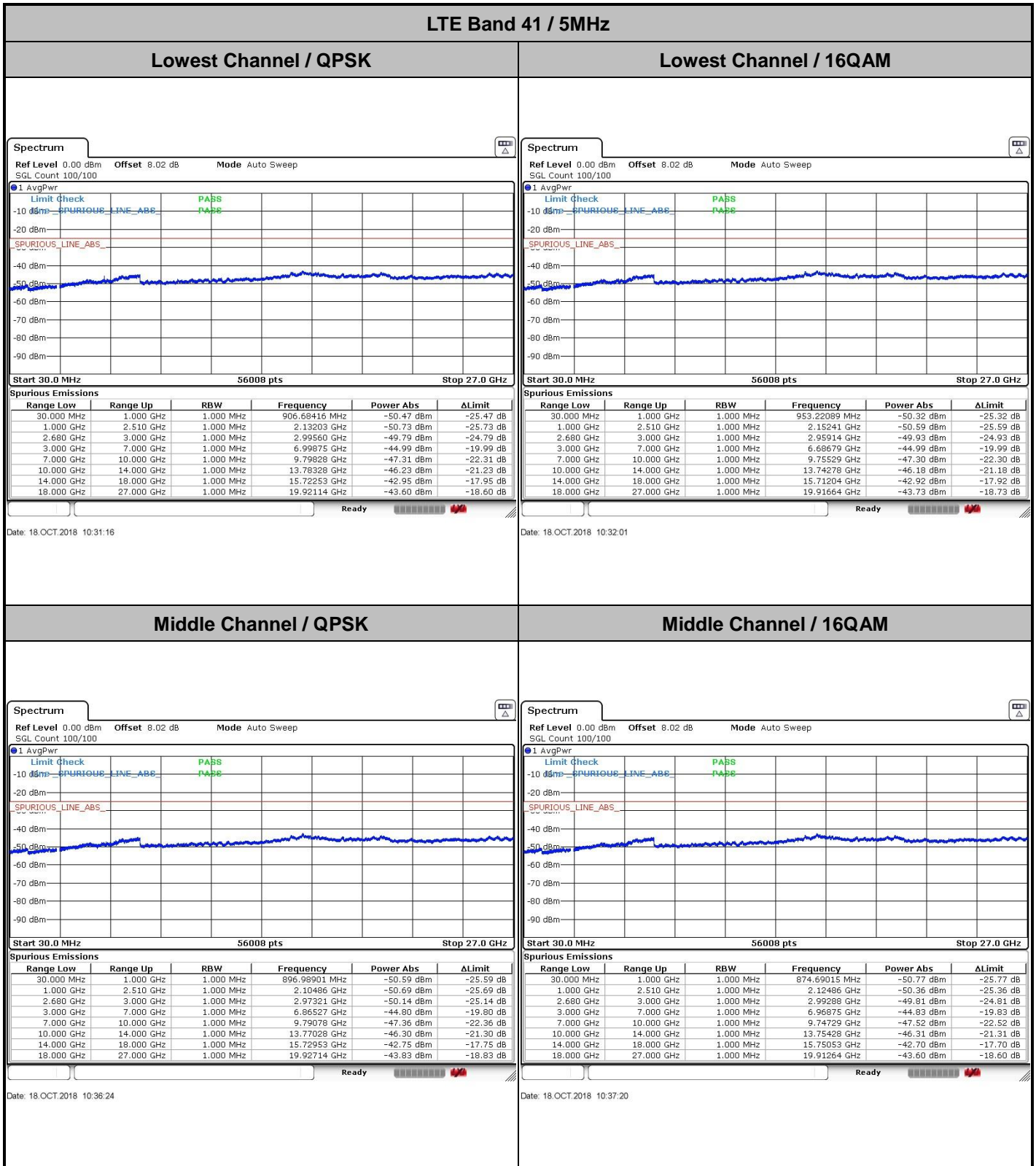




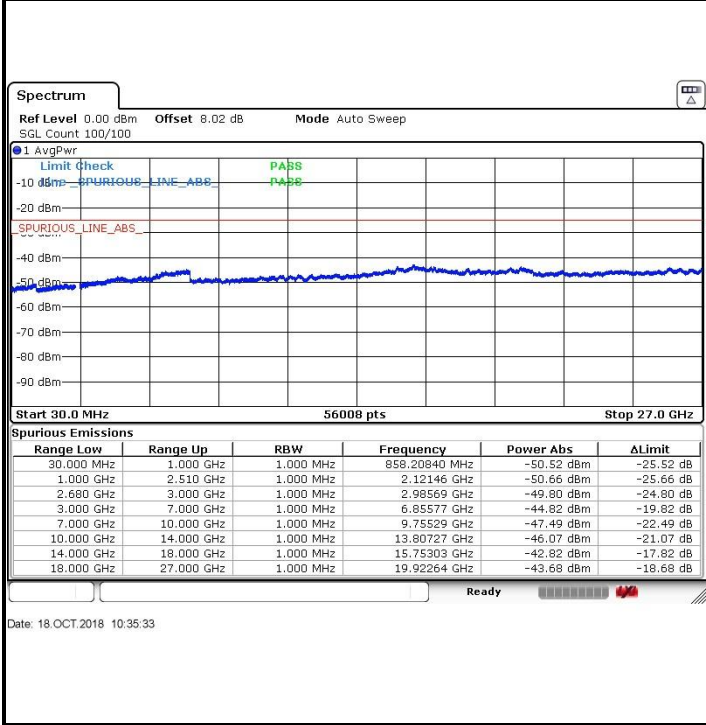
# Conducted Spurious Emission



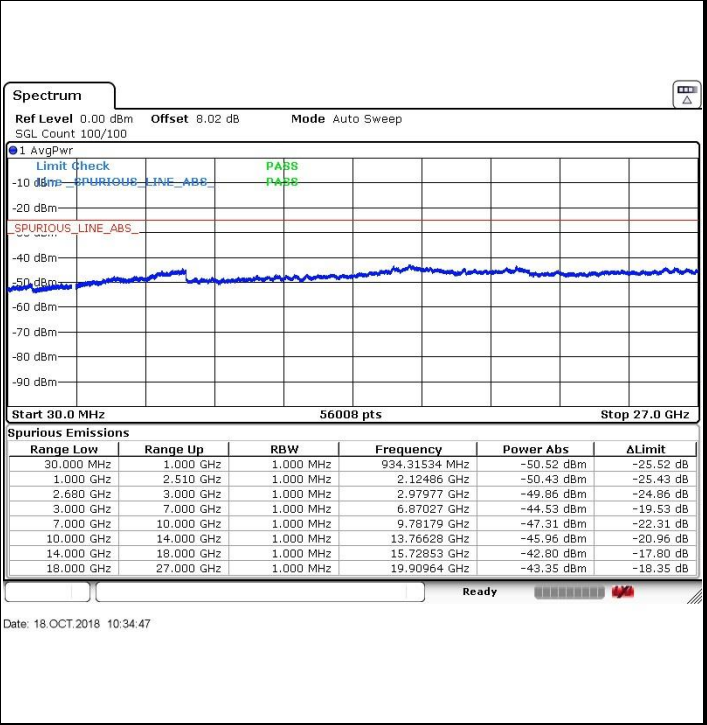


LTE Band 41 / 5MHz

Highest Channel / QPSK

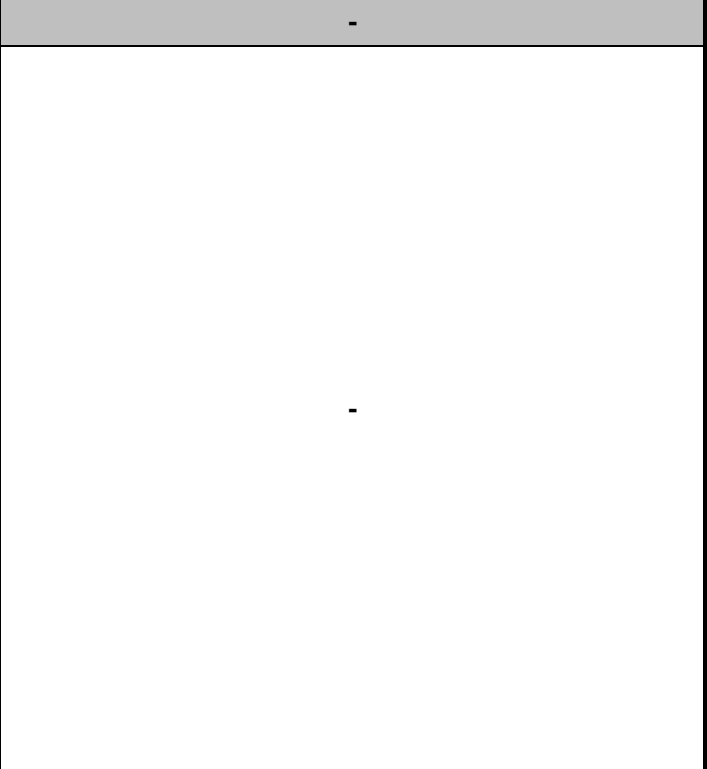
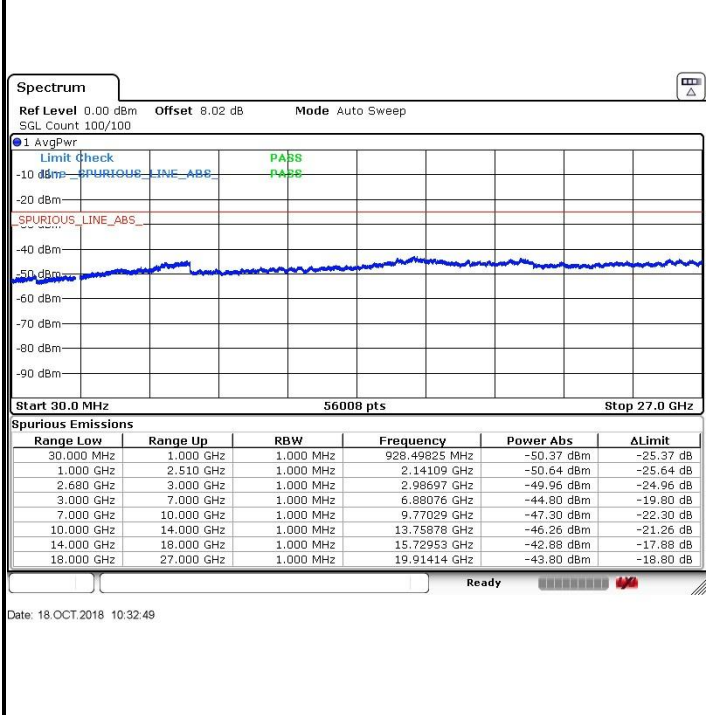


