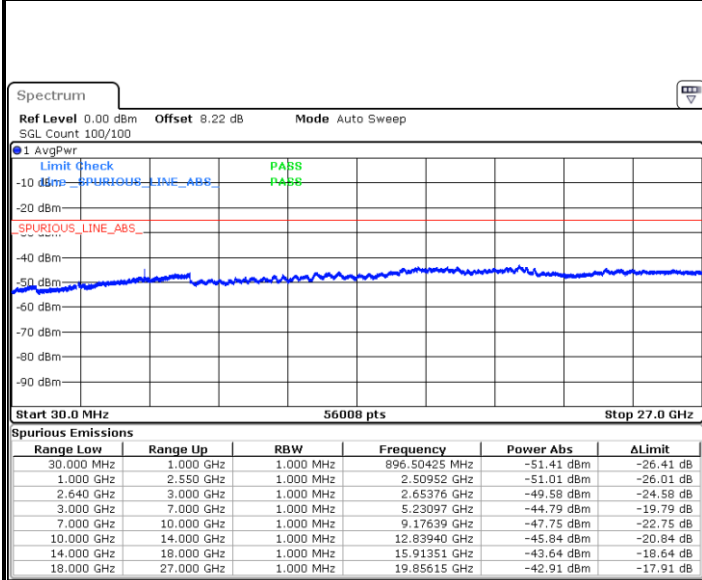




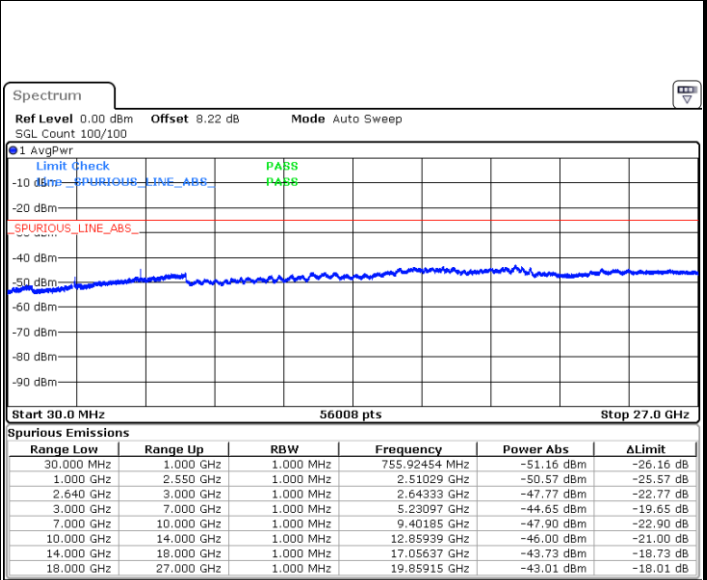
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 8.AUG.2020 23:14:43

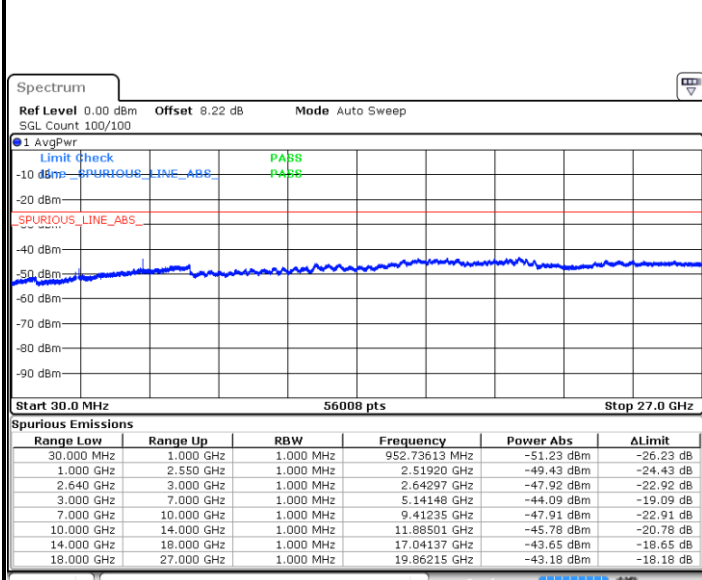
Highest Channel / 16QAM



Date: 8.AUG.2020 23:15:37

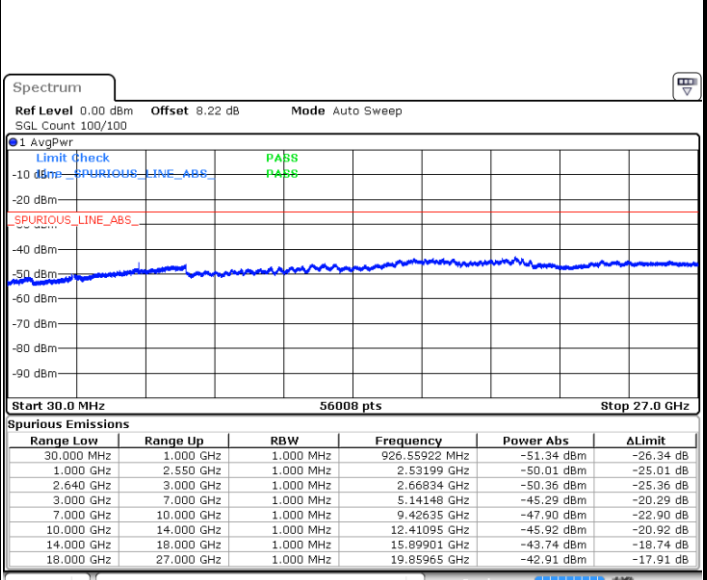
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 8.AUG.2020 23:16:32

Lowest Channel / 16QAM

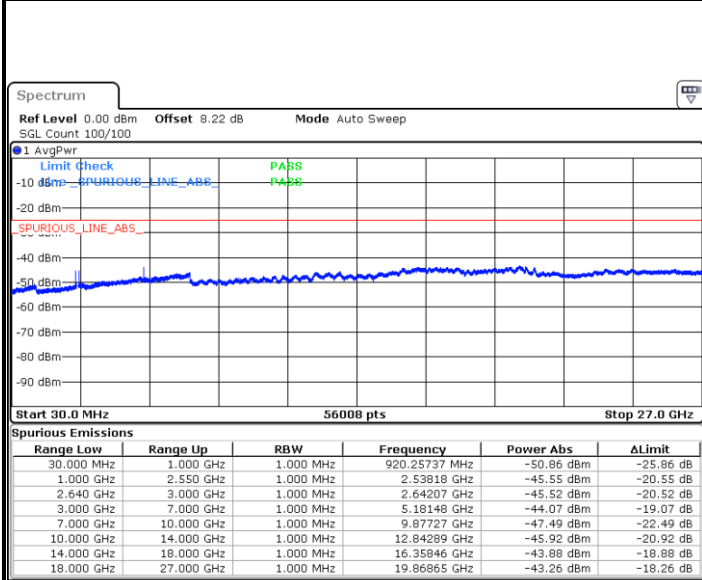


Date: 8.AUG.2020 23:17:27



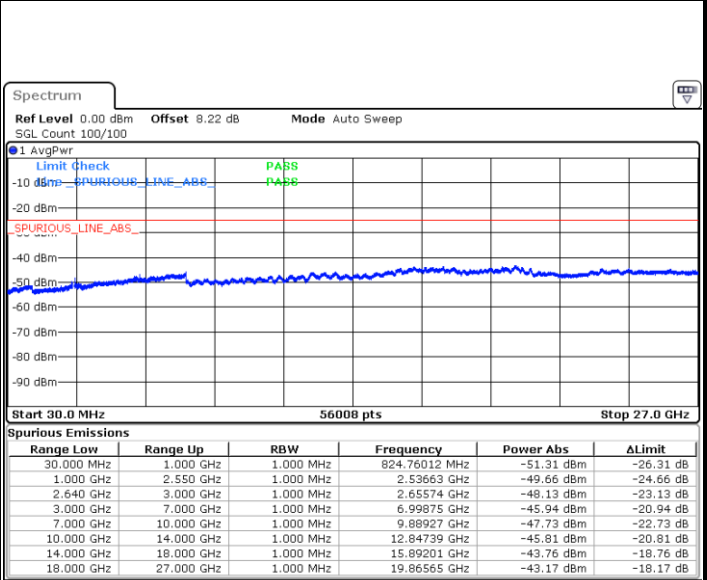
LTE Band 38 / 10MHz

Middle Channel / QPSK



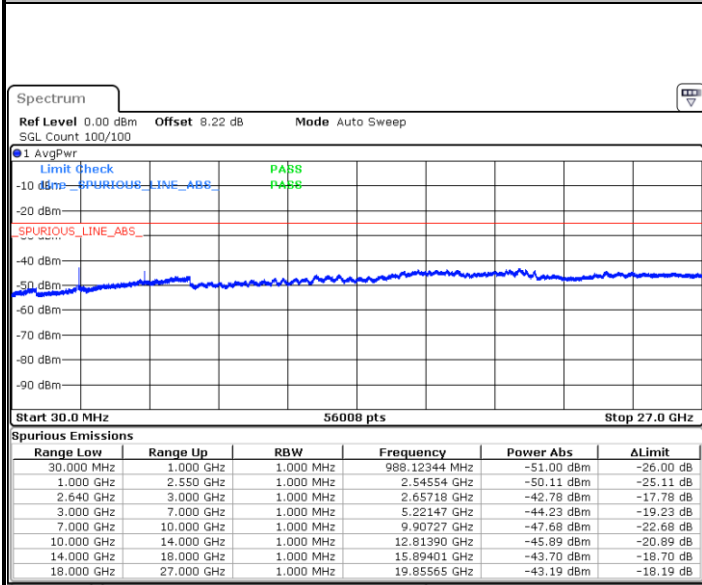
Date: 8 AUG.2020 23:18:22

Middle Channel / 16QAM



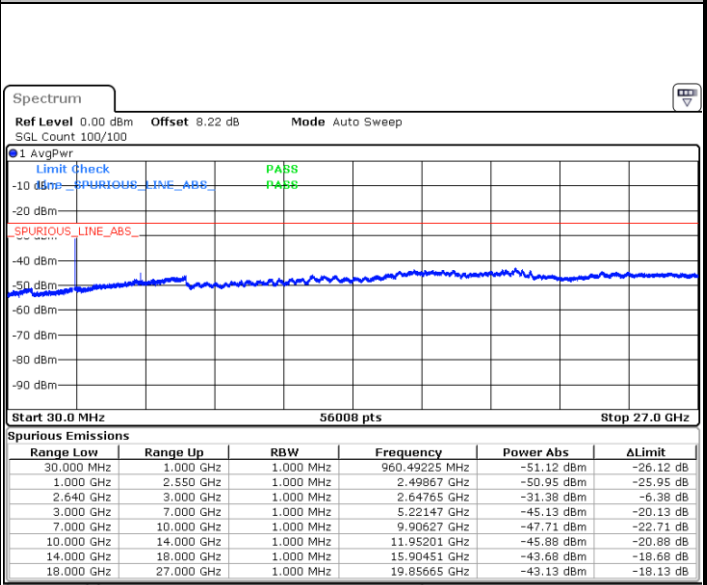
Date: 8 AUG.2020 23:19:17

Highest Channel / QPSK



Date: 8 AUG.2020 23:20:12

Highest Channel / 16QAM



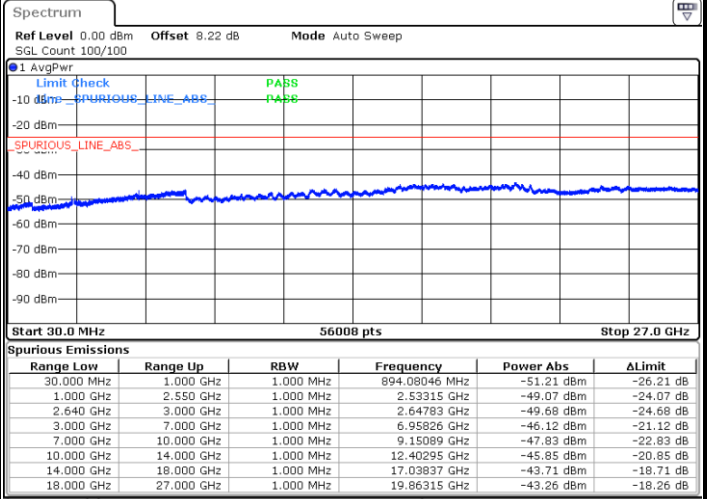
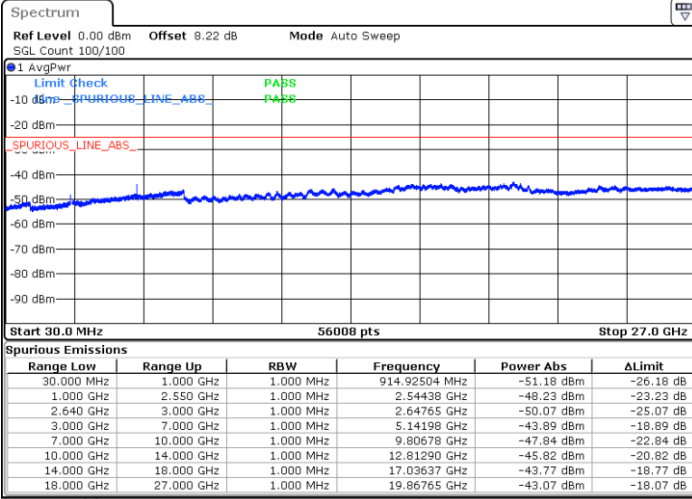
Date: 8 AUG.2020 23:21:07



