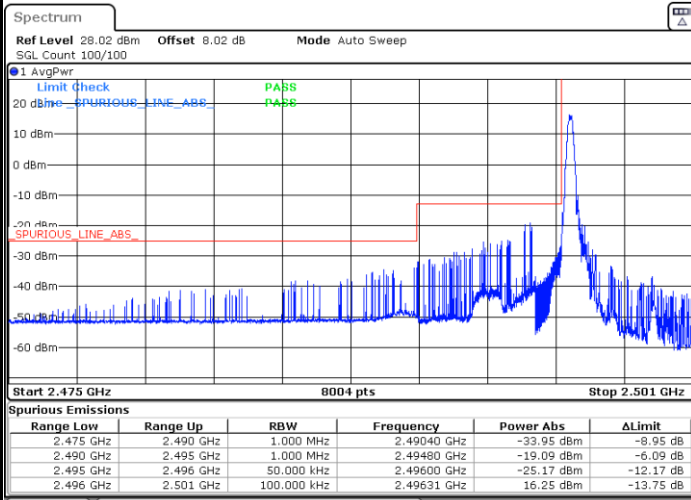




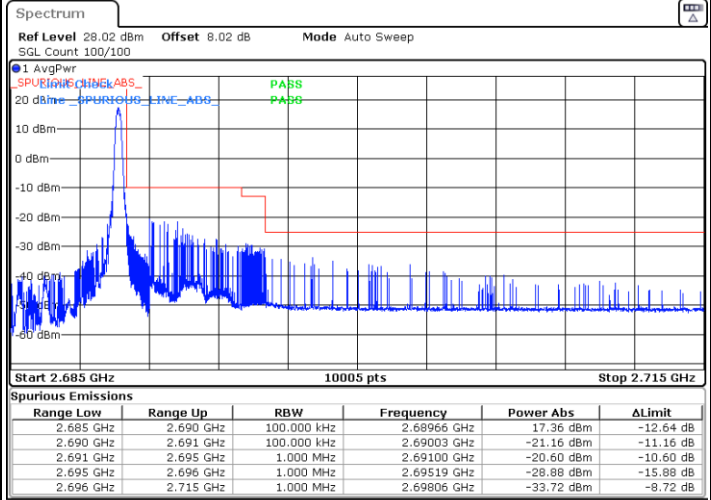
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



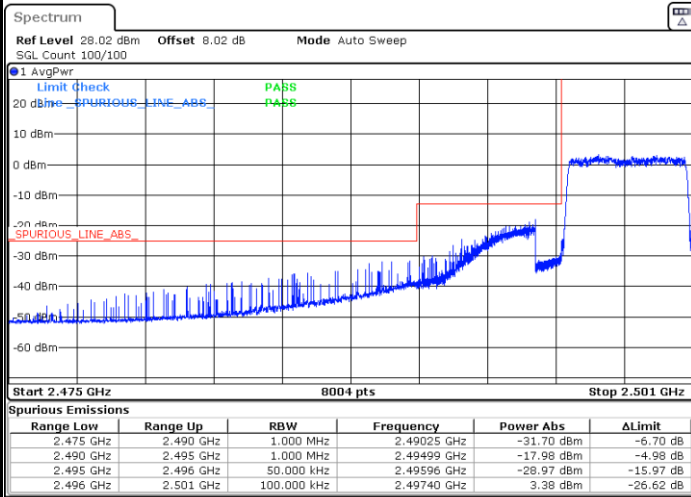
Date: 17.DEC.2021 18:27:53

Highest Band Edge / 1 RB



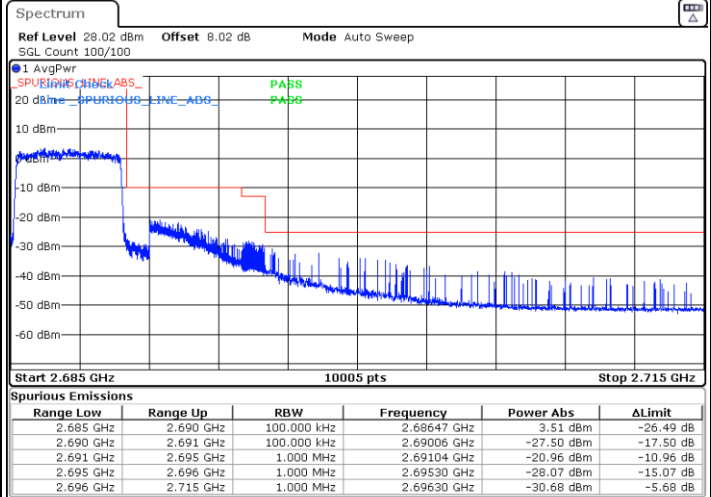
Date: 17.DEC.2021 18:41:08

Lowest Band Edge / Full RB



Date: 17.DEC.2021 18:32:07

Highest Band Edge / Full RB

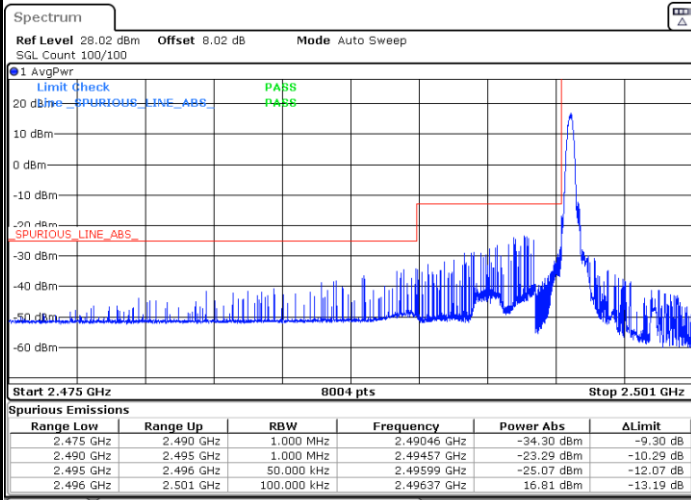


Date: 17.DEC.2021 18:45:18



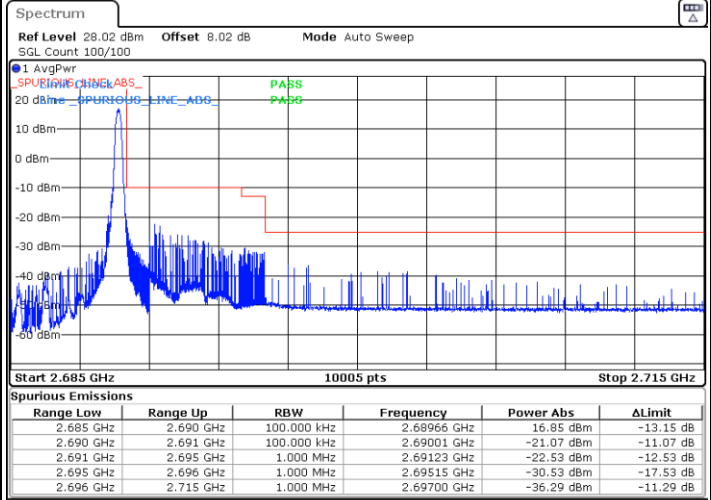
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



