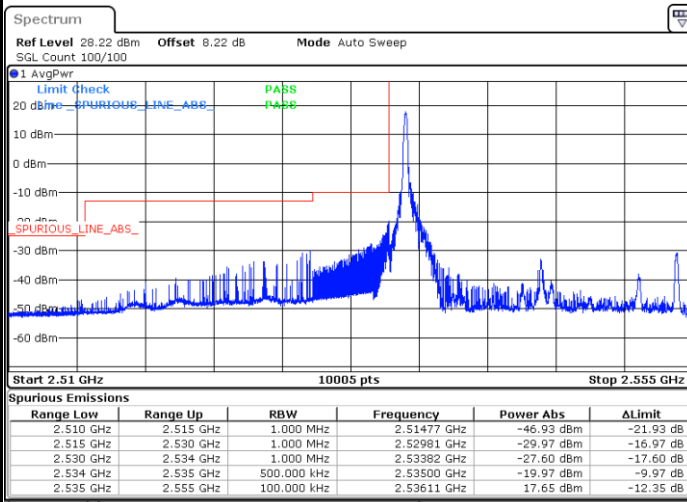




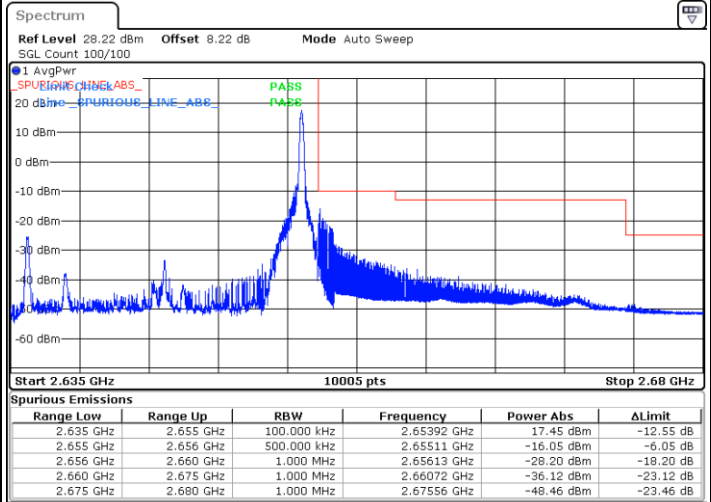
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



