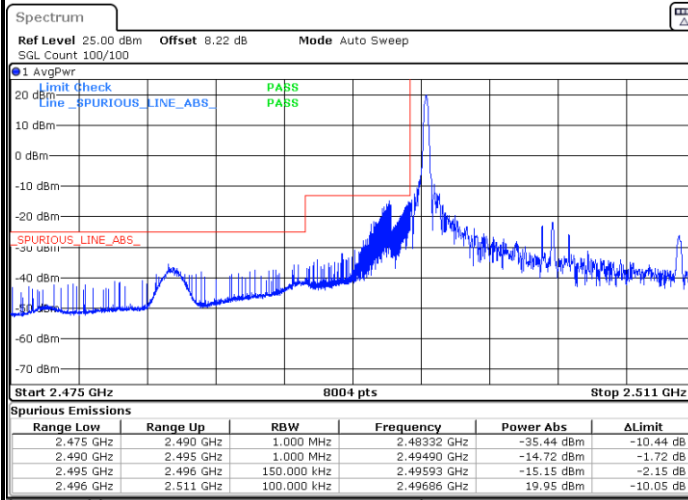




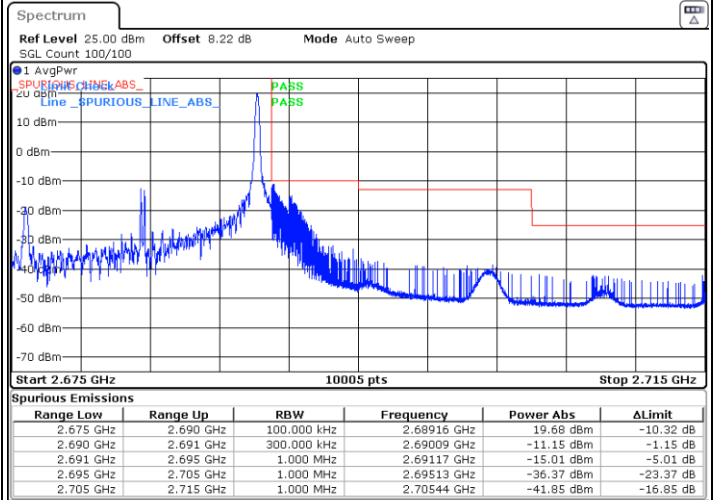
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