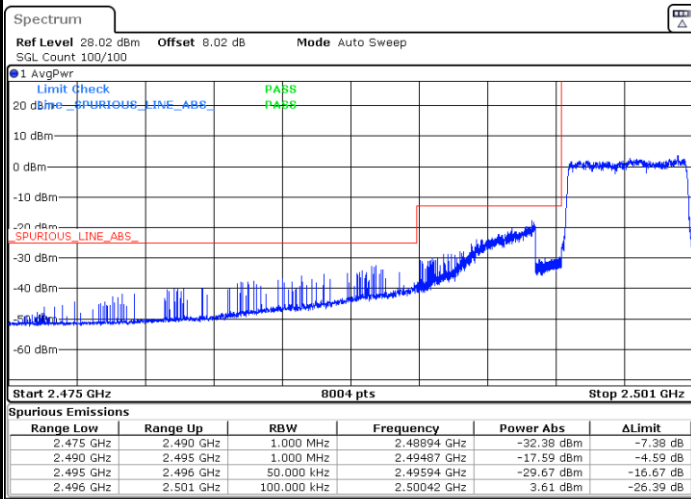
Date: 17.DEC.2021 18:29:17

Highest Band Edge / 1 RB



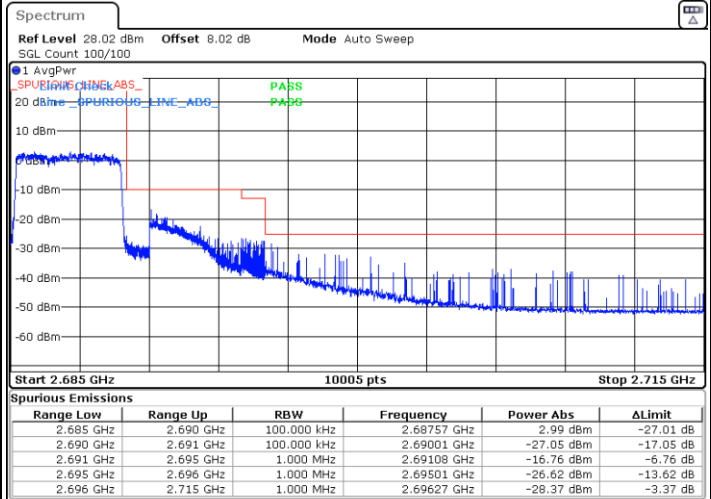
Date: 17.DEC.2021 18:42:31

Lowest Band Edge / Full RB



Date: 17.DEC.2021 18:30:43

Highest Band Edge / Full RB

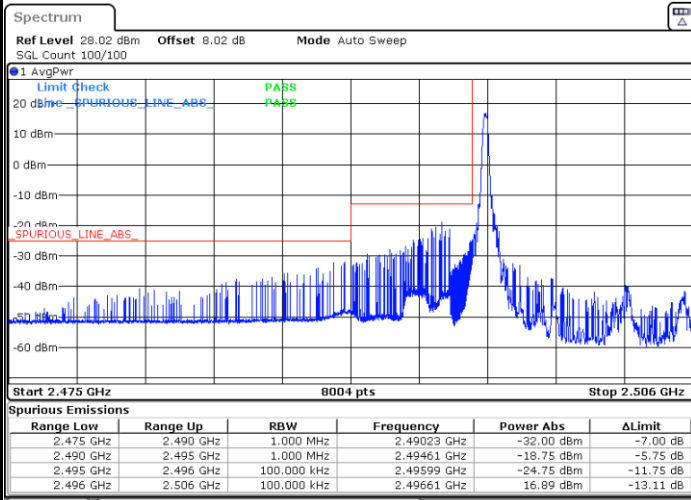


Date: 17.DEC.2021 18:43:54



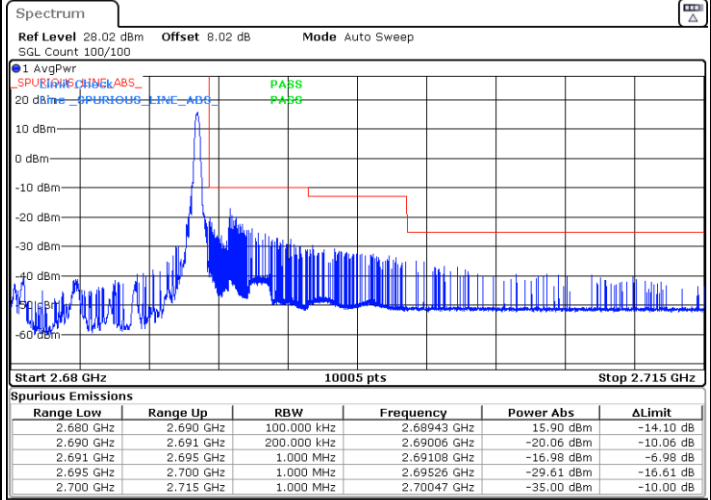
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



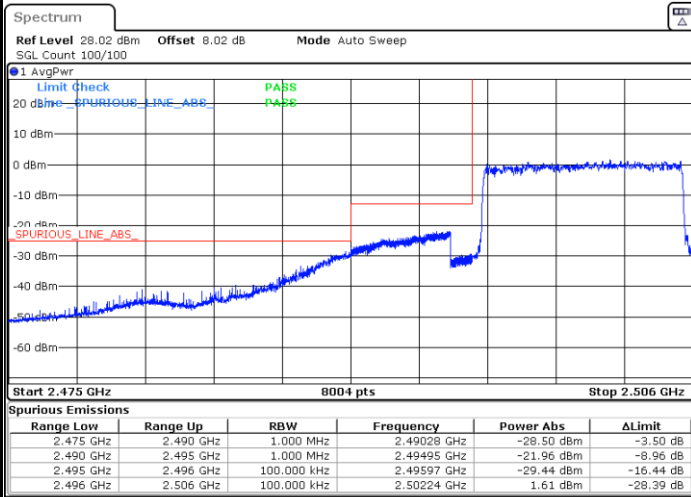
Date: 17.DEC.2021 18:50:23

Highest Band Edge / 1 RB



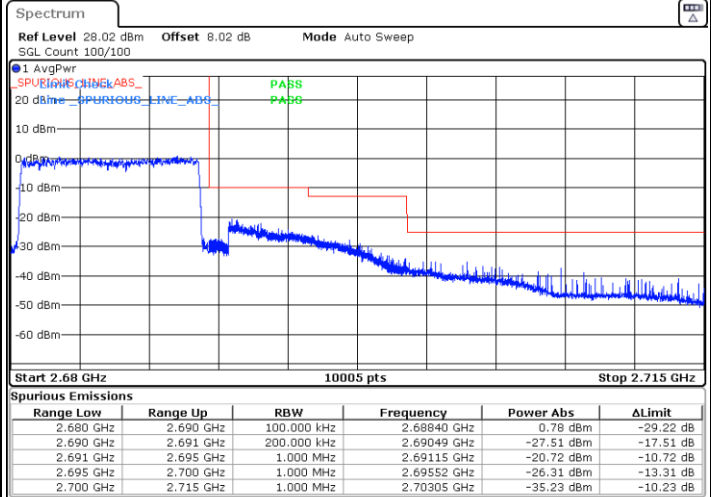
Date: 17.DEC.2021 19:03:39

Lowest Band Edge / Full RB



Date: 17.DEC.2021 18:57:28

Highest Band Edge / Full RB

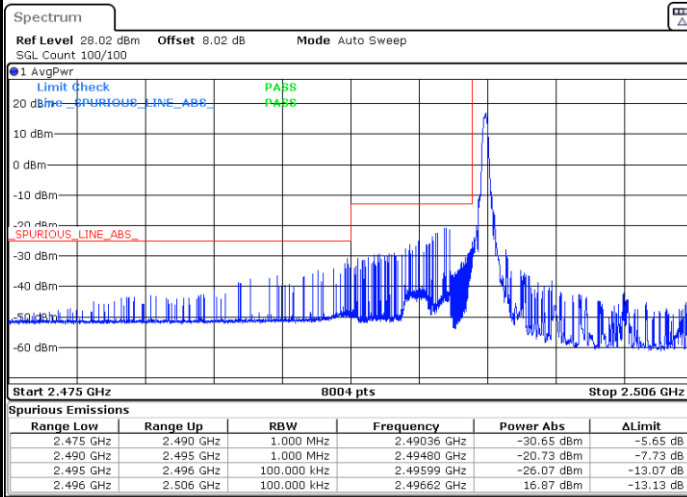


Date: 17.DEC.2021 19:10:36



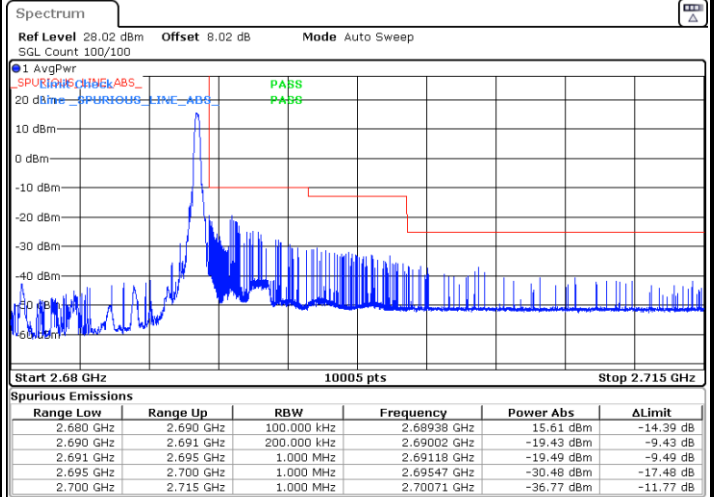
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



