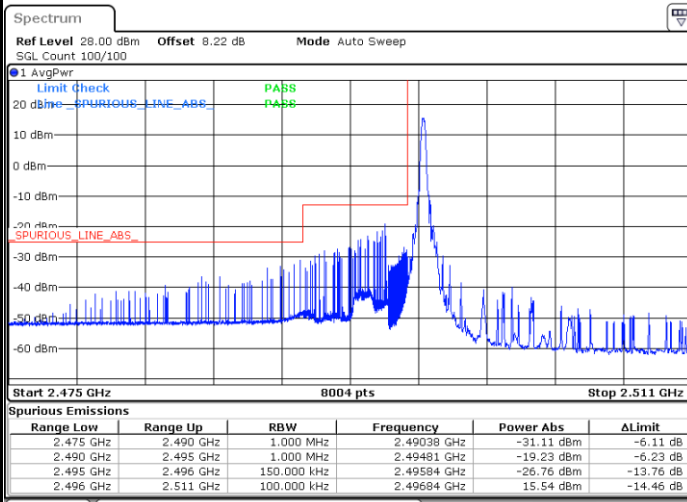




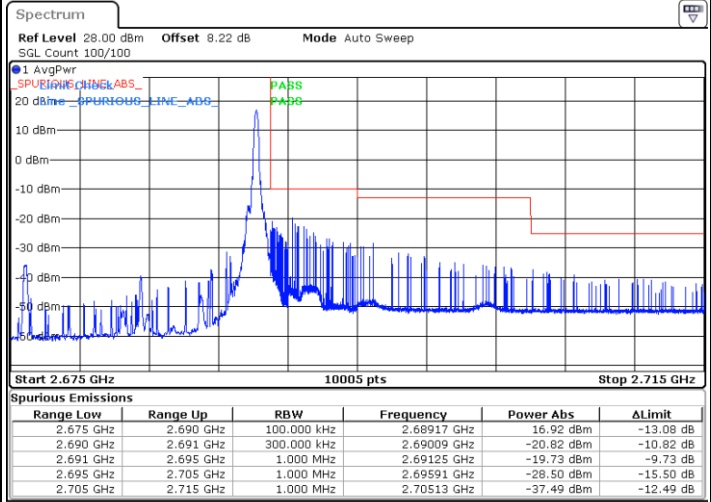
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



