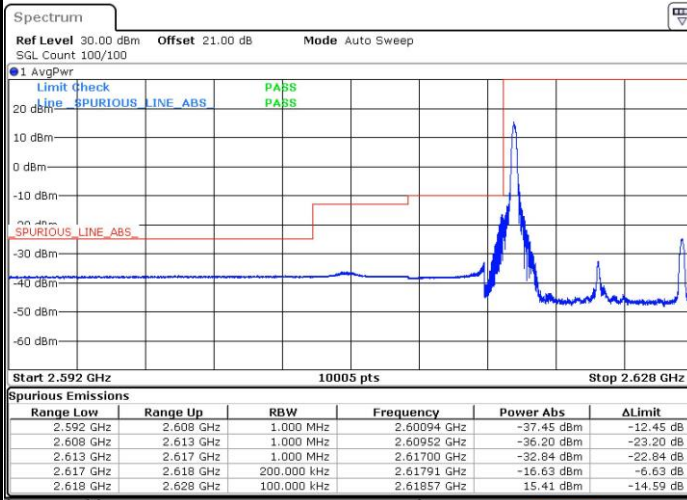




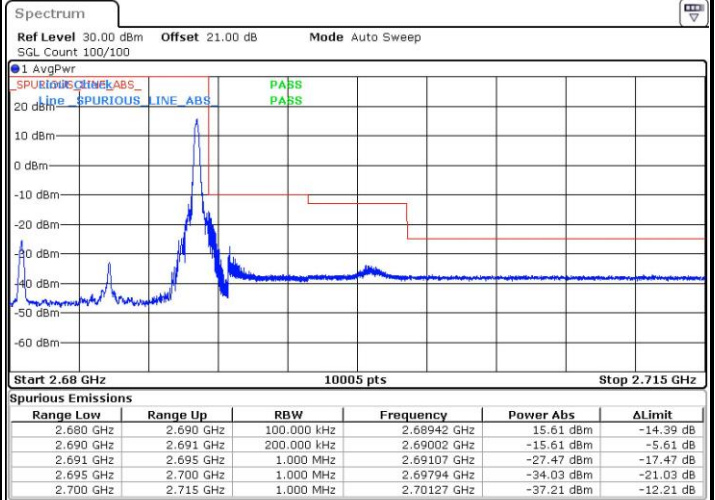
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