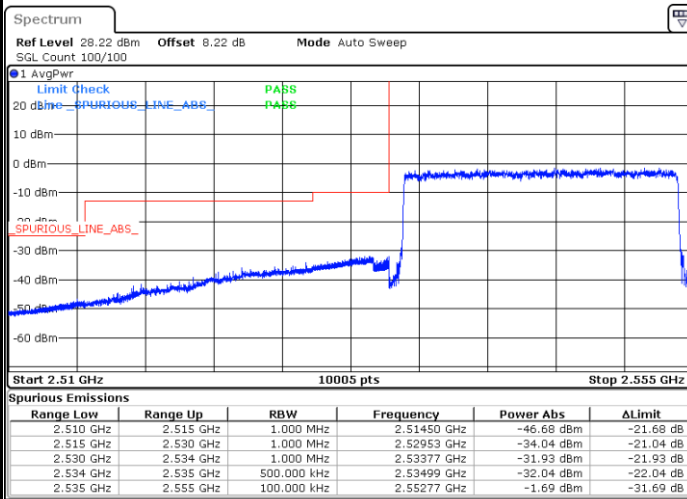
Date: 18.OCT.2022 13:58:47

Highest Band Edge / 1 RB



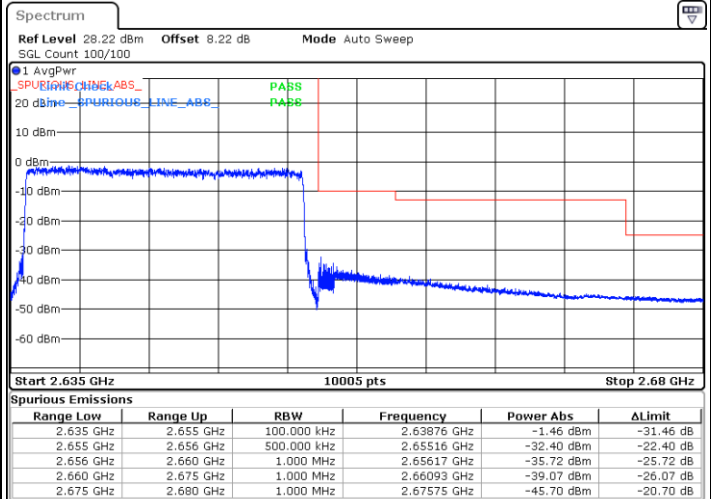
Date: 18.OCT.2022 14:09:50

Lowest Band Edge / Full RB



Date: 18.OCT.2022 14:02:57

Highest Band Edge / Full RB

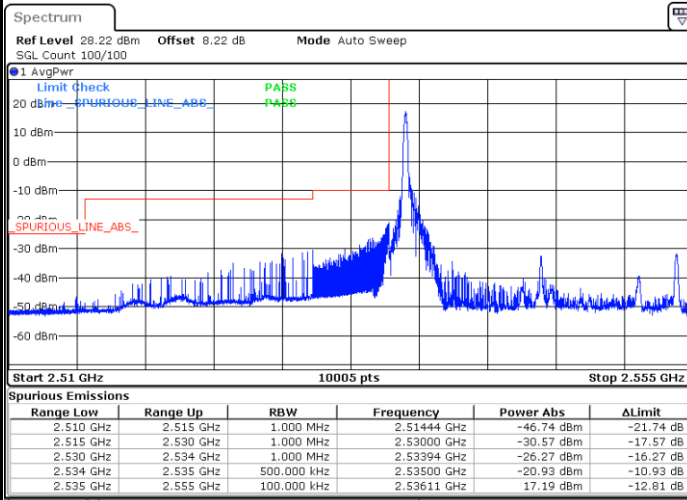


Date: 18.OCT.2022 14:17:08



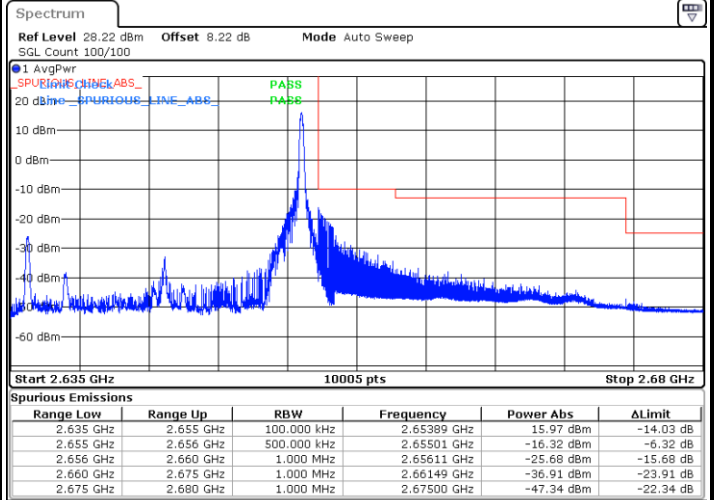
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



