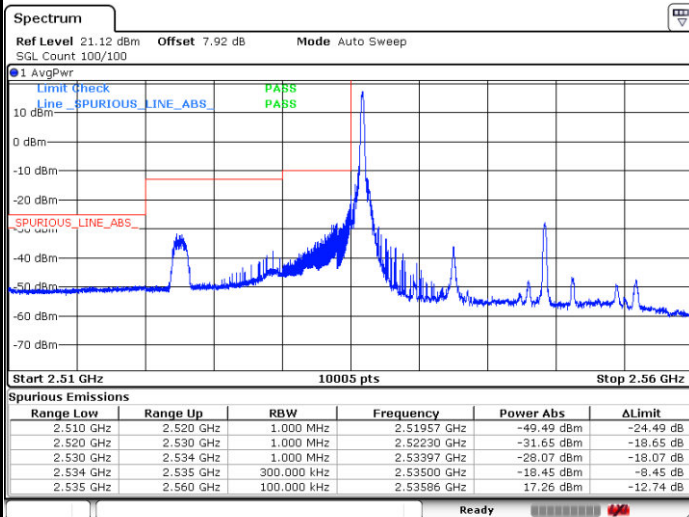




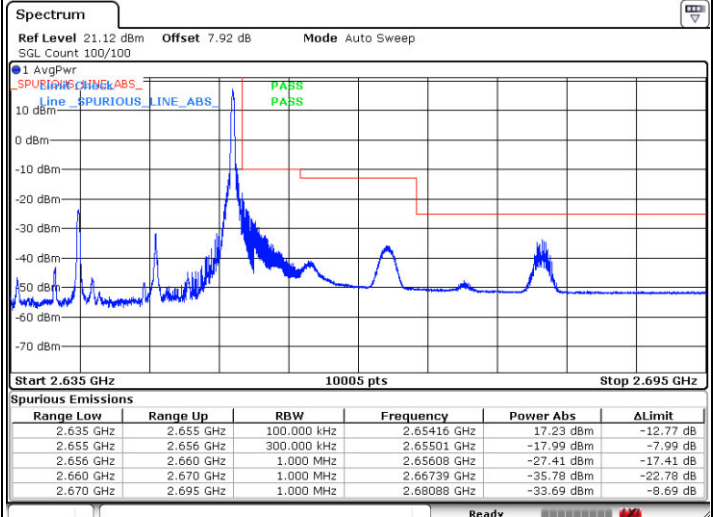
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



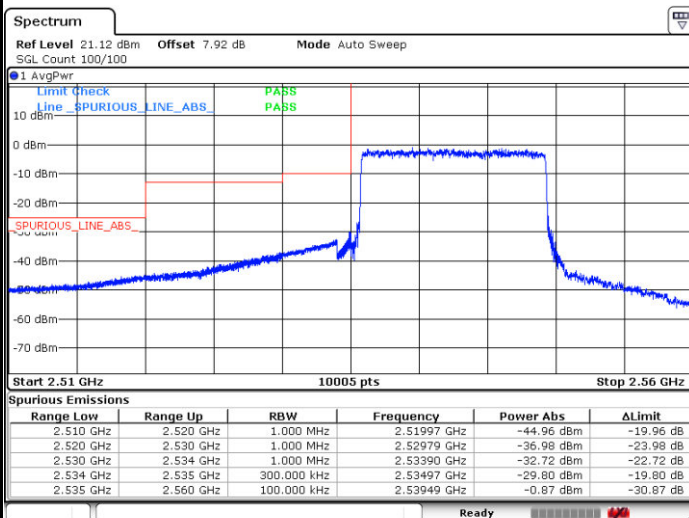
Date: 15.MAR.2019 23:14:30

Highest Band Edge / 1 RB



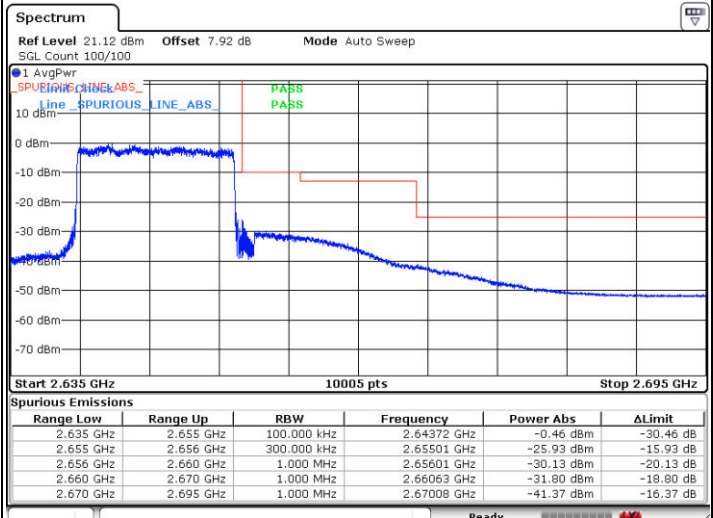
Date: 15.MAR.2019 23:00:45

Lowest Band Edge / Full RB



Date: 15.MAR.2019 23:14:07

Highest Band Edge / Full RB

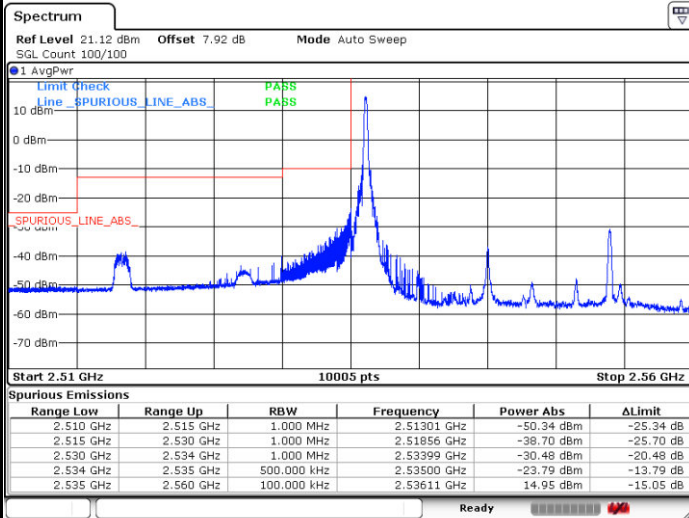


Date: 15.MAR.2019 23:00:18



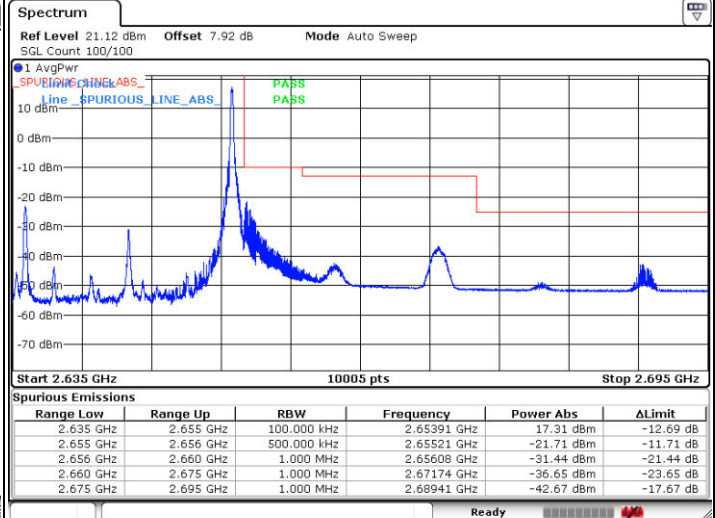
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



