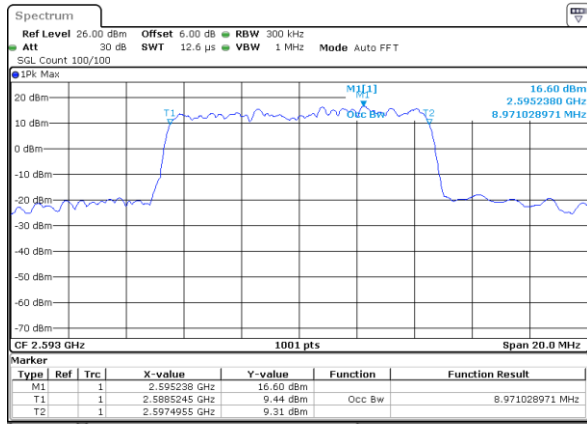


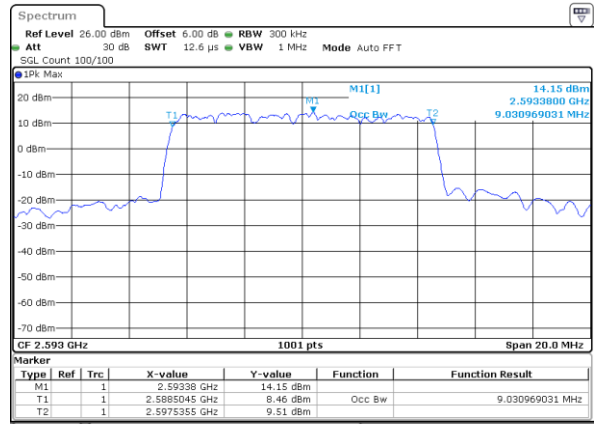


LTE Band 41

Middle Channel / 10MHz / QPSK

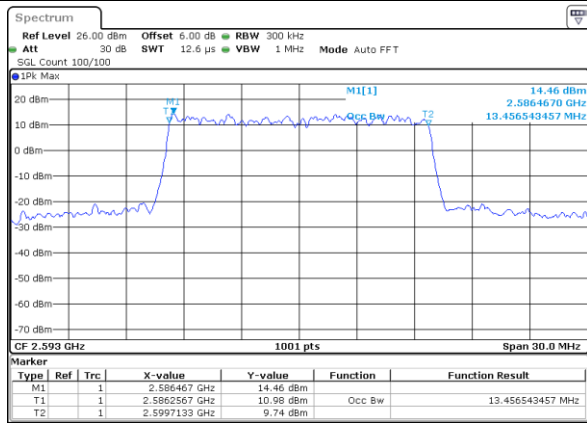


Middle Channel / 10MHz / 16QAM

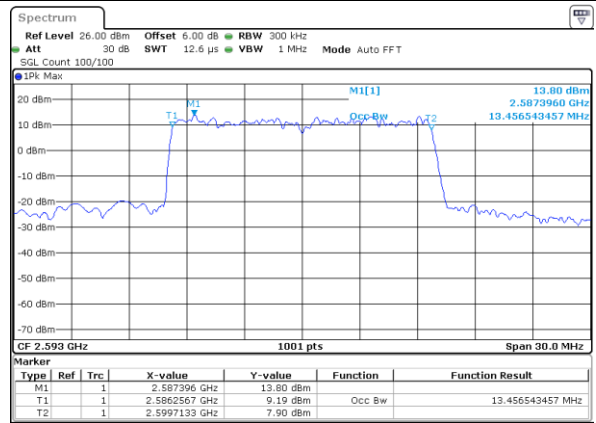


LTE Band 41

Middle Channel / 15MHz / QPSK

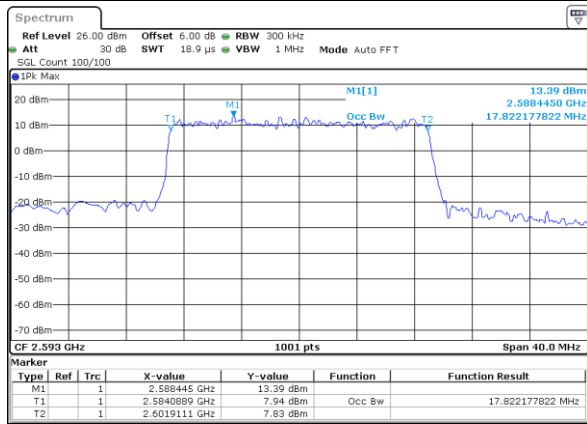


Middle Channel / 15MHz / 16QAM

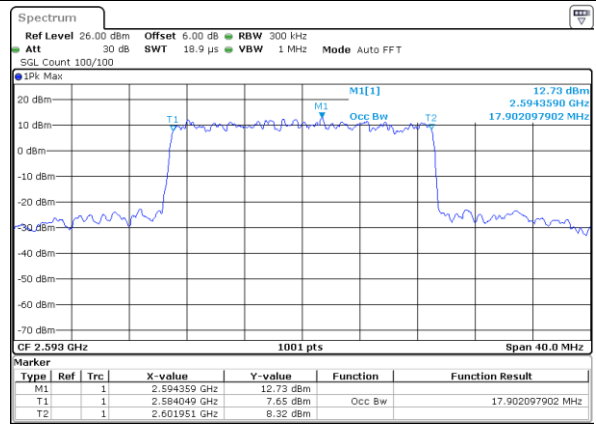


LTE Band 41

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

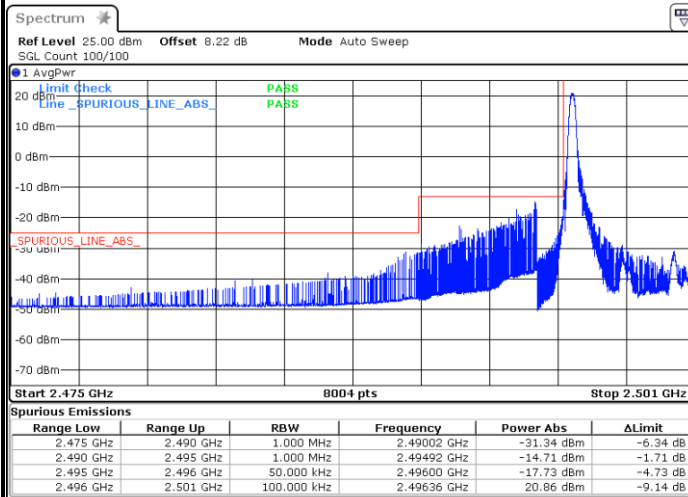




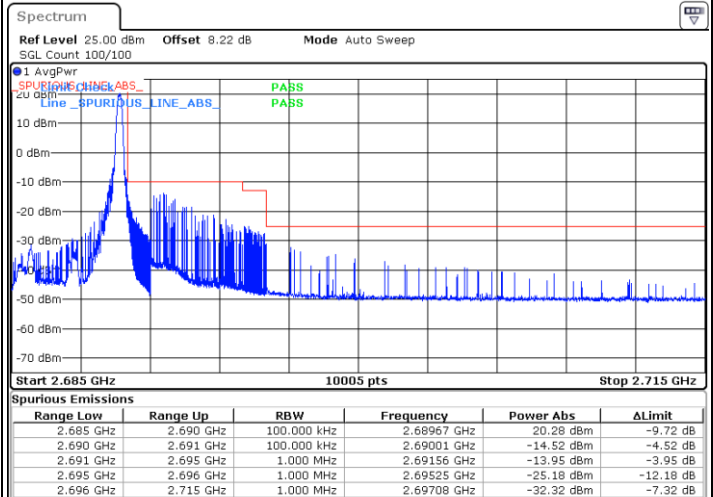
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

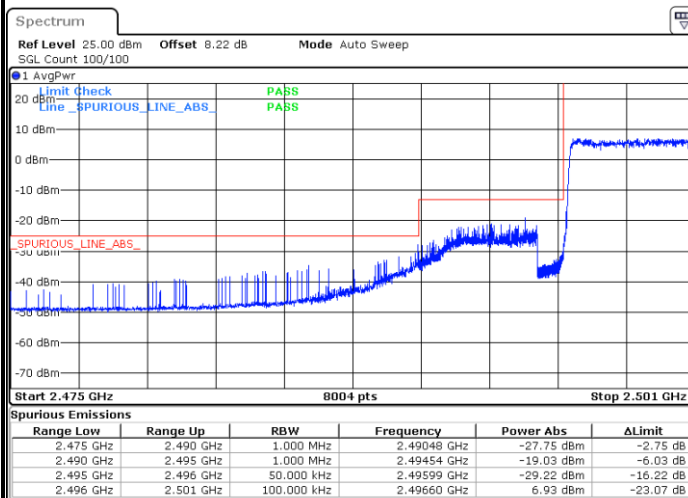
Lowest Band Edge / 1 RB



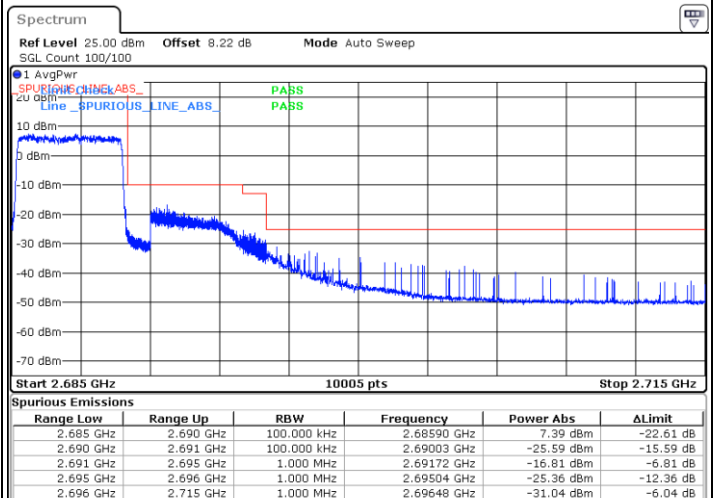
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