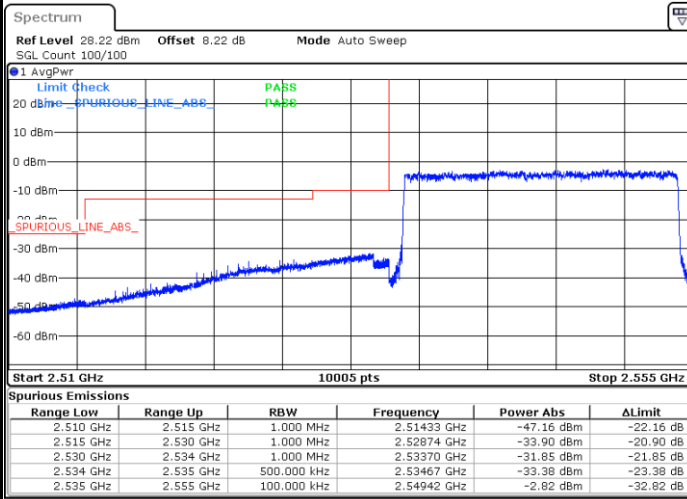
Date: 18.OCT.2022 14:00:10

Highest Band Edge / 1 RB



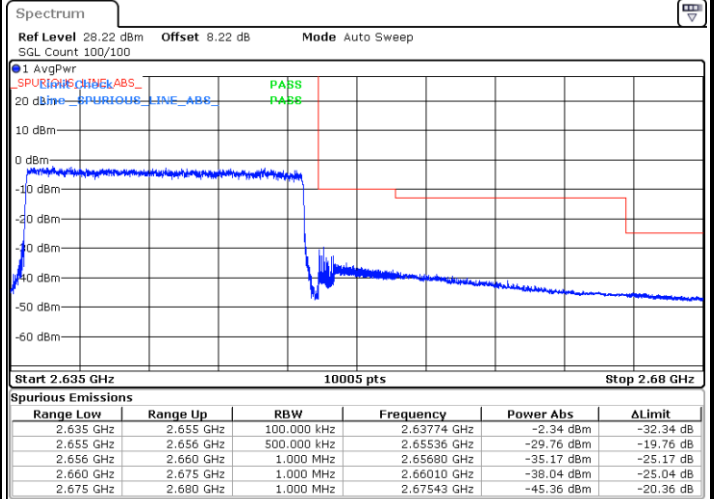
Date: 18.OCT.2022 14:11:14

Lowest Band Edge / Full RB



Date: 18.OCT.2022 14:04:21

Highest Band Edge / Full RB

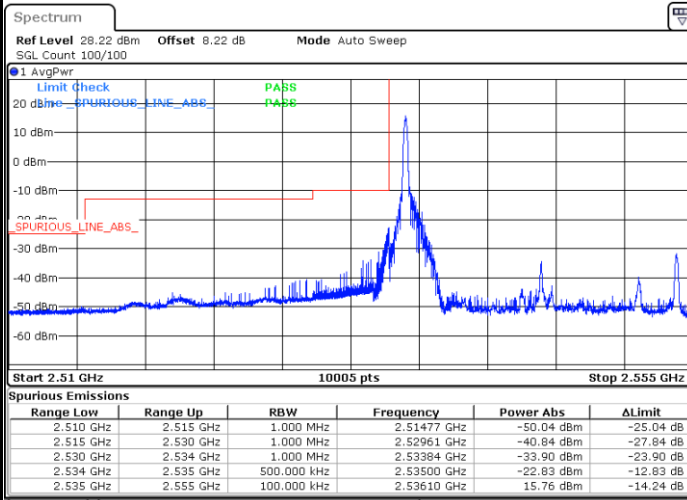


Date: 18.OCT.2022 14:15:44



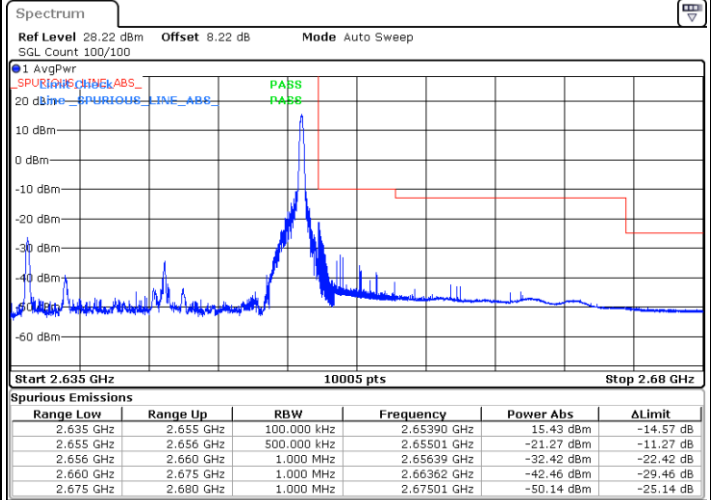
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