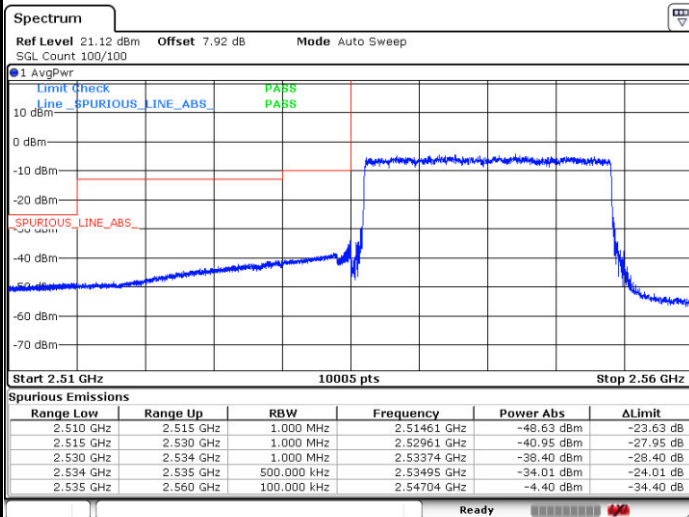
Date: 15.MAR.2019 23:10:33

Highest Band Edge / 1 RB



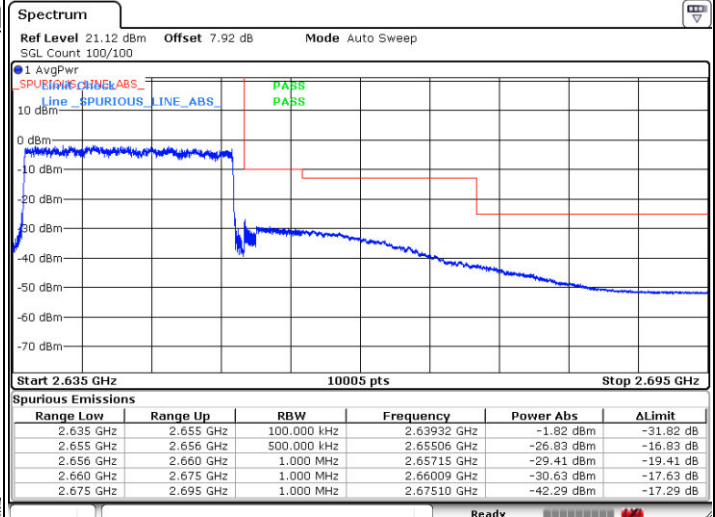
Date: 15.MAR.2019 23:05:41

Lowest Band Edge / Full RB



Date: 15.MAR.2019 23:11:00

Highest Band Edge / Full RB



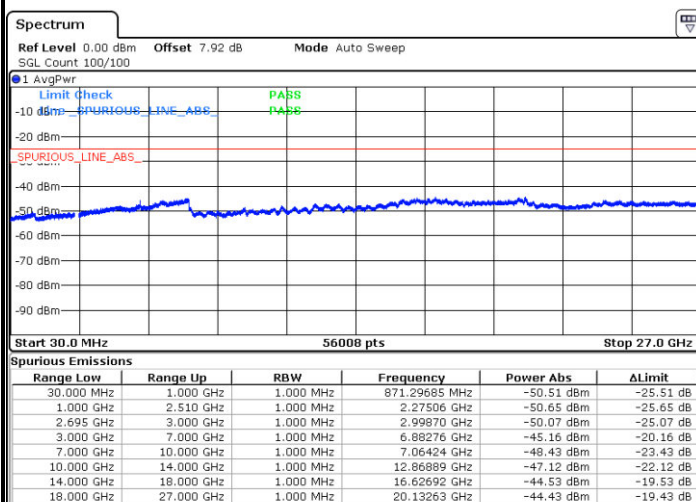
Date: 15.MAR.2019 23:05:17



Conducted Spurious Emission

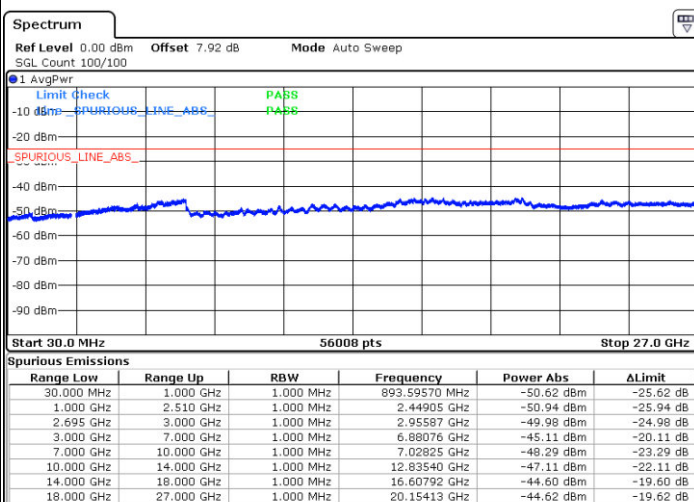
LTE Band 41 / 5MHz

Lowest Channel / QPSK



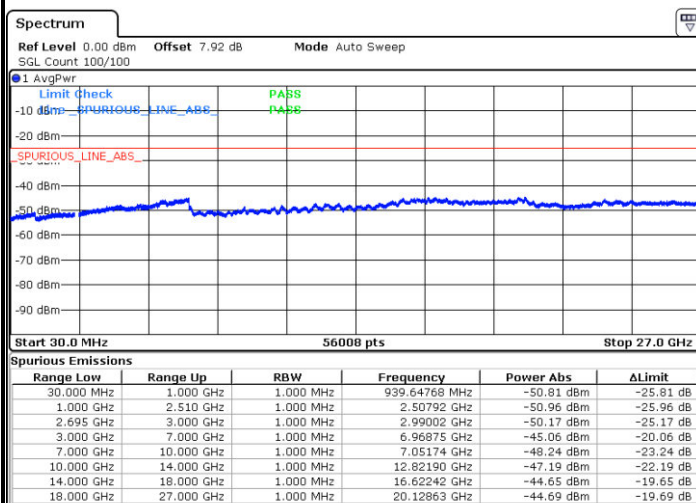
Date: 16 MAR 2019 00:17:08

Lowest Channel / 16QAM



