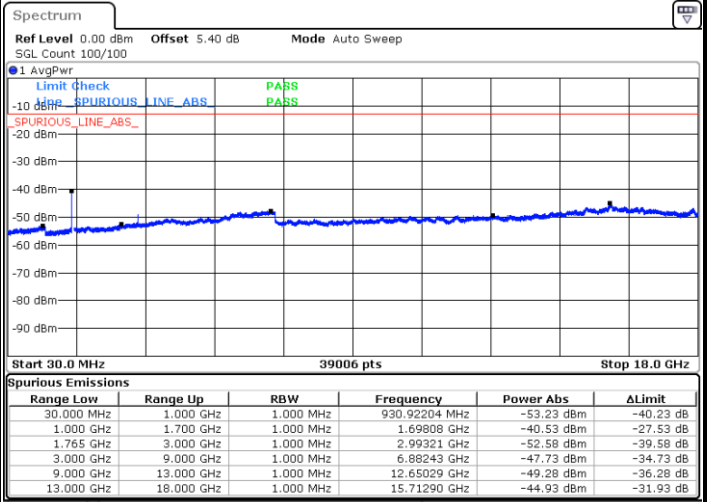
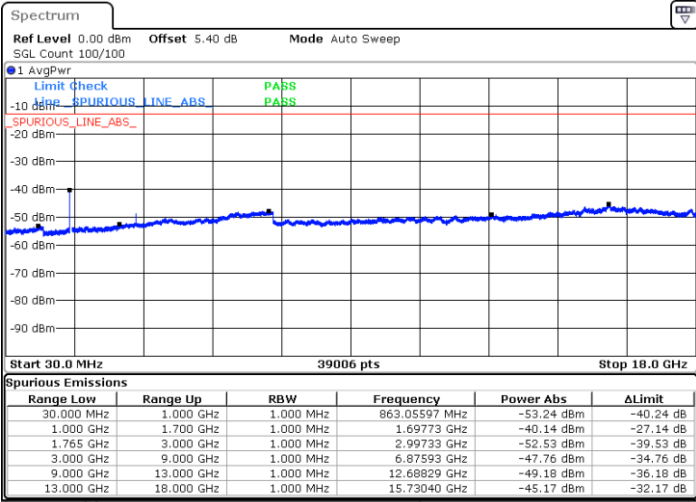




LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

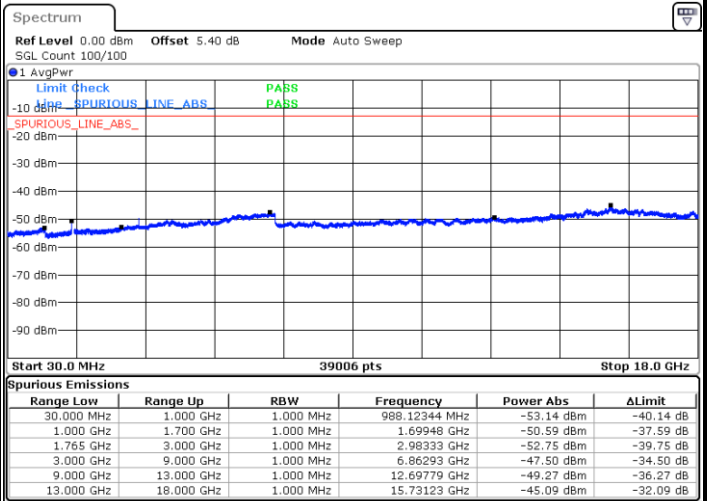
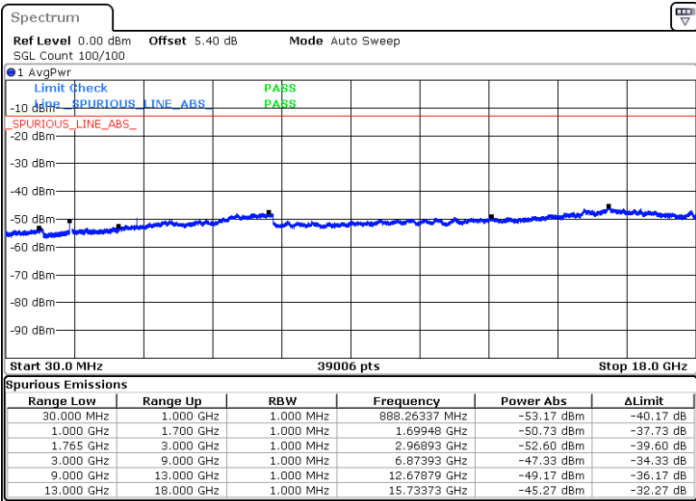


Date: 6 DEC.2019 07:53:31

Date: 6 DEC.2019 07:54:26

Middle Channel / QPSK

Middle Channel / 16QAM



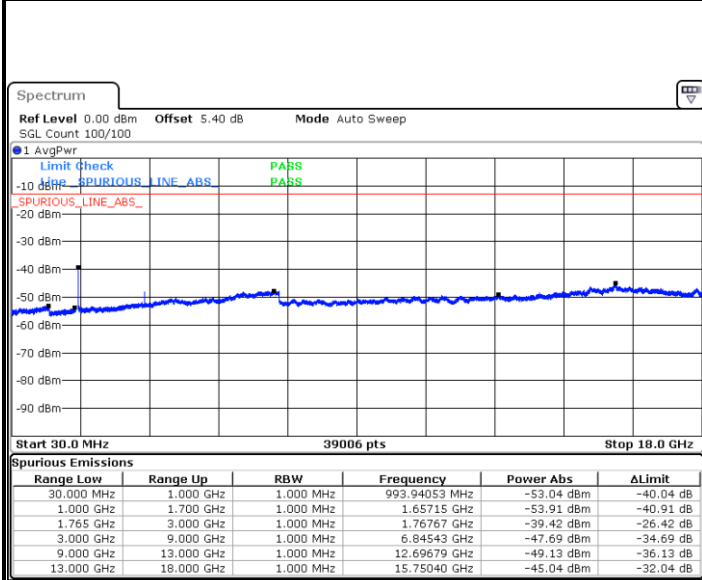
Date: 6 DEC.2019 07:56:01

Date: 6 DEC.2019 07:56:55



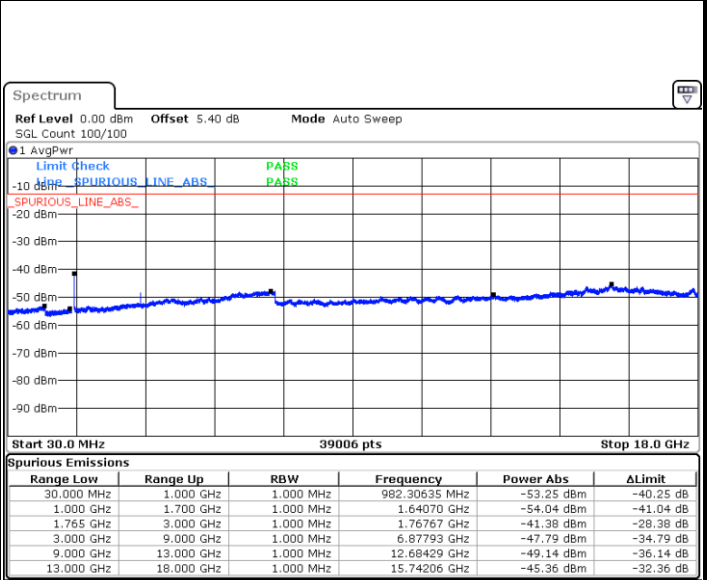
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 6 DEC.2019 08:03:00

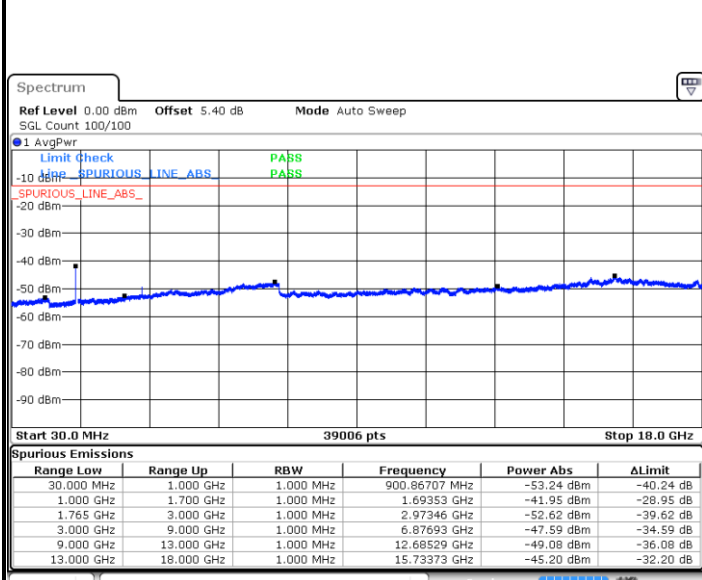
Highest Channel / 16QAM



Date: 6 DEC.2019 08:03:54

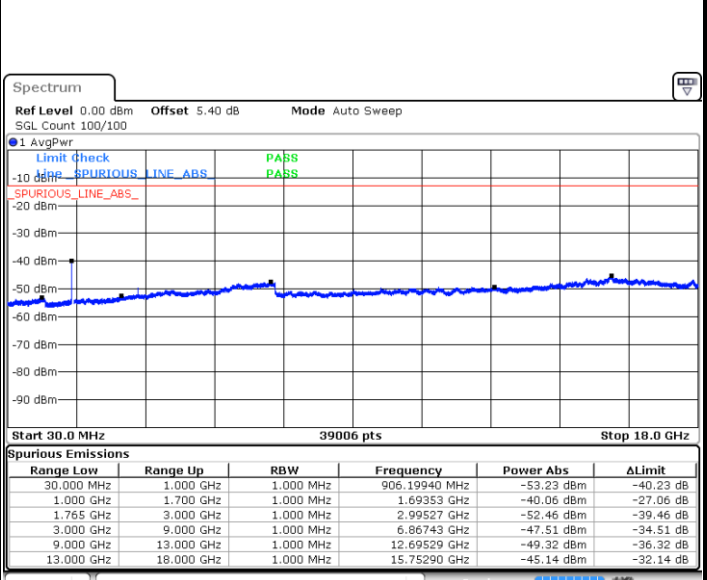
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 6 DEC.2019 08:09:59

Lowest Channel / 16QAM



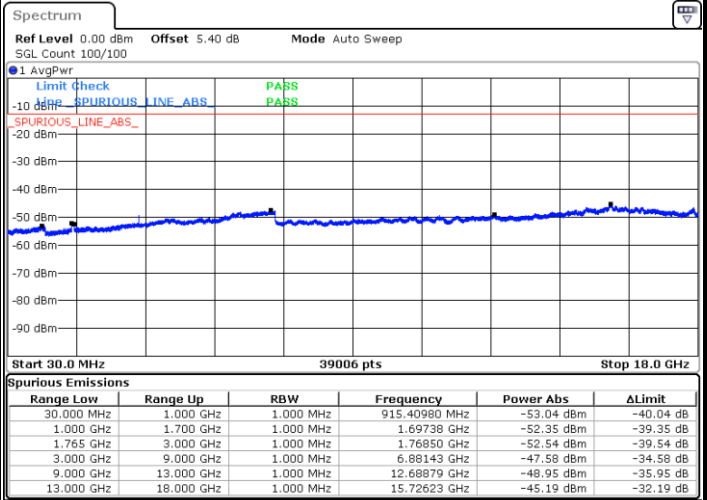
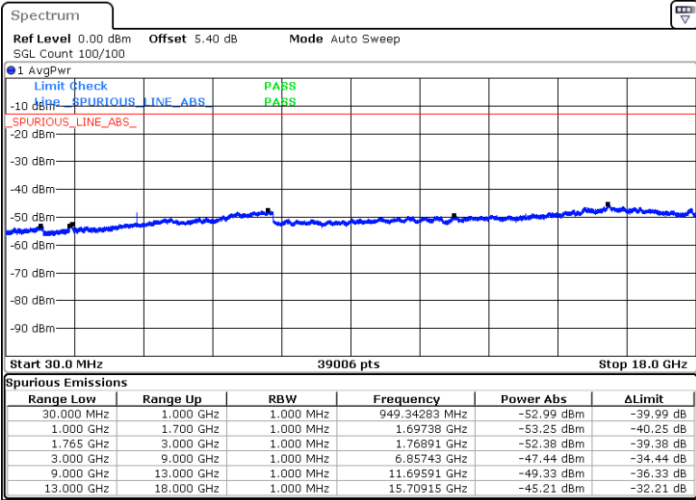
Date: 6 DEC.2019 08:10:53



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

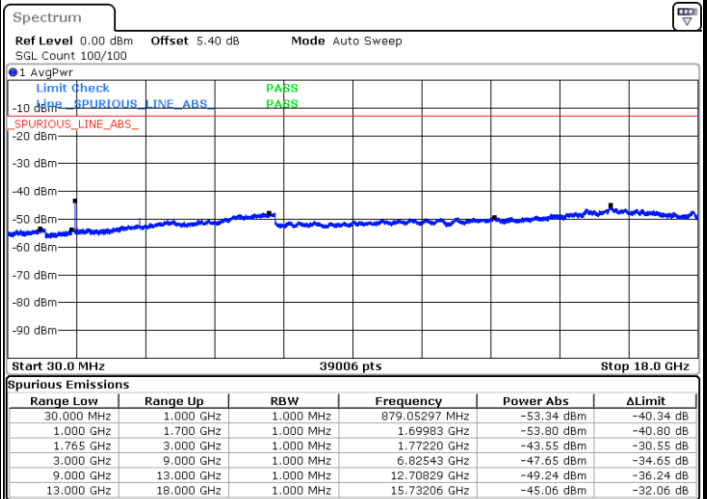
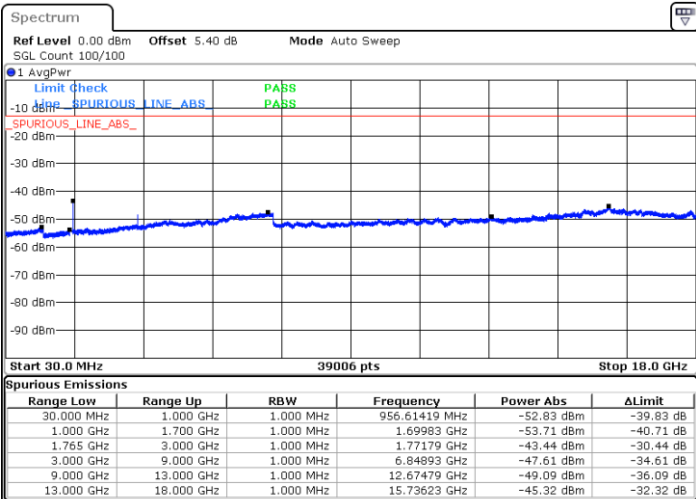