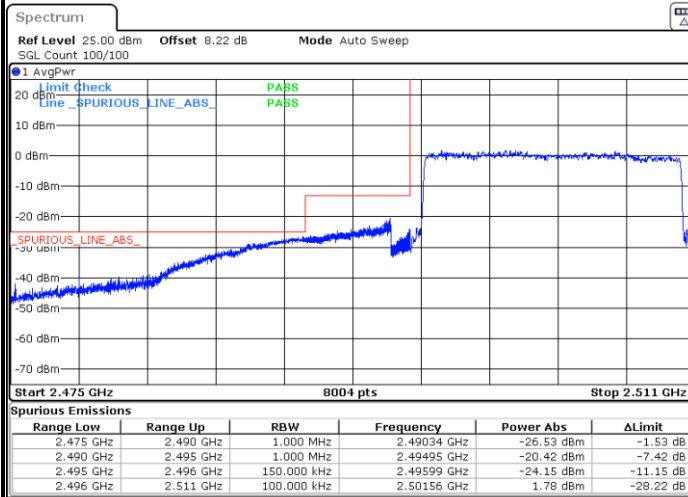
Date: 16 JAN 2023 20:57:01

Highest Band Edge / 1 RB



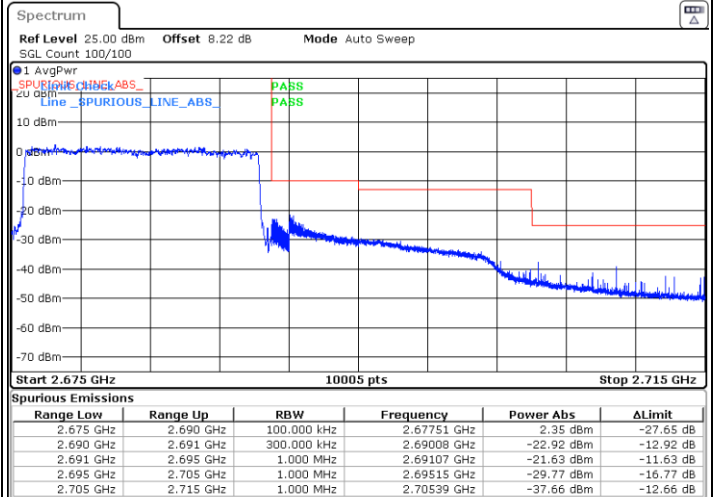
Date: 16 JAN 2023 21:32:23

Lowest Band Edge / Full RB



Date: 16 JAN 2023 21:33:26

Highest Band Edge / Full RB

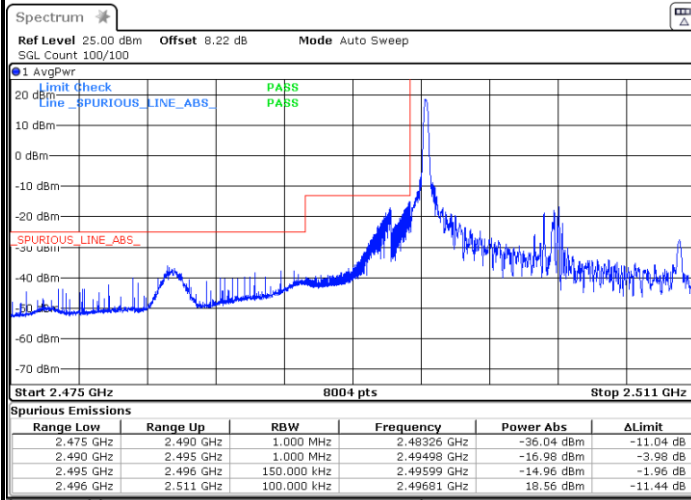


Date: 16 JAN 2023 21:18:04

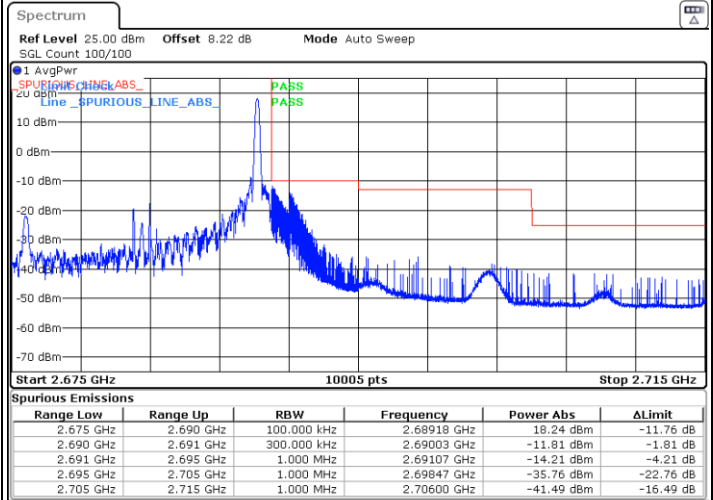


LTE Band 41 / 15MHz / 16QAM

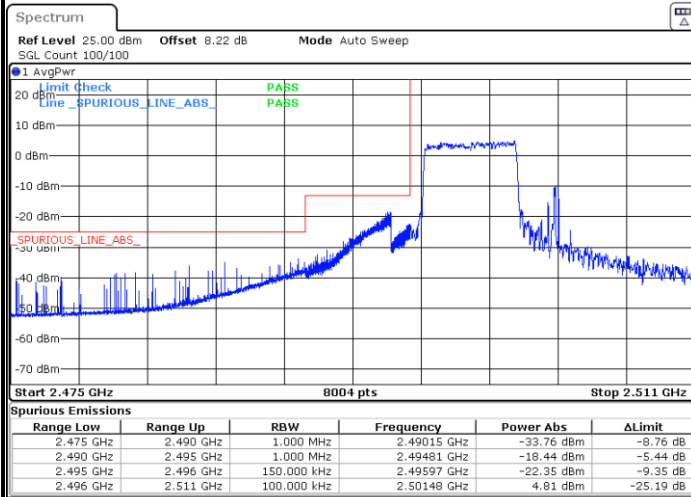
Lowest Band Edge / 1 RB



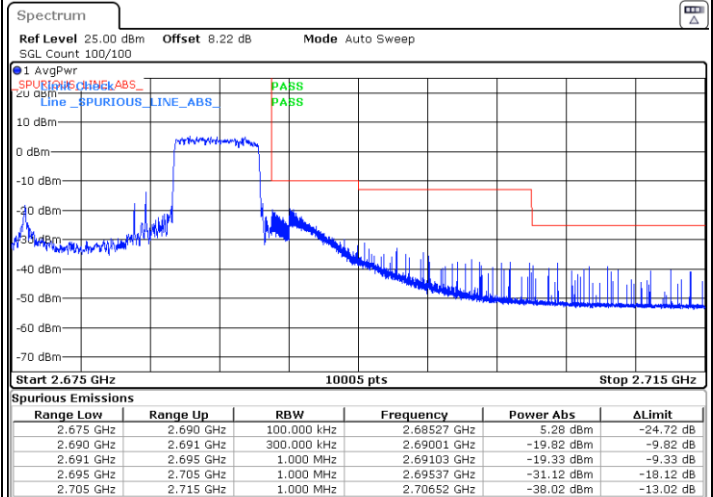
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



