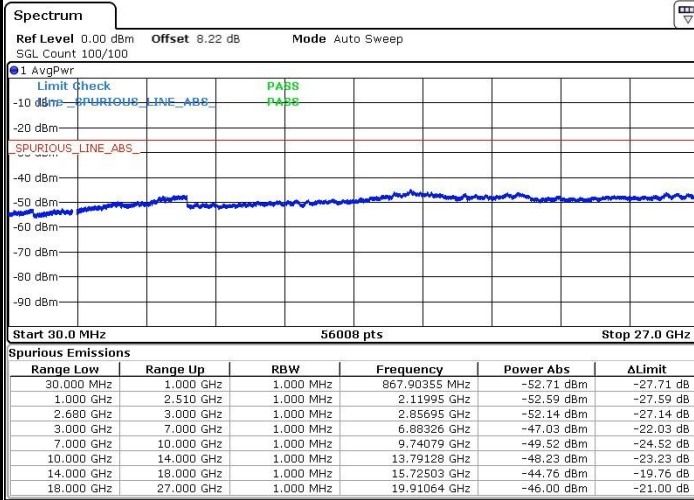




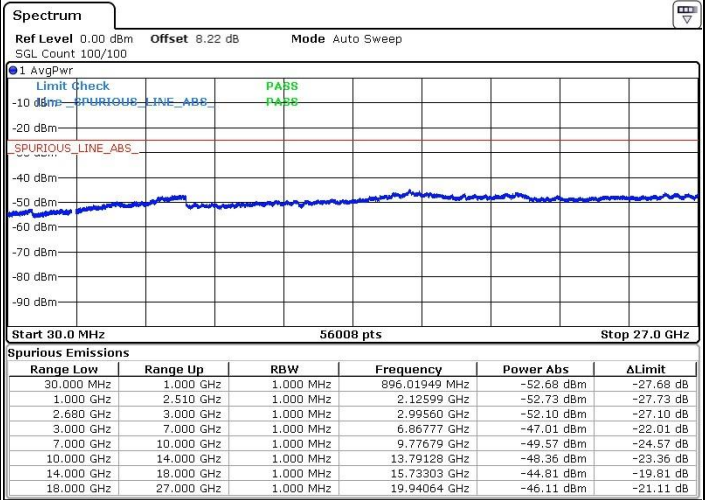
## LTE Band 41 / 5MHz

## Highest Channel / QPSK



Date: 24 JUN 2019 16:50:17

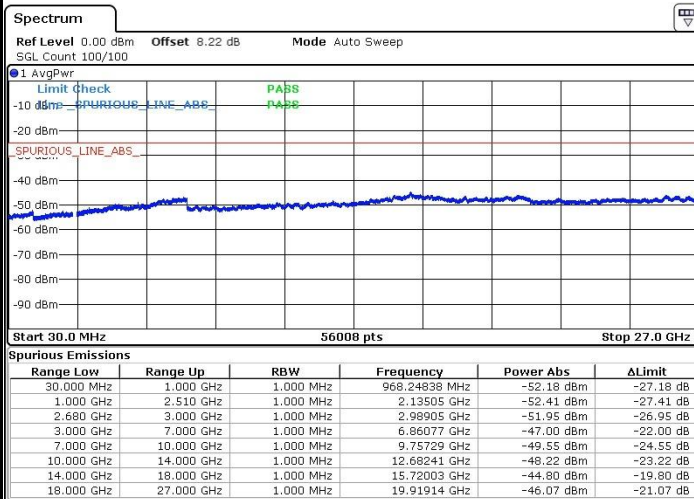
## Highest Channel / 16QAM



Date: 24 JUN 2019 16:49:25

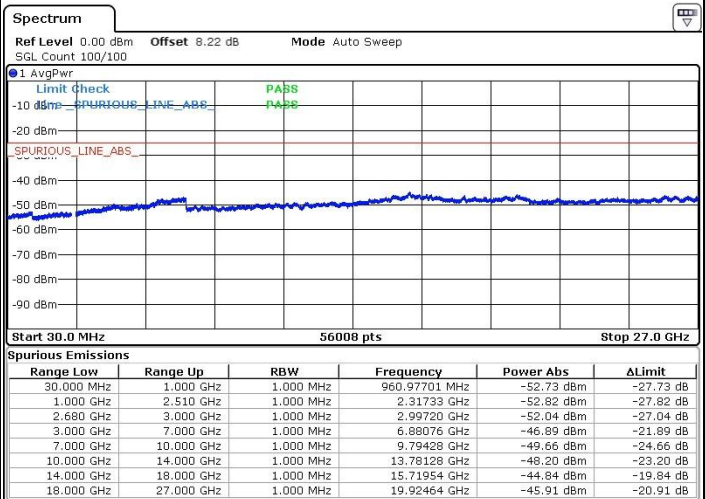
## LTE Band 41 / 10MHz

## Lowest Channel / QPSK



Date: 24 JUN 2019 18:43:20

## Lowest Channel / 16QAM

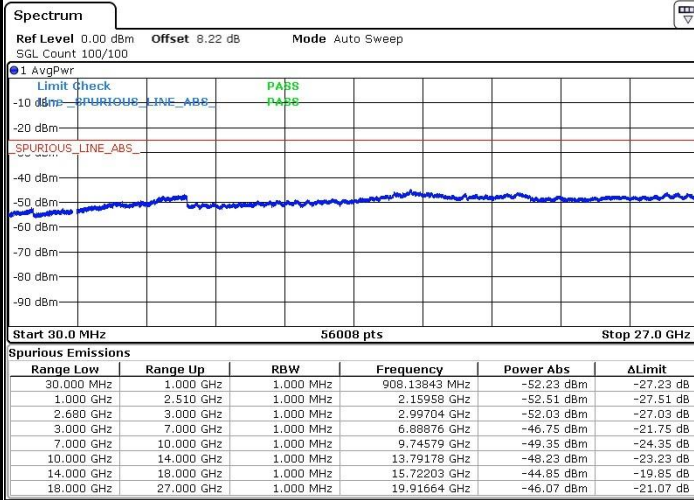


Date: 24 JUN 2019 18:42:21



