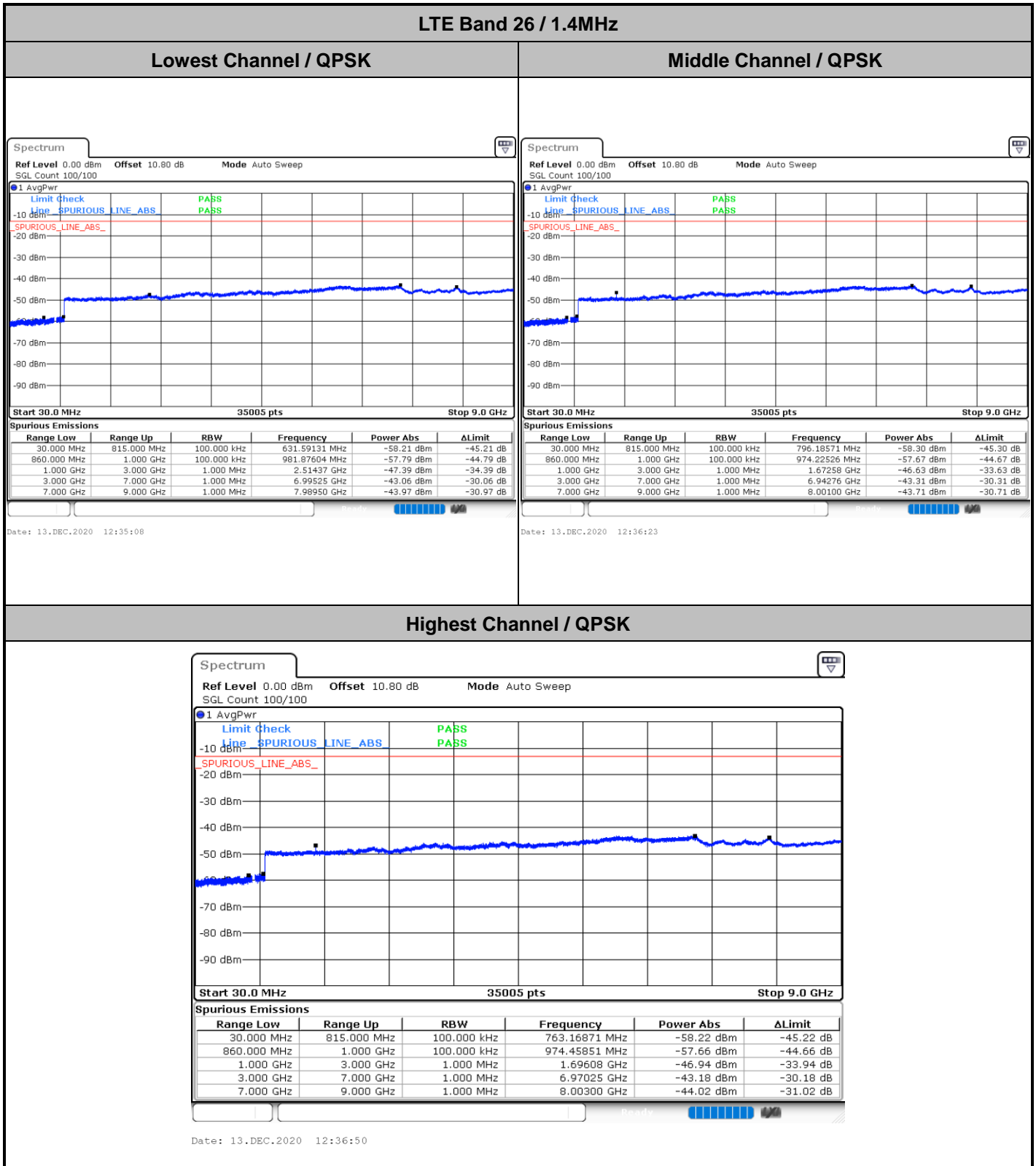




Conducted Spurious Emission

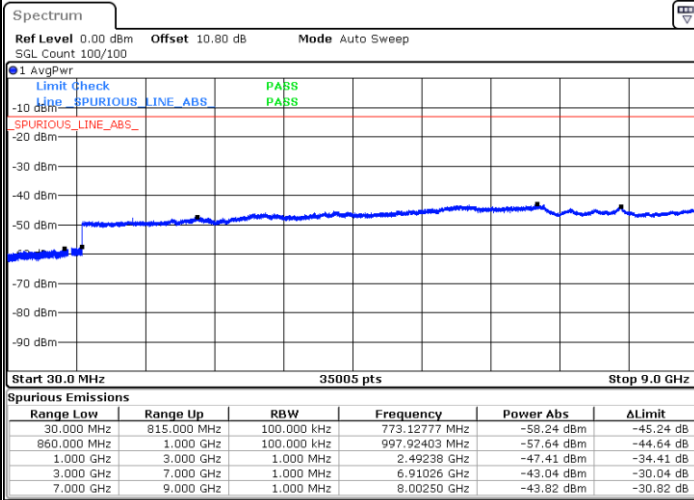




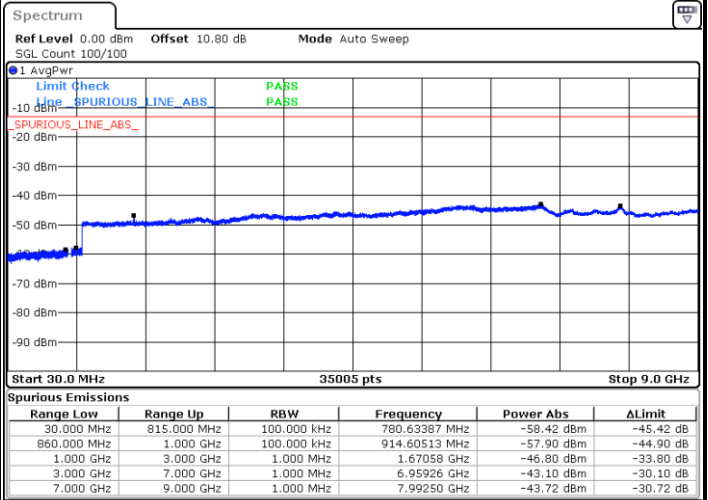
LTE Band 26 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