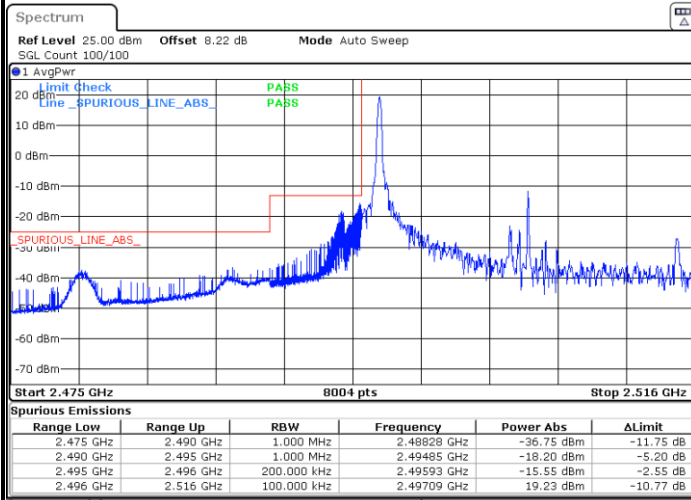
Highest Band Edge / Full RB





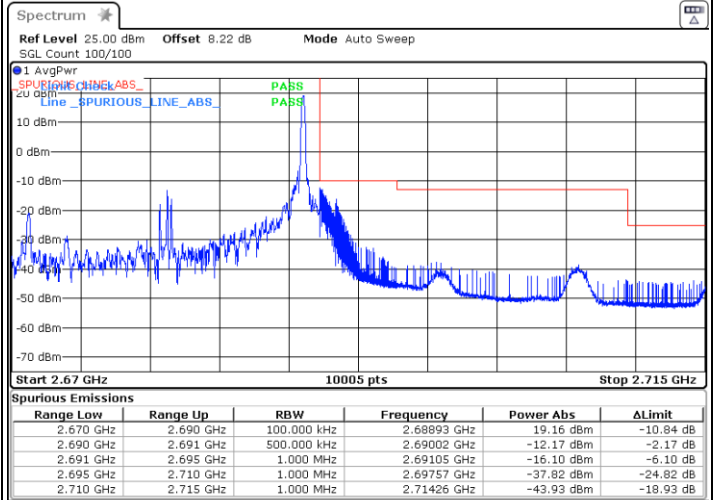
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