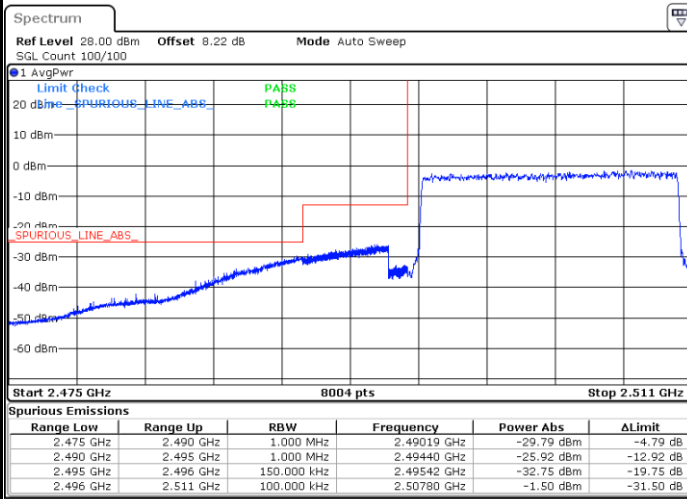
Date: 17.DEC.2021 03:03:12

Highest Band Edge / 1 RB



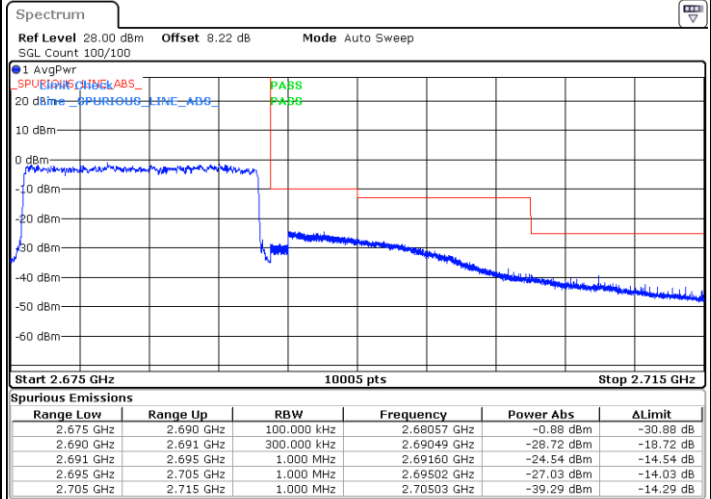
Date: 17.DEC.2021 03:10:51

Lowest Band Edge / Full RB



Date: 17.DEC.2021 03:04:09

Highest Band Edge / Full RB

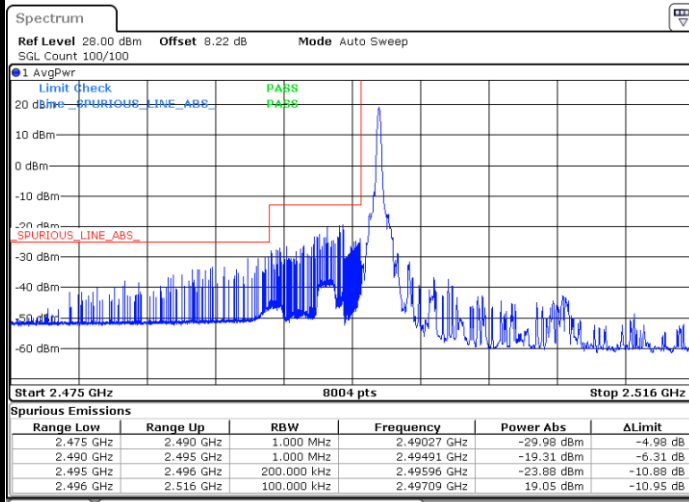


Date: 17.DEC.2021 03:11:46



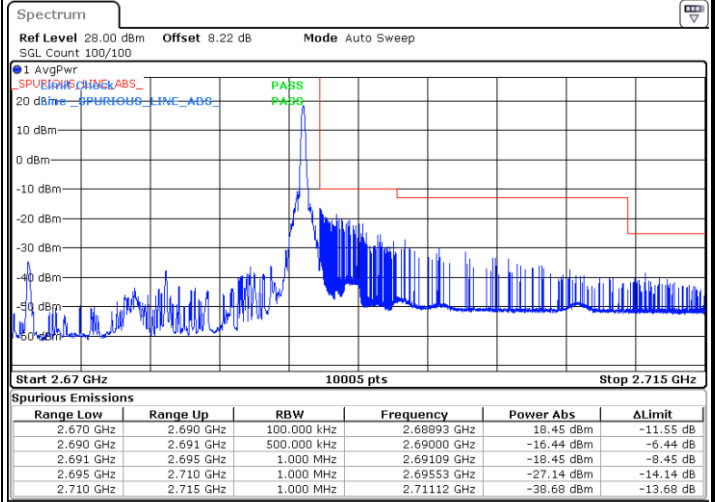
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