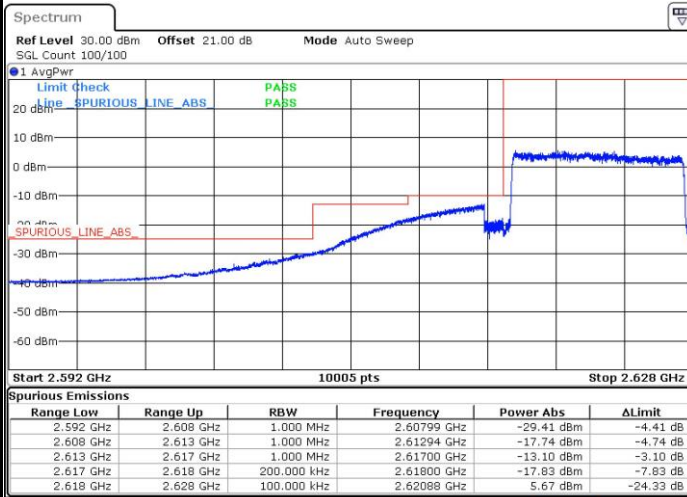
Date: 25.DEC.2018 00:08:17

Highest Band Edge / 1 RB



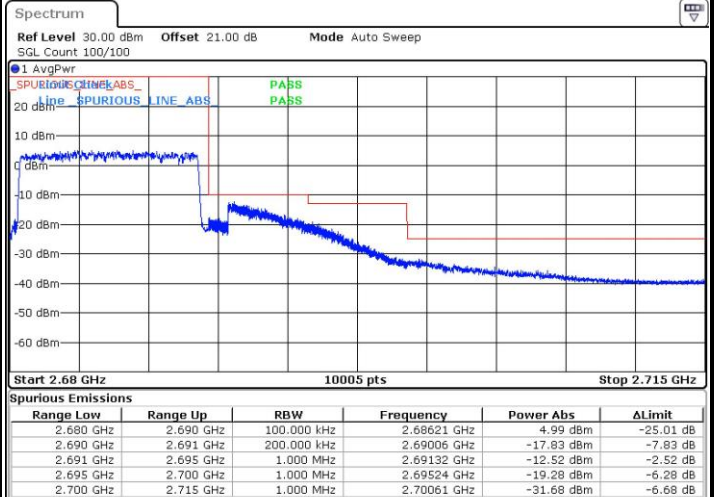
Date: 25.DEC.2018 00:09:49

Lowest Band Edge / Full RB



Date: 14.DEC.2018 12:57:40

Highest Band Edge / Full RB

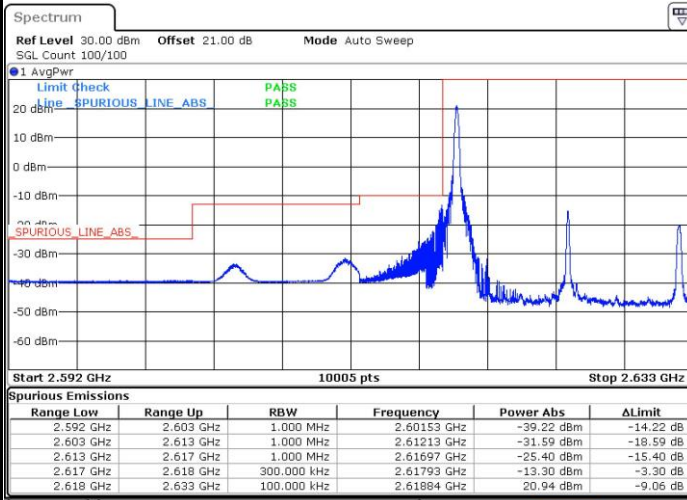


Date: 14.DEC.2018 13:01:25



LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



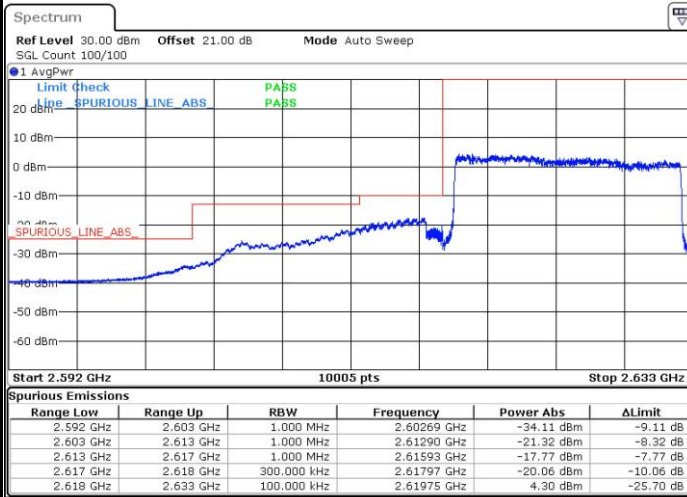
Date: 14 DEC 2018 13:02:23

Highest Band Edge / 1 RB



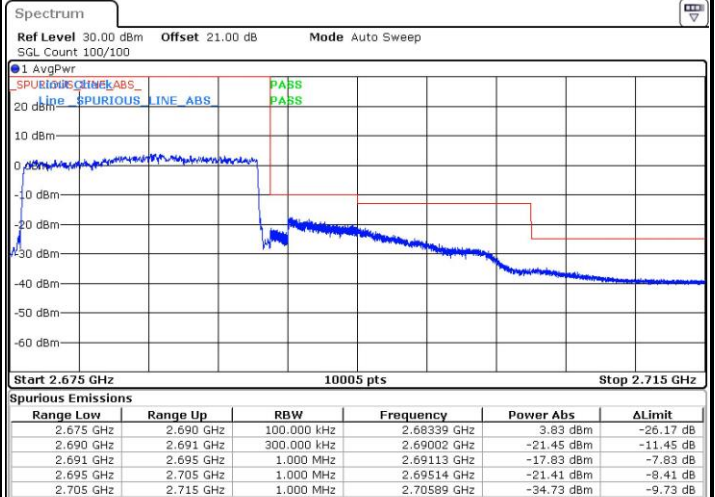
Date: 14 DEC 2018 13:06:06

Lowest Band Edge / Full RB



Date: 14 DEC 2018 13:20:53

Highest Band Edge / Full RB

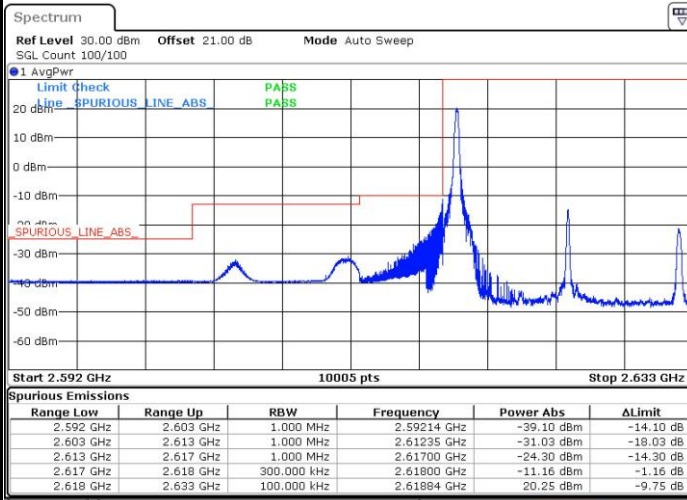


Date: 14 DEC 2018 13:07:59



LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



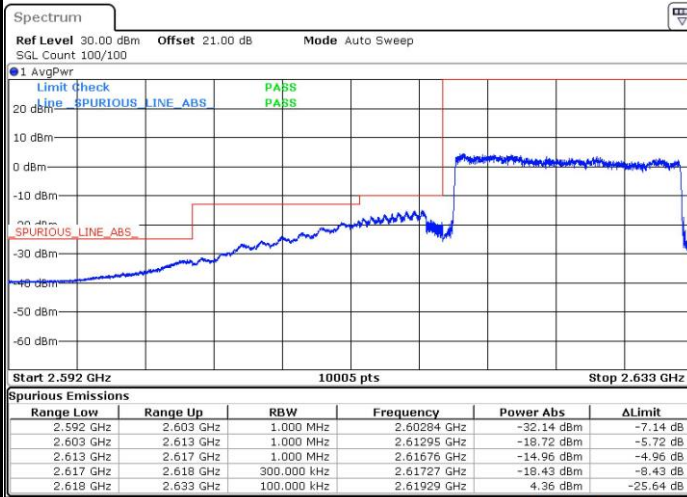
Date: 14 DEC 2018 13:03:19

Highest Band Edge / 1 RB



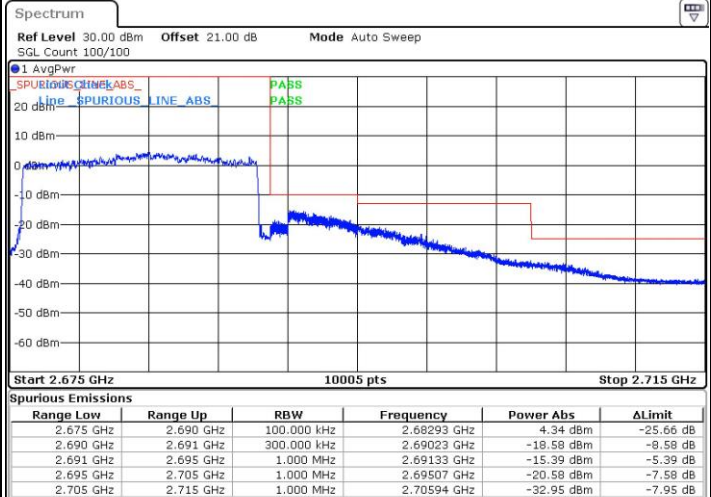
Date: 14 DEC 2018 13:07:02

Lowest Band Edge / Full RB



Date: 14 DEC 2018 13:21:23

Highest Band Edge / Full RB

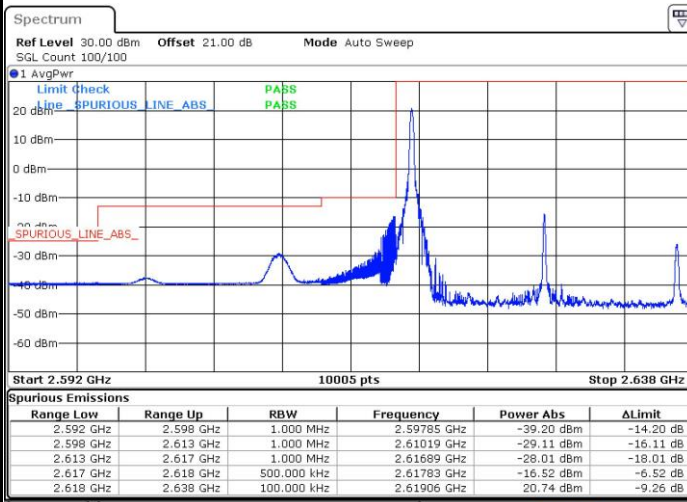


Date: 14 DEC 2018 13:08:55



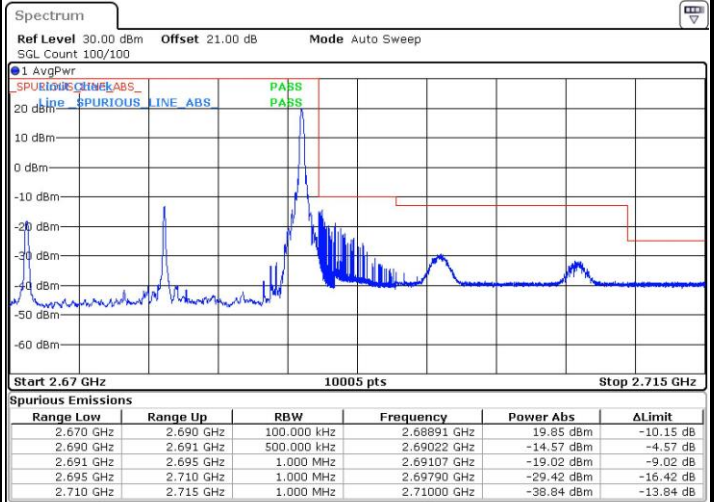
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



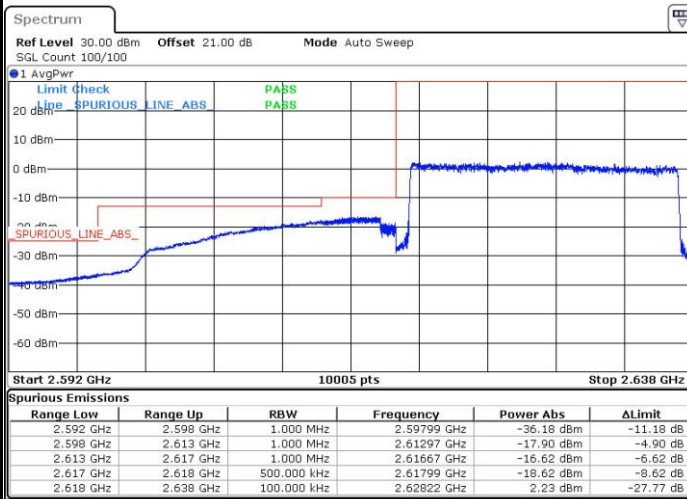
Date: 14 DEC 2018 10:36:46

Highest Band Edge / 1 RB



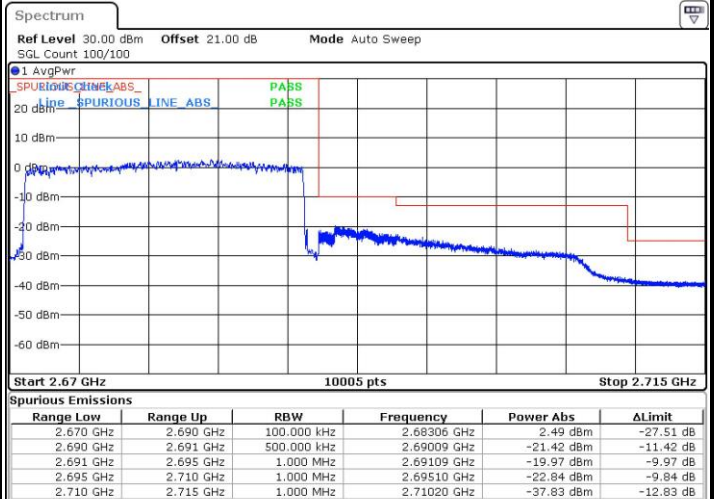
Date: 14 DEC 2018 10:29:04

Lowest Band Edge / Full RB



Date: 14 DEC 2018 10:35:47

Highest Band Edge / Full RB

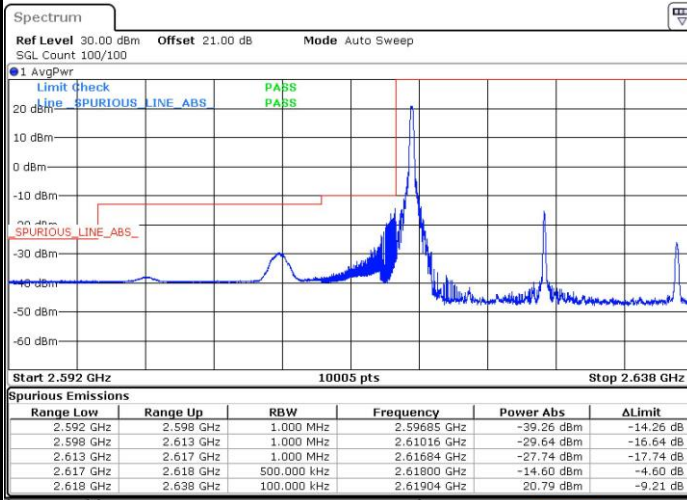


Date: 14 DEC 2018 10:27:36



LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



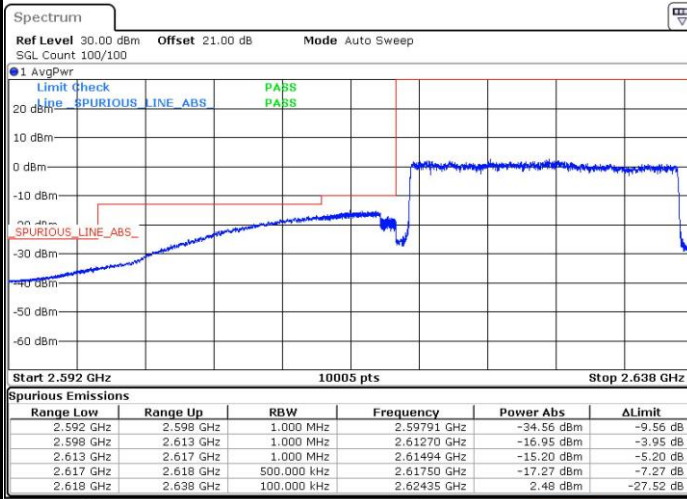
Date: 14.DEC.2018 10:40:07

Highest Band Edge / 1 RB



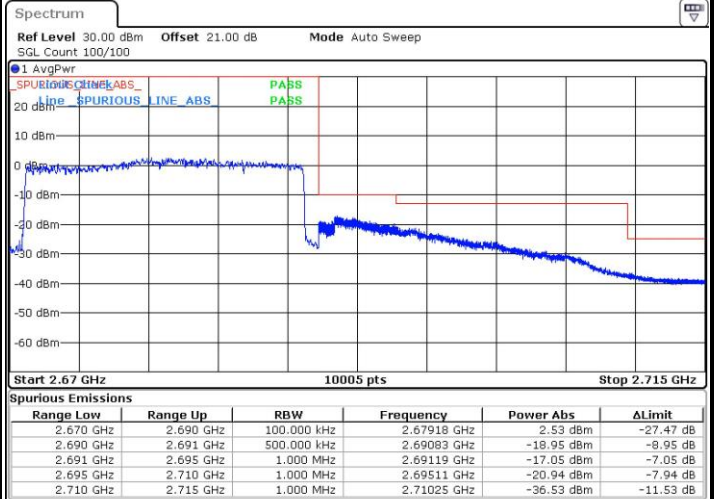
Date: 14.DEC.2018 10:29:44

Lowest Band Edge / Full RB



Date: 14.DEC.2018 10:33:30

Highest Band Edge / Full RB



Date: 14.DEC.2018 10:27:22



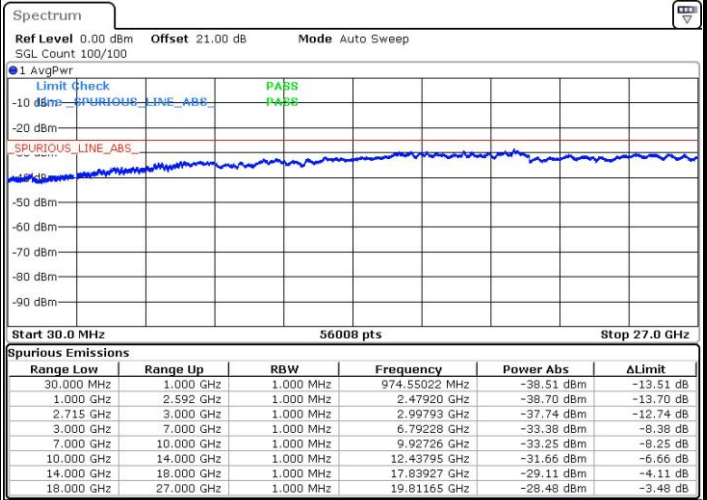
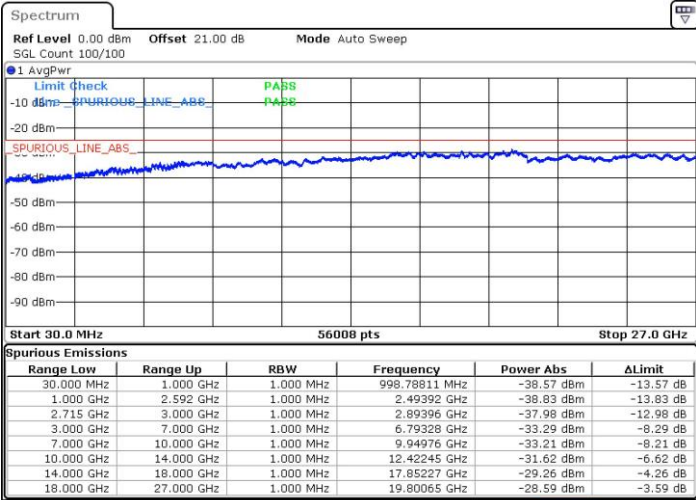
Conducted Spurious Emission