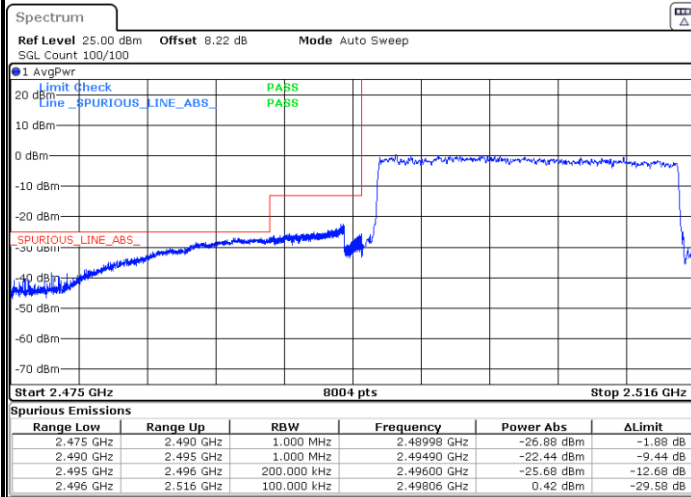
Date: 16 JAN 2023 21:23:56

Highest Band Edge / 1 RB



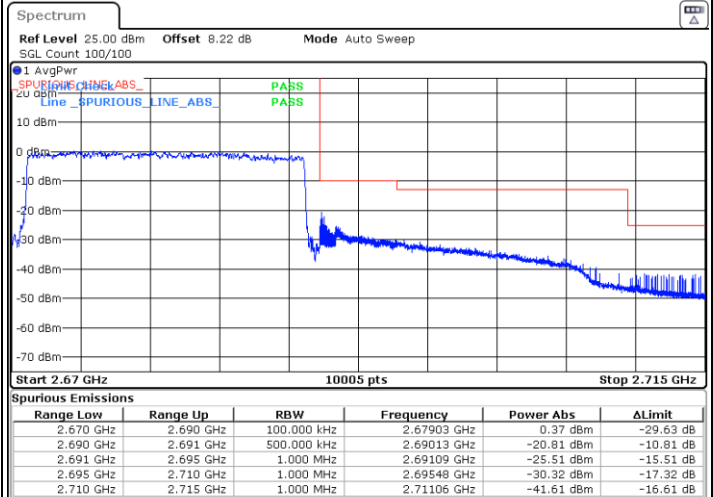
Date: 16 JAN 2023 21:30:45

Lowest Band Edge / Full RB



Date: 16 JAN 2023 21:35:05

Highest Band Edge / Full RB

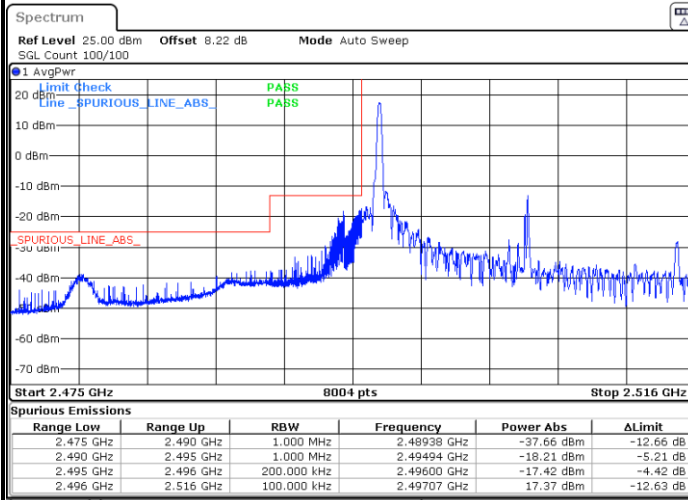


Date: 16 JAN 2023 21:26:36

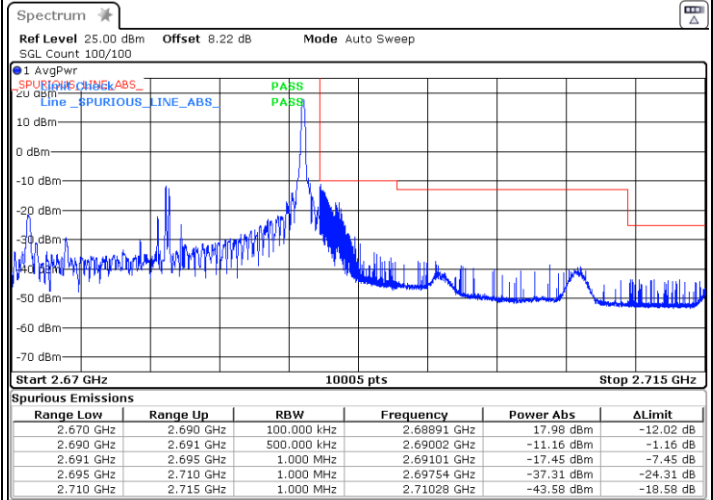


LTE Band 41 / 20MHz / 16QAM

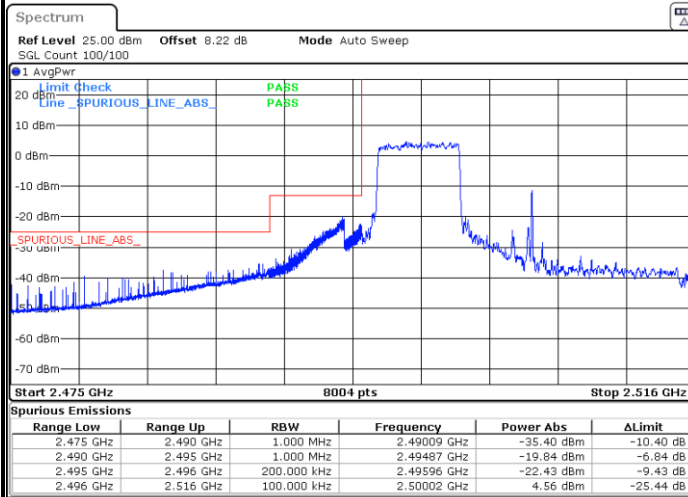
Lowest Band Edge / 1 RB



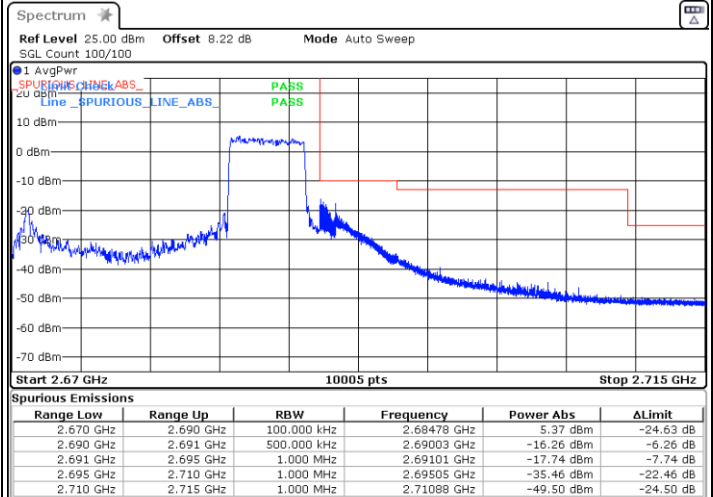
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

