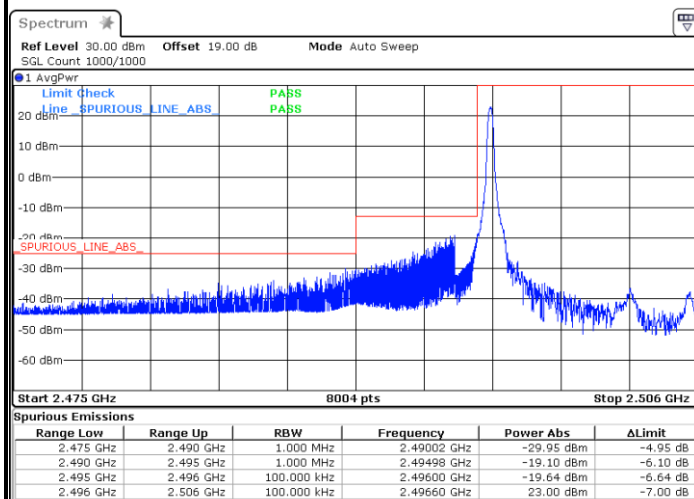


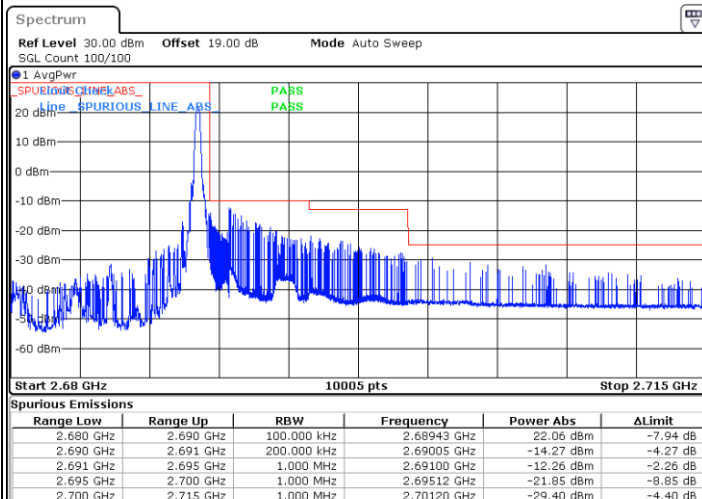


LTE Band 41 / 10MHz / QPSK

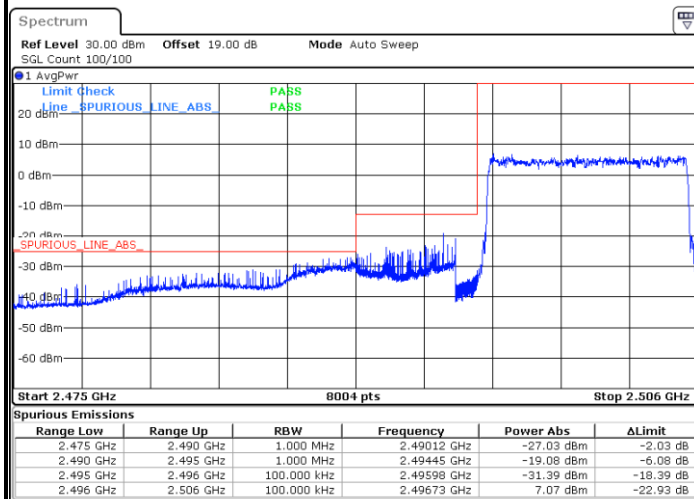
Lowest Band Edge / 1 RB



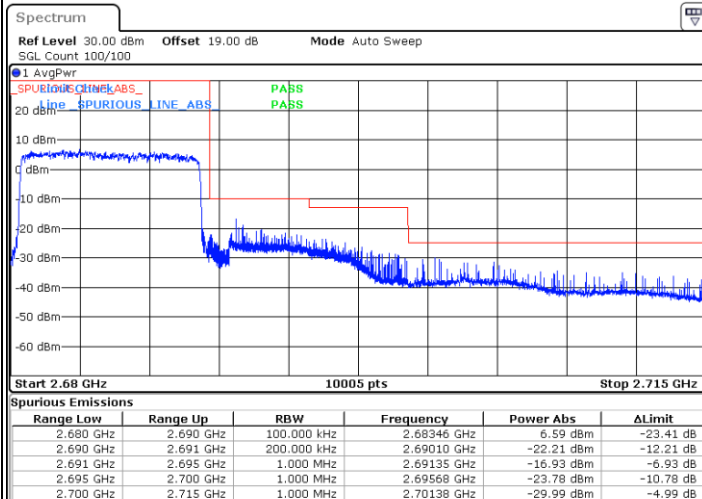
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



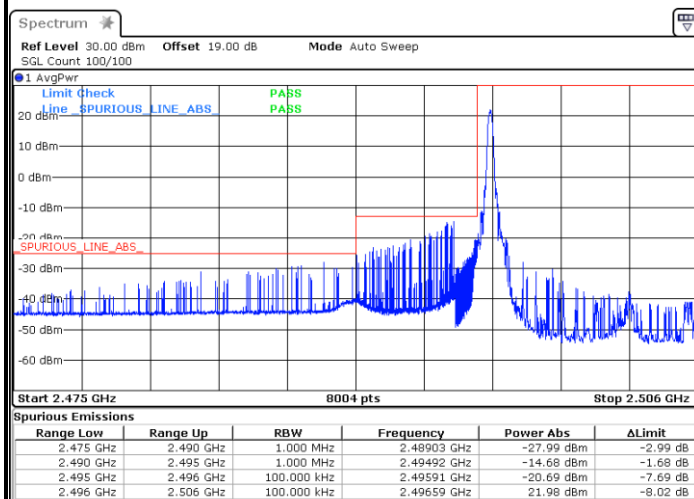
Highest Band Edge / Full RB



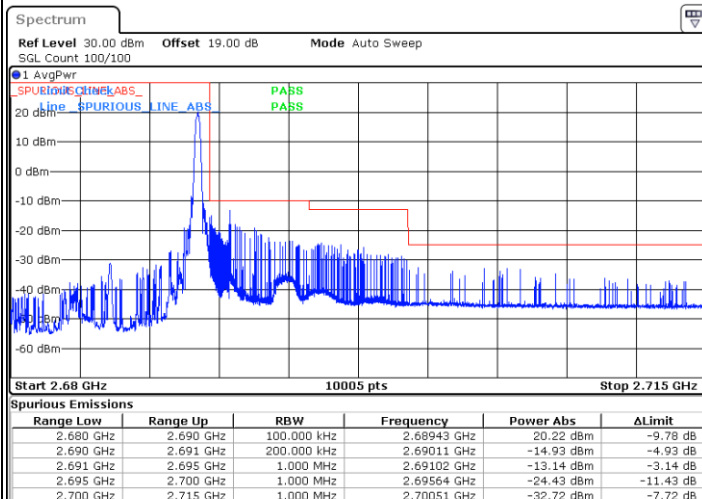


LTE Band 41 / 10MHz / 16QAM

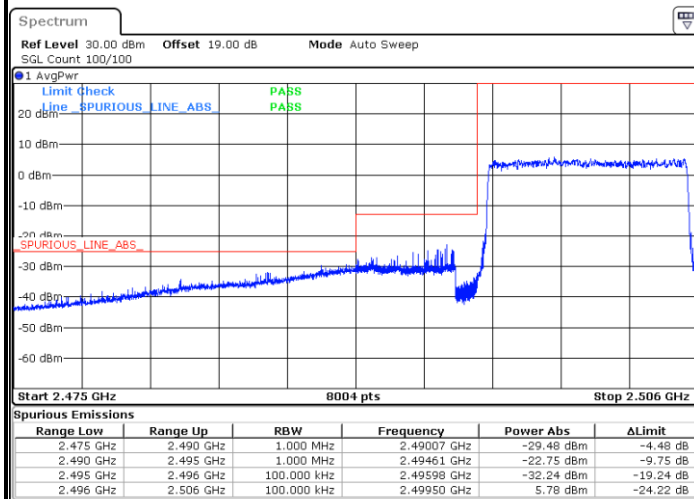
Lowest Band Edge / 1 RB



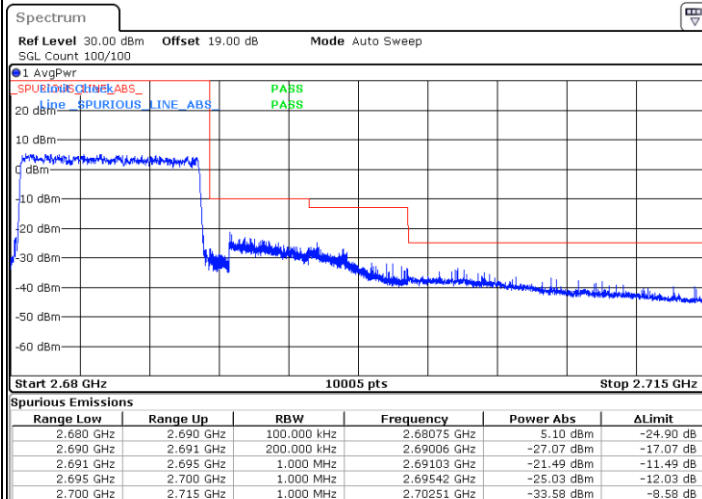
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



