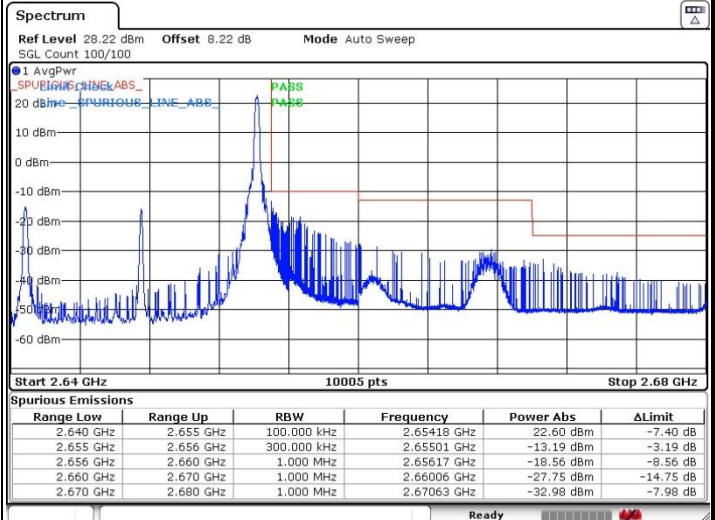
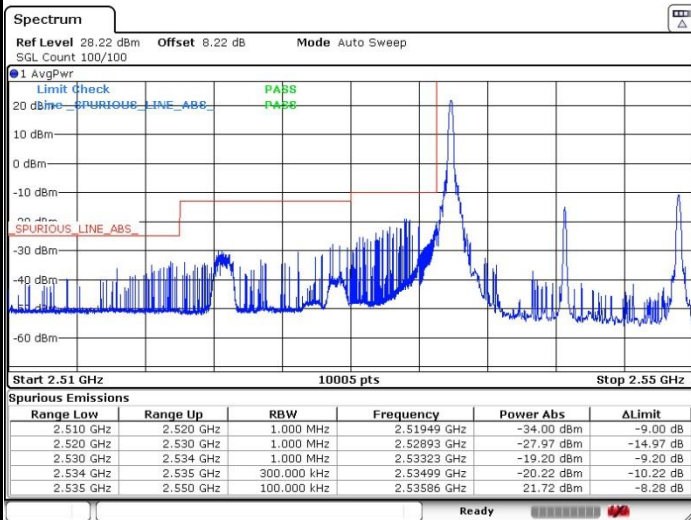




LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

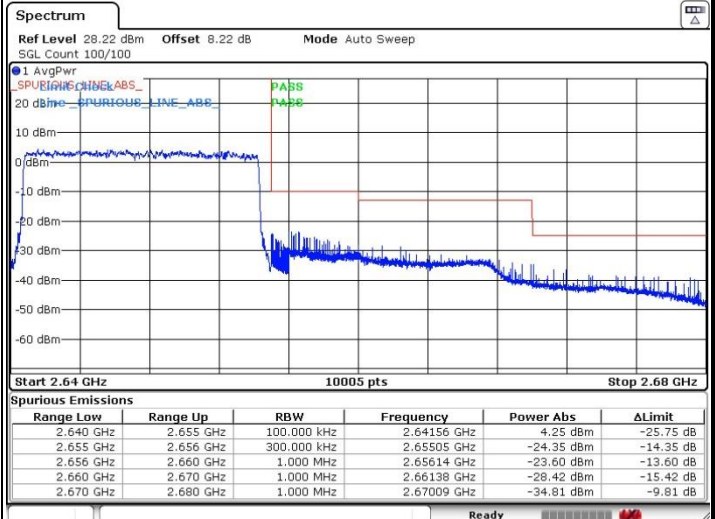
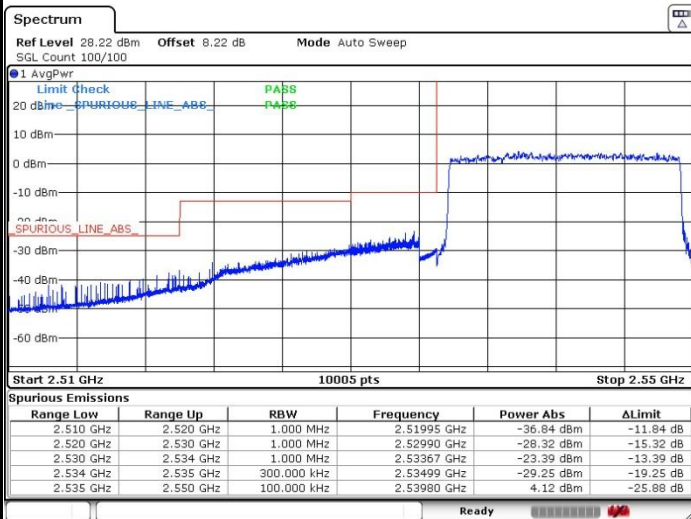