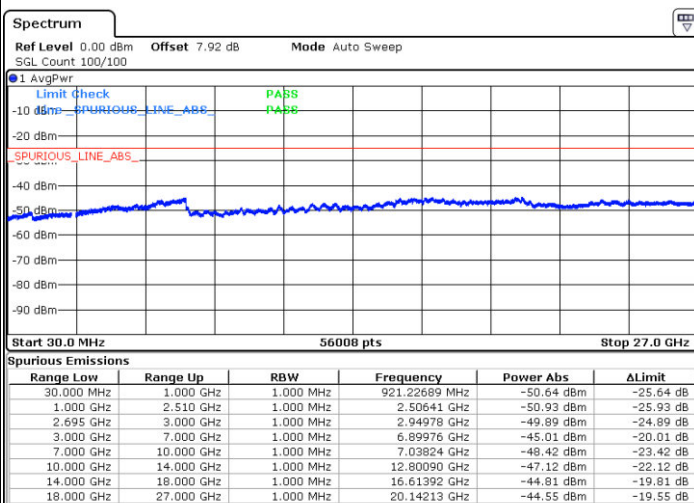
Date: 16 MAR 2019 00:17:51

Middle Channel / QPSK



Date: 16 MAR 2019 00:16:26

Middle Channel / 16QAM

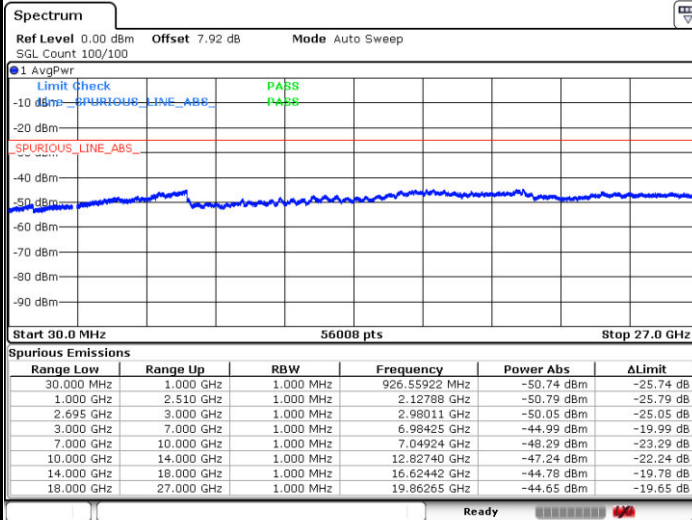


Date: 16 MAR 2019 00:15:43



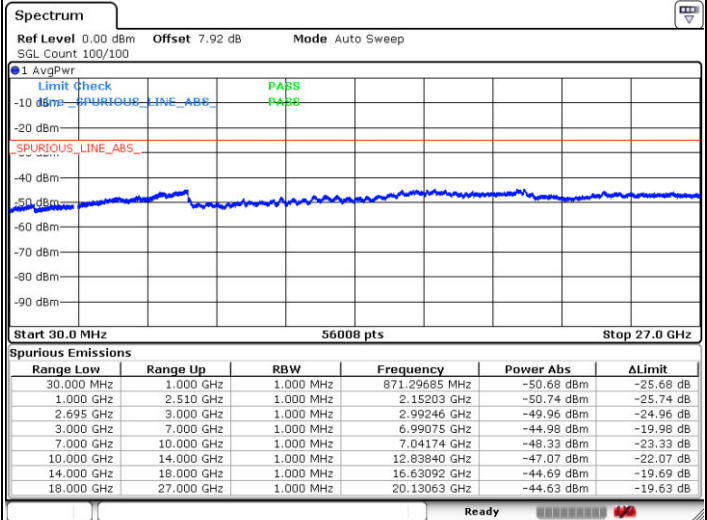
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 16 MAR 2019 00:20:45

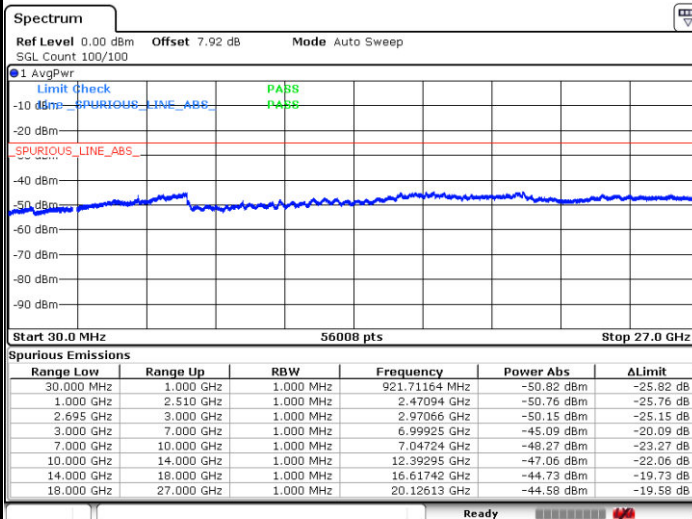
Highest Channel / 16QAM



Date: 16 MAR 2019 00:19:58

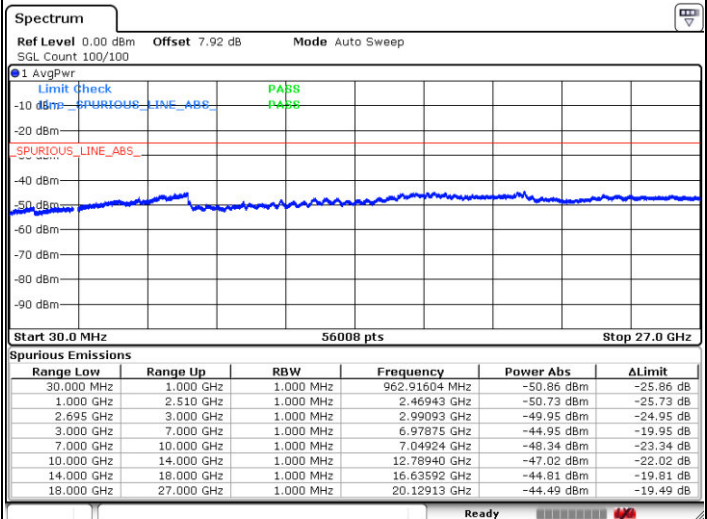
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 16 MAR 2019 00:11:14