LTE Band 38 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

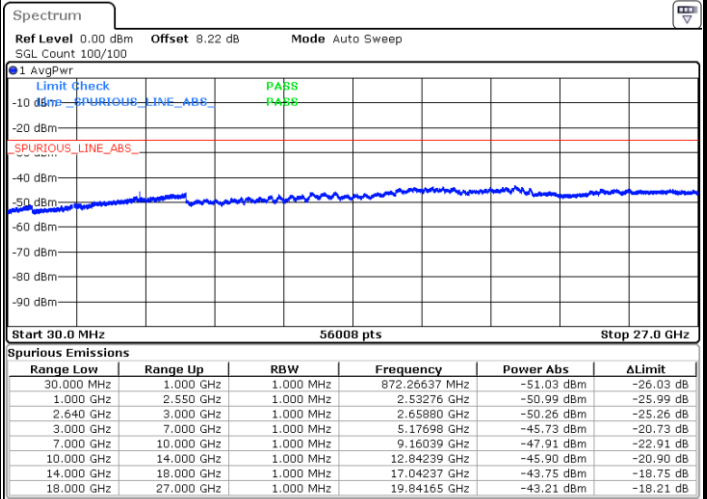
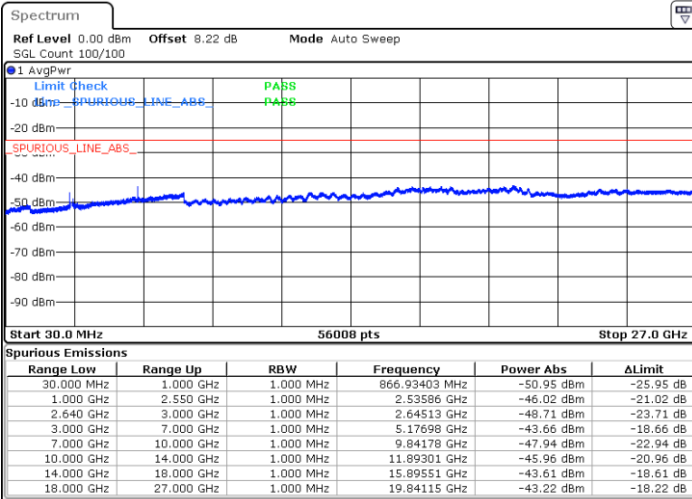


Date: 8 AUG 2020 23:22:02

Date: 8 AUG 2020 23:22:56

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 8 AUG 2020 23:23:51

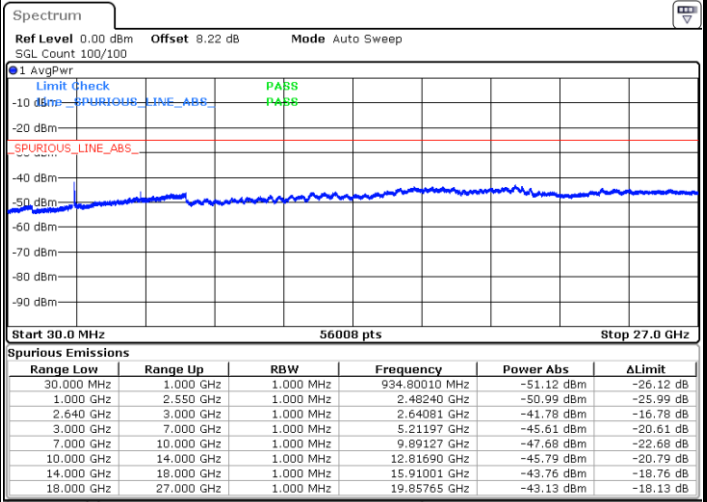
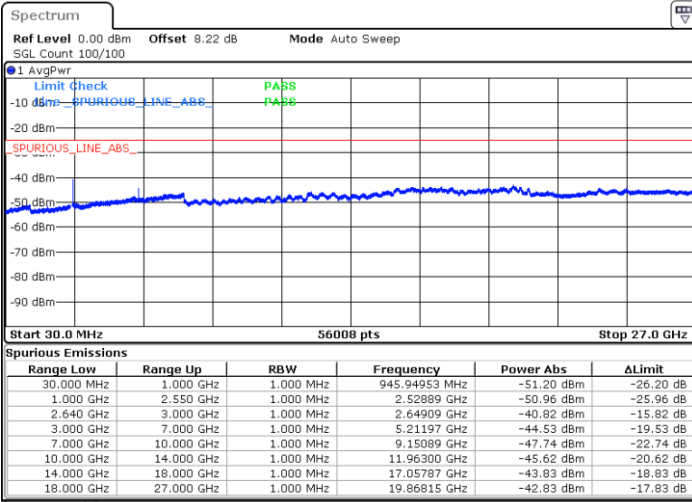
Date: 8 AUG 2020 23:24:46



LTE Band 38 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



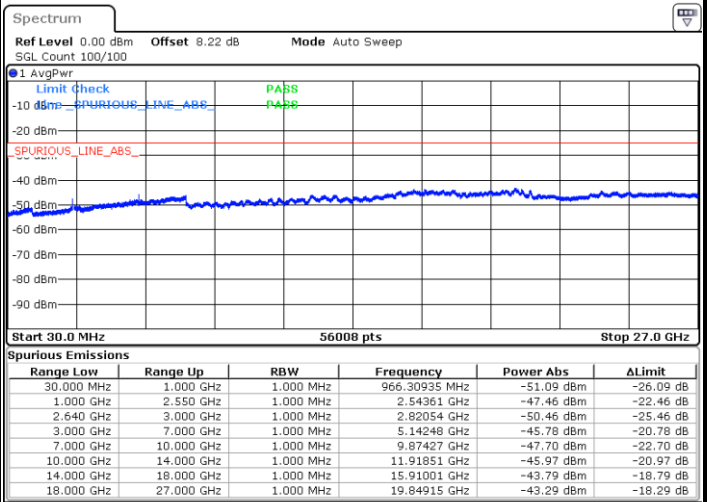
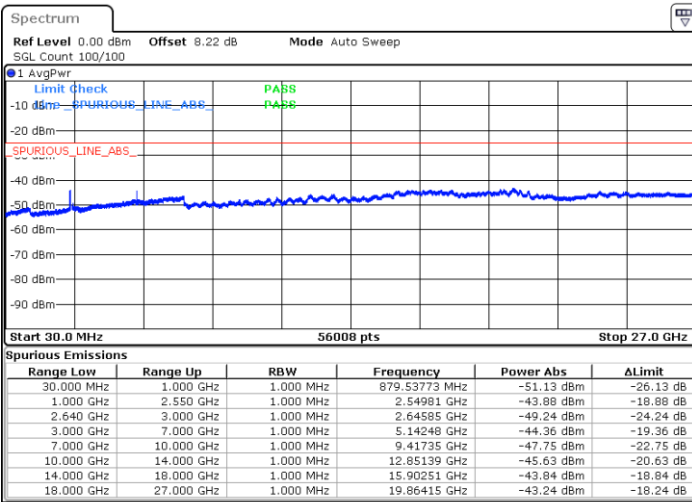
Date: 8 AUG.2020 23:25:41

Date: 8 AUG.2020 23:26:36

LTE Band 38 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 8 AUG.2020 23:27:31

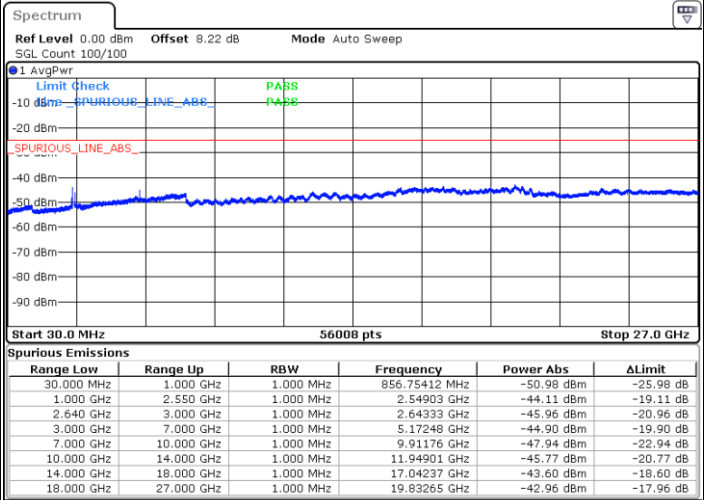
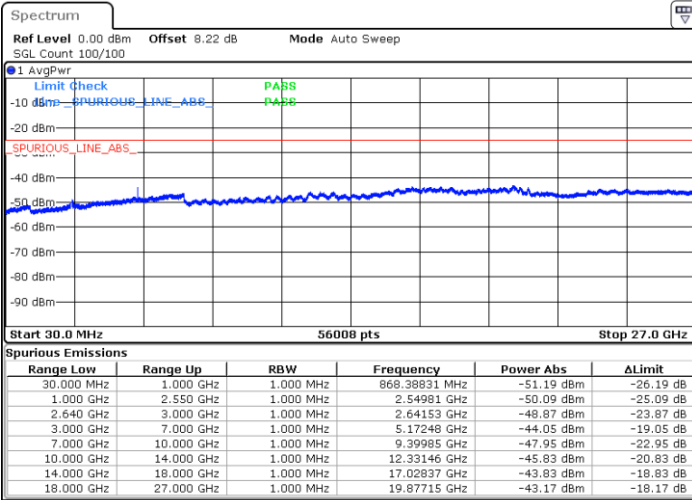
Date: 8 AUG.2020 23:28:25



LTE Band 38 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

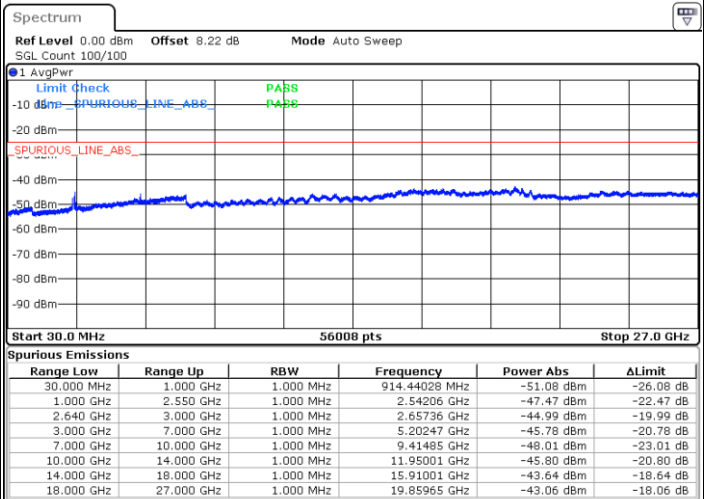
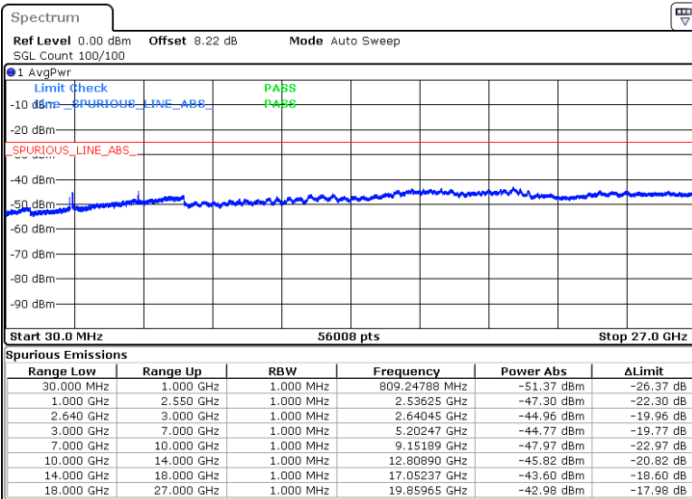