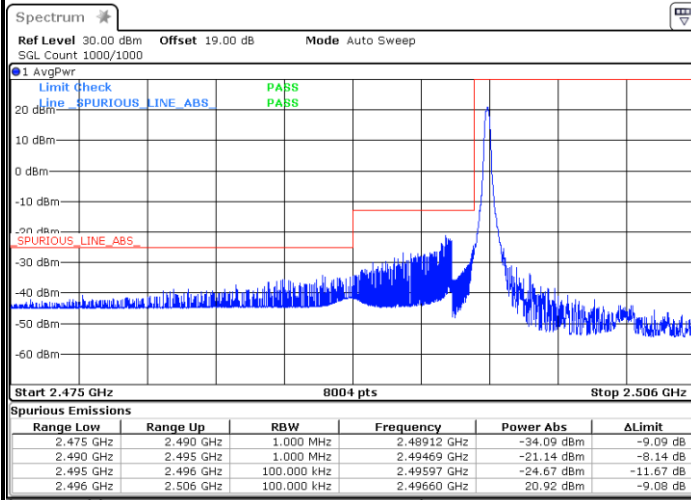
Highest Band Edge / Full RB



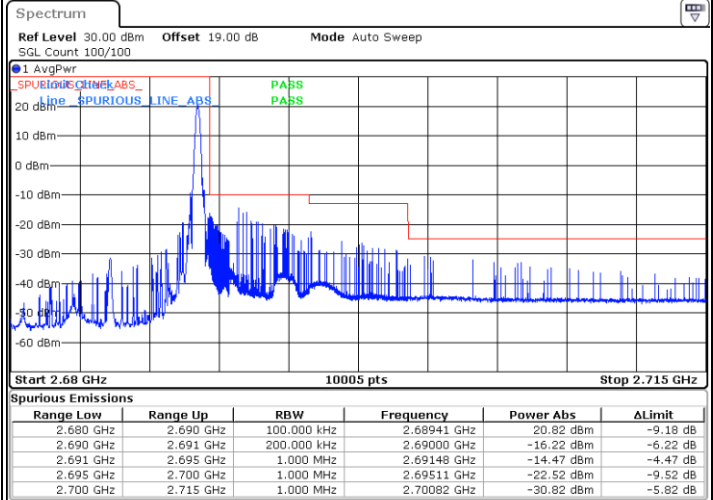


LTE Band 41 / 10MHz / 64QAM

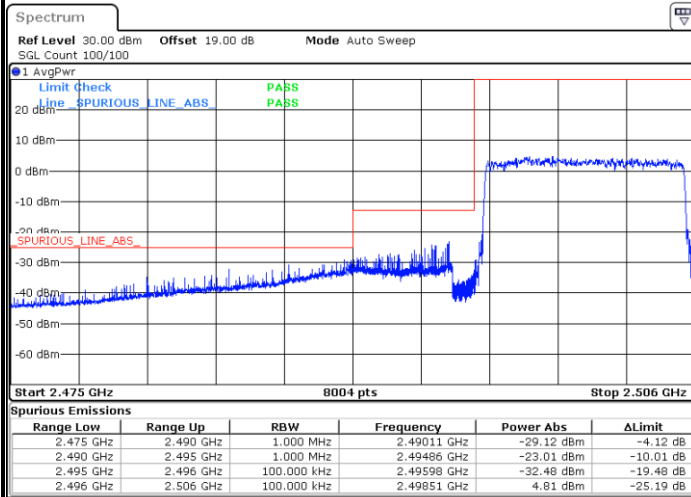
Lowest Band Edge / 1 RB



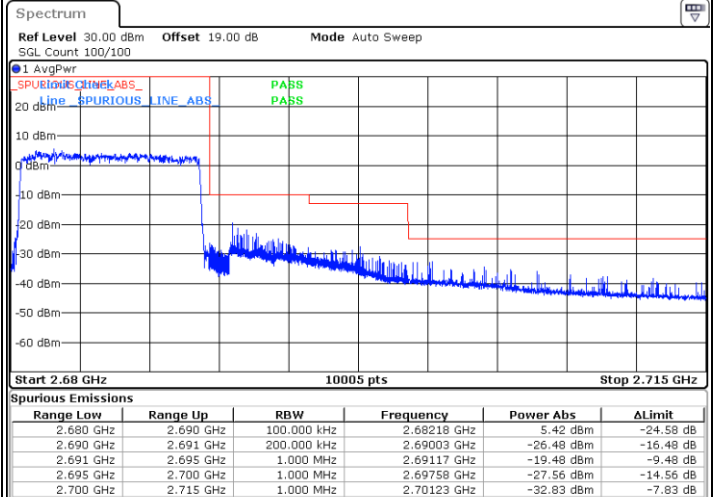
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



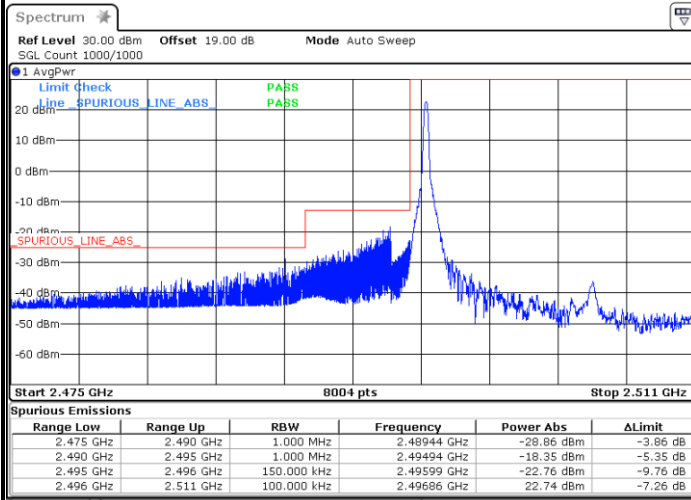
Highest Band Edge / Full RB



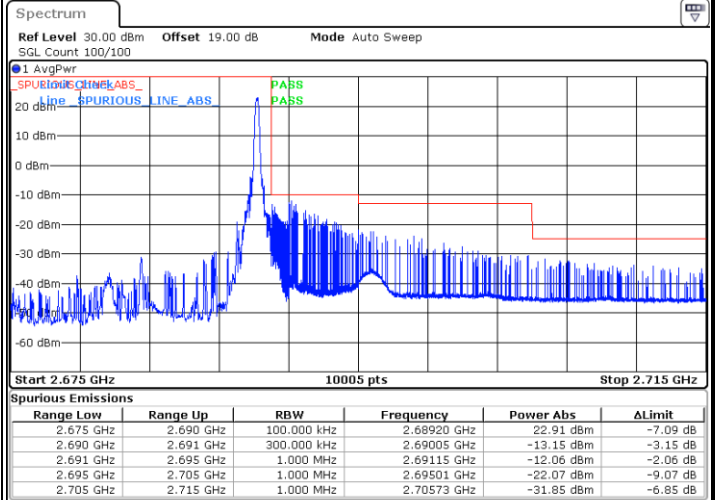


LTE Band 41 / 15MHz / QPSK

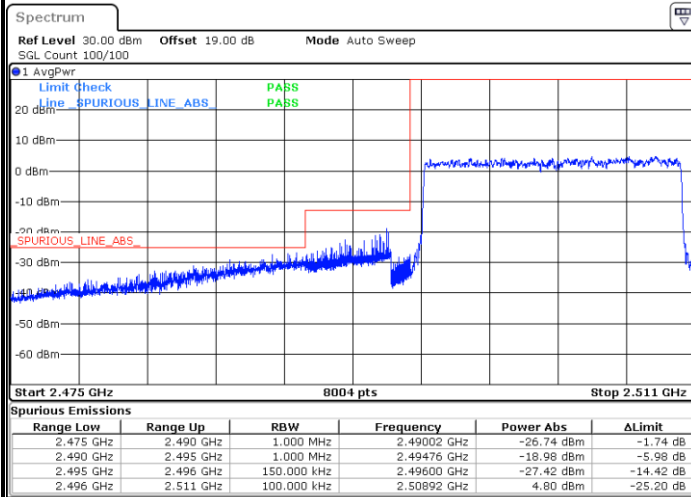
Lowest Band Edge / 1 RB



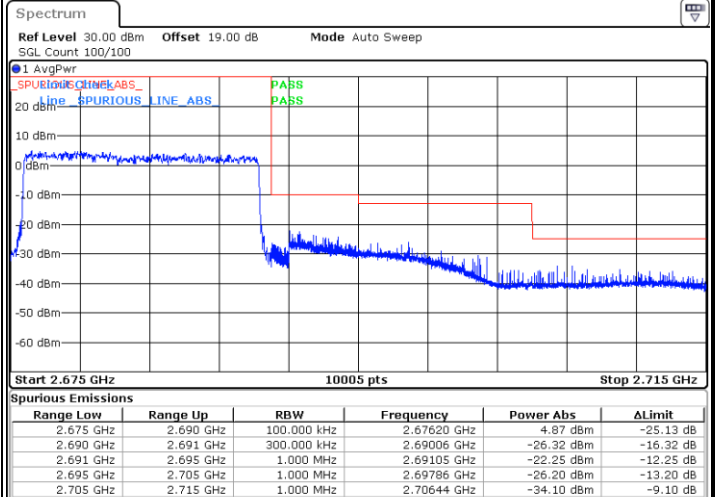
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



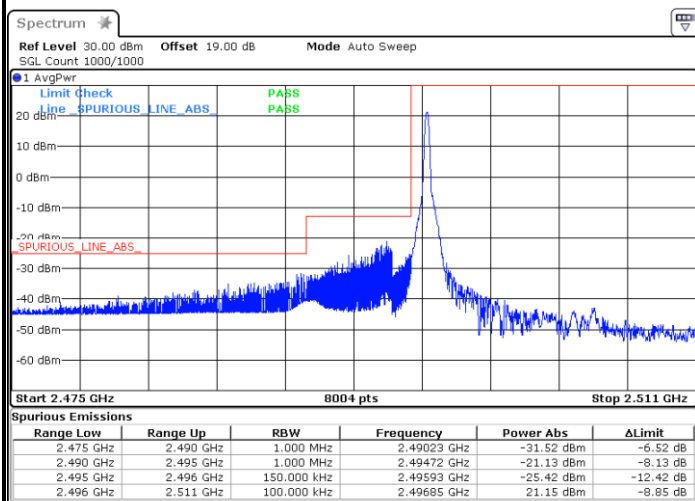
Highest Band Edge / Full RB



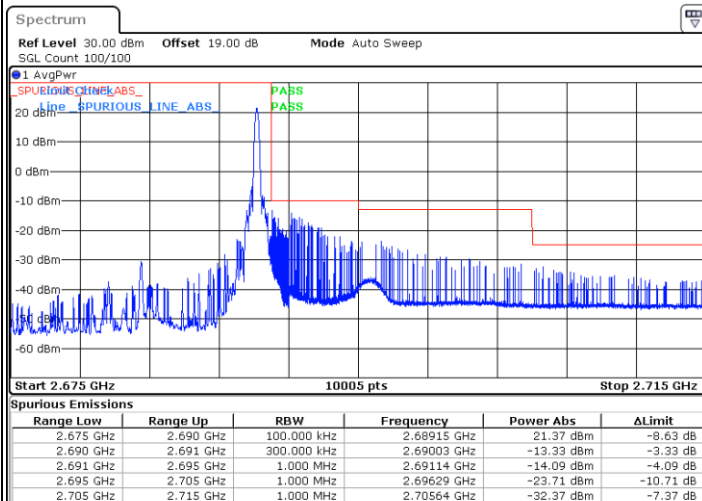


LTE Band 41 / 15MHz / 16QAM

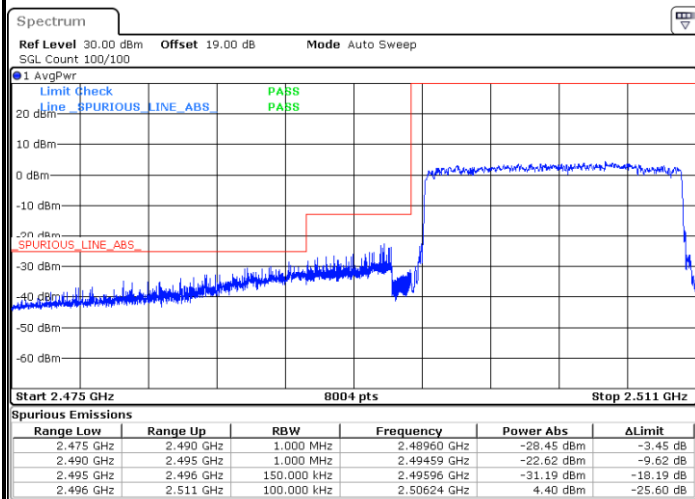
Lowest Band Edge / 1 RB



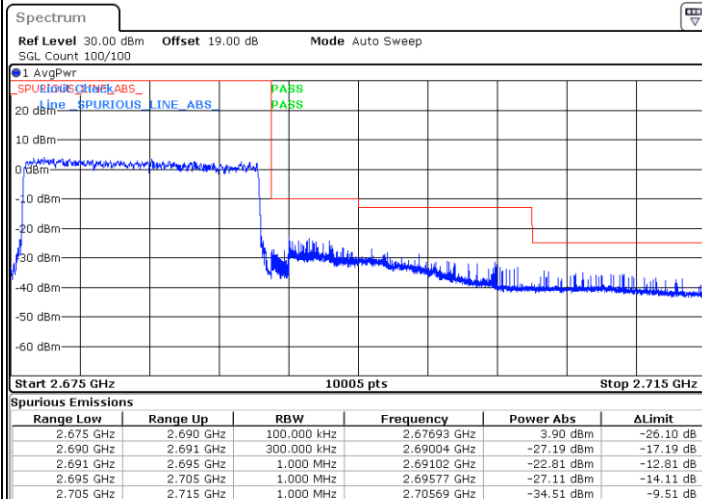
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