Date: 6 DEC.2019 08:12:28

Date: 6 DEC.2019 08:13:22

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 DEC.2019 08:19:26

Date: 6 DEC.2019 08:20:21



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0034	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

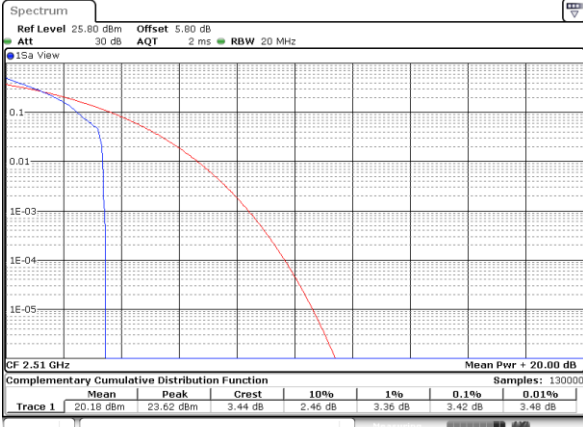
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.42	4.52	5.13	5.91	PASS
Middle CH	3.57	4.52	5.04	5.88	
Highest CH	3.51	4.70	4.75	5.91	



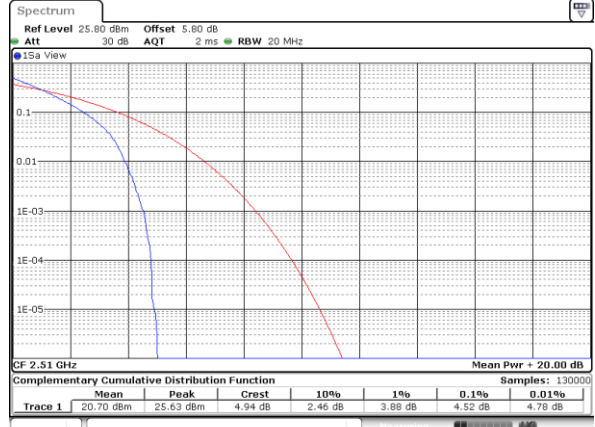
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



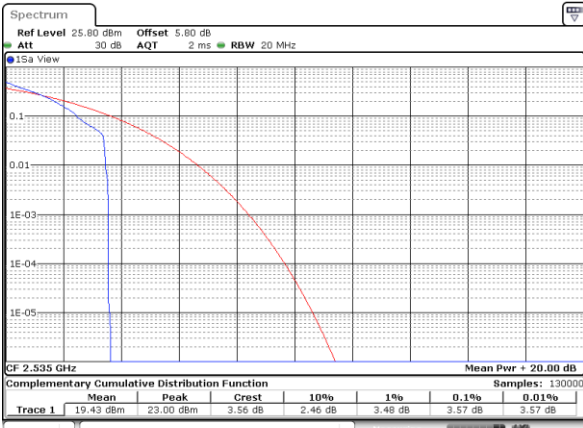
Date: 4 DEC 2019 15:29:10

Lowest Channel / Full RB



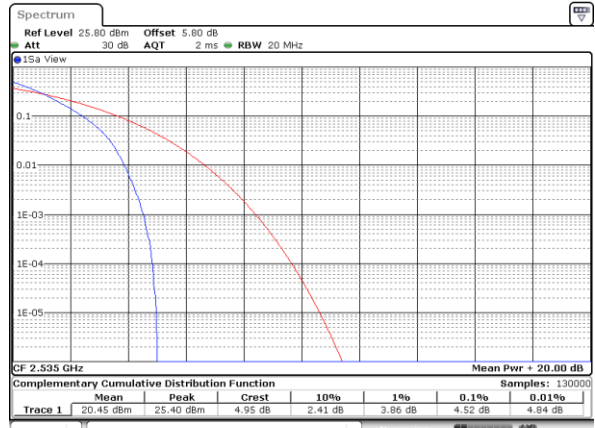
Date: 4 DEC 2019 15:29:20

Middle Channel / 1RB



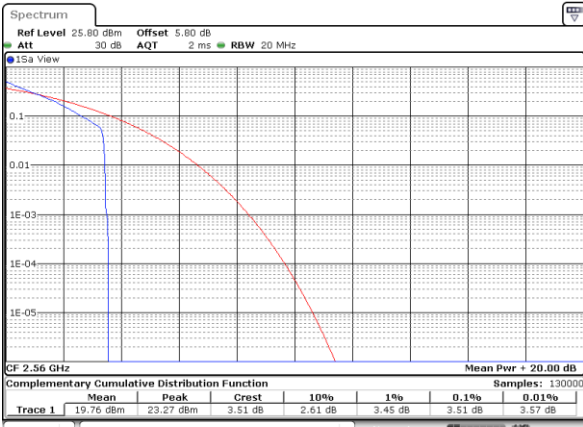
Date: 4 DEC 2019 15:29:56

Middle Channel / Full RB



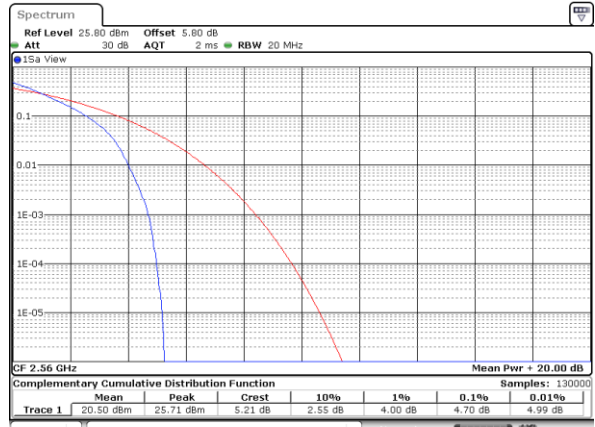
Date: 4 DEC 2019 15:29:47

Highest Channel / 1RB



Date: 4 DEC 2019 15:30:24

Highest Channel / Full RB



Date: 4 DEC 2019 15:30:34



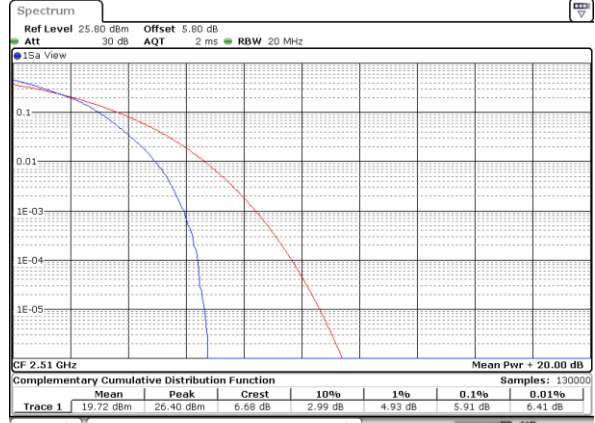
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



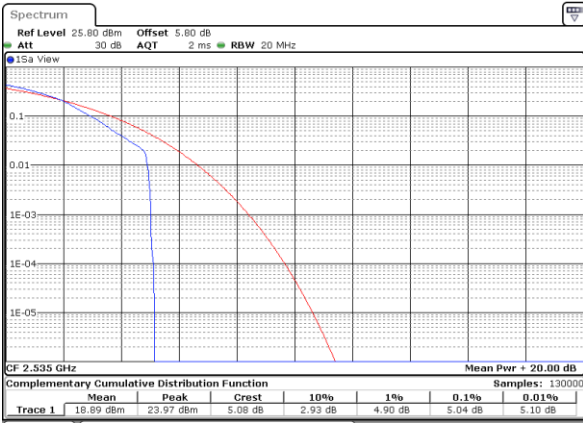
Date: 4 DEC 2019 15:29:01

Lowest Channel / Full RB



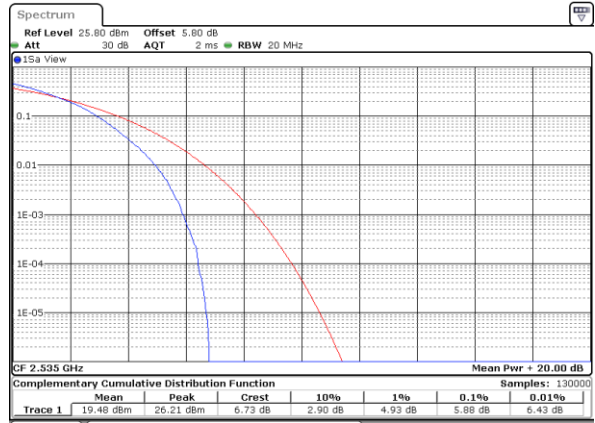
Date: 4 DEC 2019 15:29:29

Middle Channel / 1RB



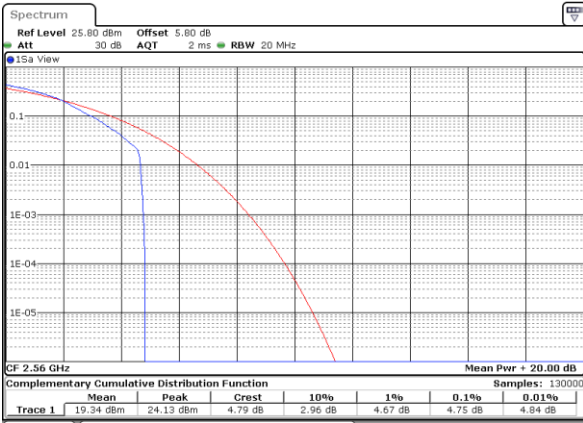
Date: 4 DEC 2019 15:30:05

Middle Channel / Full RB



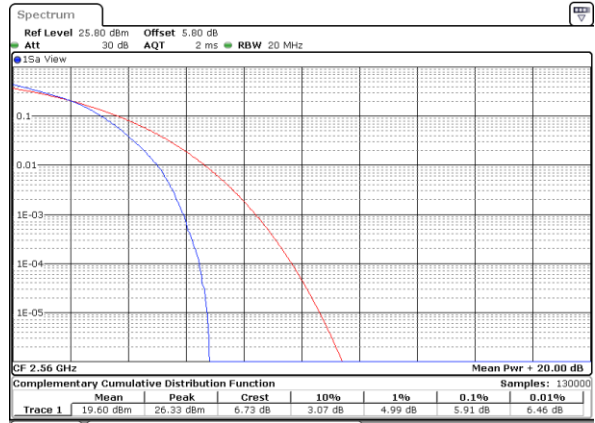
Date: 4 DEC 2019 15:29:38

Highest Channel / 1RB



Date: 4 DEC 2019 15:30:14

Highest Channel / Full RB



Date: 4 DEC 2019 15:30:43



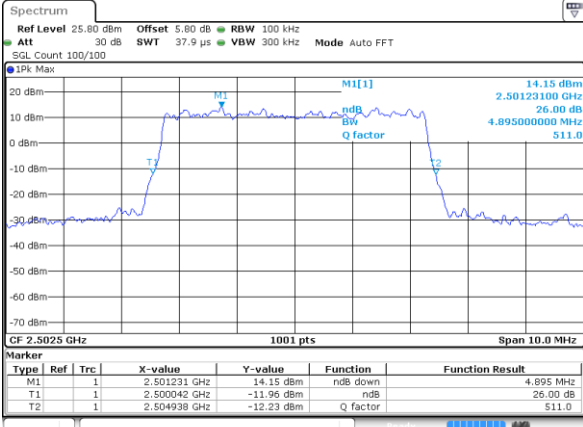
26dB Bandwidth

Mode												
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	4.895	4.965	9.77	9.71	14.236	14.236	20.1	20.1				
Middle CH	4.985	4.925	9.79	9.79	14.565	14.176	20.14	20.14				
Highest CH	4.915	4.825	9.89	9.73	14.206	14.296	20.1	20.3				



