	-11.32	-46.53	3.03	13.24	H
	7752	-46.76	-25	-21.76	-56.21	3.56	13.01	H
	10342	-58.09	-25	-33.09	-67.61	3.92	13.44	H
	5162	-38.95	-25	-13.95	-49.16	3.03	13.24	V
	7752	-46.89	-25	-21.89	-56.34	3.56	13.01	V
	10342	-58.22	-25	-33.22	-67.74	3.92	13.44	V

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