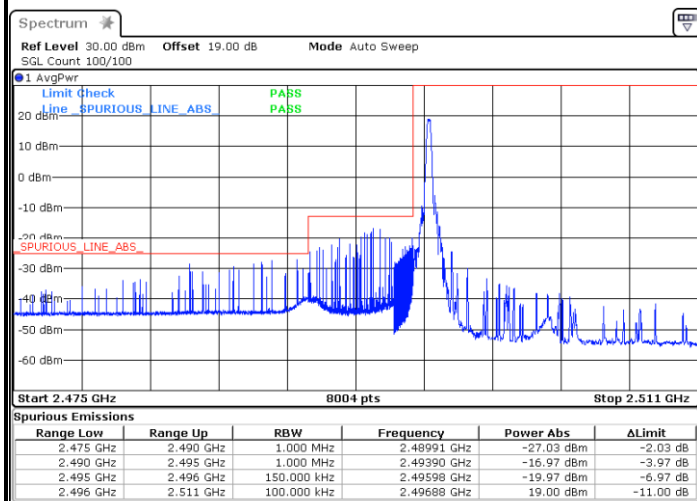
Highest Band Edge / Full RB



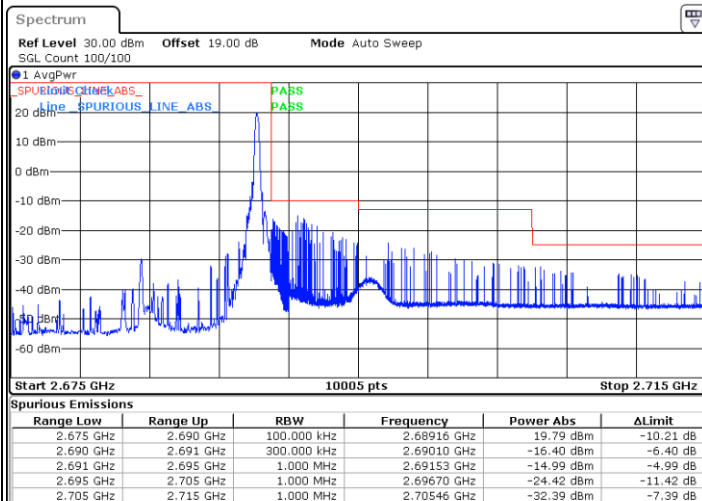


LTE Band 41 / 15MHz / 64QAM

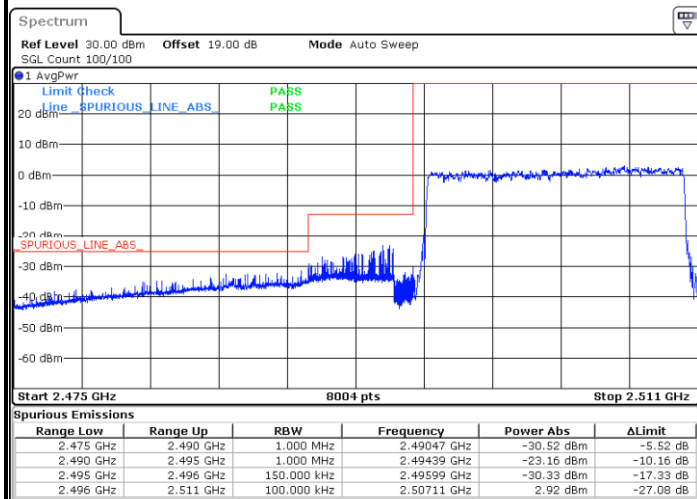
Lowest Band Edge / 1 RB



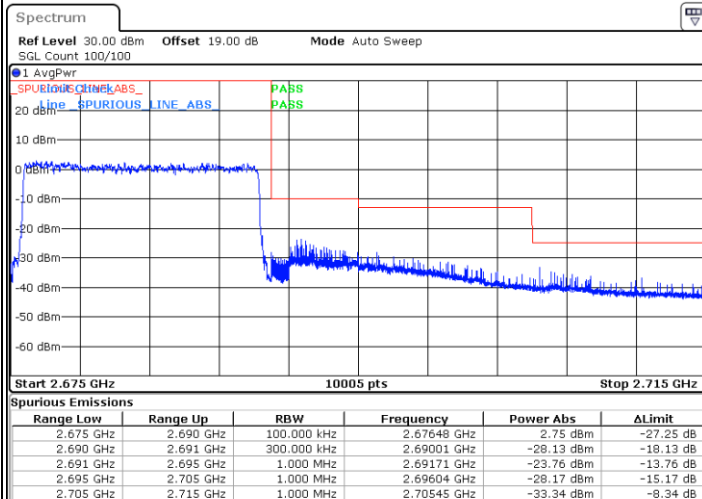
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



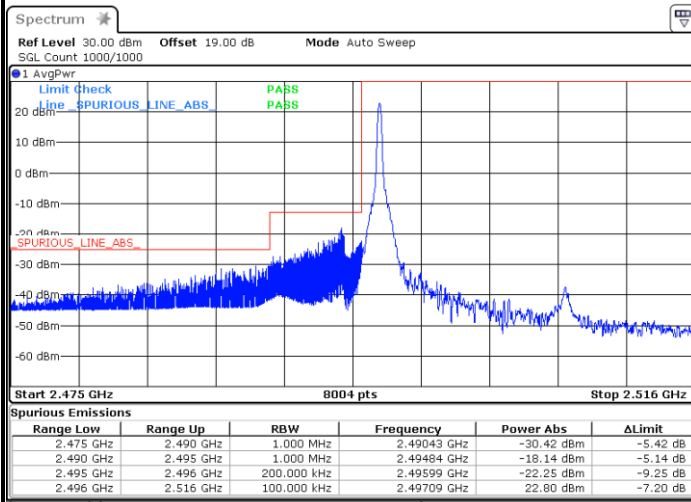
Highest Band Edge / Full RB



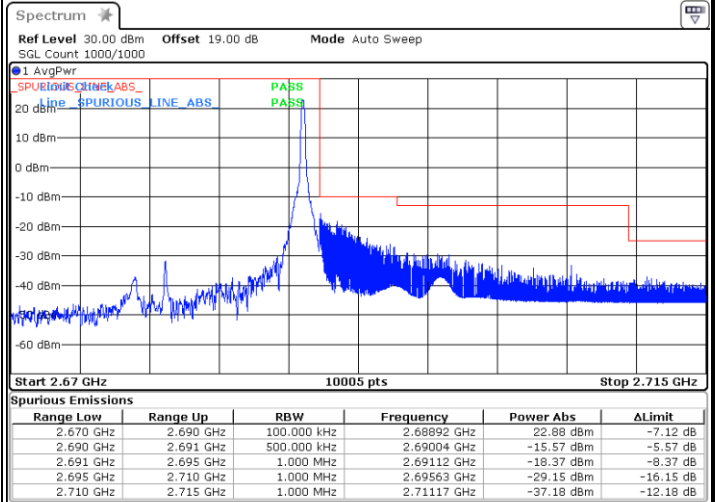


LTE Band 41 / 20MHz / QPSK

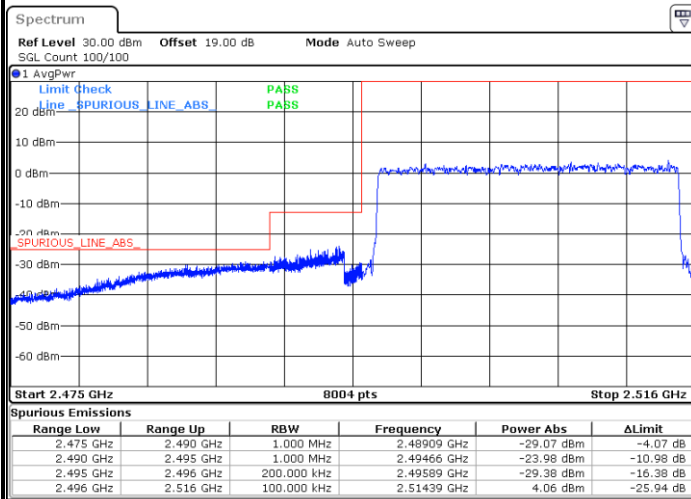
Lowest Band Edge / 1 RB



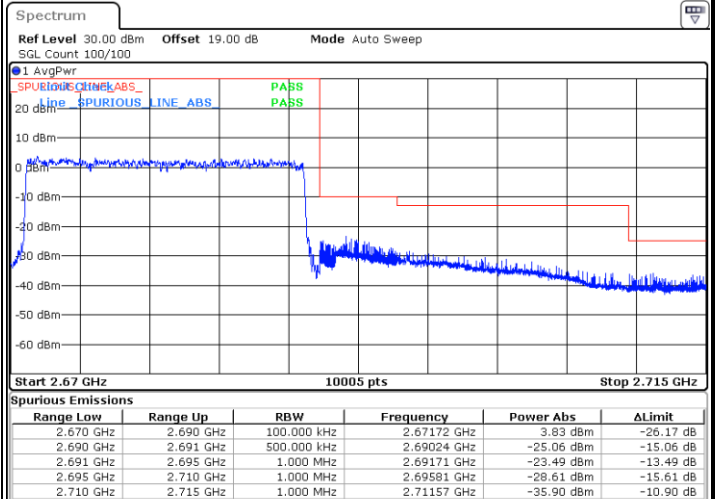
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