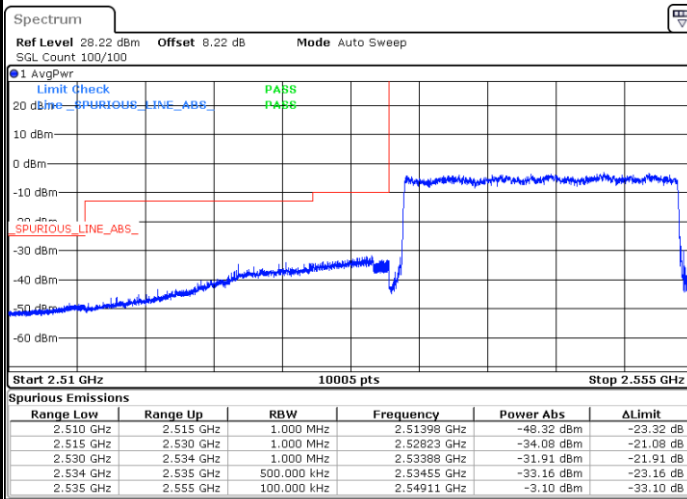
Date: 18.OCT.2022 14:01:34

Highest Band Edge / 1 RB



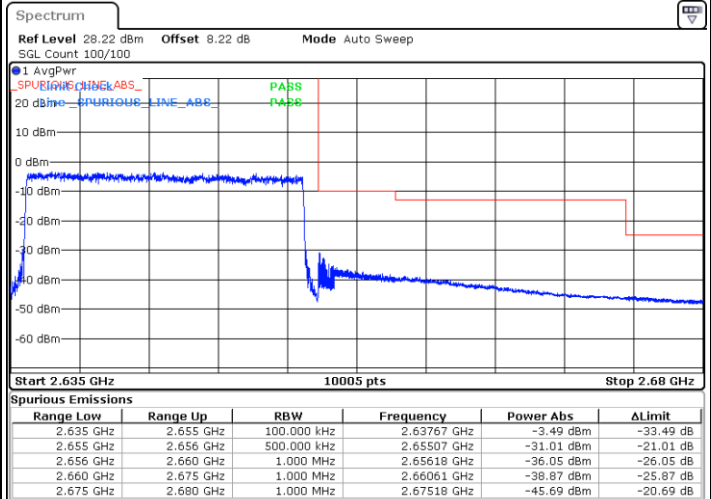
Date: 18.OCT.2022 14:12:37

Lowest Band Edge / Full RB



Date: 18.OCT.2022 14:05:44