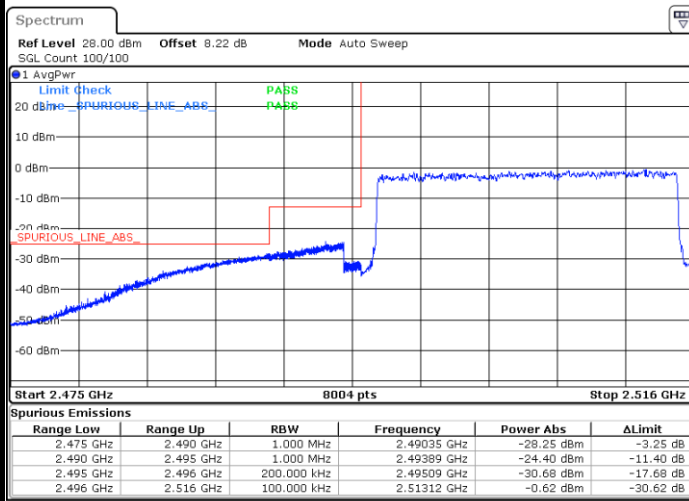
Date: 17.DEC.2021 03:15:26

Highest Band Edge / 1 RB



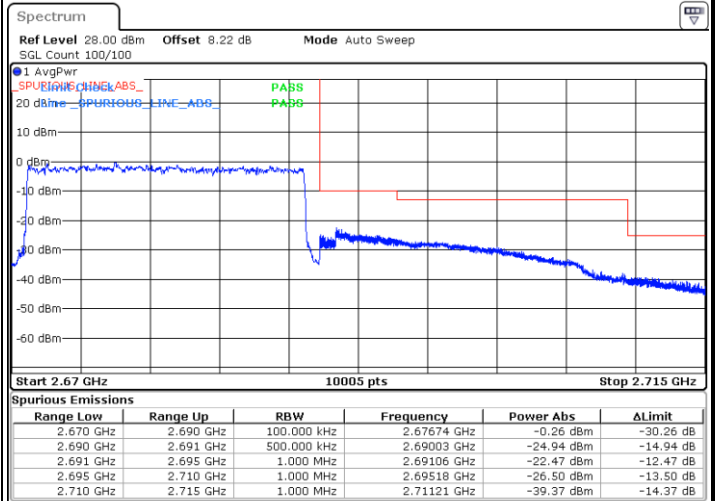
Date: 17.DEC.2021 03:23:03

Lowest Band Edge / Full RB



Date: 17.DEC.2021 03:20:07

Highest Band Edge / Full RB

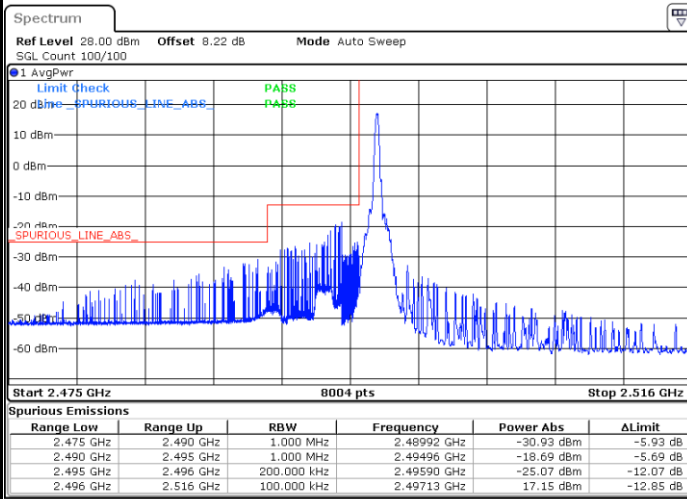


Date: 17.DEC.2021 03:27:44



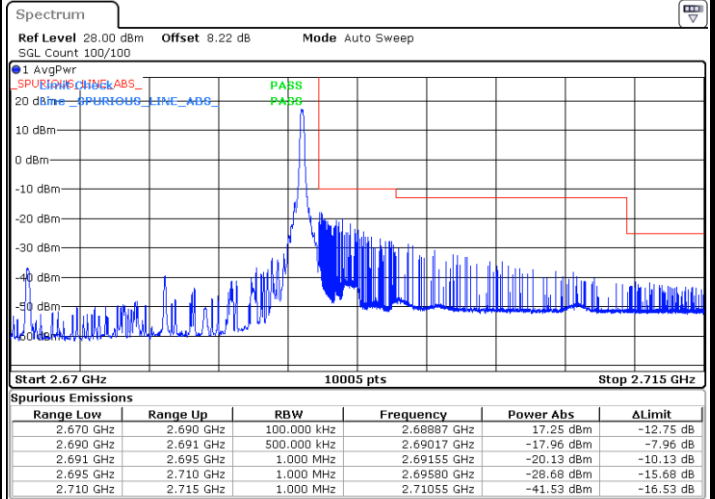
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