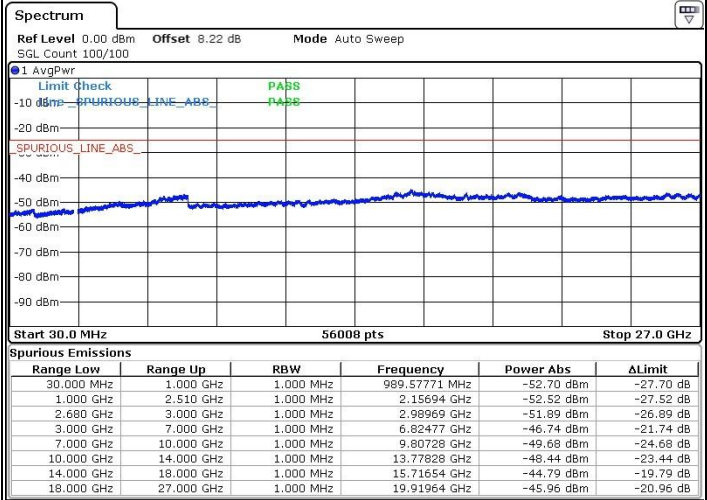
## LTE Band 41 / 10MHz

## Middle Channel / QPSK



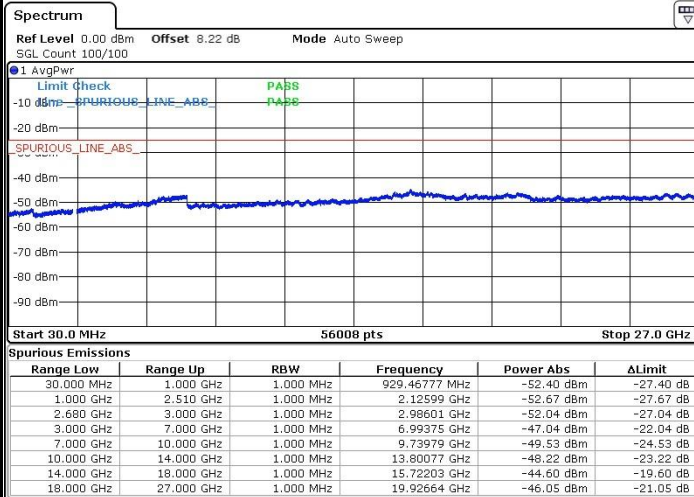
Date: 24 JUN 2019 17:35:25

## Middle Channel / 16QAM



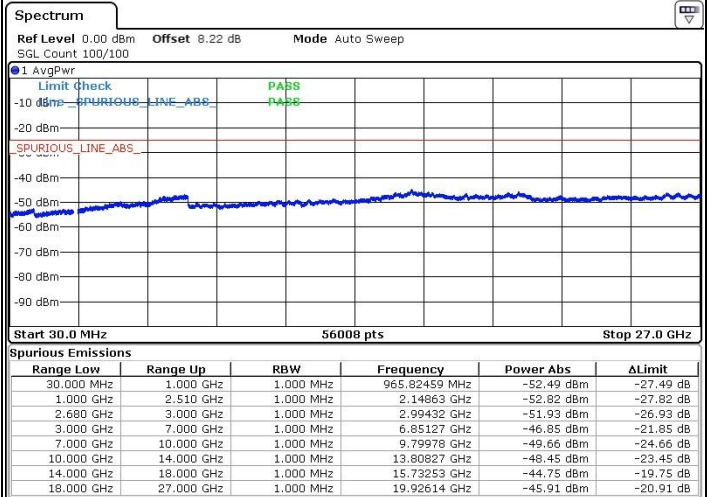
Date: 24 JUN 2019 17:36:34

## Highest Channel / QPSK



Date: 24 JUN 2019 18:44:15

## Highest Channel / 16QAM

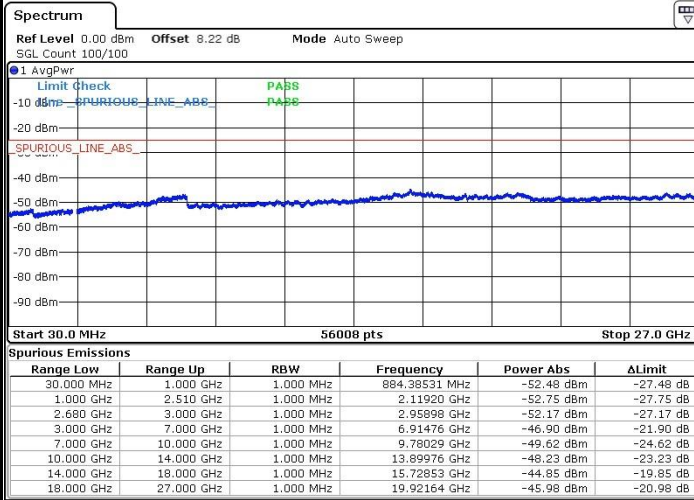


Date: 24 JUN 2019 18:45:19



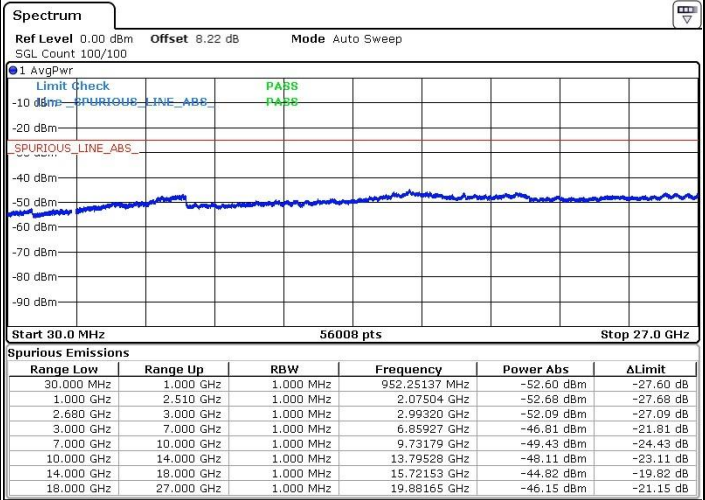
## LTE Band 41 / 15MHz

## Lowest Channel / QPSK



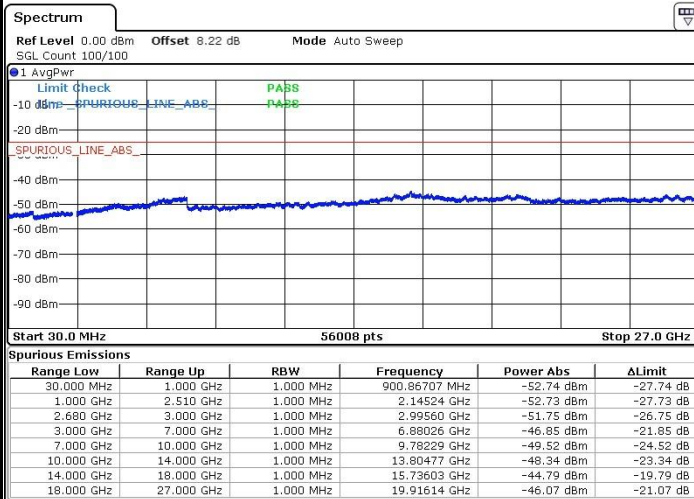