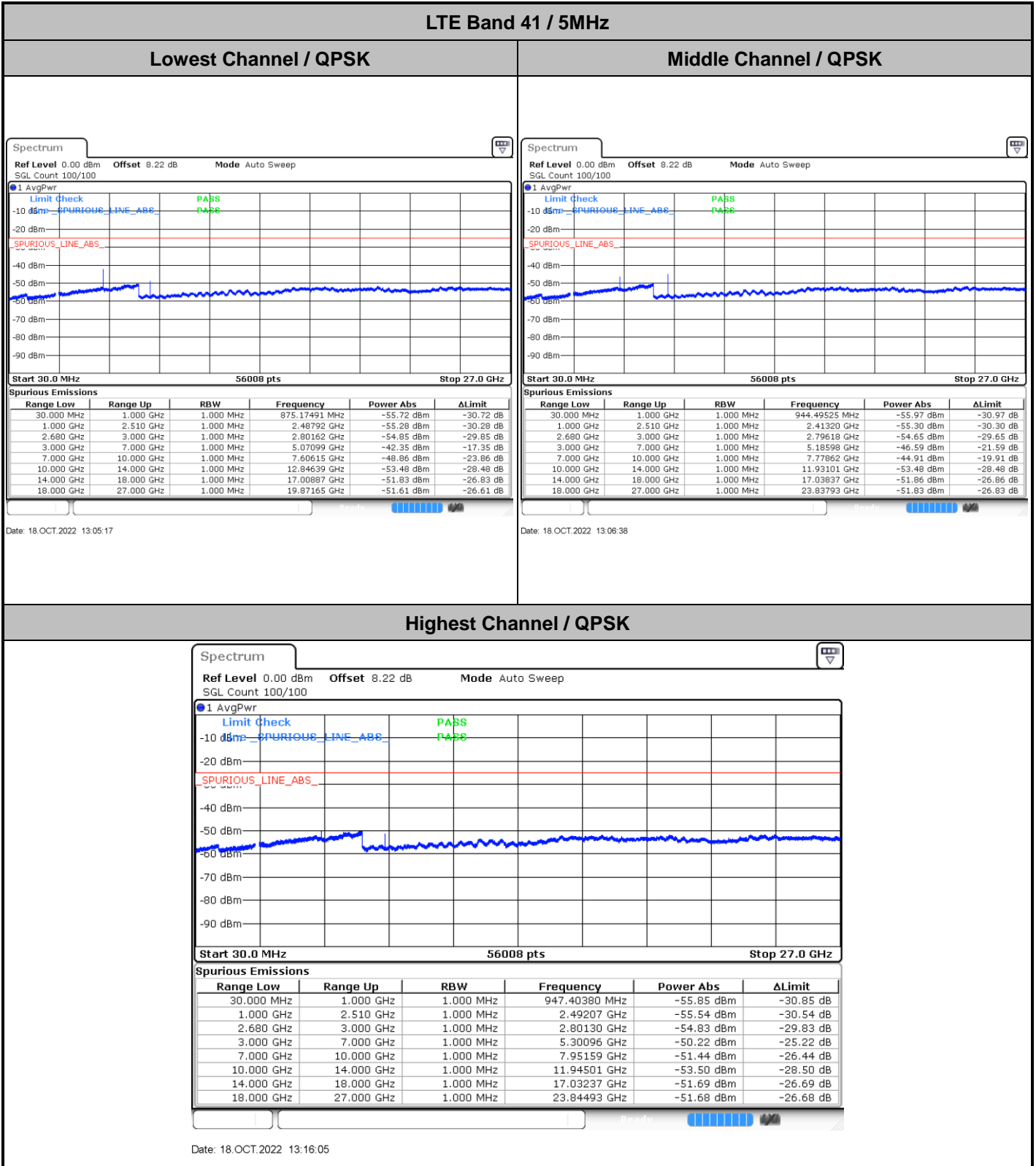
Highest Band Edge / Full RB



Date: 18.OCT.2022 14:14:00



# Conducted Spurious Emission

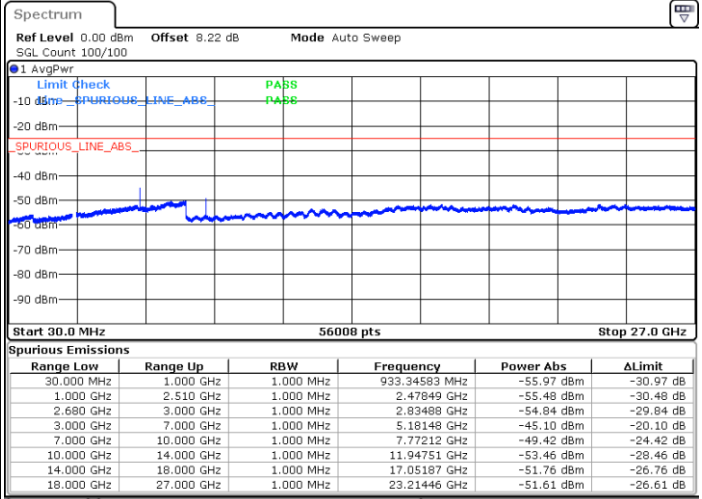
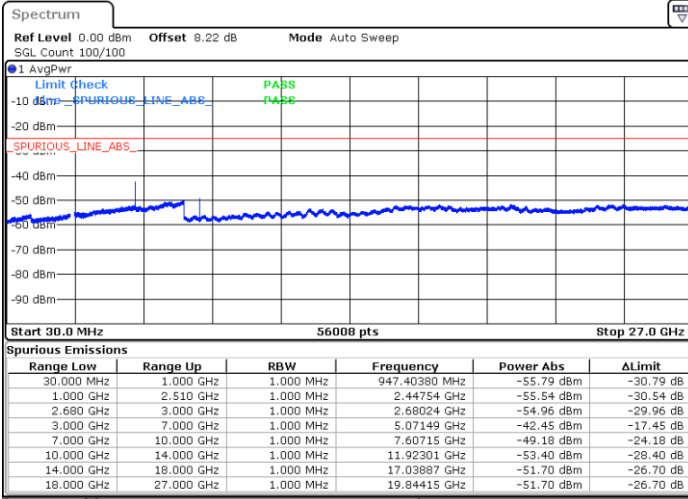