Date: 8 AUG 2020 23:29:20

Date: 8 AUG 2020 23:30:15

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8 AUG 2020 23:31:10

Date: 8 AUG 2020 23:32:05



Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0039	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 41

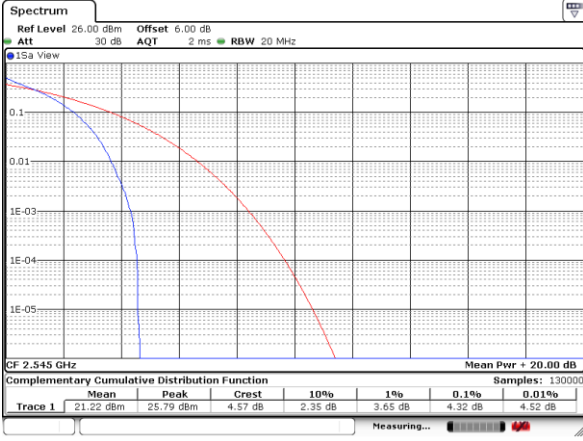
### Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.32	5.01	5.62	5.74	PASS
Middle CH	4.96	5.04	6.32	6.00	
Highest CH	4.12	5.97	5.16	5.68	



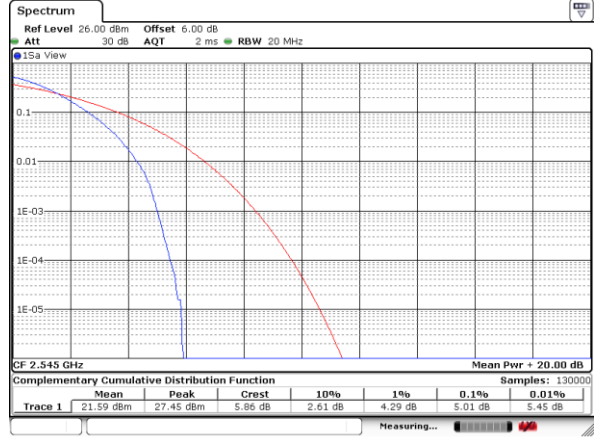
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



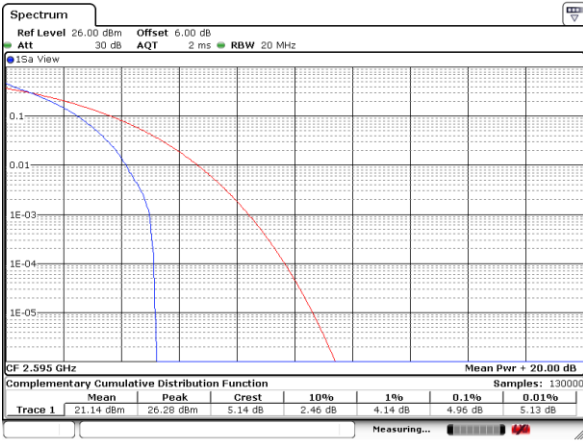
Date: 10\_AUG.2020 06:13:145

Lowest Channel / Full RB



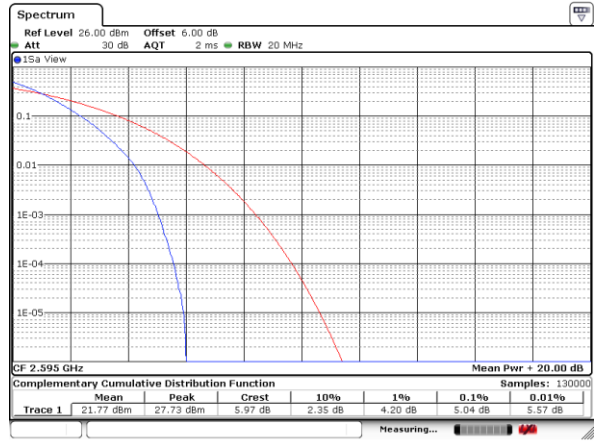
Date: 10\_AUG.2020 06:13:149

Middle Channel / 1RB



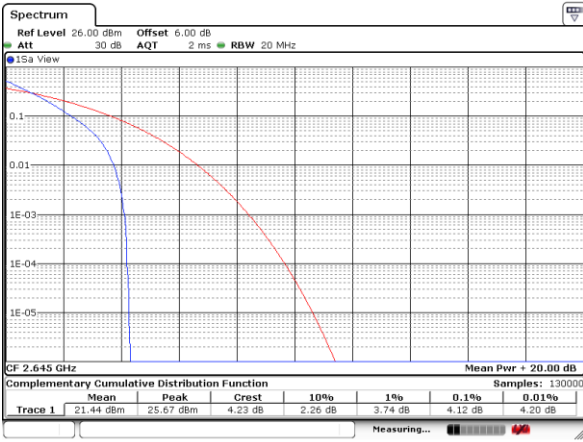
Date: 10\_AUG.2020 06:13:102

Middle Channel / Full RB



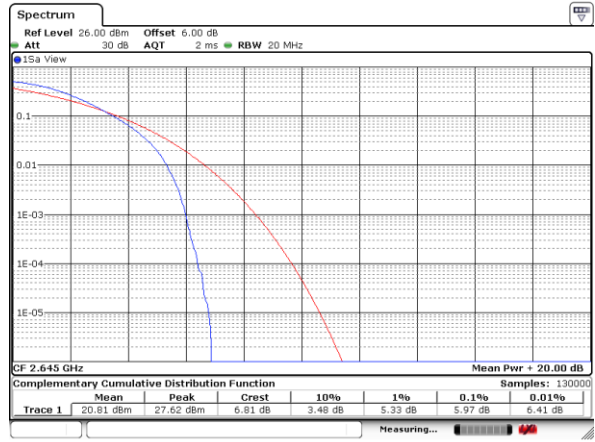
Date: 10\_AUG.2020 06:13:151

Highest Channel / 1RB



Date: 10\_AUG.2020 06:13:136

Highest Channel / Full RB



Date: 10\_AUG.2020 06:13:151





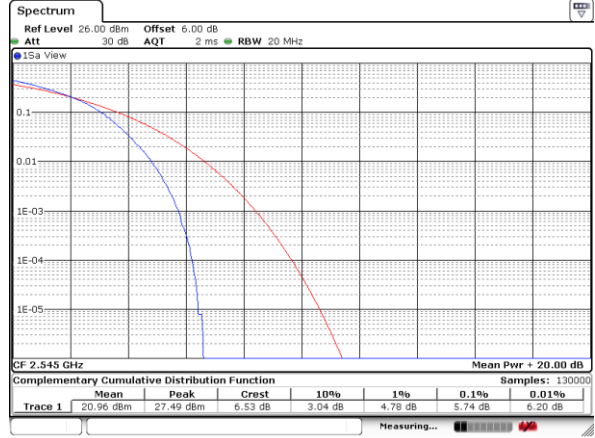
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



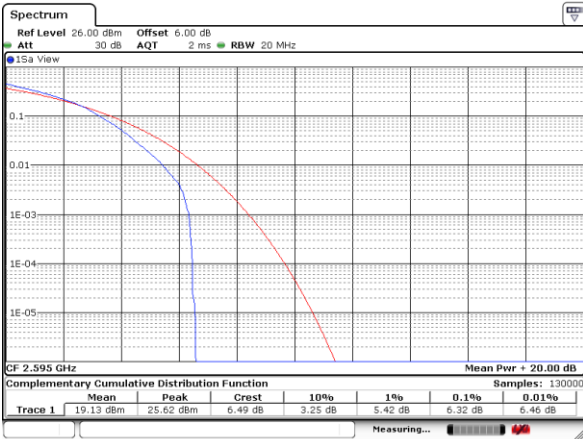
Date: 10\_AUG.2020 06:32:18

Lowest Channel / Full RB



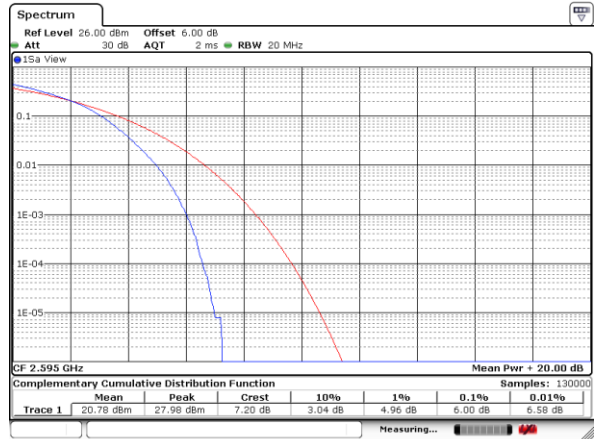
Date: 10\_AUG.2020 06:31:14

Middle Channel / 1RB



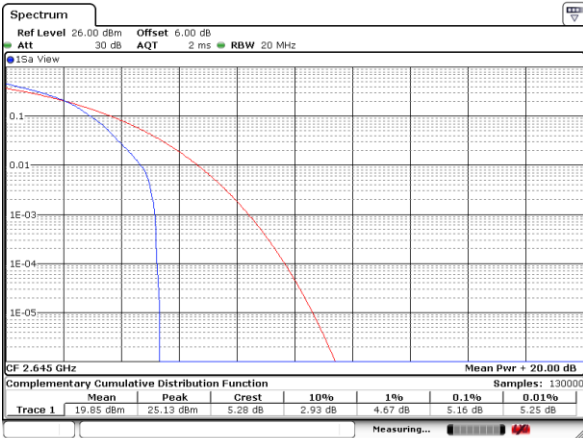
Date: 10\_AUG.2020 06:33:18

Middle Channel / Full RB



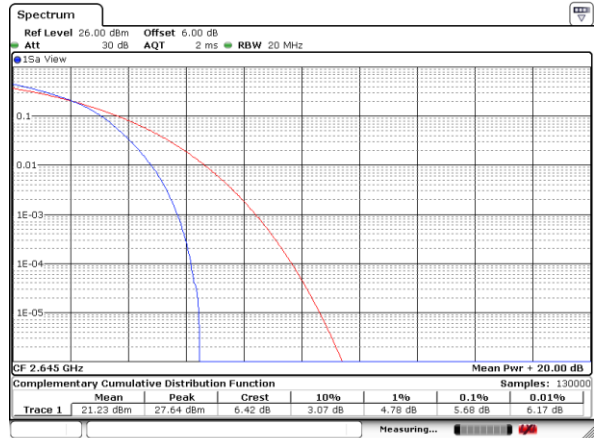
Date: 10\_AUG.2020 06:34:23

Highest Channel / 1RB



Date: 10\_AUG.2020 06:35:52

Highest Channel / Full RB



Date: 10\_AUG.2020 06:35:11



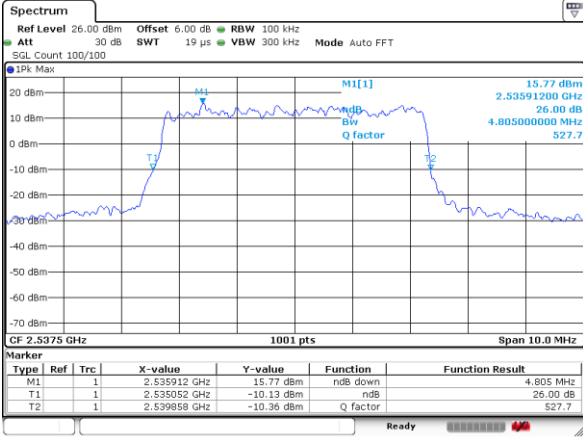
**26dB Bandwidth**

Mode	LTE Band 41 : 26dB BW(MHz)											
	5MHz		10MHz		15MHz		20MHz					
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	4.805	4.735	9.71	9.71	14.176	14.326	20.06	20.22				
Middle CH	4.925	4.885	9.83	9.89	14.236	14.266	20.06	20.18				
Highest CH	4.915	4.895	9.75	9.81	14.086	14.206	20.1	20.1				