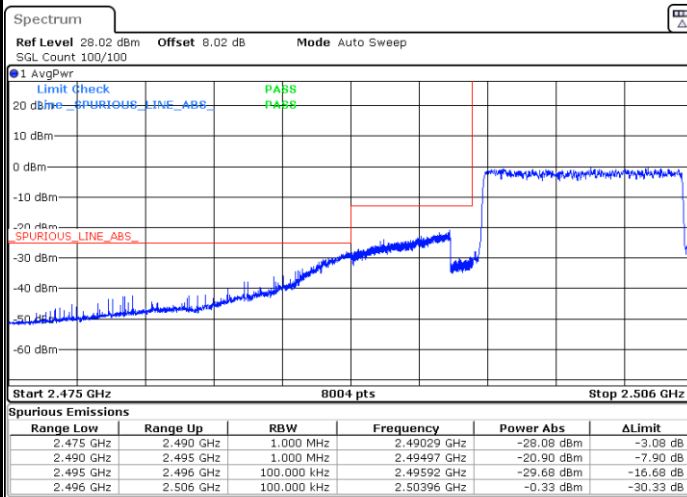
Date: 17.DEC.2021 18:51:48

Highest Band Edge / 1 RB



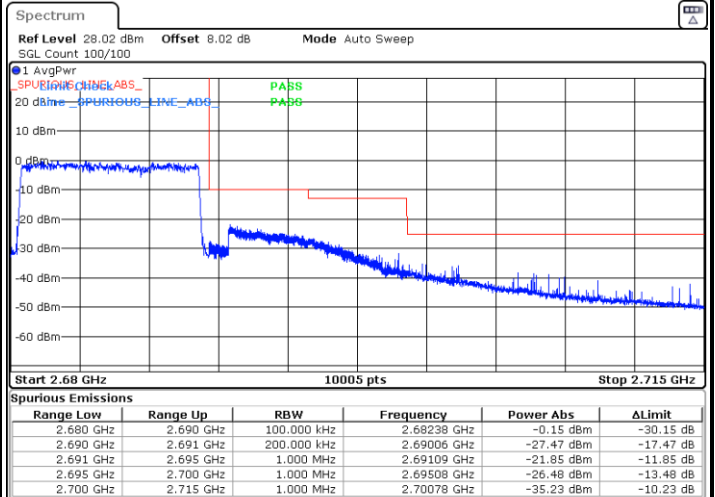
Date: 17.DEC.2021 19:05:02

Lowest Band Edge / Full RB



Date: 17.DEC.2021 18:56:03

Highest Band Edge / Full RB

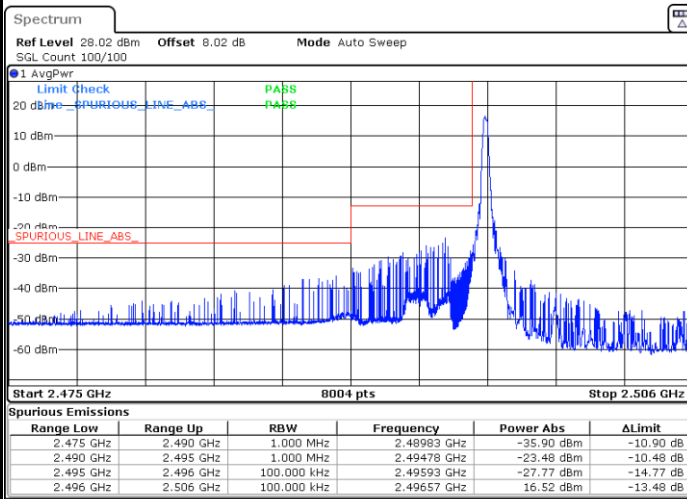


Date: 17.DEC.2021 19:09:13



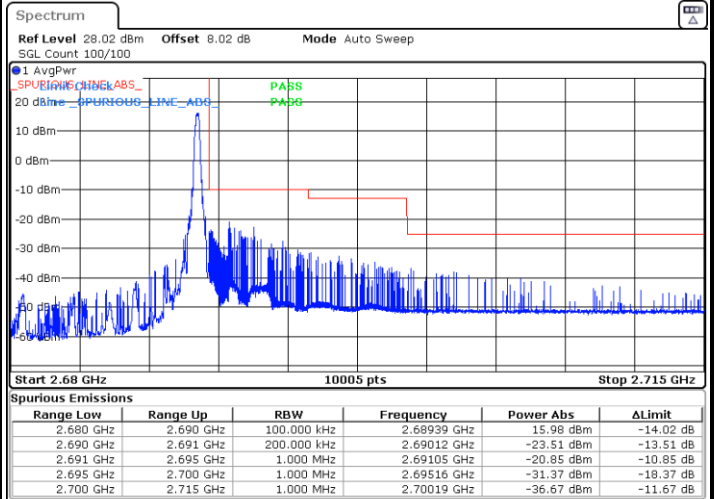
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



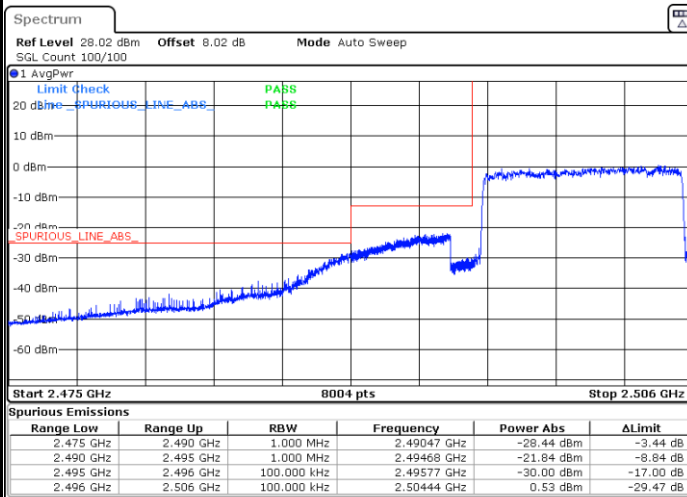
Date: 17.DEC.2021 18:53:13

Highest Band Edge / 1 RB



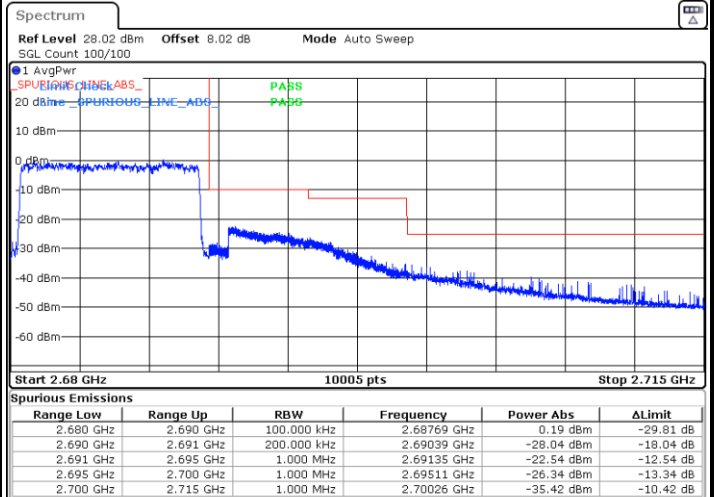
Date: 17.DEC.2021 19:06:26

Lowest Band Edge / Full RB



Date: 17.DEC.2021 18:54:38

Highest Band Edge / Full RB

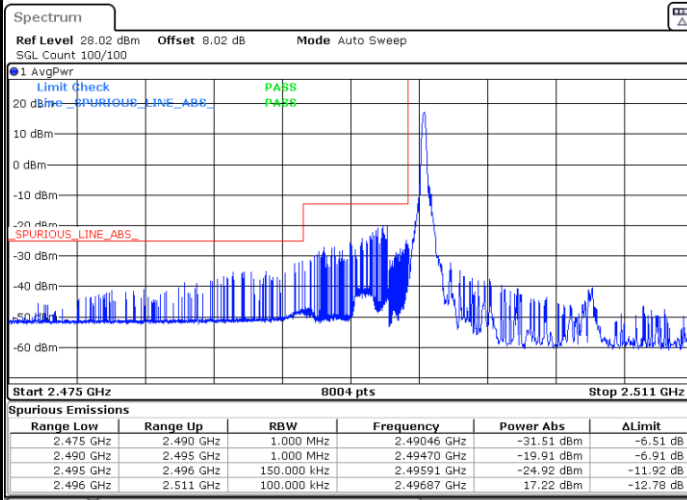


Date: 17.DEC.2021 19:07:49



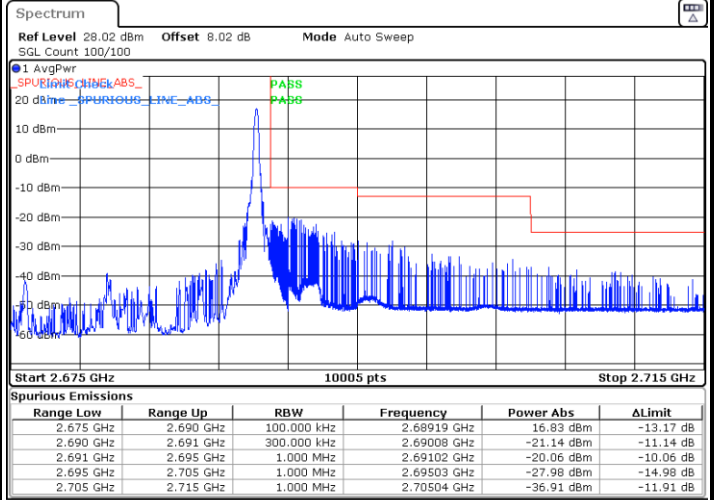
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