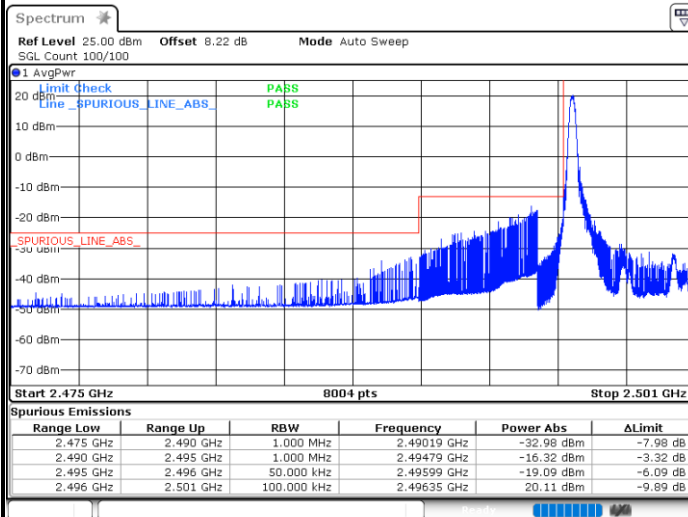
Highest Band Edge / Full RB



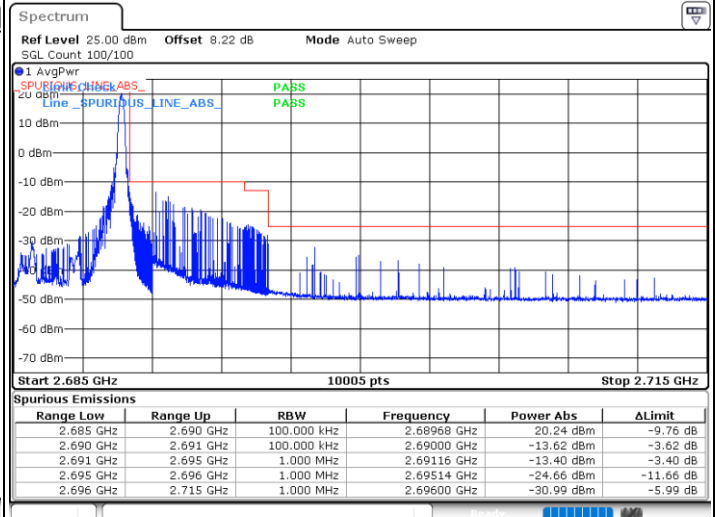


LTE Band 41 / 5MHz / 16QAM

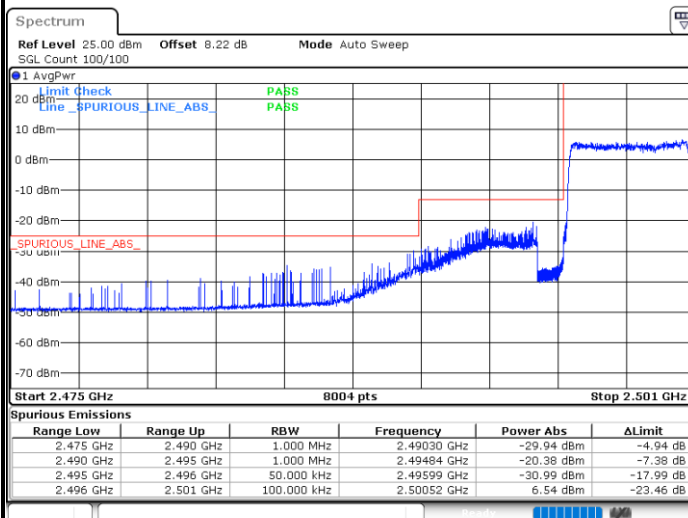
Lowest Band Edge / 1RB



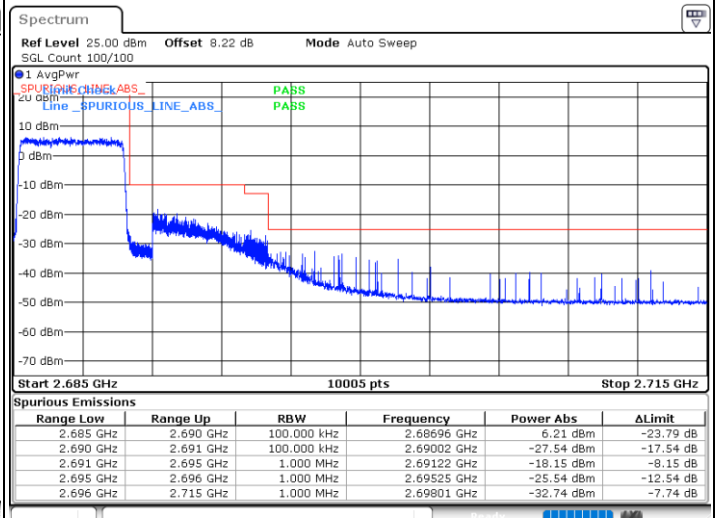
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



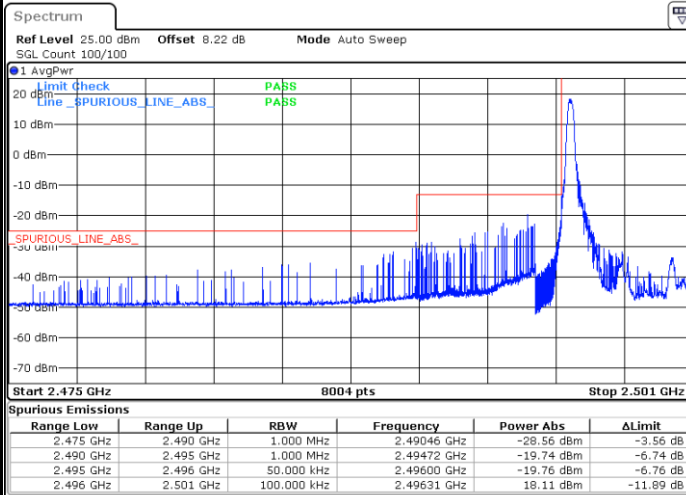
Highest Band Edge / Full RB



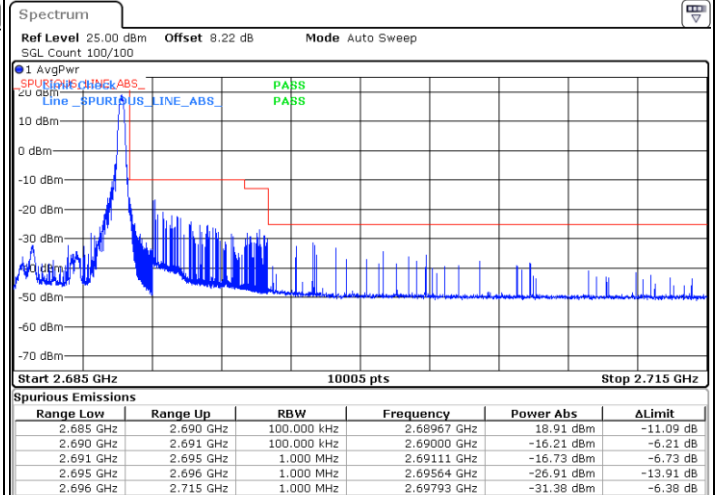


LTE Band 41 / 5MHz / 64QAM

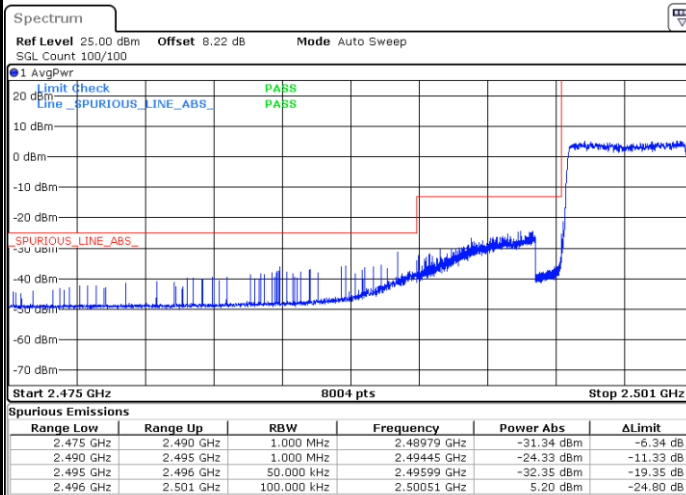
Lowest Band Edge / 1RB



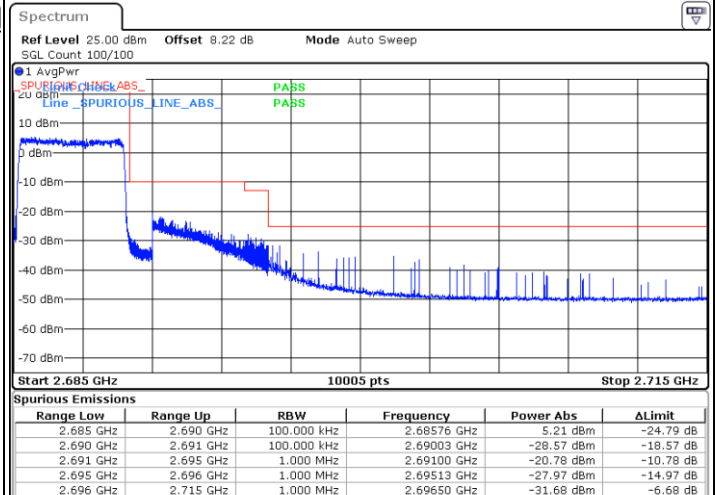
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



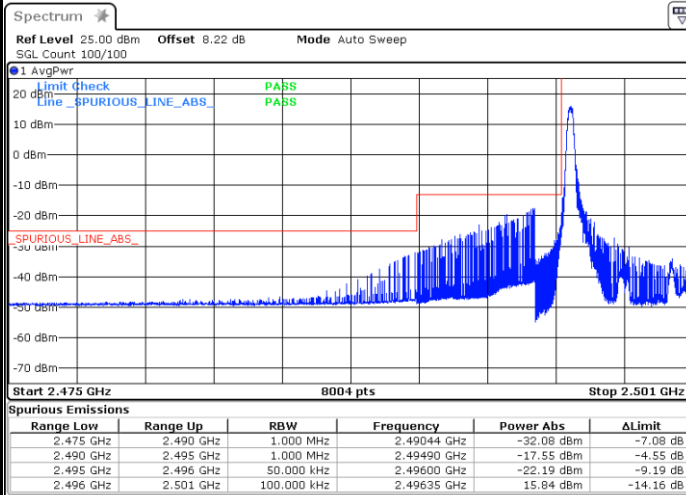
Highest Band Edge / Full RB



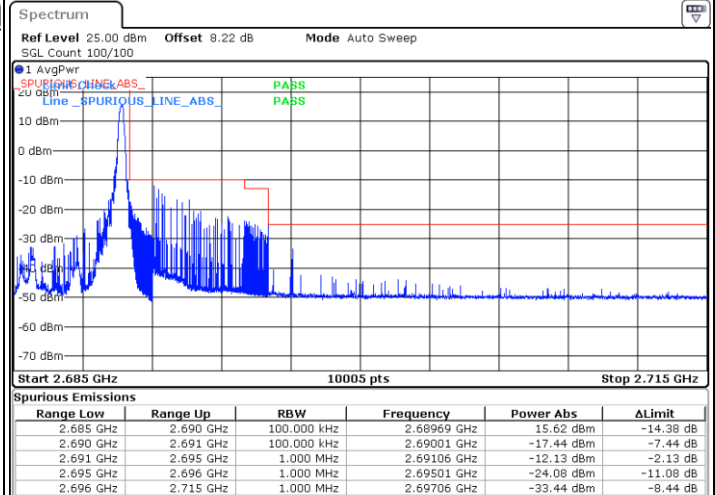


LTE Band 41 / 5MHz / 256QAM

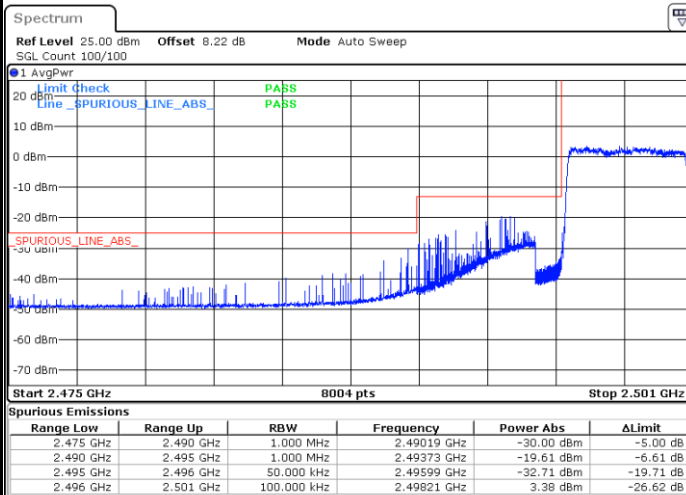
Lowest Band Edge / 1RB



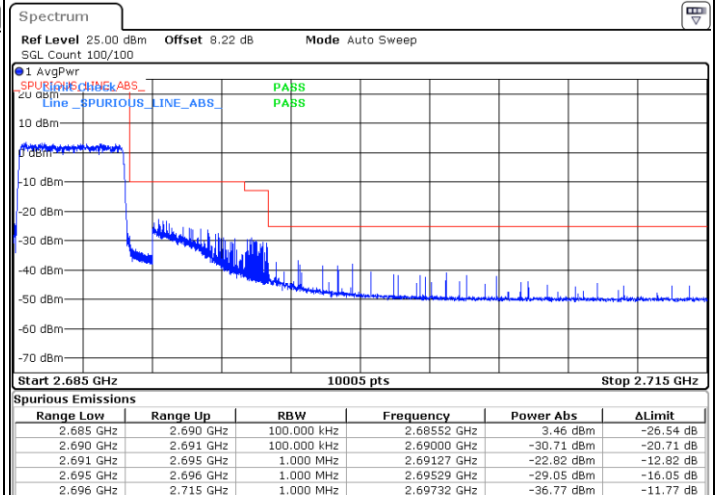
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