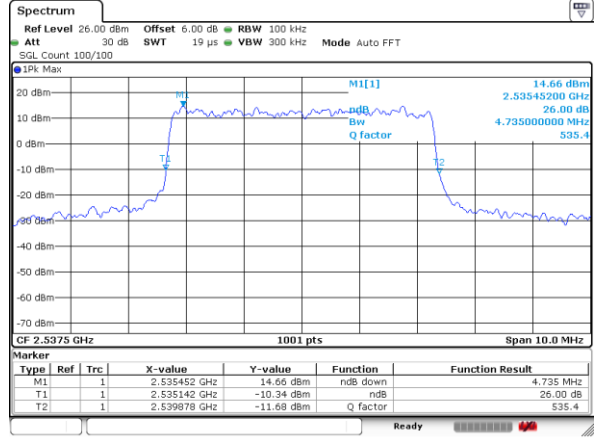
LTE Band 41

Lowest Channel / 5MHz / QPSK



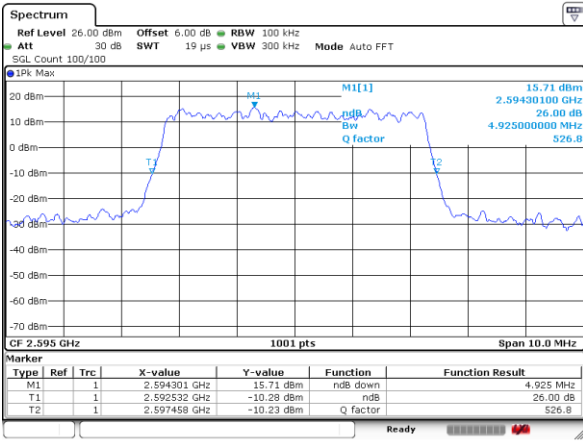
Date: 10\_AUG.2020 06:10:13

Lowest Channel / 5MHz / 16QAM



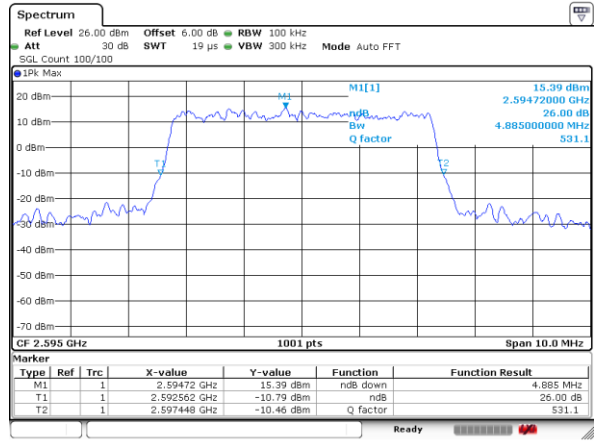
Date: 10\_AUG.2020 06:11:31

Middle Channel / 5MHz / QPSK



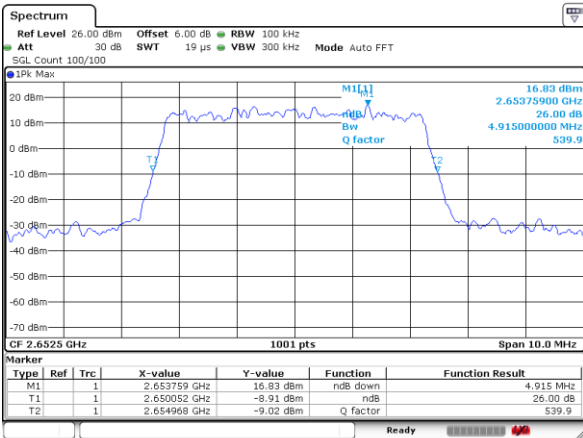
Date: 10\_AUG.2020 06:11:56

Middle Channel / 5MHz / 16QAM



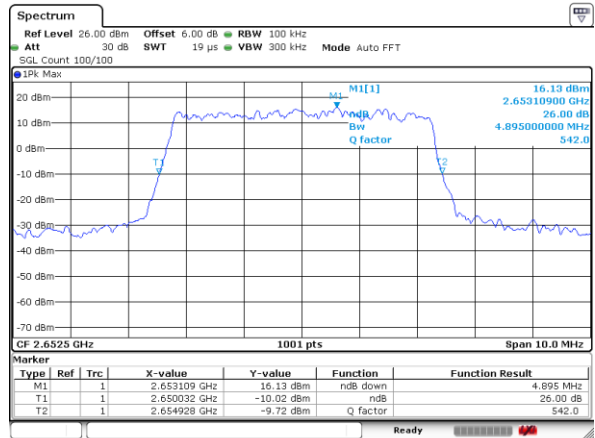
Date: 10\_AUG.2020 06:11:13

Highest Channel / 5MHz / QPSK



Date: 10\_AUG.2020 06:11:38

Highest Channel / 5MHz / 16QAM

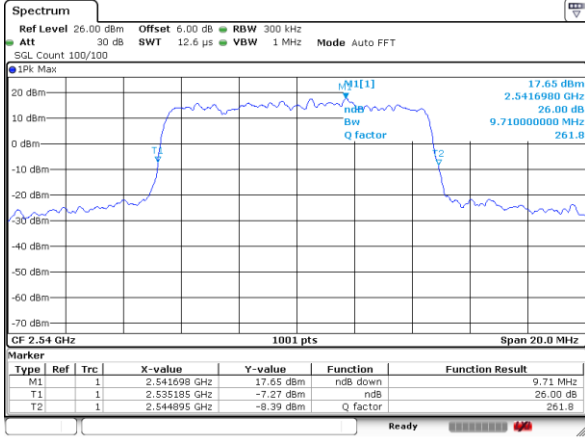


Date: 10\_AUG.2020 06:11:52



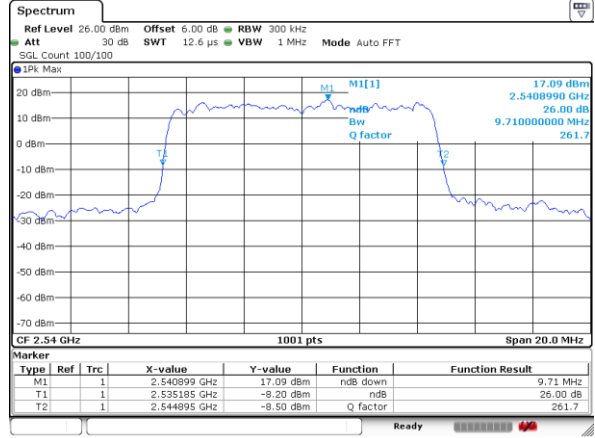
LTE Band 41

Lowest Channel / 10MHz / QPSK



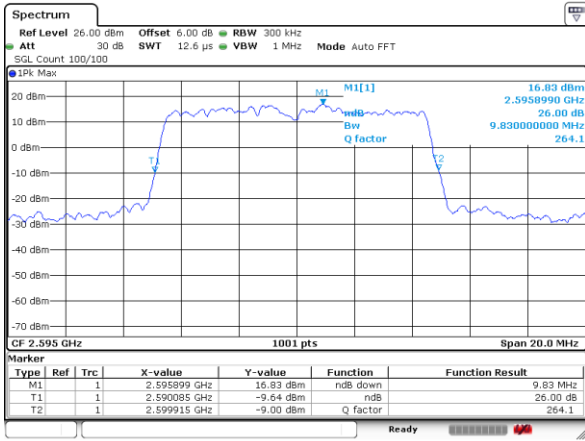
Date: 10\_AUG.2020 06:15:28

Lowest Channel / 10MHz / 16QAM



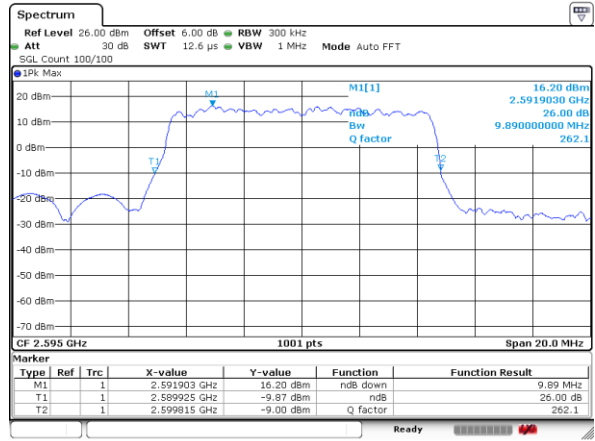
Date: 10\_AUG.2020 06:15:48

Middle Channel / 10MHz / QPSK



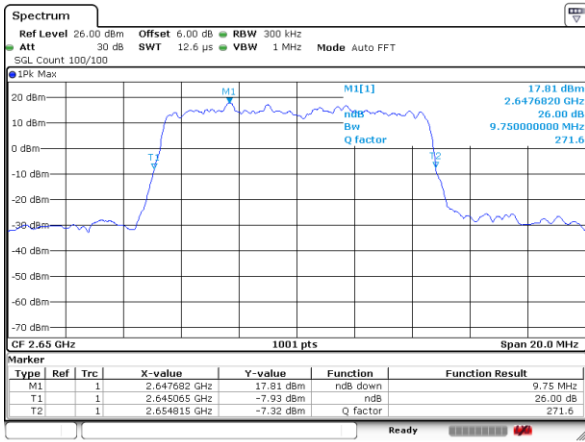
Date: 10\_AUG.2020 06:14:38

Middle Channel / 10MHz / 16QAM



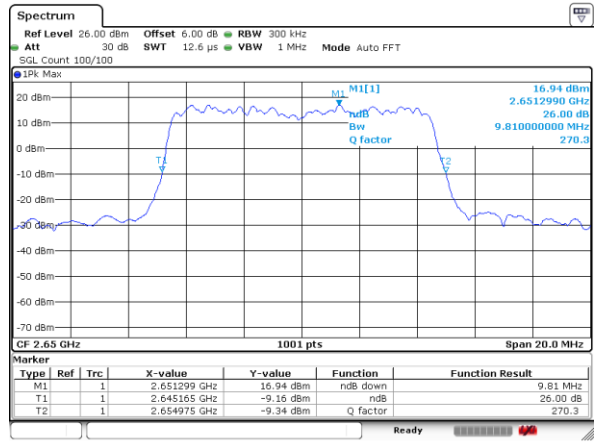
Date: 10\_AUG.2020 06:14:52

Highest Channel / 10MHz / QPSK



Date: 10\_AUG.2020 06:16:07

Highest Channel / 10MHz / 16QAM

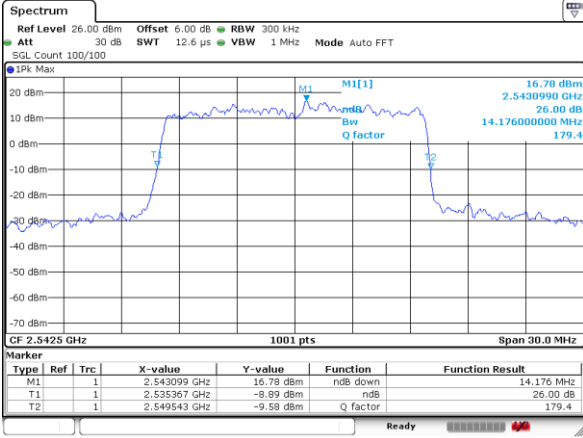


Date: 10\_AUG.2020 06:16:18



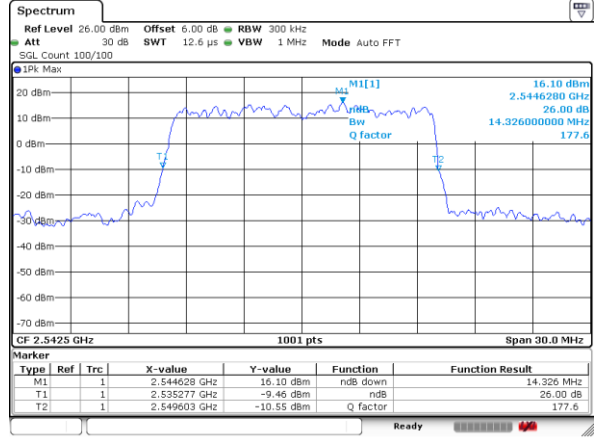
LTE Band 41

Lowest Channel / 15MHz / QPSK



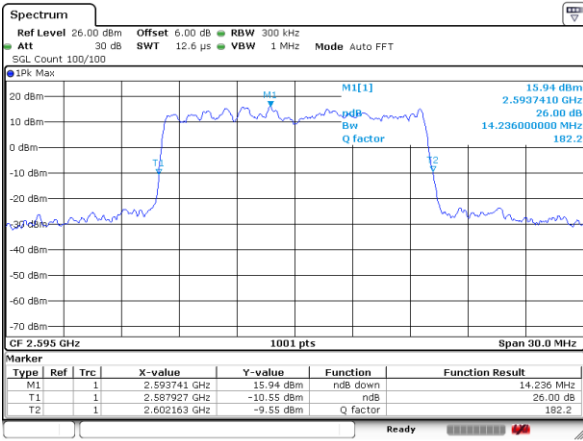
Date: 10\_AUG.2020 06:23:12