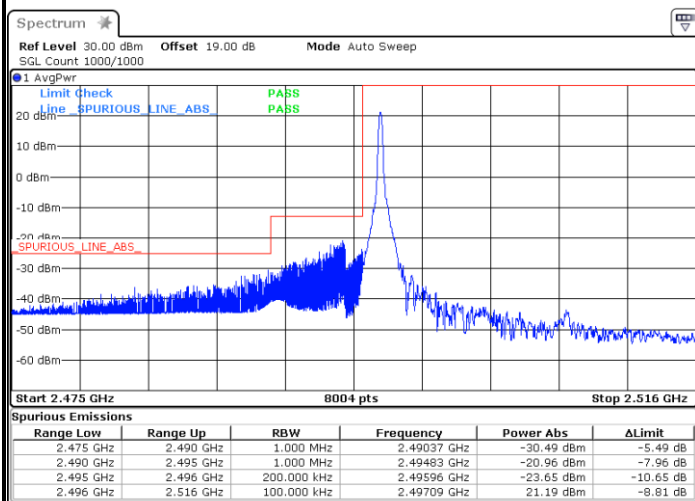
Highest Band Edge / Full RB



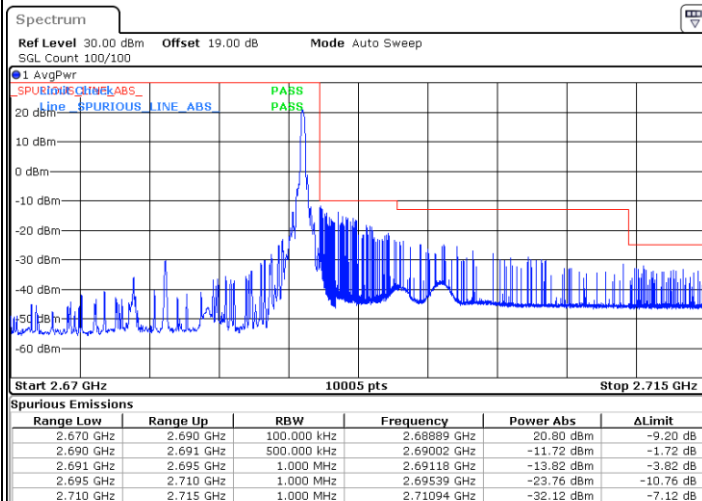


LTE Band 41 / 20MHz / 16QAM

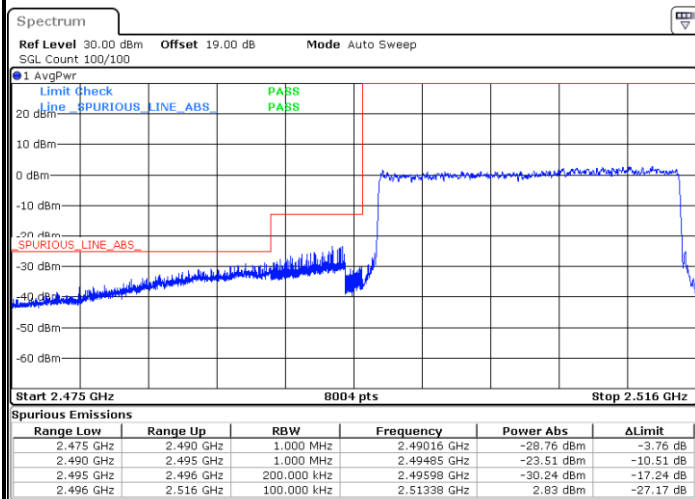
Lowest Band Edge / 1 RB



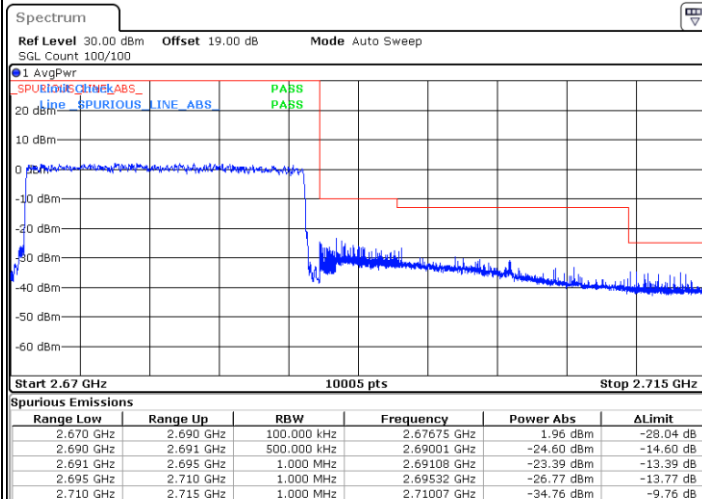
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



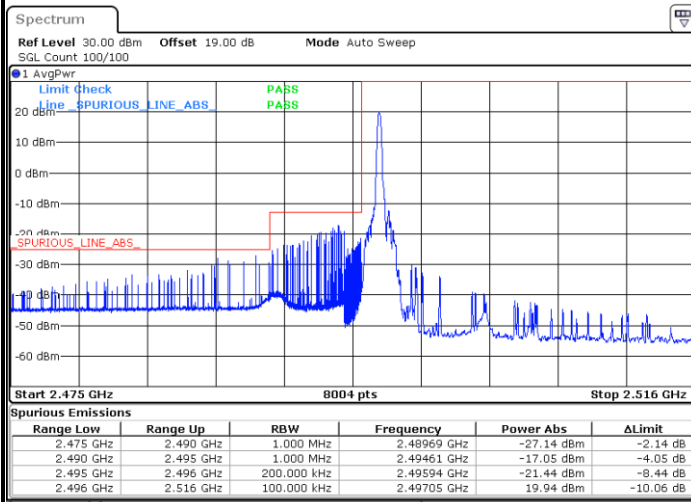
Highest Band Edge / Full RB



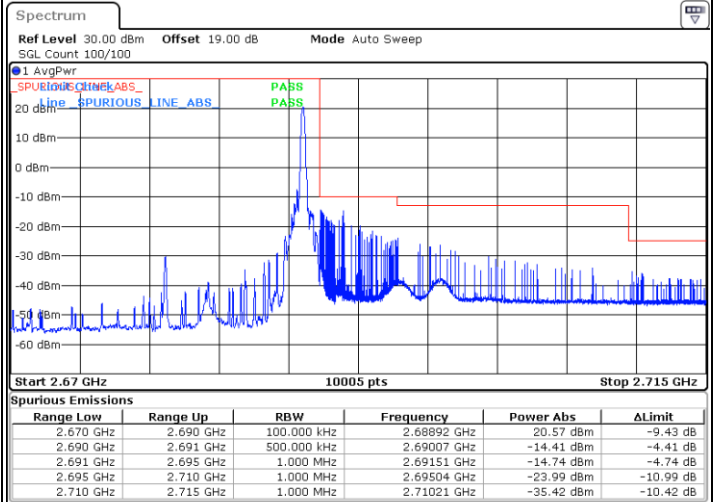


LTE Band 41 / 20MHz / 64QAM

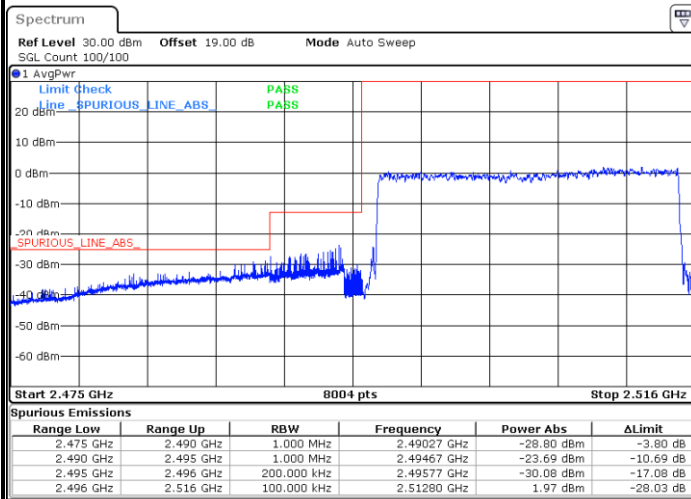
Lowest Band Edge / 1 RB



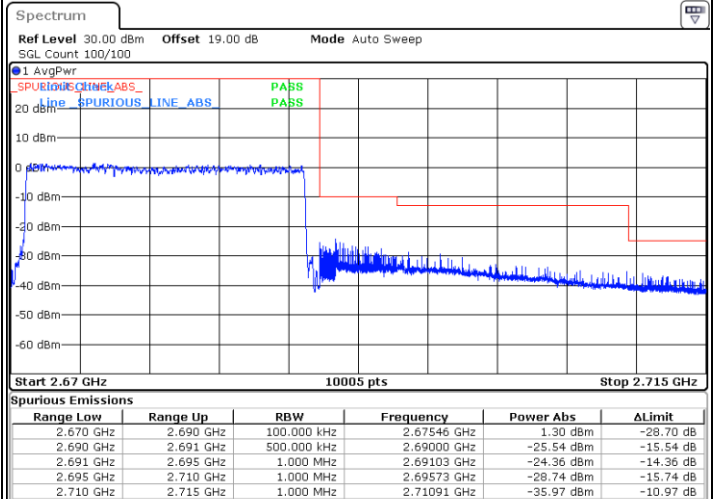
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