LTE Band 41 / 10MHz

Lowest Channel / QPSK

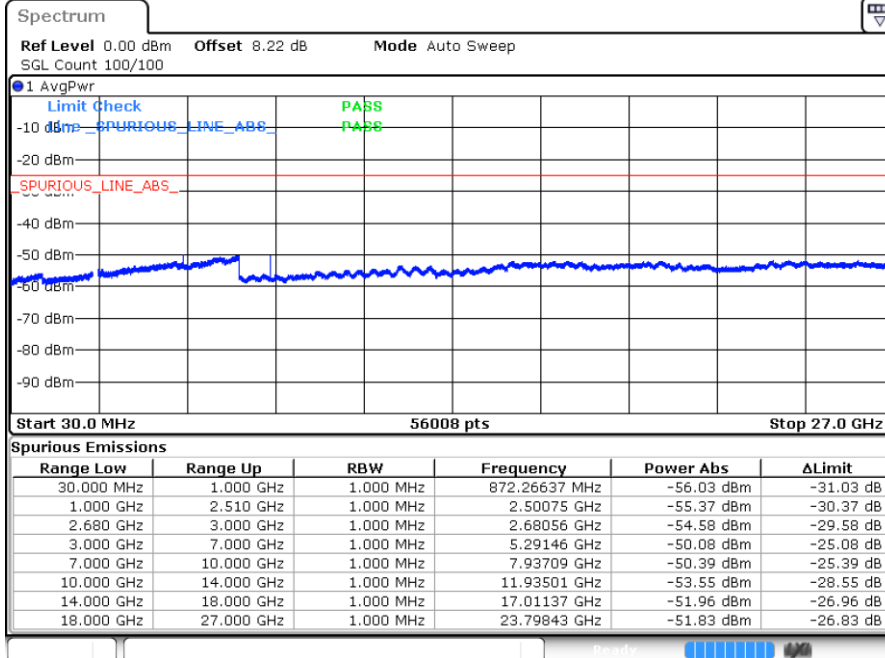
Middle Channel / QPSK



Date: 18.OCT.2022 13:25:47

Date: 18.OCT.2022 13:27:08

Highest Channel / QPSK



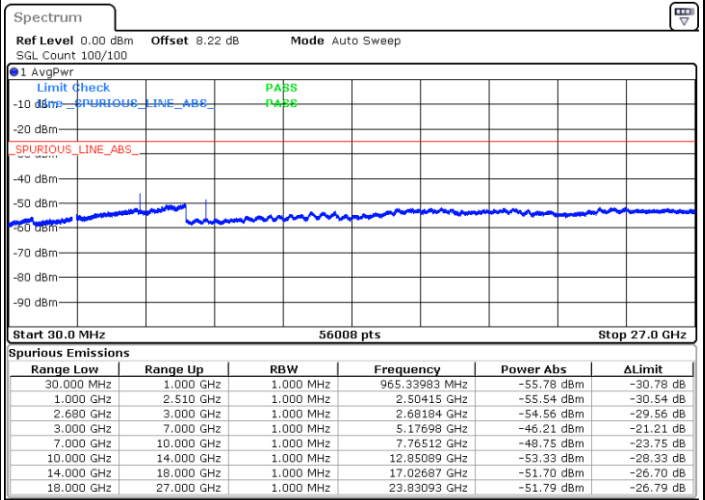
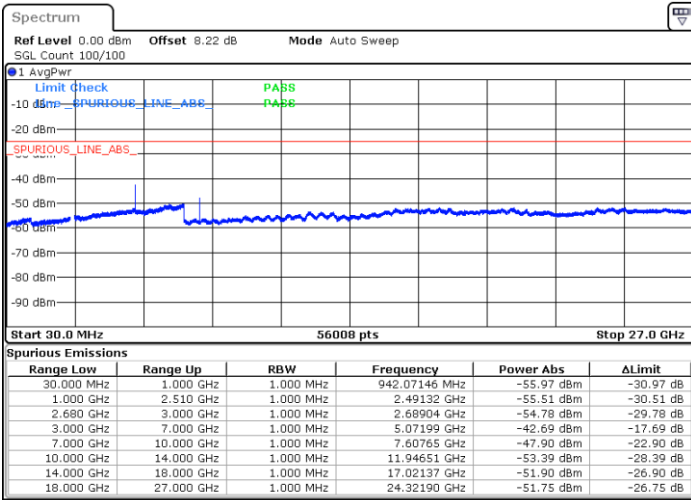
Date: 18.OCT.2022 13:36:36