Date: 24 JUN 2019 17:57:14

## Lowest Channel / 16QAM



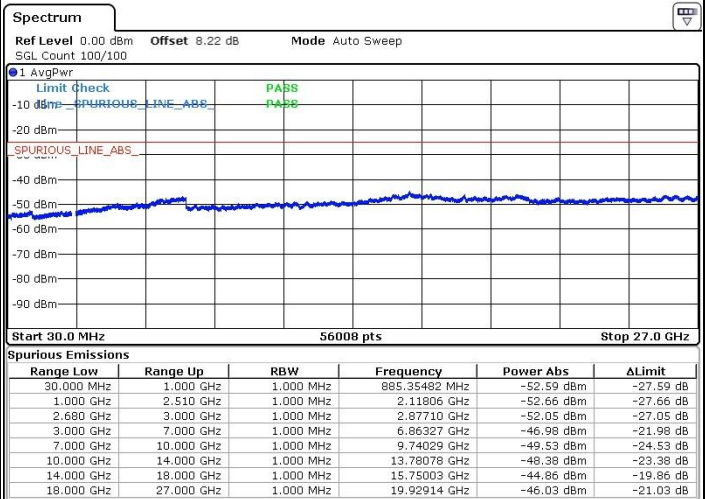
Date: 24 JUN 2019 17:56:18

## Middle Channel / QPSK



Date: 24 JUN 2019 17:40:26

## Middle Channel / 16QAM

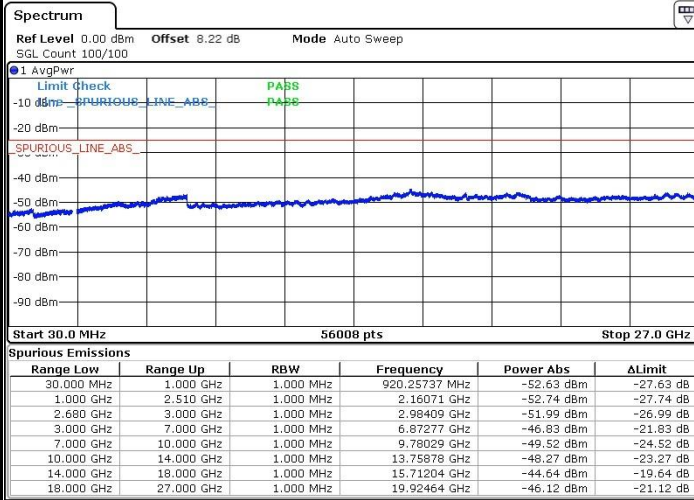


Date: 24 JUN 2019 17:39:30



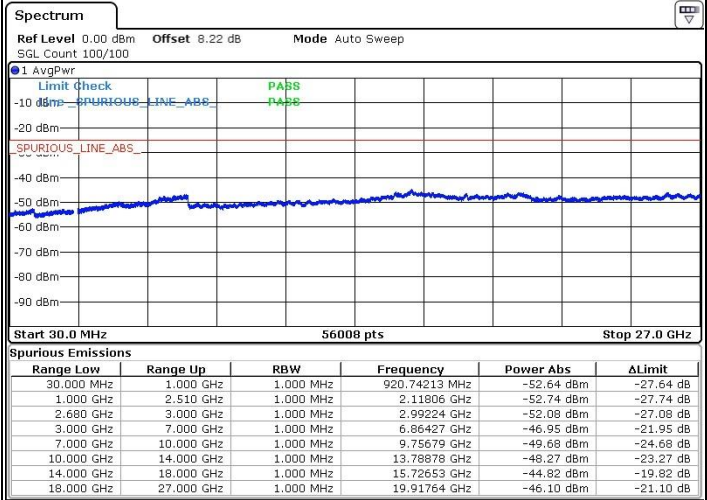
## LTE Band 41 / 15MHz

## Highest Channel / QPSK



Date: 24 JUN 2019 17:58:25

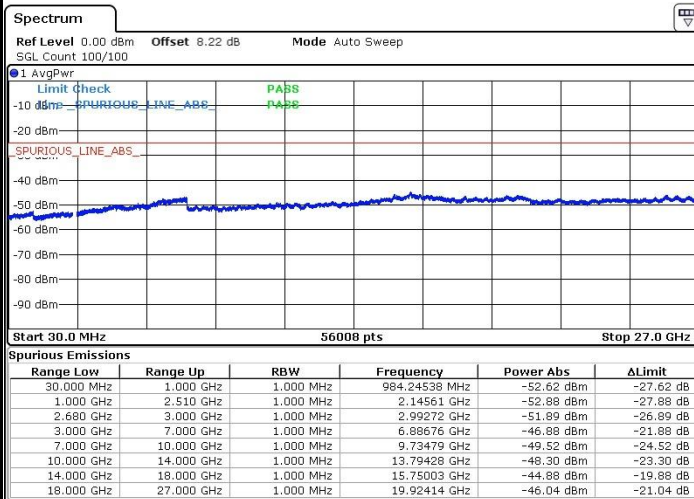