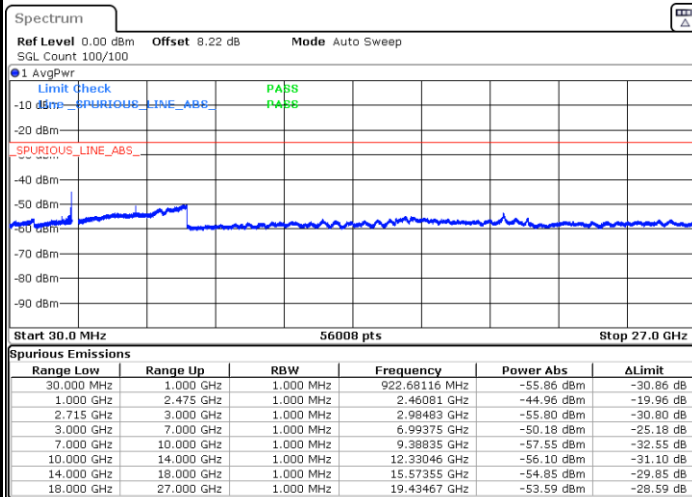




Conducted Spurious Emission

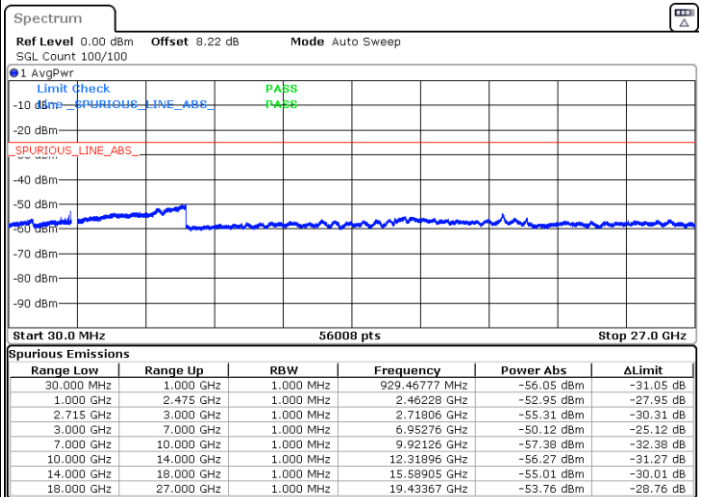
LTE Band 41 / 5MHz

Lowest Channel / QPSK



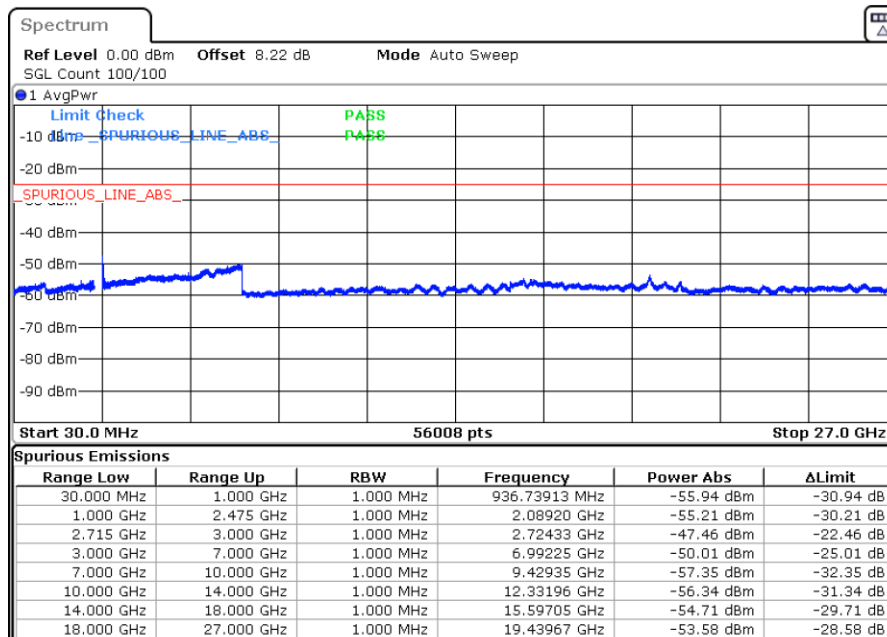
Date: 16 JAN 2023 20:31:25

Middle Channel / QPSK



Date: 16 JAN 2023 20:29:56

Highest Channel / QPSK

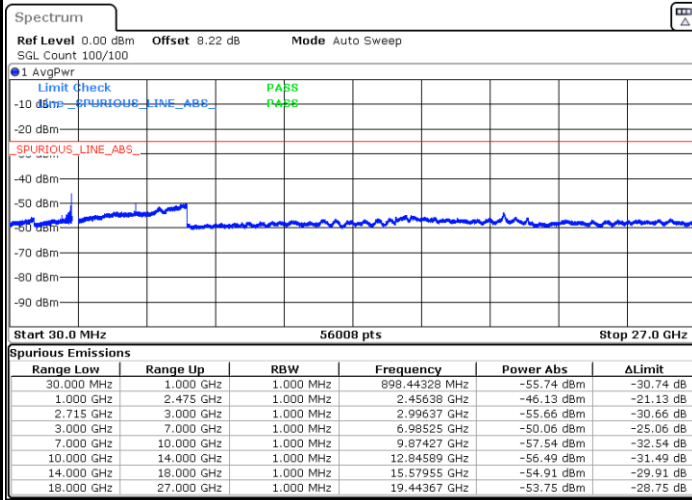


Date: 16 JAN 2023 20:27:58



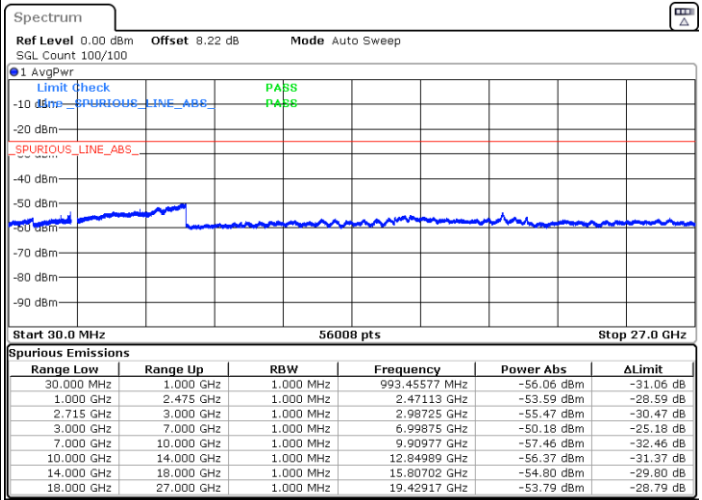
LTE Band 41 / 10MHz

Lowest Channel / QPSK



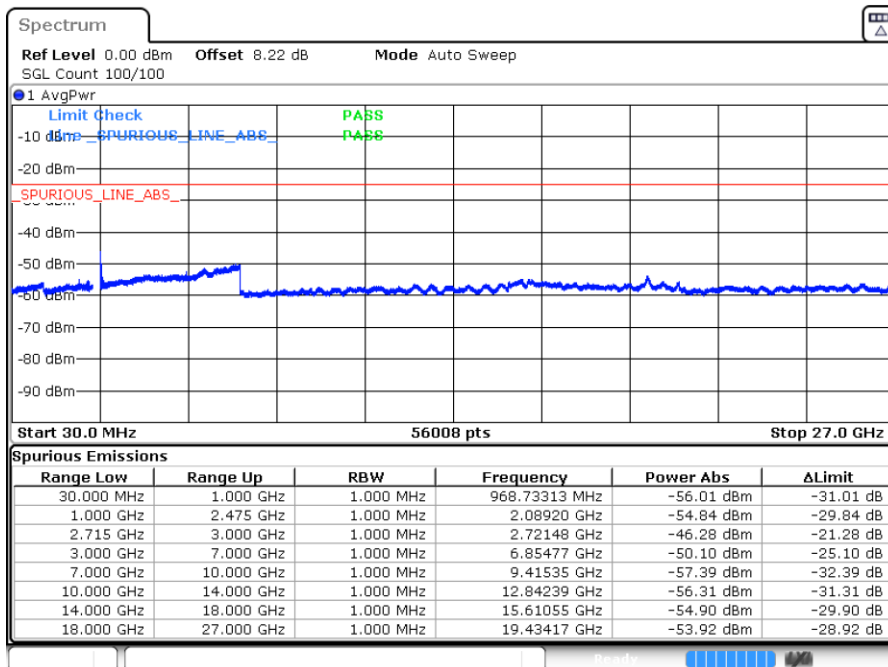
Date: 16 JAN 2023 20:36:59

Middle Channel / QPSK



Date: 16 JAN 2023 20:33:47

Highest Channel / QPSK

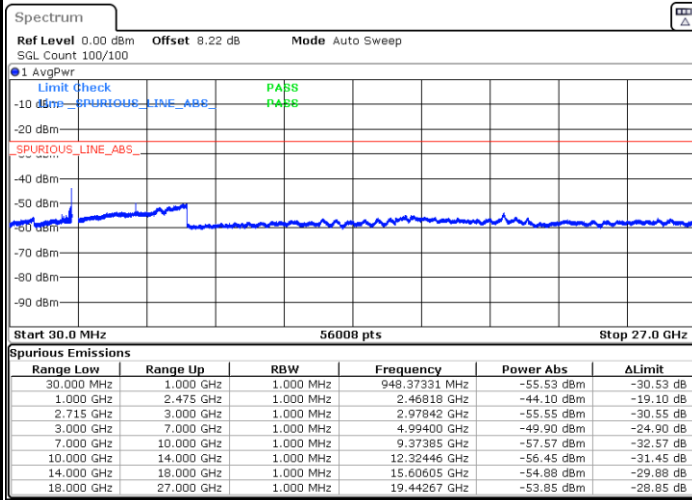


Date: 16 JAN 2023 20:35:27



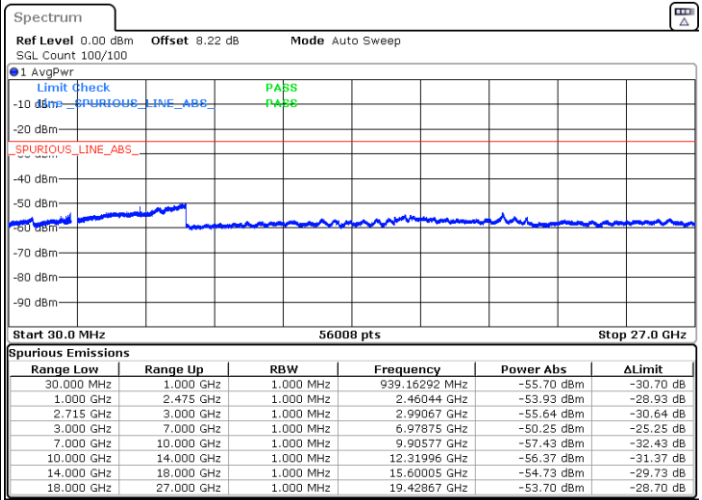
LTE Band 41 / 15MHz

Lowest Channel / QPSK



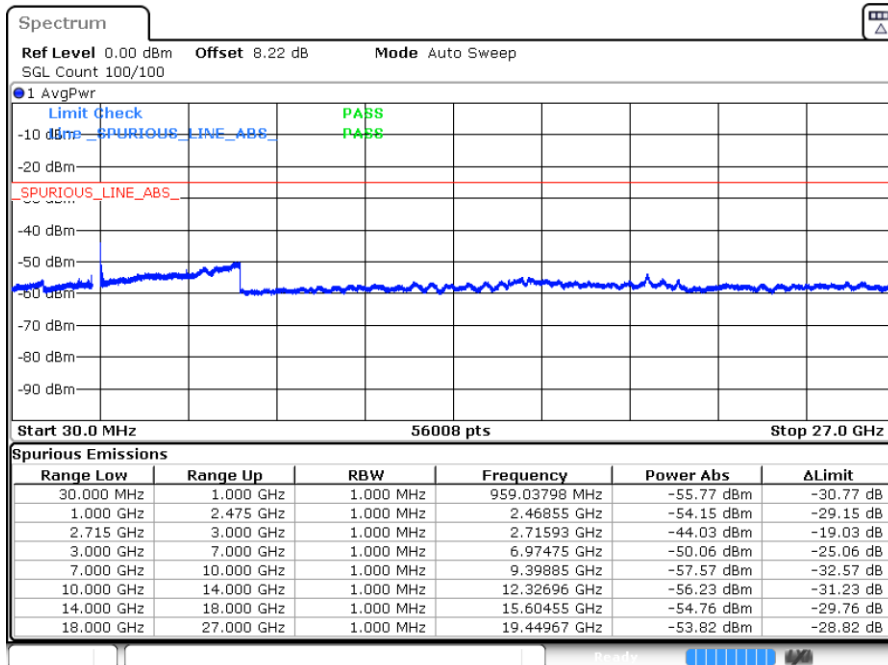
Date: 16 JAN 2023 20:55:48

Middle Channel / QPSK