Date: 11.AUG.2020 21:16:33

Date: 11.AUG.2020 21:32:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



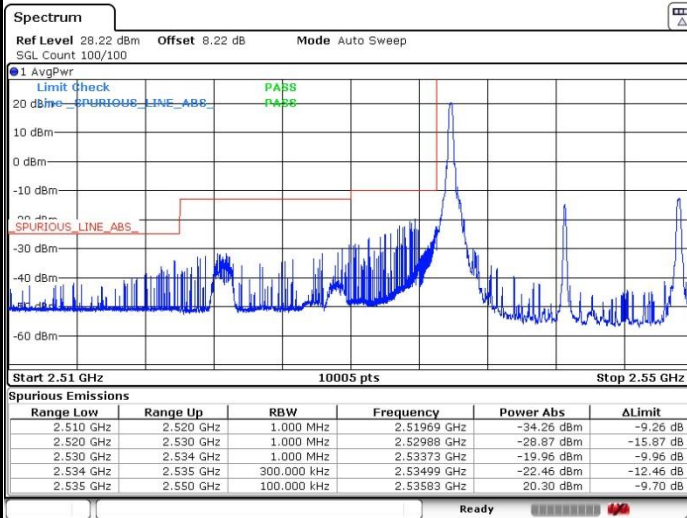
Date: 11.AUG.2020 21:15:00

Date: 11.AUG.2020 21:31:55



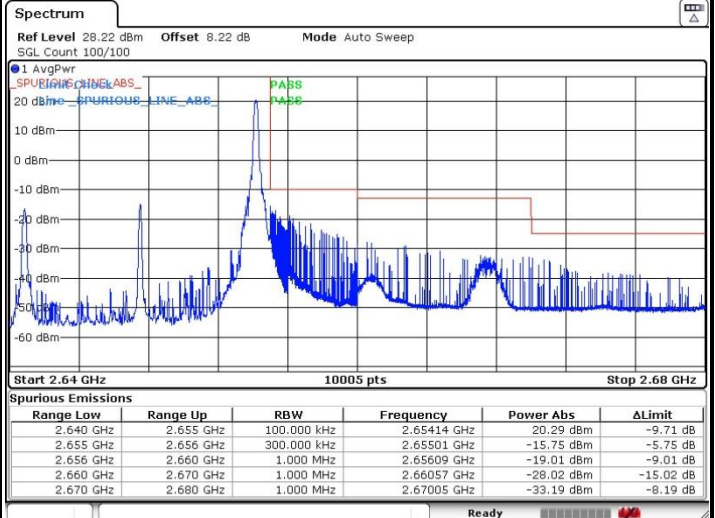
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



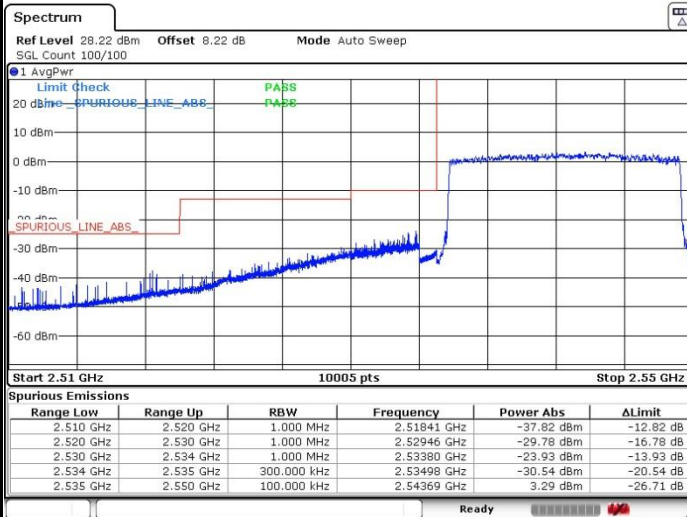
Date: 11.AUG.2020 21:17:02

Highest Band Edge / 1 RB



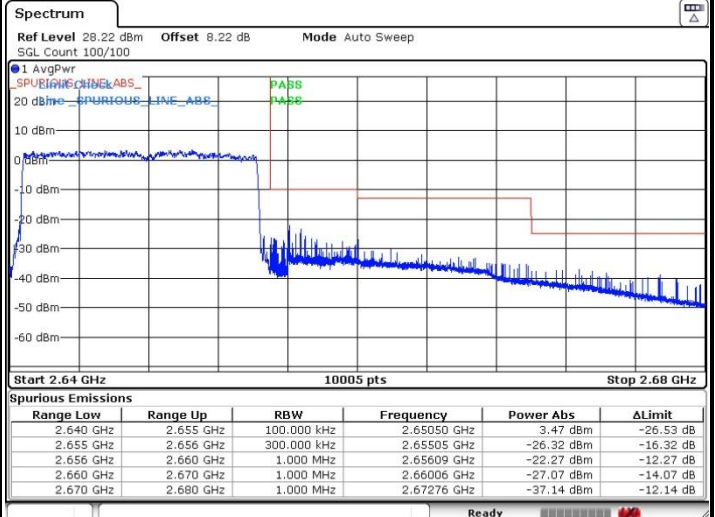
Date: 11.AUG.2020 21:32:59

Lowest Band Edge / Full RB



Date: 11.AUG.2020 21:15:27

Highest Band Edge / Full RB



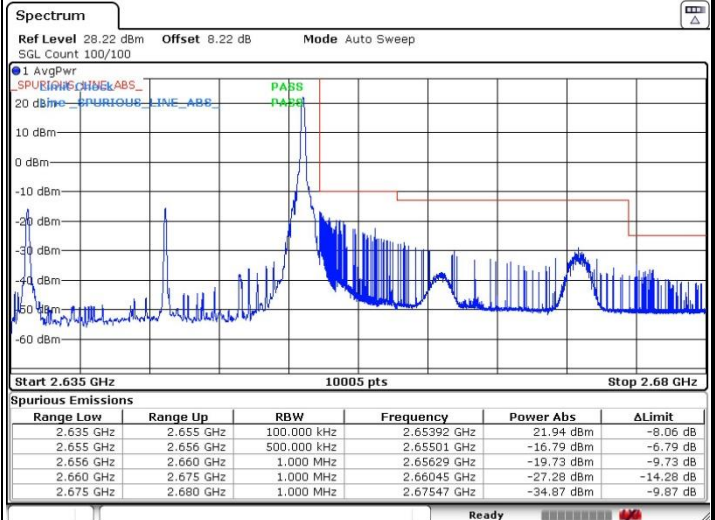
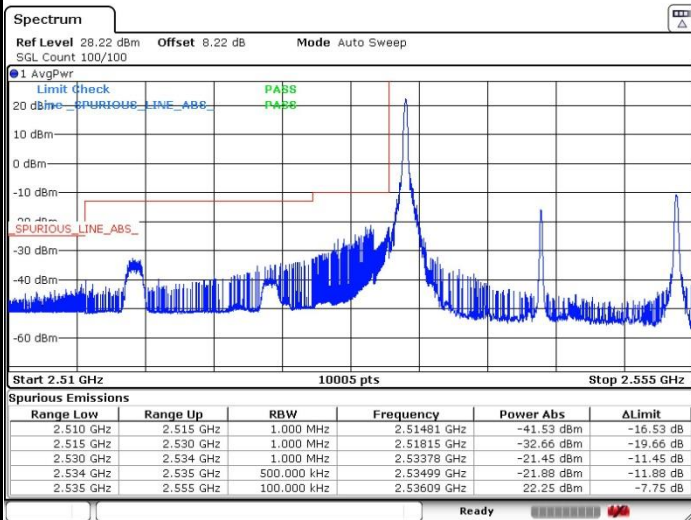
Date: 11.AUG.2020 21:32:13



LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

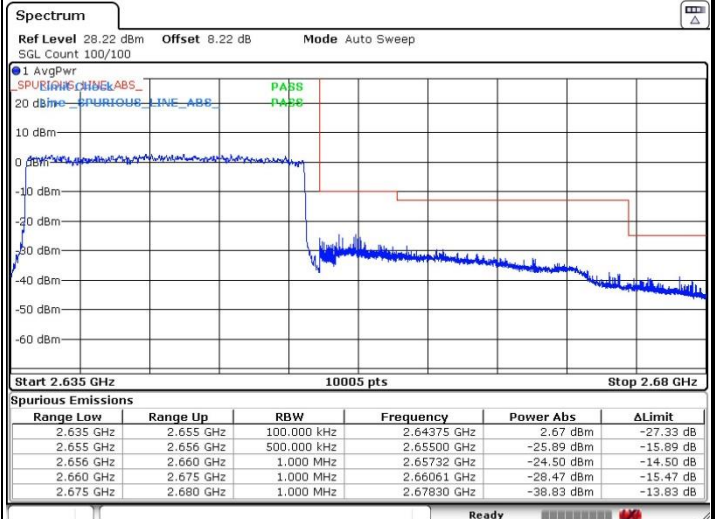
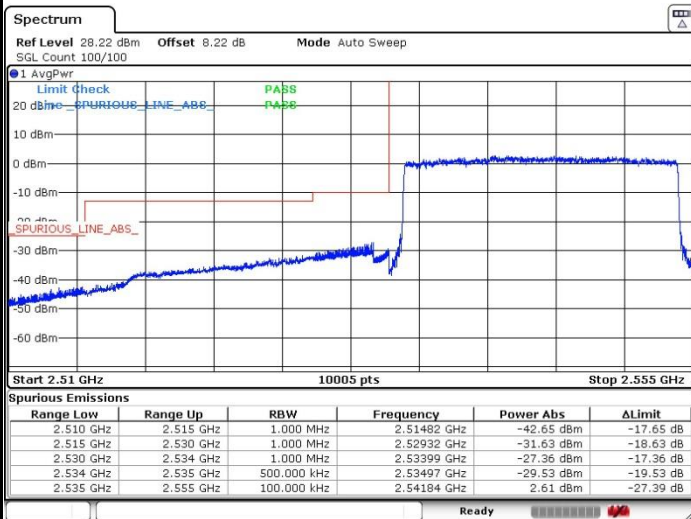


Date: 11.AUG.2020 21:22:39

Date: 11.AUG.2020 21:27:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



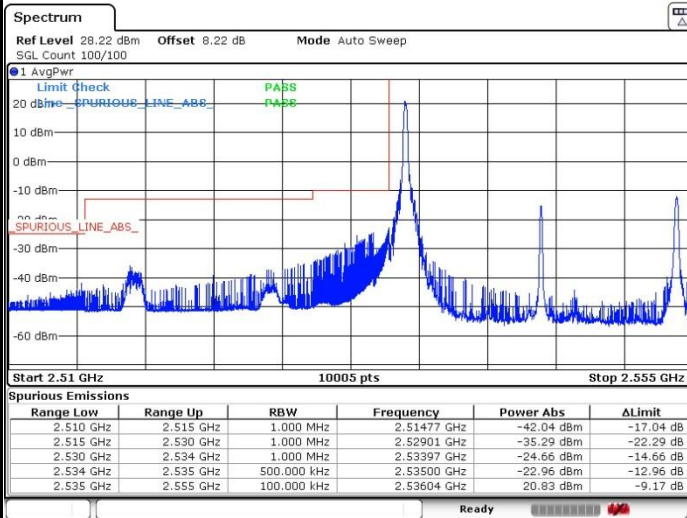
Date: 11.AUG.2020 21:20:13

Date: 11.AUG.2020 21:28:33



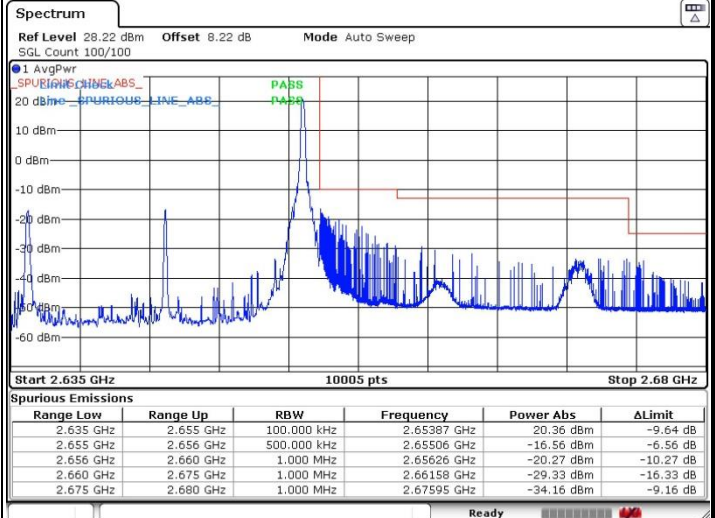
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