LTE Band 41 / 15MHz

Lowest Channel / QPSK

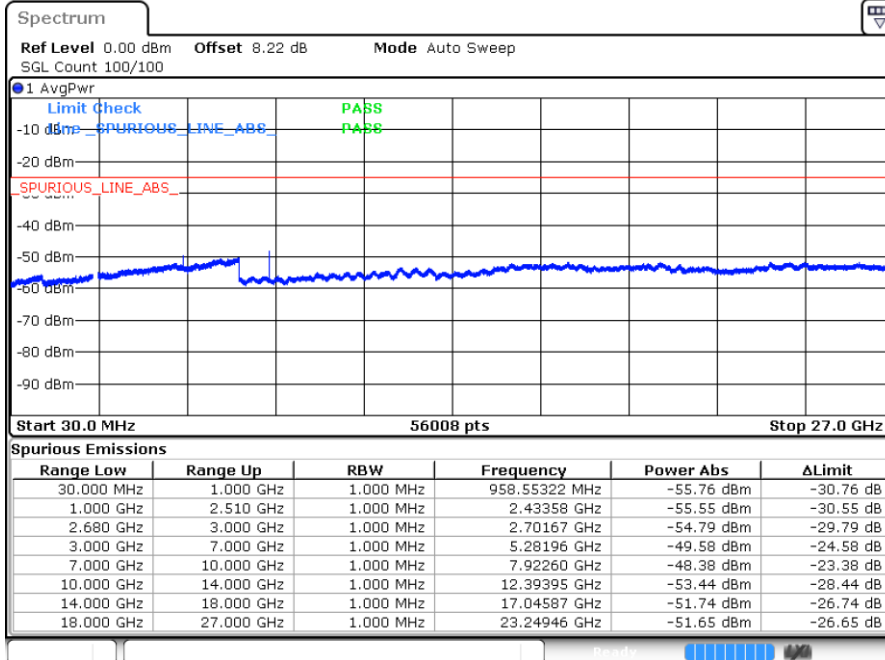
Middle Channel / QPSK



Date: 18.OCT.2022 13:46:19

Date: 18.OCT.2022 13:47:40

Highest Channel / QPSK

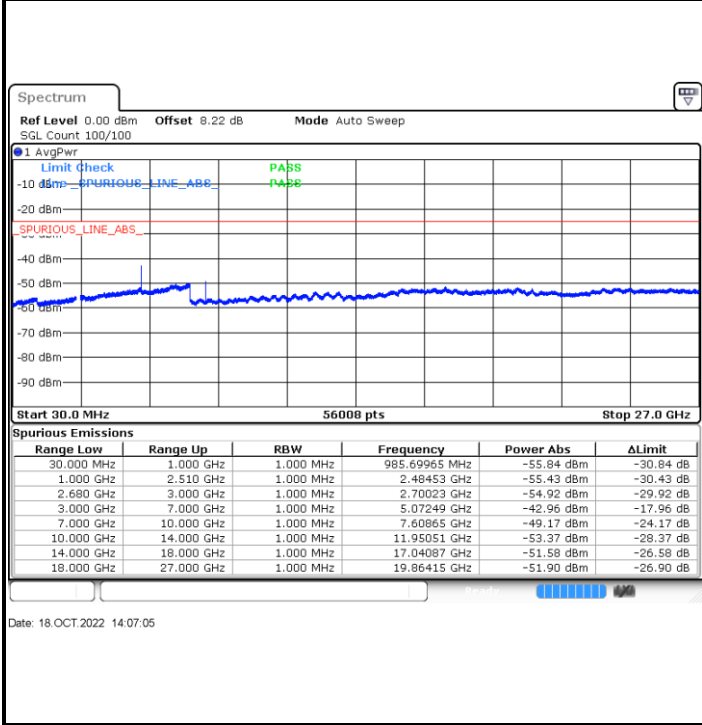


Date: 18.OCT.2022 13:57:23

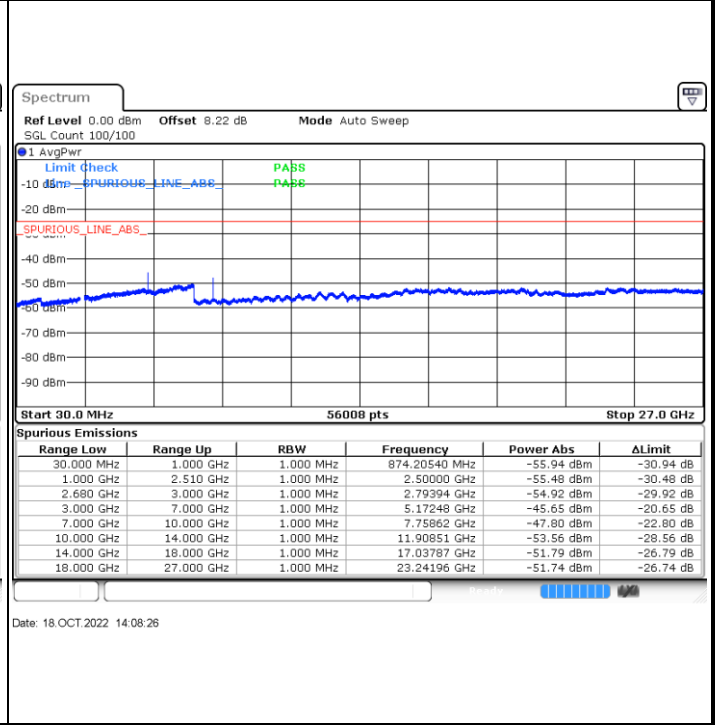


**LTE Band 41 / 20MHz**

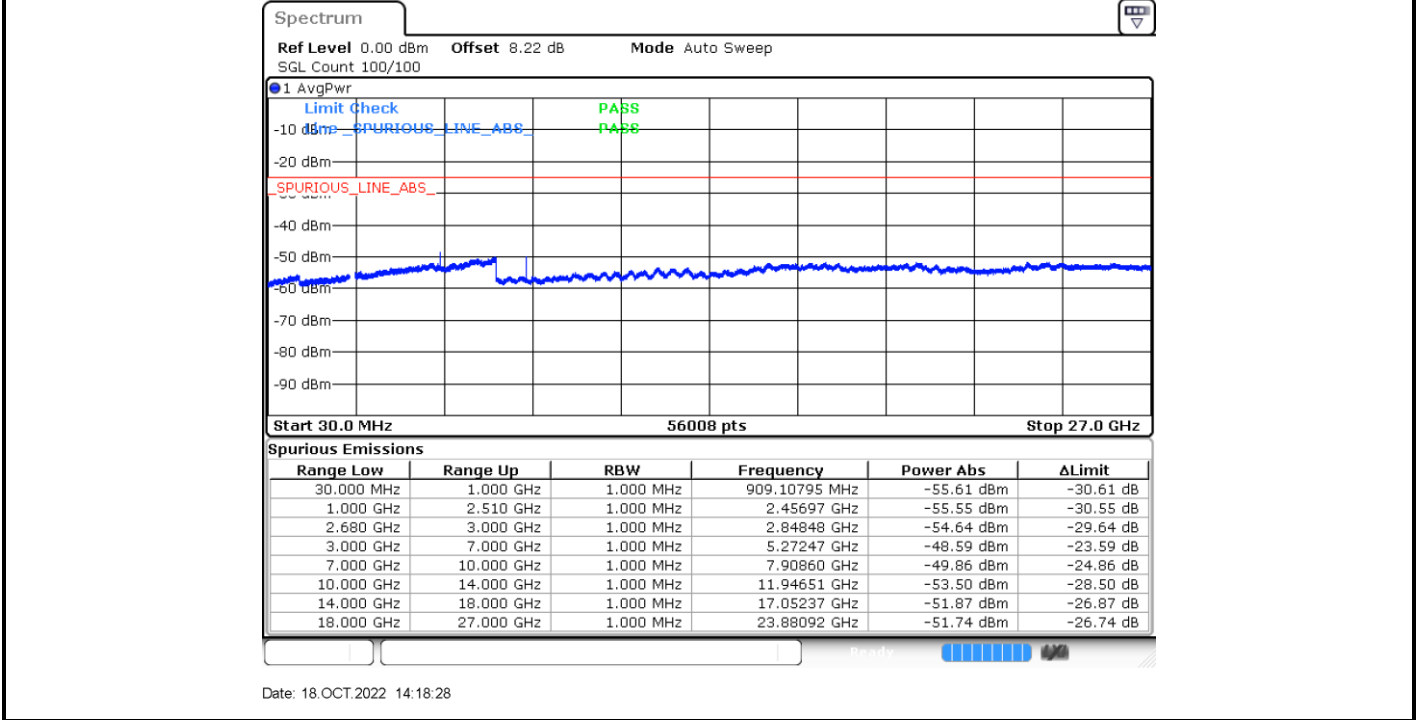
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**





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	0.0031	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 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 2 / 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	3759	-58.64	-13	-45.64	-70.90	2.64	14.90	H
	5640	-56.95	-13	-43.95	-68.81	2.94	14.80	H
	7524	-54.55	-13	-41.55	-64.32	3.39	13.16	H
	3759	-58.50	-13	-45.50	-70.76	2.64	14.90	V
	5640	-57.12	-13	-44.12	-68.98	2.94	14.80	V
	7524	-54.66	-13	-41.66	-64.43	3.39	13.16	V

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

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)