LTE Band 41 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

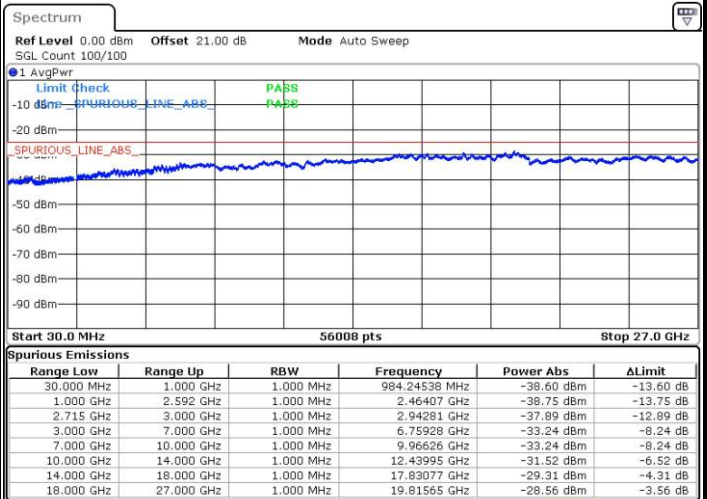
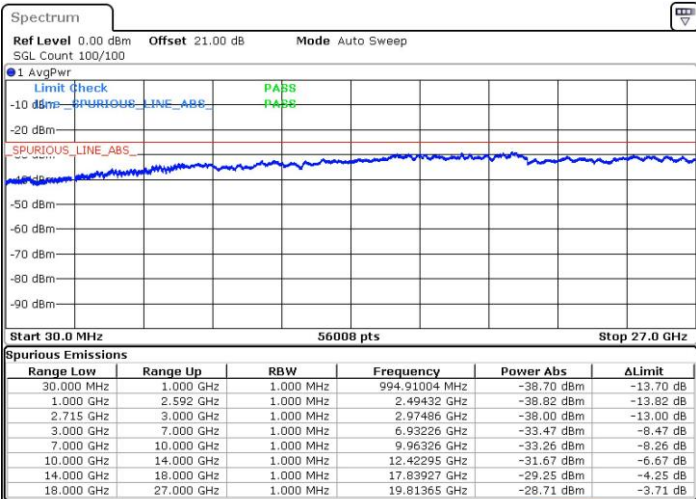


Date: 14.DEC.2018 13:34:02

Date: 14.DEC.2018 13:35:04

Middle Channel / QPSK

Middle Channel / 16QAM



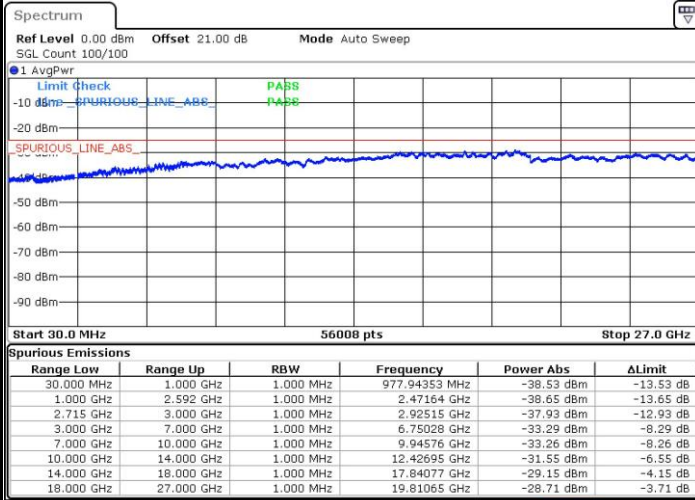
Date: 14.DEC.2018 13:36:05

Date: 14.DEC.2018 13:37:07



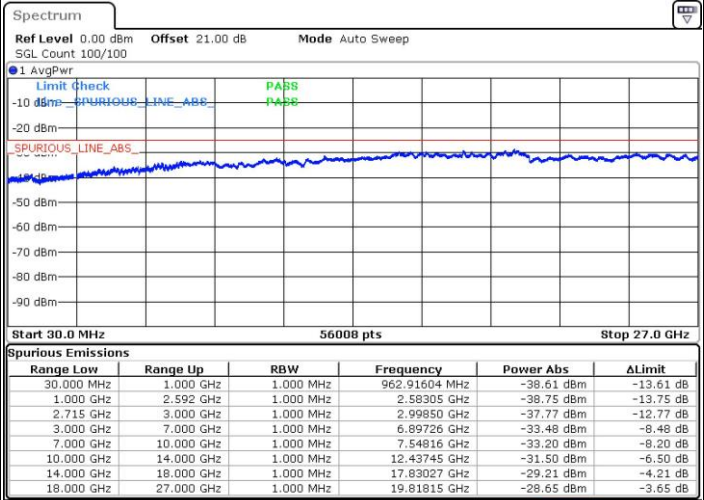
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 14.DEC.2018 13:38:08

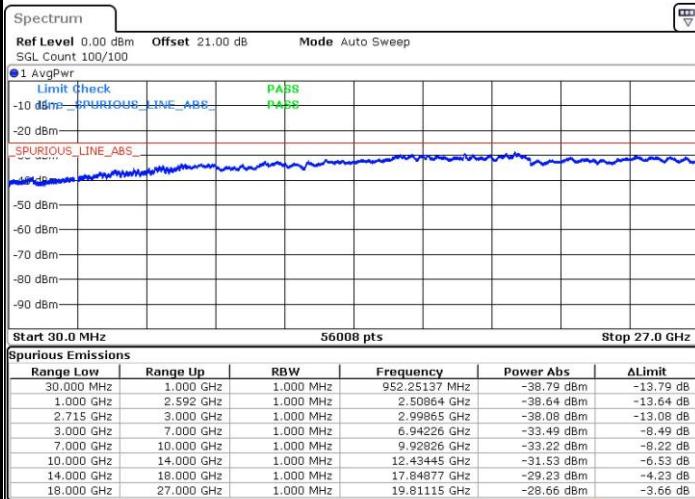
Highest Channel / 16QAM



Date: 14.DEC.2018 13:39:10

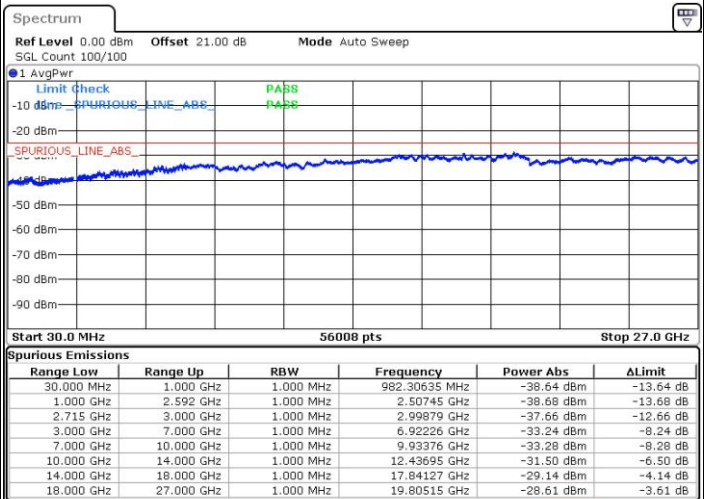
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 14.DEC.2018 13:40:12

Lowest Channel / 16QAM



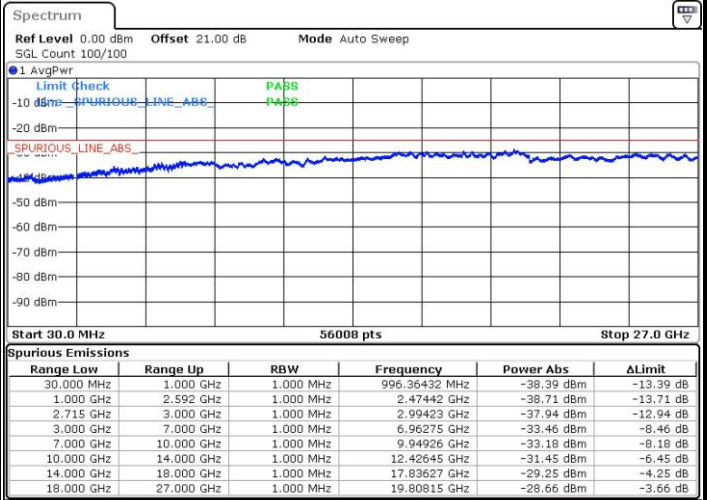
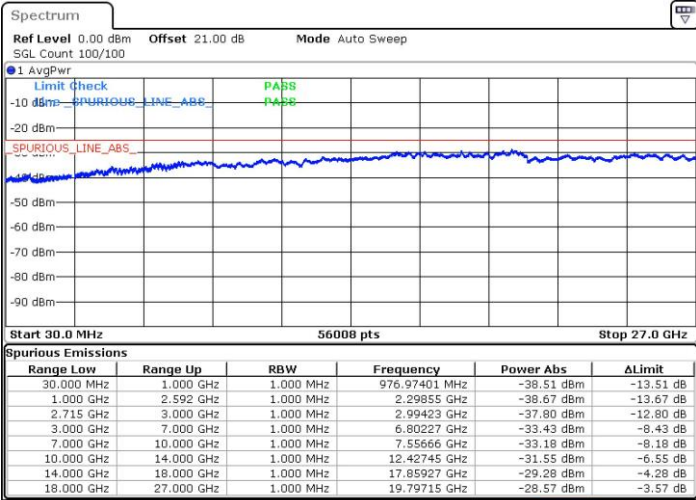
Date: 14.DEC.2018 13:41:14