Lowest Channel / 16QAM

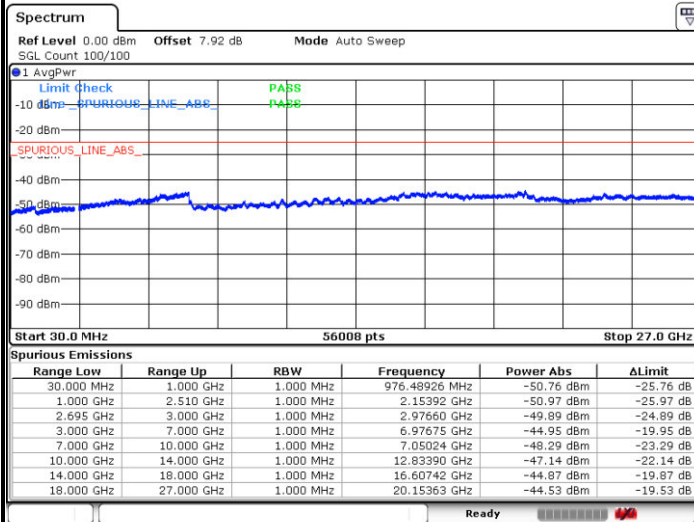


Date: 16 MAR 2019 00:04:14



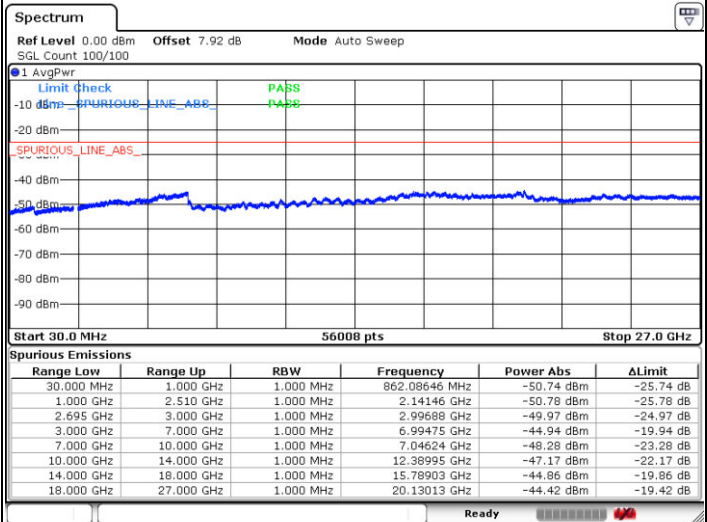
LTE Band 41 / 10MHz

Middle Channel / QPSK



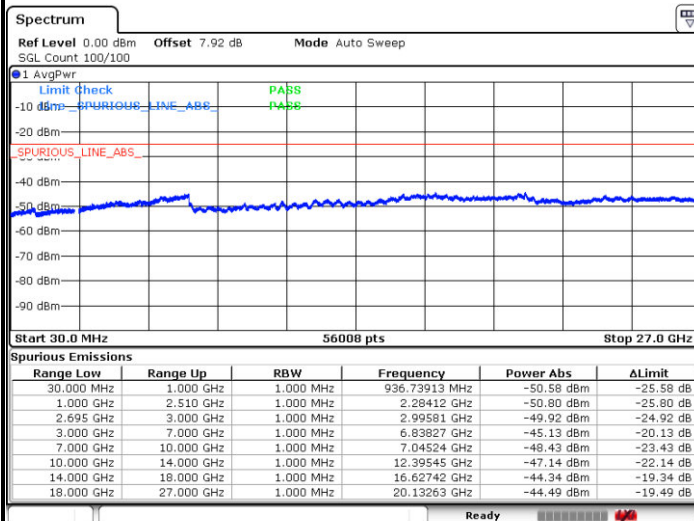
Date: 16 MAR 2019 00:01:03

Middle Channel / 16QAM



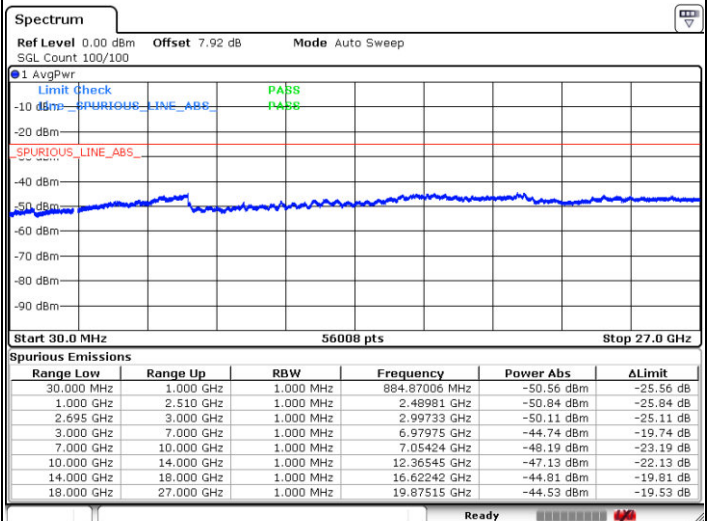
Date: 16 MAR 2019 00:01:56

Highest Channel / QPSK



Date: 16 MAR 2019 00:12:08

Highest Channel / 16QAM

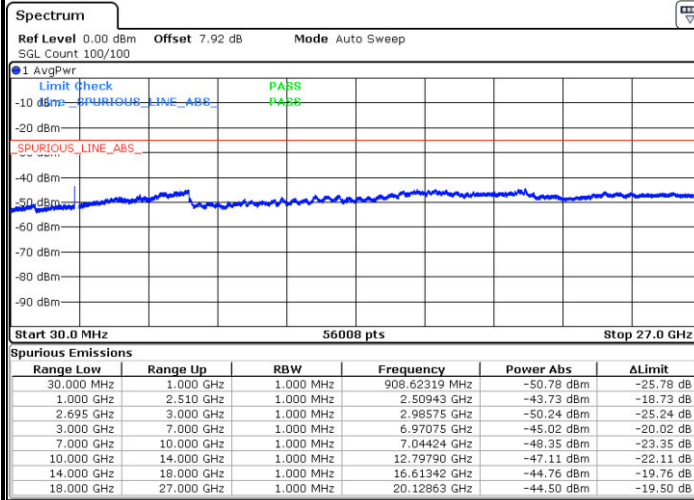


Date: 16 MAR 2019 00:13:03



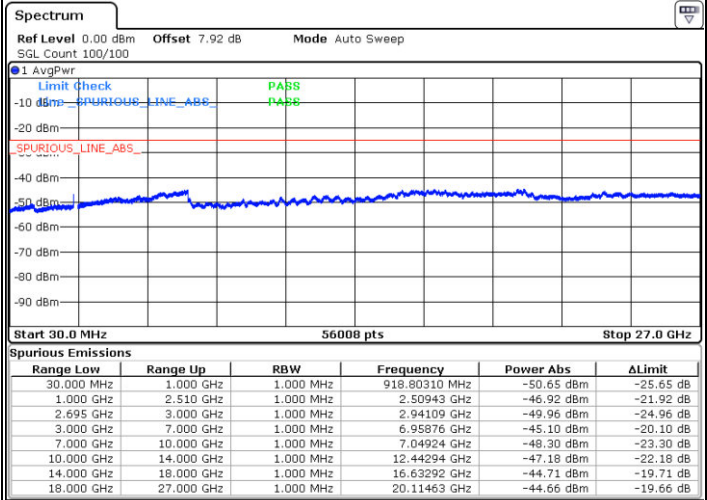
LTE Band 41 / 15MHz

Lowest Channel / QPSK



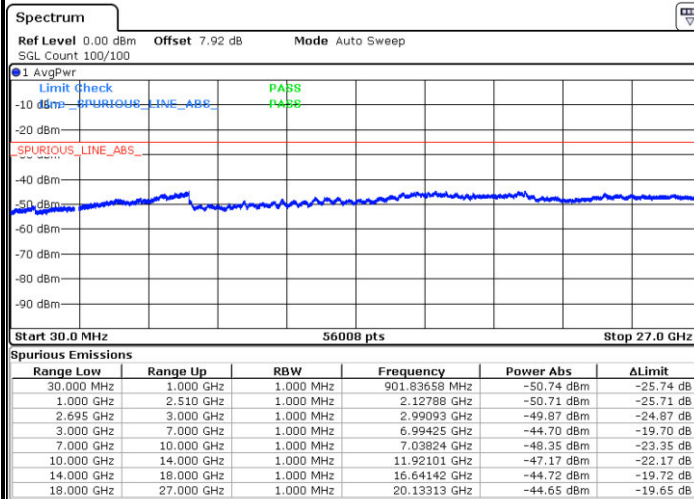