Highest Channel / 16QAM



LTE Band 41 / 5MHz

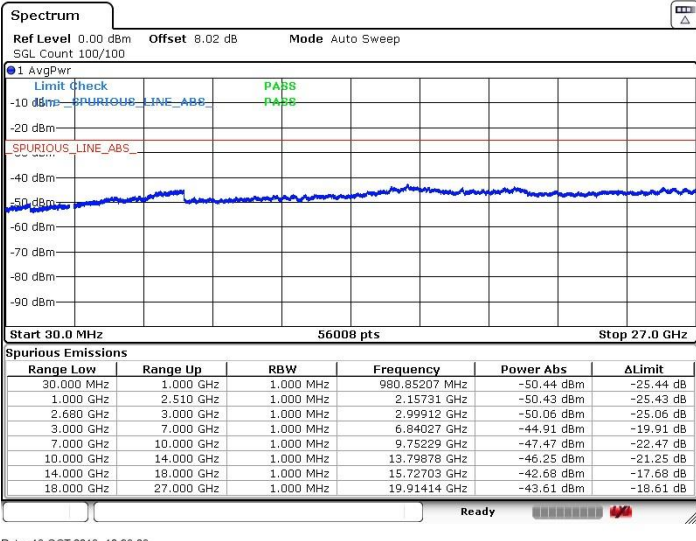
Lowest Channel / 64QAM





Middle Channel / 64QAM

-

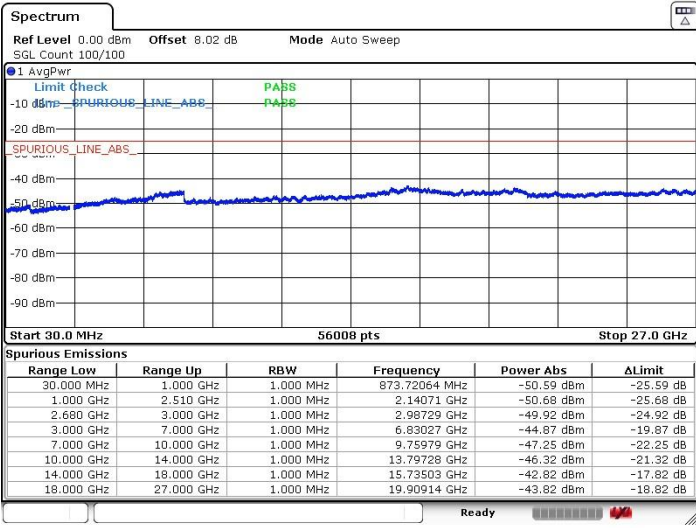


Date: 18.OCT.2018 10:38:08

LTE Band 41 / 5MHz

Highest Channel / 64QAM

-

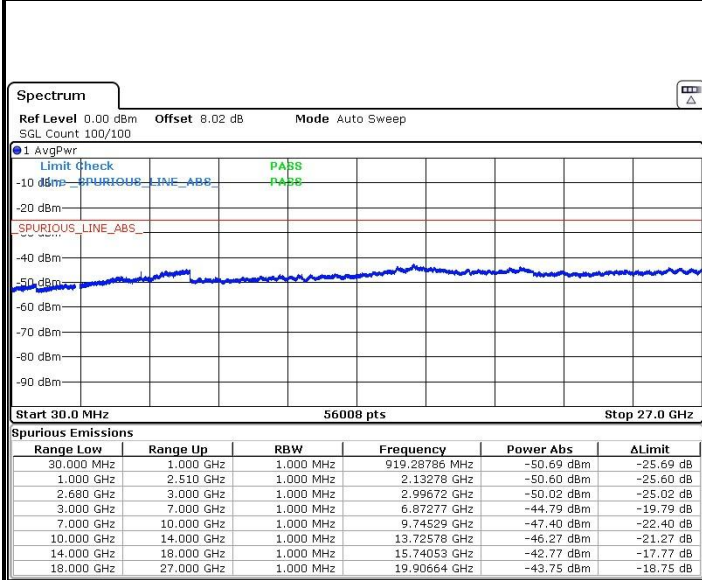


Date: 18.OCT.2018 10:33:52



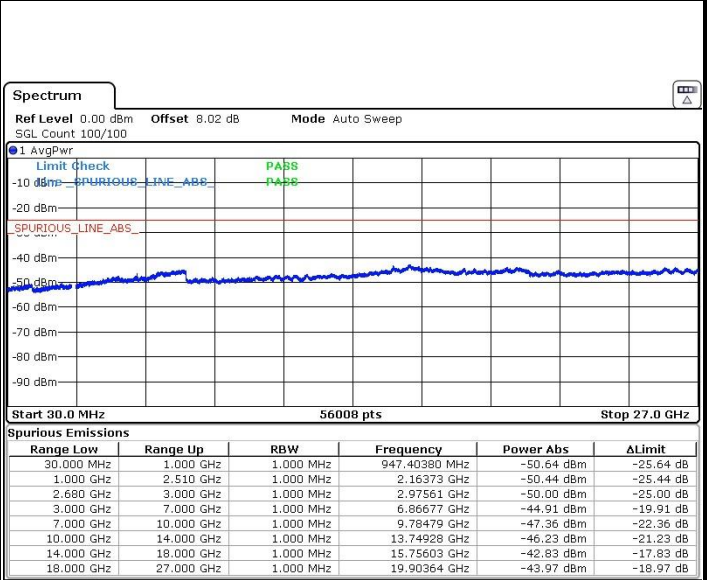
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 18.OCT.2018 10:39:13