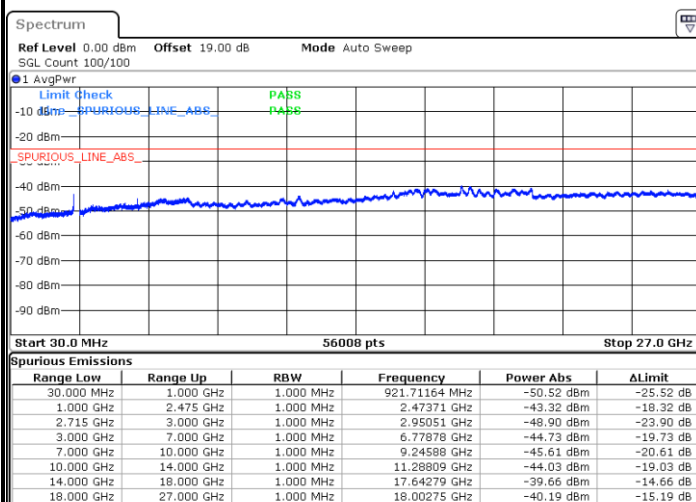




Conducted Spurious Emission

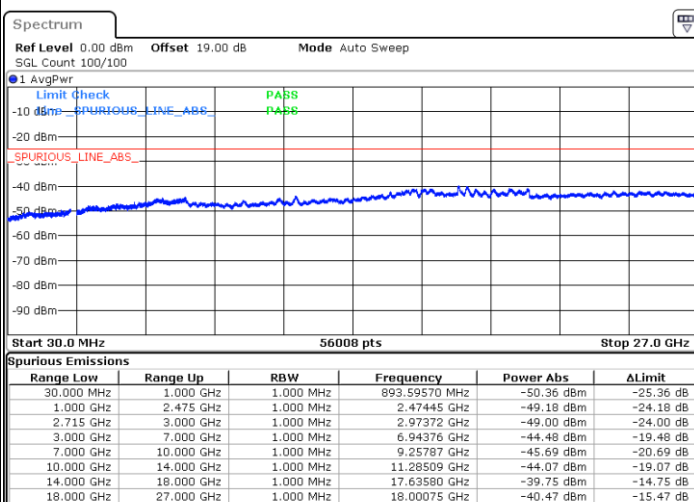
LTE Band 41 / 5MHz

Lowest Channel / QPSK



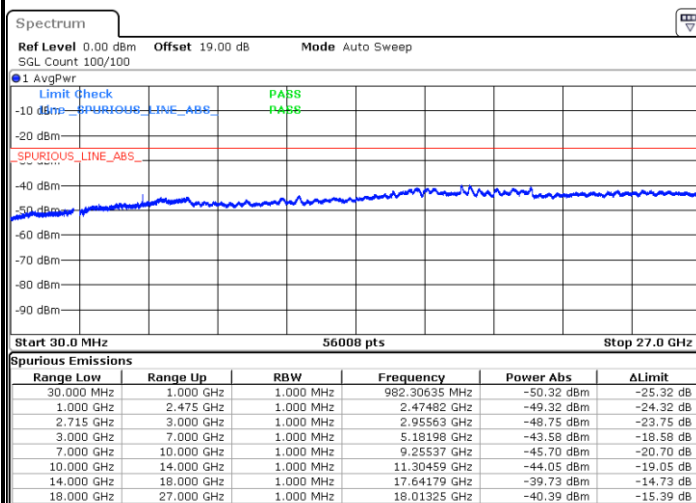
Date: 8.JUL.2021 20:04:08

Lowest Channel / 16QAM



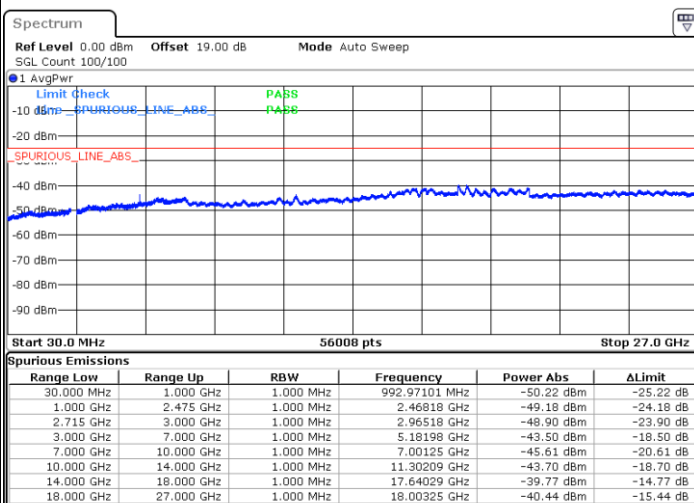
Date: 8.JUL.2021 20:05:20

Middle Channel / QPSK



Date: 8.JUL.2021 20:06:20

Middle Channel / 16QAM

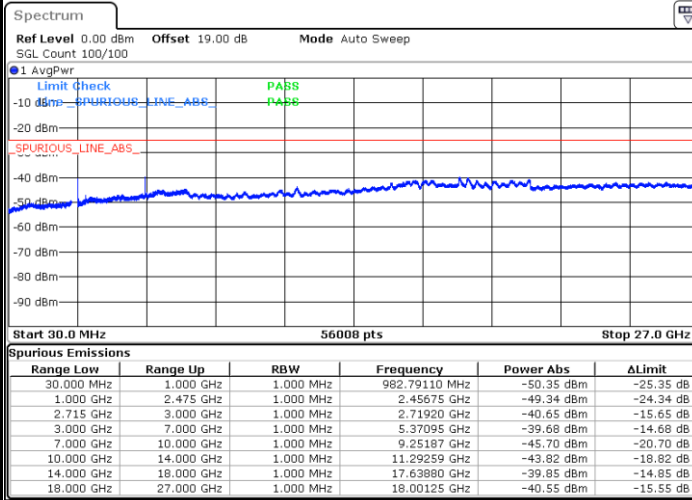


Date: 8.JUL.2021 20:07:19



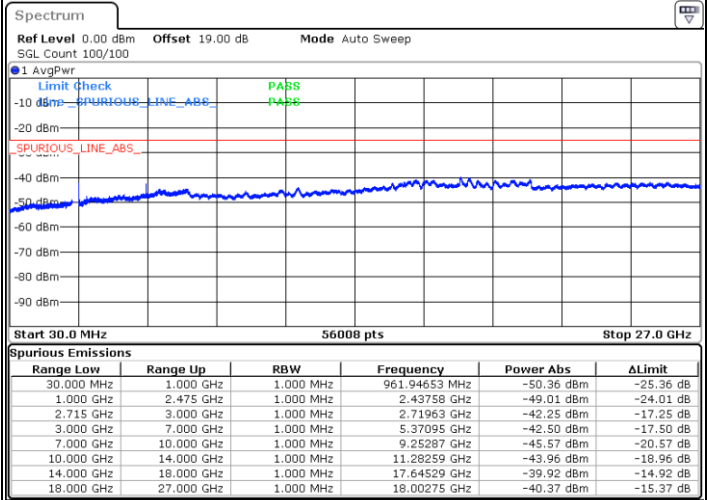
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 8.JUL.2021 20:08:19

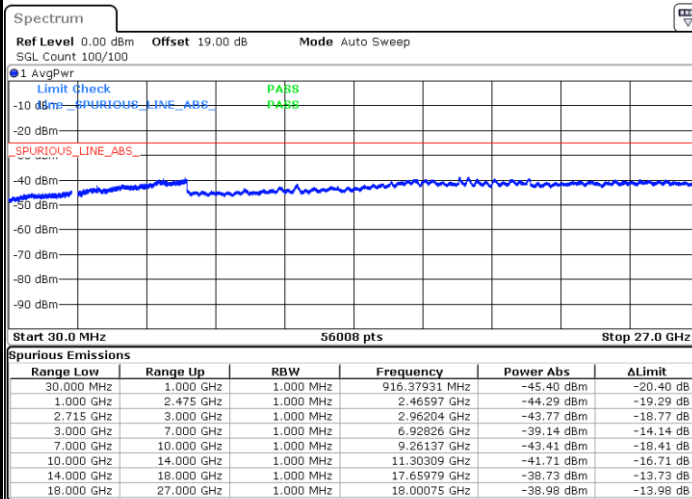
Highest Channel / 16QAM



Date: 8.JUL.2021 20:09:18

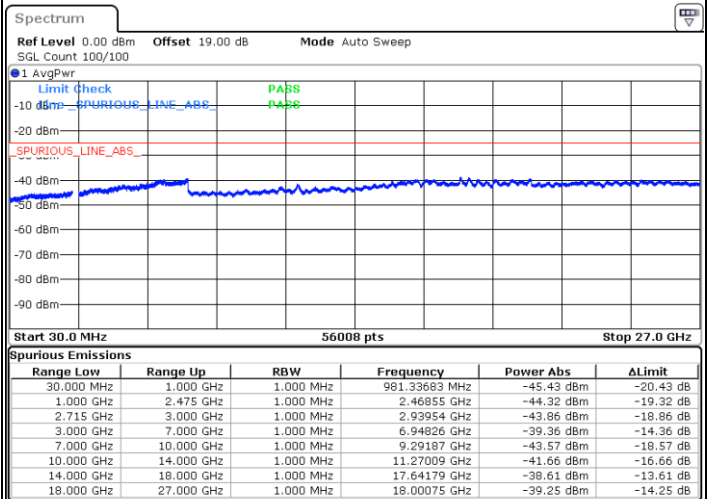
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 8.JUL.2021 20:16:14