Date: 15 MAR 2019 23:55:36

Lowest Channel / 16QAM



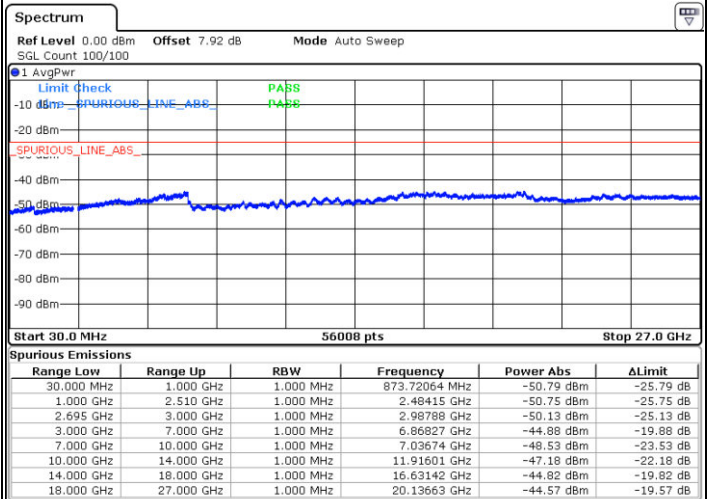
Date: 15 MAR 2019 23:56:26

Middle Channel / QPSK



Date: 15 MAR 2019 23:54:50

Middle Channel / 16QAM

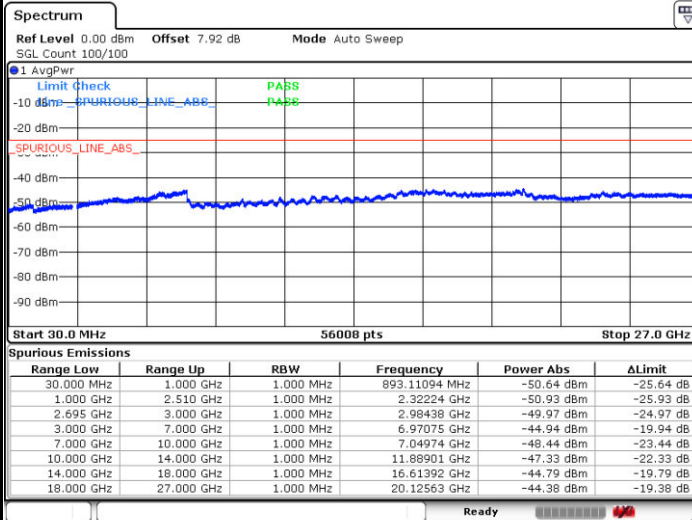


Date: 15 MAR 2019 23:54:05



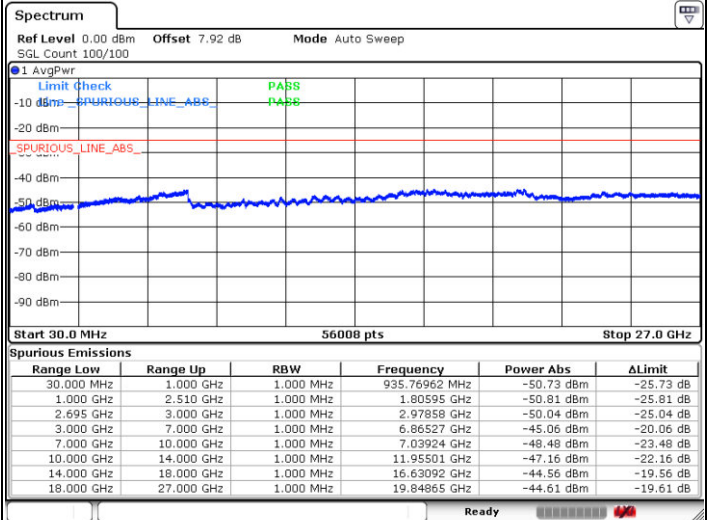
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 15 MAR 2019 23:59:22

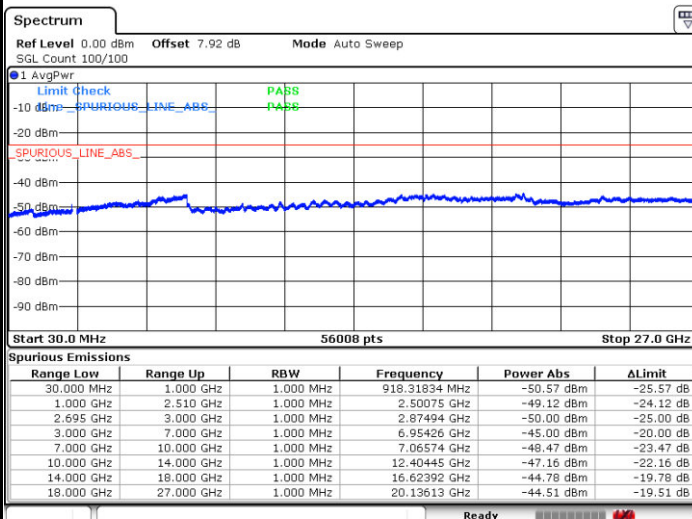
Highest Channel / 16QAM



Date: 15 MAR 2019 23:58:39

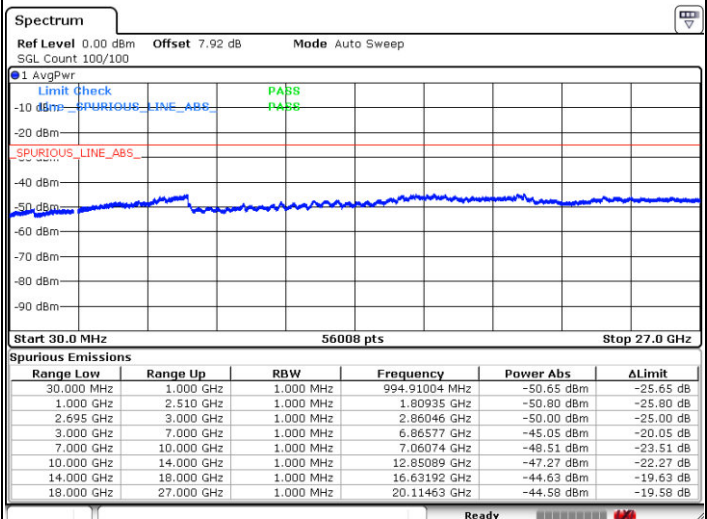
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 15 MAR 2019 23:45:50