Date: 16 JAN 2023 20:52:39

Highest Channel / QPSK

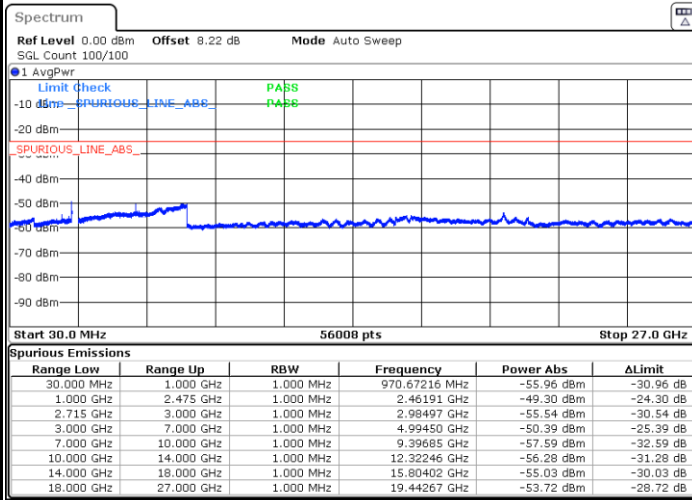


Date: 16 JAN 2023 20:54:10



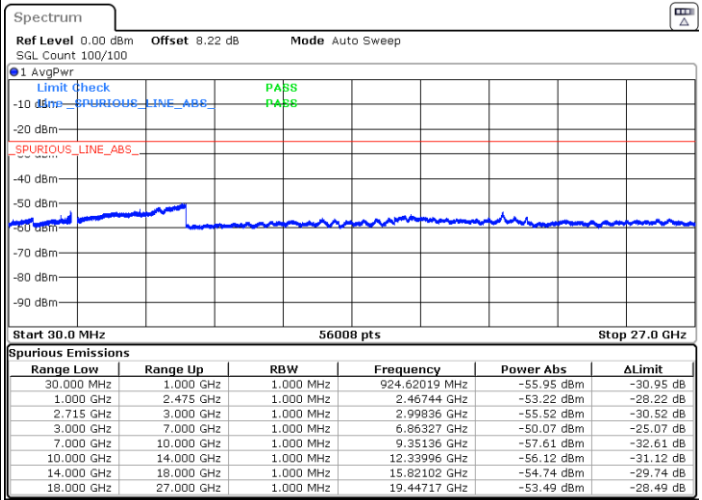
LTE Band 41 / 20MHz

Lowest Channel / QPSK



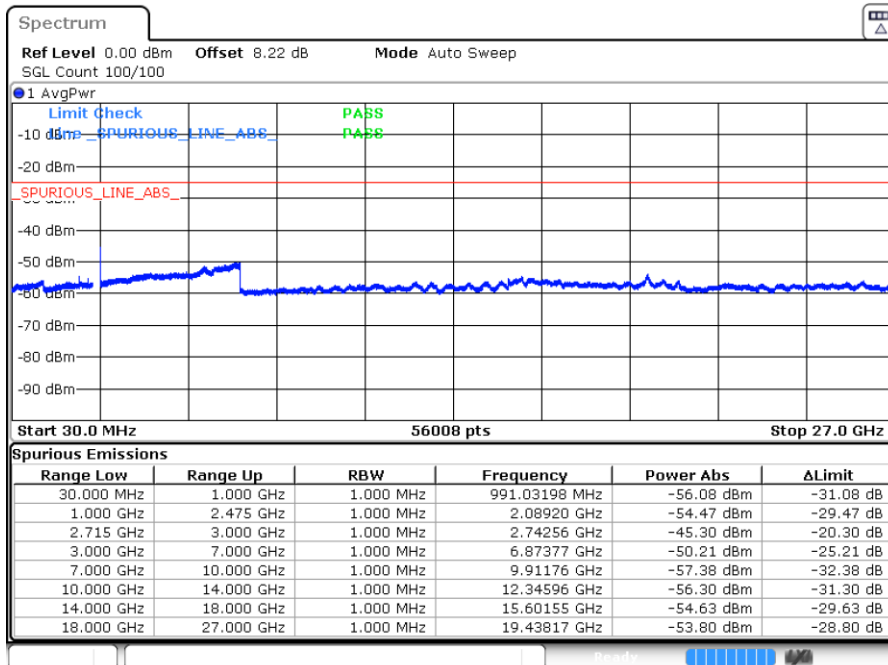
Date: 16 JAN 2023 21:23:23

Middle Channel / QPSK



Date: 16 JAN 2023 21:19:54

Highest Channel / QPSK



Date: 16 JAN 2023 21:21:45

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	0.0011	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0041	
20	End Point	0.0025	

Note:

1. Normal Voltage =3.8V. ; Battery End Point (BEP) =3.3 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 :	Carl Ni	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 7 / 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)
Middle	5050	-65.01	-25	-40.01	-75.22	3.03	13.24	H
	7578	-64.44	-25	-39.44	-73.89	3.56	13.01	H