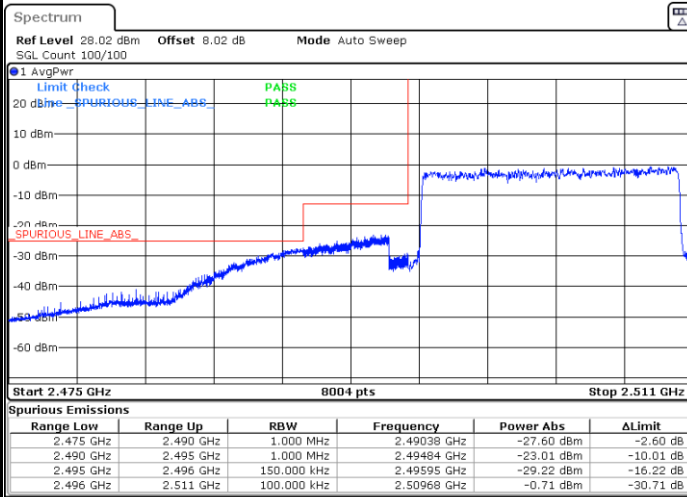
Date: 17.DEC.2021 19:14:17

Highest Band Edge / 1 RB



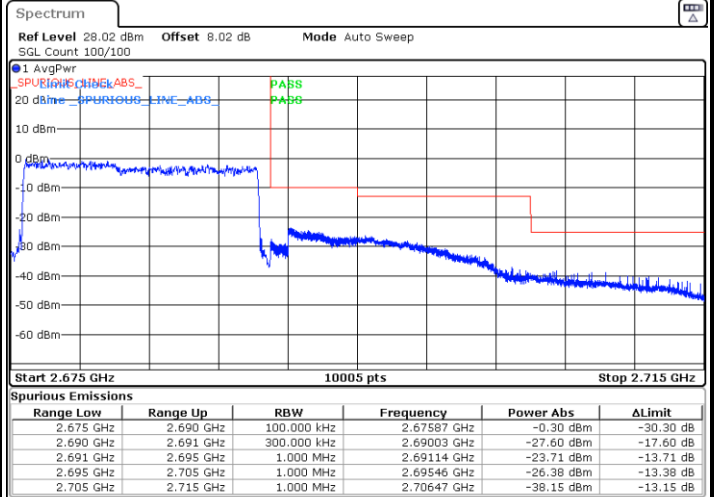
Date: 17.DEC.2021 19:27:34

Lowest Band Edge / Full RB



Date: 17.DEC.2021 19:21:22

Highest Band Edge / Full RB

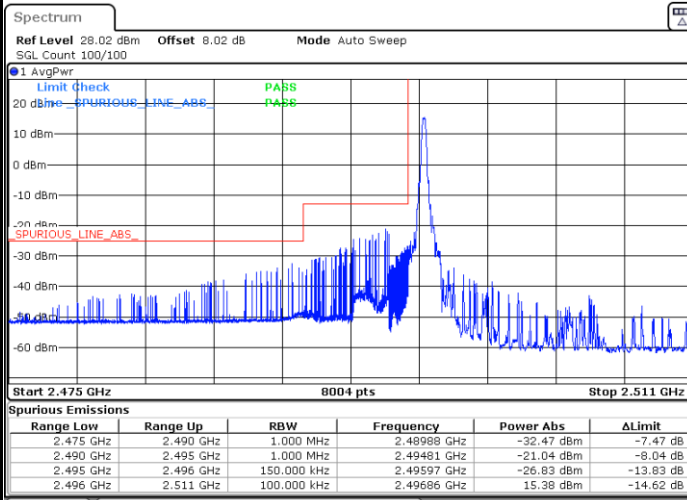


Date: 17.DEC.2021 19:34:30



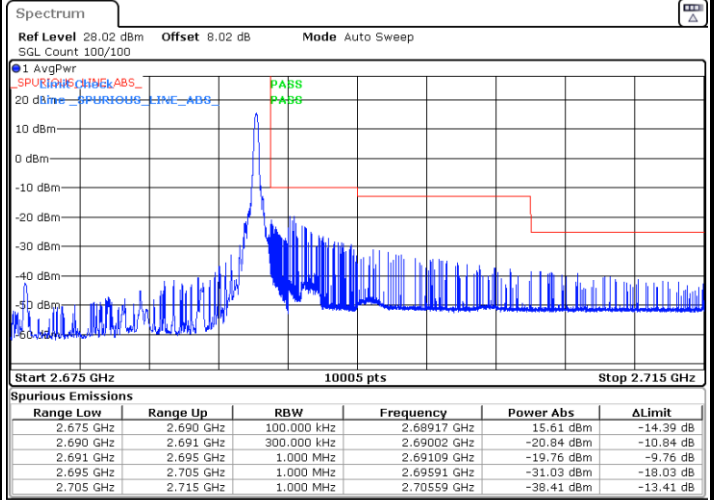
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



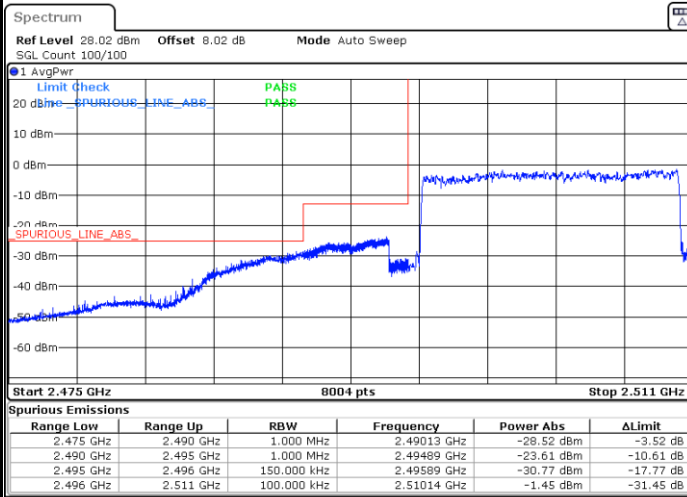
Date: 17.DEC.2021 19:15:42

Highest Band Edge / 1 RB



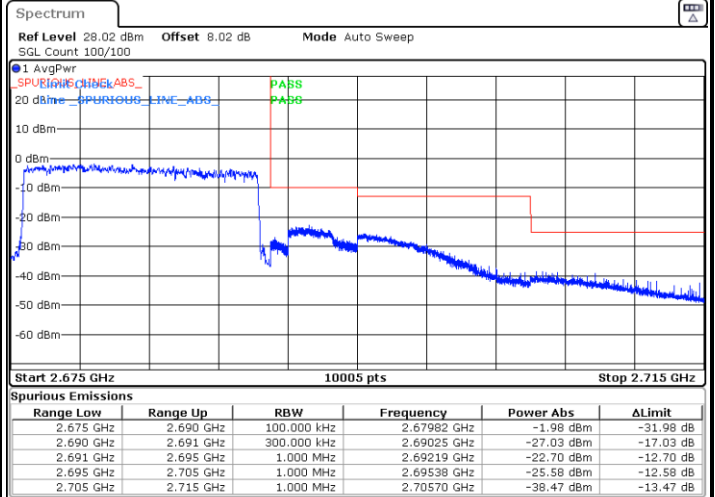
Date: 17.DEC.2021 19:28:57

Lowest Band Edge / Full RB



Date: 17.DEC.2021 19:19:57

Highest Band Edge / Full RB

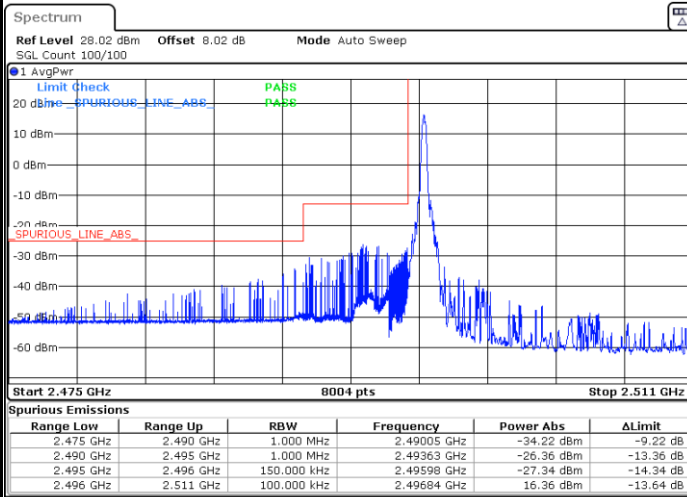


Date: 17.DEC.2021 19:33:07



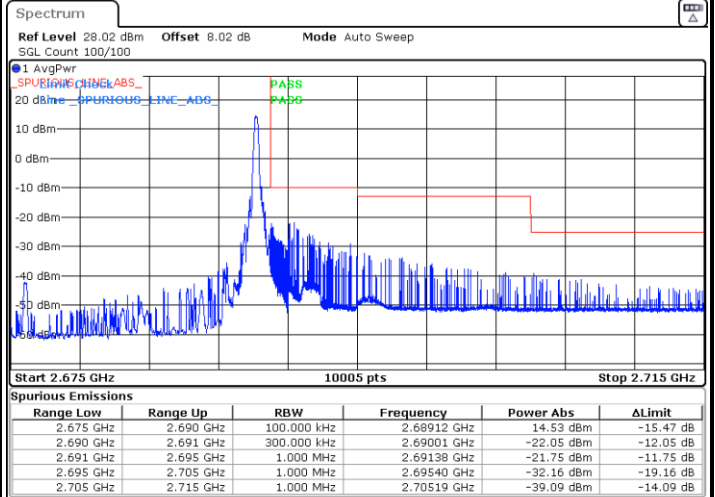
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