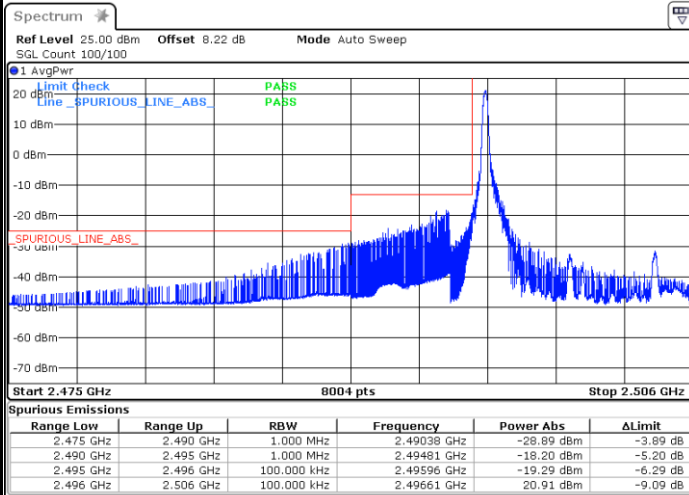
Highest Band Edge / Full RB



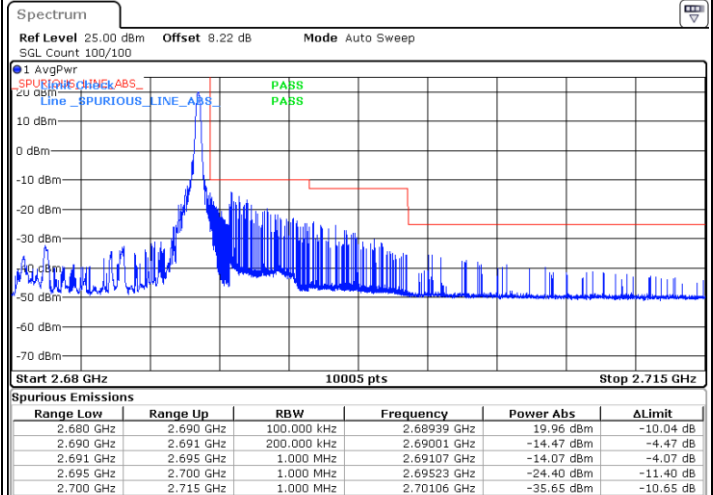


LTE Band 41 / 10MHz / QPSK

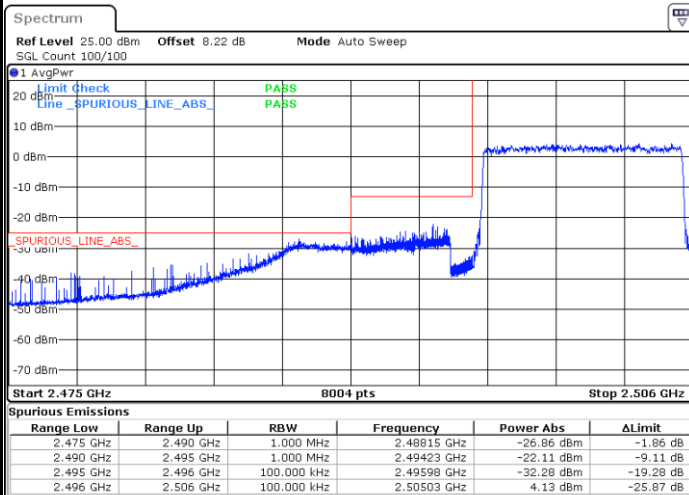
Lowest Band Edge / 1 RB



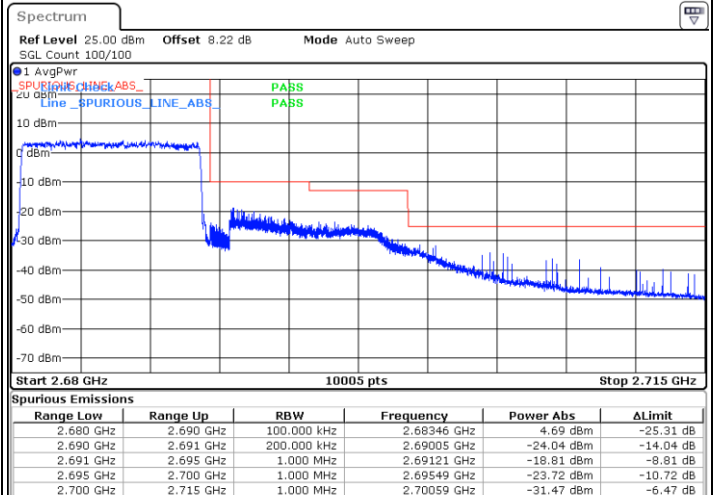
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



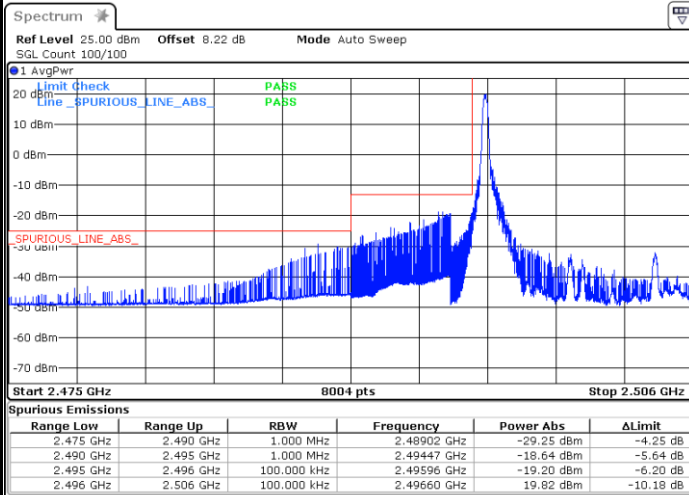
Highest Band Edge / Full RB



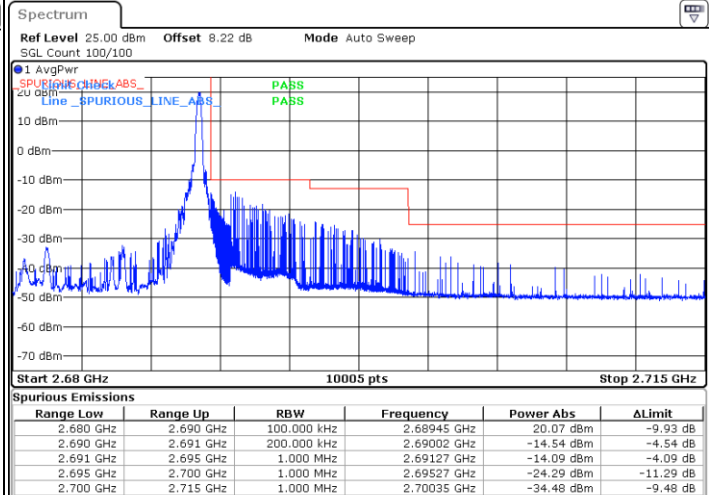


LTE Band 41 / 10MHz / 16QAM

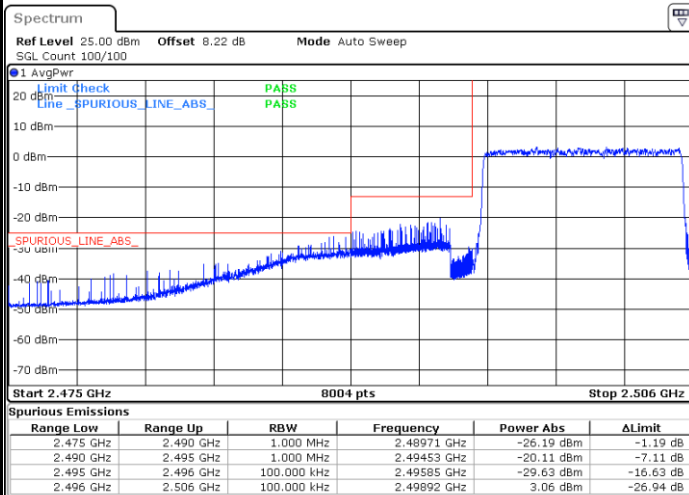
Lowest Band Edge / 1 RB



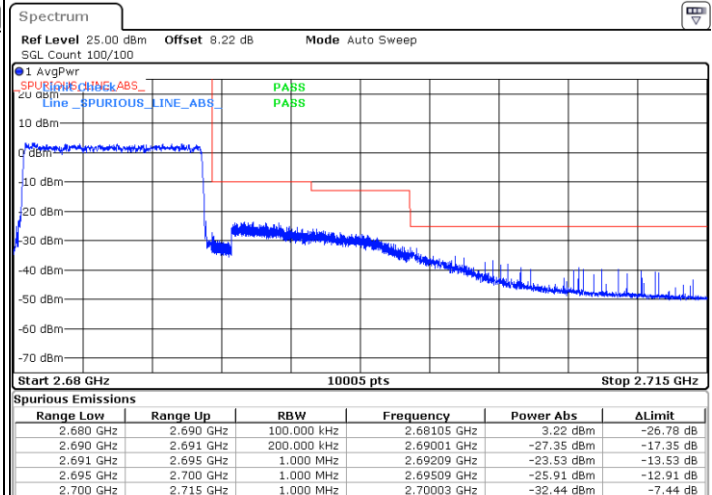
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



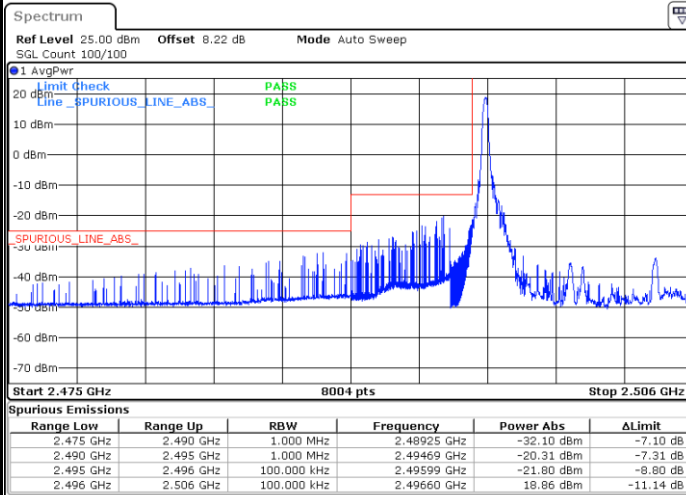
Highest Band Edge / Full RB



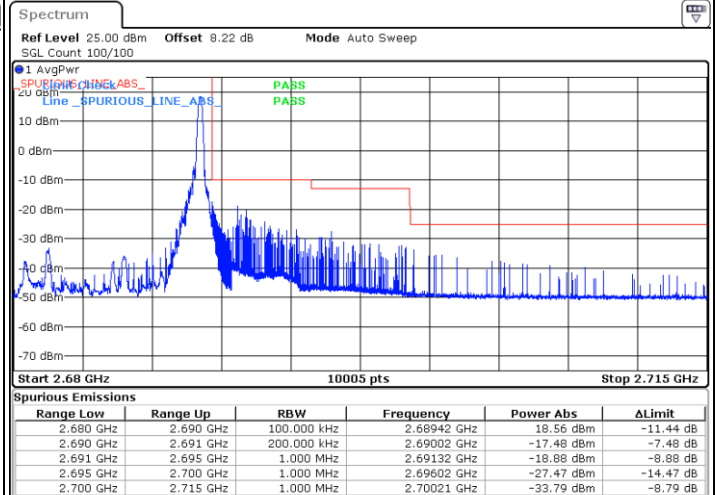


LTE Band 41 / 10MHz / 64QAM

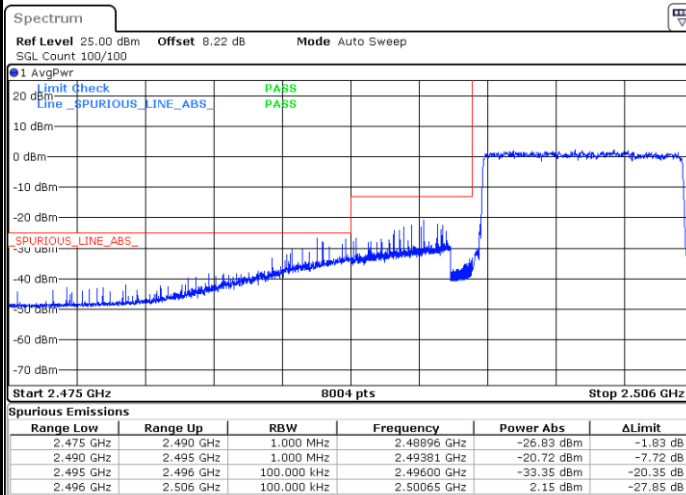
Lowest Band Edge / 1 RB



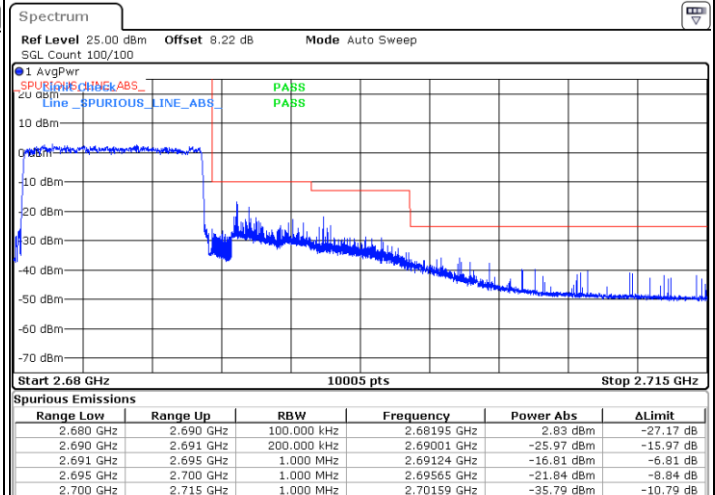
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