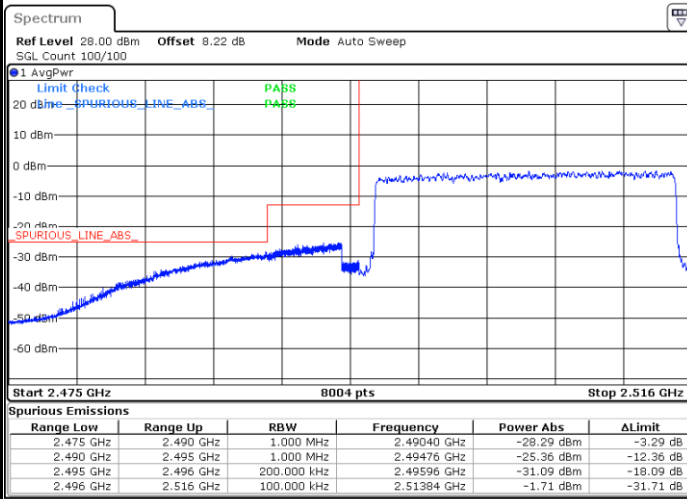
Date: 17.DEC.2021 03:16:22

Highest Band Edge / 1 RB



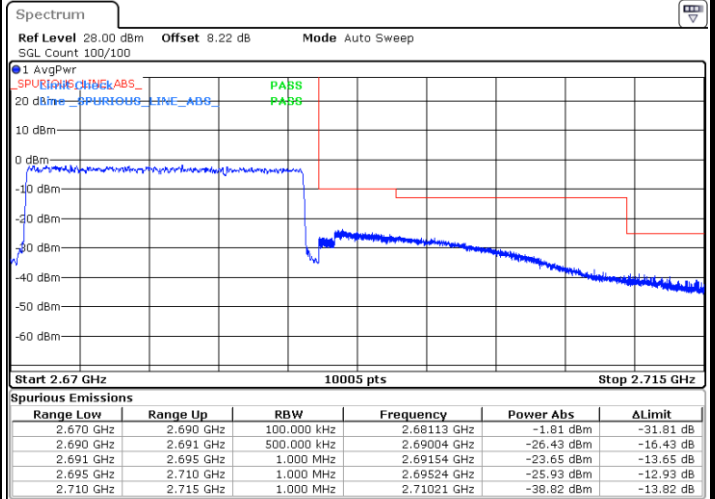
Date: 17.DEC.2021 03:23:59

Lowest Band Edge / Full RB



Date: 17.DEC.2021 03:19:11

Highest Band Edge / Full RB

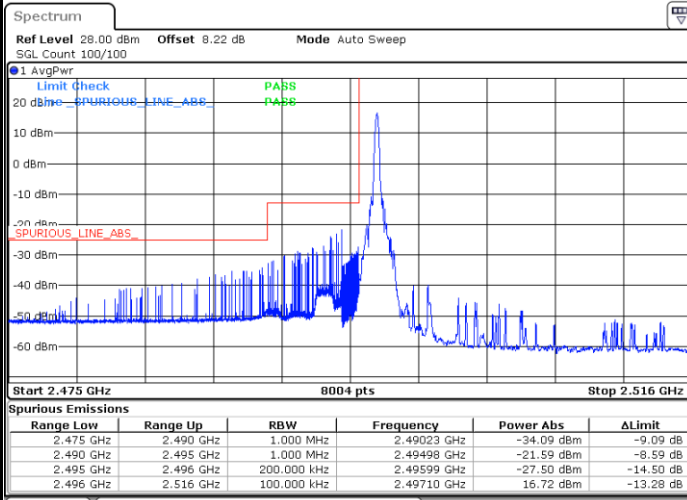


Date: 17.DEC.2021 03:26:48



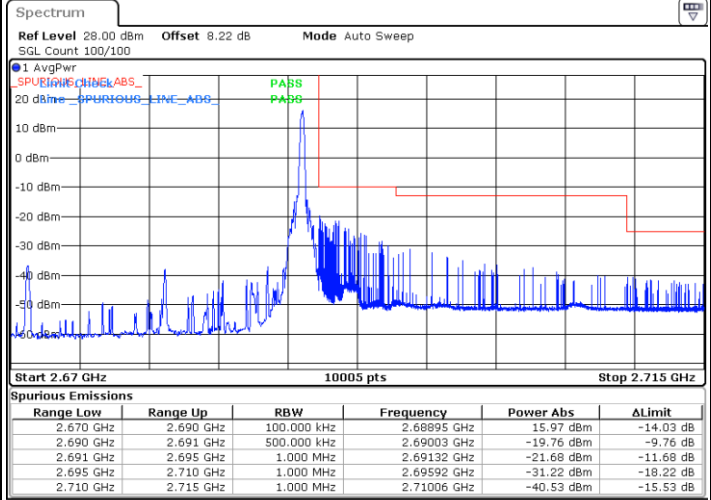
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