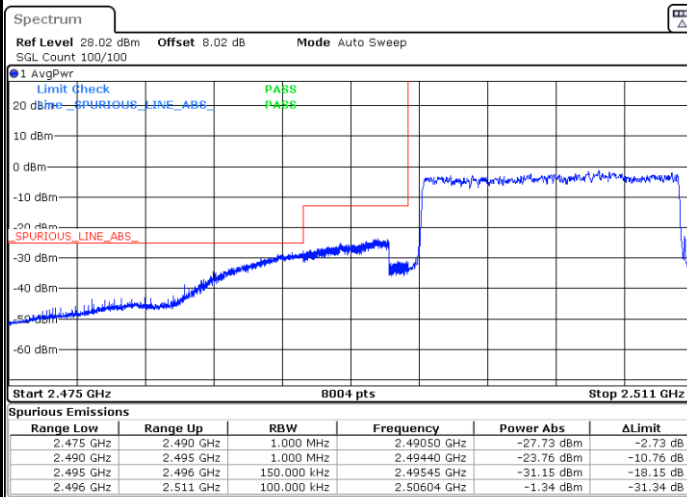
Date: 17.DEC.2021 19:17:07

Highest Band Edge / 1 RB



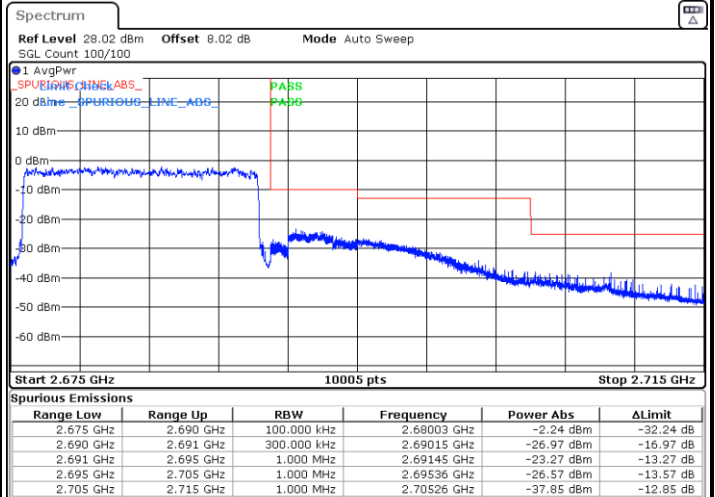
Date: 17.DEC.2021 19:30:21

Lowest Band Edge / Full RB



Date: 17.DEC.2021 19:18:32

Highest Band Edge / Full RB

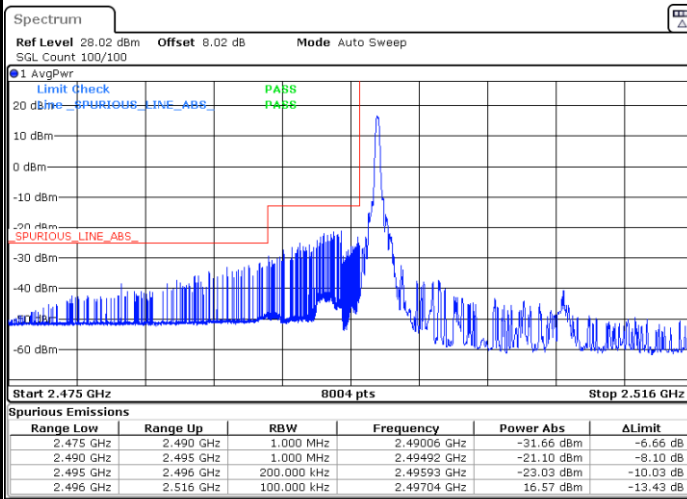


Date: 17.DEC.2021 19:31:44



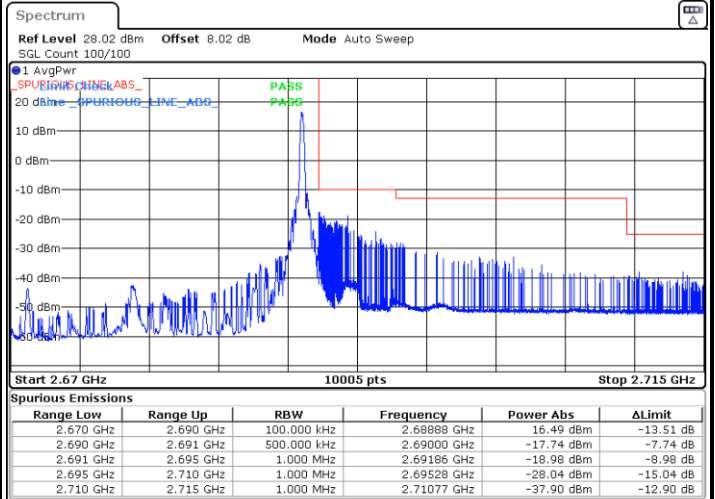
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



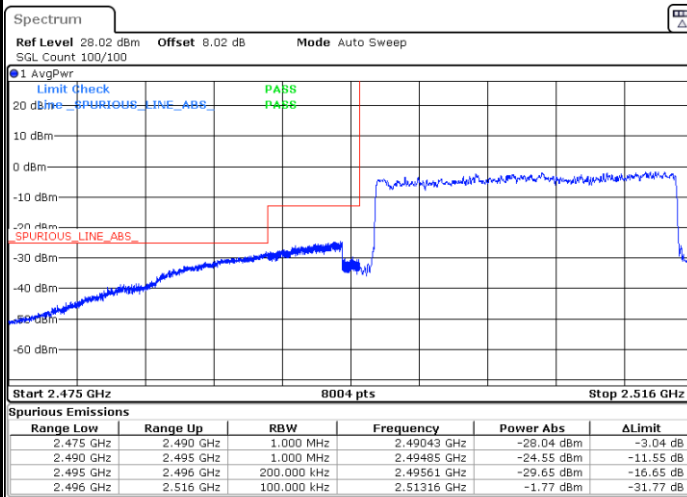
Date: 17.DEC.2021 19:38:11

Highest Band Edge / 1 RB



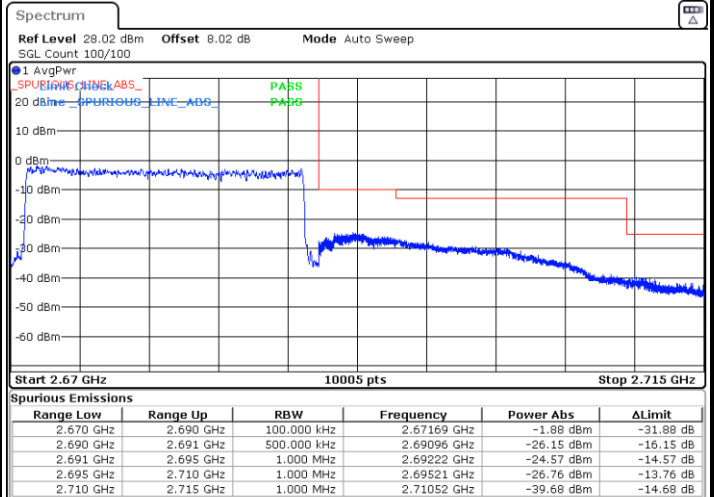
Date: 17.DEC.2021 19:51:28

Lowest Band Edge / Full RB



Date: 17.DEC.2021 19:45:16

Highest Band Edge / Full RB

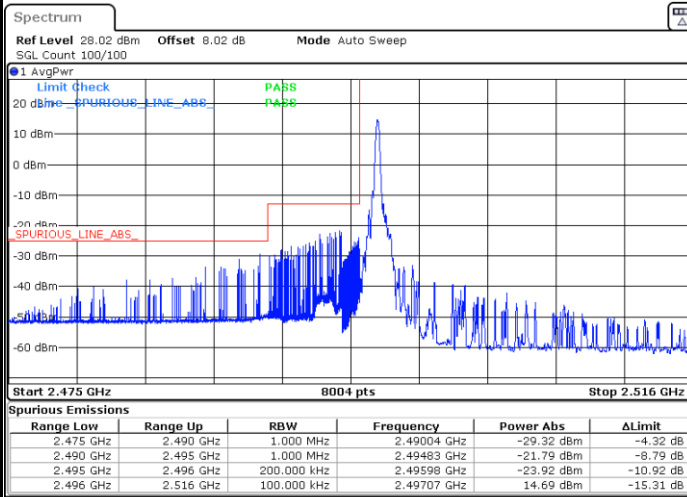


Date: 17.DEC.2021 19:58:25



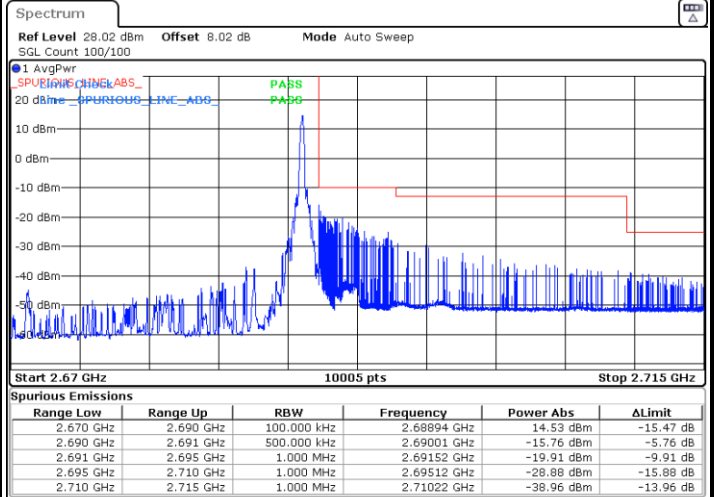
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