Lowest Channel / 16QAM

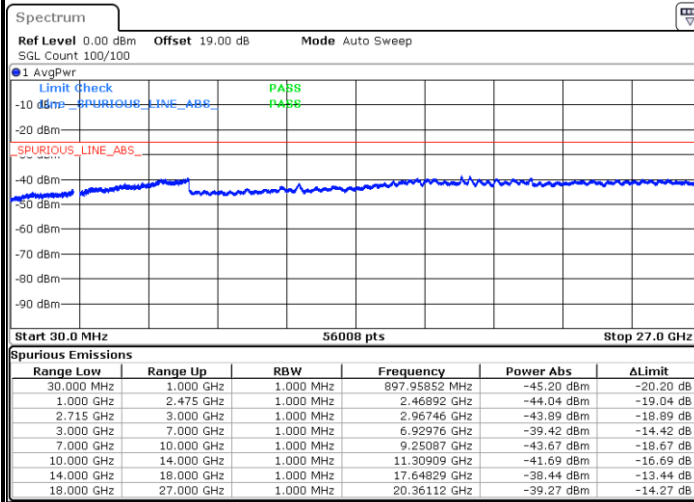


Date: 8.JUL.2021 20:17:13



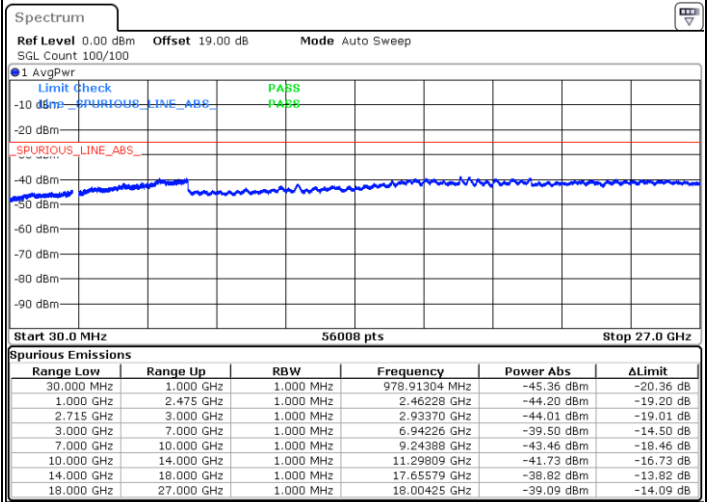
LTE Band 41 / 10MHz

Middle Channel / QPSK



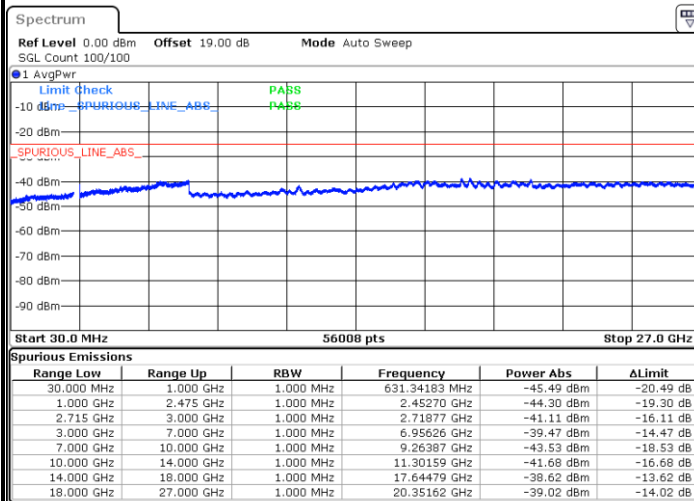
Date: 8.JUL.2021 20:18:12

Middle Channel / 16QAM



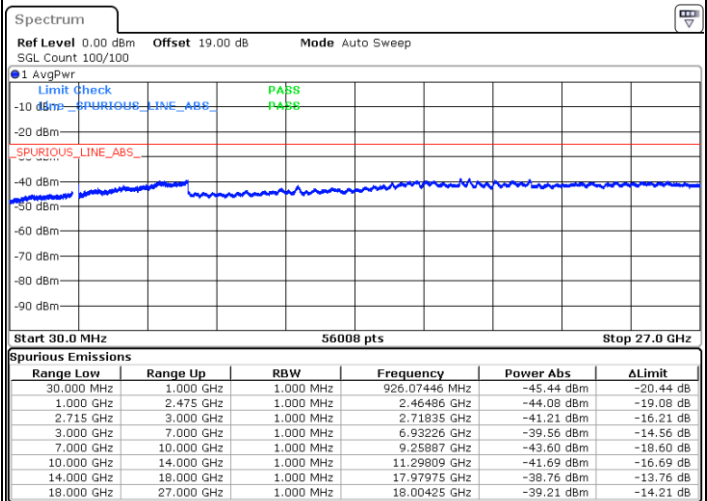
Date: 8.JUL.2021 20:19:12

Highest Channel / QPSK



Date: 8.JUL.2021 20:20:11

Highest Channel / 16QAM

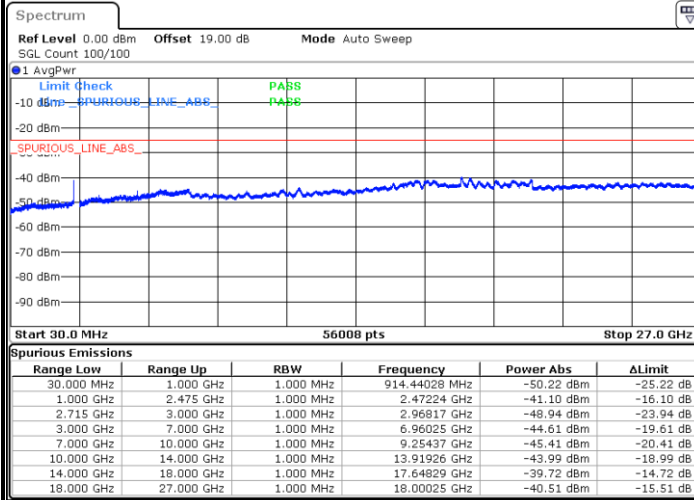


Date: 8.JUL.2021 20:21:11



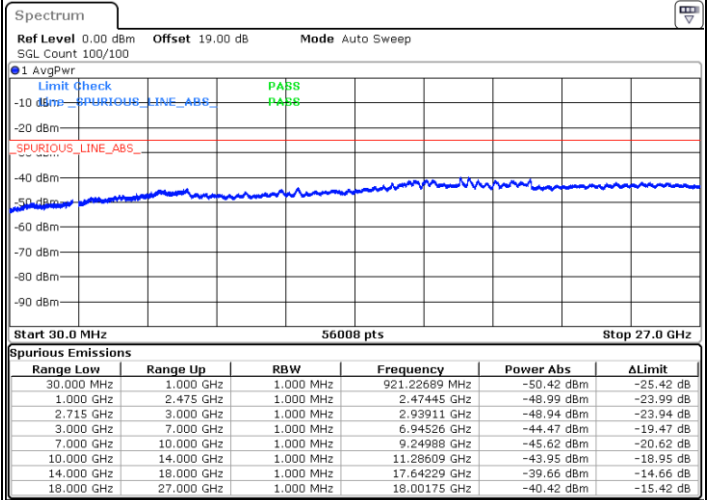
LTE Band 41 / 15MHz

Lowest Channel / QPSK



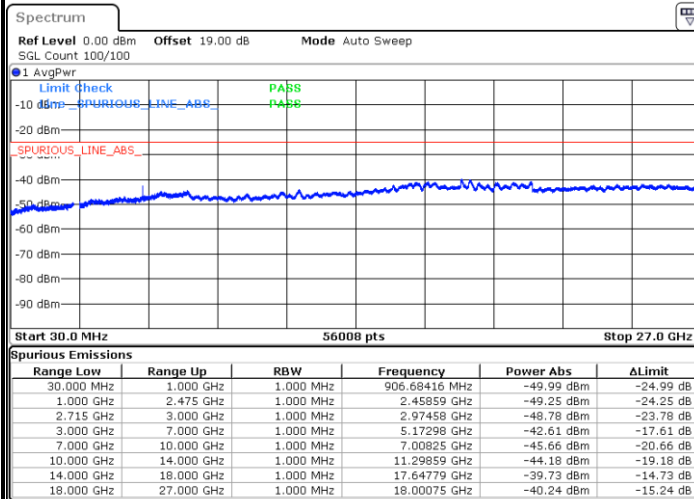
Date: 8.JUL.2021 20:22:10

Lowest Channel / 16QAM



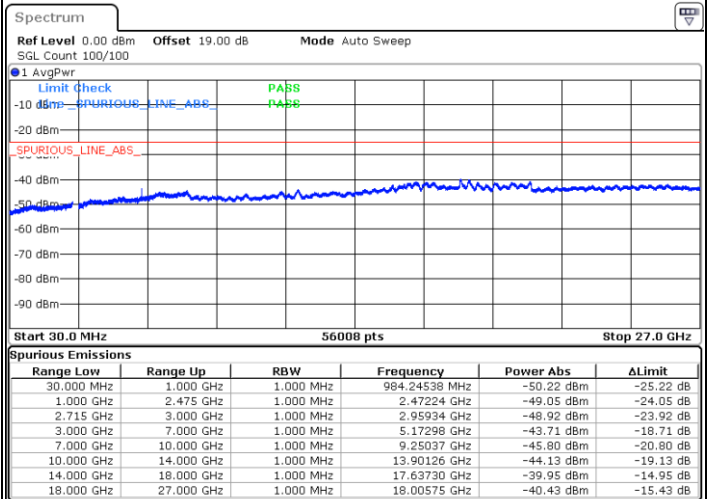
Date: 8.JUL.2021 20:23:09

Middle Channel / QPSK



Date: 8.JUL.2021 20:24:09

Middle Channel / 16QAM

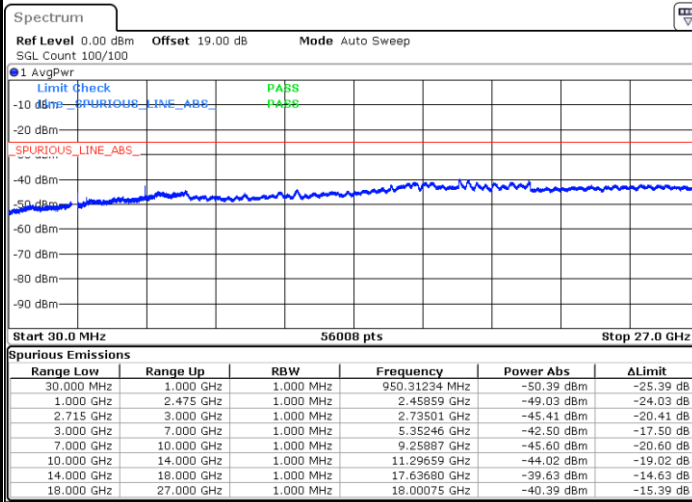


Date: 8.JUL.2021 20:25:08



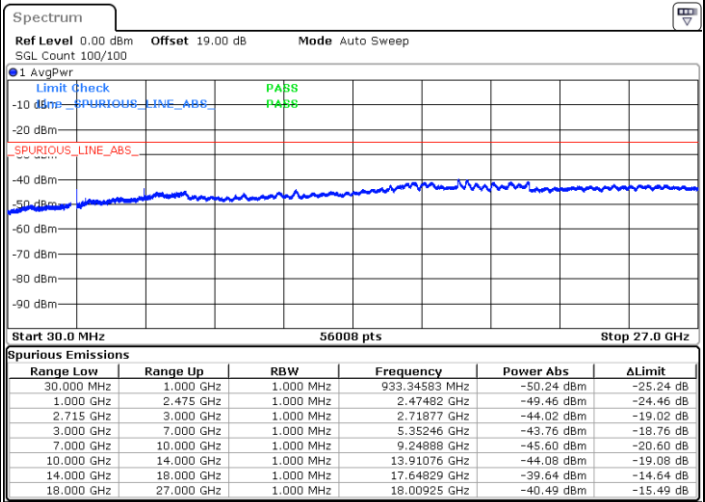
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 8.JUL.2021 20:26:08

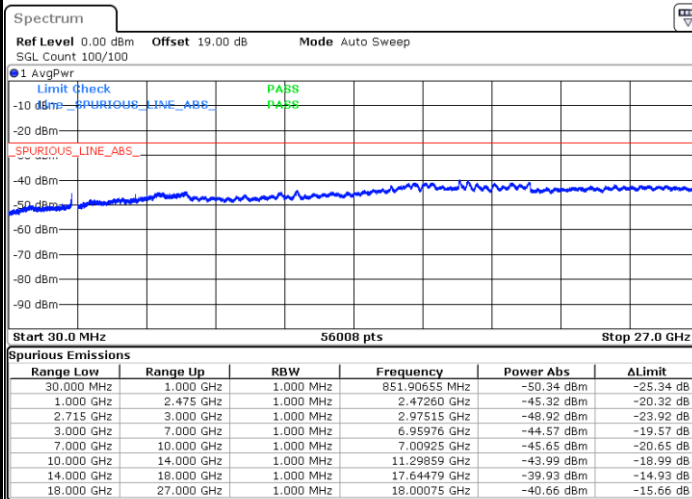
Highest Channel / 16QAM



Date: 8.JUL.2021 20:27:07

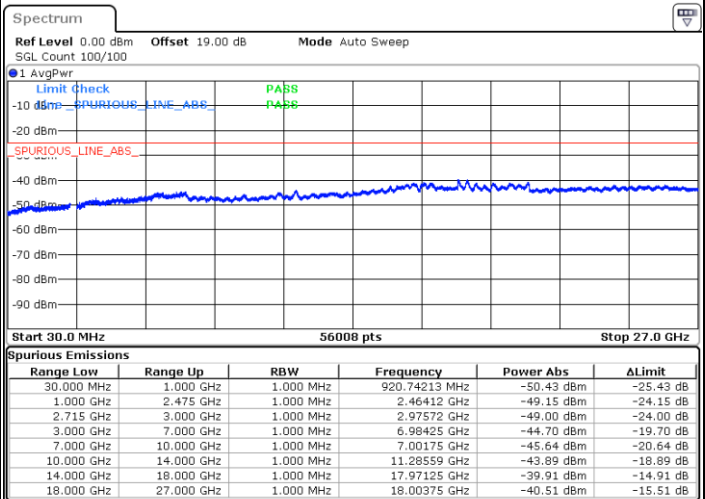
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 8.JUL.2021 20:31:05