Lowest Channel / 15MHz / 16QAM



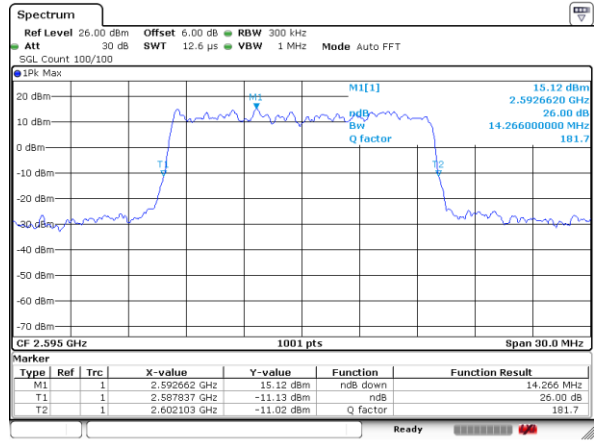
Date: 10\_AUG.2020 06:23:43

Middle Channel / 15MHz / QPSK



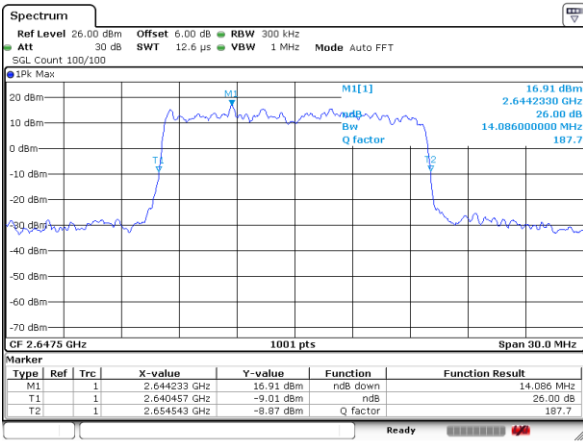
Date: 10\_AUG.2020 06:24:15

Middle Channel / 15MHz / 16QAM



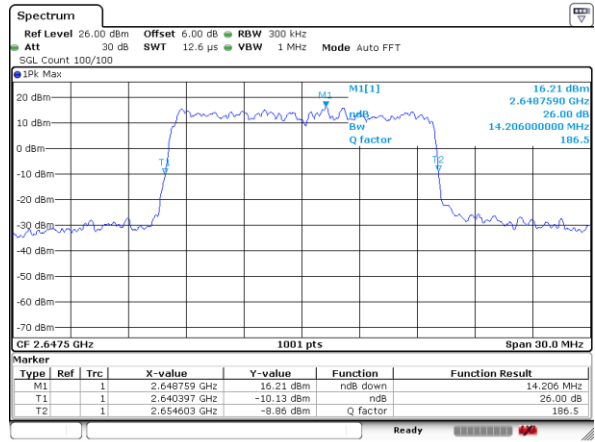
Date: 10\_AUG.2020 06:24:27

Highest Channel / 15MHz / QPSK



Date: 10\_AUG.2020 06:23:02

Highest Channel / 15MHz / 16QAM

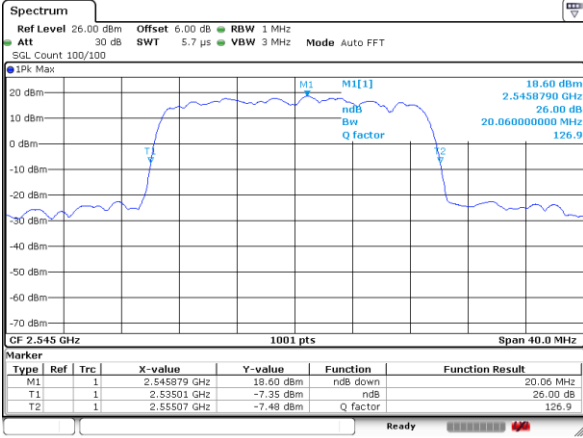


Date: 10\_AUG.2020 06:23:12



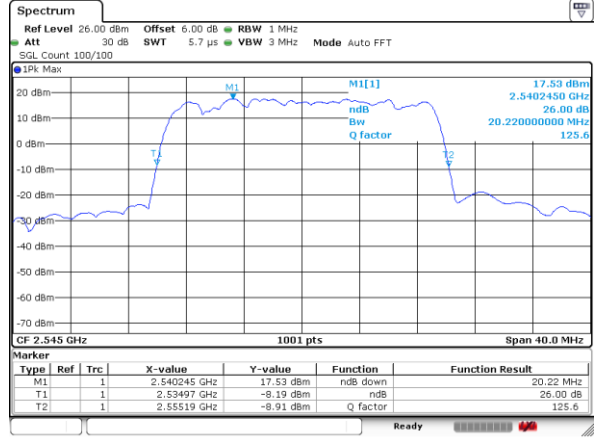
LTE Band 41

Lowest Channel / 20MHz / QPSK



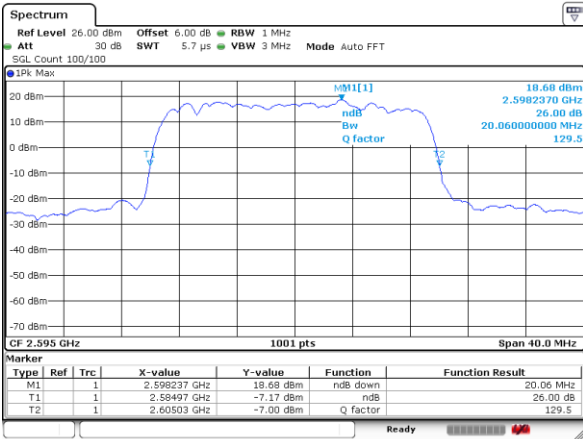
Date: 10\_AUG.2020 06:27:01

Lowest Channel / 20MHz / 16QAM



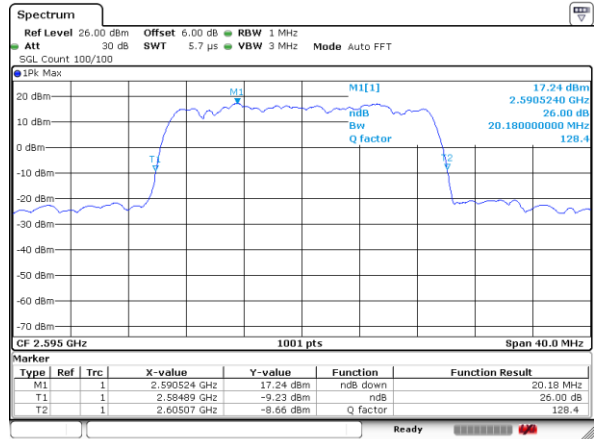
Date: 10\_AUG.2020 06:12:16

Middle Channel / 20MHz / QPSK



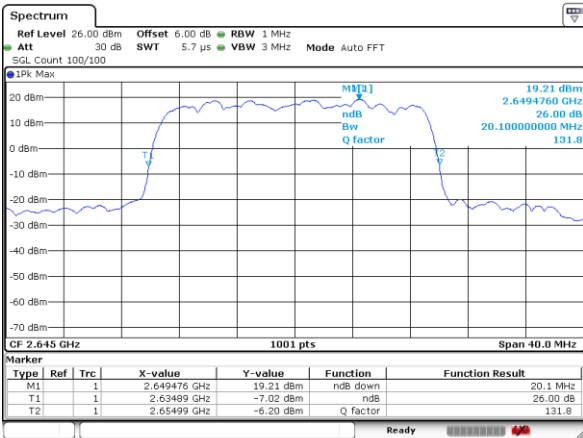
Date: 10\_AUG.2020 06:12:15

Middle Channel / 20MHz / 16QAM



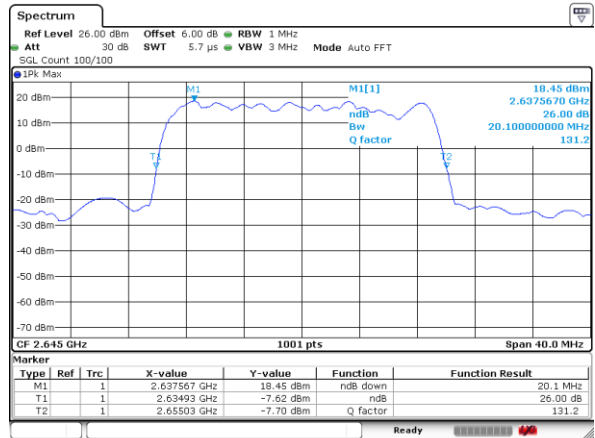
Date: 10\_AUG.2020 06:12:14

Highest Channel / 20MHz / QPSK



Date: 10\_AUG.2020 06:12:45

Highest Channel / 20MHz / 16QAM



Date: 10\_AUG.2020 06:12:03



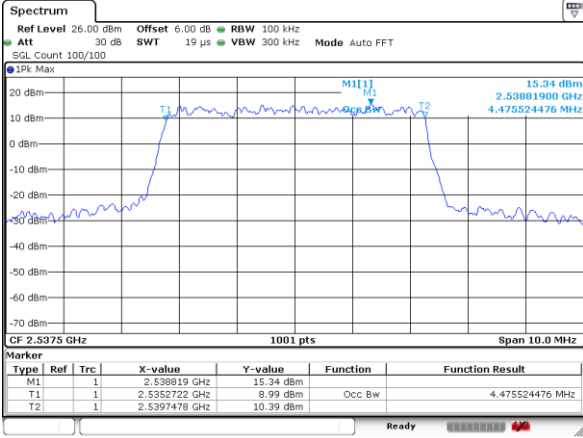
### Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
	5MHz		10MHz		15MHz		20MHz					
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	4.48	4.50	8.95	9.05	13.37	13.49	18.14	18.22				
Middle CH	4.50	4.49	9.03	8.97	13.40	13.40	18.50	18.30				
Highest CH	4.49	4.50	9.07	9.03	13.43	13.34	18.10	18.34				