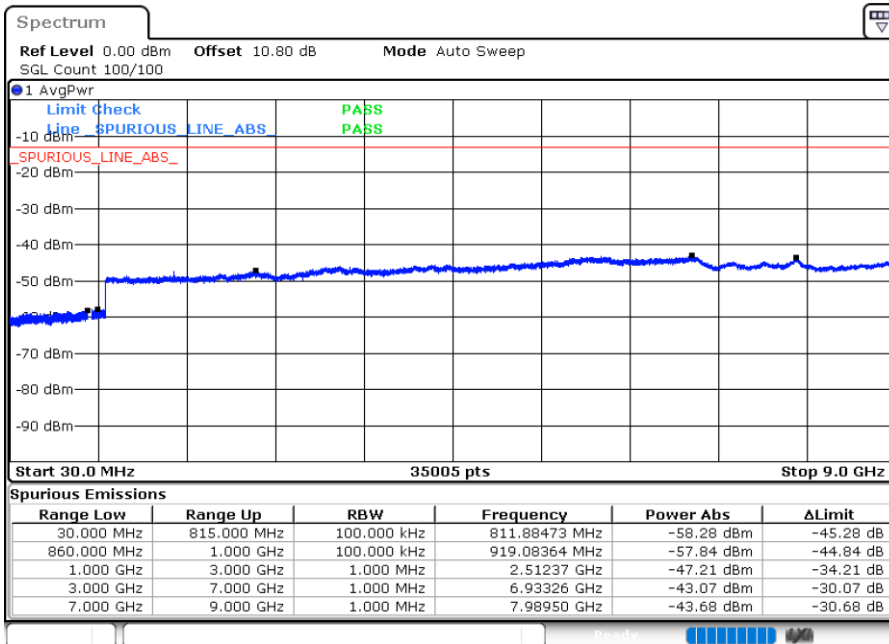


Date: 13.DEC.2020 12:38:06



Date: 13.DEC.2020 12:39:22

Highest Channel / QPSK



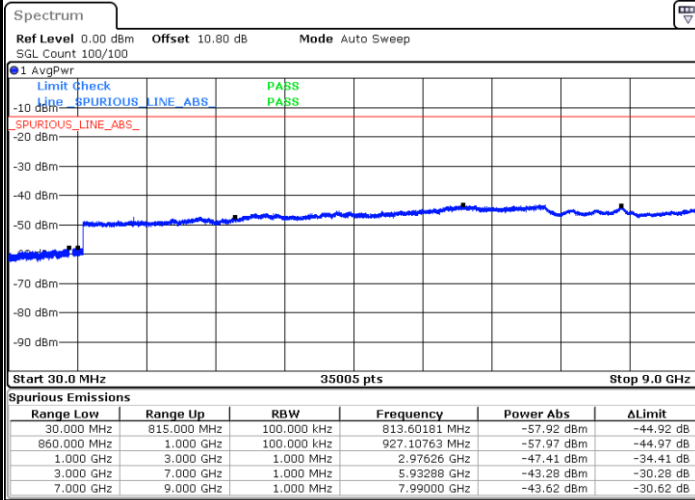
Date: 13.DEC.2020 12:39:49



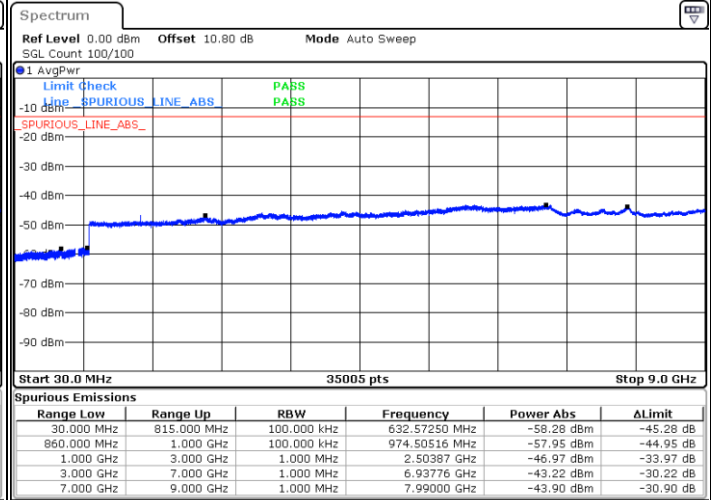
LTE Band 26 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