## Highest Channel / 16QAM



Date: 24 JUN 2019 18:00:08

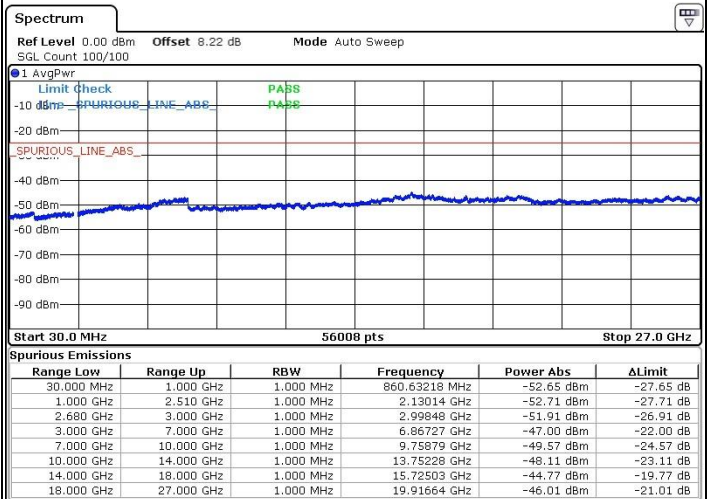
## LTE Band 41 / 20MHz

## Lowest Channel / QPSK



Date: 24 JUN 2019 17:48:52

## Lowest Channel / 16QAM

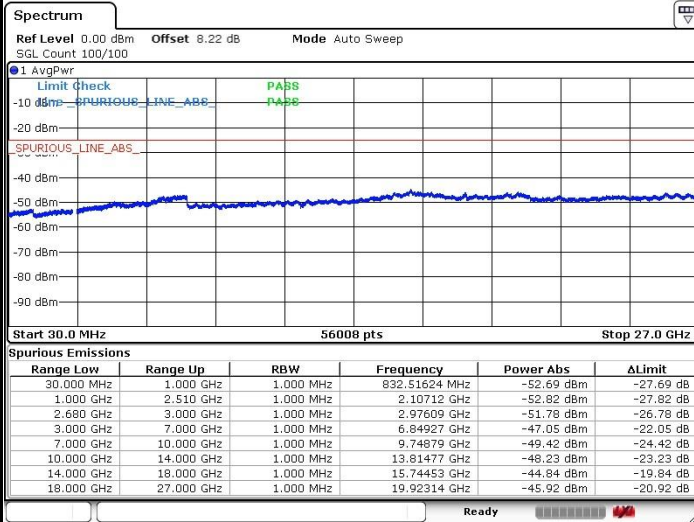


Date: 24 JUN 2019 17:51:06



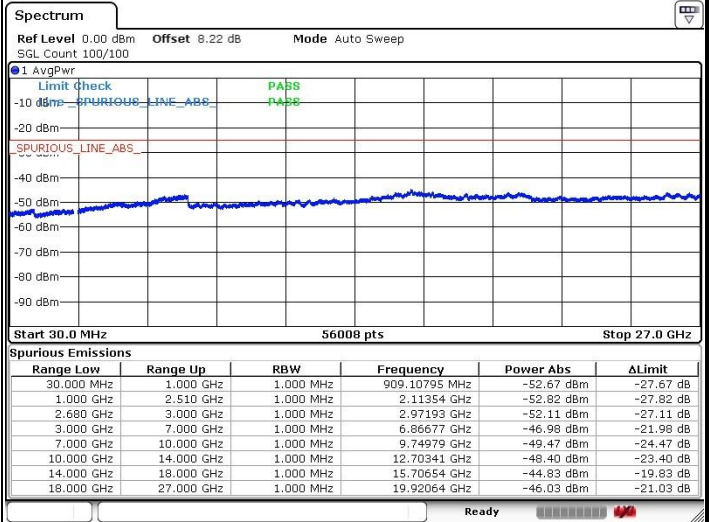
## LTE Band 41 / 20MHz

## Middle Channel / QPSK



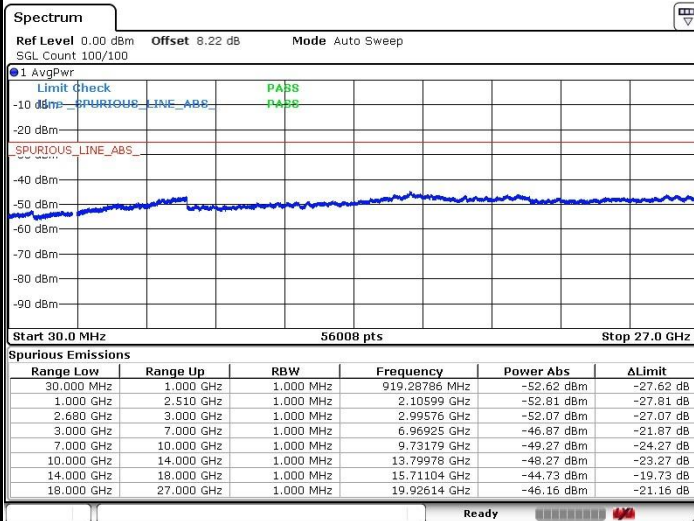
Date: 24 JUN 2019 17:42:08

## Middle Channel / 16QAM



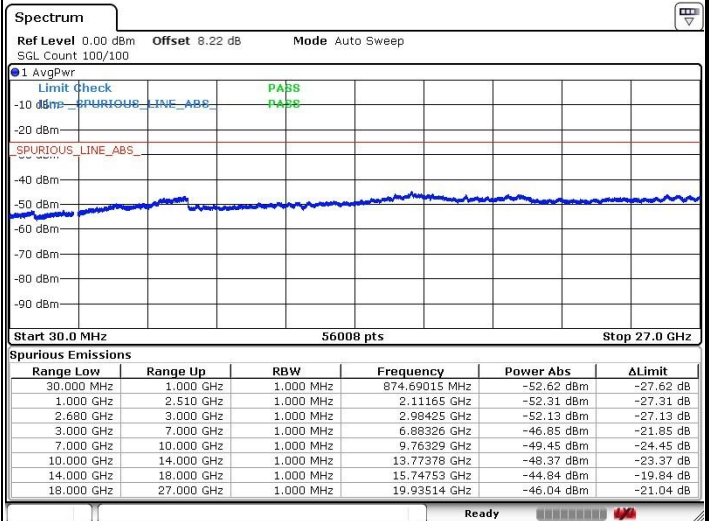