Lowest Channel / 16QAM

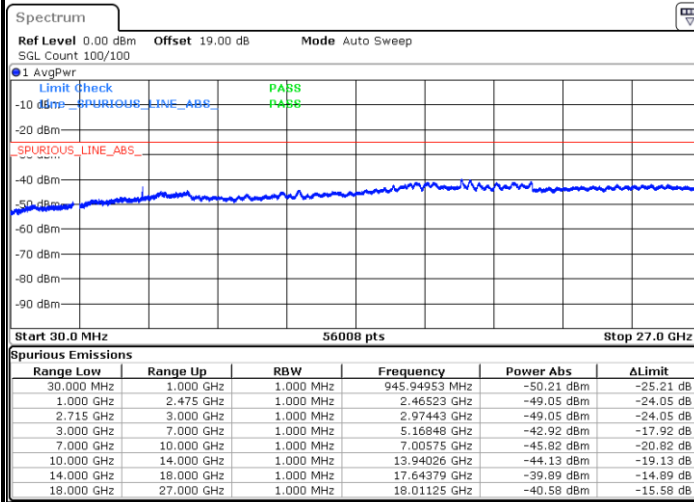


Date: 8.JUL.2021 20:32:04



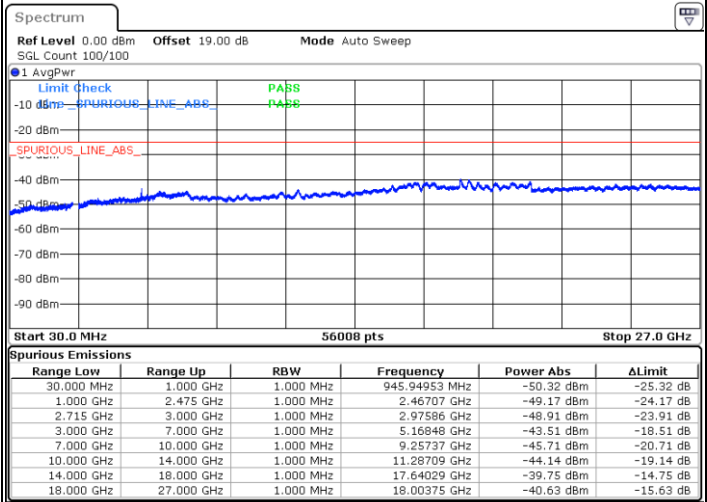
LTE Band 41 / 20MHz

Middle Channel / QPSK



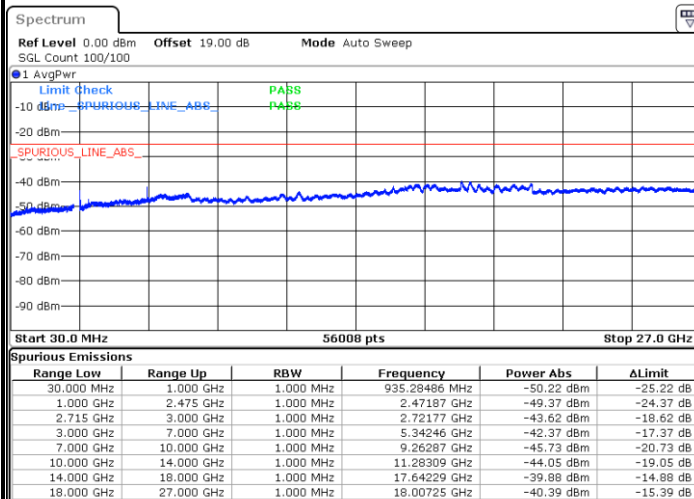
Date: 8.JUL.2021 20:33:03

Middle Channel / 16QAM



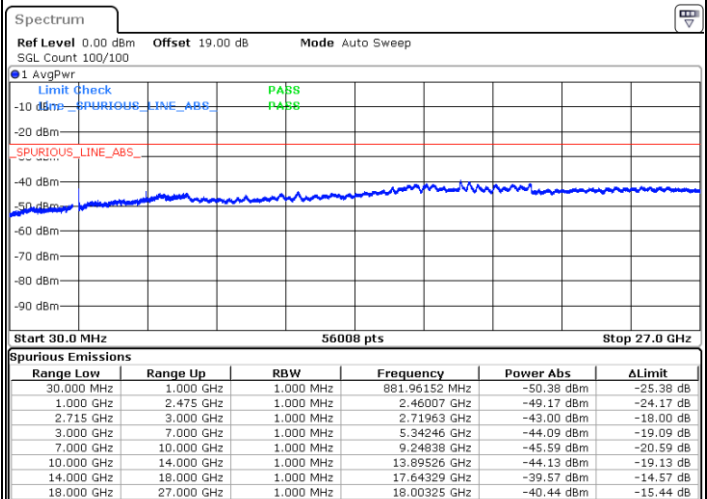
Date: 8.JUL.2021 20:34:03

Highest Channel / QPSK



Date: 8.JUL.2021 20:35:02

Highest Channel / 16QAM

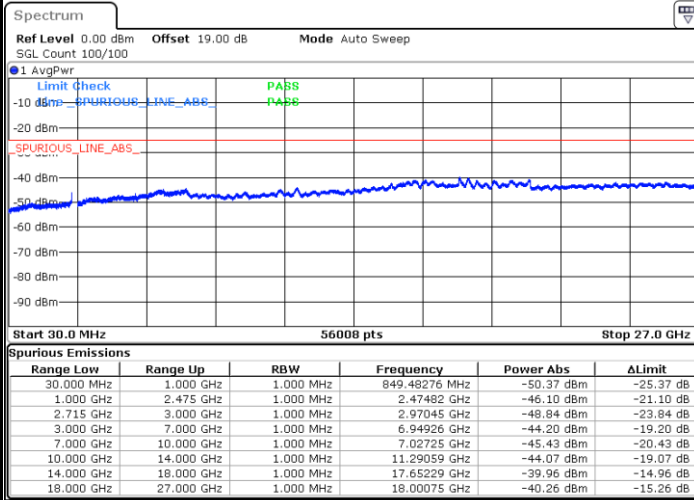


Date: 8.JUL.2021 20:36:02



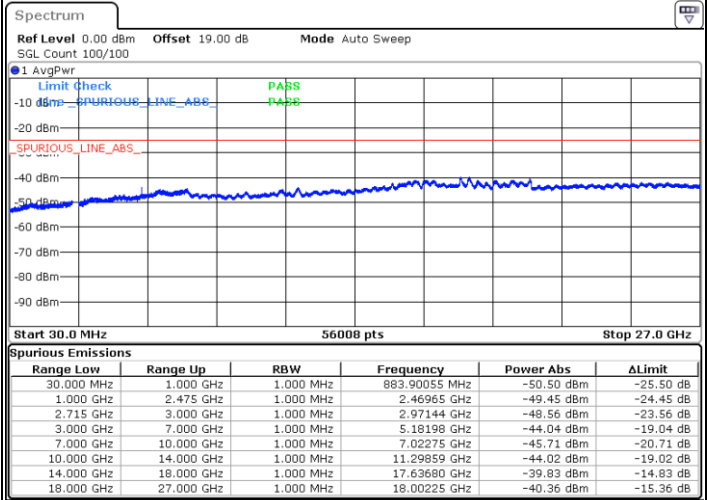
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



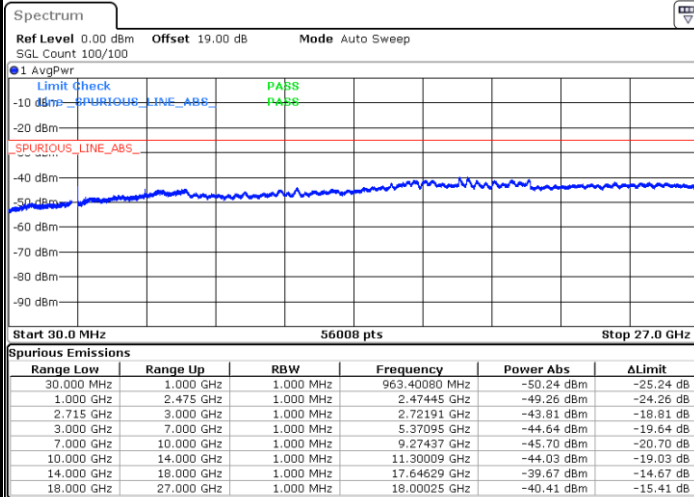
Date: 8.JUL.2021 20:10:17

Middle Channel / 64QAM



Date: 8.JUL.2021 20:11:17

Highest Channel / 64QAM

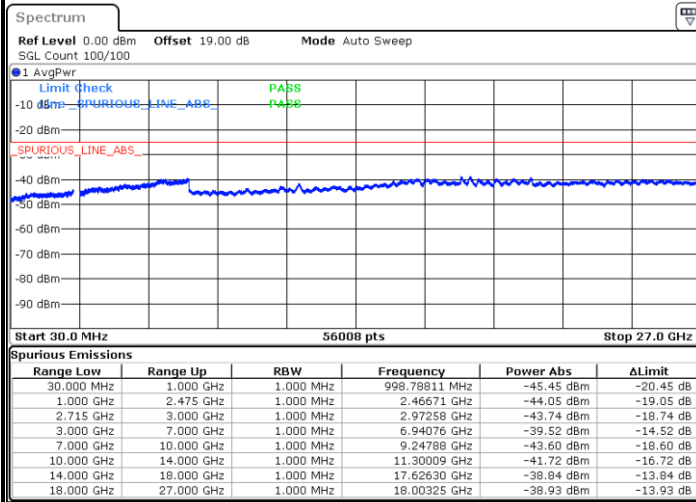


Date: 8.JUL.2021 20:12:16



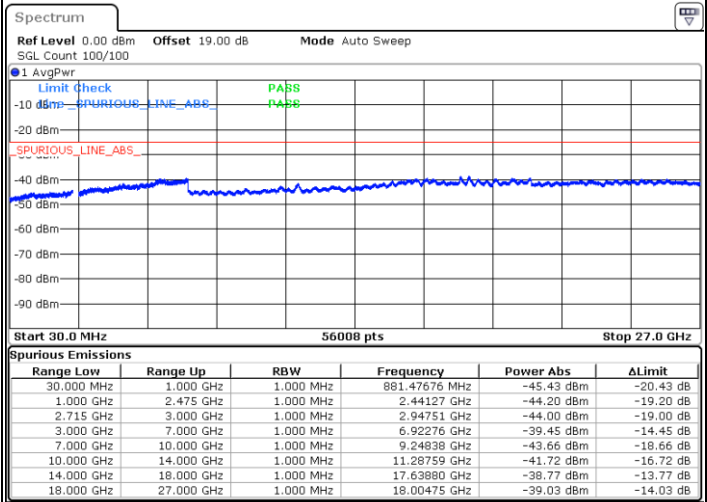
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