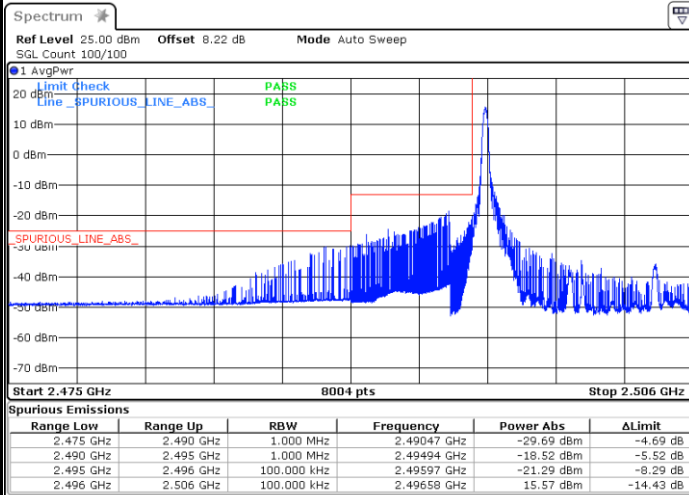
Highest Band Edge / Full RB



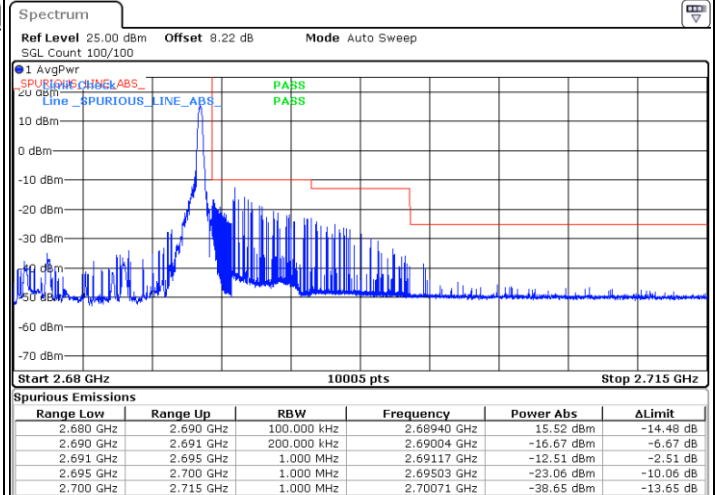


LTE Band 41 / 10MHz / 256QAM

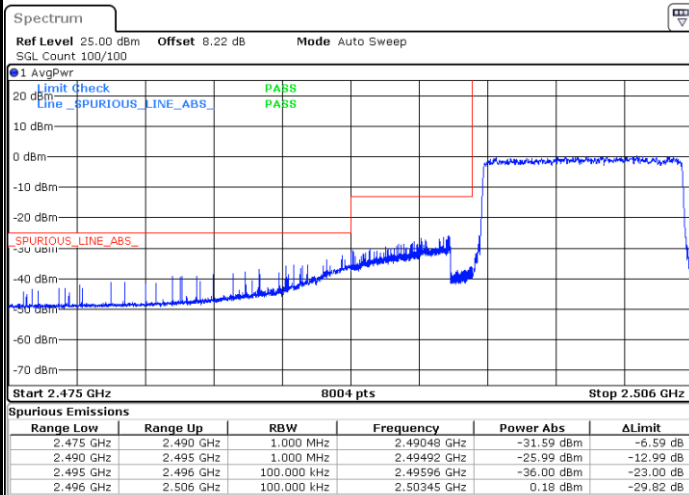
Lowest Band Edge / 1RB



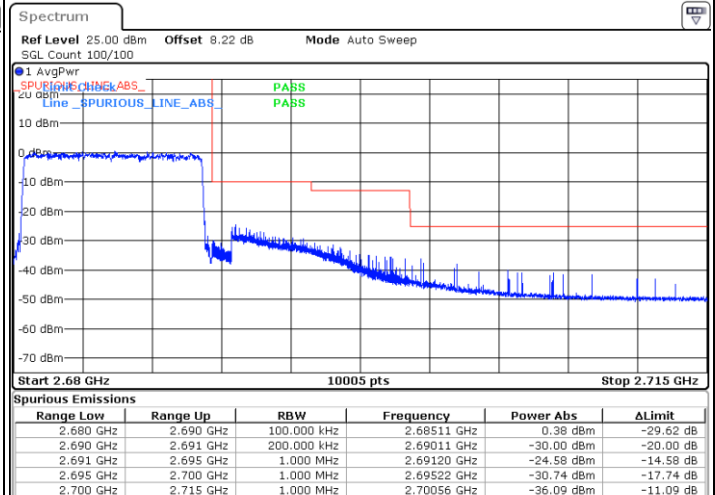
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



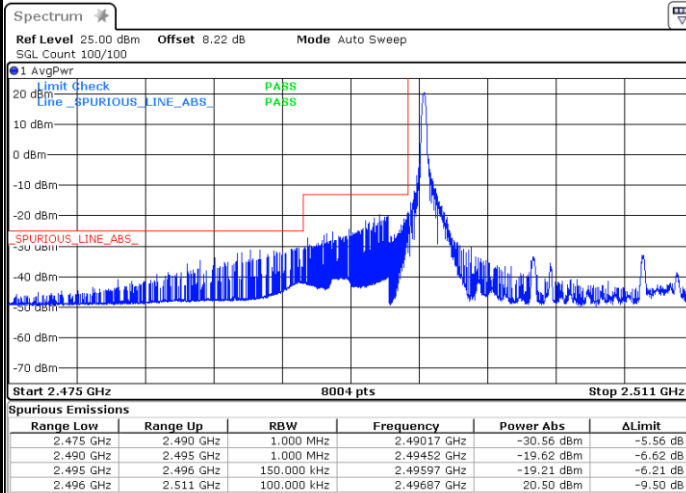
Highest Band Edge / Full RB



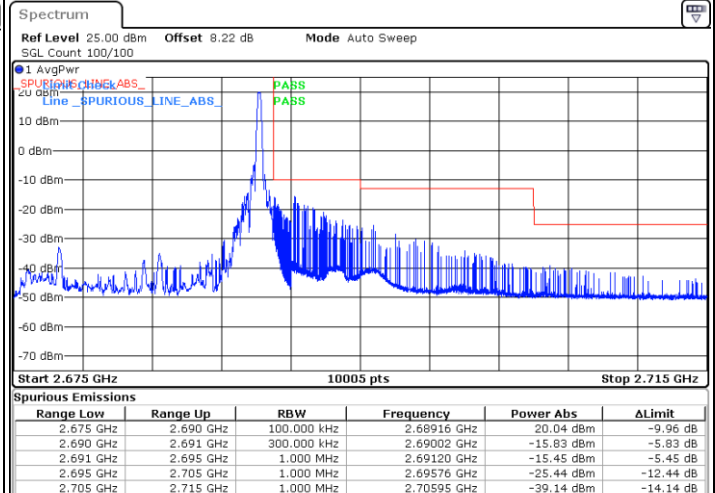


LTE Band 41 / 15MHz / QPSK

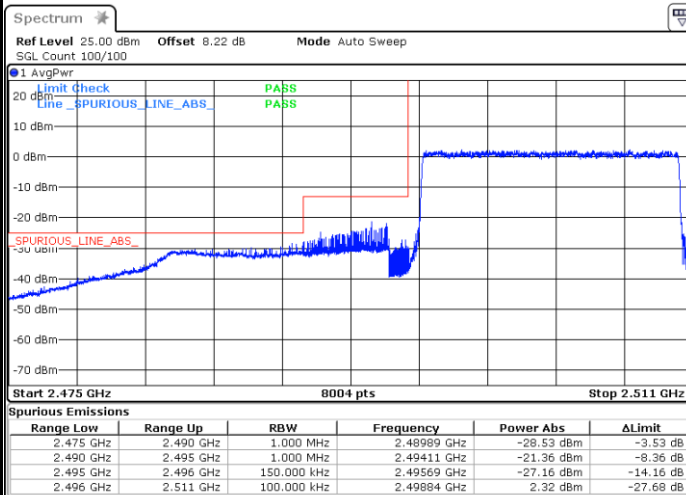
Lowest Band Edge / 1 RB



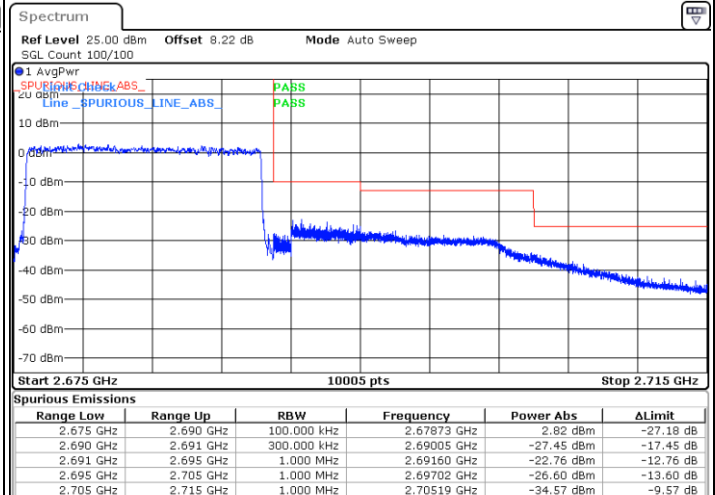
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



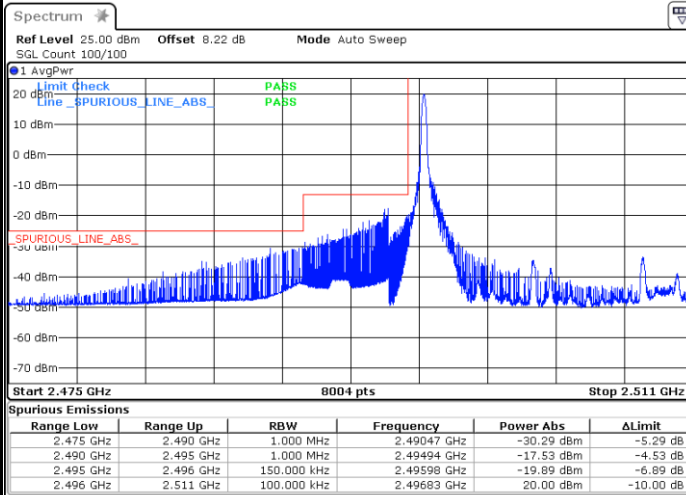
Highest Band Edge / Full RB



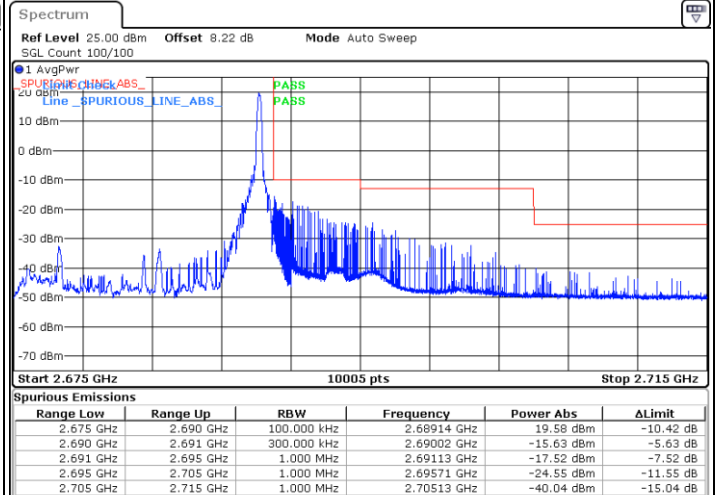


LTE Band 41 / 15MHz / 16QAM

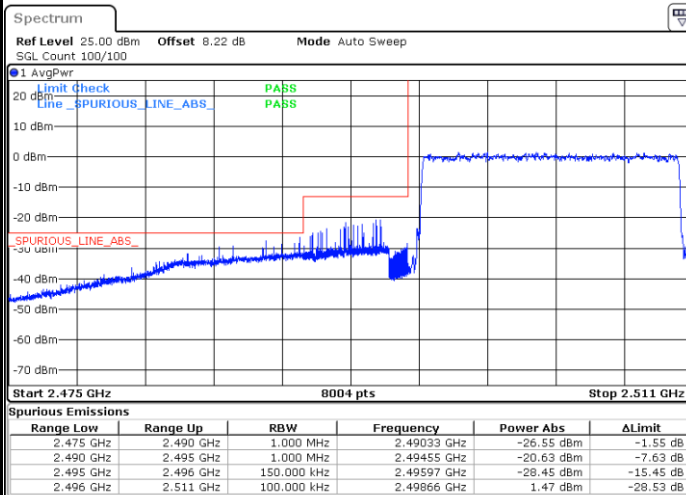
Lowest Band Edge / 1 RB



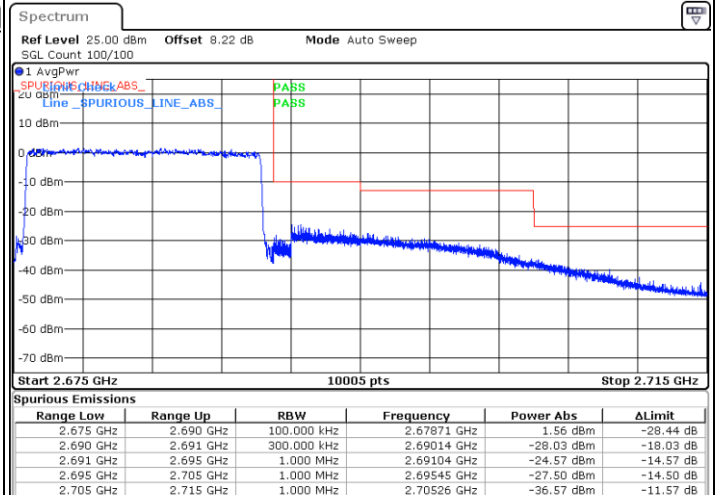
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