Date: 24 JUN 2019 17:43:06

## Highest Channel / QPSK



Date: 24 JUN 2019 17:47:33

## Highest Channel / 16QAM

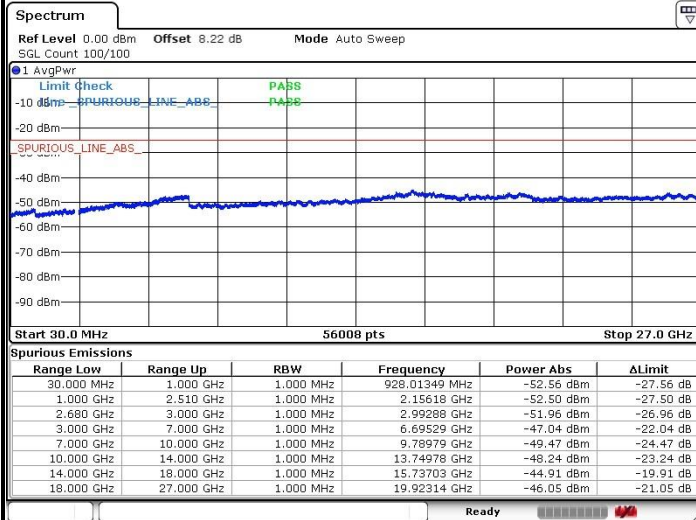


Date: 24 JUN 2019 17:46:31



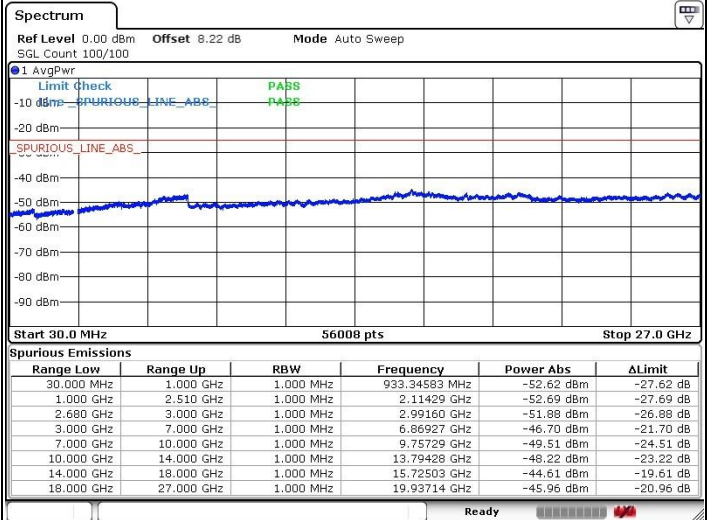
## LTE Band 41 / 5MHz

## Lowest Channel / 64QAM



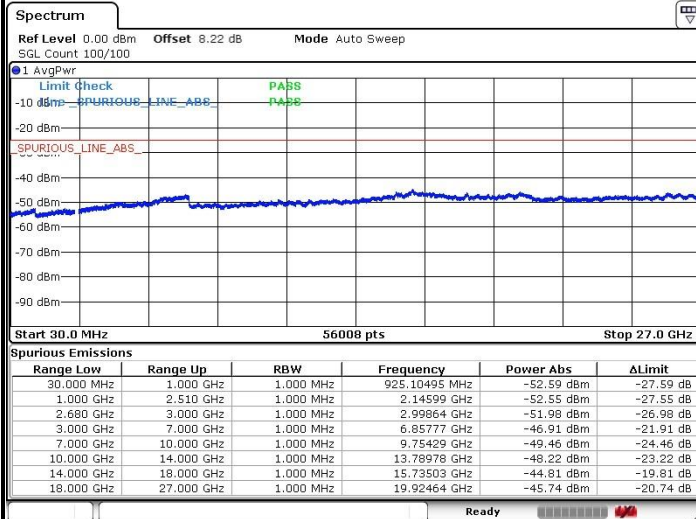
Date: 24 JUN 2019 16:41:16

## Middle Channel / 64QAM



Date: 24 JUN 2019 16:46:54

## Highest Channel / 64QAM



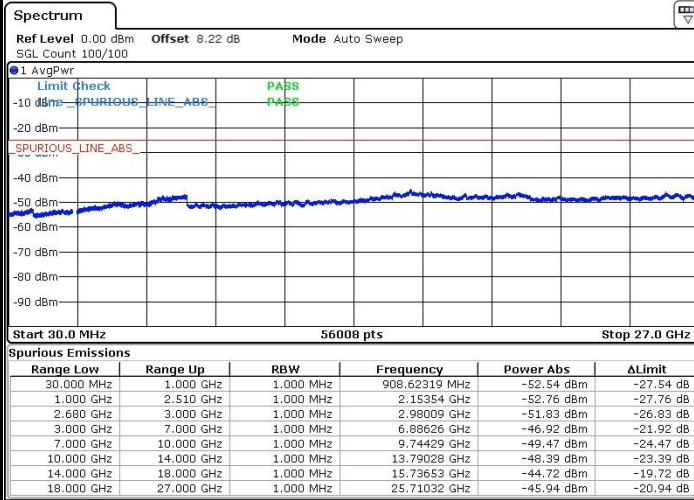
Date: 24 JUN 2019 16:48:12