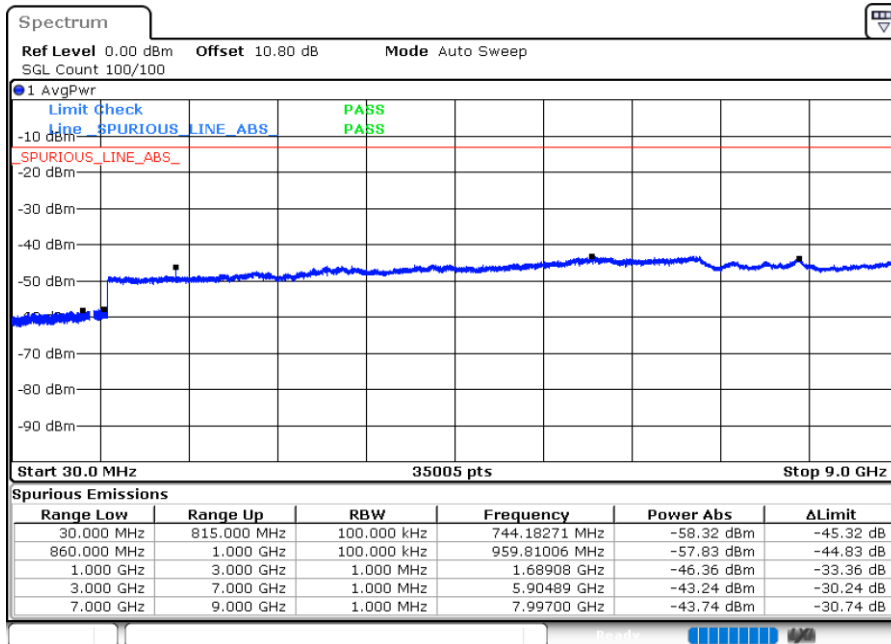


Date: 13.DEC.2020 12:42:36



Date: 13.DEC.2020 12:43:52

Highest Channel / QPSK



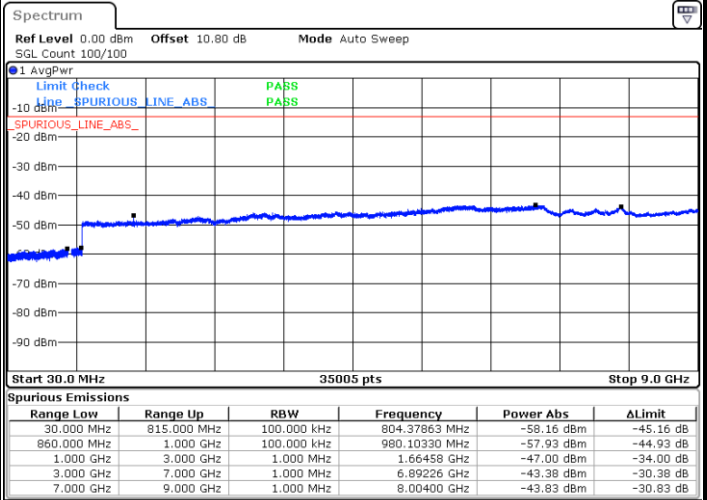