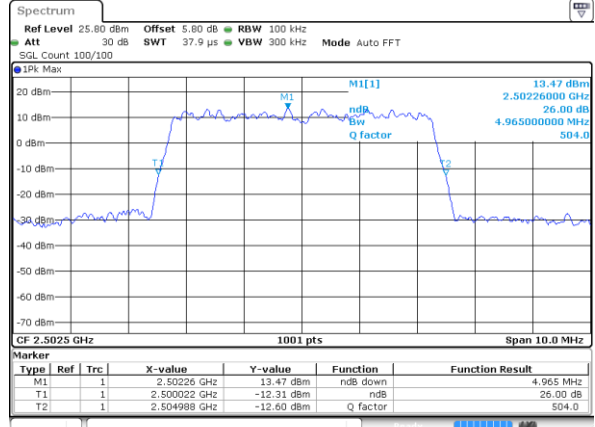
LTE Band 7

Lowest Channel / 5MHz / QPSK



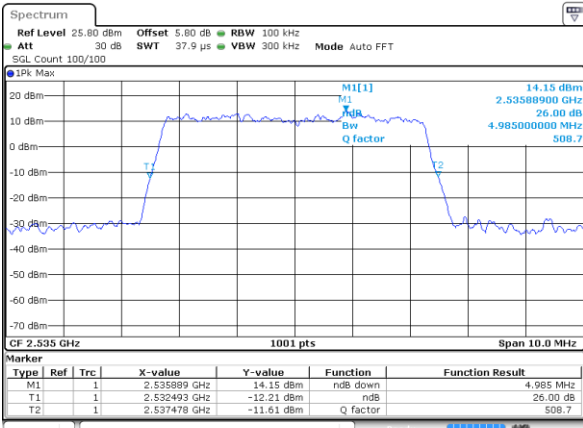
Date: 4 DEC 2019 11:26:37

Lowest Channel / 5MHz / 16QAM



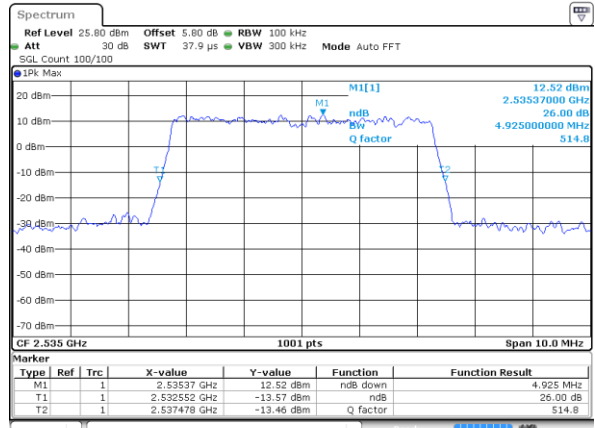
Date: 4 DEC 2019 11:26:57

Middle Channel / 5MHz / QPSK



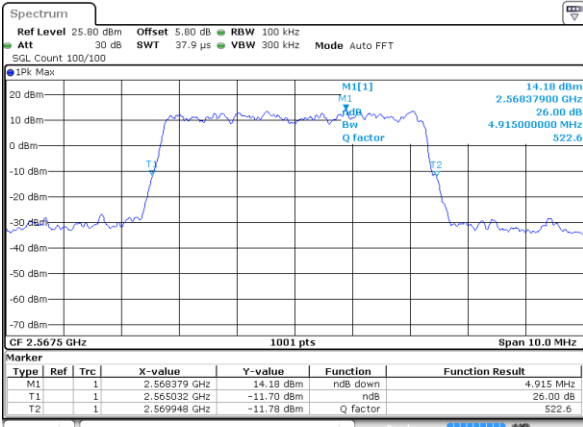
Date: 4 DEC 2019 11:27:36

Middle Channel / 5MHz / 16QAM



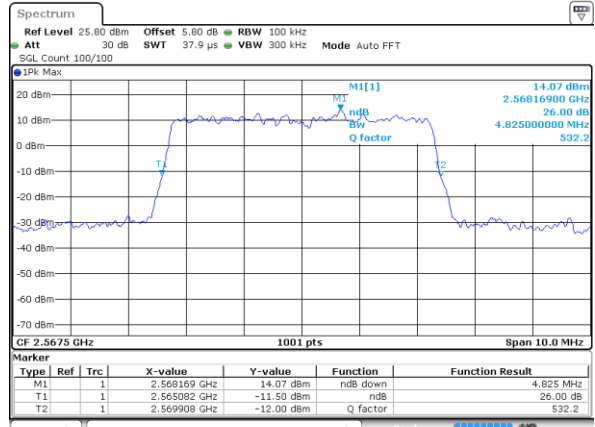
Date: 4 DEC 2019 11:27:16

Highest Channel / 5MHz / QPSK



Date: 4 DEC 2019 11:27:56

Highest Channel / 5MHz / 16QAM

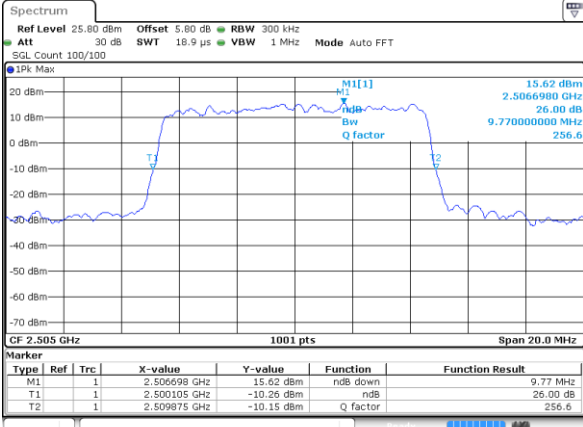


Date: 4 DEC 2019 11:28:16



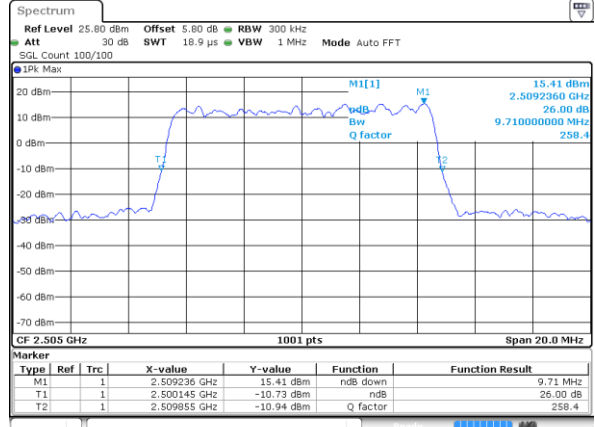
LTE Band 7

Lowest Channel / 10MHz / QPSK



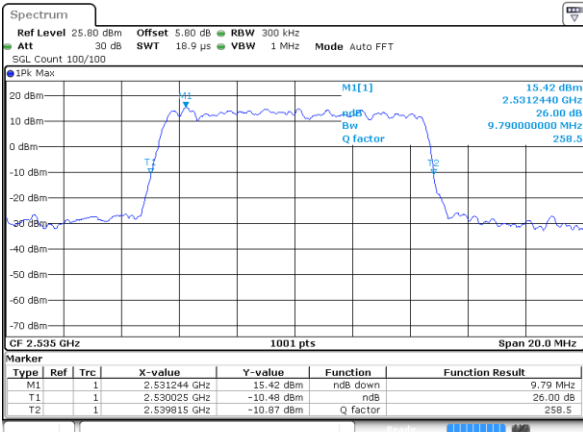
Date: 4 DEC 2019 11:43:07

Lowest Channel / 10MHz / 16QAM



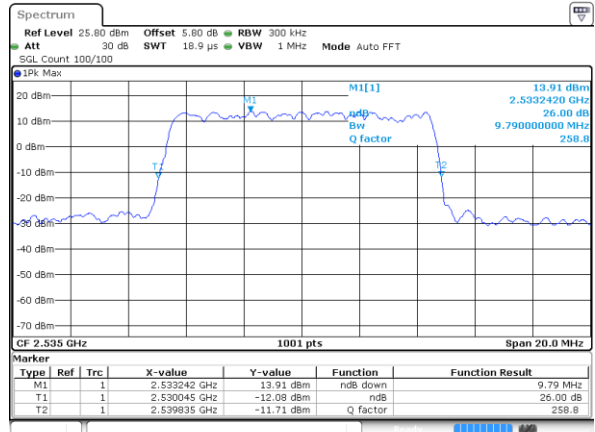
Date: 4 DEC 2019 11:43:27

Middle Channel / 10MHz / QPSK



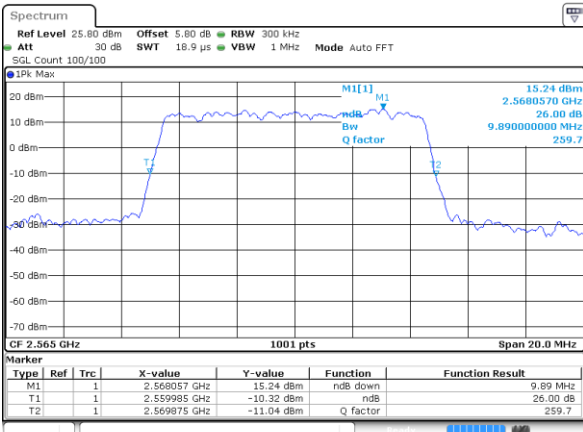
Date: 4 DEC 2019 11:44:07

Middle Channel / 10MHz / 16QAM



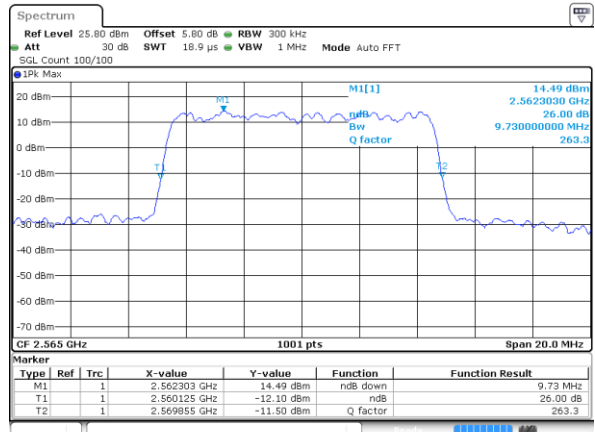
Date: 4 DEC 2019 11:43:47

Highest Channel / 10MHz / QPSK



Date: 4 DEC 2019 11:44:27

Highest Channel / 10MHz / 16QAM

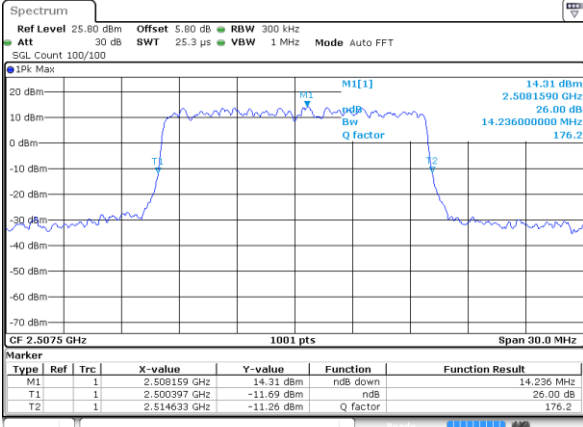


Date: 4 DEC 2019 11:44:47



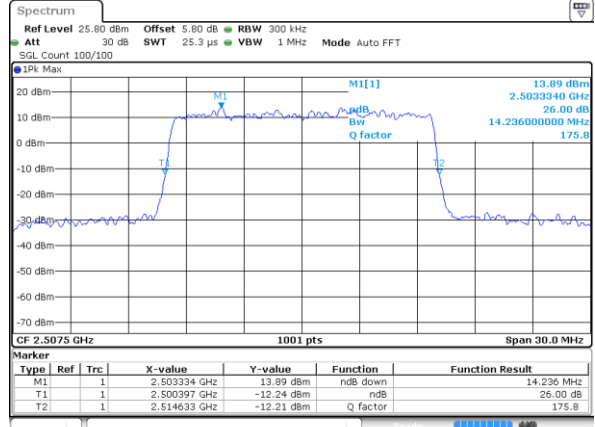
LTE Band 7

Lowest Channel / 15MHz / QPSK



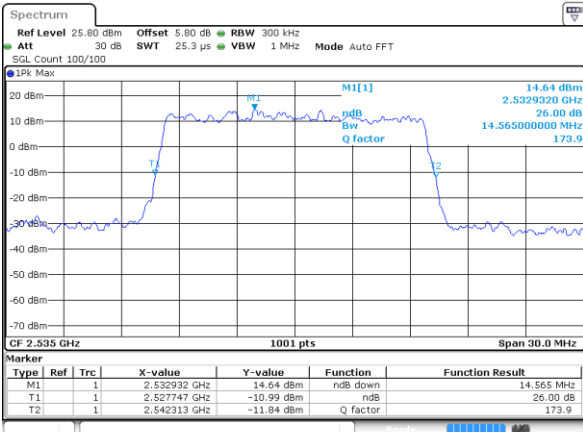
Date: 4 DEC 2019 11:59:57

Lowest Channel / 15MHz / 16QAM



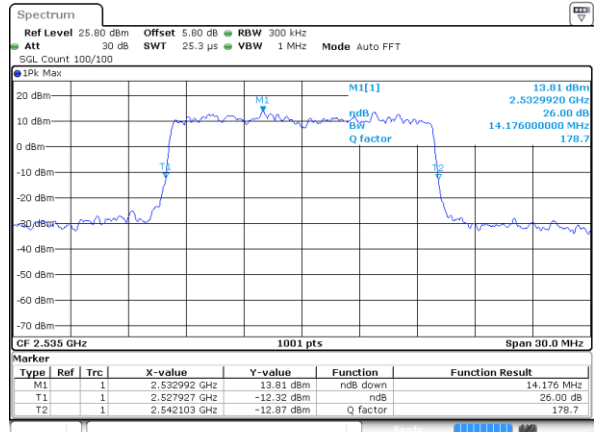
Date: 4 DEC 2019 11:59:37

Middle Channel / 15MHz / QPSK



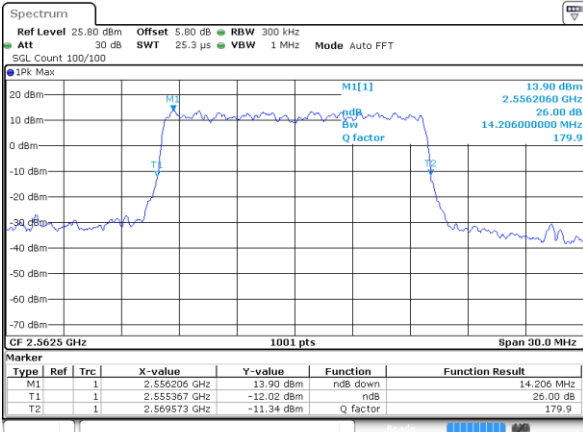
Date: 4 DEC 2019 12:00:17

Middle Channel / 15MHz / 16QAM



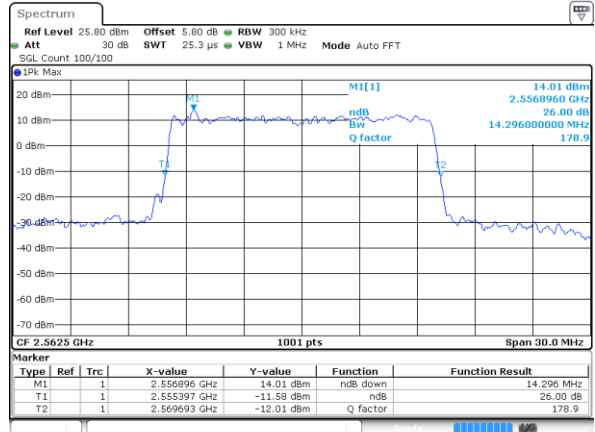
Date: 4 DEC 2019 12:00:36

Highest Channel / 15MHz / QPSK



Date: 4 DEC 2019 12:01:16

Highest Channel / 15MHz / 16QAM

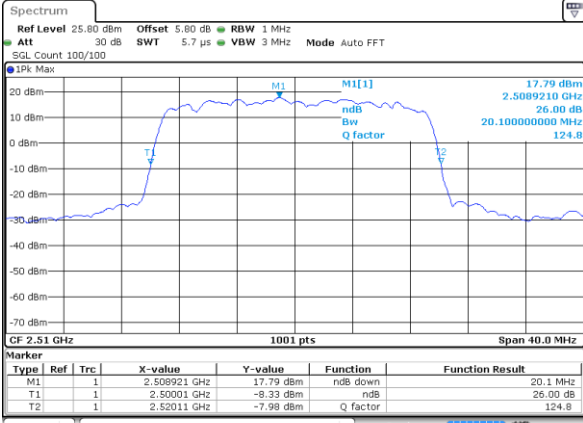


Date: 4 DEC 2019 12:00:56



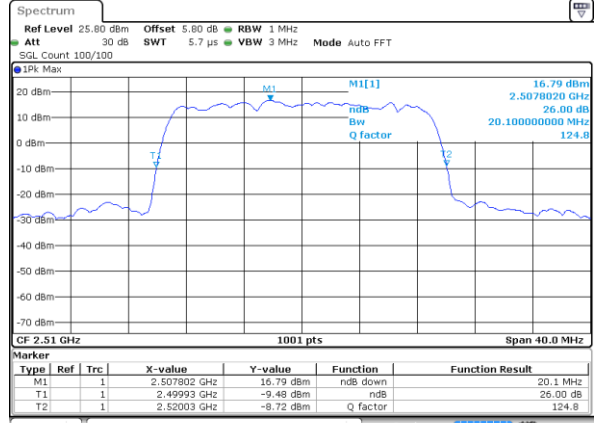
LTE Band 7

Lowest Channel / 20MHz / QPSK



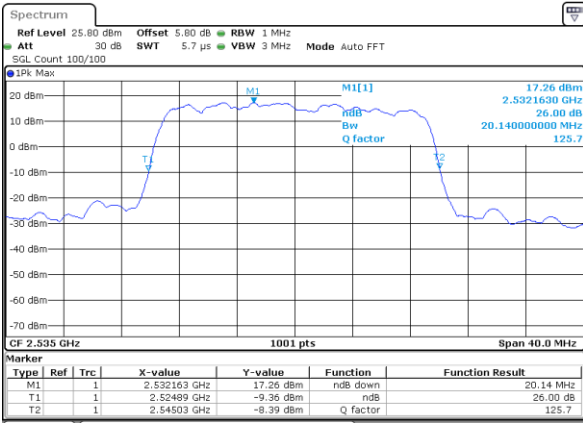
Date: 4 DEC 2019 15:13:02

Lowest Channel / 20MHz / 16QAM



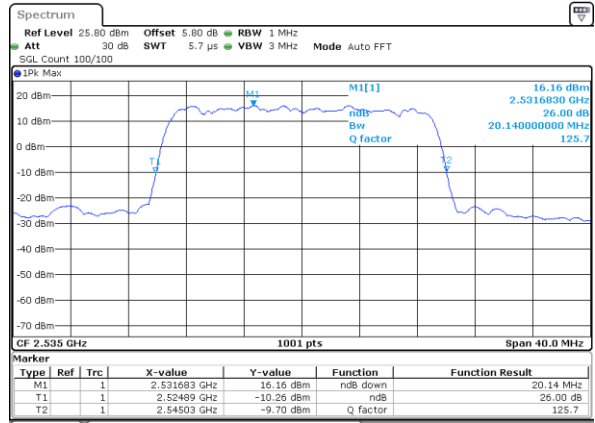
Date: 4 DEC 2019 15:12:42

Middle Channel / 20MHz / QPSK



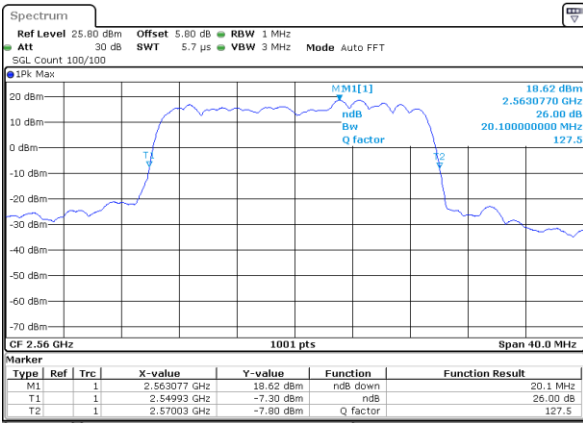
Date: 4 DEC 2019 15:13:22

Middle Channel / 20MHz / 16QAM



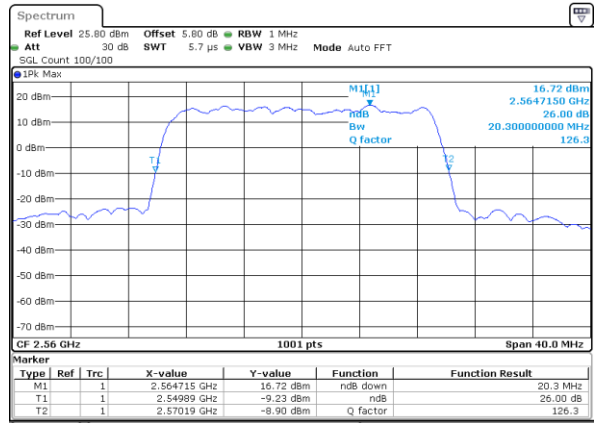
Date: 4 DEC 2019 15:13:42

Highest Channel / 20MHz / QPSK



Date: 4 DEC 2019 15:14:22

Highest Channel / 20MHz / 16QAM



Date: 4 DEC 2019 15:14:02



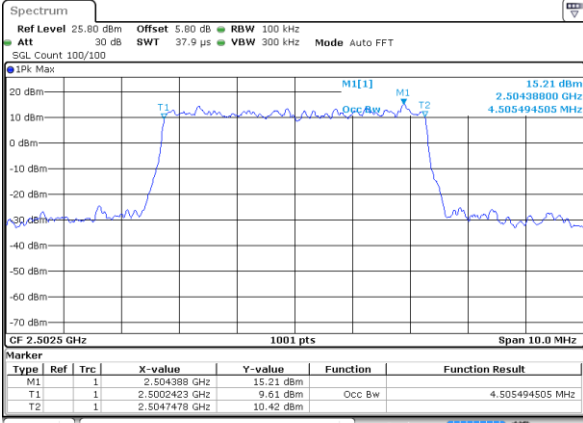
Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)											
	5MHz		10MHz		15MHz		20MHz					
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	4.51	4.50	9.07	9.03	13.43	13.40	18.34	18.18				
Middle CH	4.51	4.50	9.09	8.99	13.46	13.43	18.38	18.38				
Highest CH	4.48	4.49	9.05	9.01	13.40	13.46	18.26	18.38				