Middle	1663	-65.72	-13	-52.72	-72.69	1.58	10.70	H
	2496	-55.88	-13	-42.88	-64.13	2.102	12.50	H
	3324	-60.59	-13	-47.59	-69.48	2.856	13.90	H
	1664	-62.92	-13	-49.92	-69.89	1.58	10.70	V
	2496	-55.71	-13	-42.71	-63.96	2.10	12.50	V
	3324	-60.17	-13	-47.17	-69.06	2.86	13.90	V

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

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	5052	-63.21	-25	-38.21	-73.42	3.03	13.24	H
	7576	-59.54	-25	-34.54	-68.99	3.56	13.01	H
	10100	-61.18	-25	-36.18	-70.70	3.92	13.44	H
	5052	-63.22	-25	-38.22	-73.14	4.44	14.36	V
	7576	-60.01	-25	-35.01	-70.38	4.77	15.14	V
	10100	-62.67	-25	-37.67	-73.55	4.86	15.74	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	5168	-64.47	-25	-39.47	-74.68	3.03	13.24	H
	7752	-62.28	-25	-37.28	-71.73	3.56	13.01	H
	10340	-59.37	-25	-34.37	-68.89	3.92	13.44	H
	5168	-64.13	-25	-39.13	-74.05	4.44	14.36	V
	7752	-62.81	-25	-37.81	-73.18	4.77	15.14	V
	10340	-62.63	-25	-37.63	-73.51	4.86	15.74	V

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