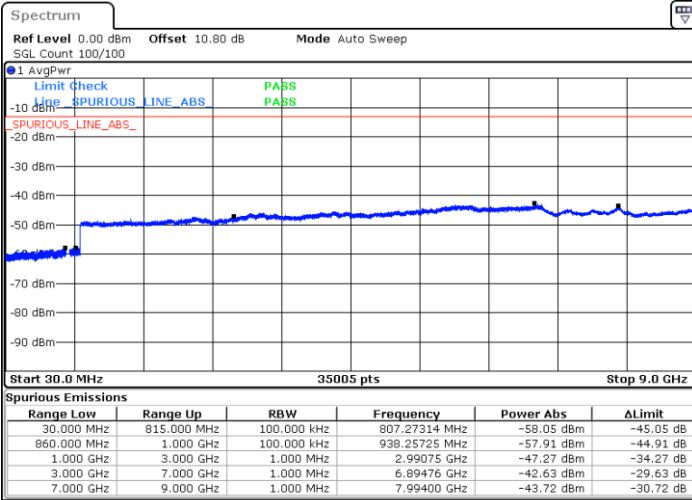
Date: 13.DEC.2020 12:46:38



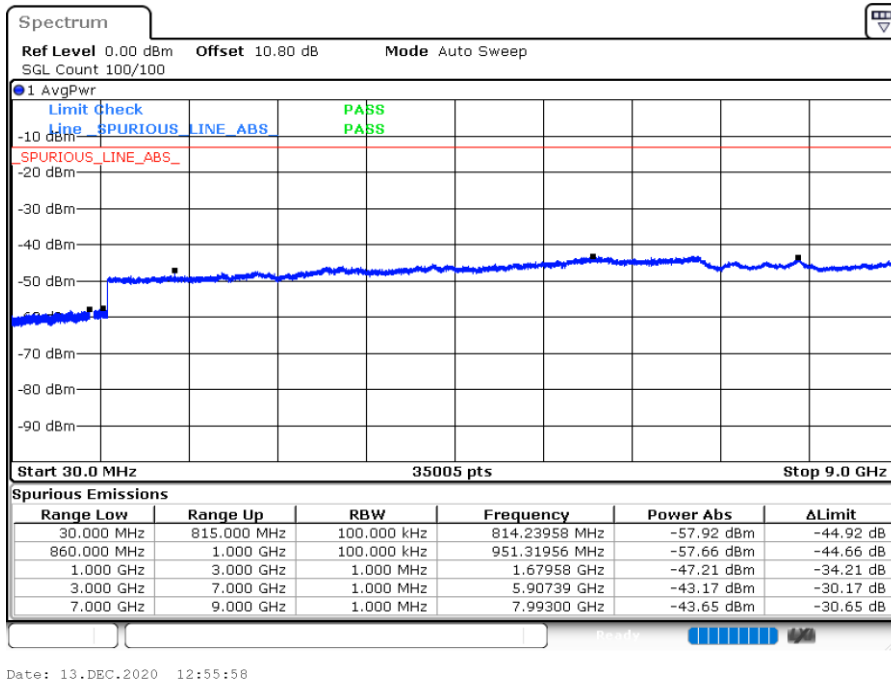
LTE Band 26 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