Lowest Channel / 16QAM

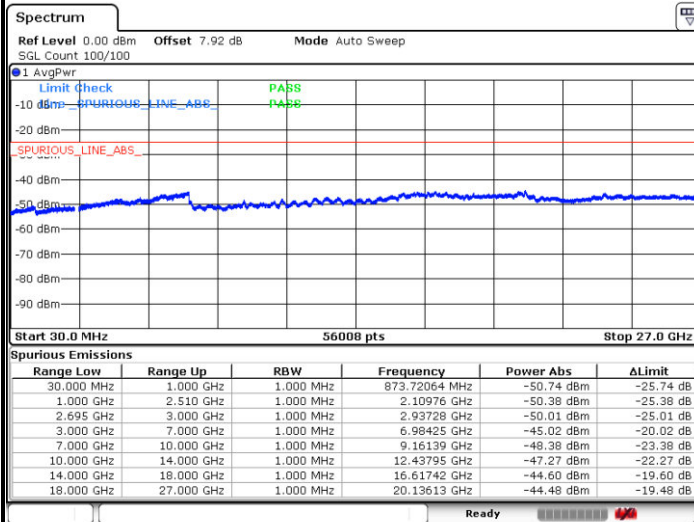


Date: 15 MAR 2019 23:45:07



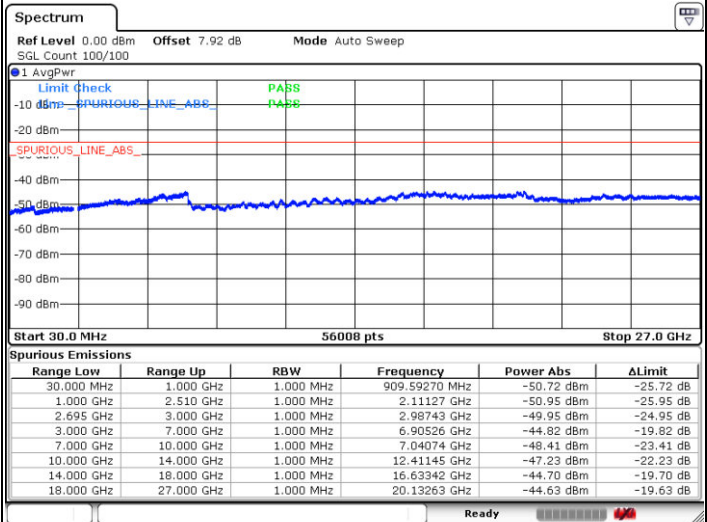
LTE Band 41 / 20MHz

Middle Channel / QPSK



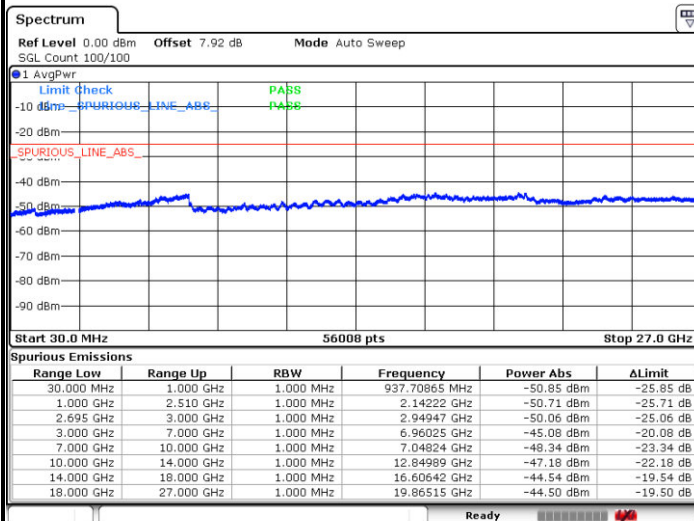
Date: 15 MAR 2019 23:49:16

Middle Channel / 16QAM



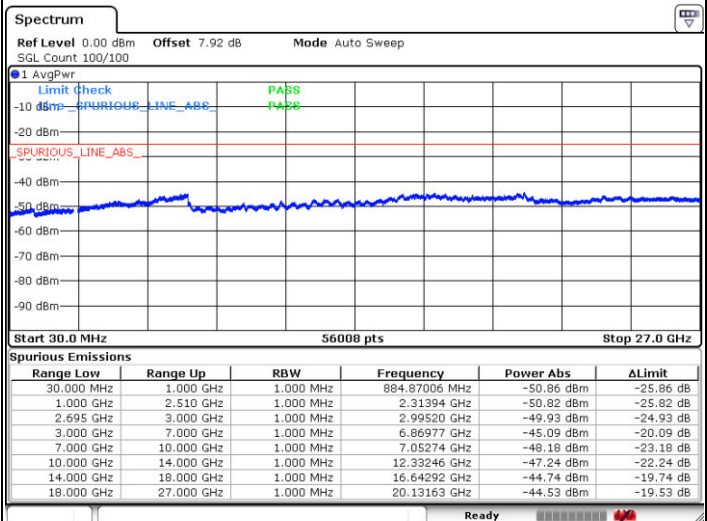
Date: 15 MAR 2019 23:48:24

Highest Channel / QPSK



Date: 15 MAR 2019 23:50:14

Highest Channel / 16QAM

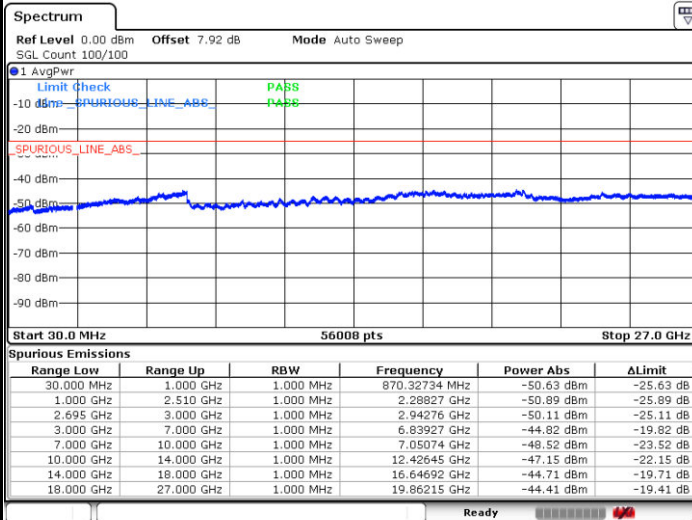


Date: 15 MAR 2019 23:50:58



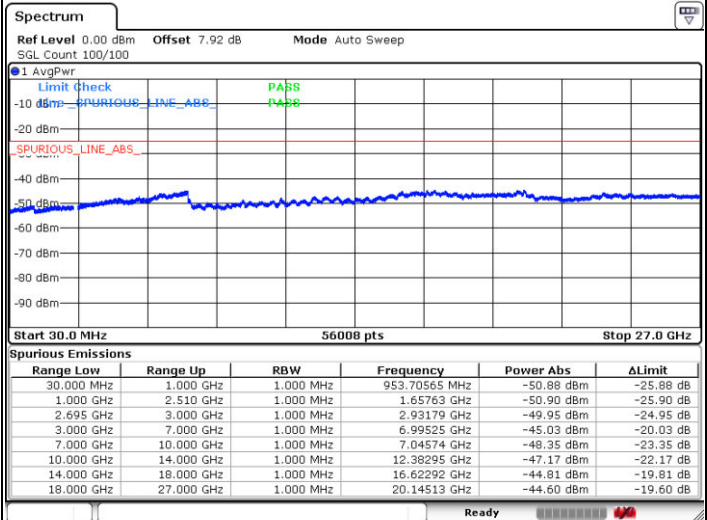
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