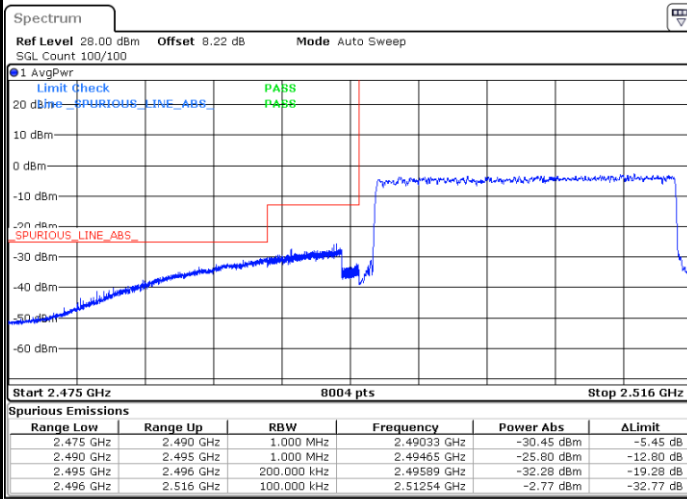
Date: 17.DEC.2021 03:17:19

Highest Band Edge / 1 RB



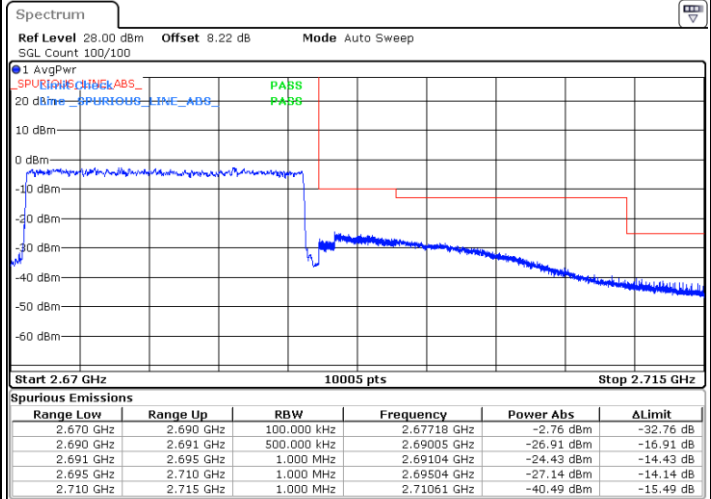
Date: 17.DEC.2021 03:24:55

Lowest Band Edge / Full RB



Date: 17.DEC.2021 03:18:15

Highest Band Edge / Full RB



Date: 17.DEC.2021 03:25:51

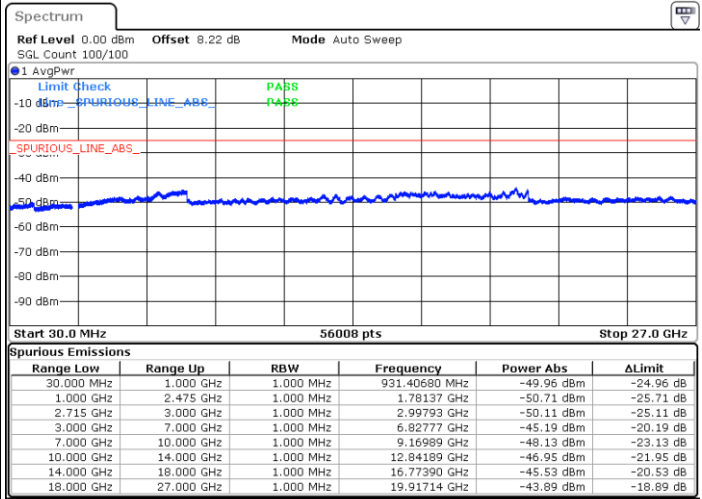
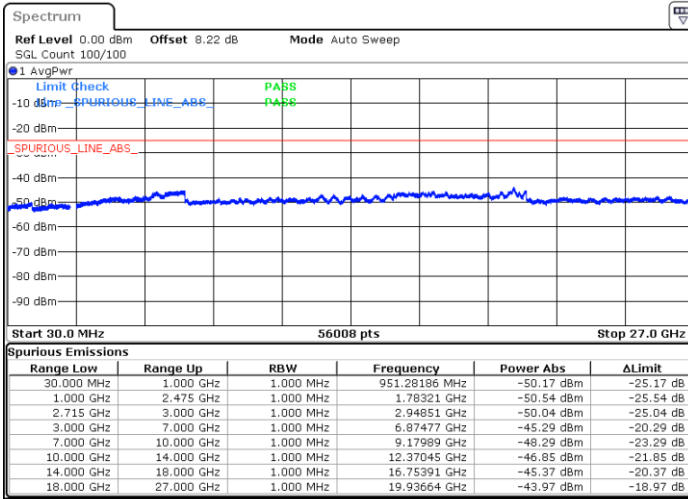


Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

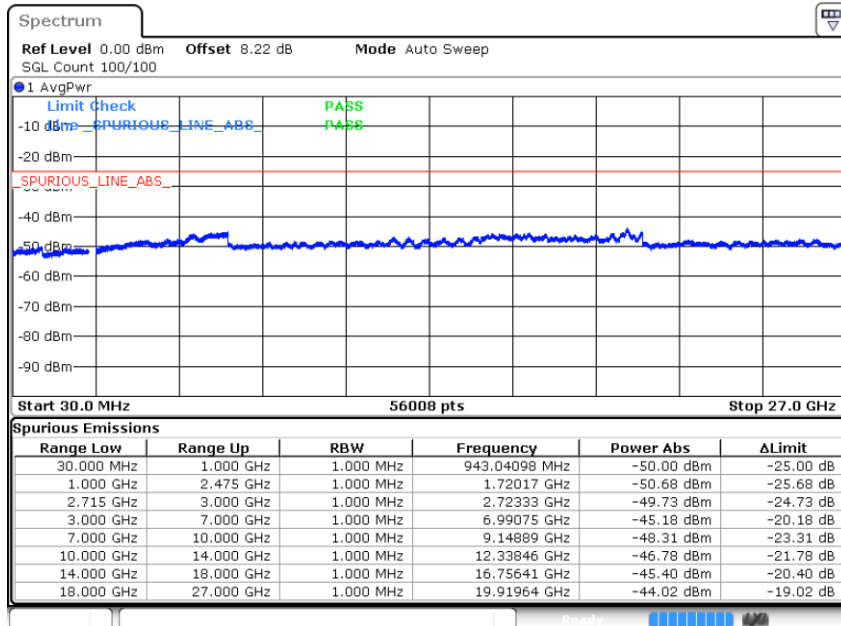
Middle Channel / QPSK



Date: 17.DEC.2021 02:20:57

Date: 17.DEC.2021 02:31:36

Highest Channel / QPSK

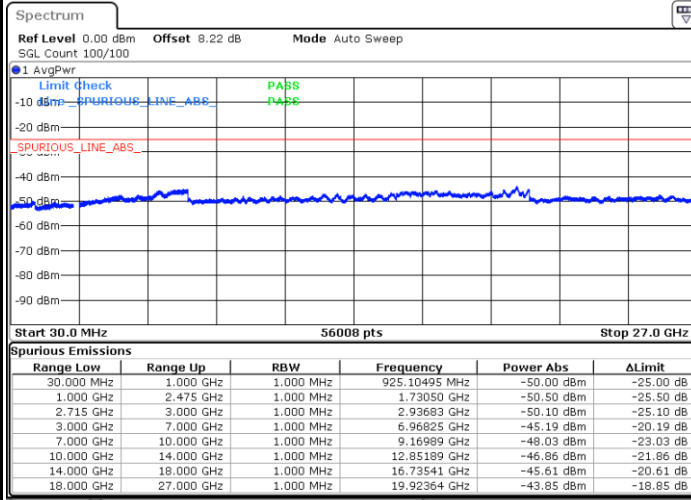


Date: 17.DEC.2021 02:32:36



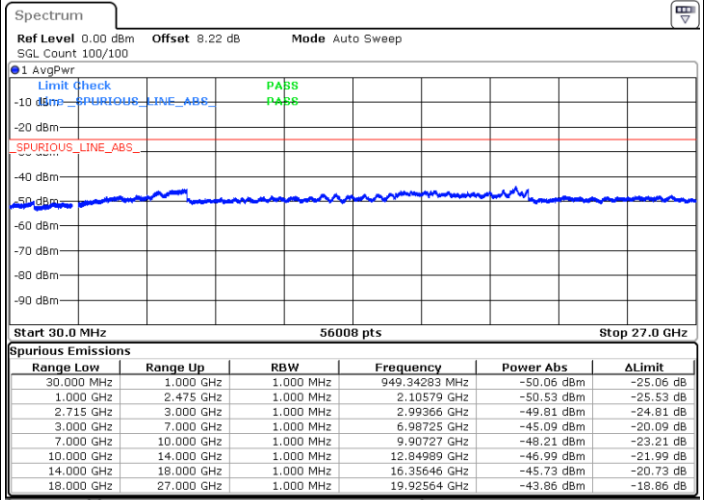
LTE Band 41 / 10MHz

Lowest Channel / QPSK



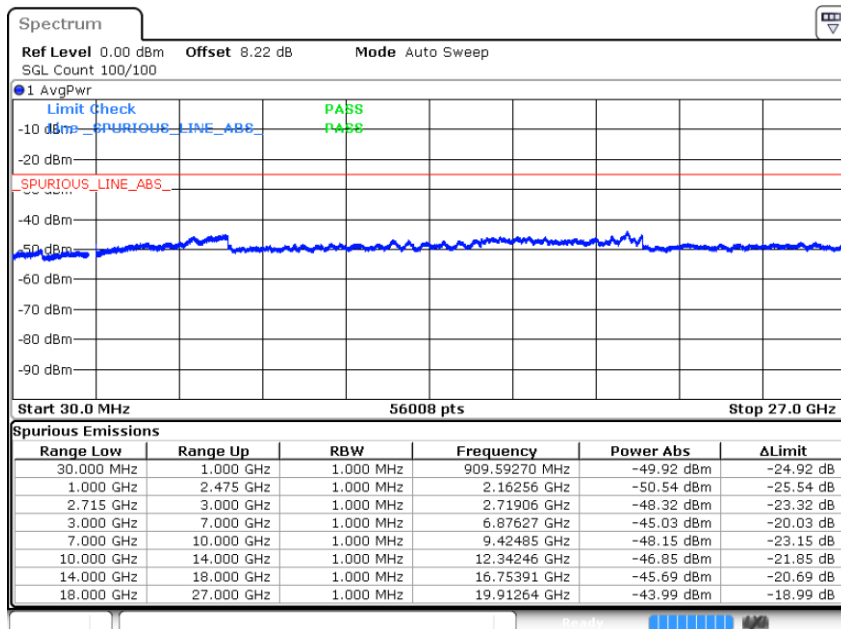
Date: 17.DEC.2021 02:43:24

Middle Channel / QPSK



Date: 17.DEC.2021 02:52:56

Highest Channel / QPSK



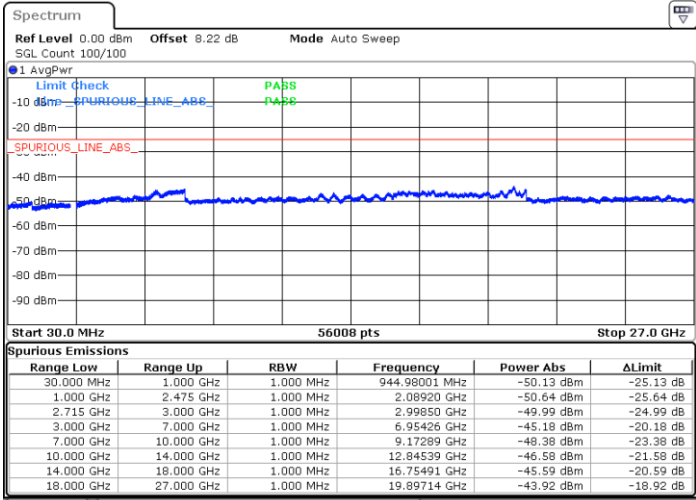
Date: 17.DEC.2021 02:53:56



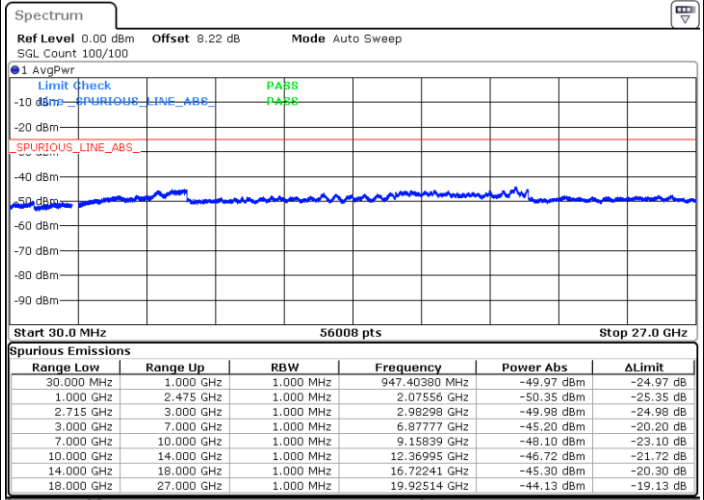
LTE Band 41 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