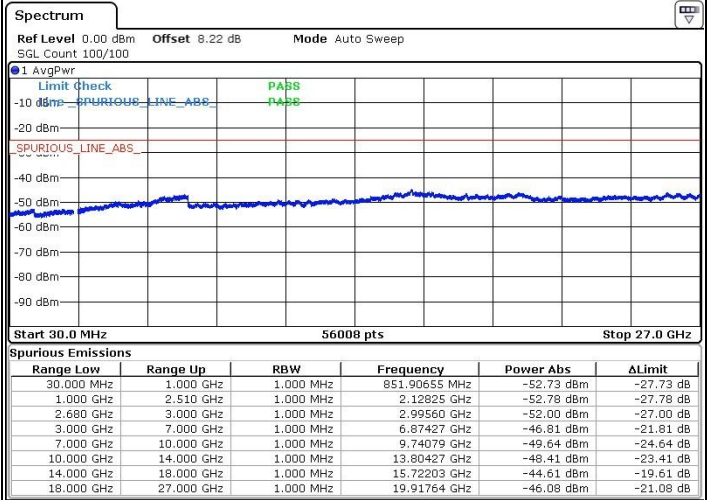
## LTE Band 41 / 10MHz

## Lowest Channel / 64QAM



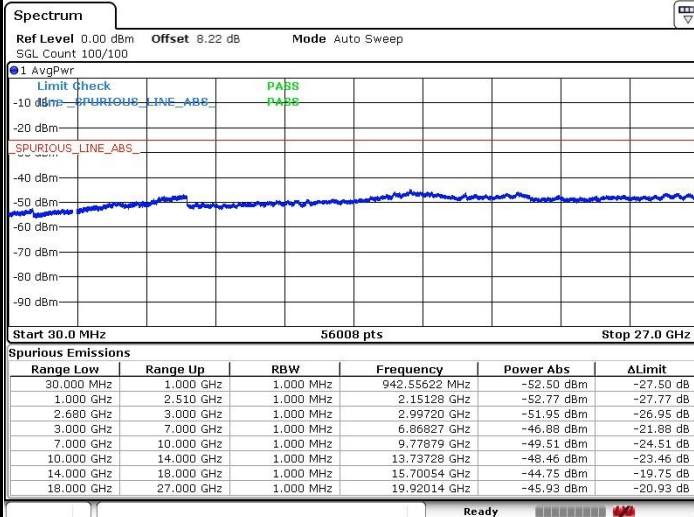
Date: 24 JUN 2019 18:02:53

## Middle Channel / 64QAM



Date: 24 JUN 2019 17:37:32

## Highest Channel / 64QAM

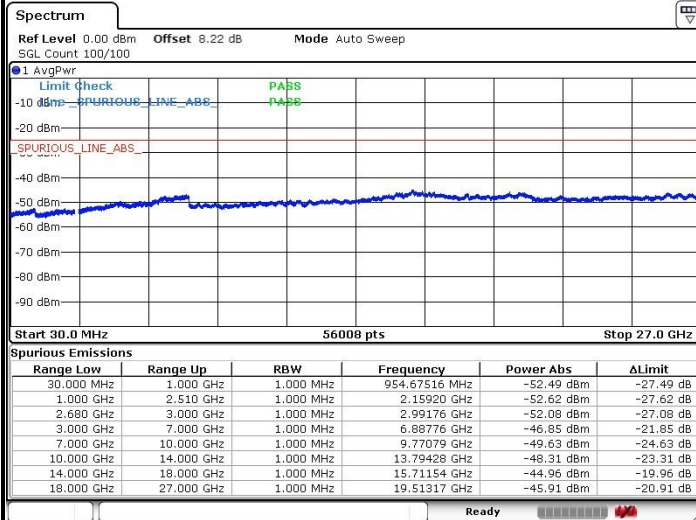


Date: 24 JUN 2019 18:46:18



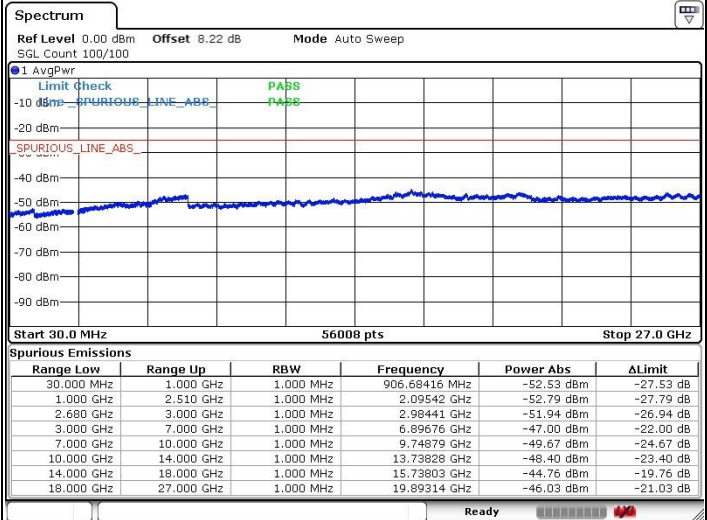
## LTE Band 41 / 15MHz

## Lowest Channel / 64QAM



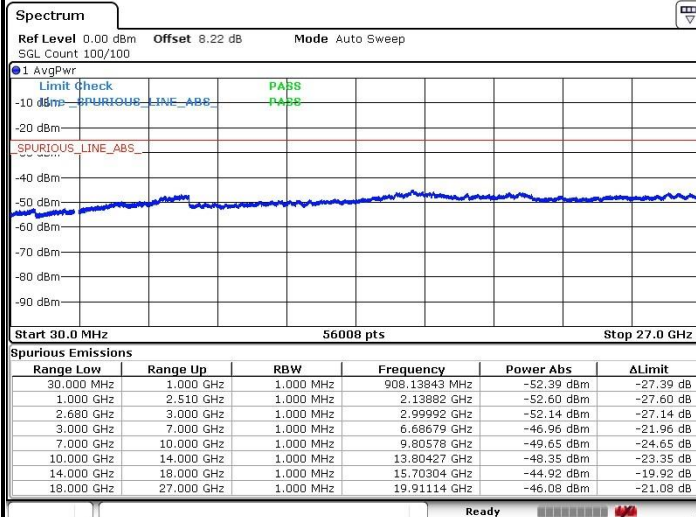
Date: 24 JUN 2019 17:53:53