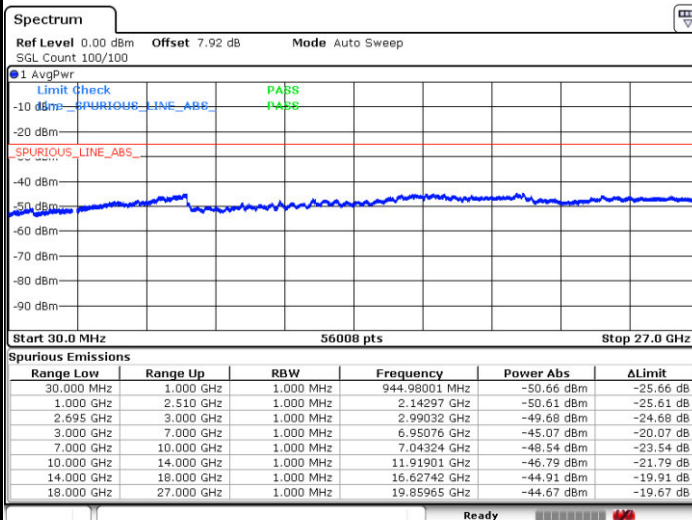
Date: 16 MAR 2019 00:18:34

Middle Channel / 64QAM



Date: 16 MAR 2019 00:14:51

Highest Channel / 64QAM

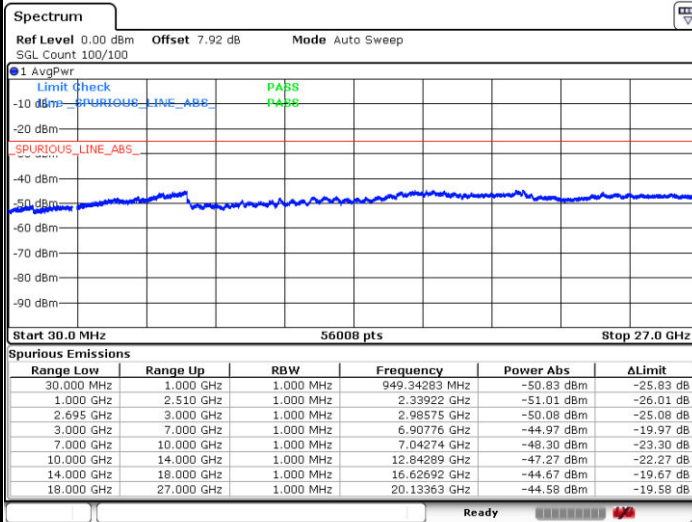


Date: 16 MAR 2019 00:19:16



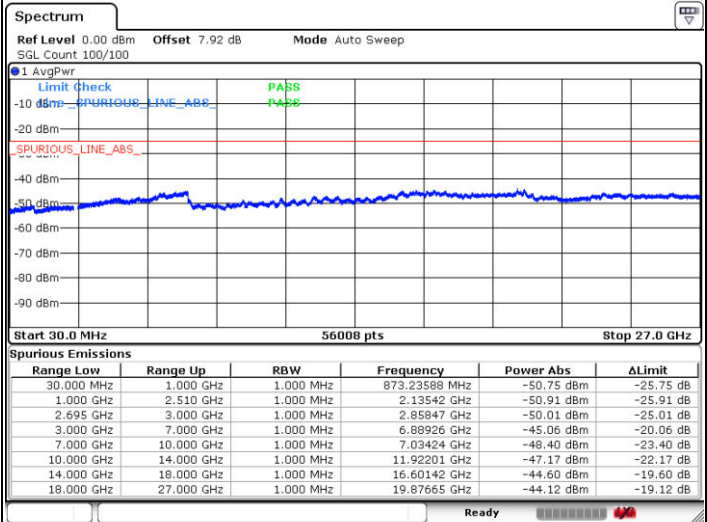
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