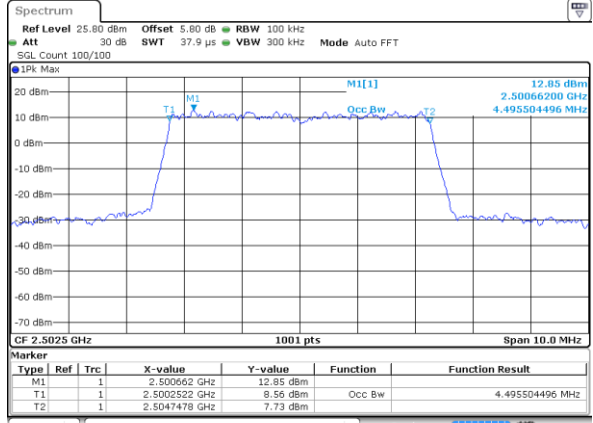
LTE Band 7

Lowest Channel / 5MHz / QPSK



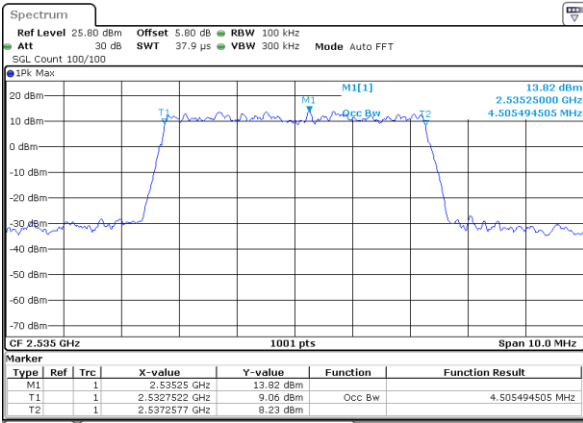
Date: 4 DEC 2019 11:26:27

Lowest Channel / 5MHz / 16QAM



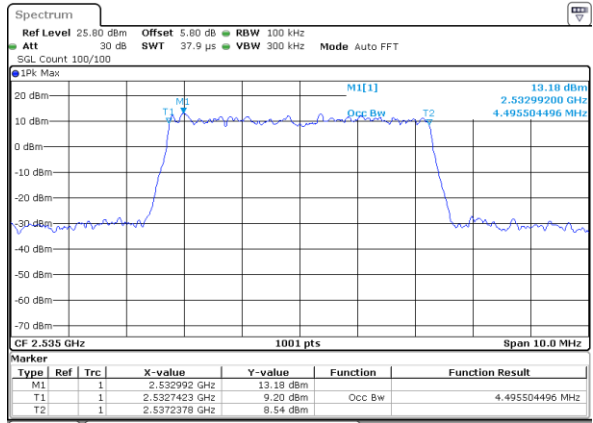
Date: 4 DEC 2019 11:26:47

Middle Channel / 5MHz / QPSK



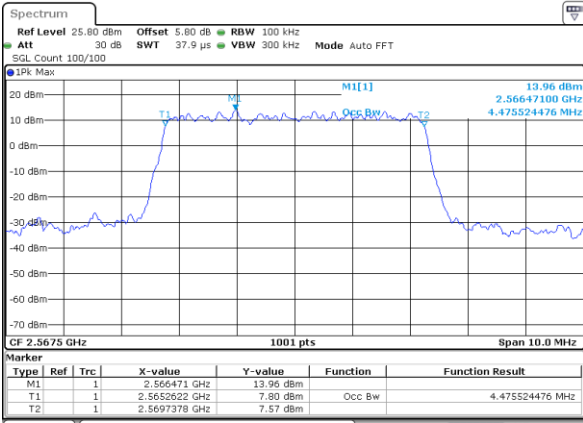
Date: 4 DEC 2019 11:27:26

Middle Channel / 5MHz / 16QAM



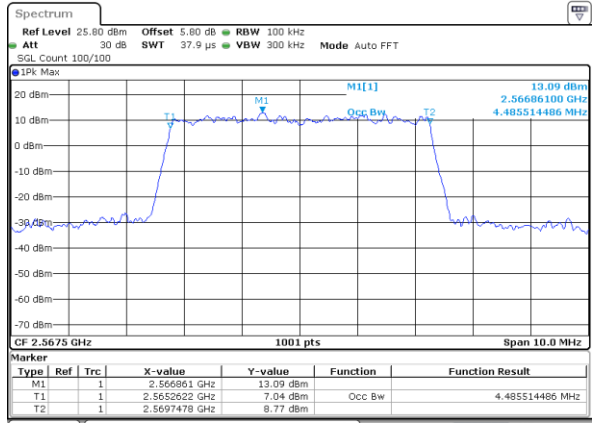
Date: 4 DEC 2019 11:27:06

Highest Channel / 5MHz / QPSK



Date: 4 DEC 2019 11:27:46

Highest Channel / 5MHz / 16QAM

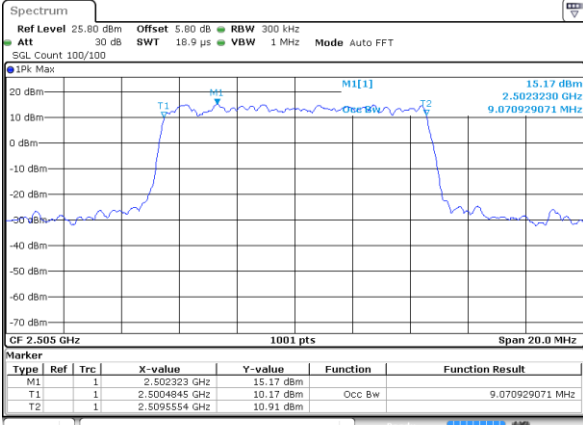


Date: 4 DEC 2019 11:28:06



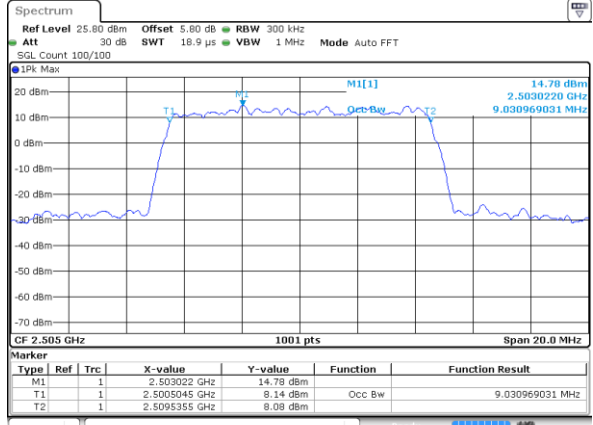
LTE Band 7

Lowest Channel / 10MHz / QPSK



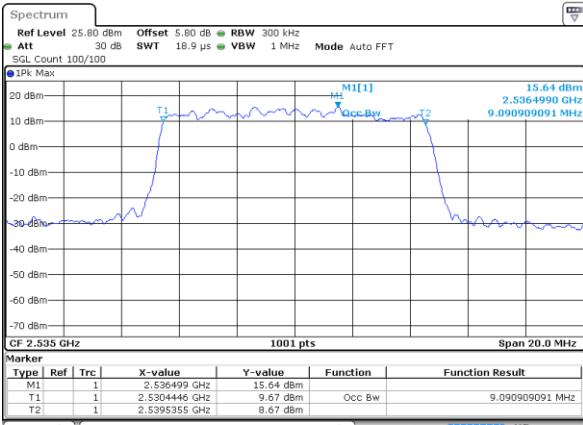
Date: 4 DEC 2019 11:42:57

Lowest Channel / 10MHz / 16QAM



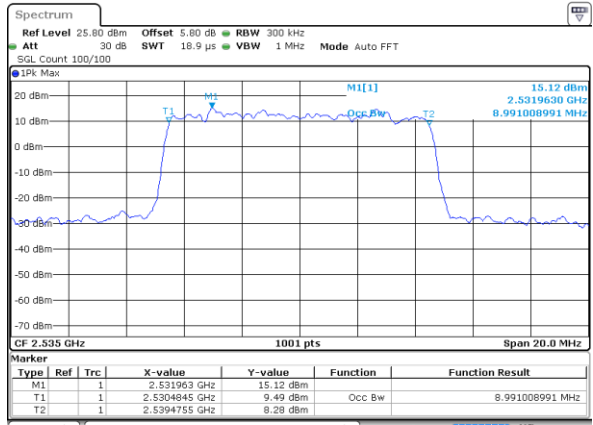
Date: 4 DEC 2019 11:43:17

Middle Channel / 10MHz / QPSK



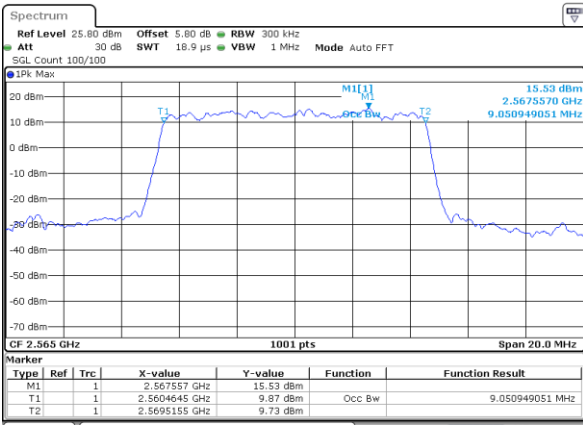
Date: 4 DEC 2019 11:43:57

Middle Channel / 10MHz / 16QAM



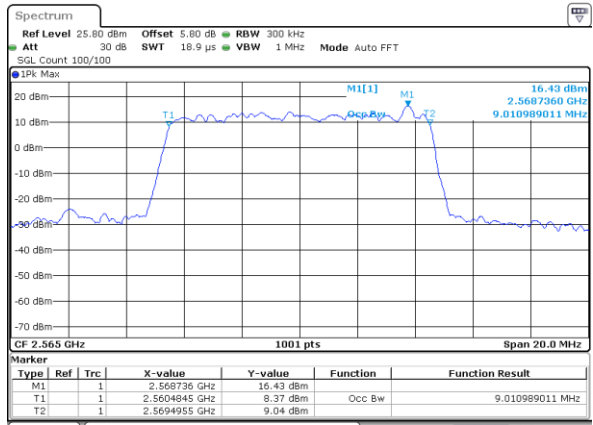
Date: 4 DEC 2019 11:43:37

Highest Channel / 10MHz / QPSK



Date: 4 DEC 2019 11:44:17

Highest Channel / 10MHz / 16QAM

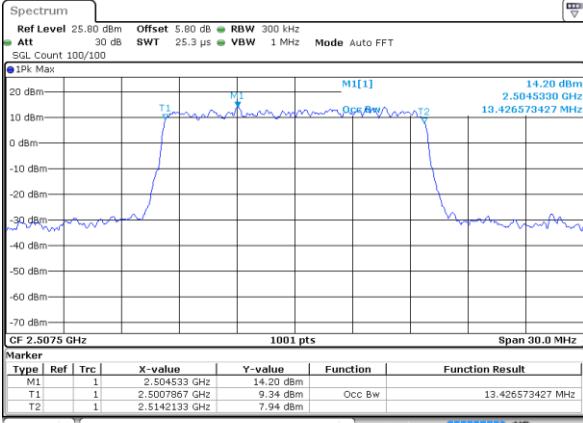


Date: 4 DEC 2019 11:44:37



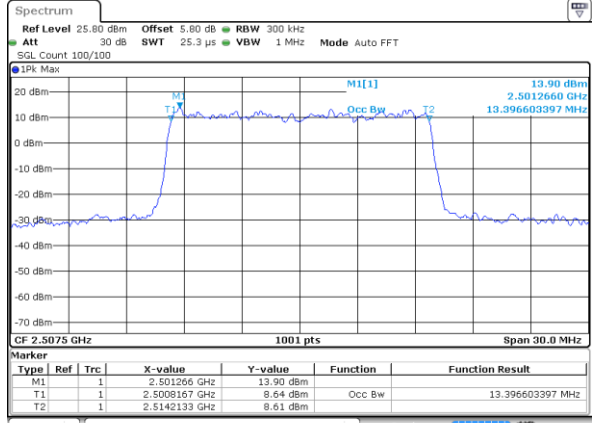
LTE Band 7