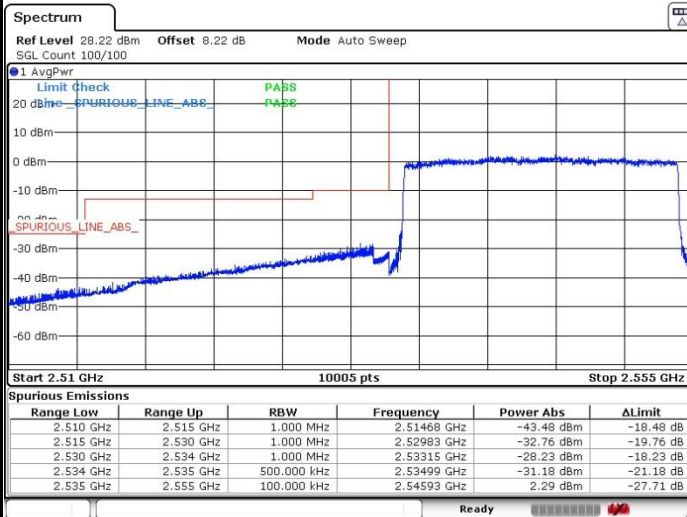
Date: 11.AUG.2020 21:23:10

Highest Band Edge / 1 RB



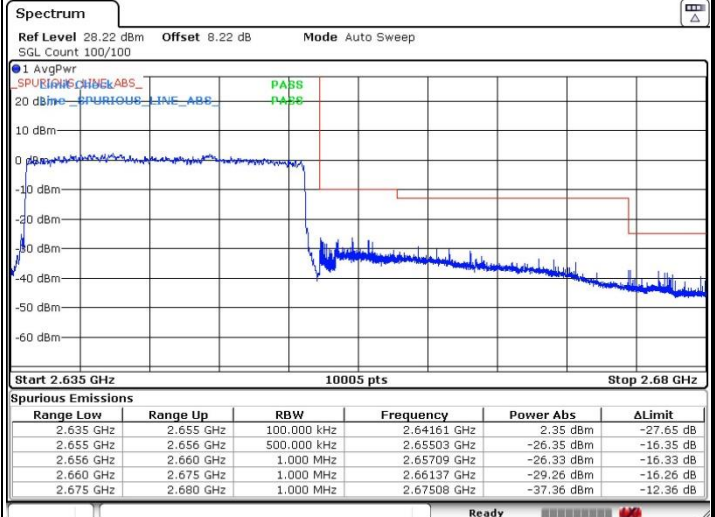
Date: 11.AUG.2020 21:28:10

Lowest Band Edge / Full RB



Date: 11.AUG.2020 21:20:46

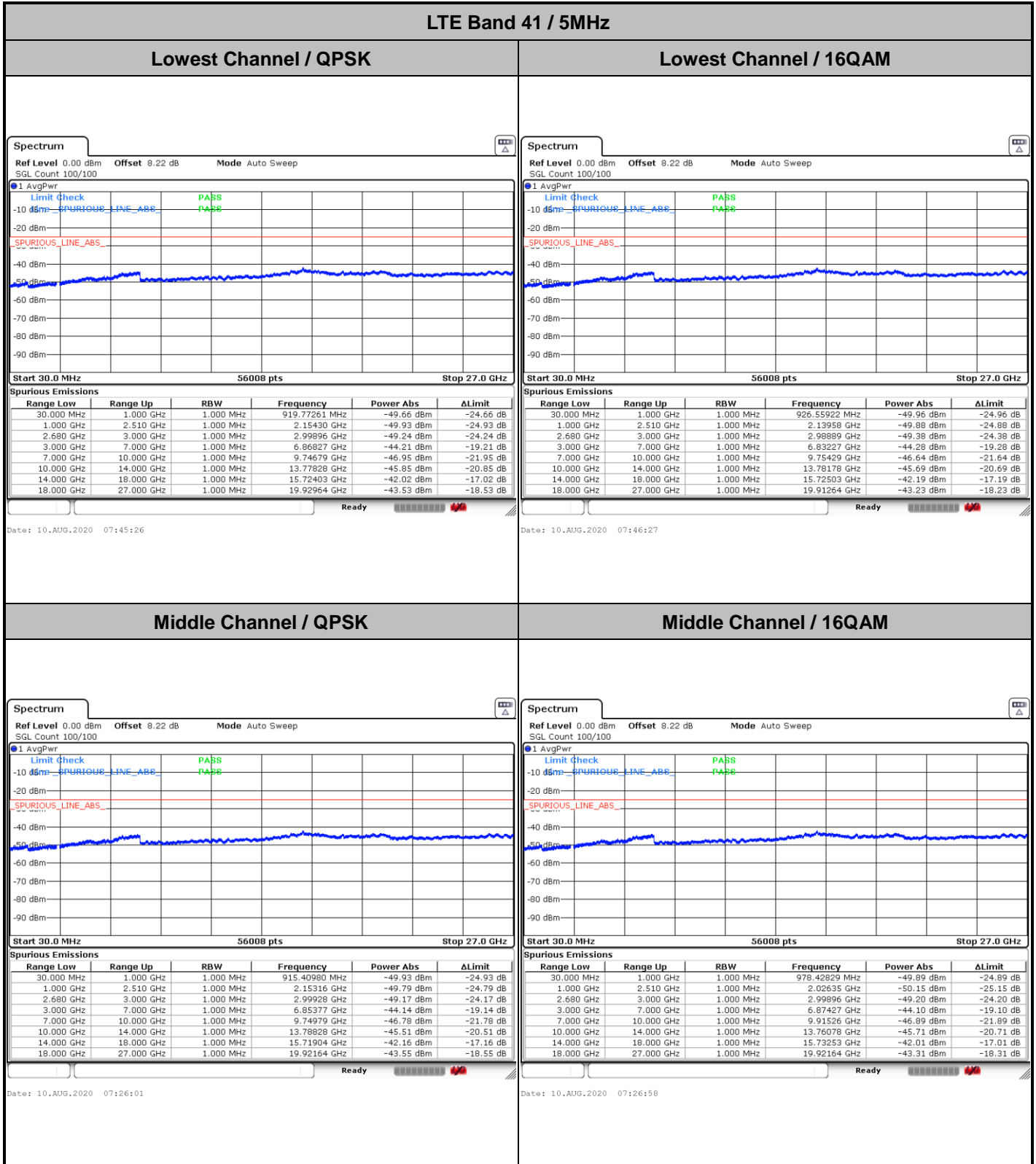
Highest Band Edge / Full RB



Date: 11.AUG.2020 21:28:52



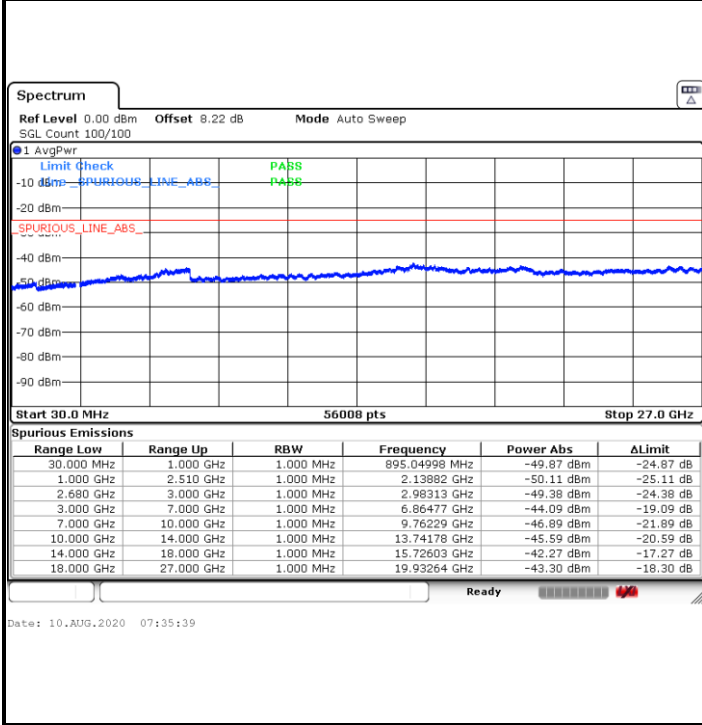