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

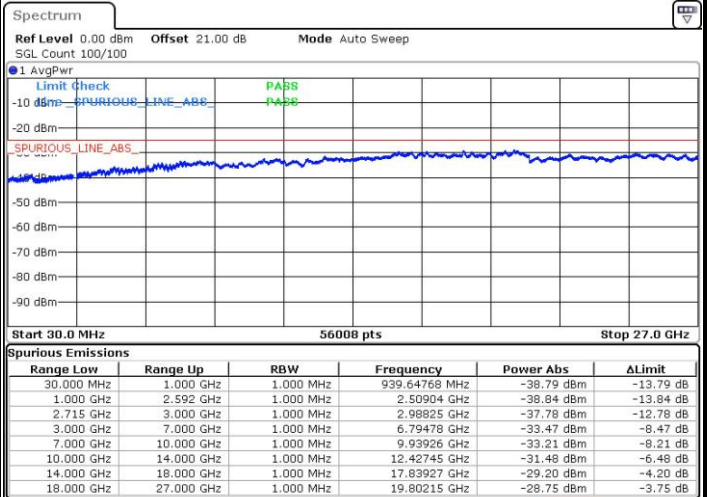
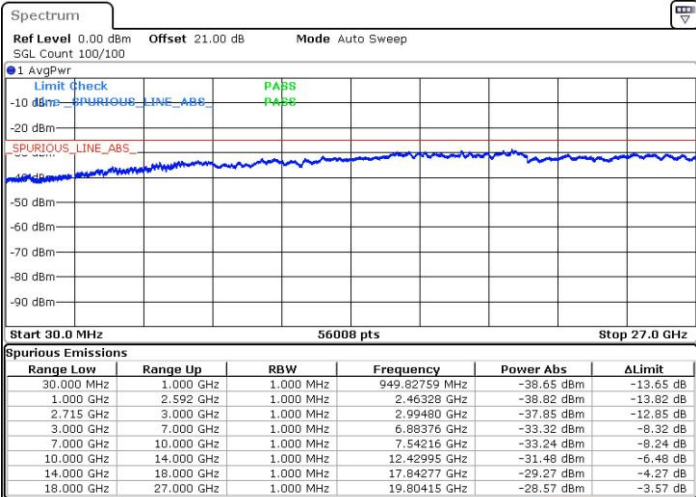


Date: 14.DEC.2018 13:42:15

Date: 14.DEC.2018 13:43:17

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.DEC.2018 13:44:18

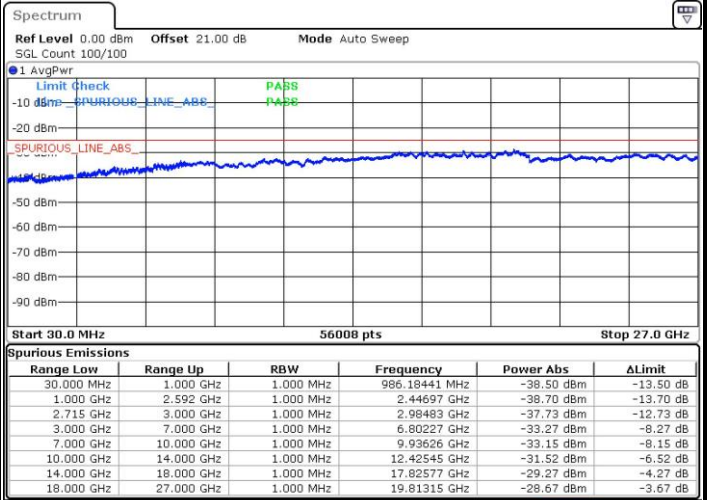
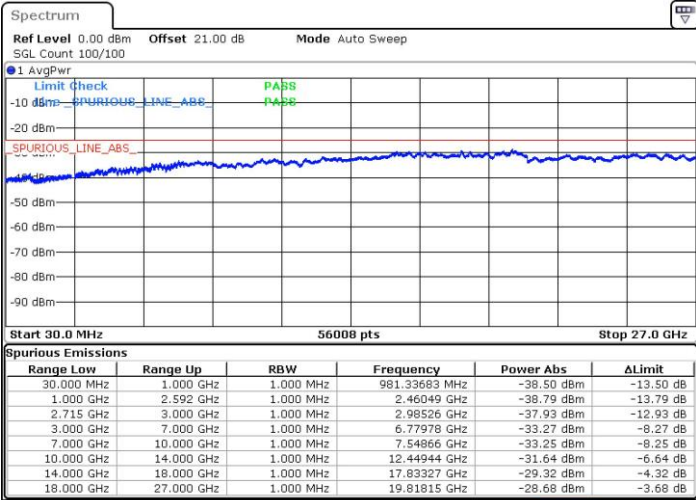
Date: 14.DEC.2018 13:45:20



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

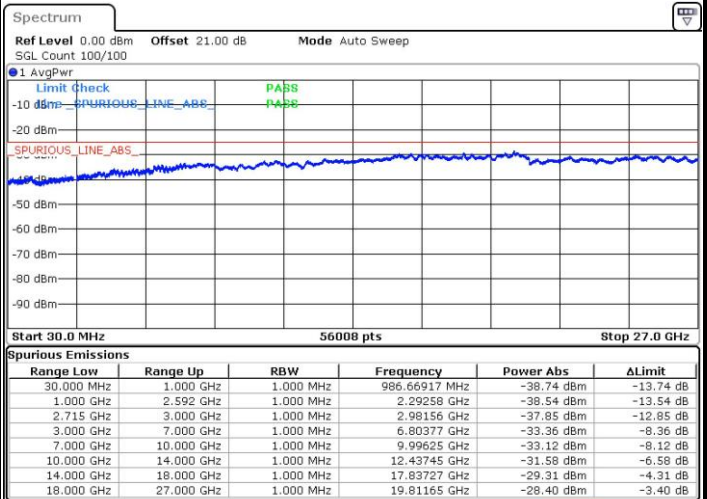
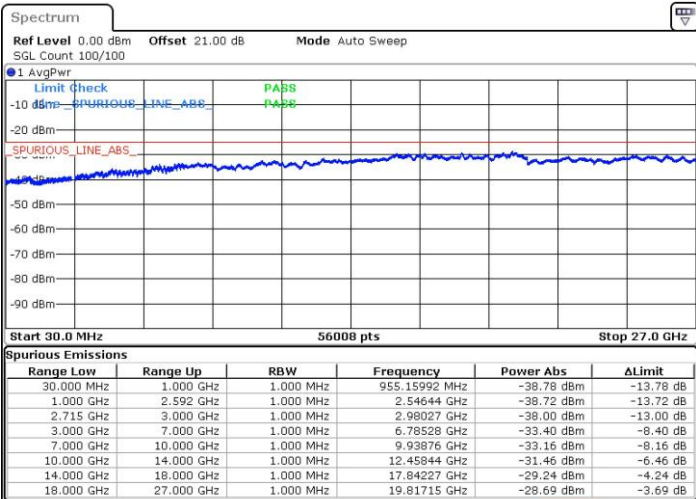


Date: 14.DEC.2018 13:47:30

Date: 14.DEC.2018 13:52:13

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 14.DEC.2018 13:53:13

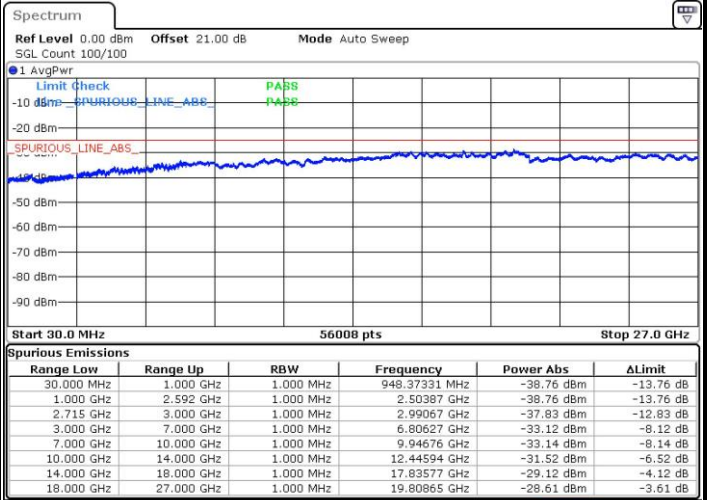
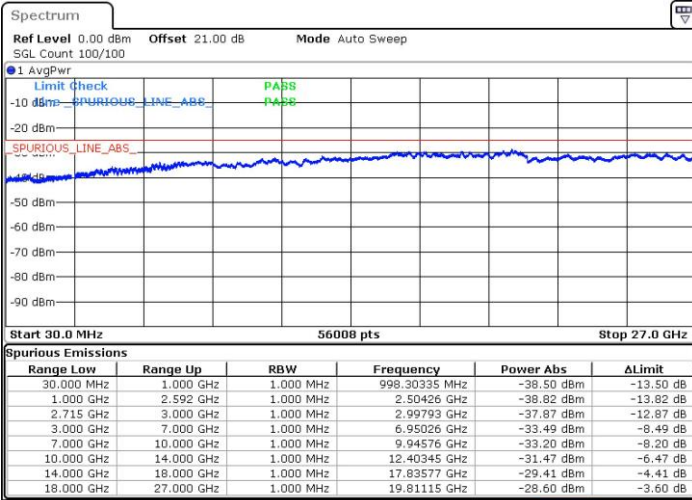
Date: 14.DEC.2018 13:54:19



LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



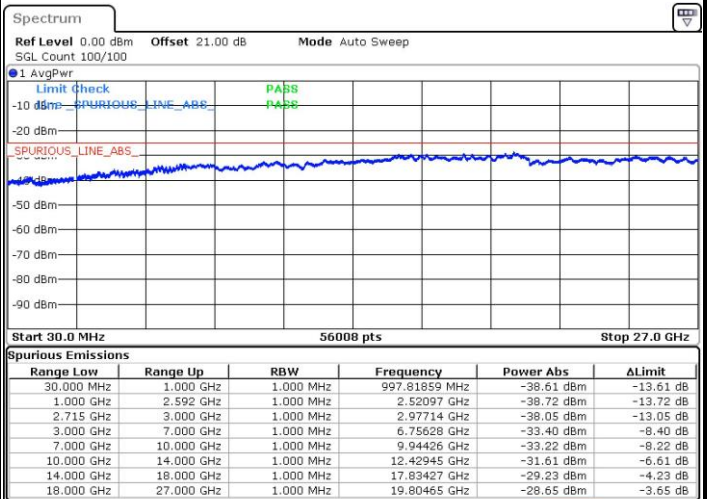
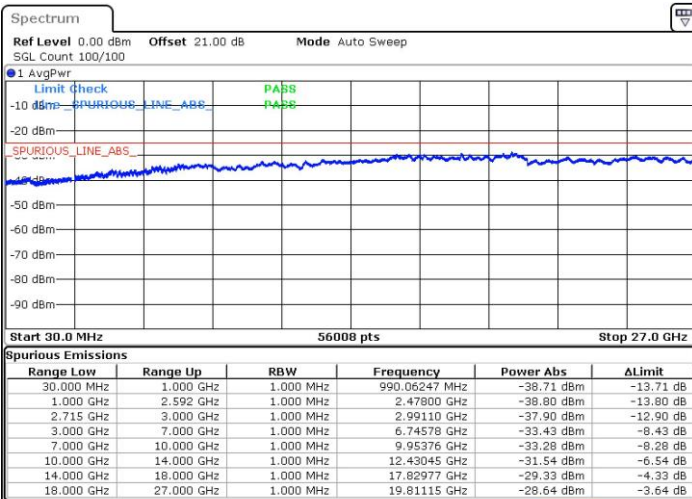
Date: 14.DEC.2018 13:55:19