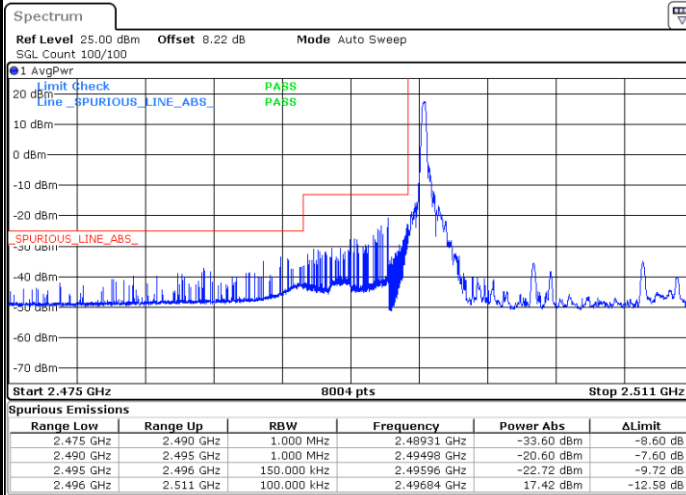
Highest Band Edge / Full RB



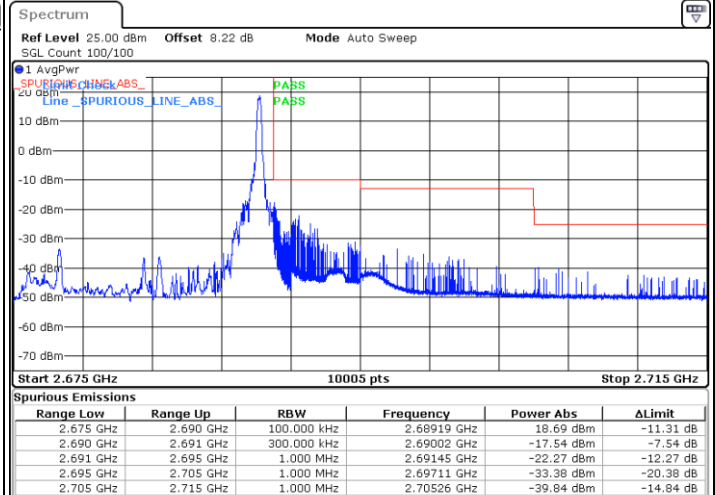


LTE Band 41 / 15MHz / 64QAM

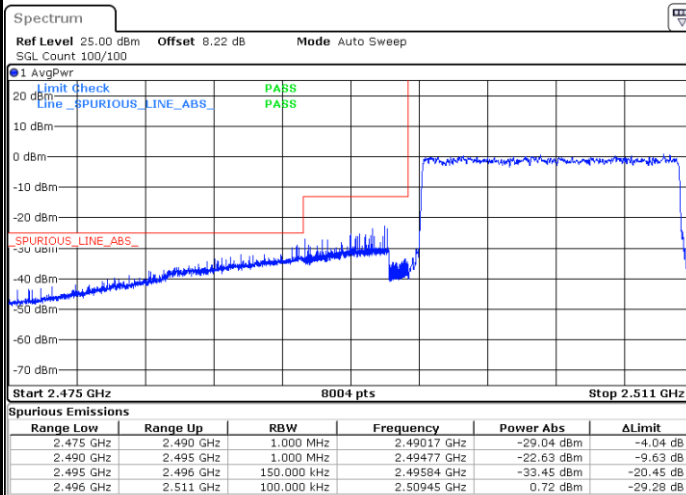
Lowest Band Edge / 1 RB



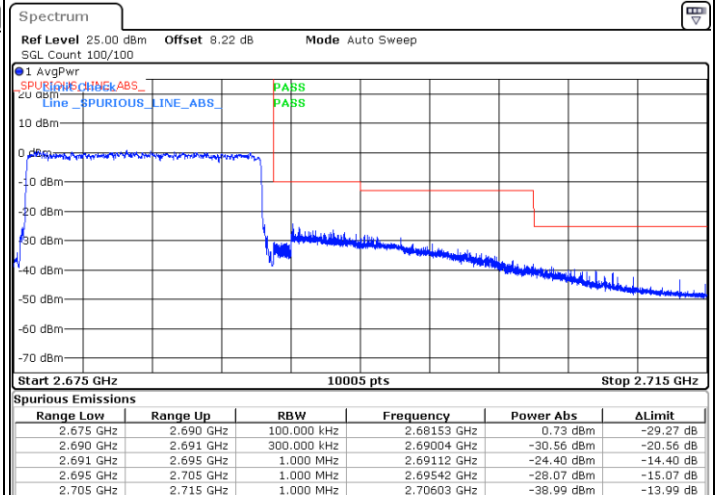
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



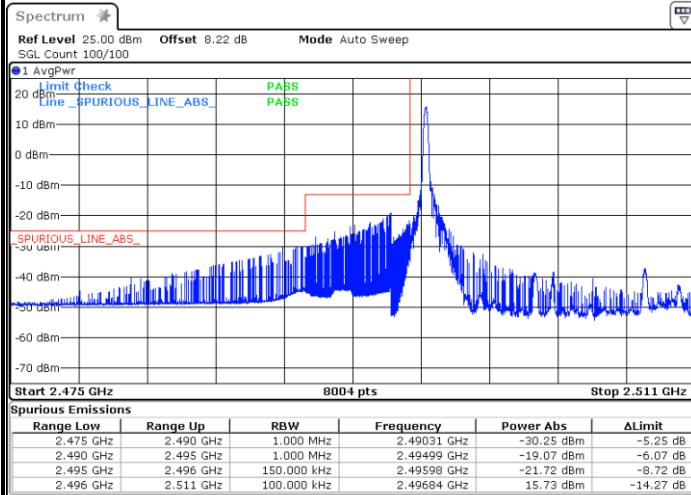
Highest Band Edge / Full RB



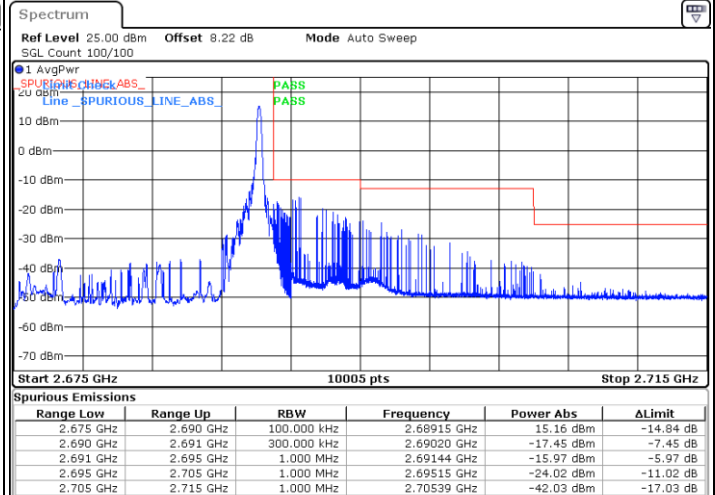


LTE Band 41 / 15MHz / 256QAM

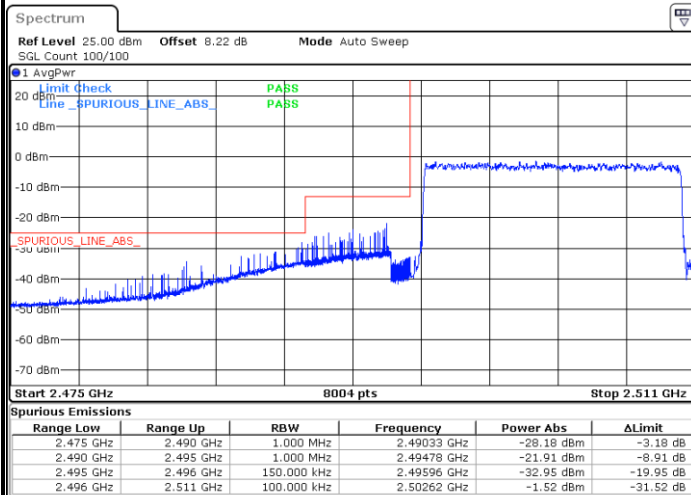
Lowest Band Edge / 1RB



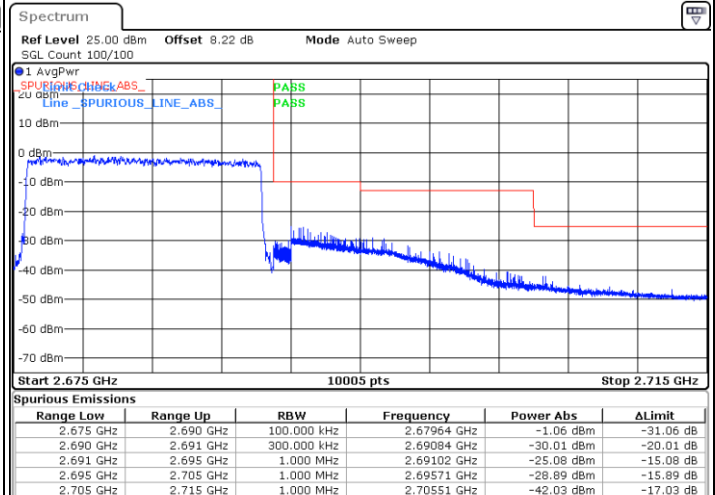
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