# Conducted Spurious Emission





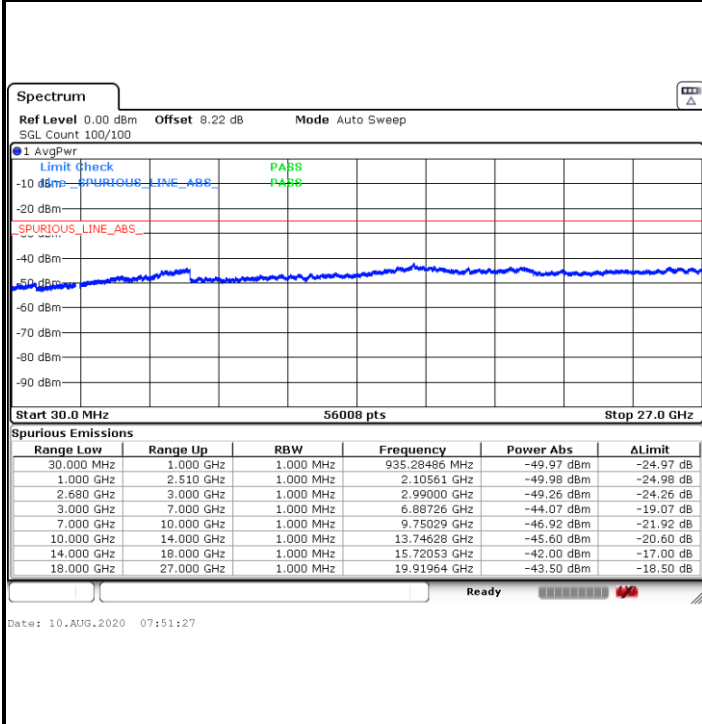
LTE Band 41 / 5MHz

Highest Channel / QPSK



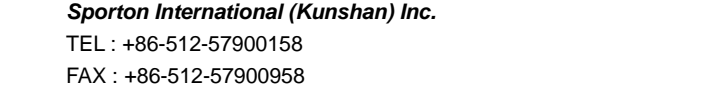
LTE Band 41 / 10MHz

Lowest Channel / QPSK



LTE Band 41 / 10MHz

Lowest Channel / 16QAM



LTE Band 41 / 10MHz

Lowest Channel / 16QAM

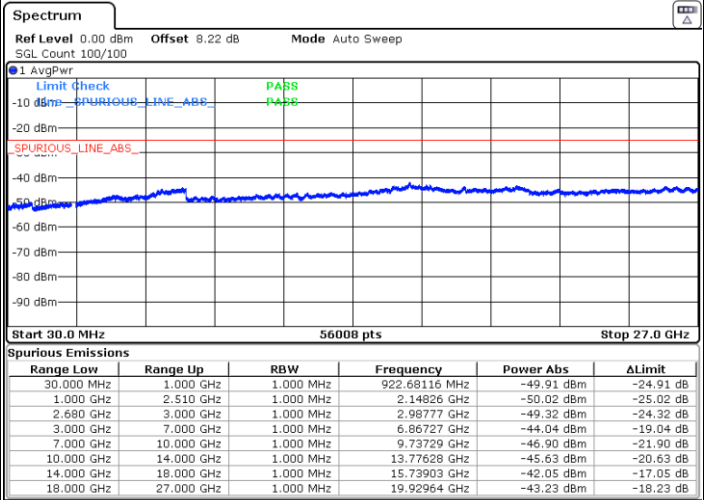
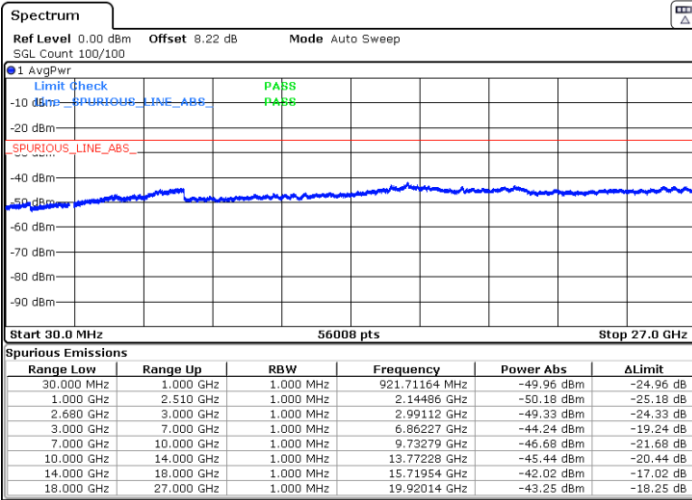




LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

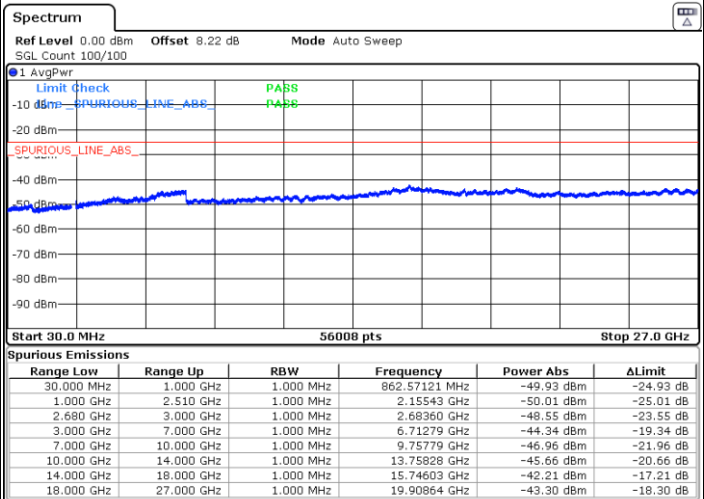
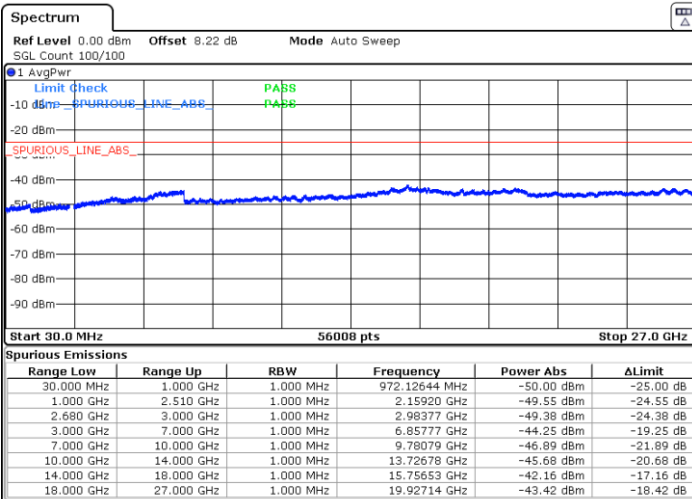


Date: 10.AUG.2020 07:32:29

Date: 10.AUG.2020 07:33:24

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.AUG.2020 07:38:31

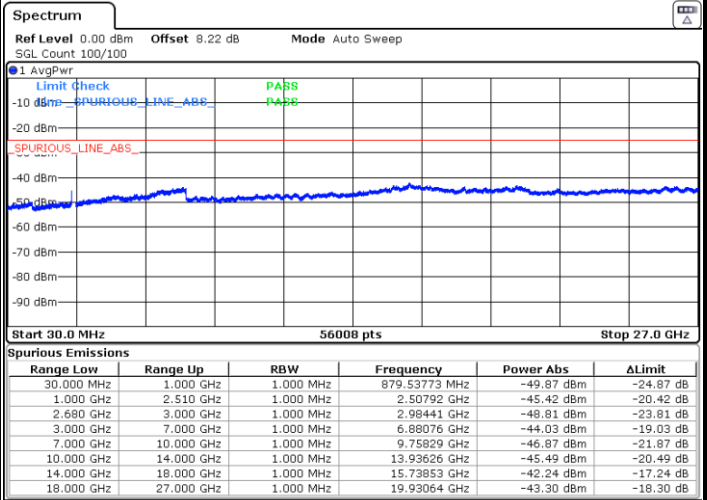
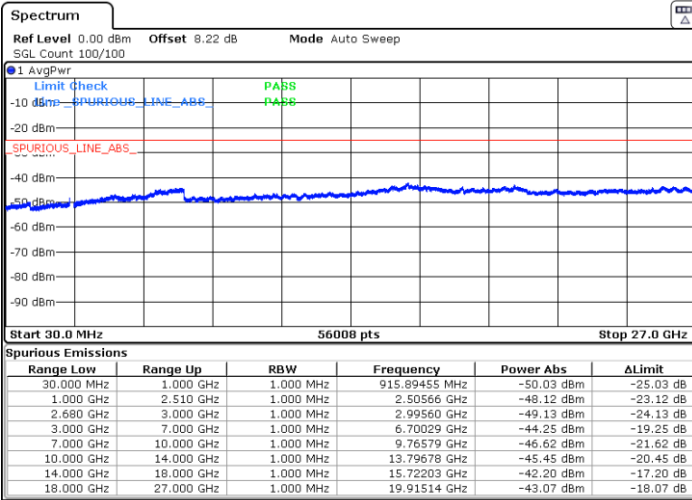
Date: 10.AUG.2020 07:39:40



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

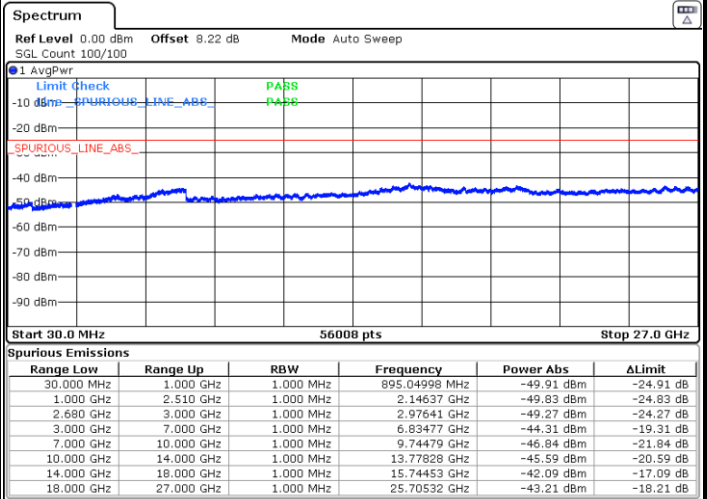
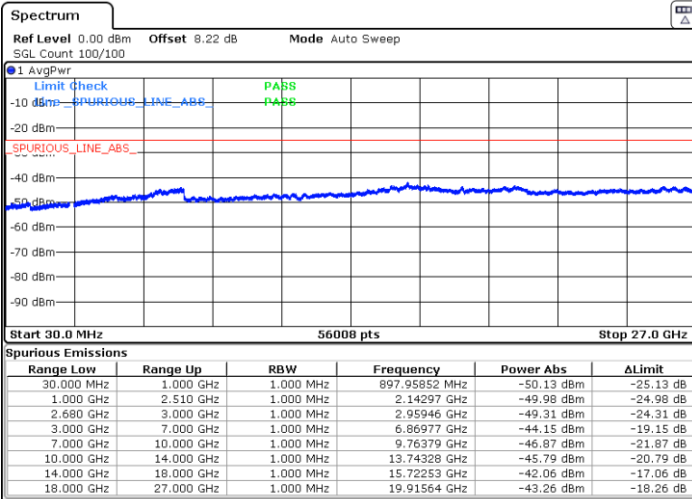