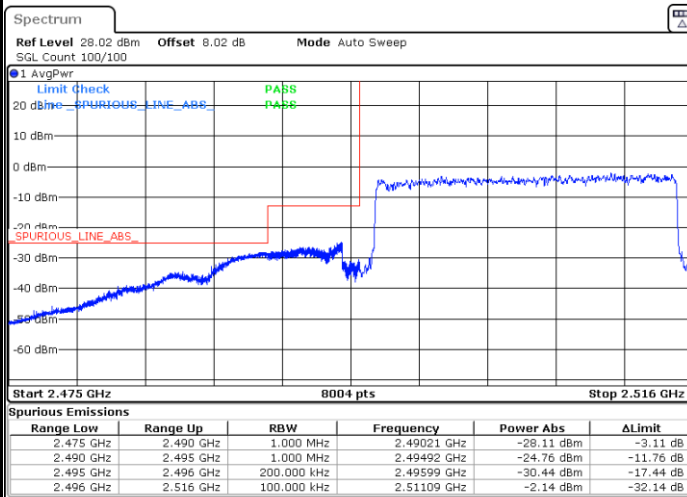
Date: 17.DEC.2021 19:39:36

Highest Band Edge / 1 RB



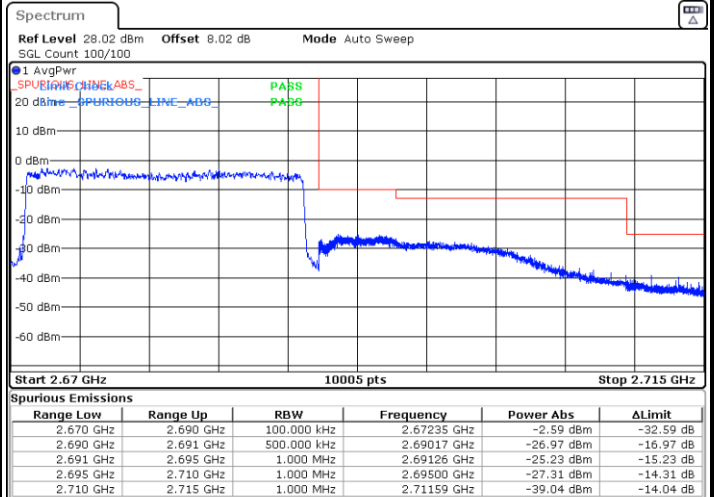
Date: 17.DEC.2021 19:52:51

Lowest Band Edge / Full RB



Date: 17.DEC.2021 19:43:51

Highest Band Edge / Full RB

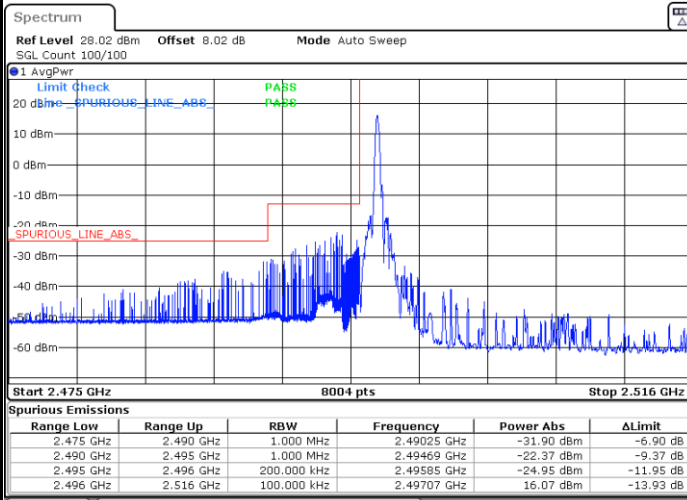


Date: 17.DEC.2021 19:57:01



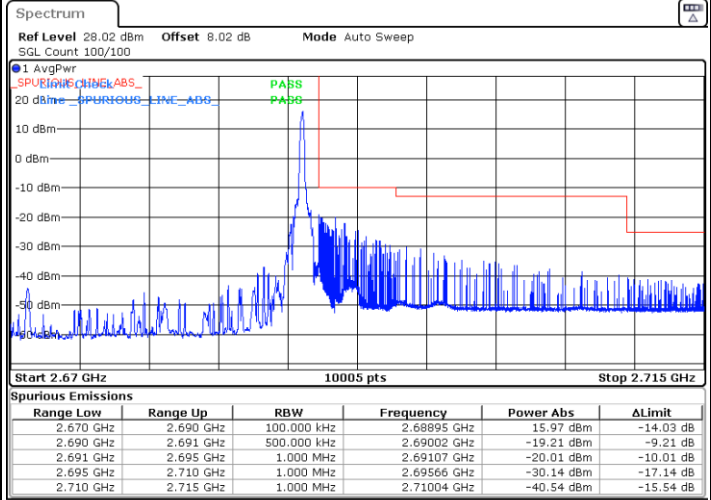
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



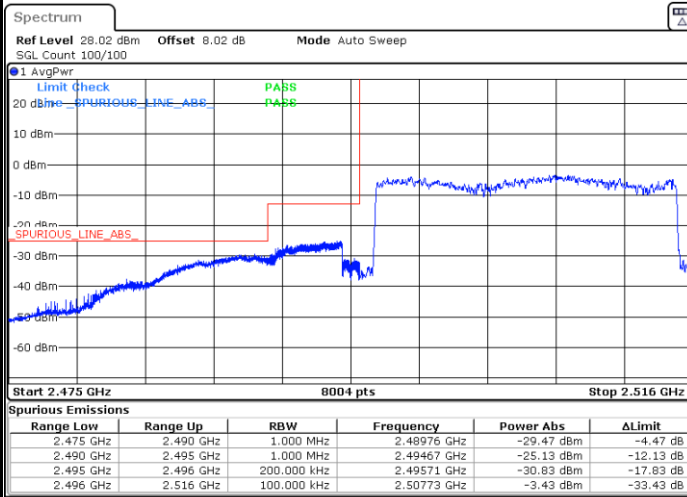
Date: 17.DEC.2021 19:41:02

Highest Band Edge / 1 RB



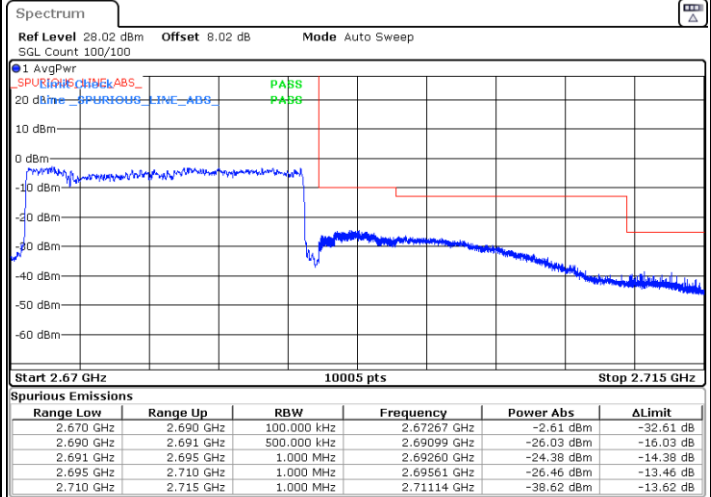
Date: 17.DEC.2021 19:54:15

Lowest Band Edge / Full RB



Date: 17.DEC.2021 19:42:26

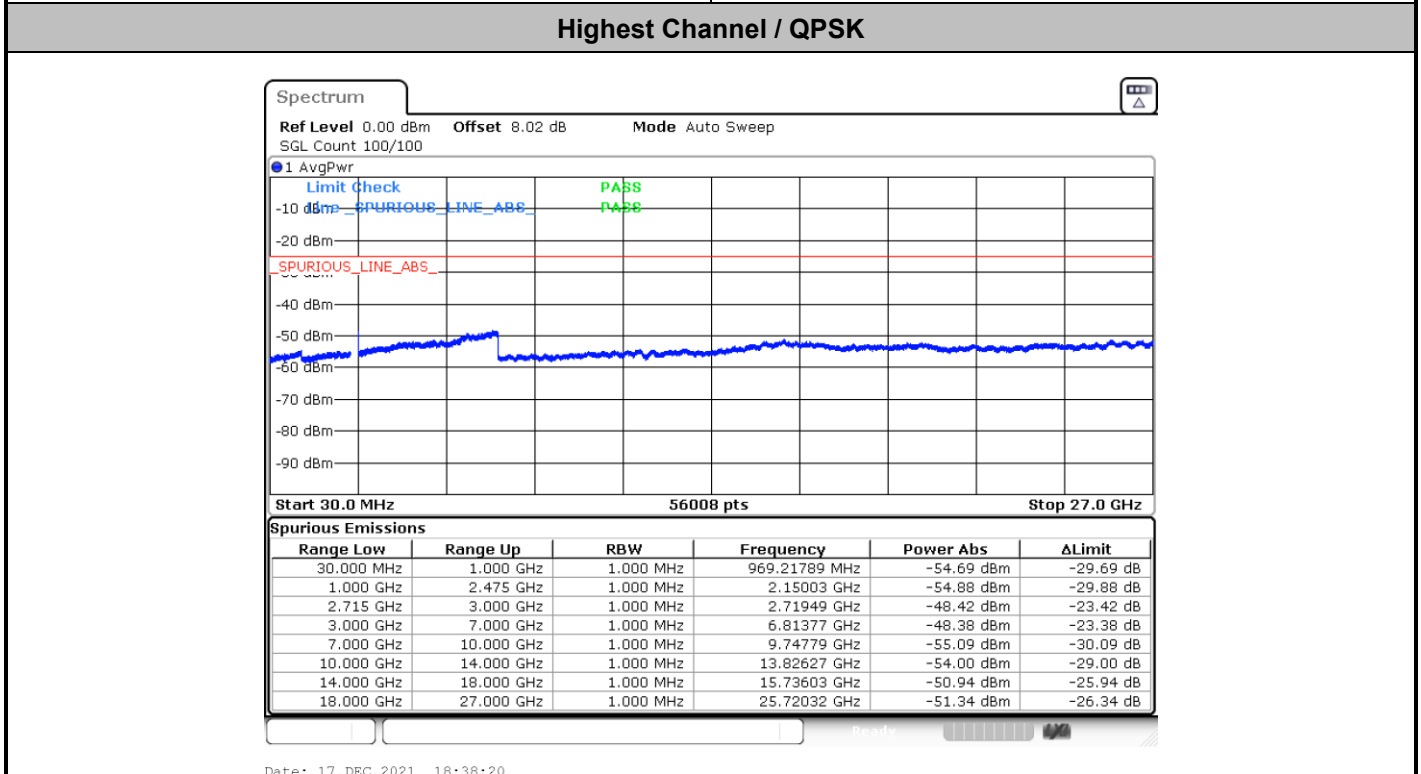
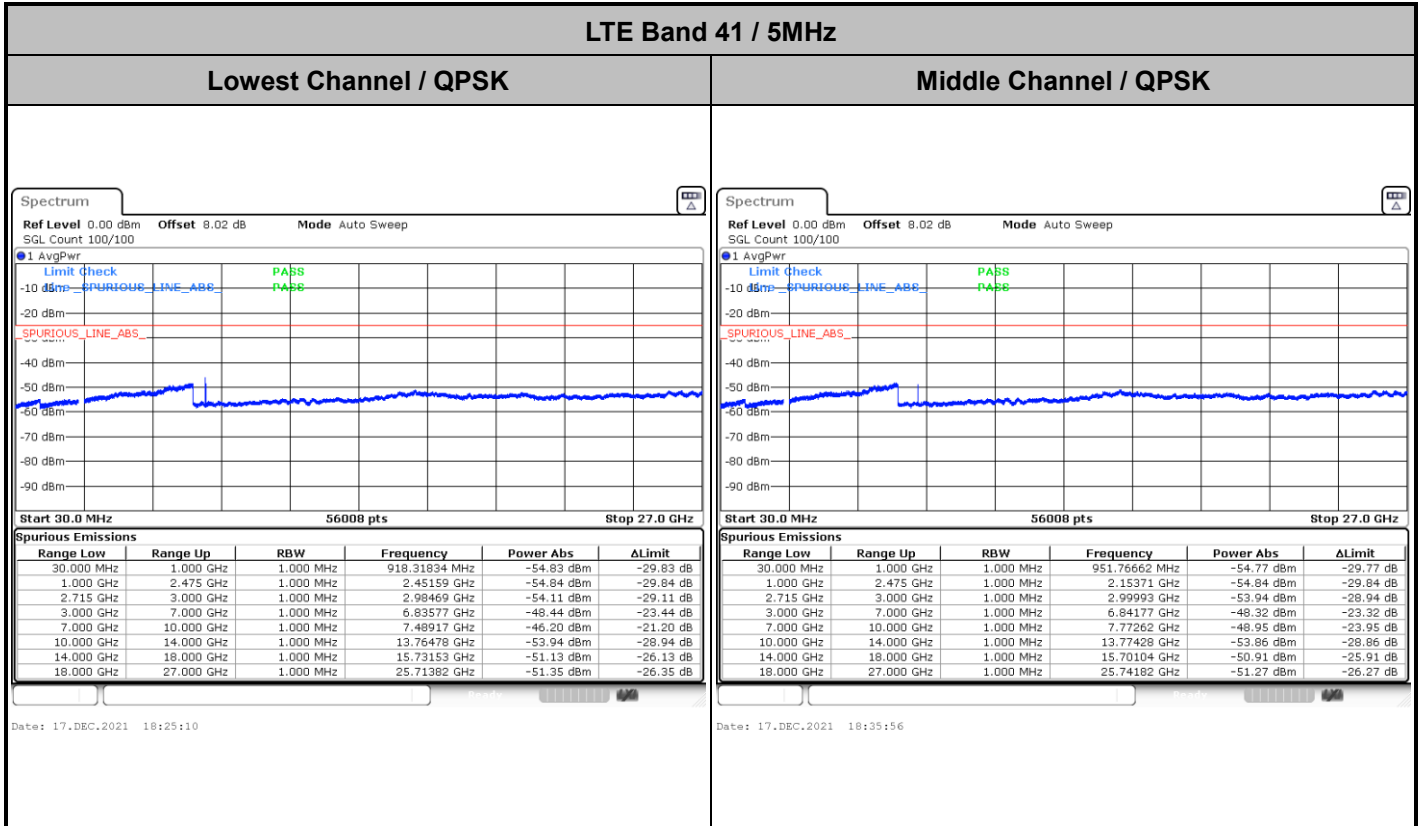
Highest Band Edge / Full RB