Lowest Channel / 15MHz / QPSK



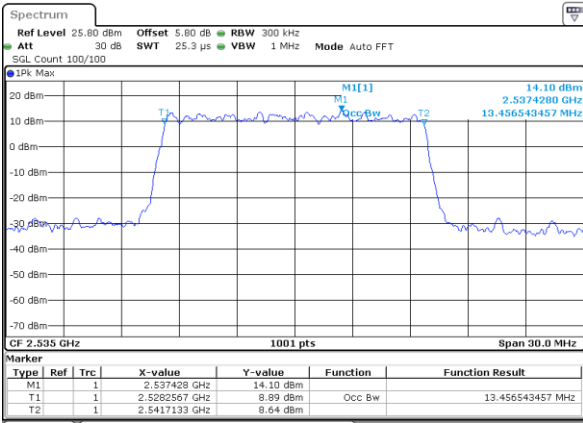
Date: 4 DEC 2019 11:59:47

Lowest Channel / 15MHz / 16QAM



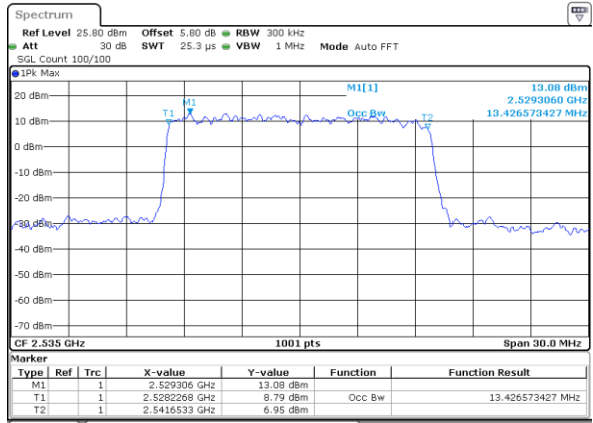
Date: 4 DEC 2019 11:59:27

Middle Channel / 15MHz / QPSK



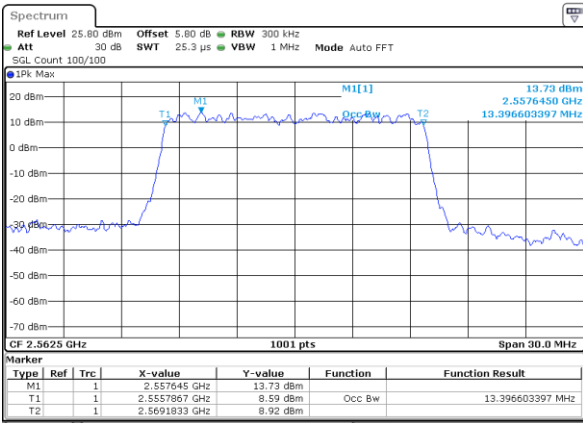
Date: 4 DEC 2019 12:00:07

Middle Channel / 15MHz / 16QAM



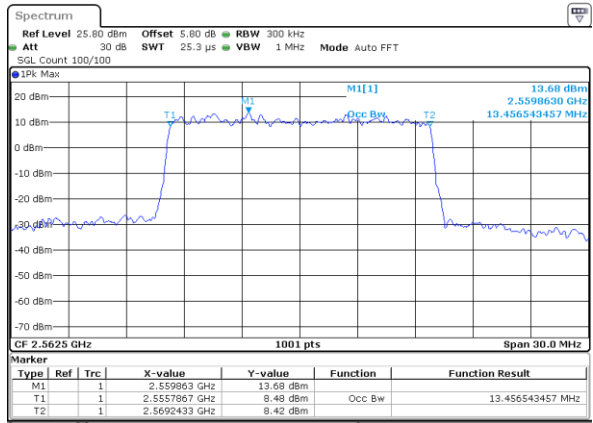
Date: 4 DEC 2019 12:00:27

Highest Channel / 15MHz / QPSK



Date: 4 DEC 2019 12:01:06

Highest Channel / 15MHz / 16QAM

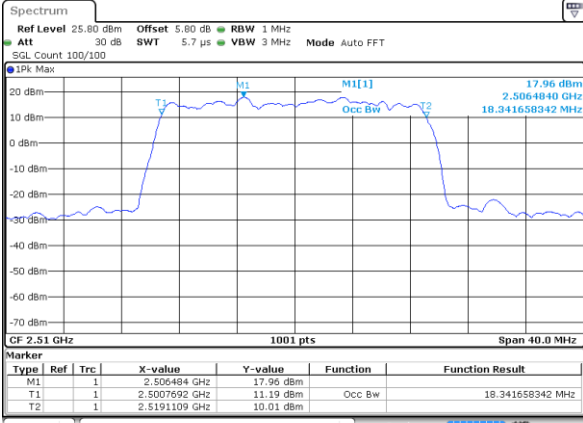


Date: 4 DEC 2019 12:00:46



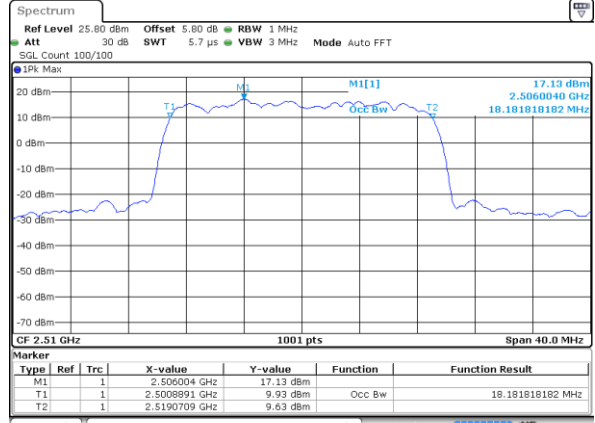
LTE Band 7

Lowest Channel / 20MHz / QPSK



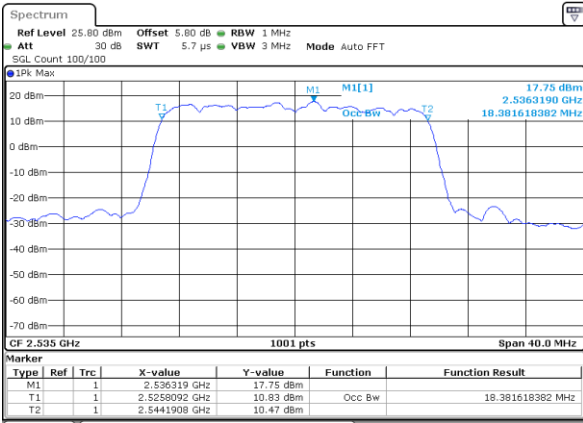
Date: 4 DEC 2019 15:12:52

Lowest Channel / 20MHz / 16QAM



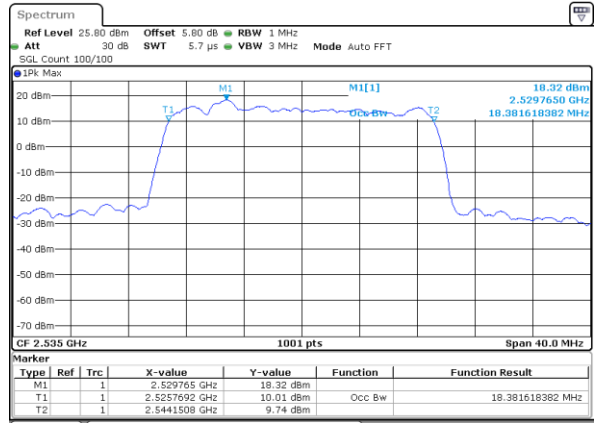
Date: 4 DEC 2019 15:12:32

Middle Channel / 20MHz / QPSK



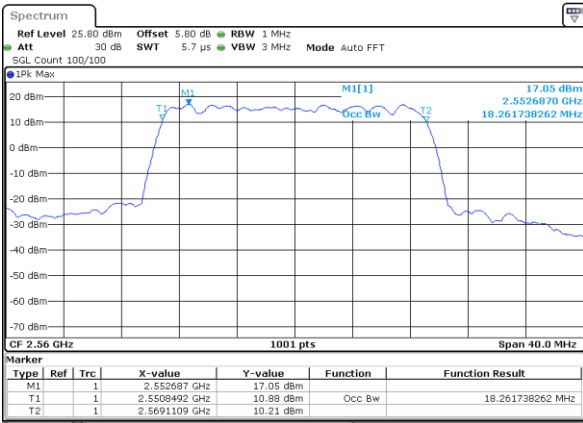
Date: 4 DEC 2019 15:13:12

Middle Channel / 20MHz / 16QAM



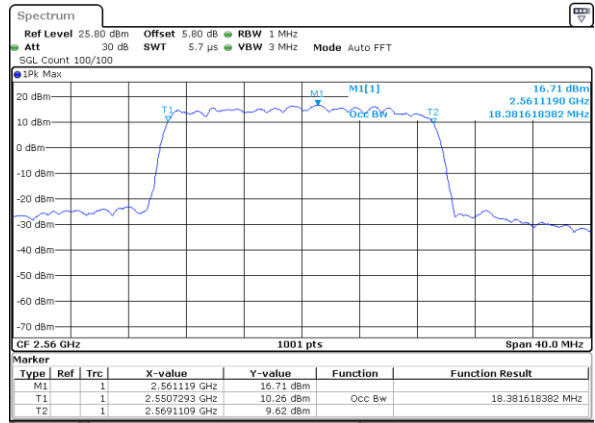
Date: 4 DEC 2019 15:13:32

Highest Channel / 20MHz / QPSK



Date: 4 DEC 2019 15:14:12

Highest Channel / 20MHz / 16QAM



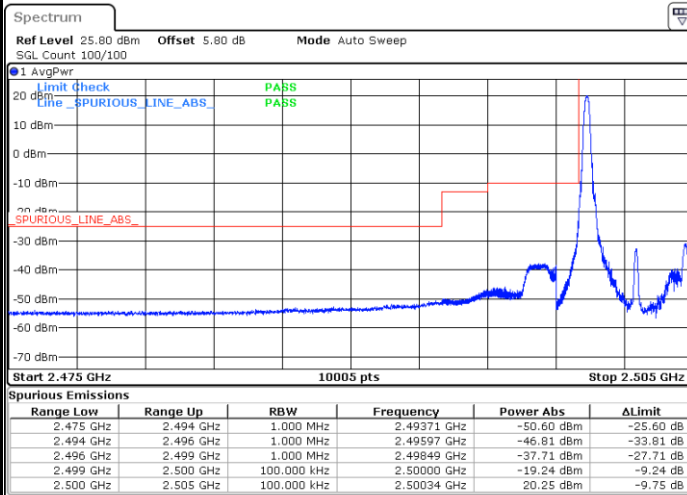
Date: 4 DEC 2019 15:13:52



Conducted Band Edge

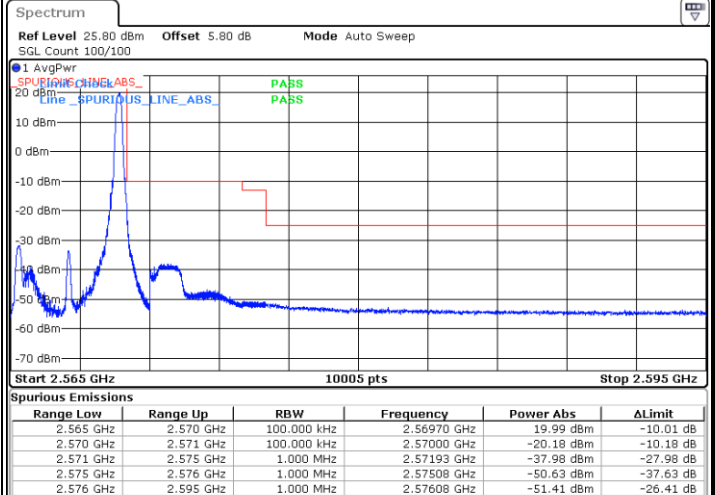
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