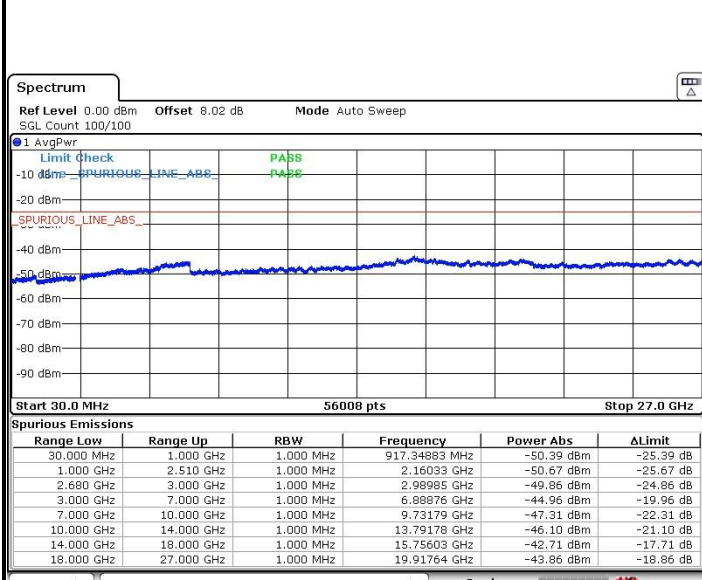
Lowest Channel / 16QAM



Date: 18.OCT.2018 10:40:22

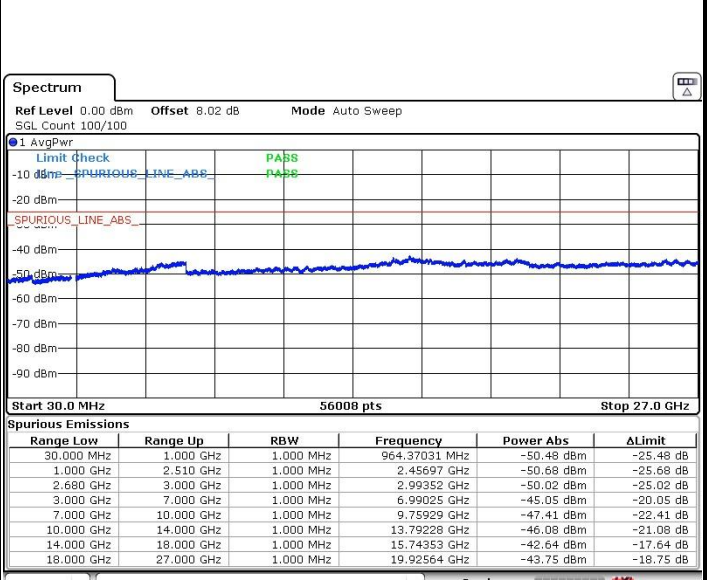
LTE Band 41 / 10MHz

Middle Channel / QPSK



Date: 18.OCT.2018 10:44:05

Middle Channel / 16QAM

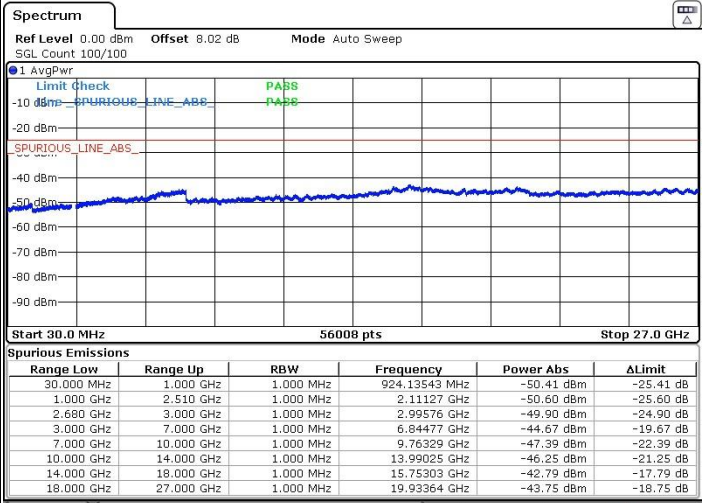
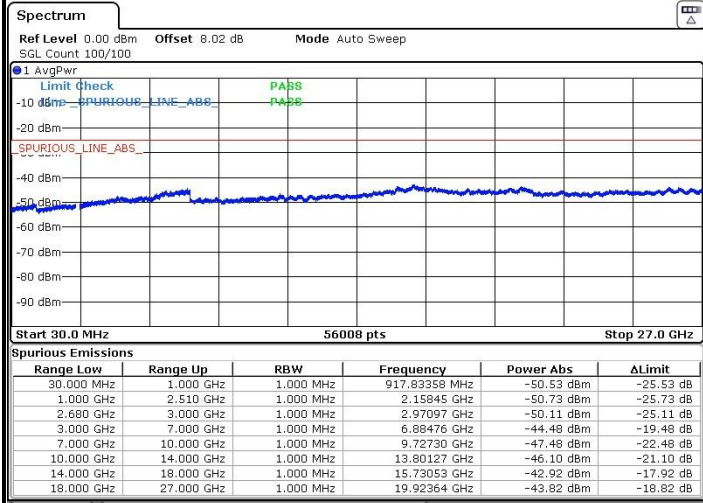


Date: 18.OCT.2018 10:43:18



Highest Channel / QPSK

Highest Channel / 16QAM



Ready [Progress Bar] [Signal Icon]

Ready [Progress Bar] [Signal Icon]

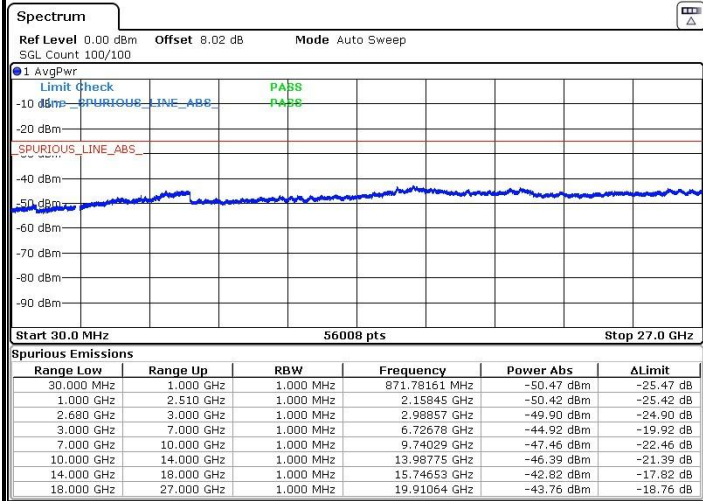
Date: 18.OCT.2018 10:44:56

Date: 18.OCT.2018 10:45:50

LTE Band 41 / 10MHz

Lowest Channel / 64QAM

-



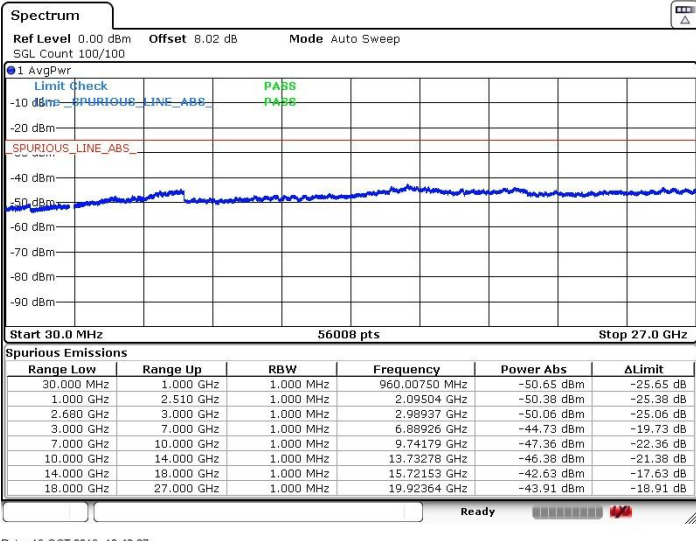
Ready [Progress Bar] [Signal Icon]