Date: 17.DEC.2021 19:55:38



Conducted Spurious Emission

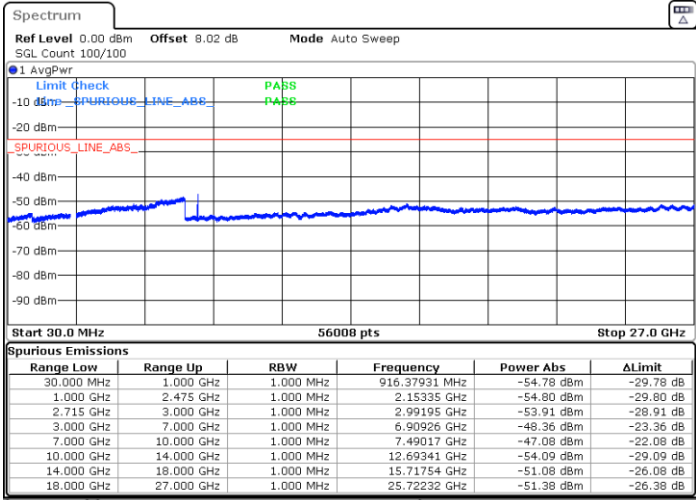




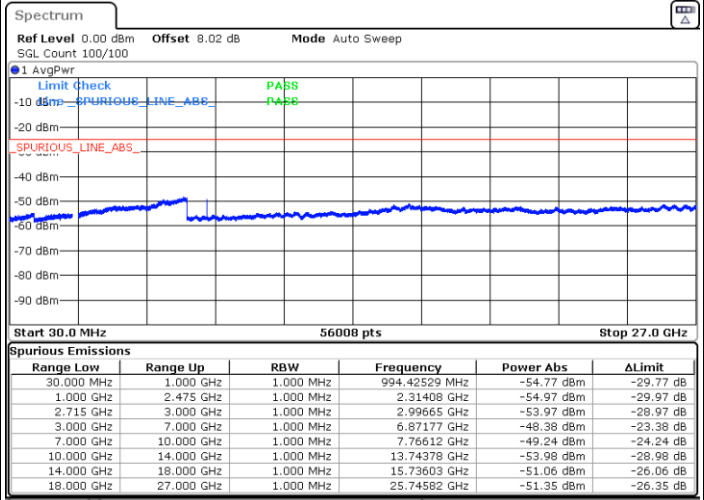
LTE Band 41 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

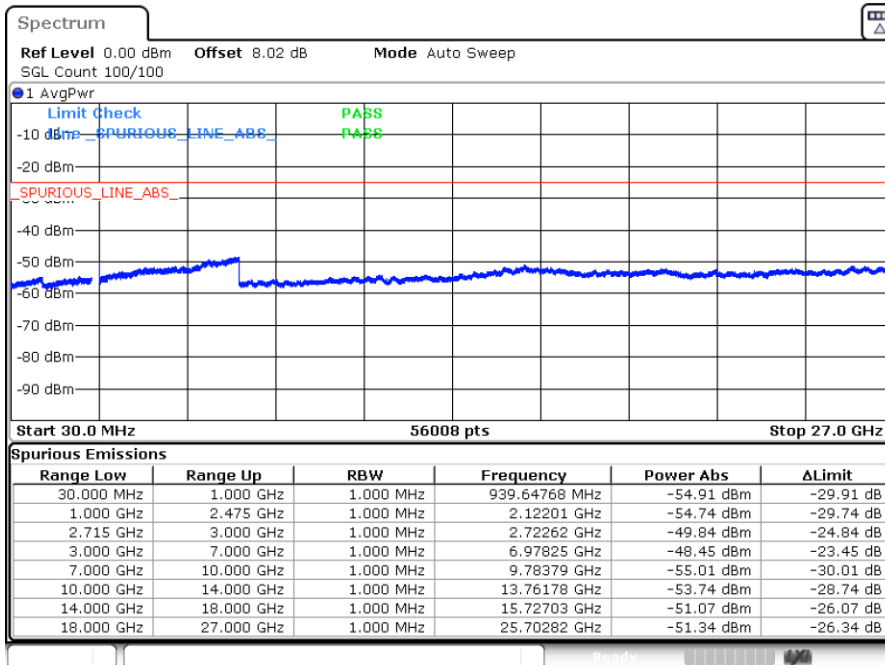


Date: 17.DEC.2021 18:49:06



Date: 17.DEC.2021 18:59:52

Highest Channel / QPSK



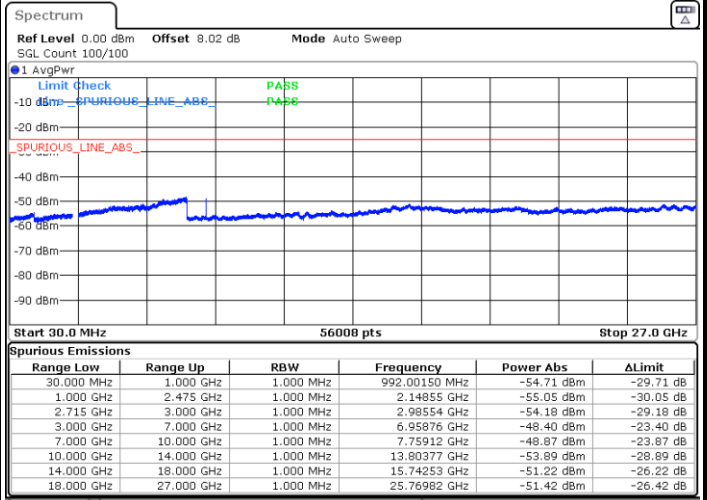
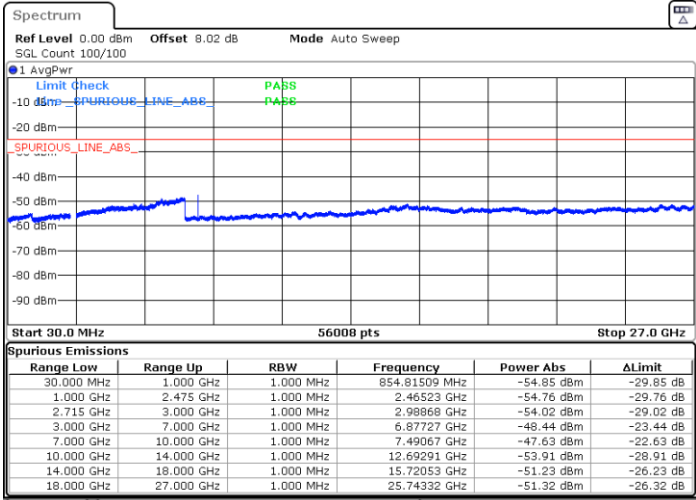
Date: 17.DEC.2021 19:02:15