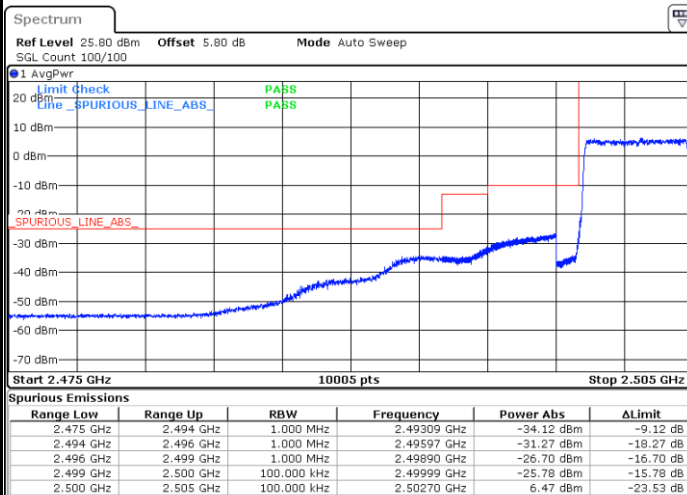
Date: 4 DEC.2019 11:29:25

Highest Band Edge / 1 RB



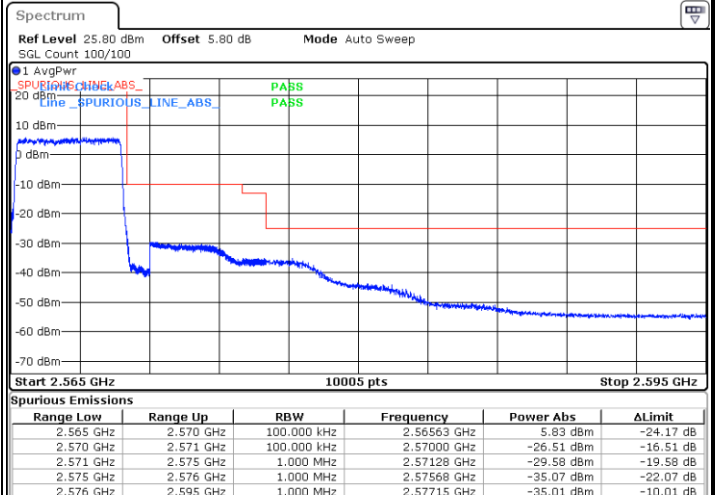
Date: 4 DEC.2019 11:37:29

Lowest Band Edge / Full RB



Date: 4 DEC.2019 11:32:52

Highest Band Edge / Full RB



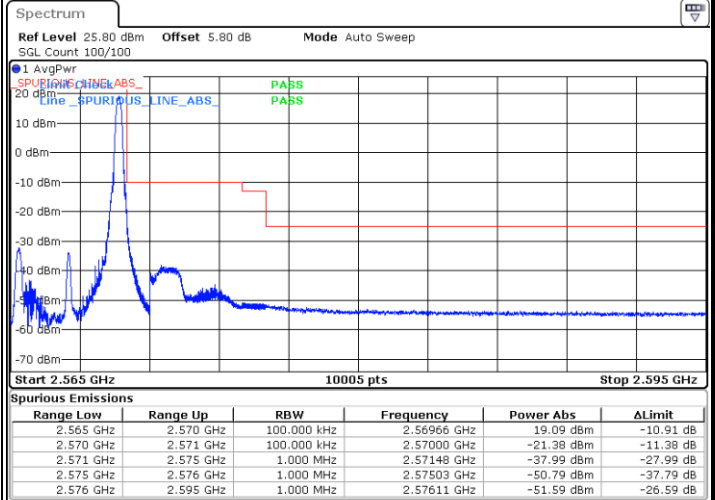
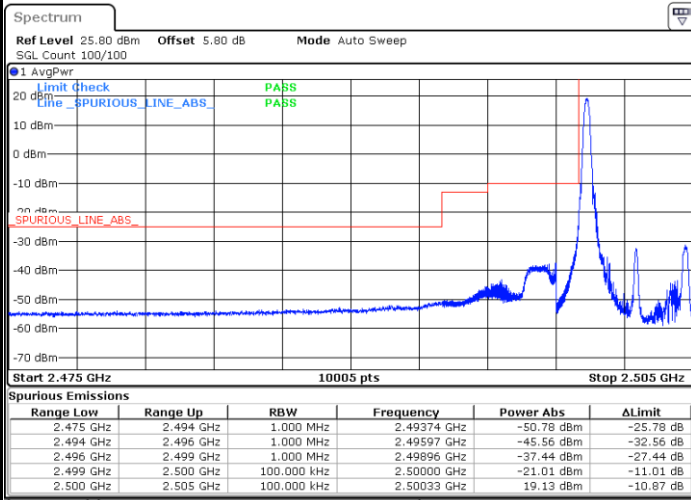
Date: 4 DEC.2019 11:34:01



LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

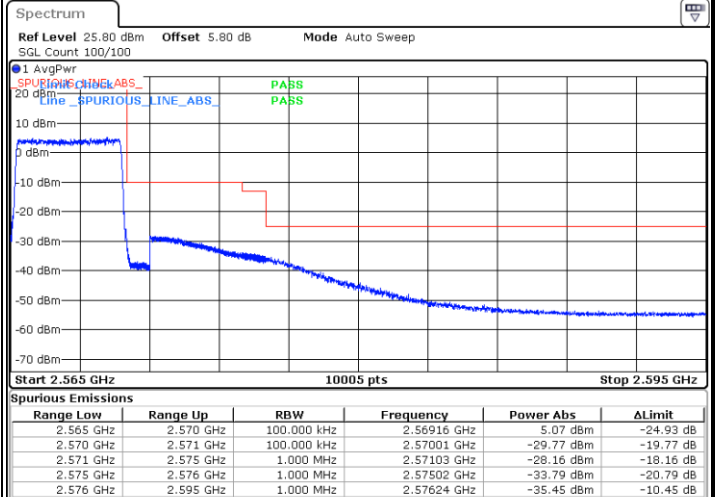
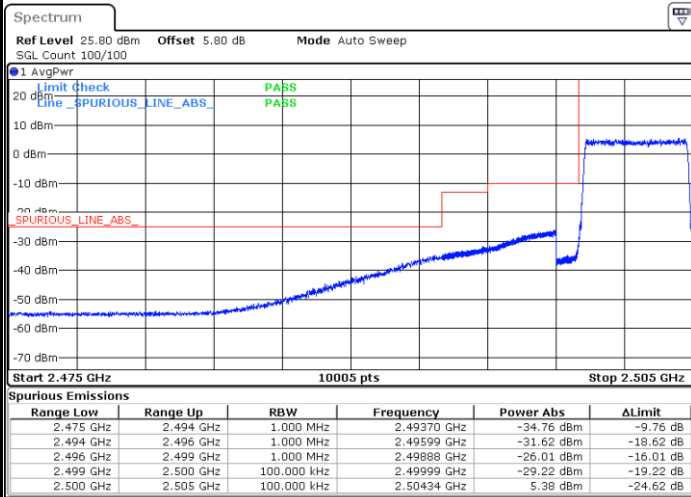


Date: 4 DEC.2019 11:30:33

Date: 4 DEC.2019 11:36:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



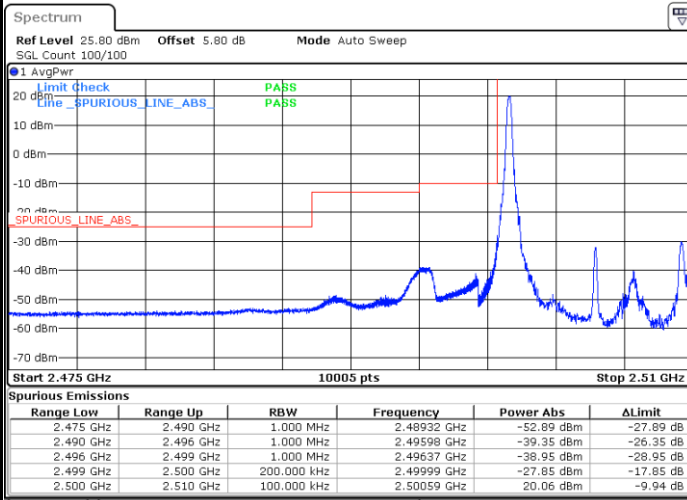
Date: 4 DEC.2019 11:31:43

Date: 4 DEC.2019 11:35:10



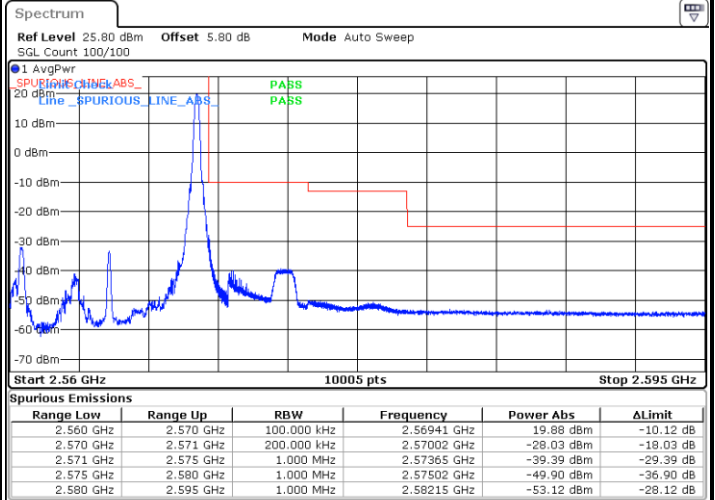
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



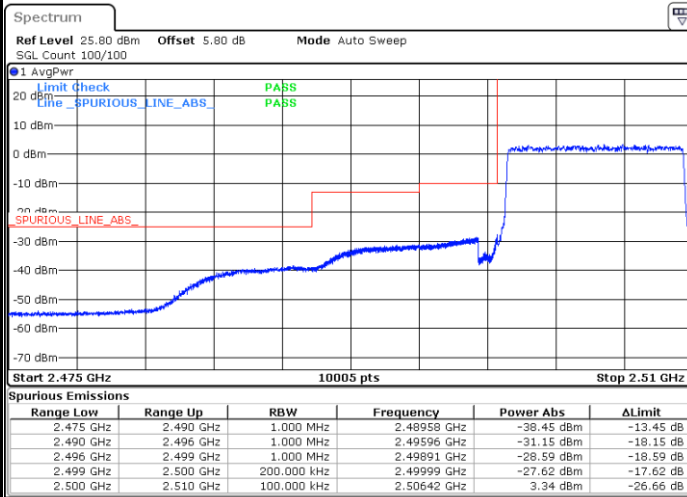
Date: 4 DEC.2019 11:45:55

Highest Band Edge / 1 RB



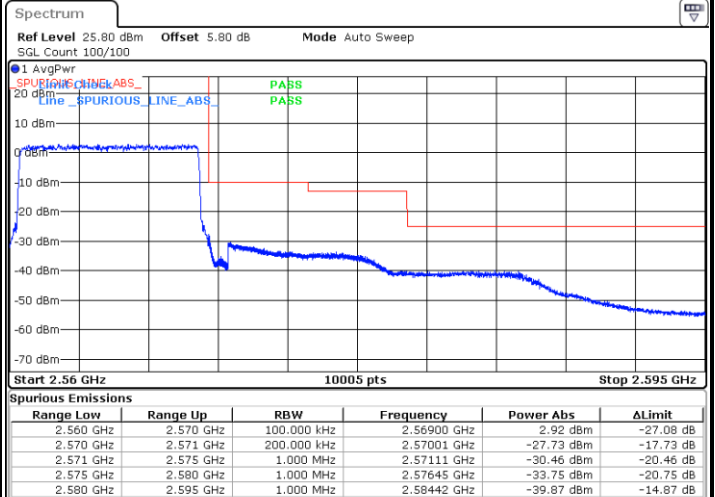
Date: 4 DEC.2019 11:53:58

Lowest Band Edge / Full RB



Date: 4 DEC.2019 11:49:21

Highest Band Edge / Full RB

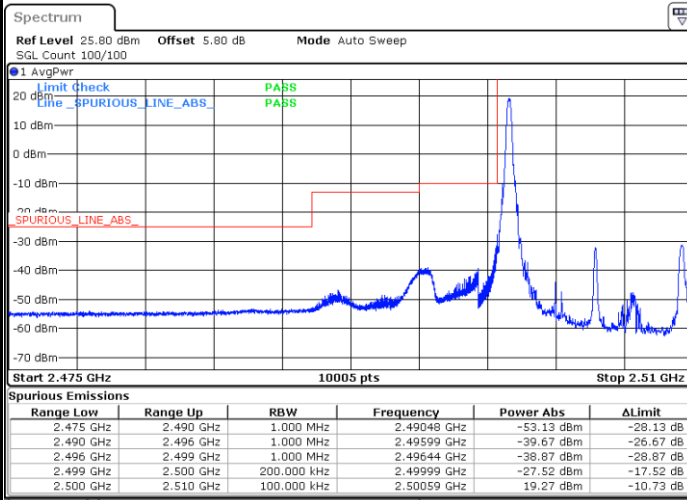


Date: 4 DEC.2019 11:50:31



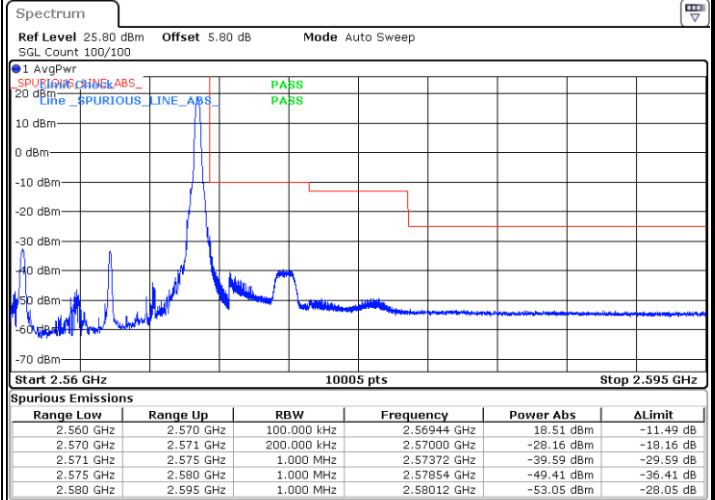
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