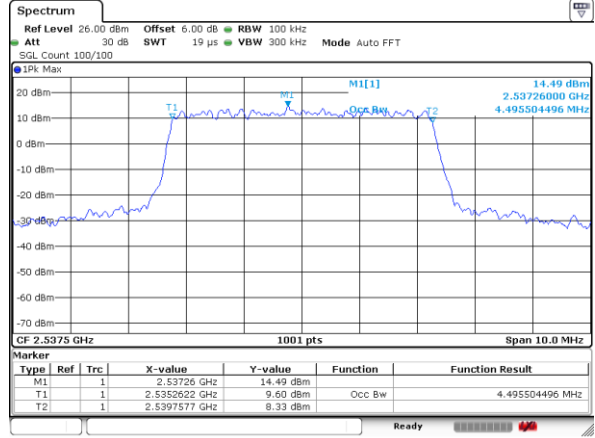
LTE Band 41

Lowest Channel / 5MHz / QPSK



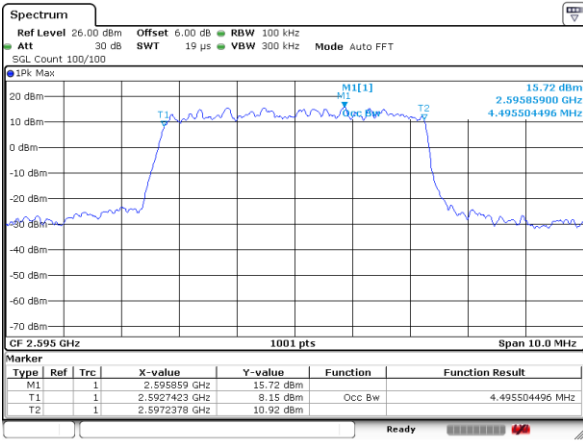
Date: 10\_AUG.2020 06:09:11

Lowest Channel / 5MHz / 16QAM



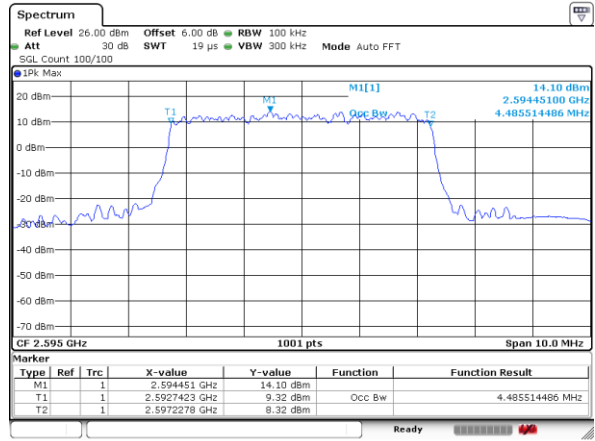
Date: 10\_AUG.2020 06:10:26

Middle Channel / 5MHz / QPSK



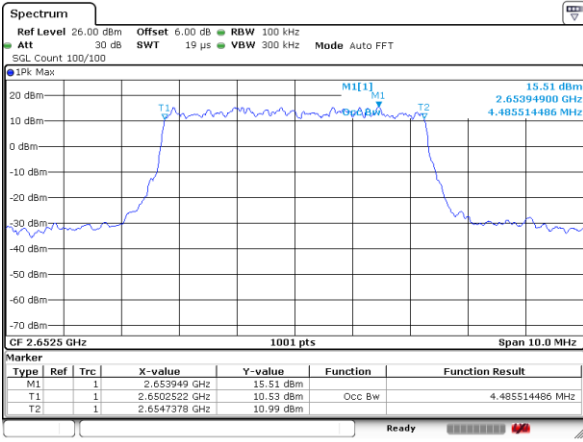
Date: 10\_AUG.2020 06:07:17

Middle Channel / 5MHz / 16QAM



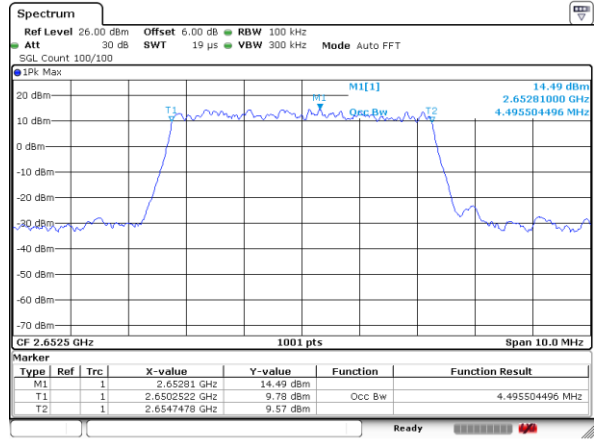
Date: 10\_AUG.2020 06:10:50

Highest Channel / 5MHz / QPSK



Date: 10\_AUG.2020 06:10:23

Highest Channel / 5MHz / 16QAM



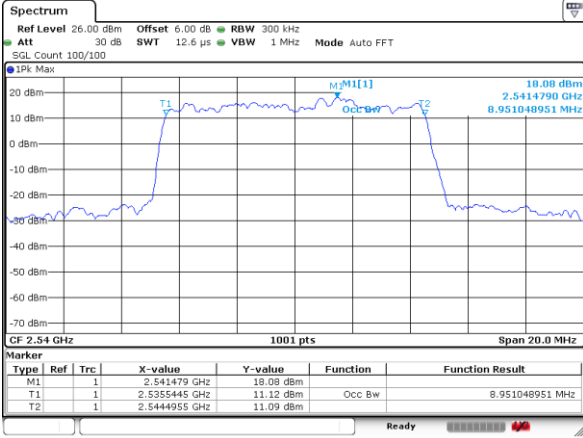
Date: 10\_AUG.2020 06:10:42





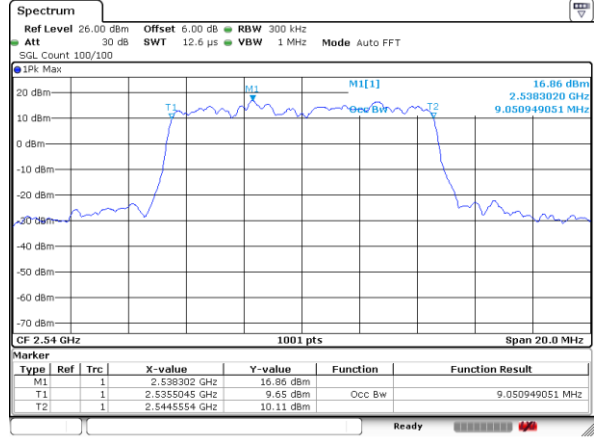
LTE Band 41

Lowest Channel / 10MHz / QPSK



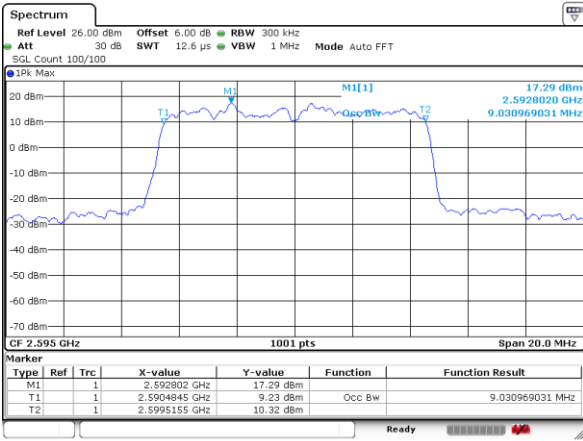
Date: 10\_AUG.2020 06:17:43

Lowest Channel / 10MHz / 16QAM



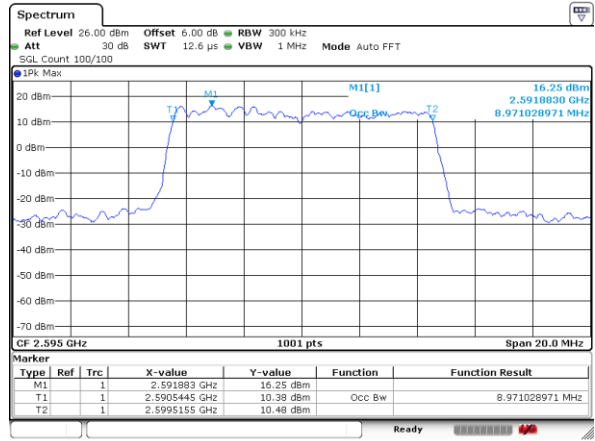
Date: 10\_AUG.2020 06:17:59

Middle Channel / 10MHz / QPSK



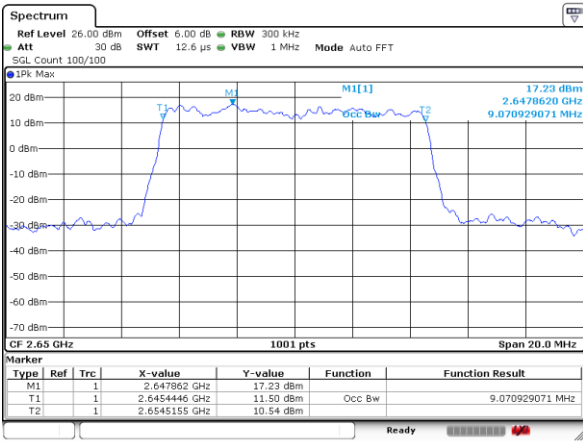
Date: 10\_AUG.2020 06:18:31

Middle Channel / 10MHz / 16QAM



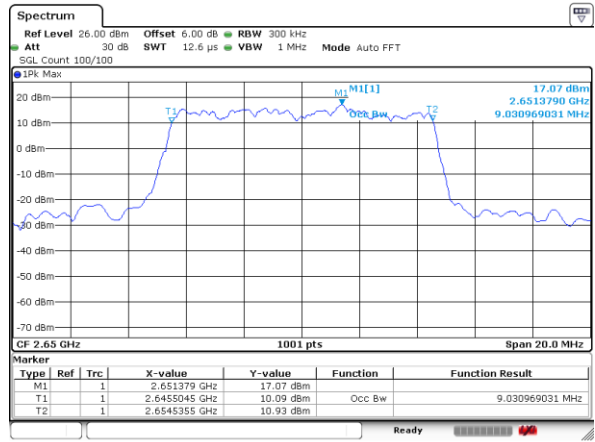
Date: 10\_AUG.2020 06:18:44