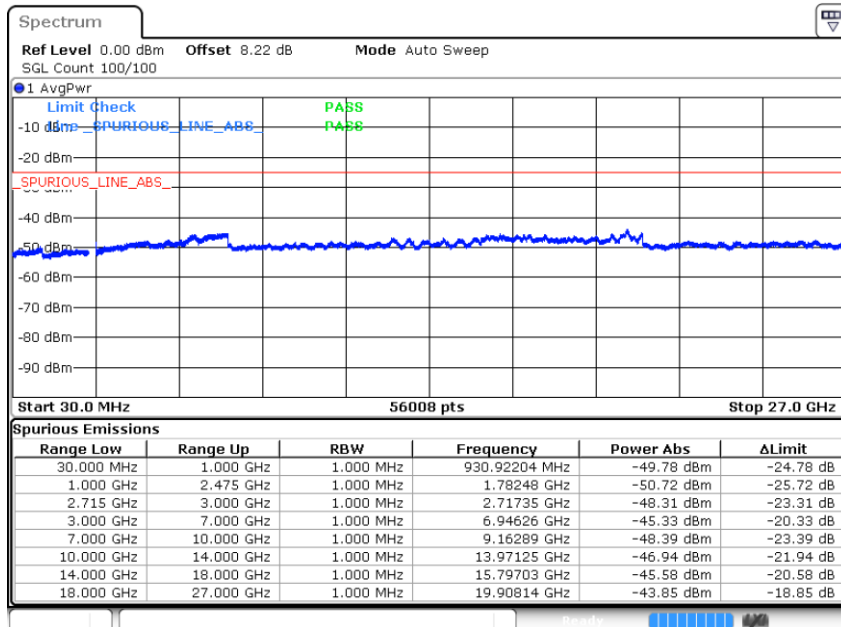


Date: 17.DEC.2021 03:00:33



Date: 17.DEC.2021 03:07:02

Highest Channel / QPSK

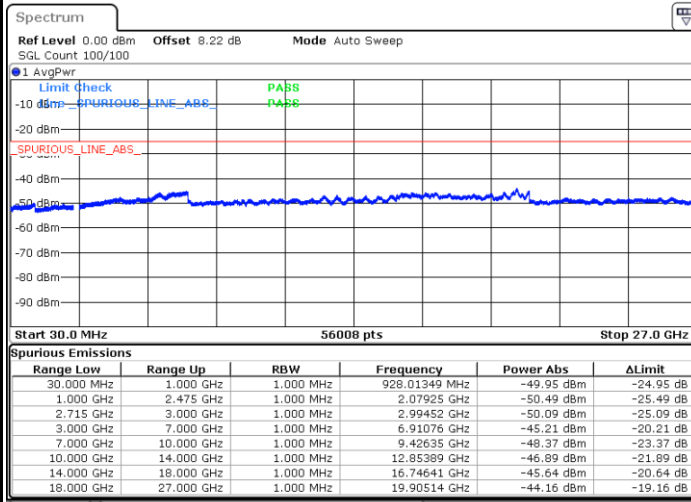


Date: 17.DEC.2021 03:08:02



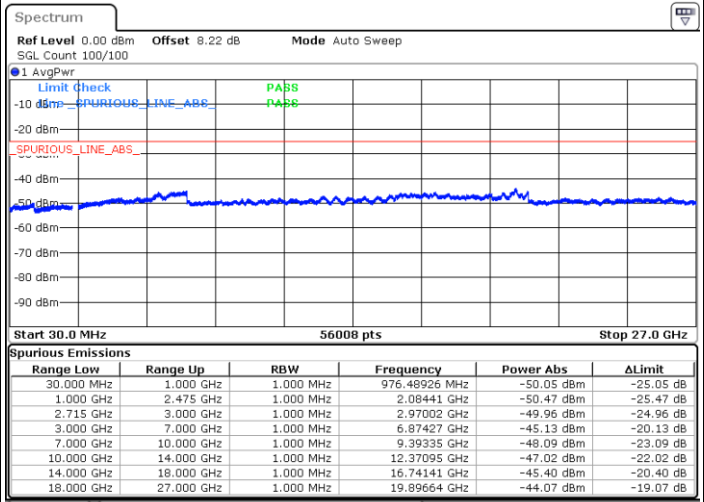
LTE Band 41 / 20MHz

Lowest Channel / QPSK



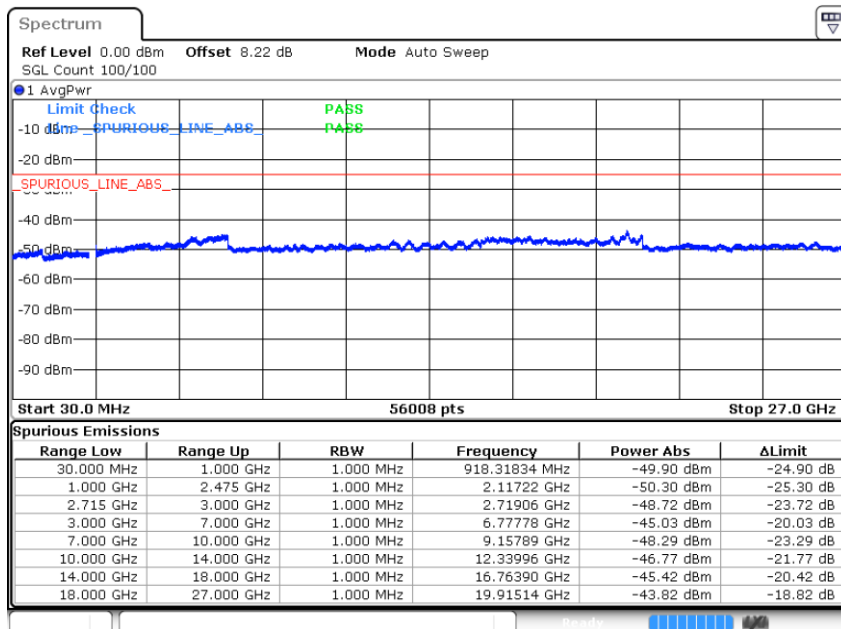
Date: 17.DEC.2021 03:14:39

Middle Channel / QPSK



Date: 17.DEC.2021 03:21:07

Highest Channel / QPSK



Date: 17.DEC.2021 03:22:07



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	0.0012	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.89V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 4