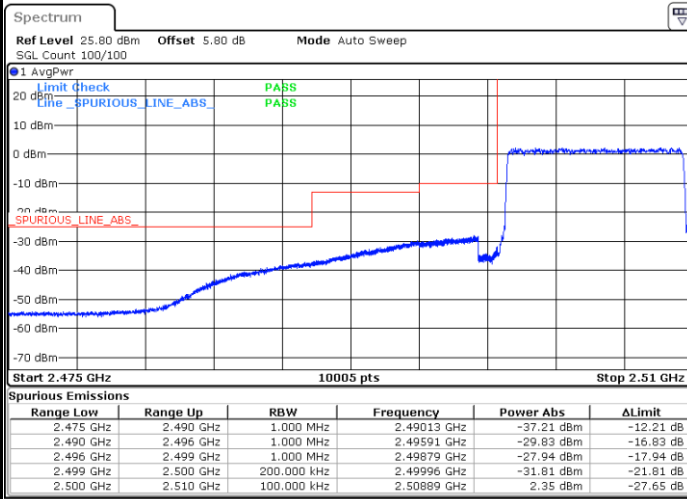
Date: 4 DEC.2019 11:47:04

Highest Band Edge / 1 RB



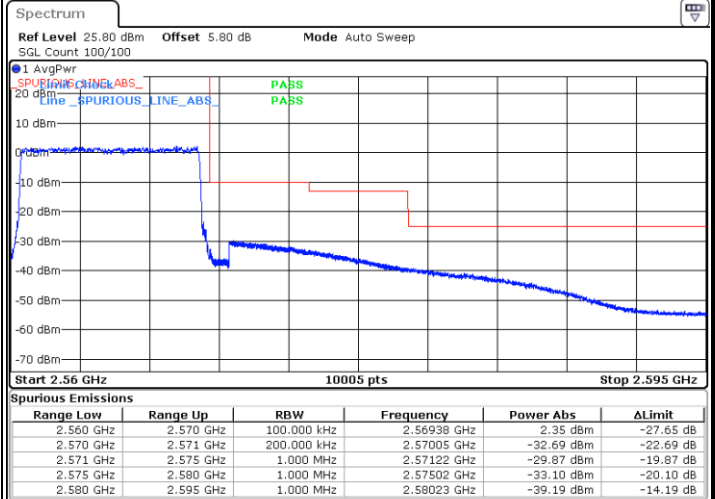
Date: 4 DEC.2019 11:52:49

Lowest Band Edge / Full RB



Date: 4 DEC.2019 11:48:13

Highest Band Edge / Full RB

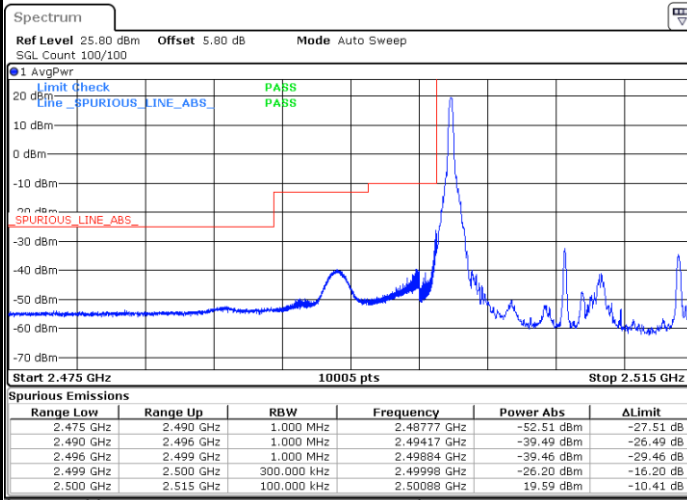


Date: 4 DEC.2019 11:51:40



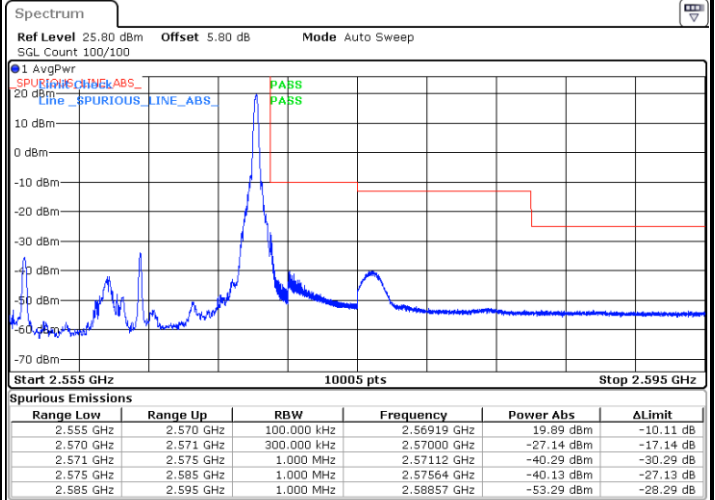
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



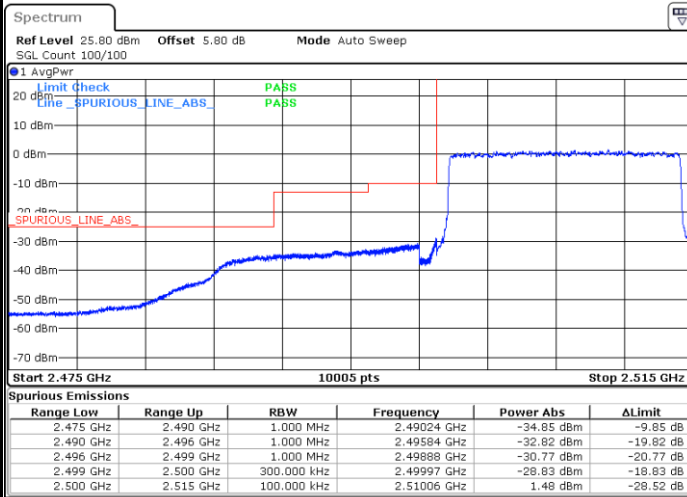
Date: 4 DEC.2019 14:45:27

Highest Band Edge / 1 RB



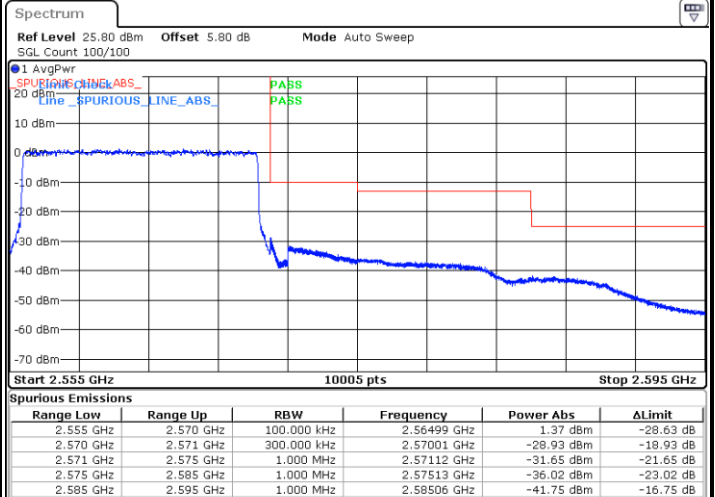
Date: 4 DEC.2019 14:53:31

Lowest Band Edge / Full RB



Date: 4 DEC.2019 14:48:54

Highest Band Edge / Full RB

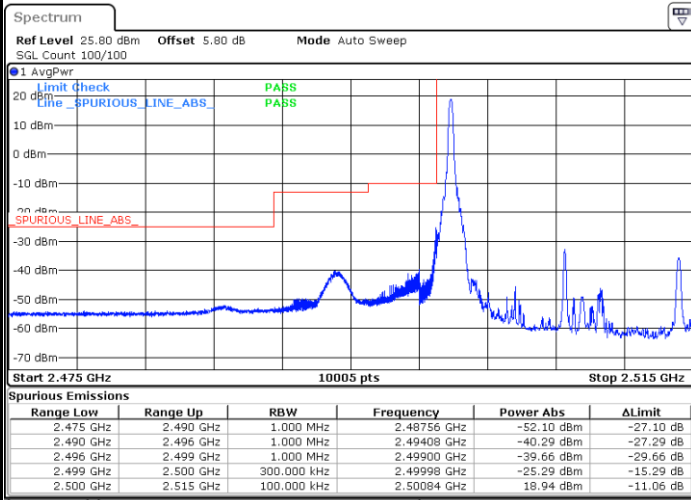


Date: 4 DEC.2019 14:50:03



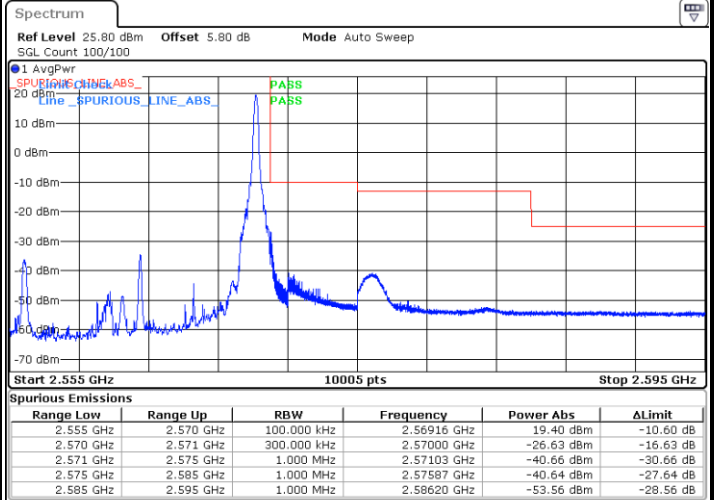
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



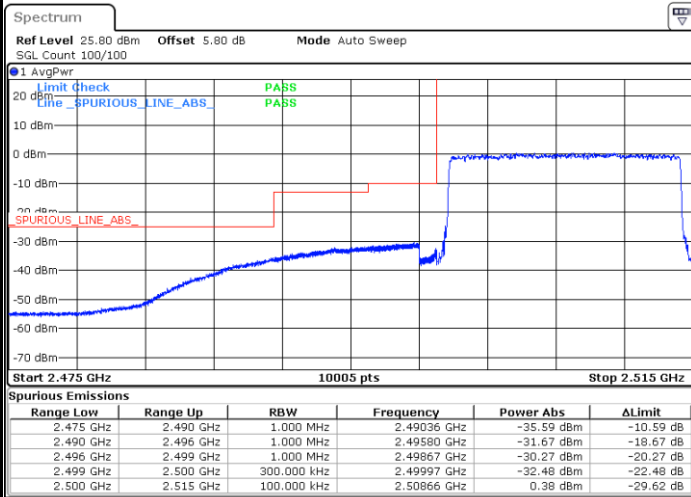
Date: 4 DEC.2019 14:46:36

Highest Band Edge / 1 RB



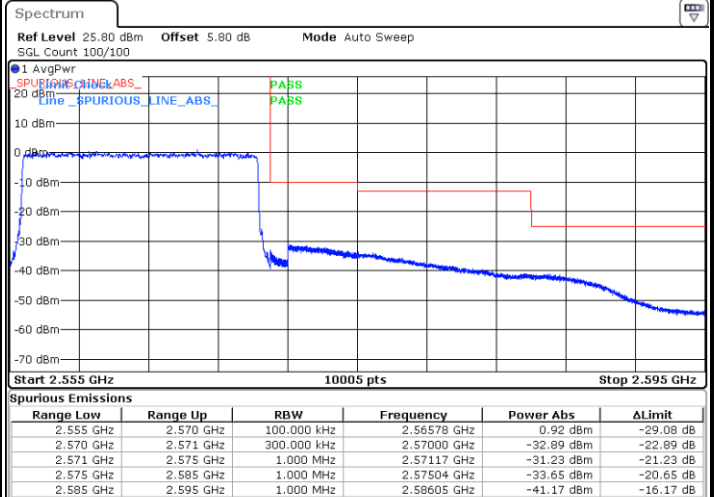
Date: 4 DEC.2019 14:52:21

Lowest Band Edge / Full RB



Date: 4 DEC.2019 14:47:45

Highest Band Edge / Full RB

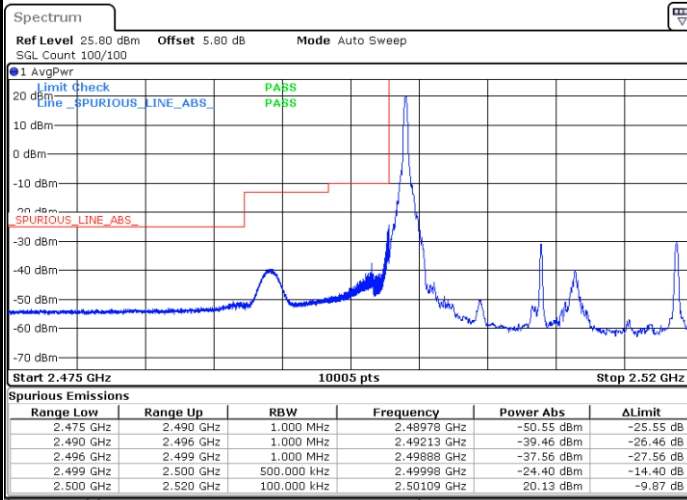


Date: 4 DEC.2019 14:51:12



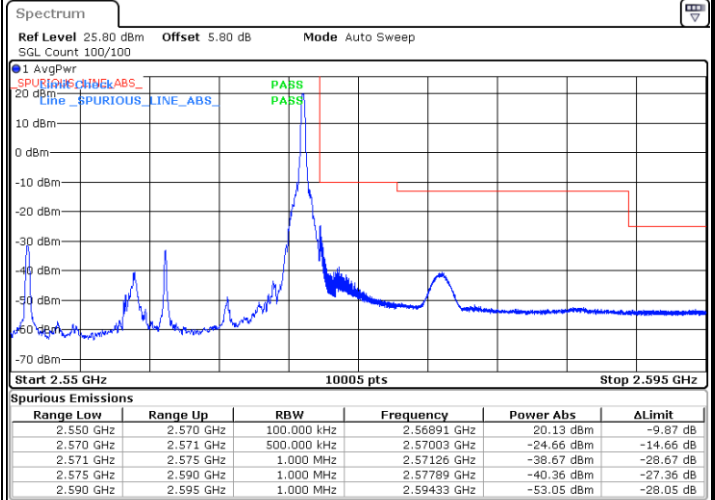
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