Date: 14.DEC.2018 13:56:50

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 14.DEC.2018 13:58:15

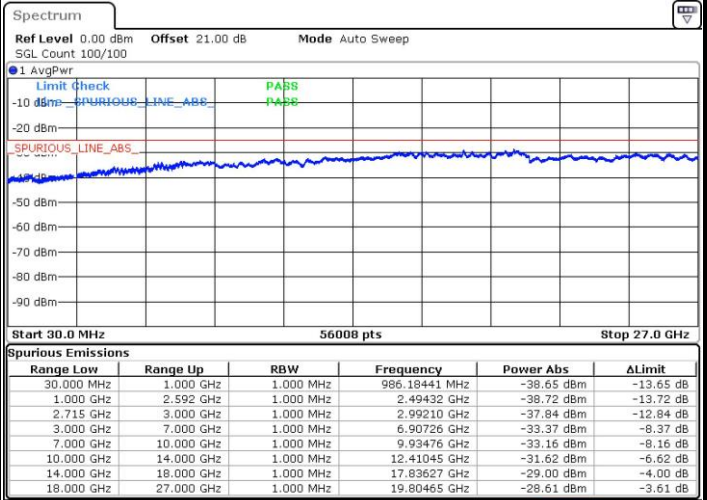
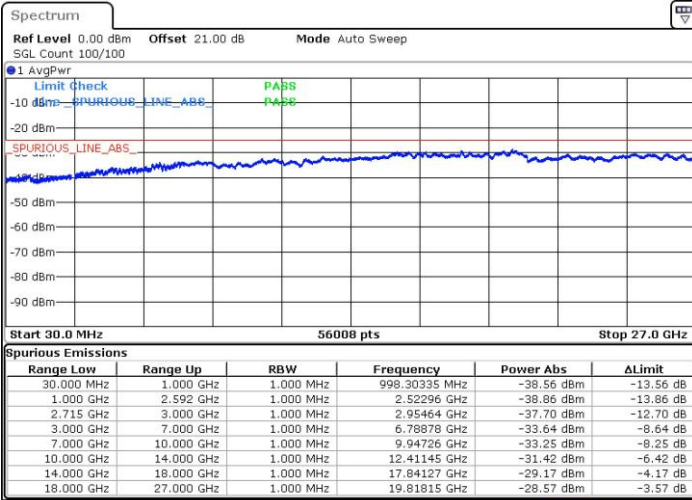
Date: 14.DEC.2018 13:59:17



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

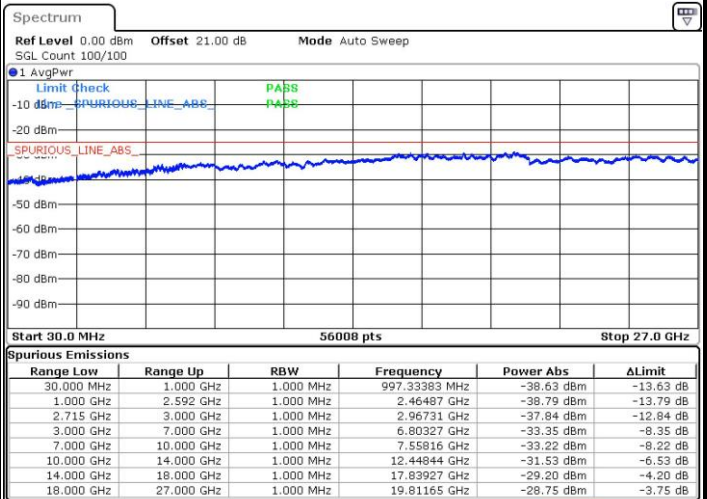
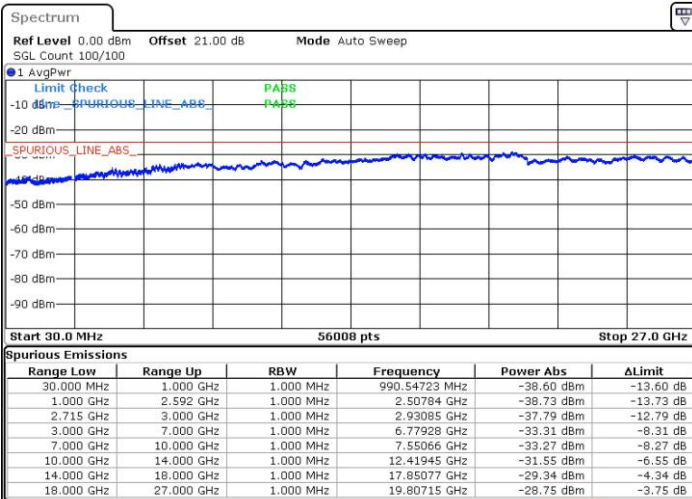


Date: 14.DEC.2018 14:00:18

Date: 14.DEC.2018 14:04:33

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.DEC.2018 14:05:40

Date: 14.DEC.2018 14:06:43



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	0.0039	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0034	
-20	Normal Voltage	0.0055	
-30	Normal Voltage	0.0047	
20	Maximum Voltage	0.0076	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0033	

Note:

- 7. Normal Voltage =120 V. ; Minimum Voltage =100 V. ; Maximum Voltage =240 V.
- 8. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41_CA

<For Tx Low Band Chain 1>

26dB Bandwidth

Mode	LTE Band 41 CA Low Band TX0 : 26dB BW(MHz)	
	20MHz+20MHz	
Modulation	QPSK	16QAM
Lowest CH	39.68	39.92
Middle CH	39.92	39.92
Highest CH	39.68	39.84



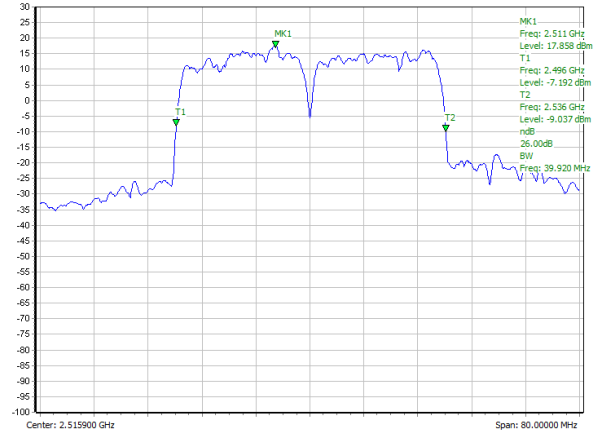
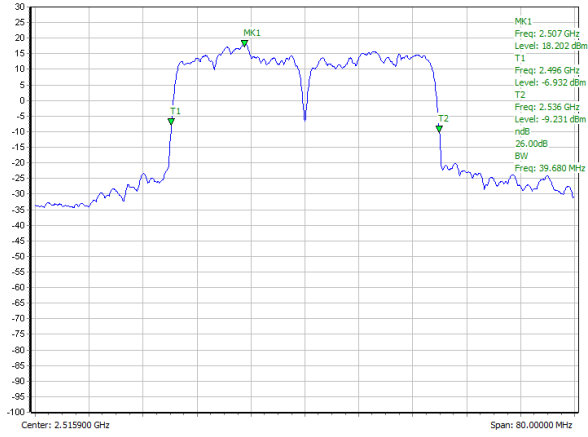
LTE Band 41 CA Low Band TX0

QPSK

64QAM

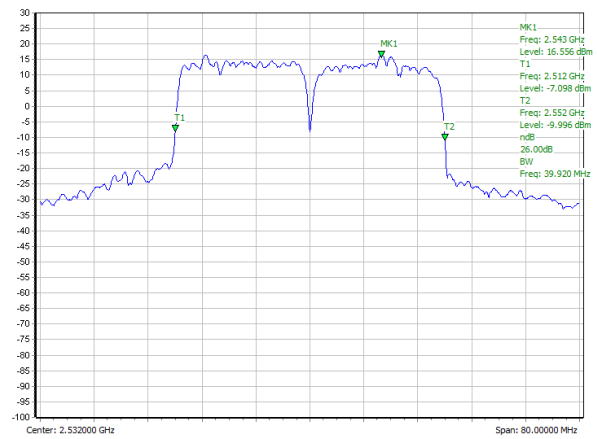
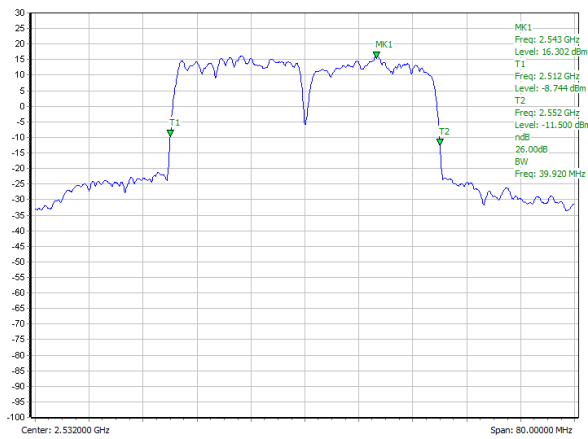
Lowest Channel / 20MHz+20MHz

Lowest Channel / 20MHz+20MHz



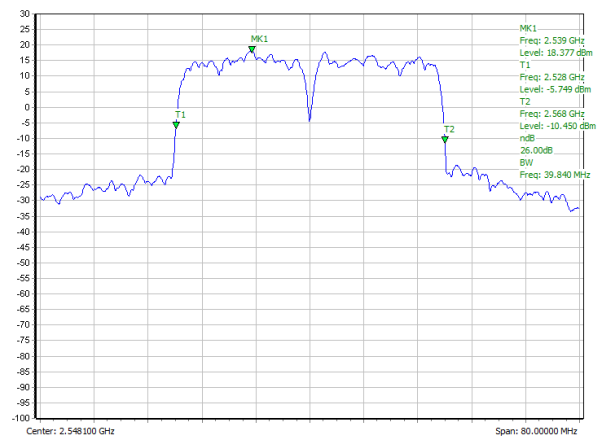
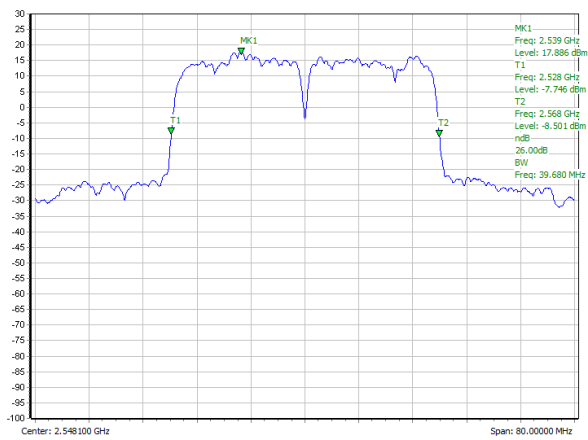
Middle Channel / 20MHz+20MHz

Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+20MHz

Highest Channel / 20MHz+20MHz





Occupied Bandwidth

Mode	LTE Band 41 CA Low Band TX0 : 99%OBW(MHz)	
	20MHz+20MHz	
Modulation	QPSK	16QAM
Lowest CH	37.76	37.60
Middle CH	37.84	37.68
Highest CH	37.44	37.44