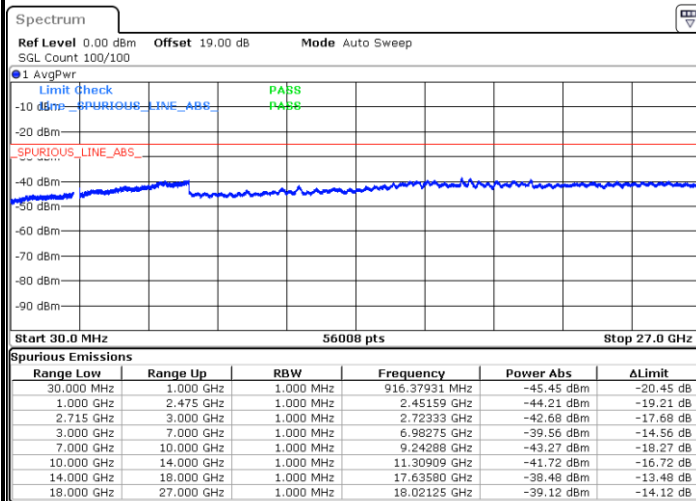
Date: 8.JUL.2021 20:13:15

Middle Channel / 64QAM



Date: 8.JUL.2021 20:14:15

Highest Channel / 64QAM

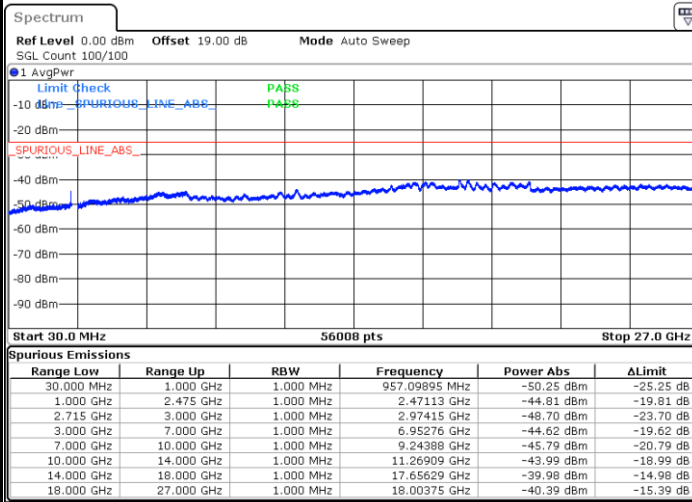


Date: 8.JUL.2021 20:15:14



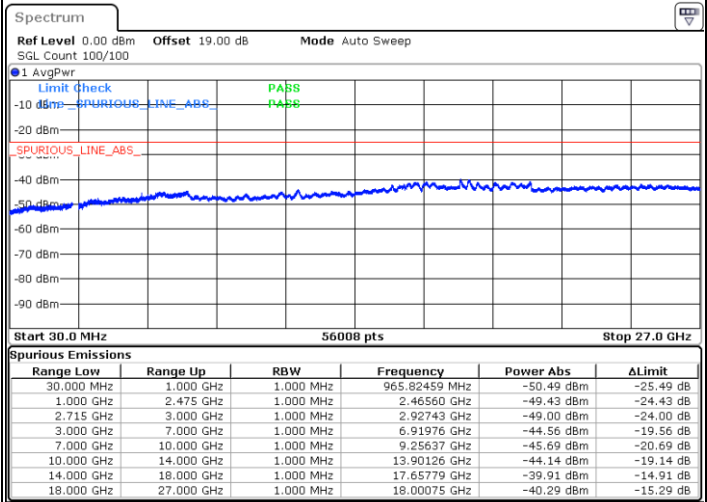
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



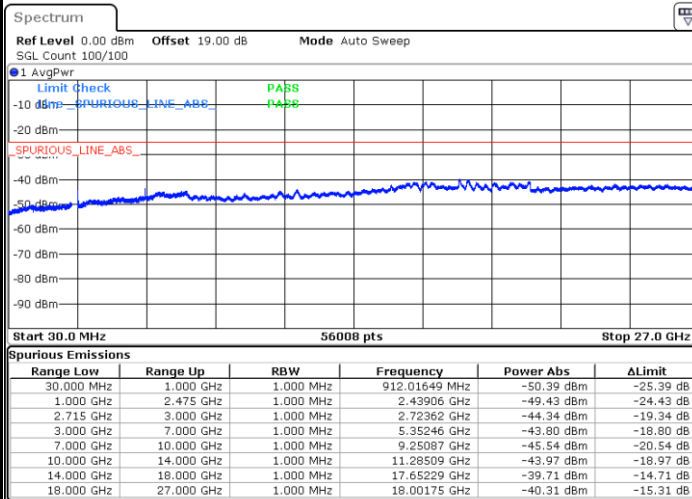
Date: 8.JUL.2021 20:28:06

Middle Channel / 64QAM



Date: 8.JUL.2021 20:29:06

Highest Channel / 64QAM

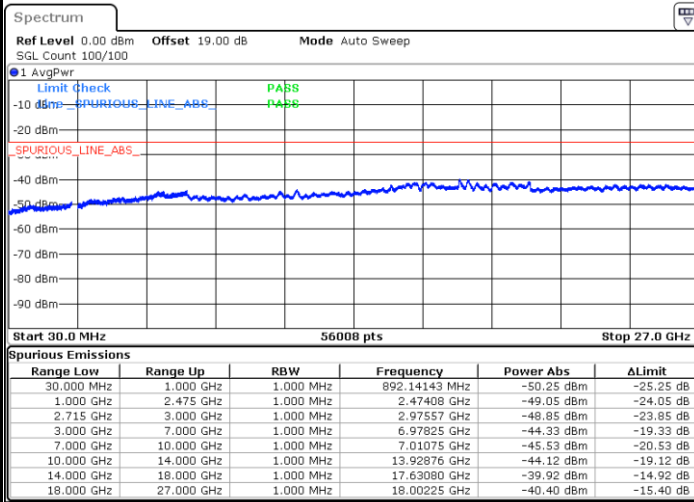


Date: 8.JUL.2021 20:30:05



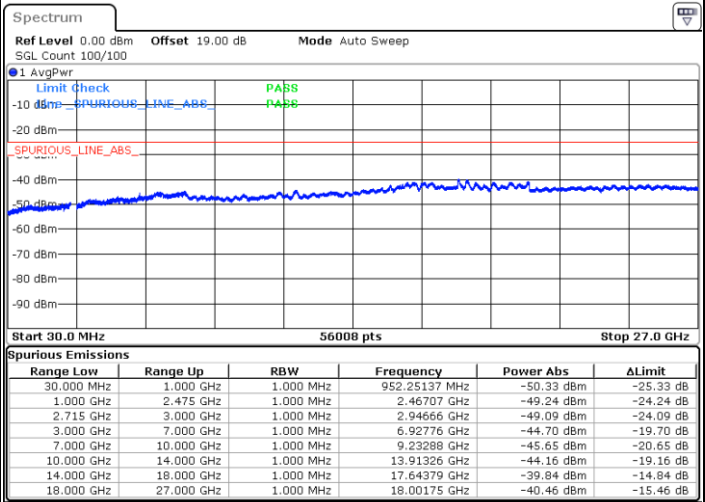
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



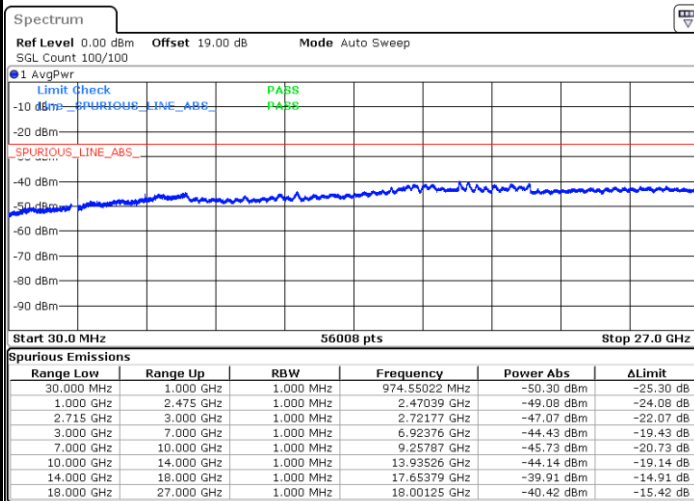
Date: 8.JUL.2021 20:37:01

Middle Channel / 64QAM



Date: 8.JUL.2021 20:38:01

Highest Channel / 64QAM



Date: 8.JUL.2021 20:39:00

**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	0.0004	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 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

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052.18	-57.99	-25	-32.99	-66.00	-63.55	7.14	12.70	H
	7578.27	-44.39	-25	-19.39	-58.30	-47.69	8.30	11.60	H
	10104.36	-50.46	-25	-25.46	-71.14	-51.98	10.48	12.00	H
	5052.18	-57.12	-25	-32.12	-65.32	-62.68	7.14	12.70	V
	7578.27	-40.78	-25	-15.78	-54.87	-44.08	8.30	11.60	V
	10104.36	-51.31	-25	-26.31	-71.65	-52.83	10.48	12.00	V

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

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168.18	-51.35	-25	-26.35	-59.76	-56.91	7.14	12.70	H
	7752.27	-39.78	-25	-14.78	-54.35	-43.08	8.30	11.60	H
	10336.36	-47.84	-25	-22.84	-69.10	-49.36	10.48	12.00	H
	5168.18	-49.27	-25	-24.27	-57.55	-54.83	7.14	12.70	V
	7752.27	-33.59	-25	-8.59	-48.33	-36.89	8.30	11.60	V
	10336.36	-48.12	-25	-23.12	-69.32	-49.64	10.48	12.00	V

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

LTE Band 41C_CA / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5186.00	-60.92	-25	-35.92	-80.36	-66.48	7.14	12.70	H
	7779.00	-56.20	-25	-31.20	-80.03	-59.50	8.30	11.60	H
	10372.00	-52.43	-25	-27.43	-81.10	-53.95	10.48	12.00	H
	5186.00	-61.10	-25	-36.10	-80.18	-66.66	7.14	12.70	V
	7779.00	-55.80	-25	-30.80	-80.3	-59.10	8.30	11.60	V
	10372.00	-53.51	-25	-28.51	-81.24	-55.03	10.48	12.00	V

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



Appendix D. Reference Report

Please refer to Sporton report number FG151701C which is issued separately.