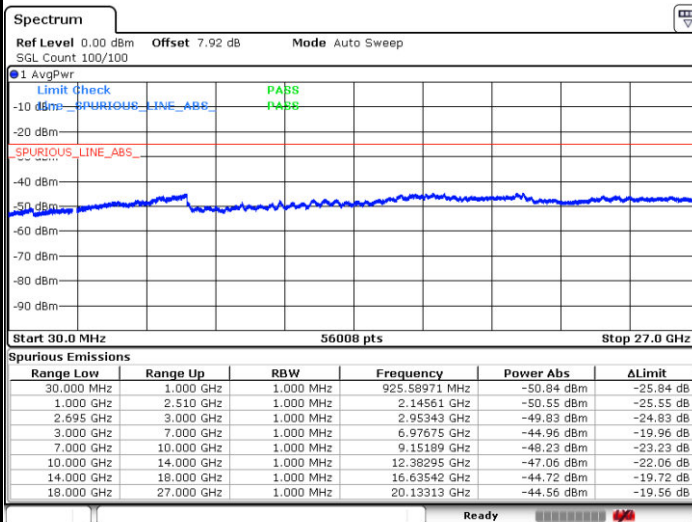
Date: 16 MAR 2019 00:03:23

Middle Channel / 64QAM



Date: 16 MAR 2019 00:02:40

Highest Channel / 64QAM



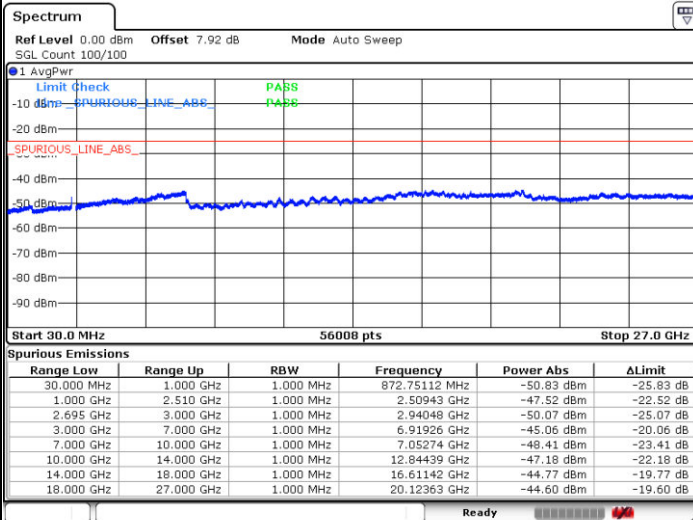
Date: 16 MAR 2019 00:13:47



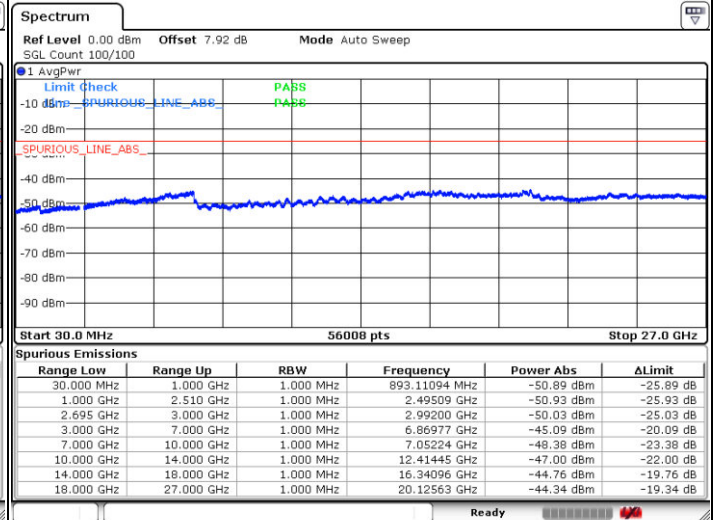
LTE Band 41 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

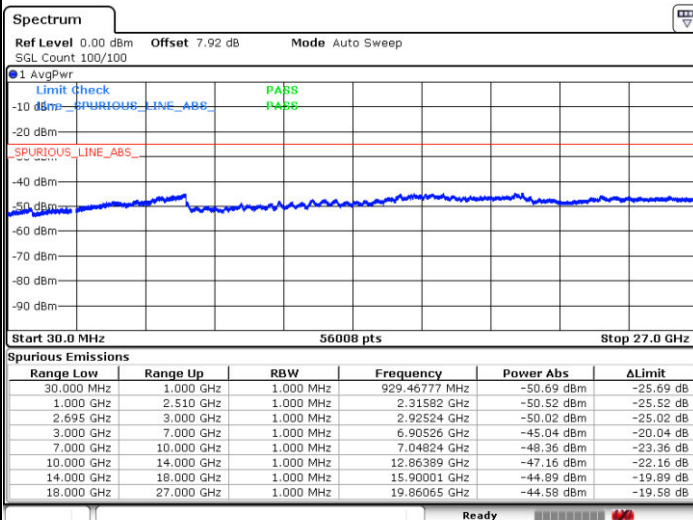


Date: 15 MAR 2019 23:57:10



Date: 15 MAR 2019 23:52:52

Highest Channel / 64QAM

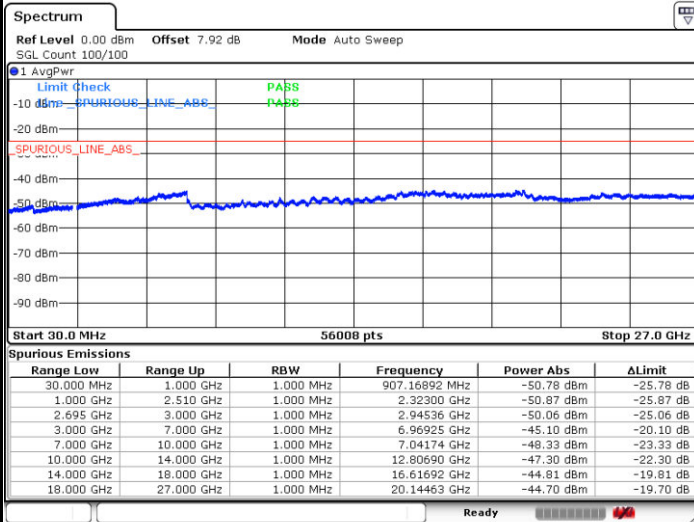


Date: 15 MAR 2019 23:57:55



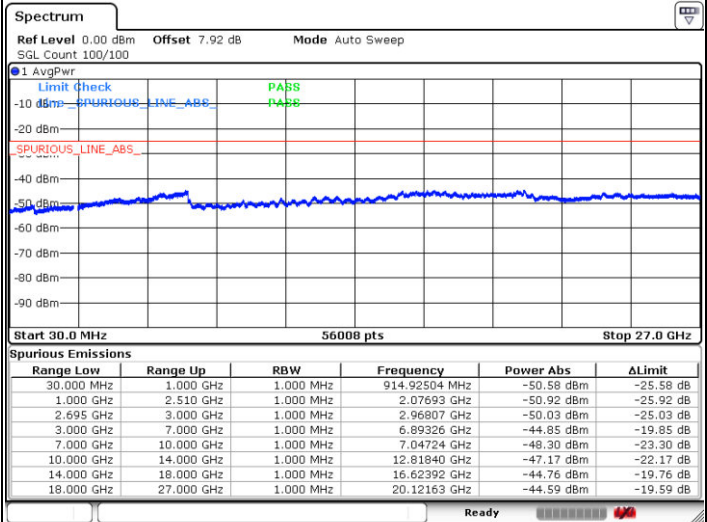
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



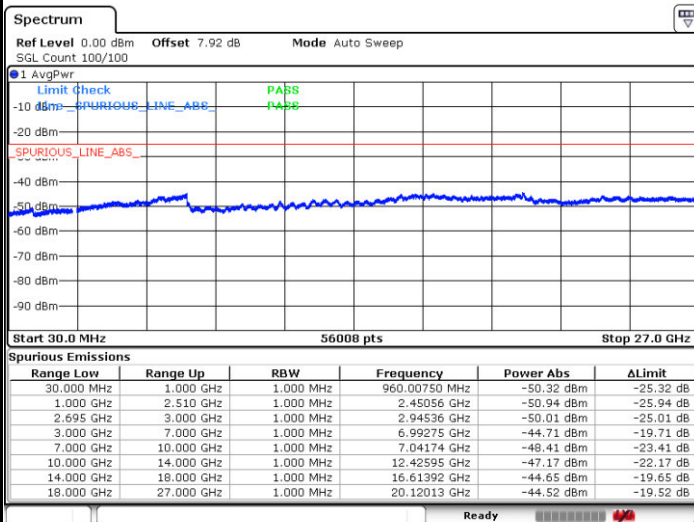
Date: 15 MAR 2019 23:46:33

Middle Channel / 64QAM



Date: 15 MAR 2019 23:47:21

Highest Channel / 64QAM



Date: 15 MAR 2019 23:51:41

**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	0.0001	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 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 / 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	-58.26	-25	-33.26	-64.27	4.20	10.21	H
	7760	-52.32	-25	-27.32	-59.18	5.12	11.98	H
	10341	-58.58	-25	-33.58	-65.62	5.86	12.90	H
	5170	-61.25	-25	-36.25	-67.26	4.20	10.21	V
	7760	-52.29	-25	-27.29	-59.15	5.12	11.98	V
	10341	-58.92	-25	-33.92	-65.96	5.86	12.90	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 FG8D2002B which is issued separately.