LTE Band 41 / 15MHz

Lowest Channel / QPSK

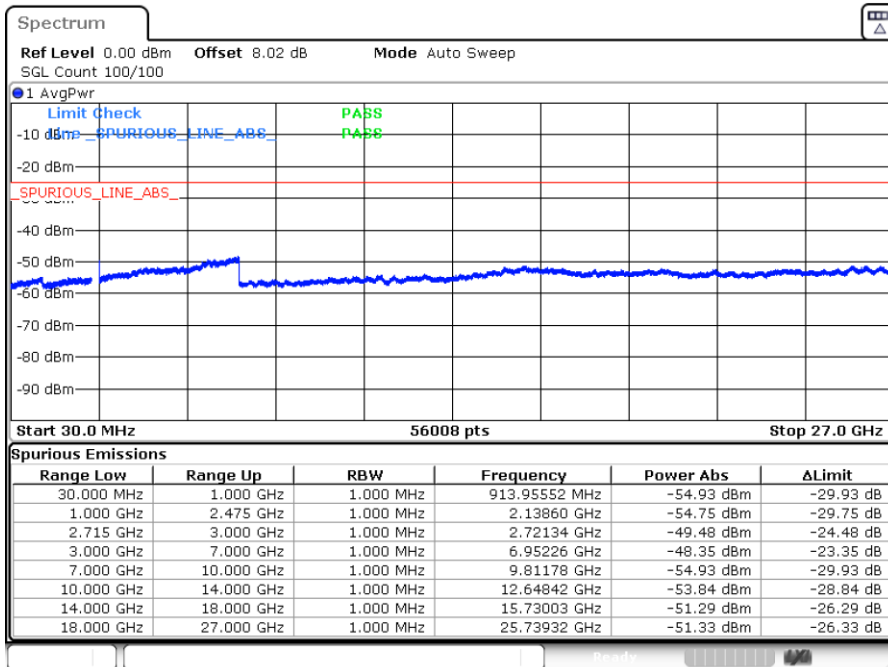
Middle Channel / QPSK



Date: 17.DEC.2021 19:13:01

Date: 17.DEC.2021 19:23:46

Highest Channel / QPSK



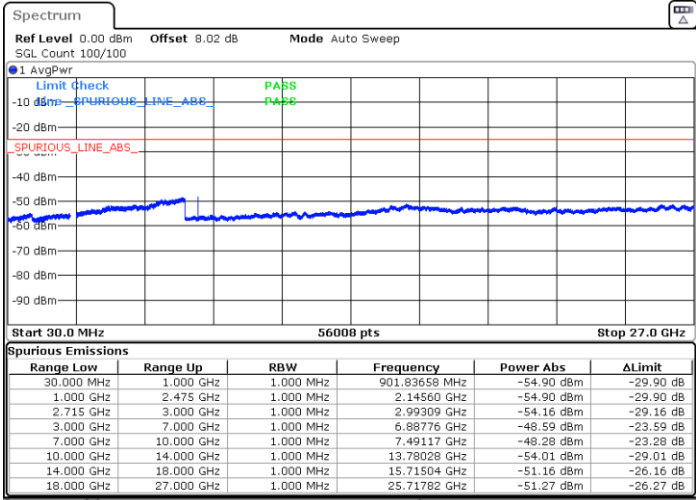
Date: 17.DEC.2021 19:26:10



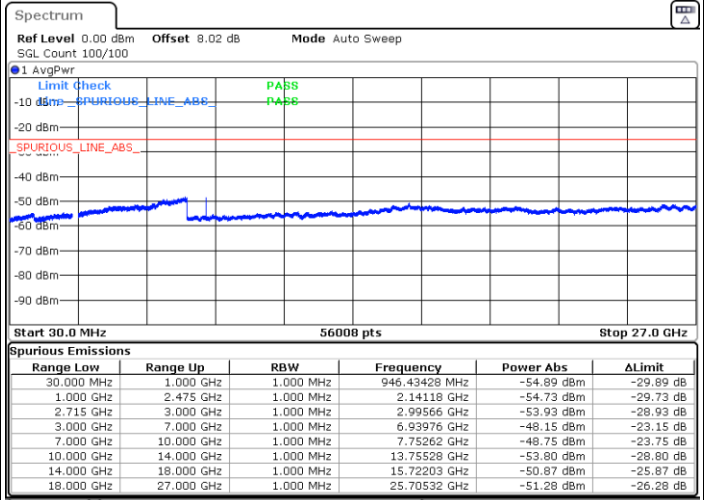
LTE Band 41 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

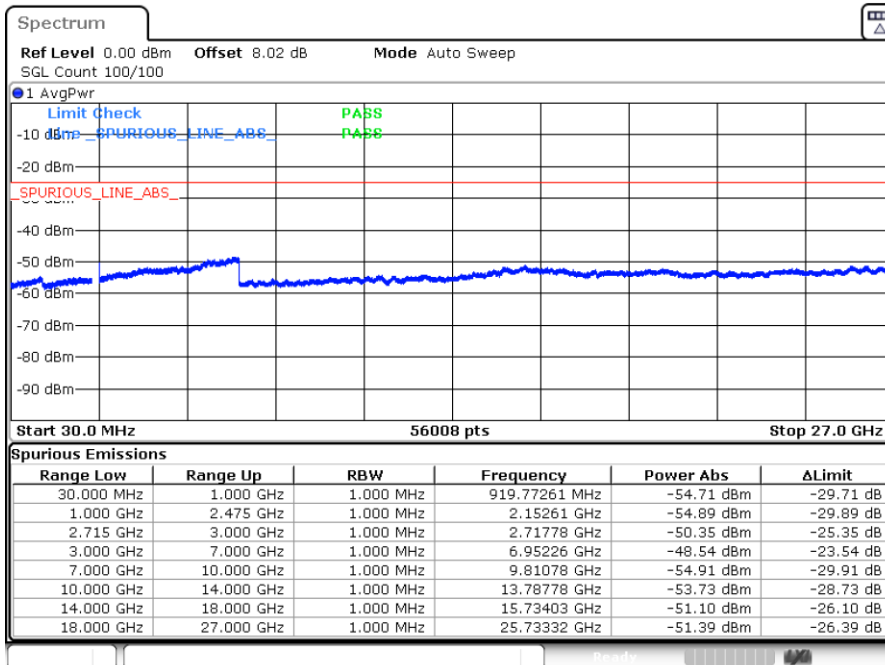


Date: 17.DEC.2021 19:36:55



Date: 17.DEC.2021 19:47:39

Highest Channel / QPSK



Date: 17.DEC.2021 19:50:04



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	0.0005	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48V.
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)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-59.92	-13	-46.92	-66.89	1.58	10.70	H
	2096	-60.01	-13	-47.01	-68.26	2.102	12.50	H
	2800	-58.54	-13	-45.54	-67.43	2.856	13.90	H
	1400	-55.71	-13	-42.71	-62.68	1.58	10.70	V
	2096	-59.53	-13	-46.53	-67.78	2.10	12.50	V
	2800	-58.60	-13	-45.60	-67.49	2.86	13.90	V
Middle	1408	-60.45	-13	-47.45	-67.42	1.58	10.70	H
	2112	-60.56	-13	-47.56	-68.81	2.102	12.50	H
	2816	-58.65	-13	-45.65	-67.54	2.856	13.90	H
	1408	-61.99	-13	-48.99	-68.96	1.58	10.70	V
	2112	-59.70	-13	-46.70	-67.95	2.10	12.50	V
	2816	-58.26	-13	-45.26	-67.15	2.86	13.90	V
Highest	1416	-59.05	-13	-46.05	-66.02	1.58	10.70	H
	2120	-60.68	-13	-47.68	-68.93	2.102	12.50	H
	2824	-59.24	-13	-46.24	-68.13	2.856	13.90	H
	1416	-60.02	-13	-47.02	-66.99	1.58	10.70	V
	2120	-59.63	-13	-46.63	-67.88	2.10	12.50	V
	2824	-58.88	-13	-45.88	-67.77	2.86	13.90	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	4995	-37.80	-25	-12.80	-48.01	3.03	13.24	H
	7485	-61.48	-25	-36.48	-70.93	3.56	13.01	H
	9990	-61.03	-25	-36.03	-70.55	3.92	13.44	H
	4995	-37.58	-25	-12.58	-47.79	3.03	13.24	V
	7485	-61.38	-25	-36.38	-70.83	3.56	13.01	V
	9990	-61.33	-25	-36.33	-70.85	3.92	13.44	V
Middle	5162	-34.55	-25	-9.55	-44.76	3.03	13.24	H
	7752	-49.11	-25	-24.11	-58.56	3.56	13.01	H
	10342	-60.69	-25	-35.69	-70.21	3.92	13.44	H
	5162	-32.64	-25	-7.64	-42.85	3.03	13.24	V
	7752	-49.78	-25	-24.78	-59.23	3.56	13.01	V
	10342	-60.51	-25	-35.51	-70.03	3.92	13.44	V
Highest	5340	-44.81	-25	-19.81	-55.02	3.03	13.24	H
	7755	-61.21	-25	-36.21	-70.66	3.56	13.01	H
	10335	-60.44	-25	-35.44	-69.96	3.92	13.44	H
	5340	-44.88	-25	-19.88	-55.09	3.03	13.24	V
	7755	-61.12	-25	-36.12	-70.57	3.56	13.01	V
	10335	-61.17	-25	-36.17	-70.69	3.92	13.44	V

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

————THE END————