Date: 10.AUG.2020 07:48:16

Date: 10.AUG.2020 07:49:28

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 10.AUG.2020 07:28:58

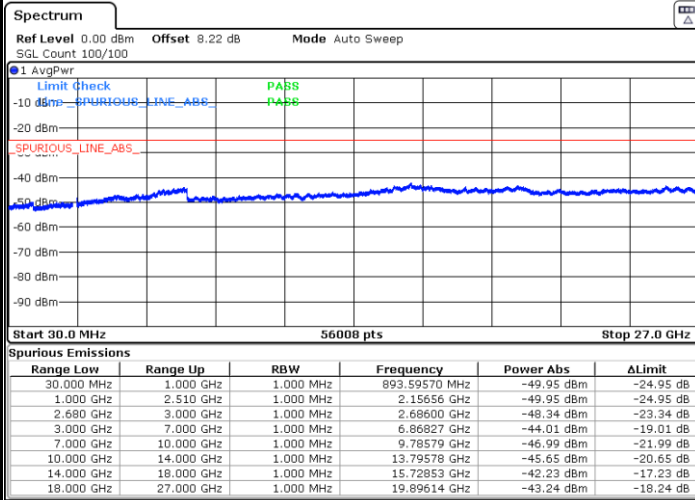
Date: 10.AUG.2020 07:30:22





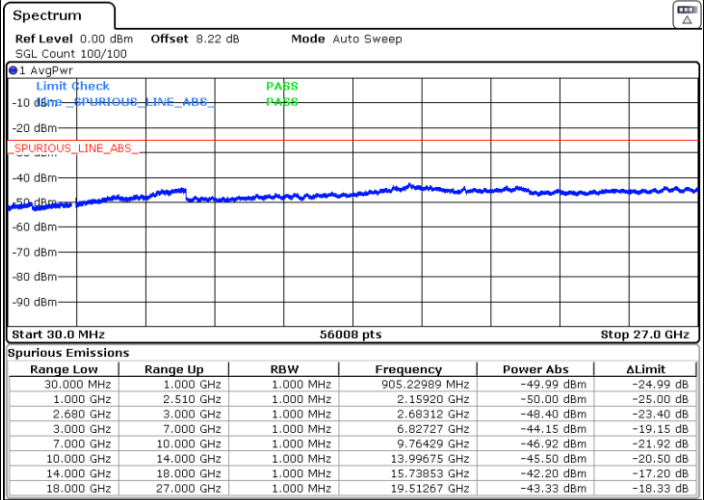
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 10.AUG.2020 07:42:16

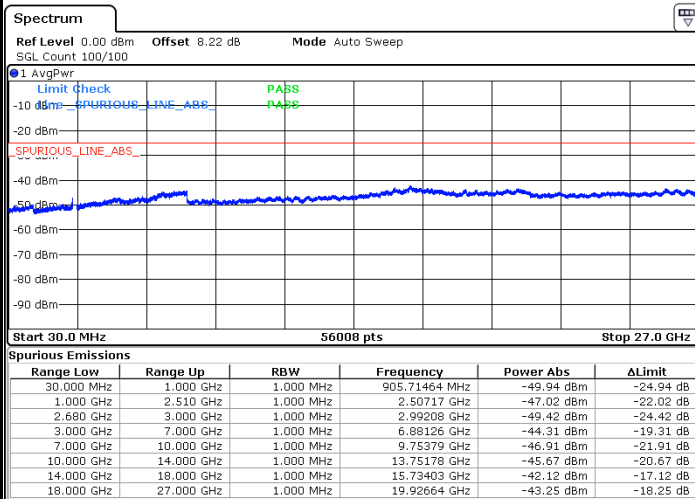
Highest Channel / 16QAM



Date: 10.AUG.2020 07:43:25

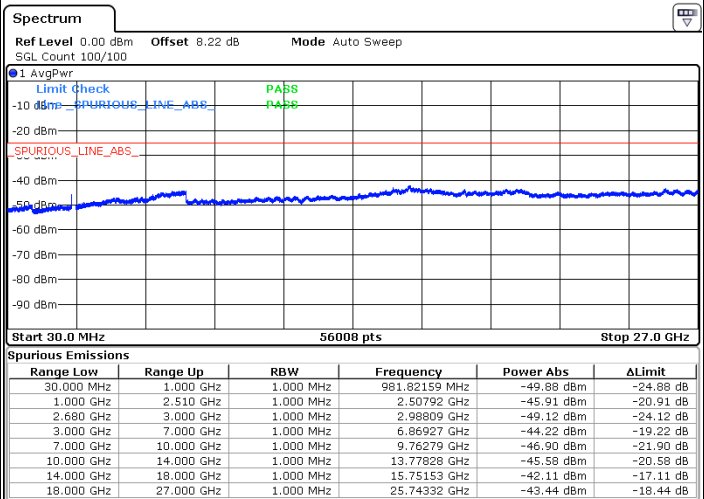
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 10.AUG.2020 06:47:44

Lowest Channel / 16QAM



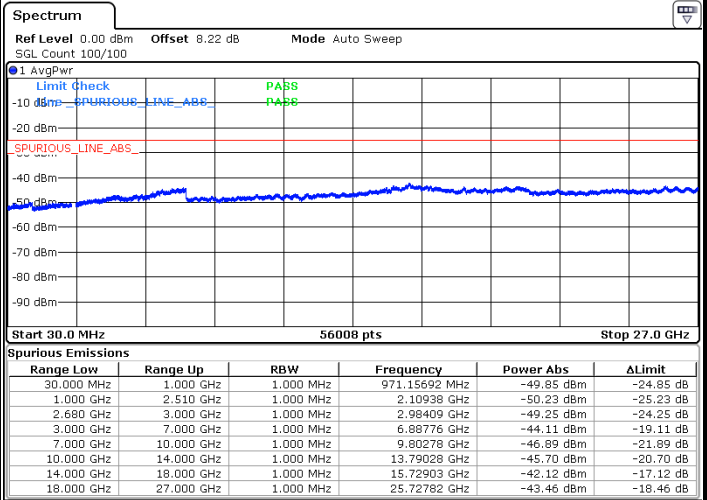
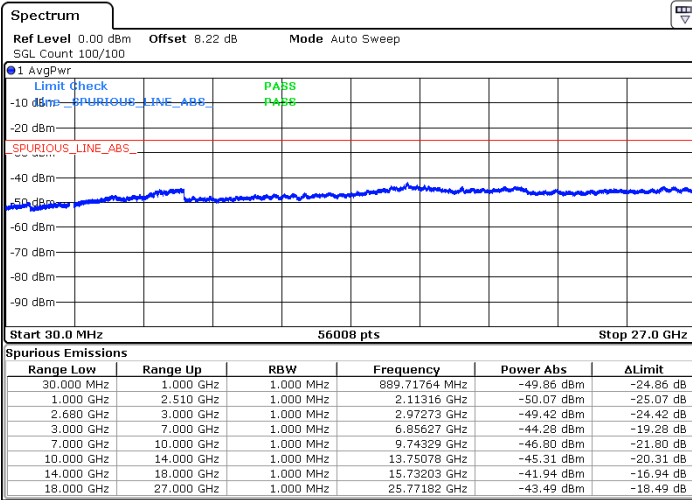
Date: 10.AUG.2020 06:48:56