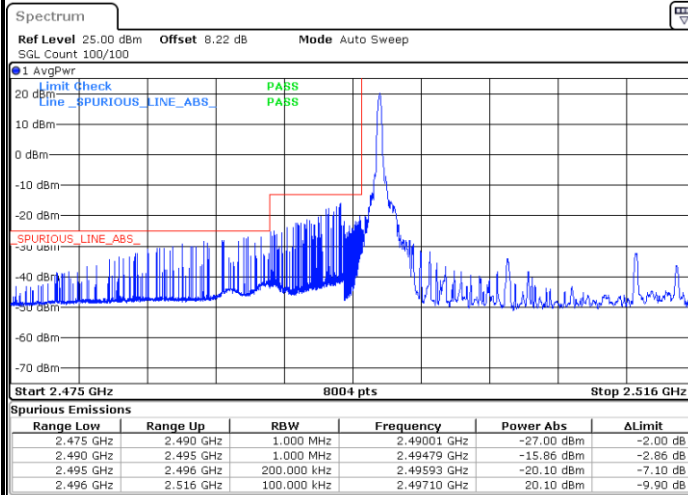
Highest Band Edge / Full RB



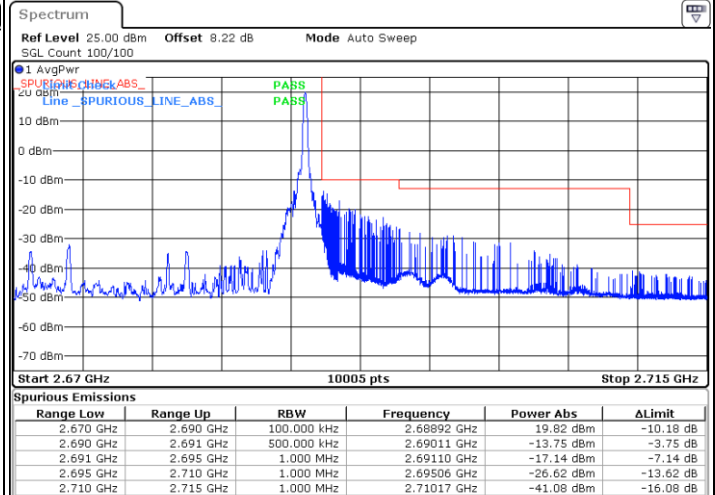


LTE Band 41 / 20MHz / QPSK

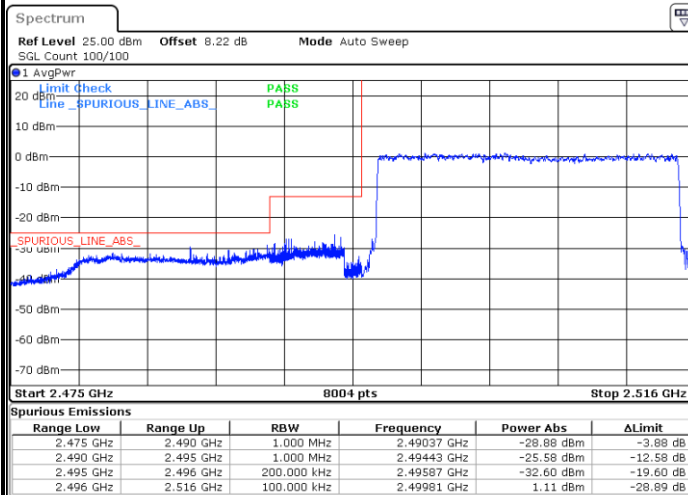
Lowest Band Edge / 1 RB



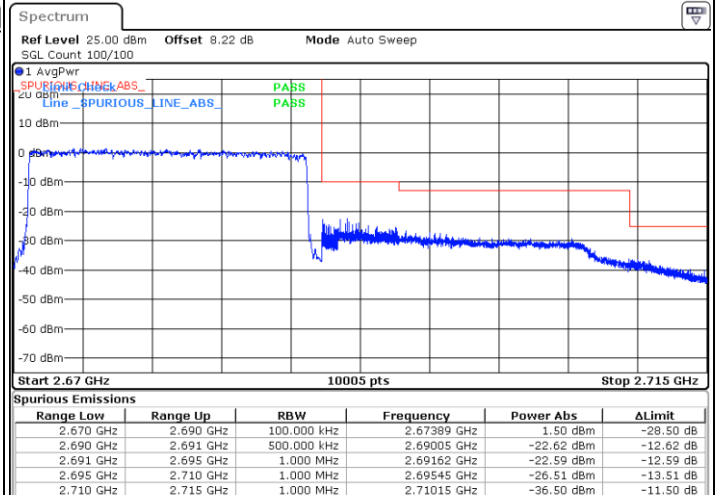
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



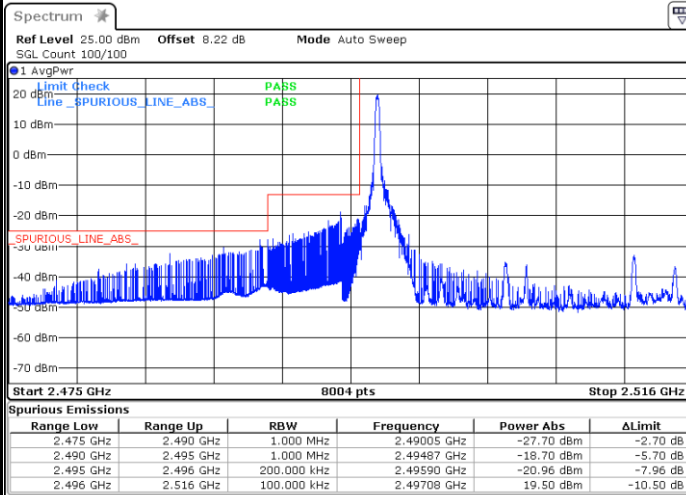
Highest Band Edge / Full RB



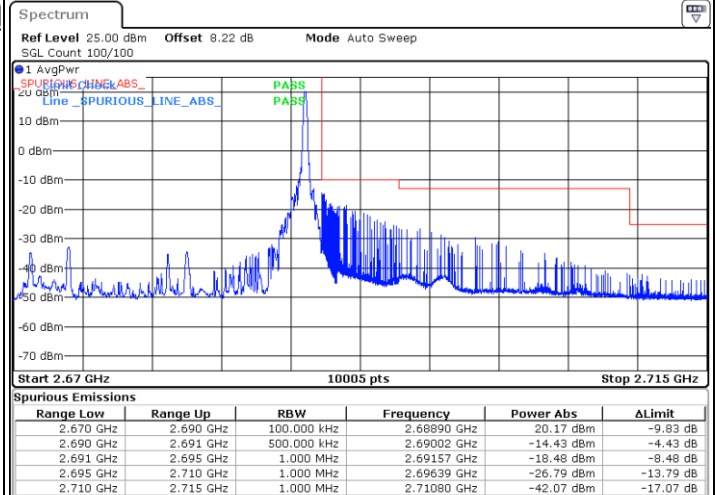


LTE Band 41 / 20MHz / 16QAM

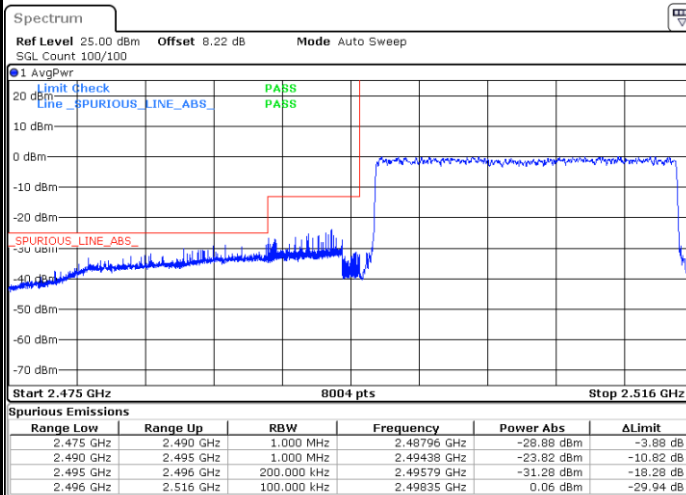
Lowest Band Edge / 1 RB



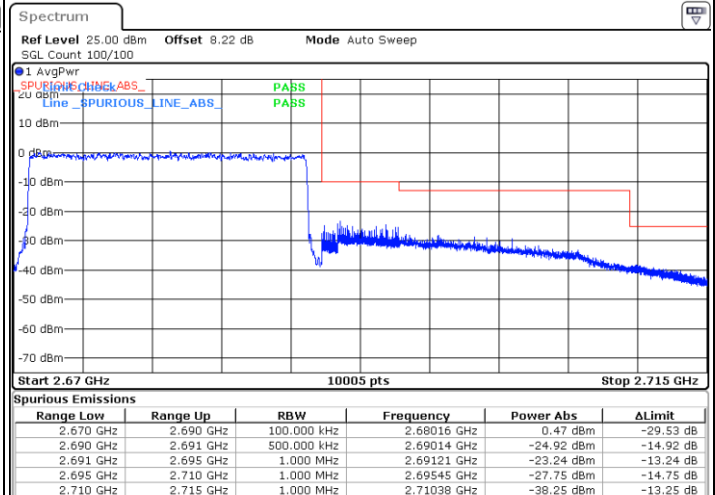
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



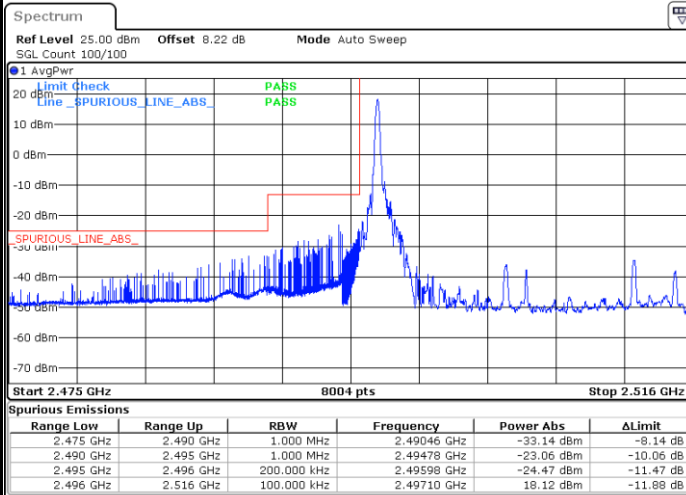
Highest Band Edge / Full RB



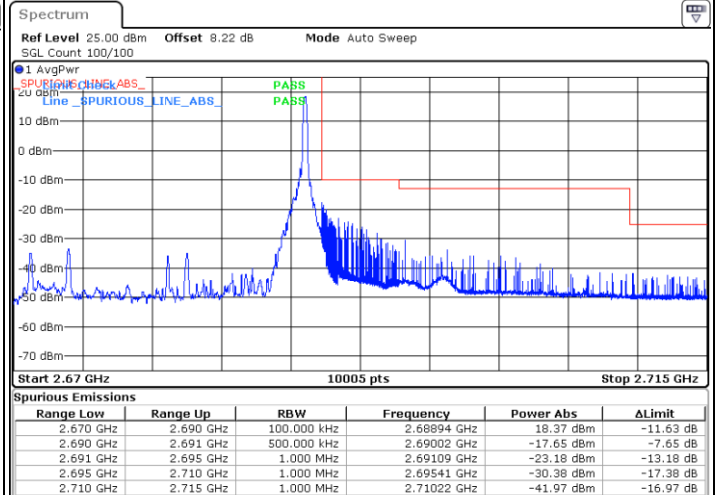


LTE Band 41 / 20MHz / 64QAM

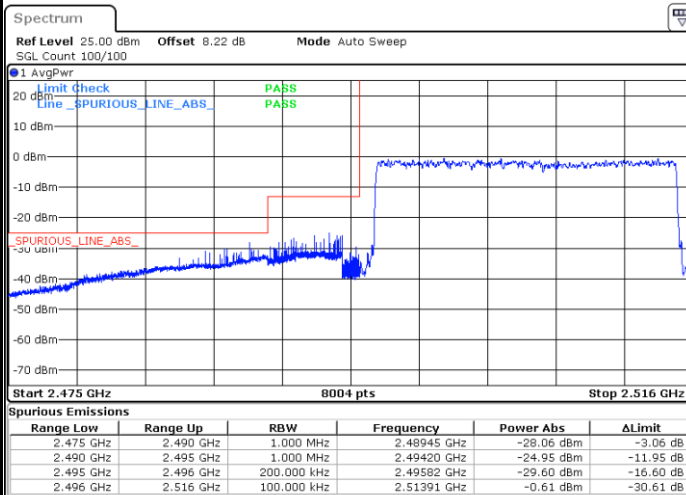
Lowest Band Edge / 1 RB



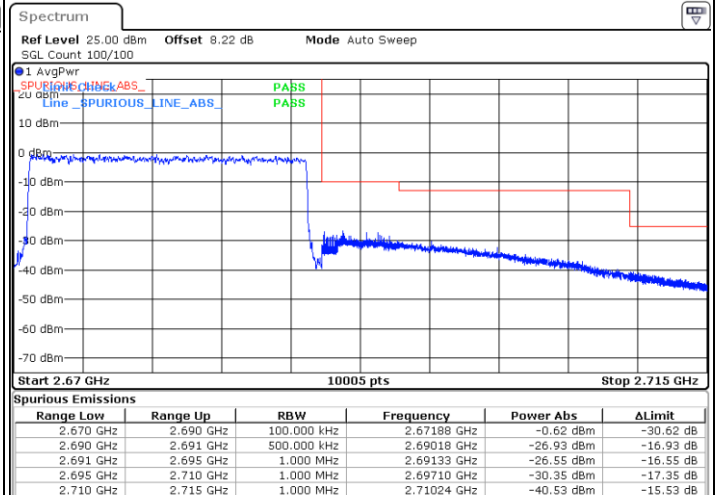
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