## Middle Channel / 64QAM



Date: 24 JUN 2019 17:38:33

## Highest Channel / 64QAM



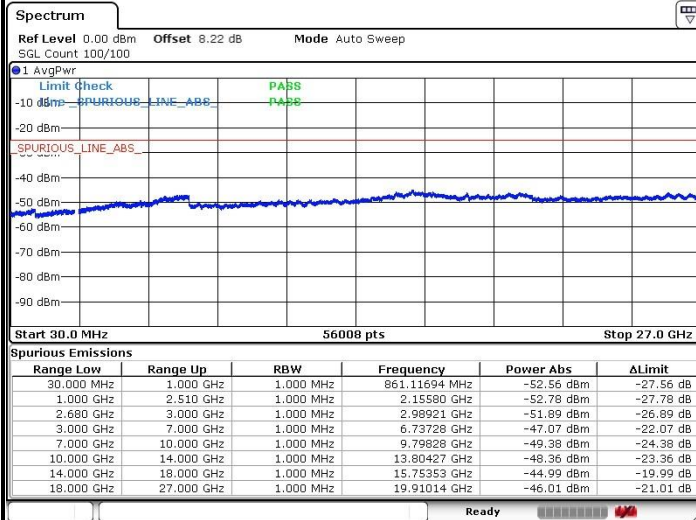
Date: 24 JUN 2019 18:01:07





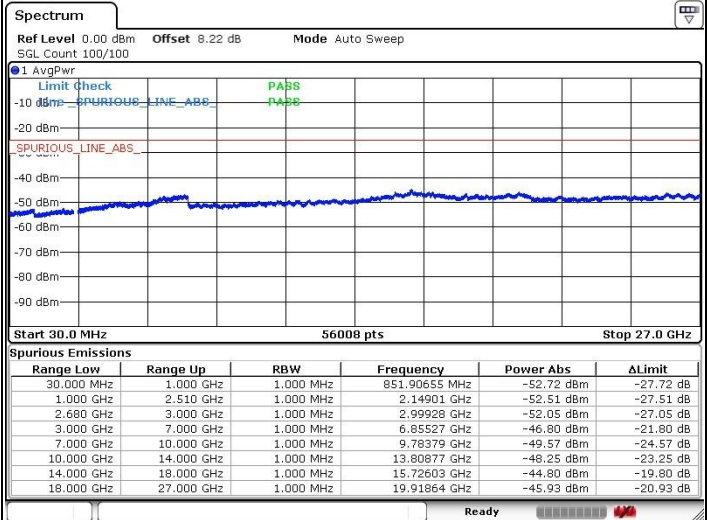
## LTE Band 41 / 20MHz

## Lowest Channel / 64QAM



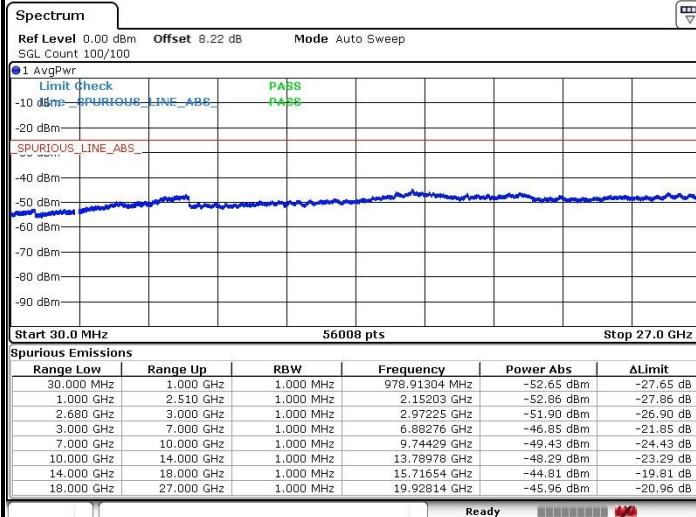
Date: 24 JUN 2019 17:51:58

## Middle Channel / 64QAM



Date: 24 JUN 2019 17:44:03

## Highest Channel / 64QAM



Date: 24 JUN 2019 17:45:13

**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	0.0004	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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 41 / 5MHz / 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	5172	-62.76	-25	-37.76	-72.97	3.03	13.24	H
	7760	-57.30	-25	-32.30	-66.75	3.56	13.01	H
	10340	-58.33	-25	-33.33	-67.85	3.92	13.44	H
	5172	-64.33	-25	-39.33	-74.54	3.03	13.24	V
	7760	-51.77	-25	-26.77	-61.22	3.56	13.01	V
	10340	-58.65	-25	-33.65	-68.17	3.92	13.44	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 FG952704B which is issued separately.