Date: 18.OCT.2018 10:41:36



Middle Channel / 64QAM

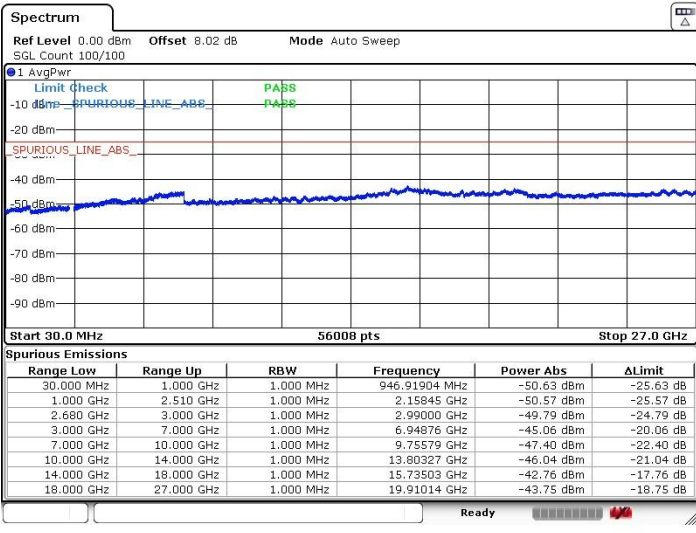
-



Date: 18.OCT.2018 10:42:27

Highest Channel / 64QAM

-



Date: 18.OCT.2018 10:46:36

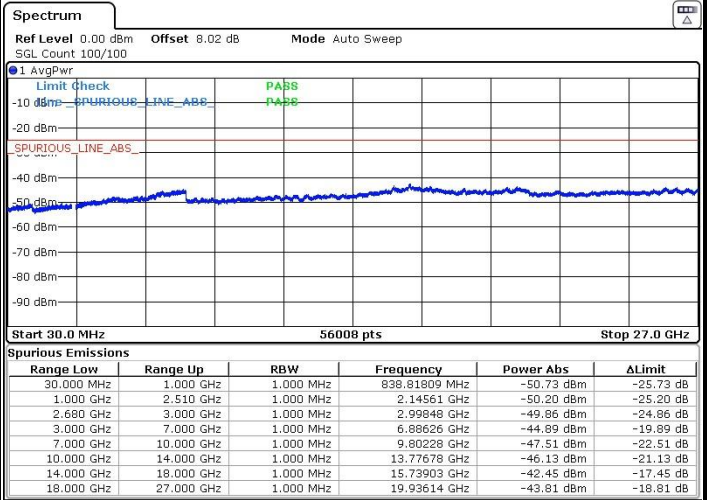
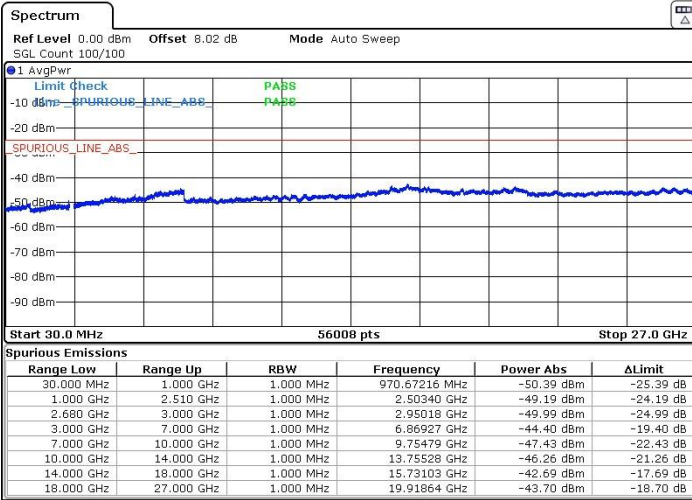




LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

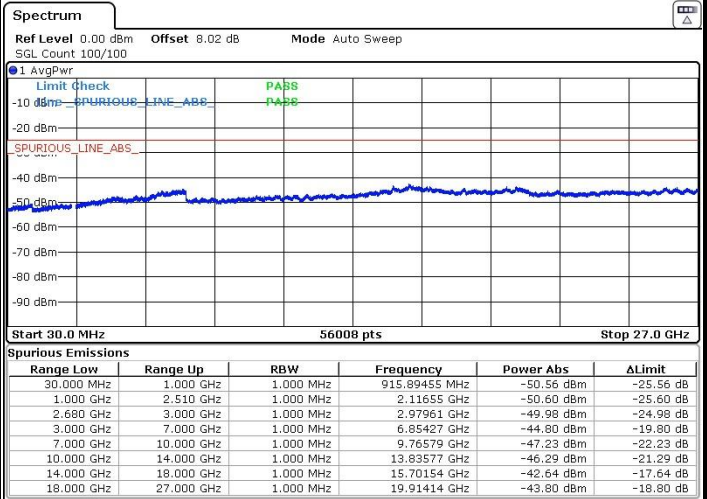
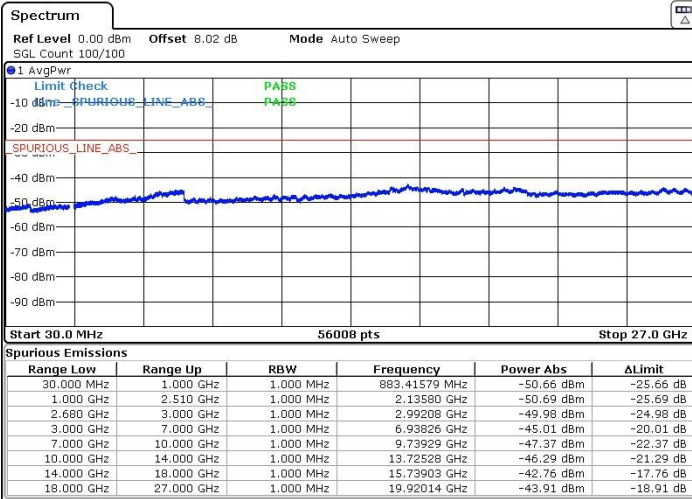