	10107	-60.85	-25	-35.85	-70.37	3.92	13.44	H
	5050	-64.82	-25	-39.82	-75.03	3.03	13.24	V
	7578	-64.32	-25	-39.32	-73.77	3.56	13.01	V
	10107	-61.14	-25	-36.14	-70.66	3.92	13.44	V

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

LTE Band 12 / 10MHz / 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)
Middle	1406	-65.14	-13	-52.14	-72.11	1.58	10.70	H
	2109	-60.91	-13	-47.91	-69.16	2.102	12.50	H
	2812	-58.64	-13	-45.64	-67.53	2.856	13.90	H
	1406	-65.05	-13	-52.05	-72.02	1.58	10.70	V
	2109	-59.48	-13	-46.48	-67.73	2.10	12.50	V
	2812	-58.39	-13	-45.39	-67.28	2.86	13.90	V

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

LTE Band 13 / 5MHz / 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)
Middle	1560	-64.89	-42.15	-22.74	-67.52	1.09	5.87	H
	2339.25	-60.83	-13	-47.83	-63.23	1.37	5.92	H
	3120	-59.13	-13	-46.13	-63.02	1.64	7.68	H
	1560	-64.69	-42.15	-22.54	-67.32	1.09	5.87	V
	2339.25	-59.60	-13	-46.60	-62.00	1.37	5.92	V
	3120	-58.79	-13	-45.79	-62.68	1.64	7.68	V

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



LTE Band 13 / 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)
Middle	1555	-65.00	-13	-52.00	-67.63	1.09	5.87	H
	2332.5	-60.94	-13	-47.94	-63.34	1.37	5.92	H
	3110	-59.25	-13	-46.25	-63.14	1.64	7.68	H
	1555	-64.89	-13	-51.89	-67.52	1.09	5.87	V
	2332.5	-60.06	-13	-47.06	-62.46	1.37	5.92	V
	3110	-58.92	-13	-45.92	-62.81	1.64	7.68	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5170	-65.00	-25	-40.00	-75.21	3.03	13.24	H
	7752	-63.80	-25	-38.80	-73.25	3.56	13.01	H
	10332	-59.81	-25	-34.81	-69.33	3.92	13.44	H
	5170	-64.92	-25	-39.92	-75.13	3.03	13.24	V
	7752	-63.84	-25	-38.84	-73.29	3.56	13.01	V
	10332	-59.76	-25	-34.76	-69.28	3.92	13.44	V

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