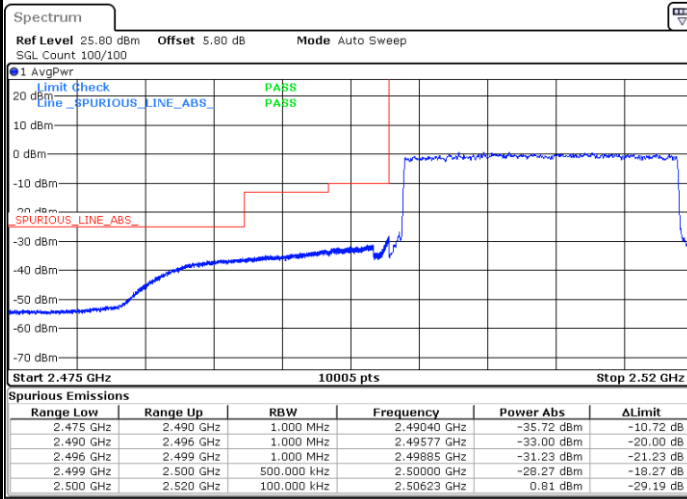
Date: 4 DEC.2019 15:15:31

Highest Band Edge / 1 RB



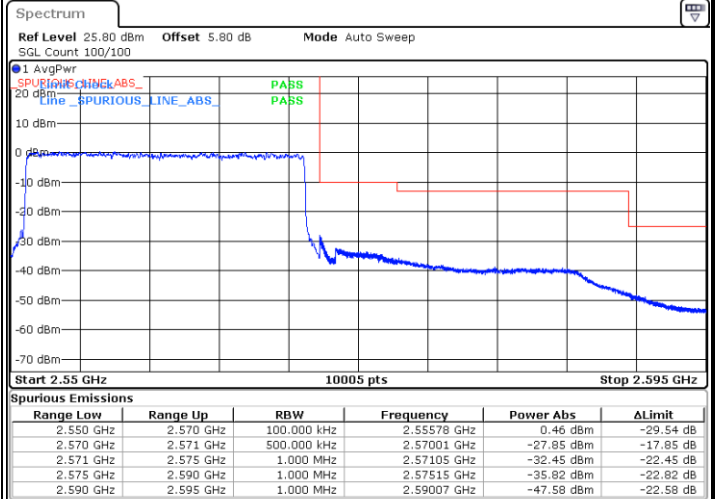
Date: 4 DEC.2019 15:23:27

Lowest Band Edge / Full RB



Date: 4 DEC.2019 15:18:55

Highest Band Edge / Full RB

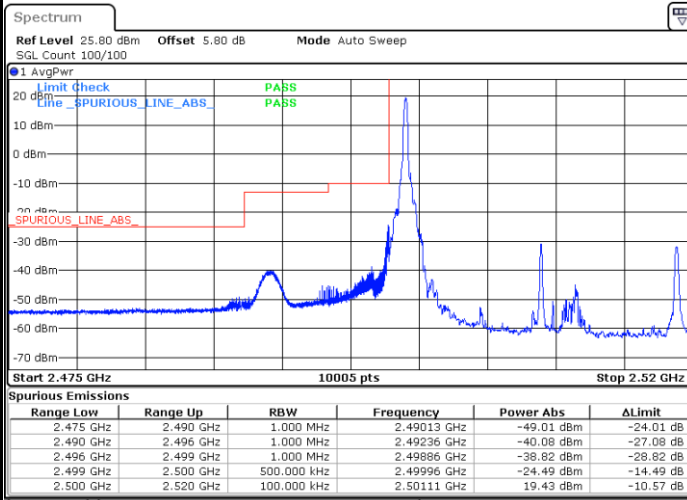


Date: 4 DEC.2019 15:20:03



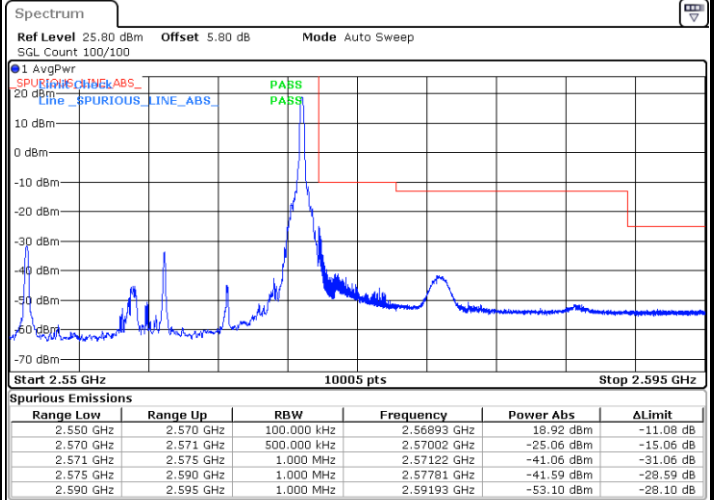
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



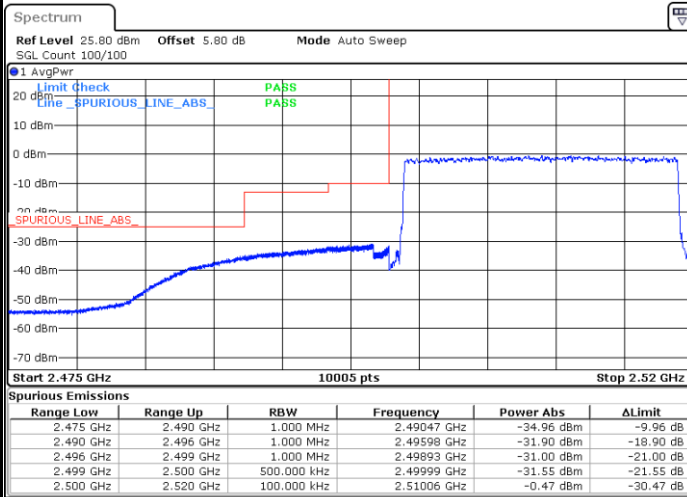
Date: 4 DEC.2019 15:16:39

Highest Band Edge / 1RB



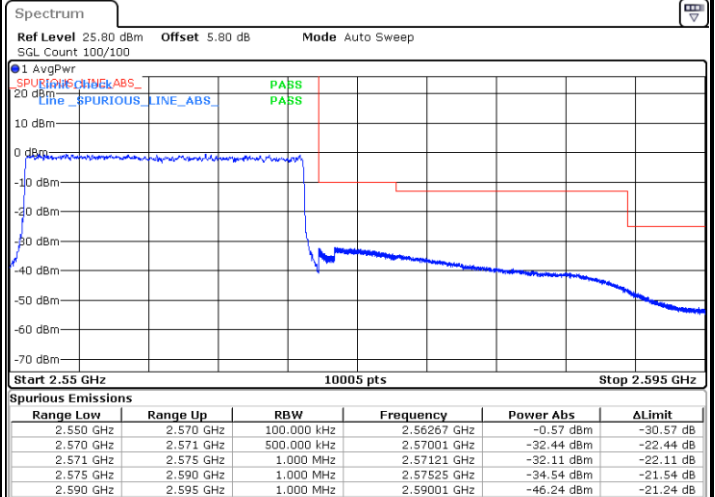
Date: 4 DEC.2019 15:22:19

Lowest Band Edge / Full RB



Date: 4 DEC.2019 15:17:47

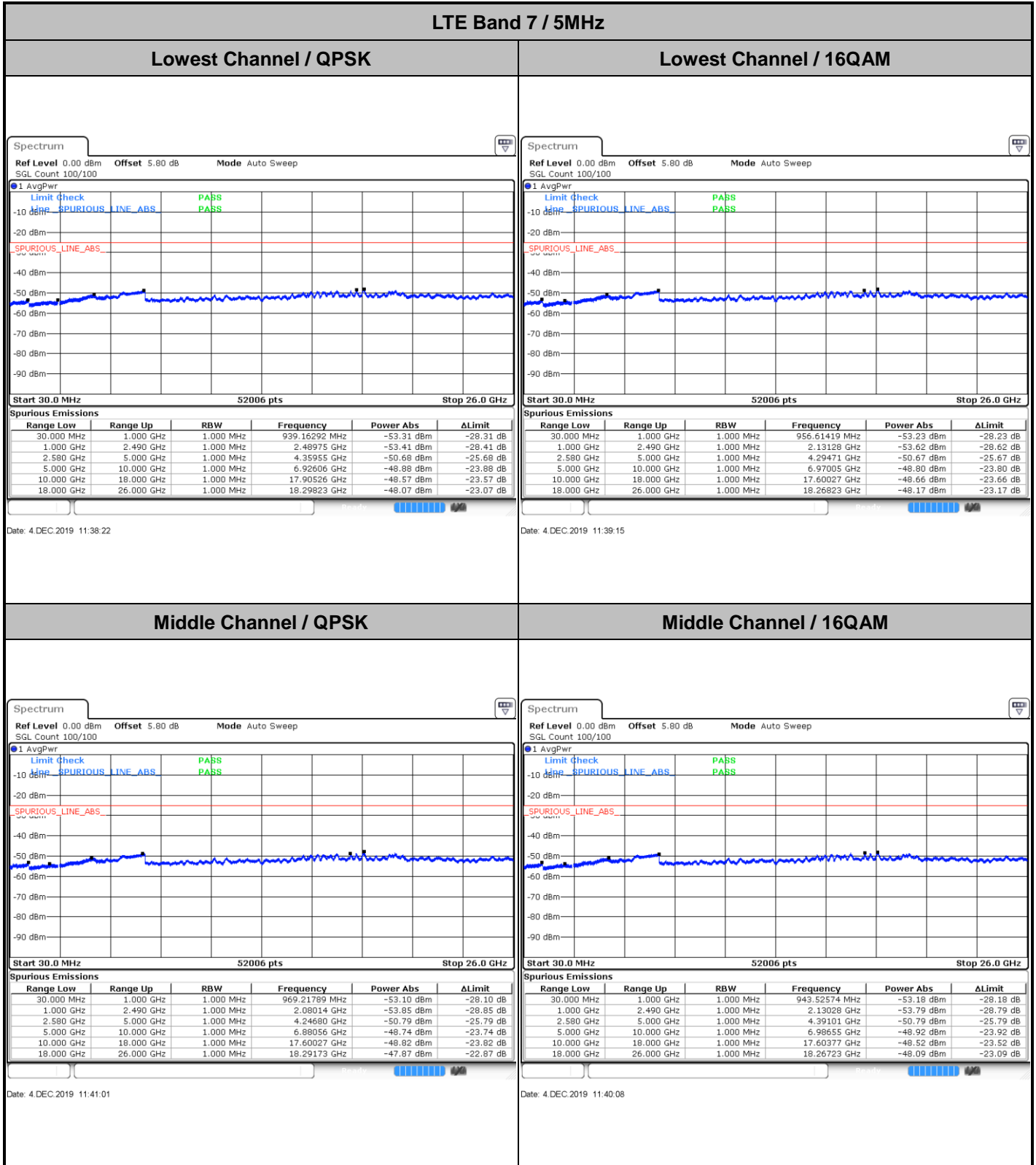
Highest Band Edge / Full RB



Date: 4 DEC.2019 15:21:11



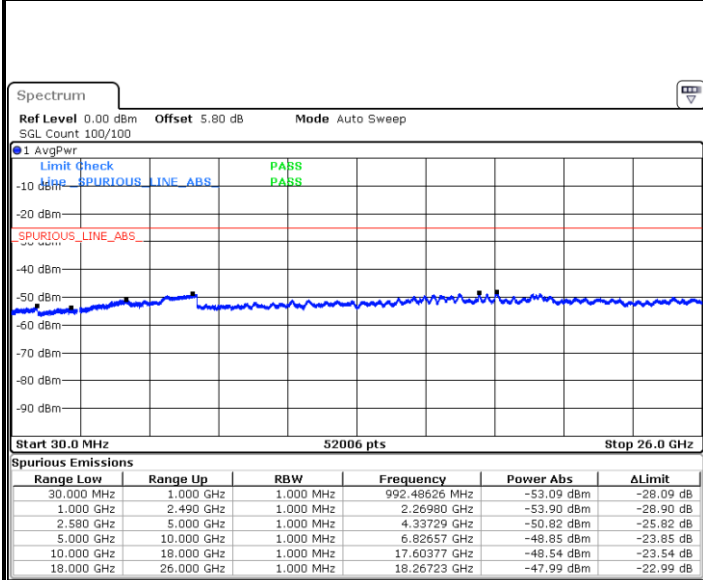
Conducted Spurious Emission





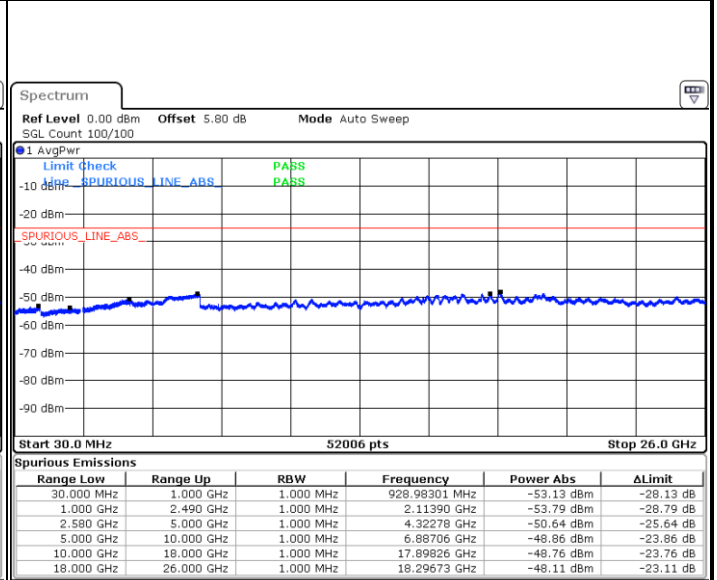
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 4 DEC.2019 11:41:54

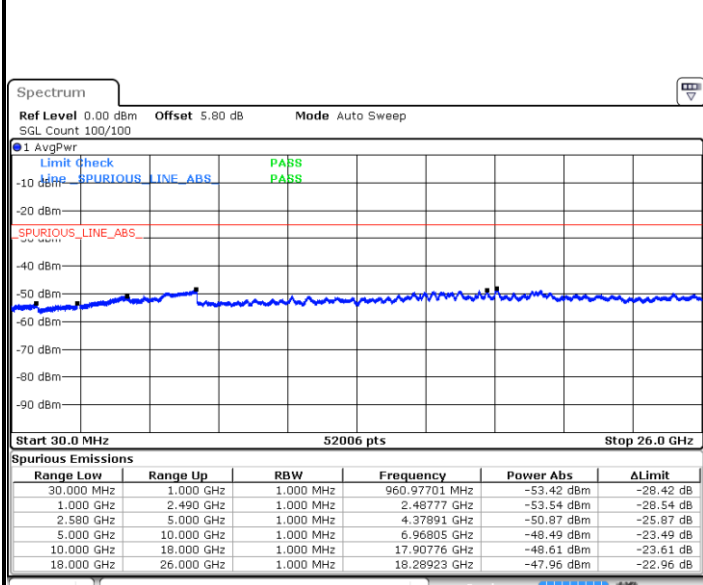
Highest Channel / 16QAM



Date: 4 DEC.2019 11:42:47

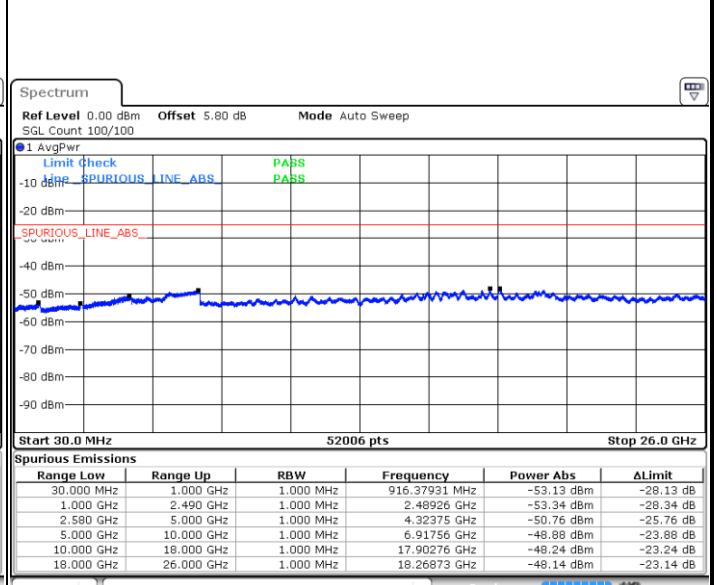
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 4 DEC.2019 11:54:52

Lowest Channel / 16QAM



Date: 4 DEC.2019 11:55:45