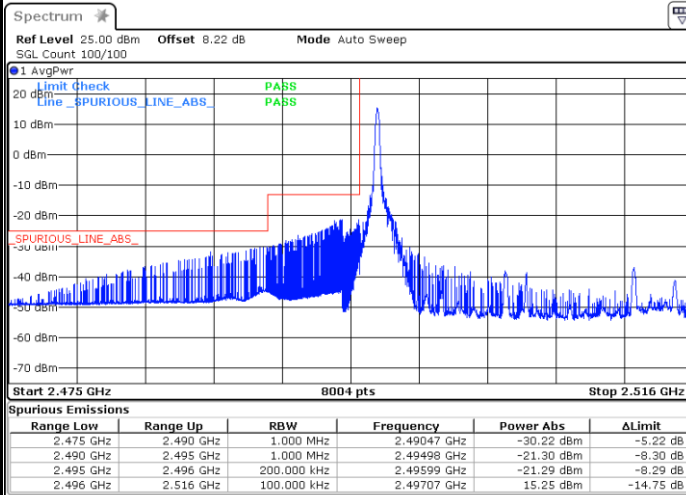
Highest Band Edge / Full RB



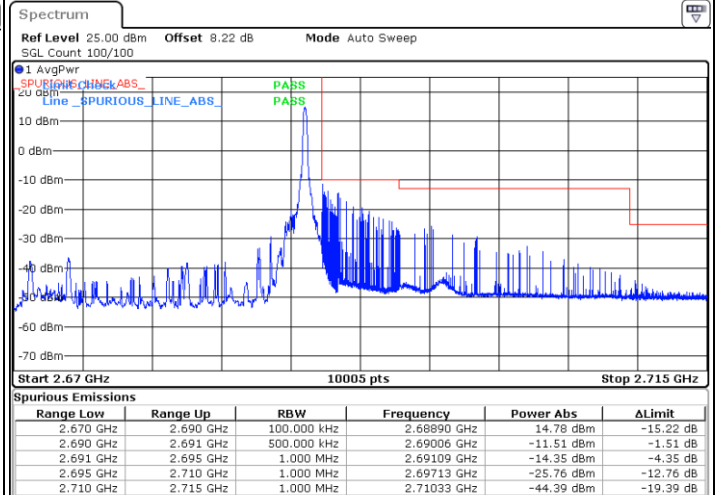


LTE Band 41 / 20MHz / 256QAM

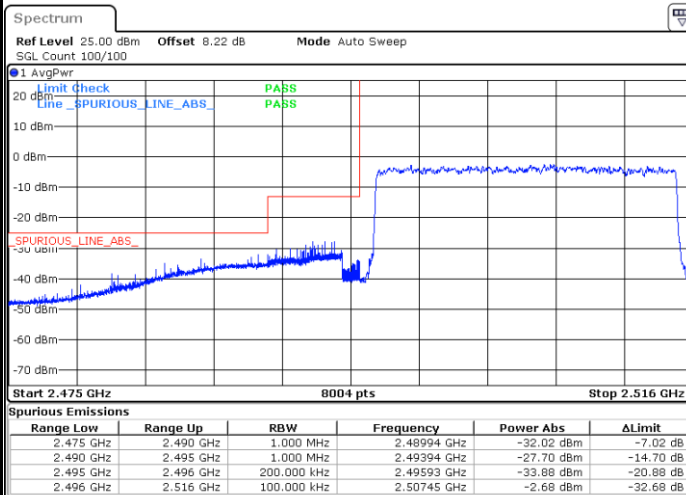
Lowest Band Edge / 1RB



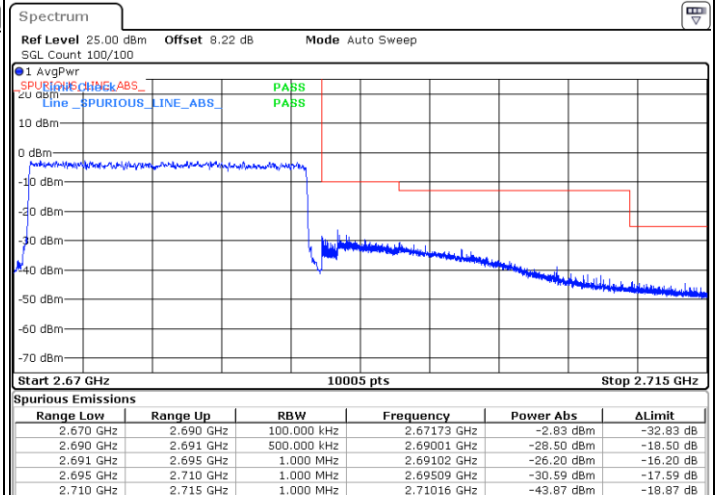
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

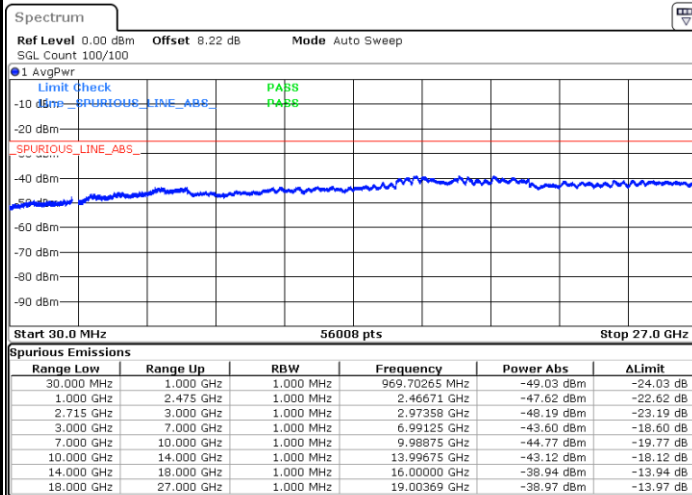




Conducted Spurious Emission

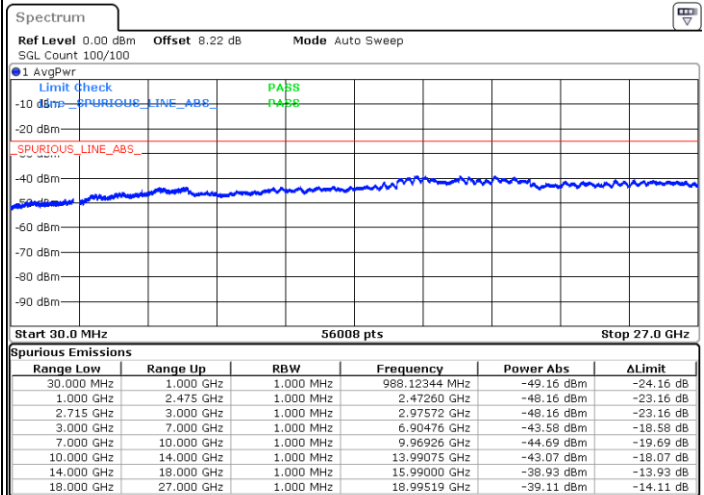
LTE Band 41 / 5MHz

Lowest Channel / QPSK



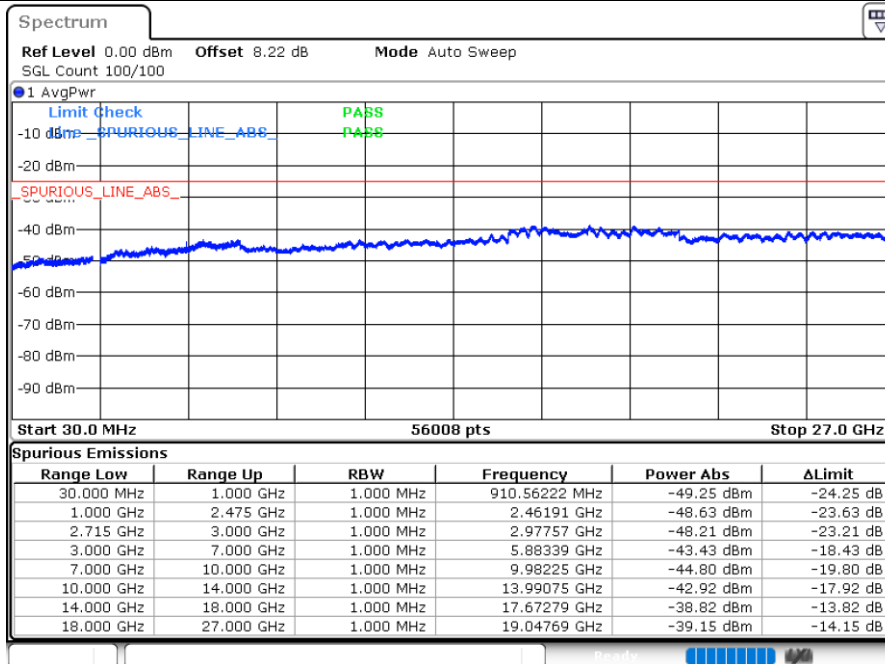
Date: 30.JUL.2024 15:39:48

Middle Channel / QPSK



Date: 30.JUL.2024 15:51:16

Highest Channel / QPSK



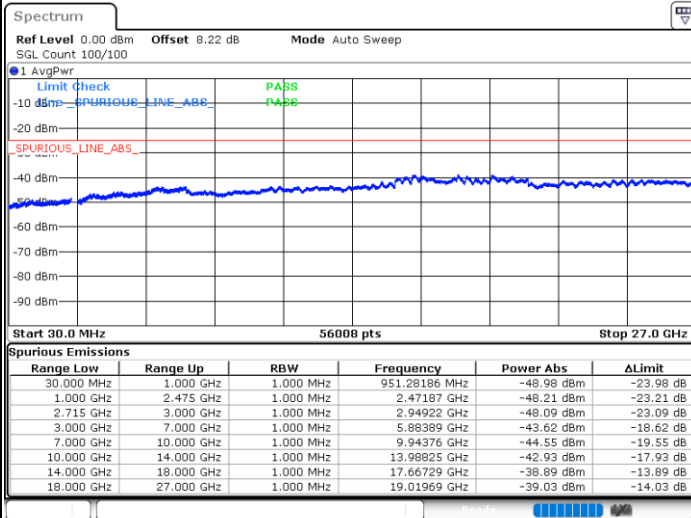
Date: 30.JUL.2024 15:52:30



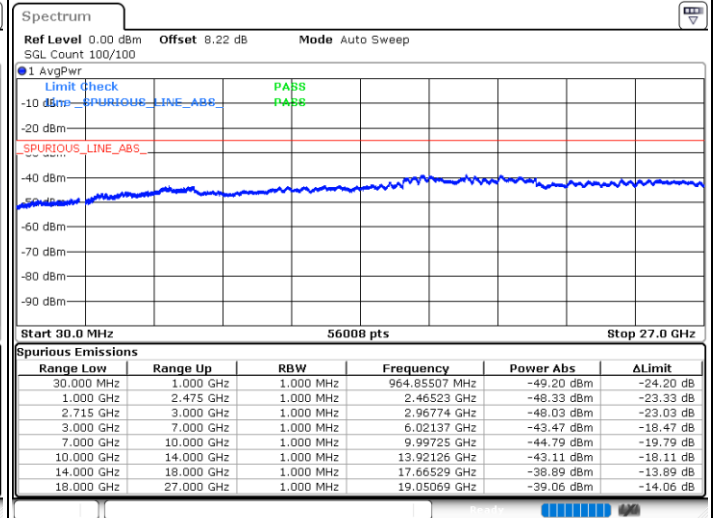
LTE Band 41 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