LTE Band 4 / 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	3423	-54.59	-13	-41.59	-65.33	2.604	13.34	H
	5133	-53.02	-13	-40.02	-63.53	3.011	13.52	H
	6840	-52.42	-13	-39.42	-62.62	3.271	13.47	H
	3423	-56.38	-13	-43.38	-67.12	2.604	13.34	V
	5133	-53.55	-13	-40.55	-64.06	3.011	13.52	V
	6840	-52.06	-13	-39.06	-62.26	3.271	13.47	V
Middle	3447	-53.88	-13	-40.88	-64.62	2.604	13.34	H
	5169	-53.02	-13	-40.02	-63.53	3.011	13.52	H
	6888	-52.31	-13	-39.31	-62.51	3.271	13.47	H
	3447	-56.37	-13	-43.37	-67.11	2.604	13.34	V
	5169	-53.10	-13	-40.10	-63.61	3.011	13.52	V
	6888	-52.33	-13	-39.33	-62.53	3.271	13.47	V
Highest	3471	-55.20	-13	-42.20	-65.94	2.604	13.34	H
	5208	-53.39	-13	-40.39	-63.90	3.011	13.52	H
	6948	-52.89	-13	-39.89	-63.09	3.271	13.47	H
	3471	-56.64	-13	-43.64	-67.38	2.604	13.34	V
	5208	-53.55	-13	-40.55	-64.06	3.011	13.52	V
	6948	-52.69	-13	-39.69	-62.89	3.271	13.47	V

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



LTE Band 5

LTE Band 5 / 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	1648	-58.41	-13	-45.41	-65.38	1.58	10.70	H
	2472	-61.31	-13	-48.31	-69.56	2.102	12.50	H
	3300	-58.25	-13	-45.25	-67.14	2.856	13.90	H
	1648	-59.24	-13	-46.24	-66.21	1.58	10.70	V
	2472	-59.39	-13	-46.39	-67.64	2.10	12.50	V
	3300	-58.13	-13	-45.13	-67.02	2.86	13.90	V
Middle	1664	-55.70	-13	-42.70	-62.67	1.58	10.70	H
	2496	-60.90	-13	-47.90	-69.15	2.102	12.50	H
	3330	-57.92	-13	-44.92	-66.81	2.856	13.90	H
	1664	-53.85	-13	-40.85	-60.82	1.58	10.70	V
	2496	-59.72	-13	-46.72	-67.97	2.10	12.50	V
	3330	-57.99	-13	-44.99	-66.88	2.86	13.90	V
Highest	1680	-61.45	-13	-48.45	-68.42	1.58	10.70	H
	2518	-60.01	-13	-47.01	-68.26	2.102	12.50	H
	3360	-58.32	-13	-45.32	-67.21	2.856	13.90	H
	1680	-61.20	-13	-48.20	-68.17	1.58	10.70	V
	2518	-59.72	-13	-46.72	-67.97	2.10	12.50	V
	3360	-58.58	-13	-45.58	-67.47	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	4992	-38.19	-25	-13.19	-48.40	3.03	13.24	H
	7491	-62.99	-25	-37.99	-72.44	3.56	13.01	H
	9990	-62.23	-25	-37.23	-71.75	3.92	13.44	H
	4992	-39.01	-25	-14.01	-49.22	3.03	13.24	V
	7491	-63.31	-25	-38.31	-72.76	3.56	13.01	V
	9990	-62.25	-25	-37.25	-71.77	3.92	13.44	V
Middle	5168	-35.65	-25	-10.65	-45.86	3.03	13.24	H
	7752	-59.06	-25	-34.06	-68.51	3.56	13.01	H
	10340	-61.64	-25	-36.64	-71.16	3.92	13.44	H
	5168	-37.87	-25	-12.87	-48.08	3.03	13.24	V
	7752	-62.65	-25	-37.65	-72.10	3.56	13.01	V
	10340	-61.87	-25	-36.87	-71.39	3.92	13.44	V
Highest	5340	-43.19	-25	-18.19	-53.40	3.03	13.24	H
	8013	-62.10	-25	-37.10	-71.55	3.56	13.01	H
	10680	-61.25	-25	-36.25	-70.77	3.92	13.44	H
	5340	-47.39	-25	-22.39	-57.60	3.03	13.24	V
	8010	-62.27	-25	-37.27	-71.72	3.56	13.01	V
	10680	-61.06	-25	-36.06	-70.58	3.92	13.44	V

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

————THE END————