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

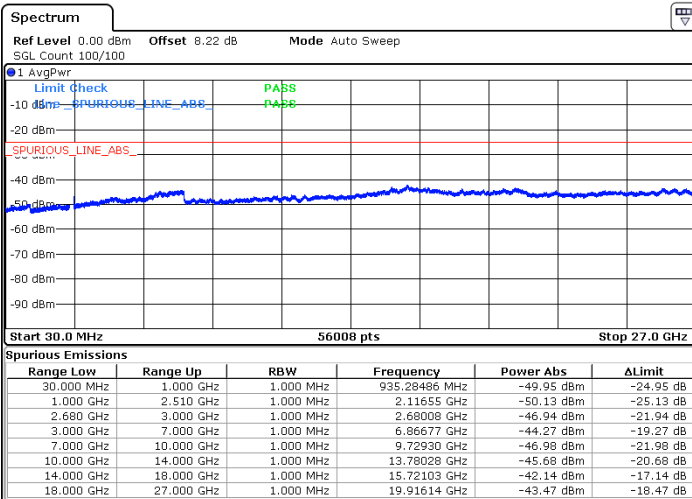


Date: 10.AUG.2020 06:51:20

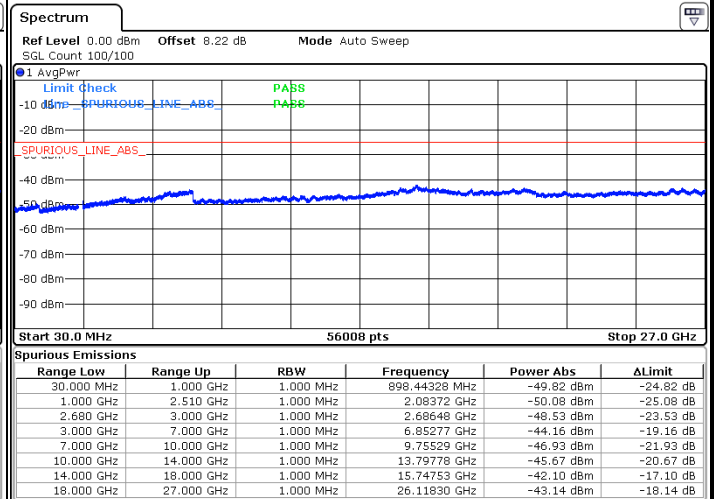
Date: 10.AUG.2020 06:52:20

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.AUG.2020 06:44:17



Date: 10.AUG.2020 06:45:17



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	0.0020	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0040	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.8 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 38 / 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	5140	-60.13	-25	-35.13	-66.74	2.79	9.40	H
	7715	-60.72	-25	-35.72	-68.76	3.42	11.46	H
	10287	-59.36	-25	-34.36	-67.49	4.00	12.13	H
	5140	-62.73	-25	-37.73	-69.34	2.79	9.40	V
	7715	-58.46	-25	-33.46	-66.50	3.42	11.46	V
	10287	-58.75	-25	-33.75	-66.88	4.00	12.13	V
Middle	5170	-60.56	-25	-35.56	-67.17	2.79	9.40	H
	7760	-58.67	-25	-33.67	-66.71	3.42	11.46	H
	10341	-58.78	-25	-33.78	-66.91	4.00	12.13	H
	5170	-61.95	-25	-36.95	-68.56	2.79	9.40	V
	7760	-56.48	-25	-31.48	-64.52	3.42	11.46	V
	10341	-58.50	-25	-33.50	-66.63	4.00	12.13	V
Highest	5200	-59.60	-25	-34.60	-66.21	2.79	9.40	H
	7805	-58.94	-25	-33.94	-66.98	3.42	11.46	H
	10404	-58.38	-25	-33.38	-66.51	4.00	12.13	H
	5200	-61.09	-25	-36.09	-67.70	2.79	9.40	V
	7805	-57.09	-25	-32.09	-65.13	3.42	11.46	V
	10404	-58.16	-25	-33.16	-66.29	4.00	12.13	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)
Lowest	5070	-61.40	-25	-36.40	-68.01	2.79	9.40	H
	7610	-59.83	-25	-34.83	-67.87	3.42	11.46	H
	10143	-59.52	-25	-34.52	-67.65	4.00	12.13	H
	5072	-63.47	-25	-38.47	-70.08	2.79	9.40	V
	7610	-58.96	-25	-33.96	-67.00	3.42	11.46	V
	10143	-59.11	-25	-34.11	-67.24	4.00	12.13	V
Middle	5170	-60.20	-25	-35.20	-66.81	2.79	9.40	H
	7750	-59.50	-25	-34.50	-67.54	3.42	11.46	H
	10332	-59.00	-25	-34.00	-67.13	4.00	12.13	H
	5170	-61.65	-25	-36.65	-68.26	2.79	9.40	V
	7750	-56.61	-25	-31.61	-64.65	3.42	11.46	V
	10332	-58.86	-25	-33.86	-66.99	4.00	12.13	V
Highest	5270	-61.73	-25	-36.73	-68.34	2.79	9.40	H
	7910	-57.15	-25	-32.15	-65.19	3.42	11.46	H
	10548	-58.32	-25	-33.32	-66.45	4.00	12.13	H
	5270	-62.36	-25	-37.36	-68.97	2.79	9.40	V
	7910	-57.80	-25	-32.80	-65.84	3.42	11.46	V
	10548	-57.98	-25	-32.98	-66.11	4.00	12.13	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 FG070302-01B which is issued separately.