Highest Channel / 10MHz / QPSK



Date: 10\_AUG.2020 06:16:54

Highest Channel / 10MHz / 16QAM

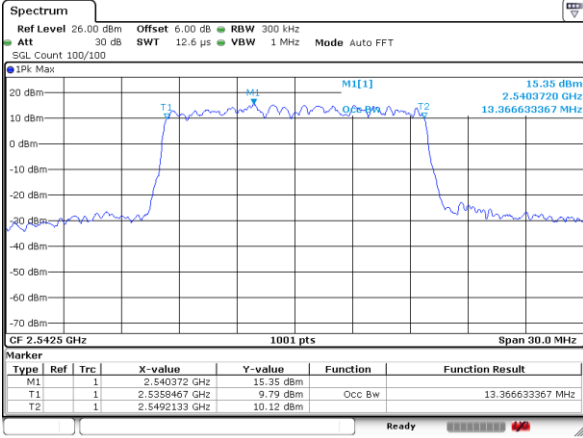


Date: 10\_AUG.2020 06:17:18



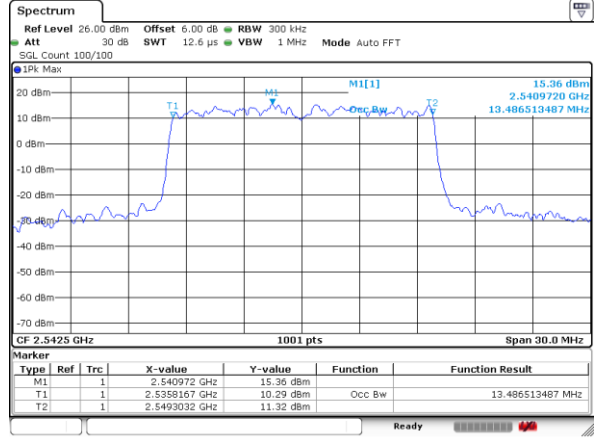
LTE Band 41

Lowest Channel / 15MHz / QPSK



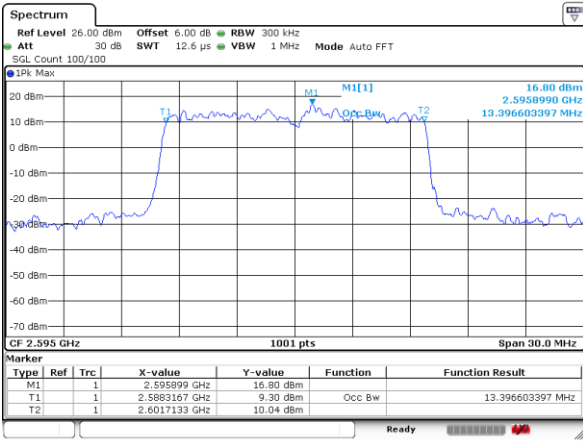
Date: 10\_AUG.2020 06:21:10

Lowest Channel / 15MHz / 16QAM



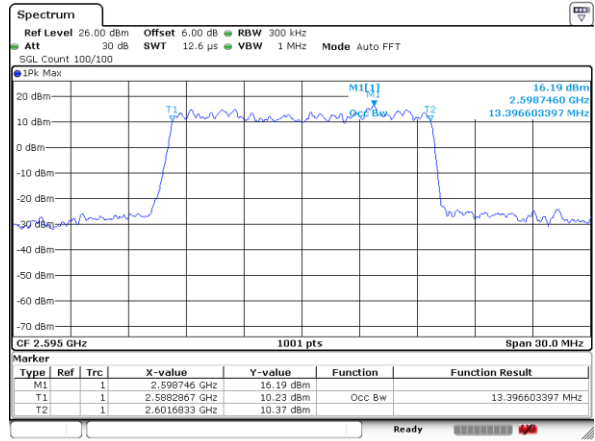
Date: 10\_AUG.2020 06:21:37

Middle Channel / 15MHz / QPSK



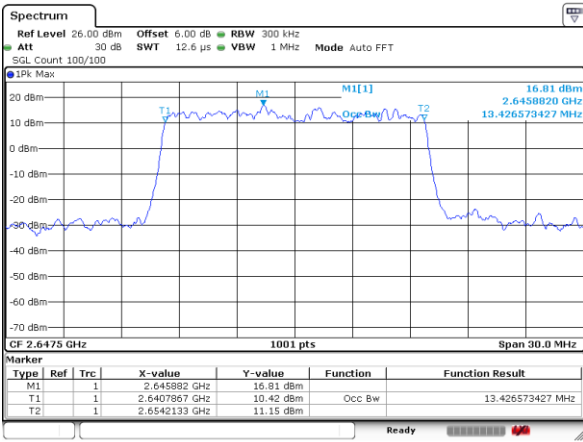
Date: 10\_AUG.2020 06:20:34

Middle Channel / 15MHz / 16QAM



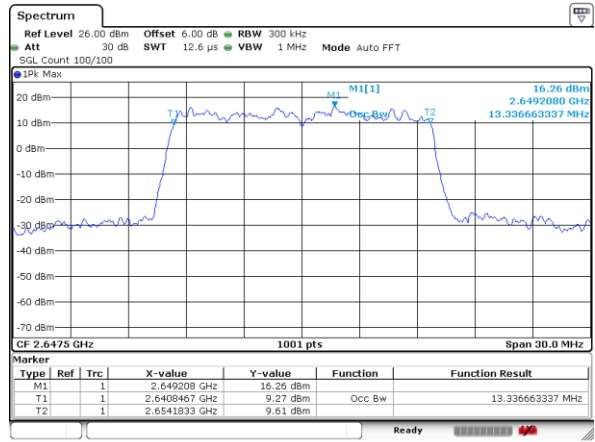
Date: 10\_AUG.2020 06:22:45

Highest Channel / 15MHz / QPSK



Date: 10\_AUG.2020 06:22:12

Highest Channel / 15MHz / 16QAM

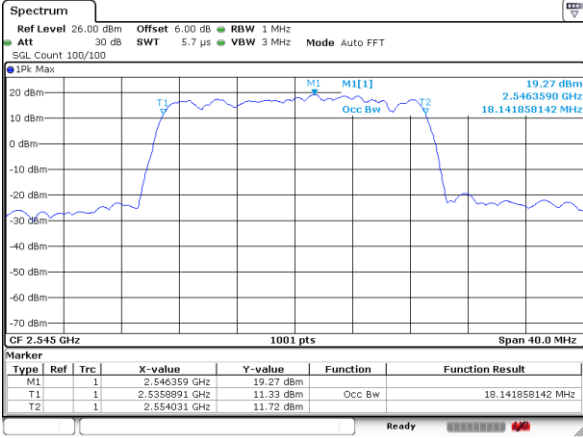


Date: 10\_AUG.2020 06:22:21



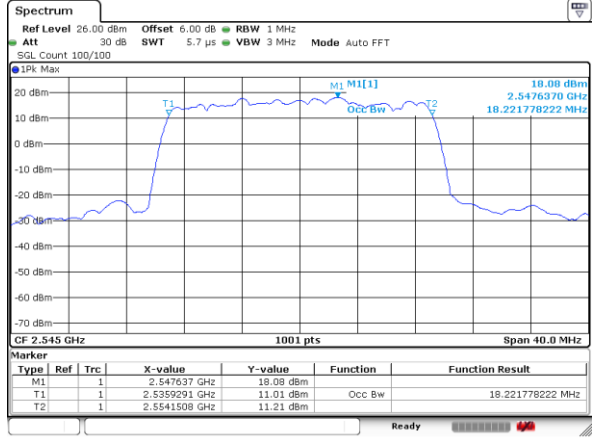
LTE Band 41

Lowest Channel / 20MHz / QPSK



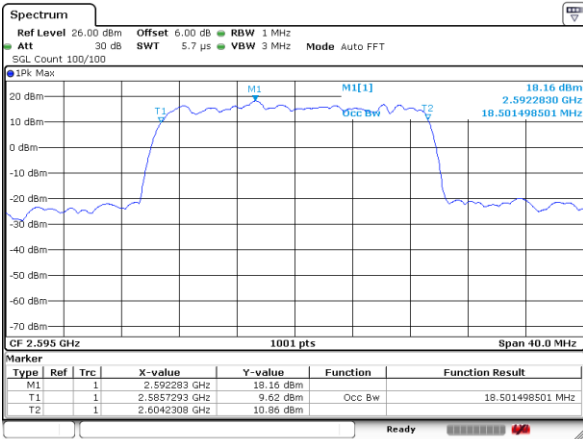
Date: 10\_AUG.2020 06:29:14

Lowest Channel / 20MHz / 16QAM



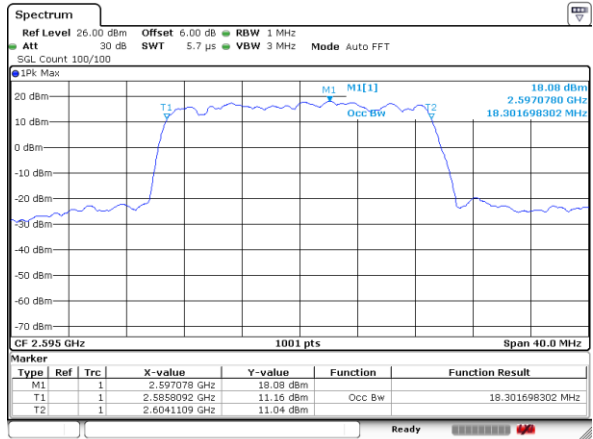
Date: 10\_AUG.2020 06:13:12

Middle Channel / 20MHz / QPSK



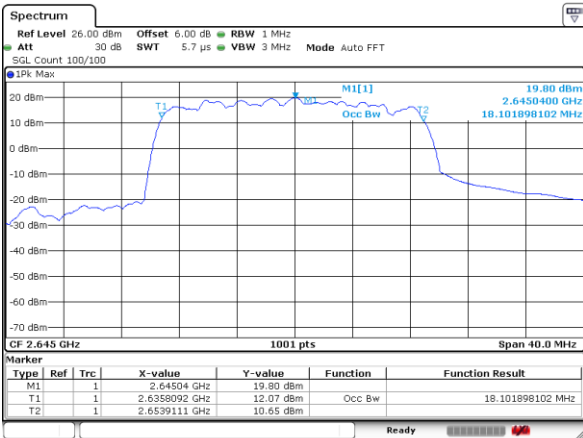