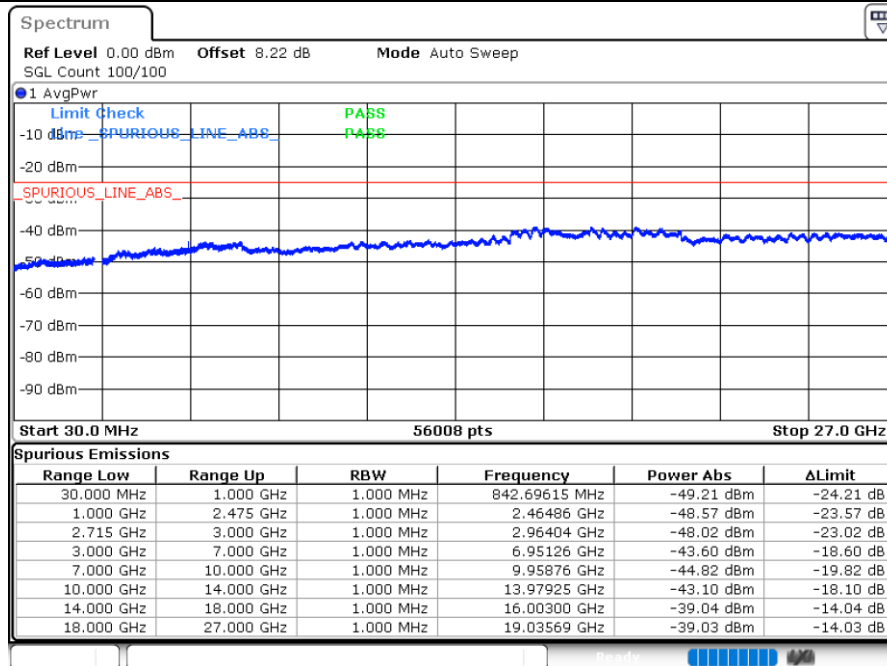


Date: 30.JUL.2024 16:01:20



Date: 30.JUL.2024 16:10:51

Highest Channel / QPSK



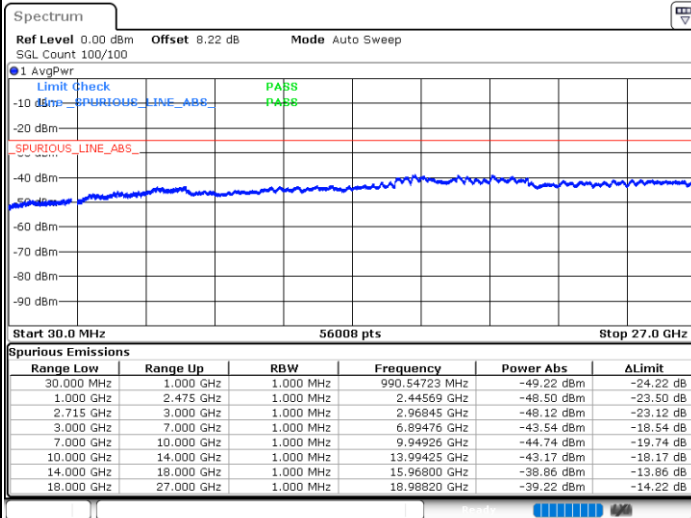
Date: 30.JUL.2024 16:39:53



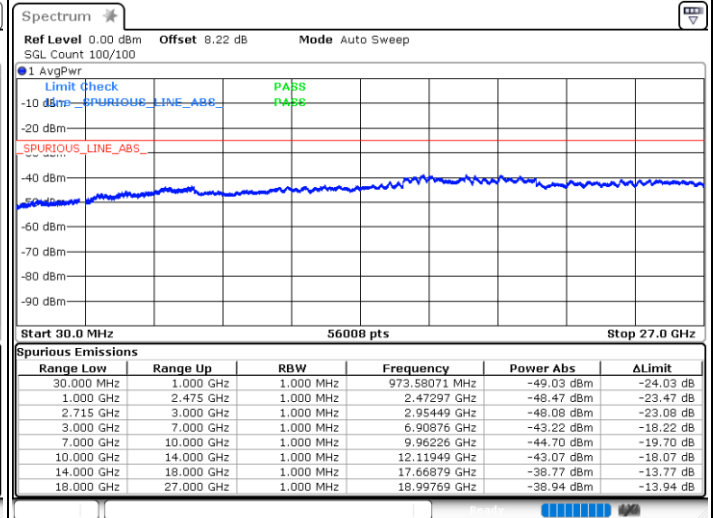
LTE Band 41 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

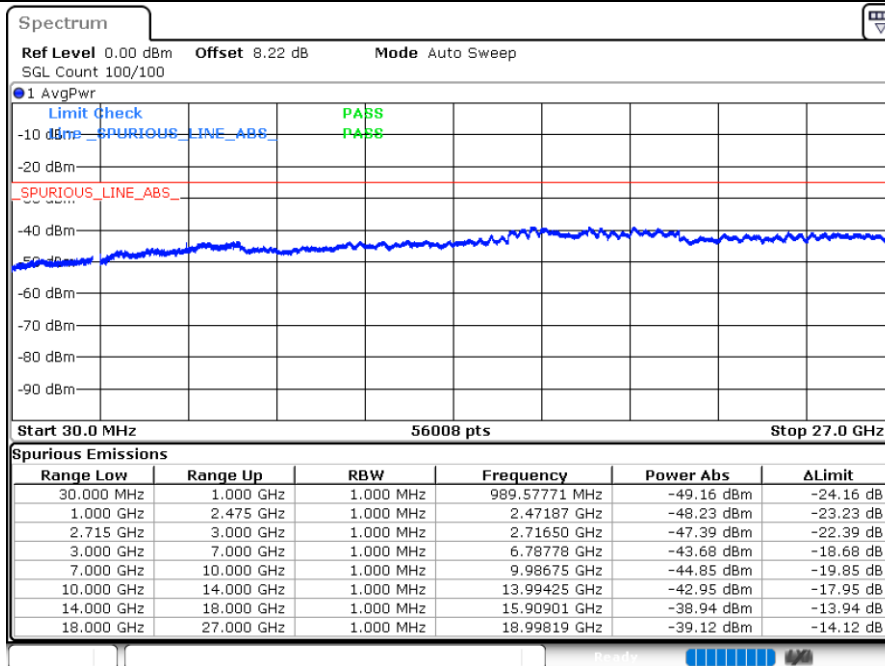


Date: 30.JUL.2024 17:07:14



Date: 30.JUL.2024 17:19:04

Highest Channel / QPSK



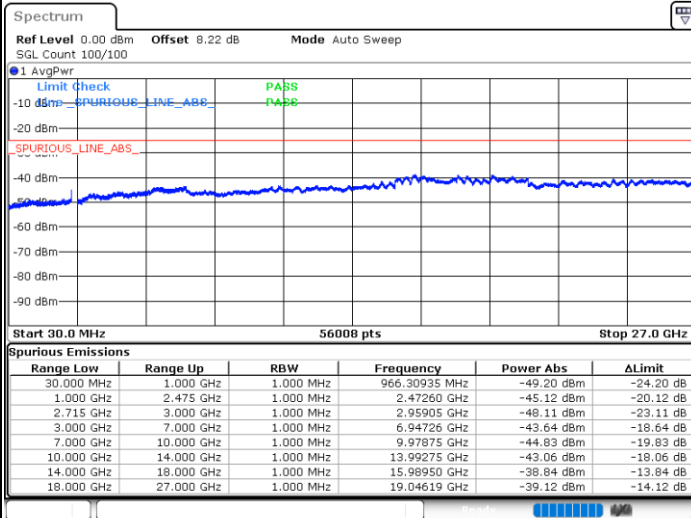
Date: 30.JUL.2024 17:52:40



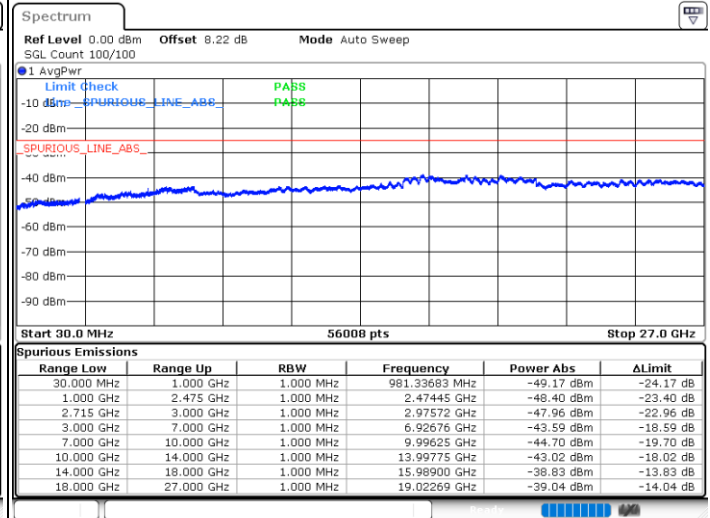
LTE Band 41 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

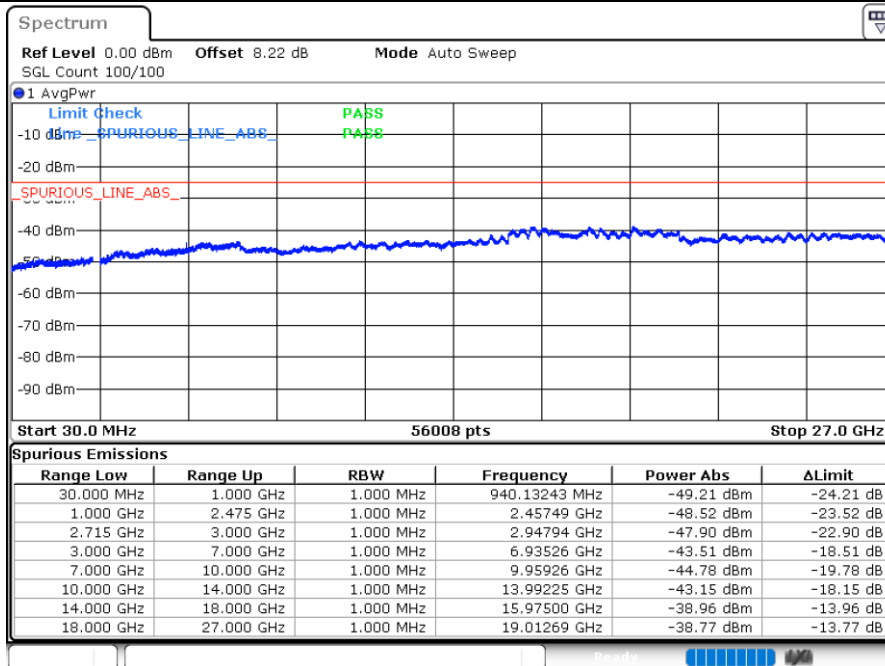


Date: 30.JUL.2024 18:04:23



Date: 30.JUL.2024 18:16:19

Highest Channel / QPSK



Date: 30.JUL.2024 18:17:38

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	0.0079	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0034	
-20	Normal Voltage	0.0047	
-30	Normal Voltage	0.0054	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0036	
20	Battery End Point	0.0030	

Note:

1. Normal Voltage =3.91V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

RSE pretest all the supported Antennas, only the worst results are shown in the report.

LTE Band 7 / 20MHz / QPSK / ANT 4								
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	-62.33	-25	-37.33	-72.54	3.03	13.24	H
	7584	-60.77	-25	-35.77	-70.22	3.56	13.01	H
	10104	-53.87	-25	-28.87	-63.39	3.92	13.44	H
	12624	-52.22	-25	-27.22	-62.14	4.44	14.36	H
	5050	-62.42	-25	-37.42	-72.63	3.03	13.24	V
	7584	-59.45	-25	-34.45	-68.90	3.56	13.01	V
	10104	-52.01	-25	-27.01	-61.53	3.92	13.44	V
	12624	-56.74	-25	-31.74	-66.66	4.44	14.36	V

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

LTE CA_7C / 20MHz+20MHz / QPSK/ ANT 1								
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	5036	-62.65	-25	-37.65	-72.86	3.03	13.24	H
	7542	-62.49	-25	-37.49	-71.94	3.56	13.01	H
	10062	-60.16	-25	-35.16	-69.68	3.92	13.44	H
	5036	-62.44	-25	-37.44	-72.65	3.03	13.24	V
	7542	-62.52	-25	-37.52	-71.97	3.56	13.01	V
	10062	-58.05	-25	-33.05	-67.57	3.92	13.44	V
	5078	-63.20	-25	-38.20	-73.41	3.03	13.24	H
	7612	-62.16	-25	-37.16	-71.61	3.56	13.01	H
	10146	-61.35	-25	-36.35	-70.87	3.92	13.44	H
	5078	-63.18	-25	-38.18	-73.39	3.03	13.24	V
	7612	-62.00	-25	-37.00	-71.45	3.56	13.01	V
	10146	-61.51	-25	-36.51	-71.03	3.92	13.44	V

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

LTE CA_38C / 20MHz+20MHz / QPSK/ ANT 1								
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	5148	-62.60	-25	-37.60	-72.81	3.03	13.24	H
	7724	-61.57	-25	-36.57	-71.02	3.56	13.01	H
	10300	-60.61	-25	-35.61	-70.13	3.92	13.44	H
	5148	-62.76	-25	-37.76	-72.97	3.03	13.24	V
	7724	-61.14	-25	-36.14	-70.59	3.56	13.01	V
	10300	-60.69	-25	-35.69	-70.21	3.92	13.44	V
	5190	-63.11	-25	-38.11	-73.32	3.03	13.24	H
	7794	-61.98	-25	-36.98	-71.43	3.56	13.01	H
	10384	-61.23	-25	-36.23	-70.75	3.92	13.44	H
	5190	-63.15	-25	-38.15	-73.36	3.03	13.24	V
	7794	-62.18	-25	-37.18	-71.63	3.56	13.01	V
	10384	-61.48	-25	-36.48	-71.00	3.92	13.44	V

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

LTE Band 41 / 20MHz / QPSK/ ANT 4								
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	-60.16	-25	-35.16	-70.37	3.03	13.24	H
	7752	-58.86	-25	-33.86	-68.31	3.56	13.01	H
	10342	-57.12	-25	-32.12	-66.64	3.92	13.44	H
	12918	-50.11	-25	-25.11	-60.03	4.44	14.36	H
	5162	-57.67	-25	-32.67	-67.88	3.03	13.24	V
	7752	-59.27	-25	-34.27	-68.72	3.56	13.01	V
	10342	-53.28	-25	-28.28	-62.80	3.92	13.44	V
	12918	-55.51	-25	-30.51	-65.43	4.44	14.36	V

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