Date: 18.OCT.2018 10:47:40

Date: 18.OCT.2018 10:48:29

Middle Channel / QPSK

Middle Channel / 16QAM



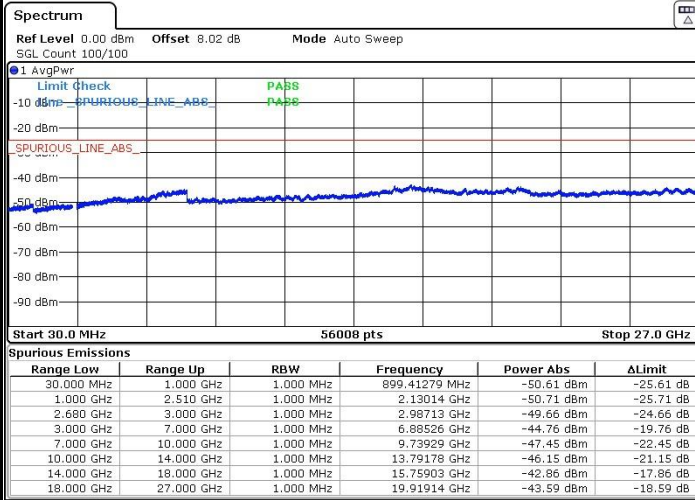
Date: 18.OCT.2018 10:58:49

Date: 18.OCT.2018 10:58:02



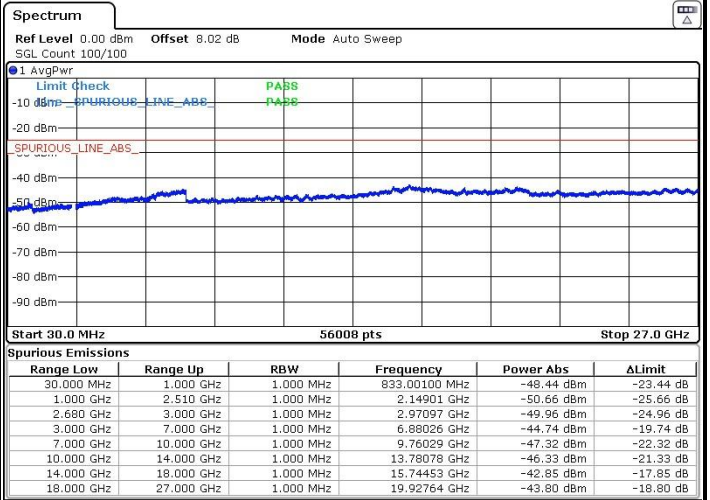
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 18.OCT.2018 10:57:46