Date: 10\_AUG.2020 06:29:15

Middle Channel / 20MHz / 16QAM



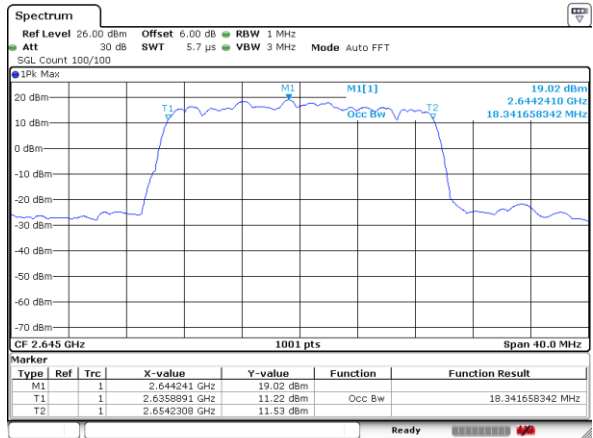
Date: 10\_AUG.2020 06:12:32

Highest Channel / 20MHz / QPSK



Date: 10\_AUG.2020 06:28:39

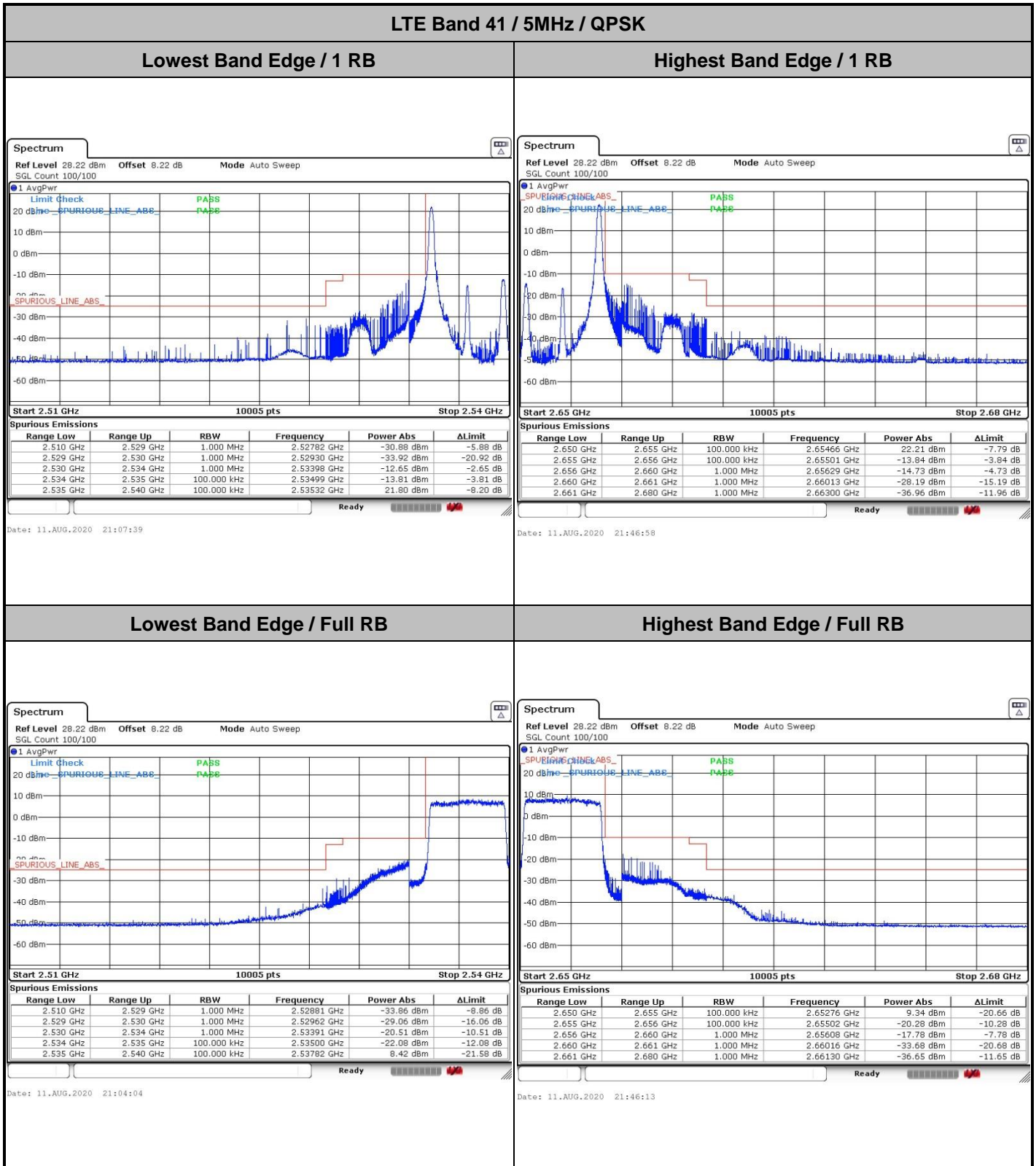
Highest Channel / 20MHz / 16QAM



Date: 10\_AUG.2020 06:28:55



# Conducted Band Edge

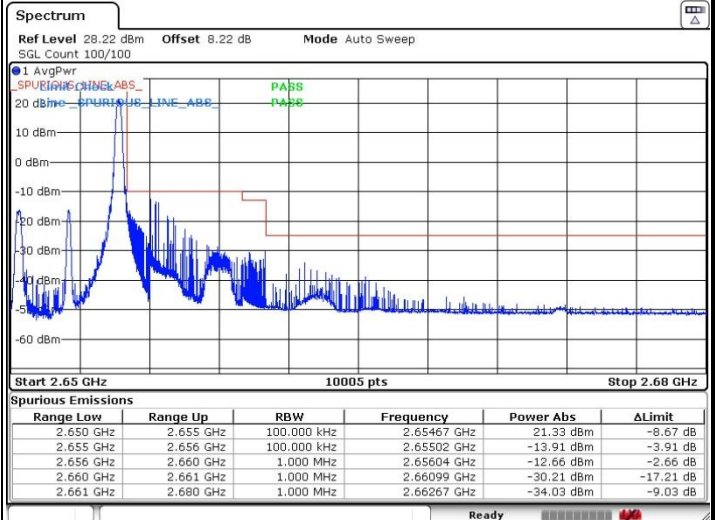
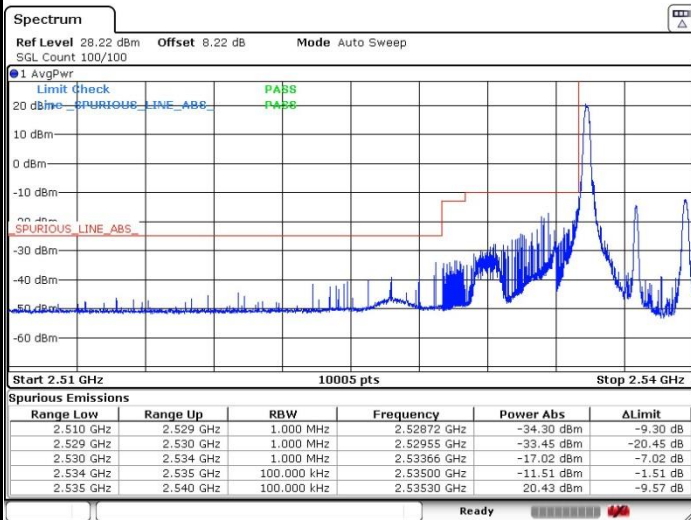




LTE Band 41 / 5MHz / 16QAM

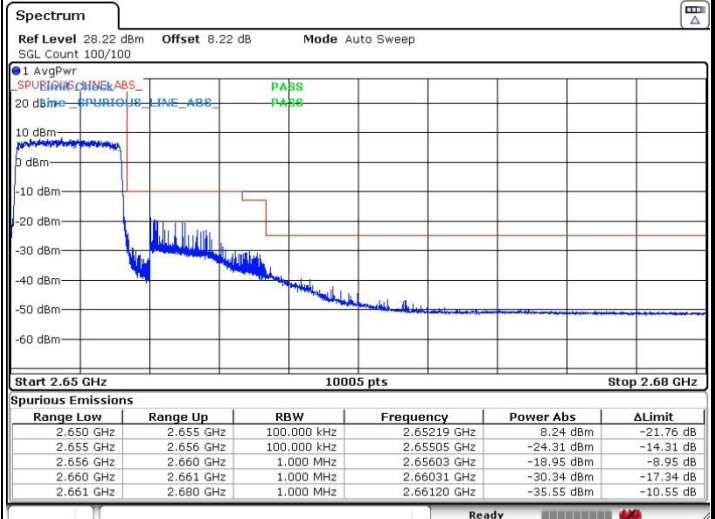
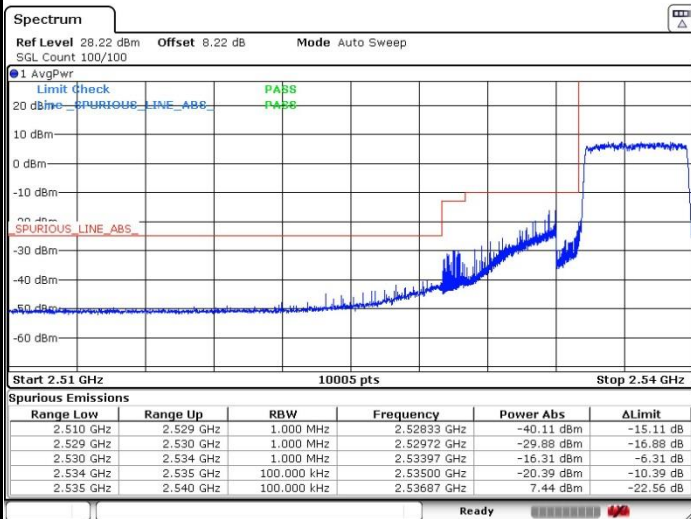
Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

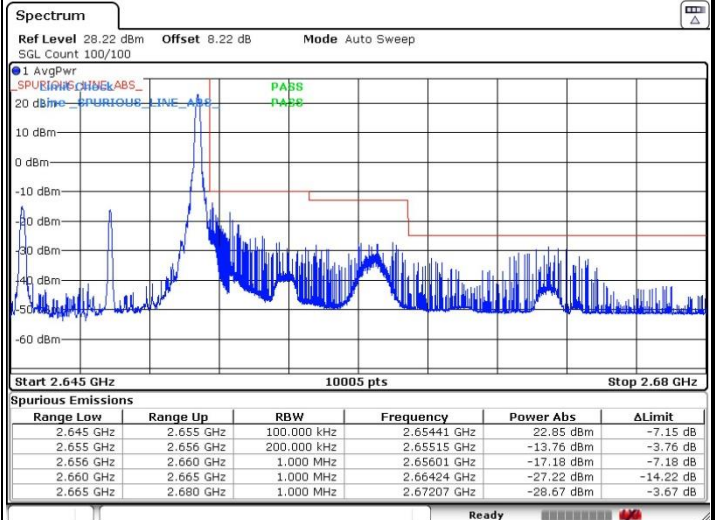
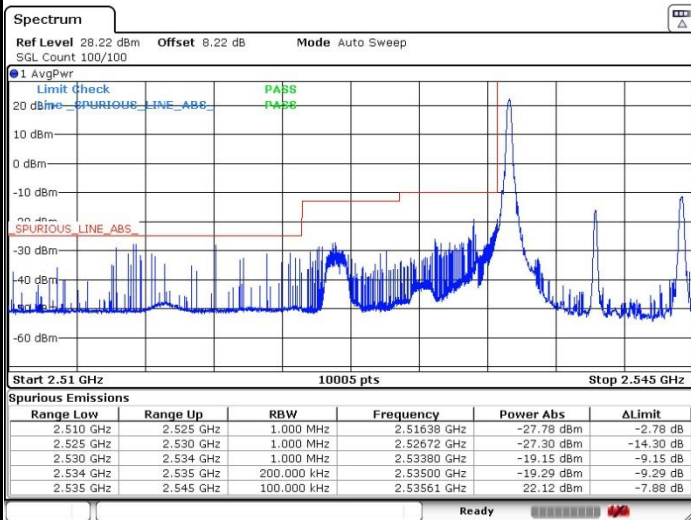




LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

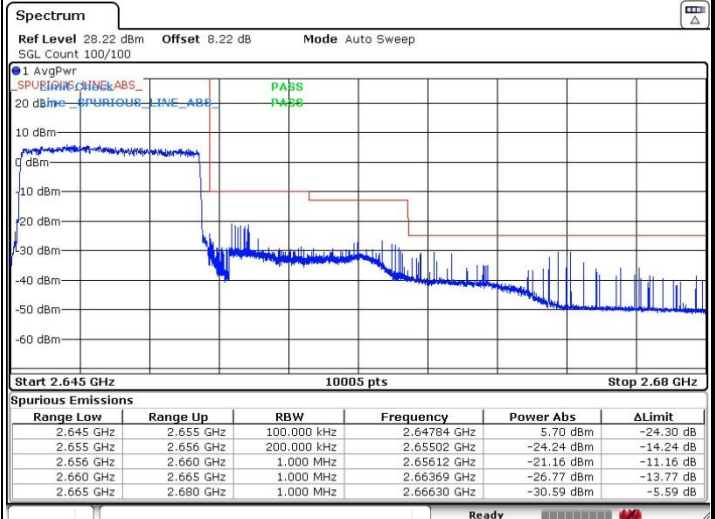
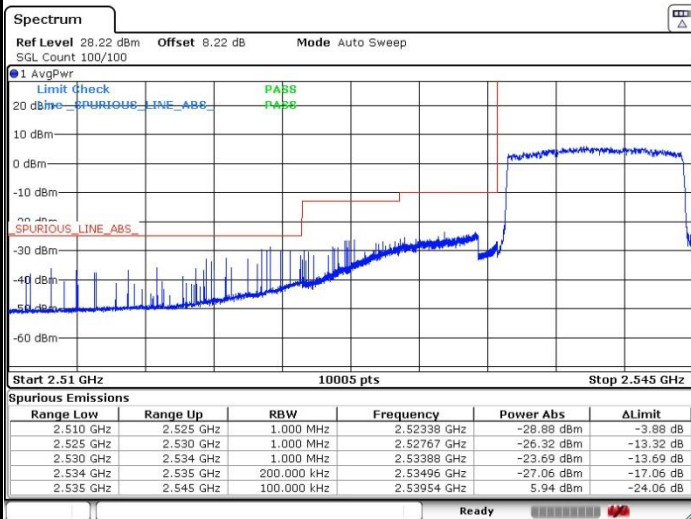


Date: 11.AUG.2020 21:11:53

Date: 11.AUG.2020 21:42:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.AUG.2020 21:10:40

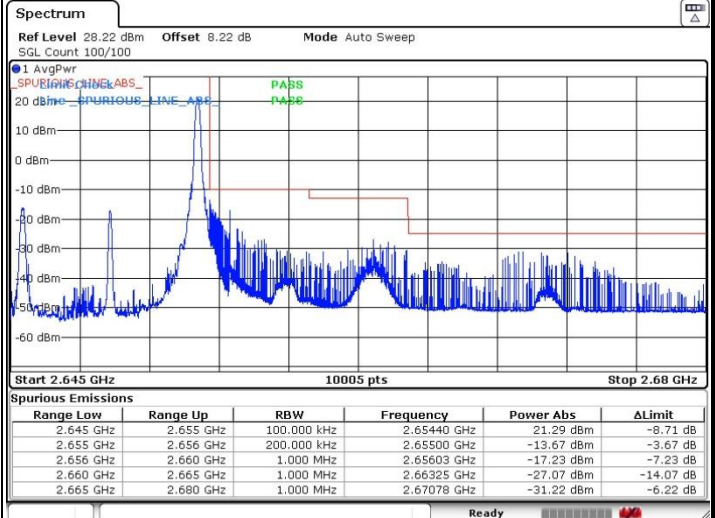
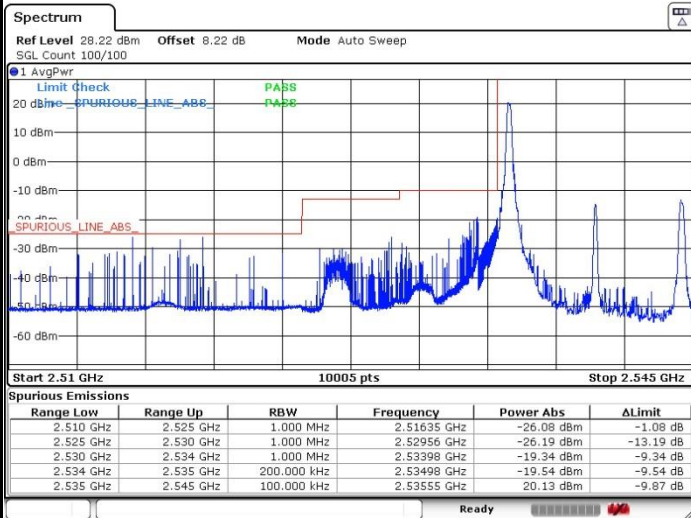
Date: 11.AUG.2020 21:40:39



LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