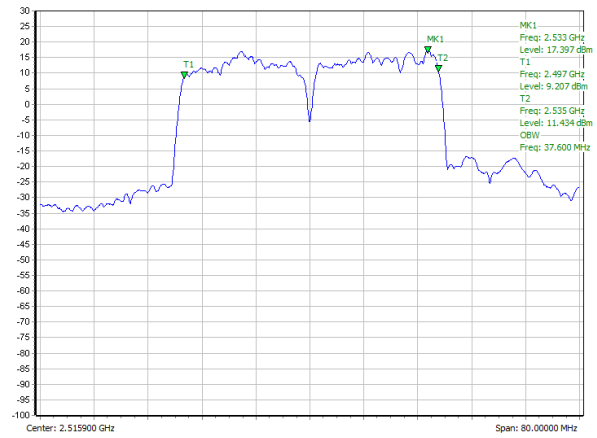
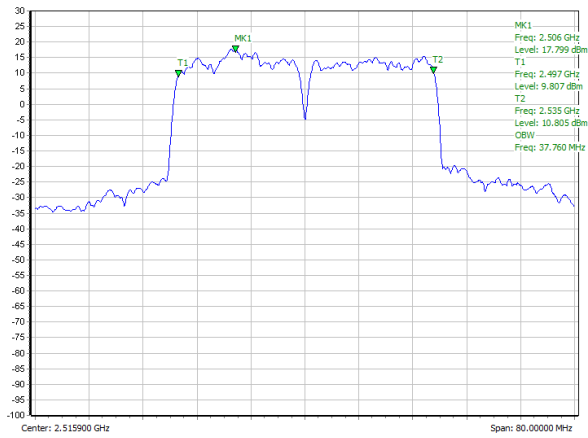
LTE Band 41 CA Low Band TX0

QPSK

16QAM

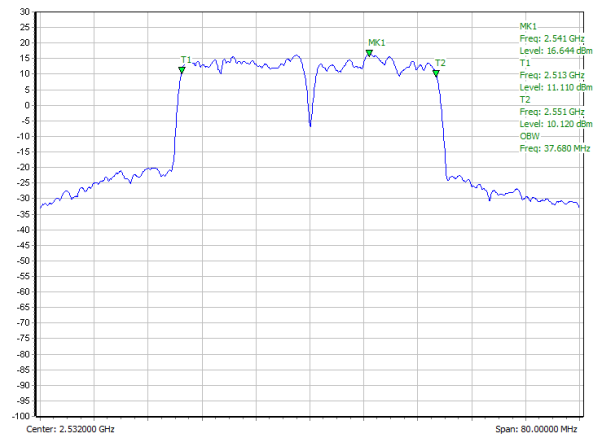
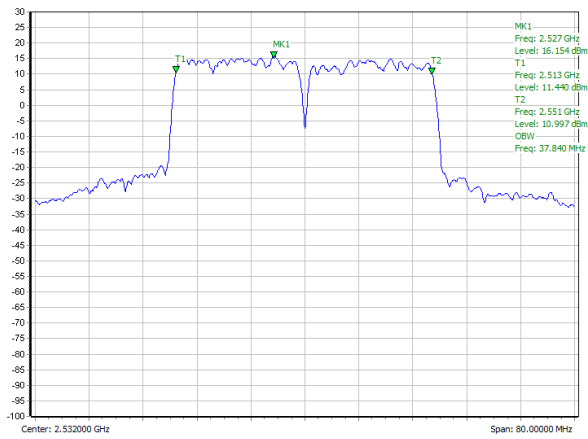
Lowest Channel / 20MHz+20MHz

Lowest Channel / 20MHz+20MHz



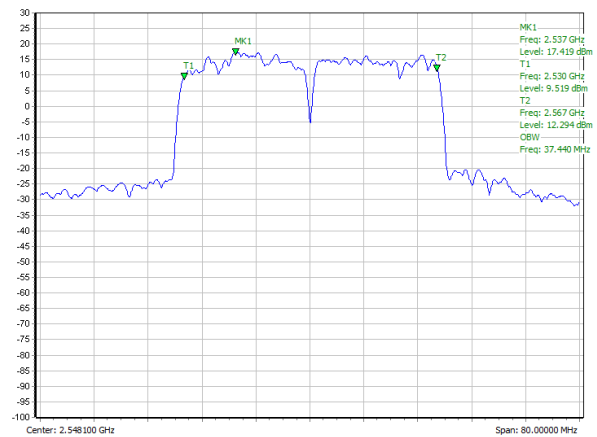
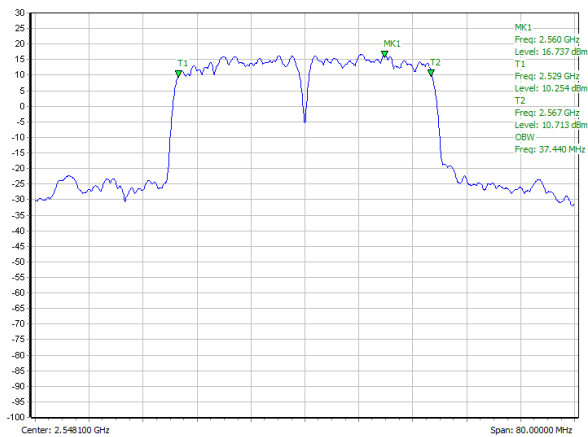
Middle Channel / 20MHz+20MHz

Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+20MHz

Highest Channel / 20MHz+20MHz





Conducted Band Edge

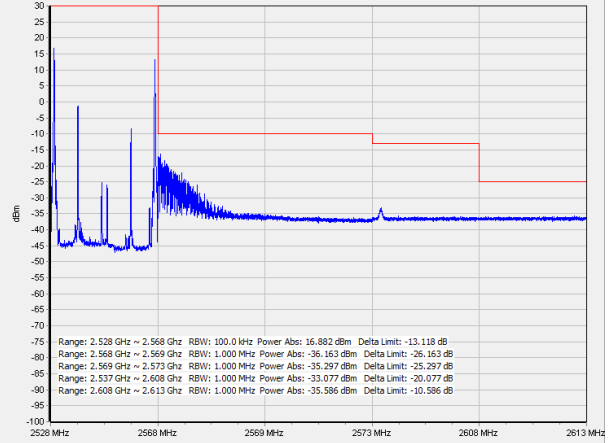
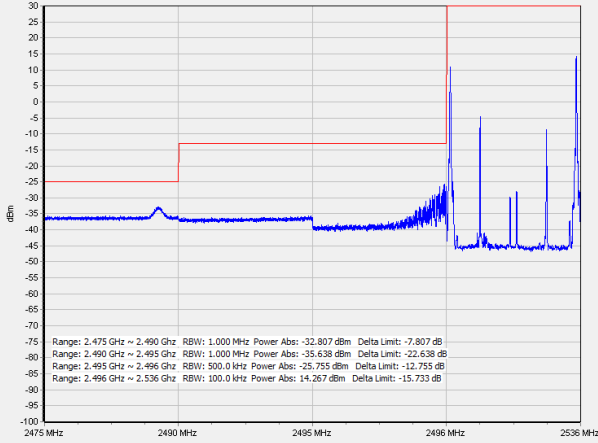


LTE Band 41 CA Low Band TX0 / 20MHz+20MHz

QPSK

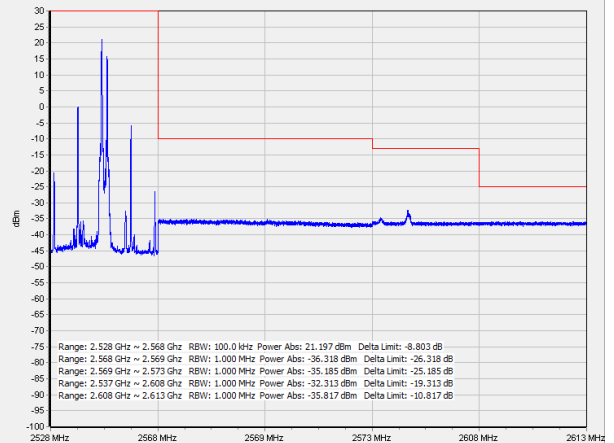
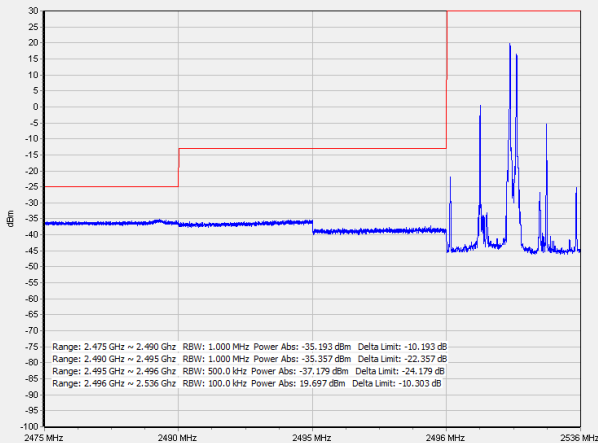
Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99



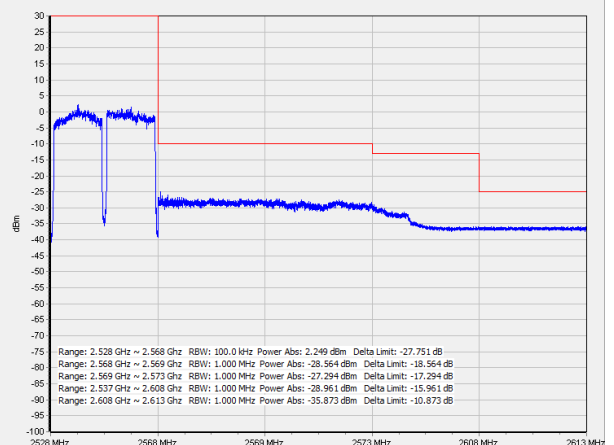
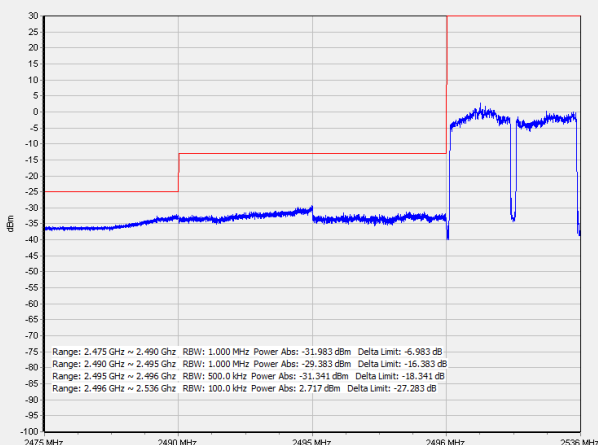
Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



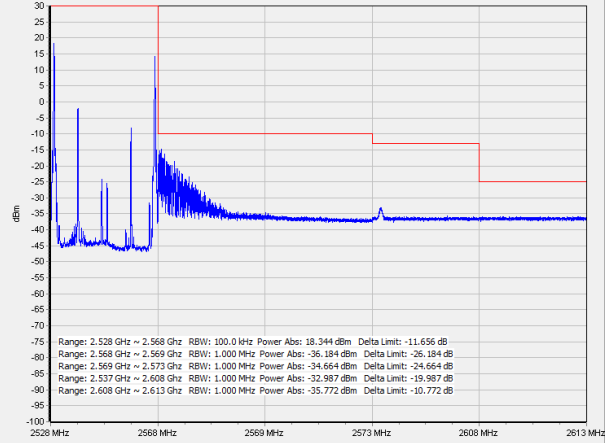
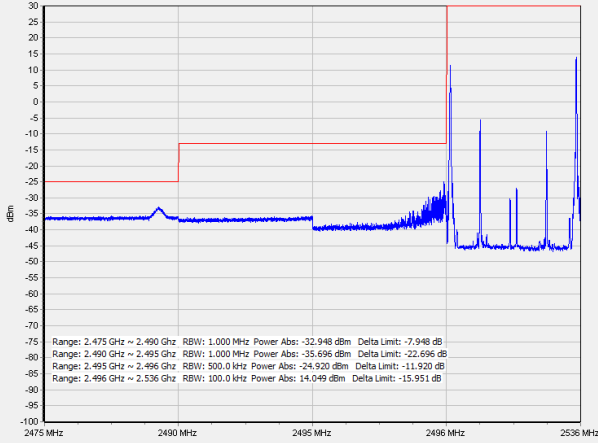