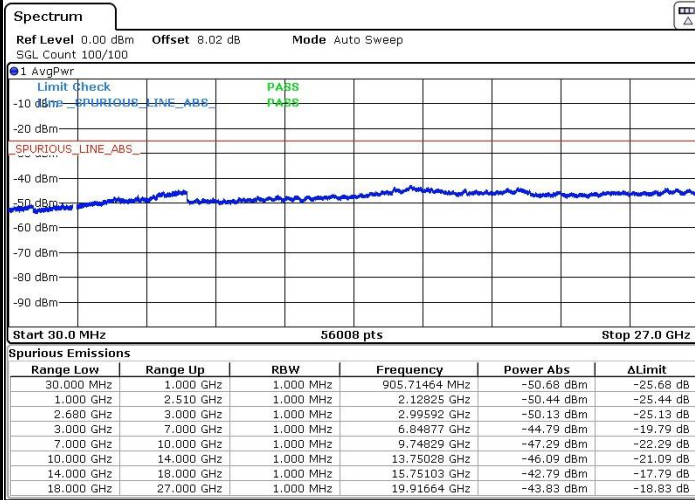
Highest Channel / 16QAM



Date: 18.OCT.2018 10:58:36

LTE Band 41 / 15MHz

Lowest Channel / 64QAM



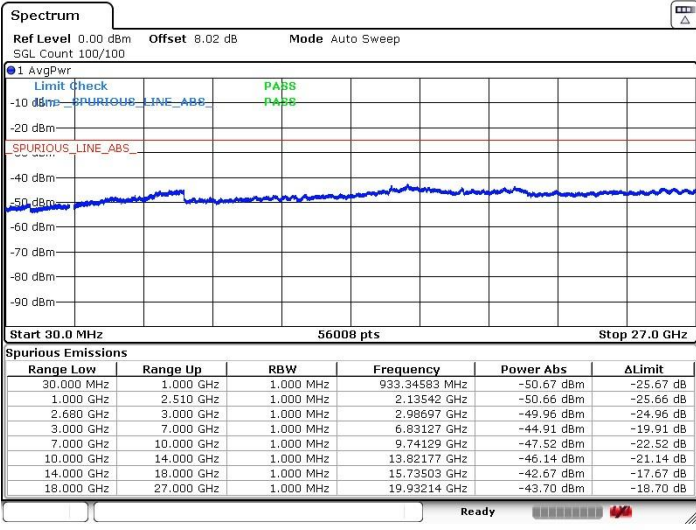
Date: 18.OCT.2018 10:50:07





Middle Channel / 64QAM

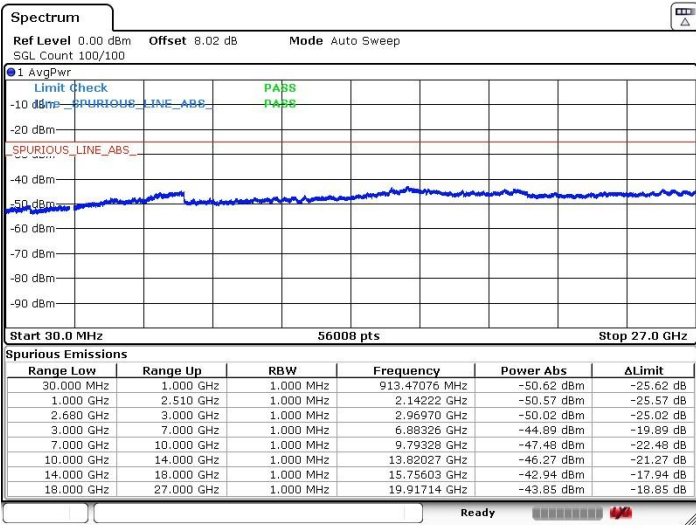
-



Date: 18.OCT.2018 10:50:57

Highest Channel / 64QAM

-

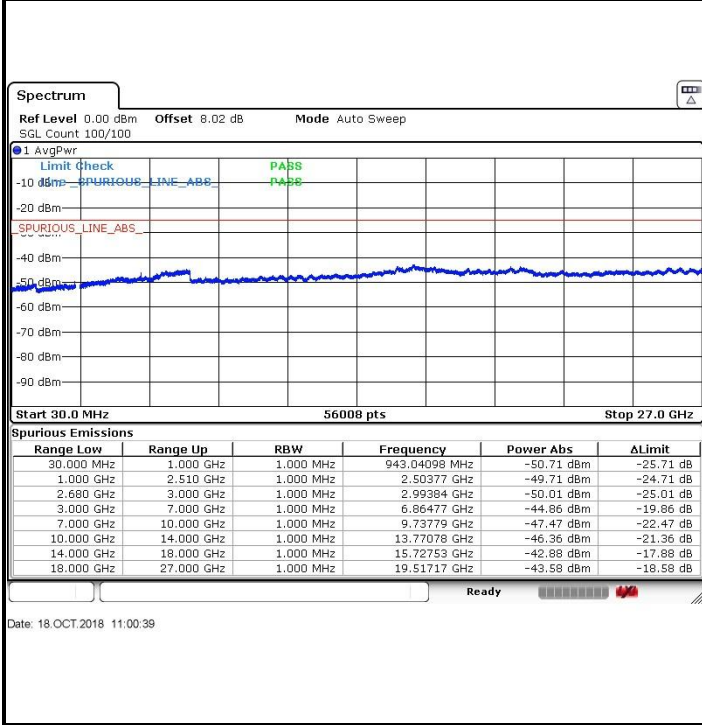


Date: 18.OCT.2018 10:59:26

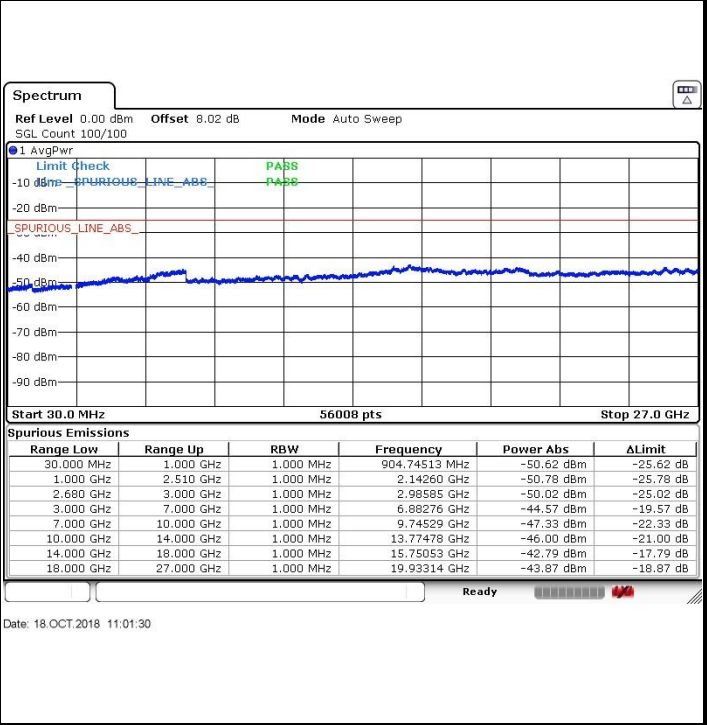


LTE Band 41 / 20MHz

Lowest Channel / QPSK

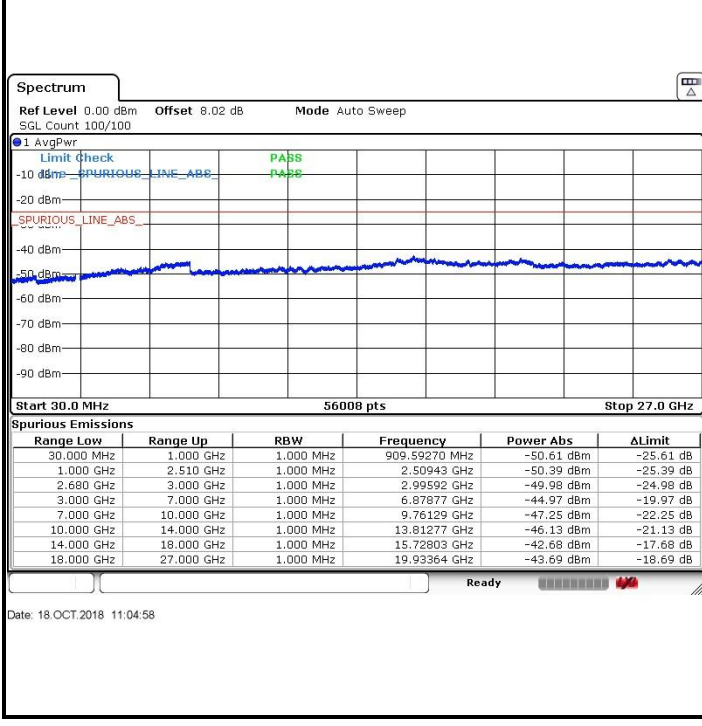


Lowest Channel / 16QAM

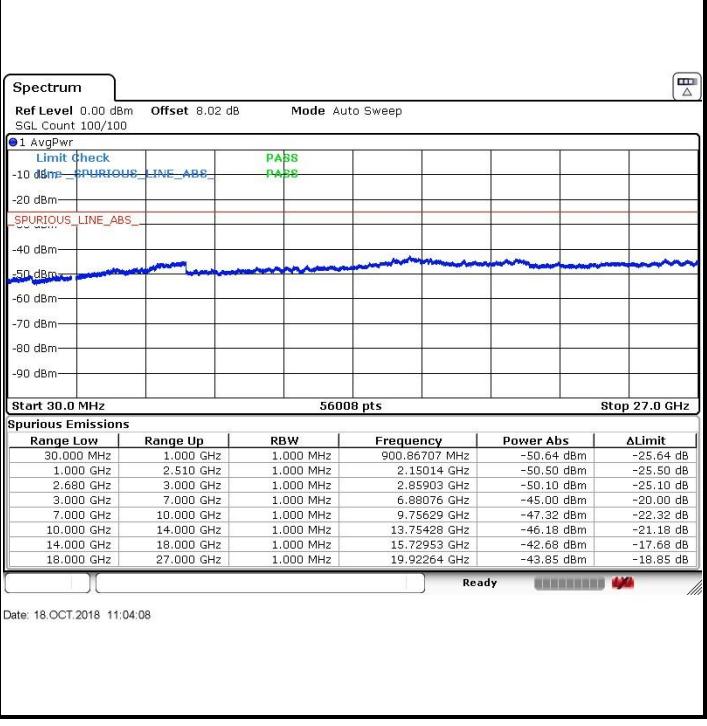