LTE Band 41 CA Low Band TX0 / 20MHz+20MHz

16QAM

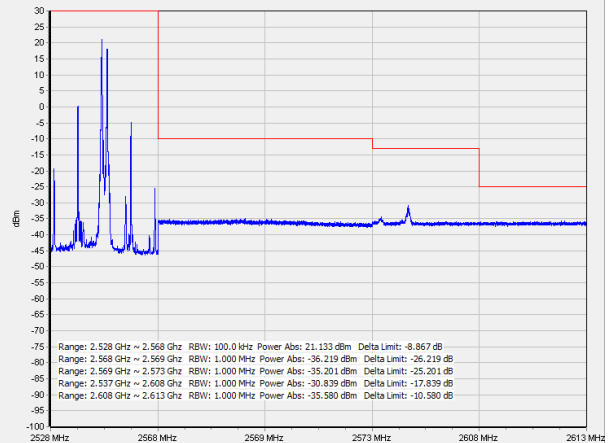
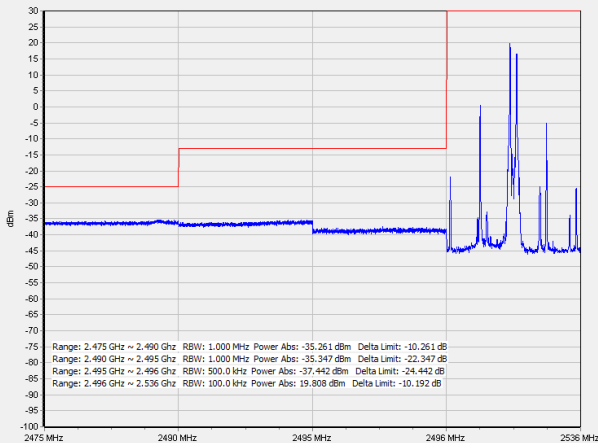
Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9



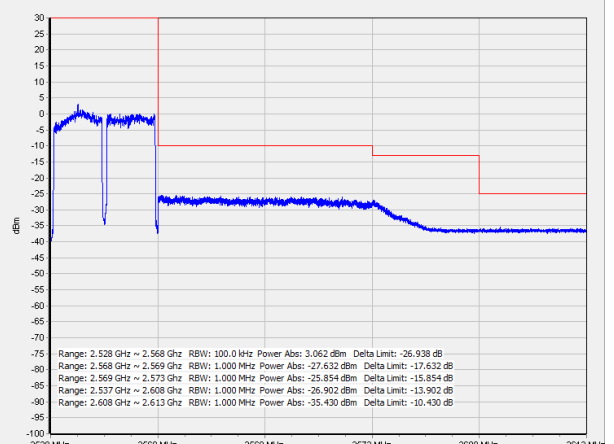
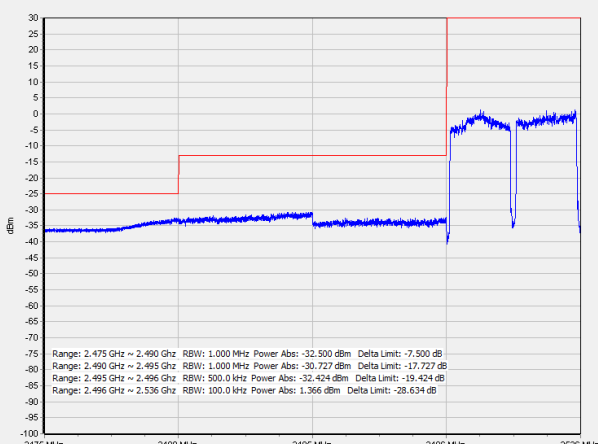
Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB





Conducted Spurious Emission

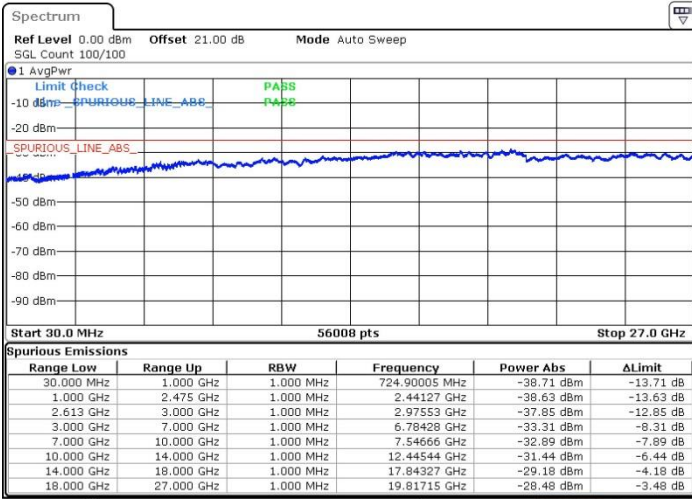


LTE Band 41 CA Low Band TX0 / 20MHz+20MHz

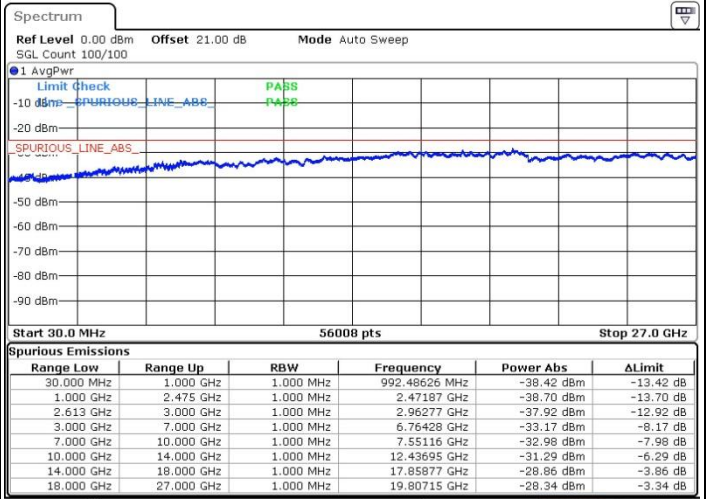
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



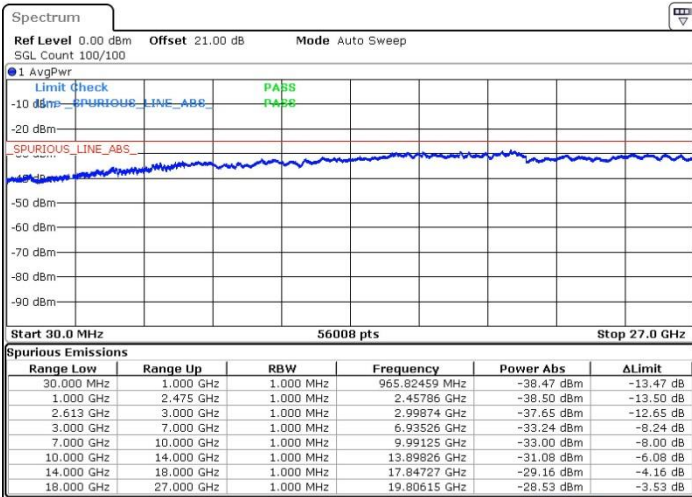
Date: 31 DEC.2018 12:47:23



Date: 31 DEC.2018 12:51:03

Lowest Channel / FullIRB

N/A



Date: 31 DEC.2018 12:53:57

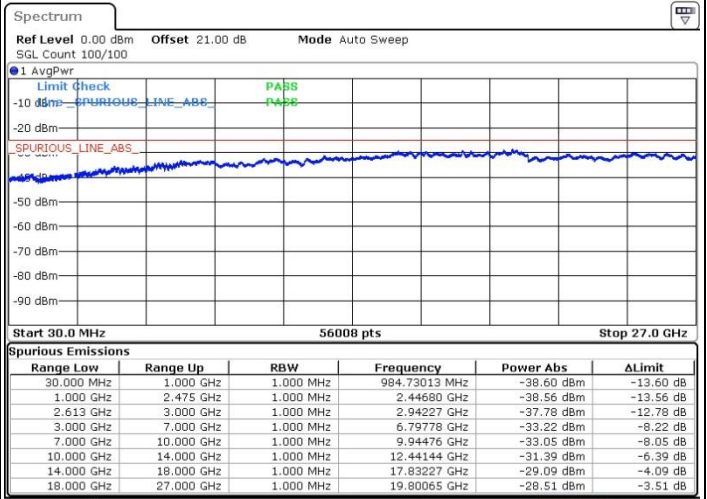
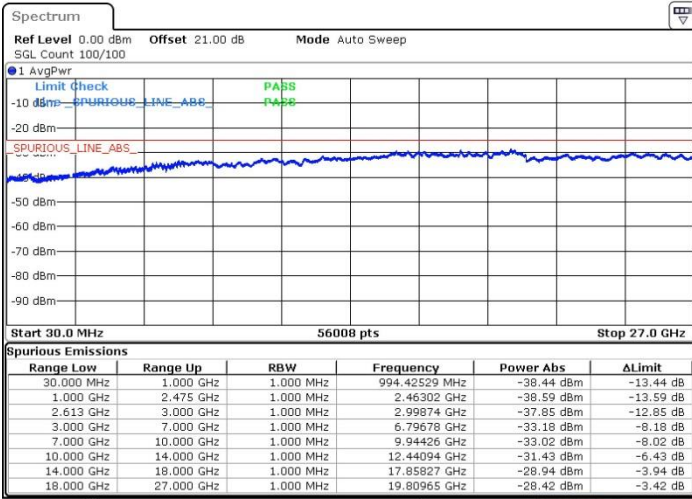