LTE Band 41 / 20MHz

Middle Channel / QPSK



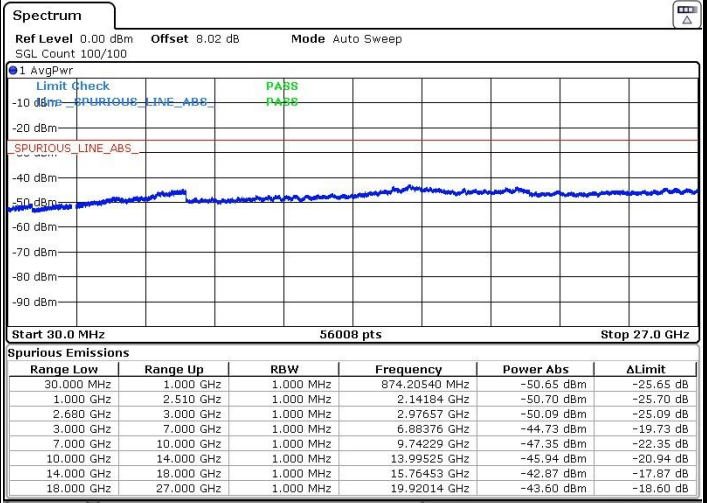
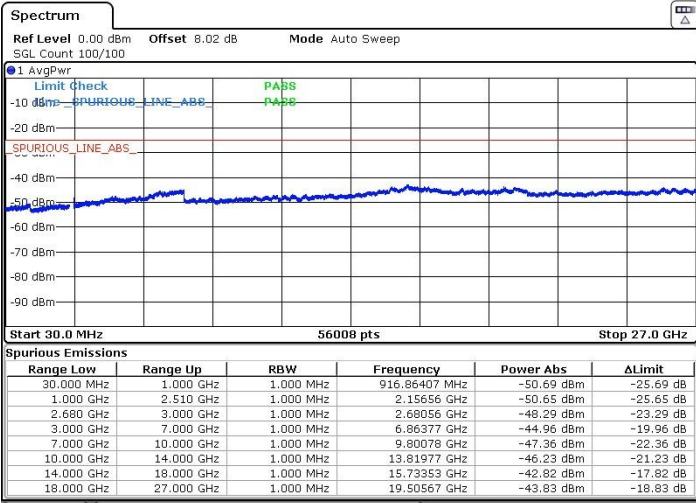
Middle Channel / 16QAM





Highest Channel / QPSK

Highest Channel / 16QAM



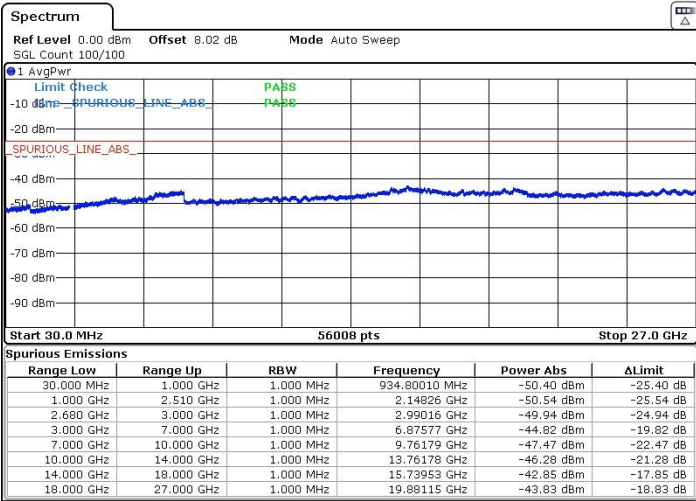
Date: 18.OCT.2018 11:05:48

Date: 18.OCT.2018 11:06:41

LTE Band 41 / 20MHz

Lowest Channel / 64QAM

-

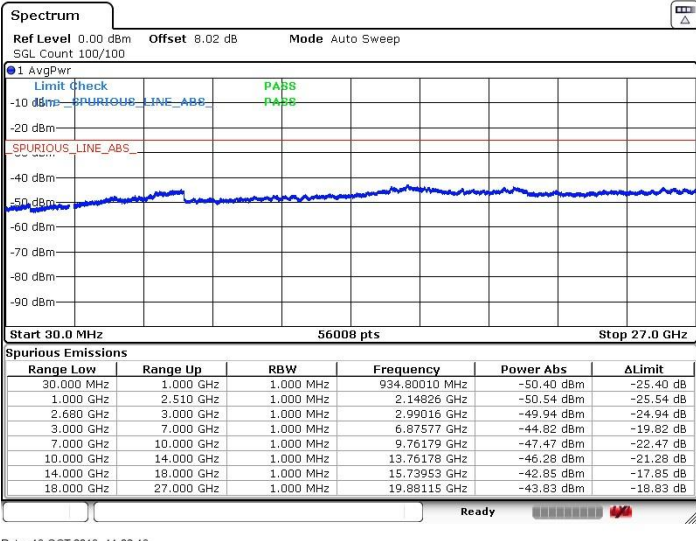


Date: 18.OCT.2018 11:02:18



Middle Channel / 64QAM

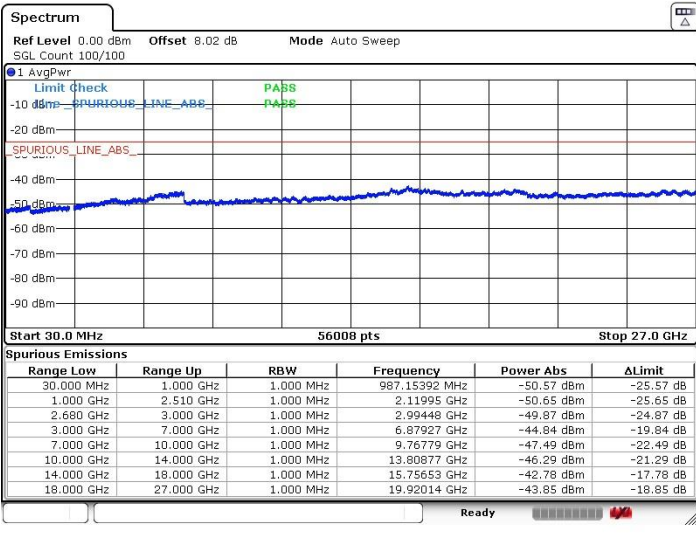
-



Date: 18.OCT.2018 11:02:18

Highest Channel / 64QAM

-



Date: 18.OCT.2018 11:07:51



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	0.0006	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.2V. ; Maximum Voltage =4.4V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

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	-58.12	-25	-33.12	-66.15	2.18	10.21	H
	7752	-46.86	-25	-21.86	-56.17	2.69	12.00	H
	10336	-36.03	-25	-11.03	-45.74	3.19	12.90	H
	5168	-60.78	-25	-35.78	-68.81	2.18	10.21	V
	7752	-52.12	-25	-27.12	-61.43	2.69	12.00	V
	10336	-40.95	-25	-15.95	-50.66	3.19	12.90	V





## **Appendix D. Reference Report**

Please refer to Sporton Report Number FG890510-01B which is issued separately.