LTE Band 41 CA Low Band TX0 / 20MHz+20MHz

QPSK

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0

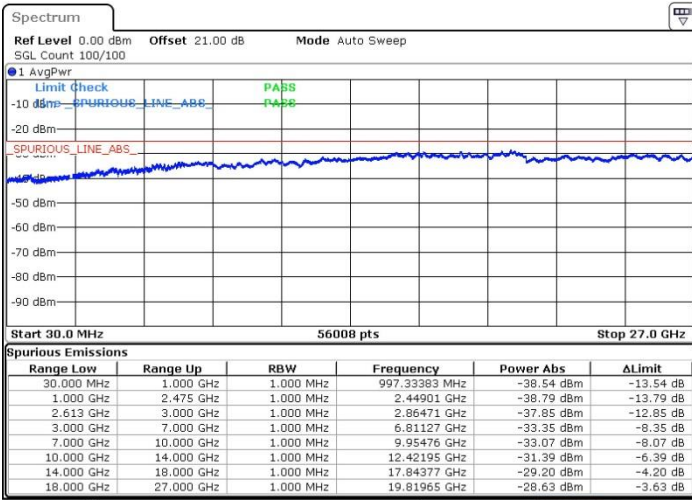


Date: 31 DEC.2018 15:27:44

Date: 31 DEC.2018 15:30:58

Middle Channel / FullIRB

N/A



Date: 31 DEC.2018 15:28:17

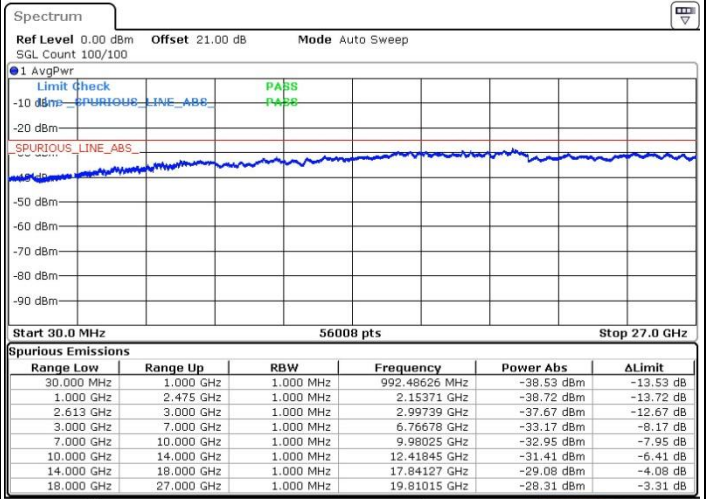
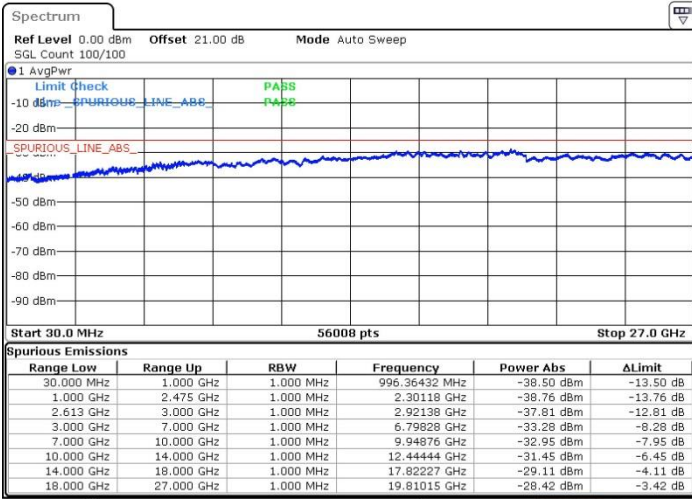


LTE Band 41 CA Low Band TX0 / 20MHz+20MHz

QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0

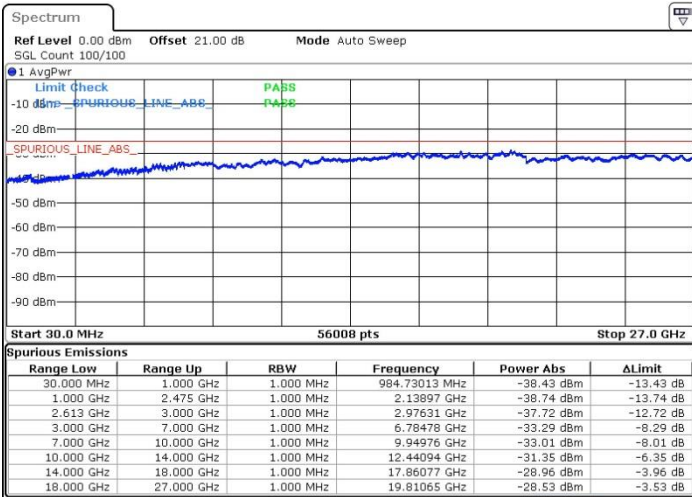


Date: 31 DEC.2018 15:58:50

Date: 31 DEC.2018 16:10:33

Highest Channel / FullIRB

N/A



Date: 31 DEC.2018 15:48:28

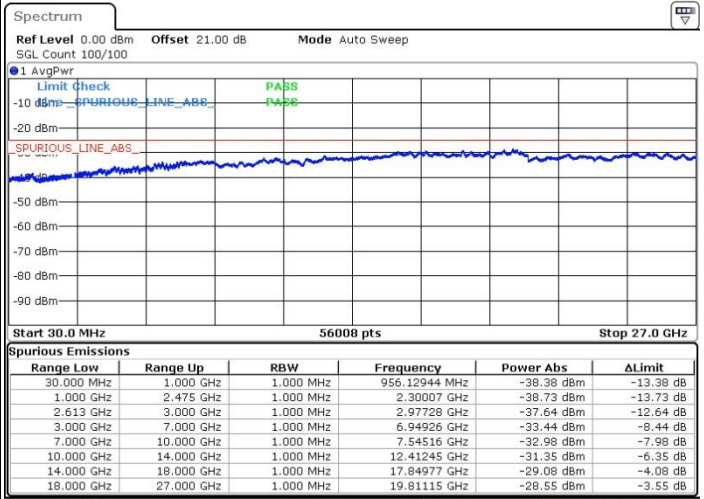
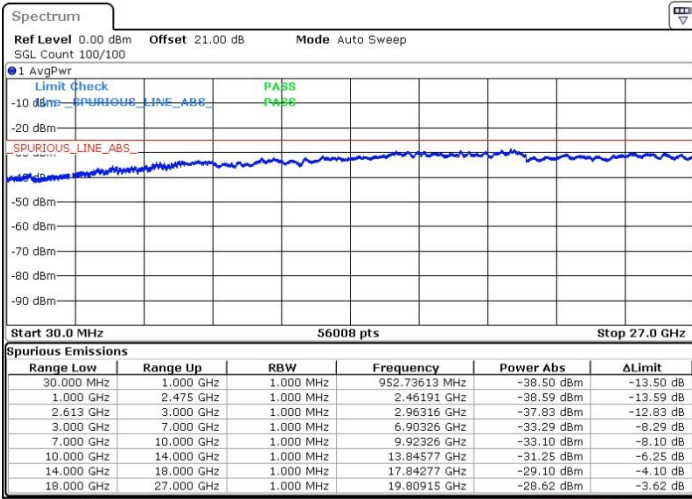


LTE Band 41 CA Low Band TX0 / 20MHz+20MHz

16QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0

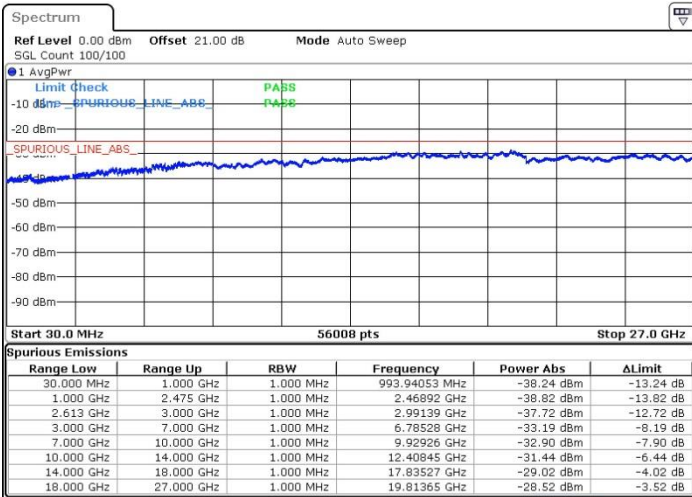


Date: 31 DEC.2018 12:45:29

Date: 31 DEC.2018 12:52:09

Lowest Channel / FullIRB

N/A



Date: 31 DEC.2018 12:55:10

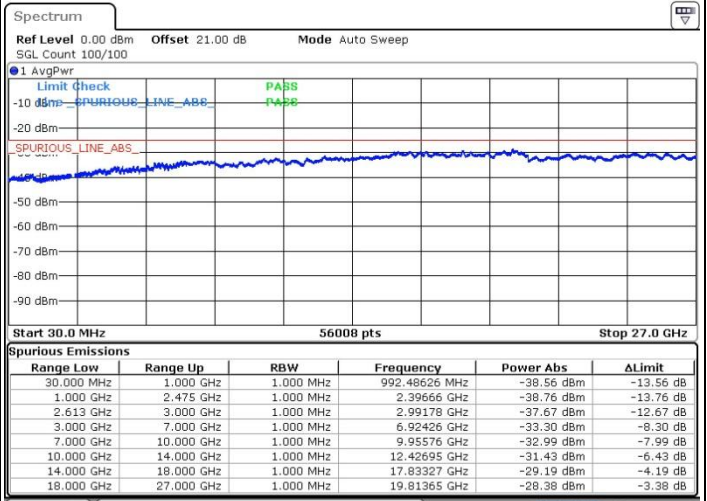
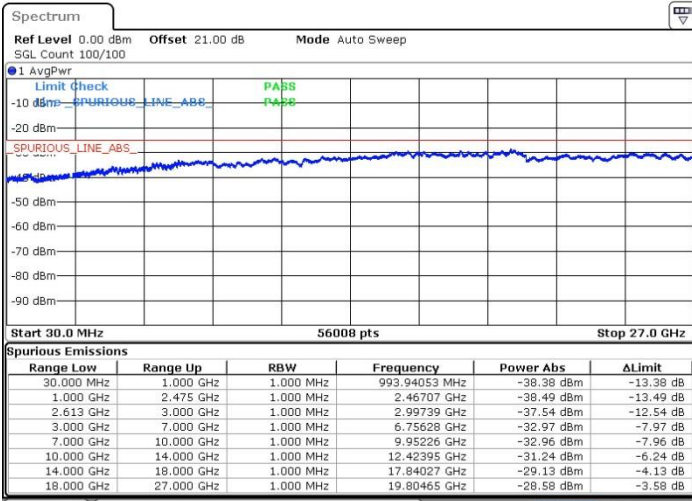


LTE Band 41 CA Low Band TX0 / 20MHz+20MHz

16QAM

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0

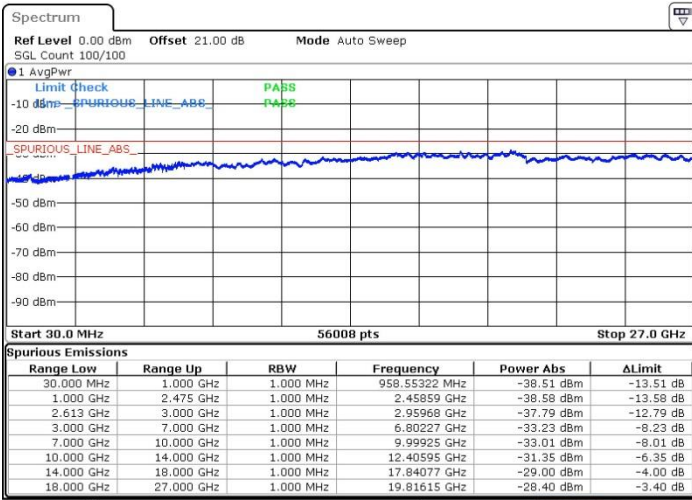


Date: 31 DEC.2018 15:28:33

Date: 31 DEC.2018 15:29:50

Middle Channel / FullIRB

N/A



Date: 31 DEC.2018 15:25:21