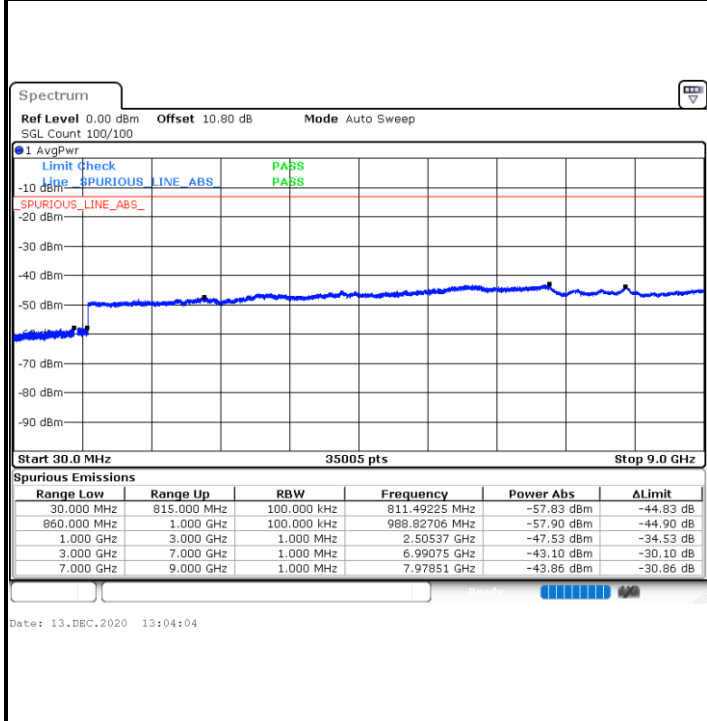
Highest Channel / QPSK



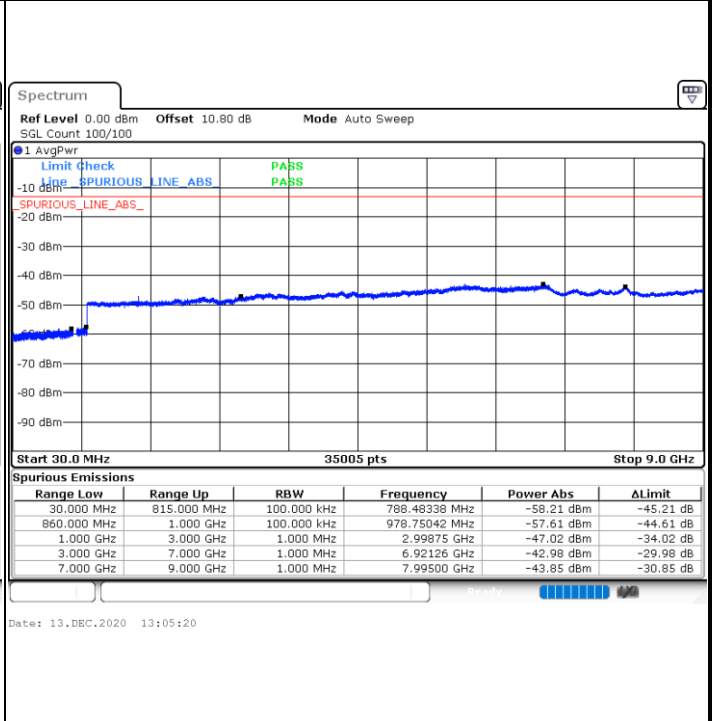


LTE Band 26 / 15MHz

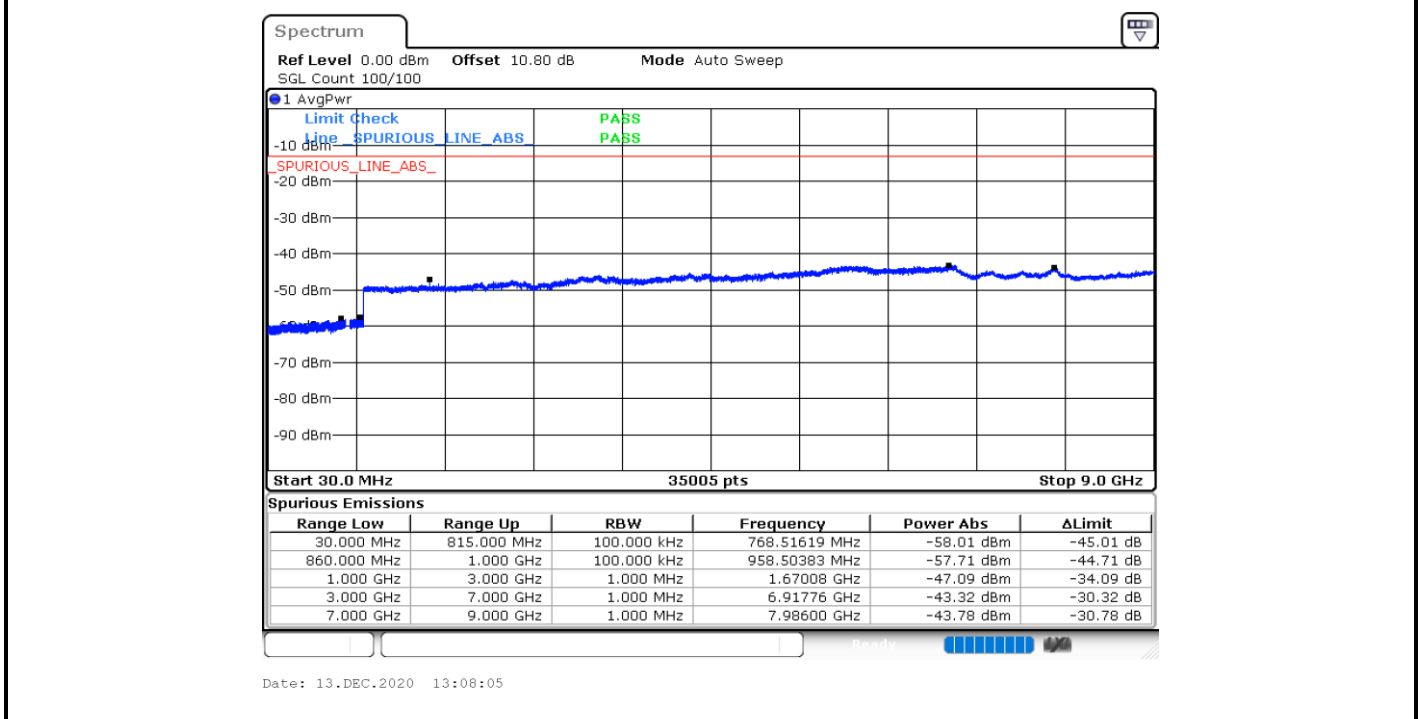
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0128	PASS
40	Normal Voltage	0.0166	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0128	
0	Normal Voltage	0.0159	
-10	Normal Voltage	0.0178	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0066	
20	Normal Voltage	0.0128	
20	Battery End Point	0.0036	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

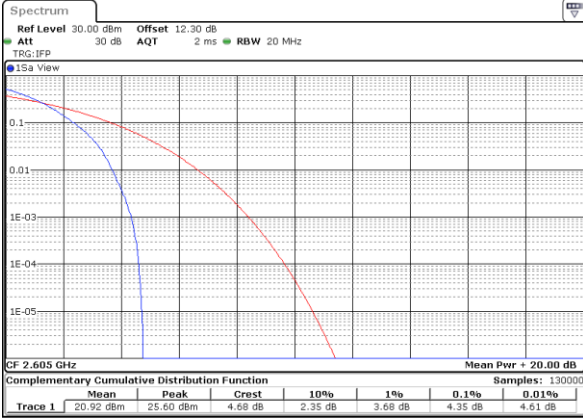
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.35	5.71	6.23	PASS



LTE Band 41 / 20MHz / QPSK

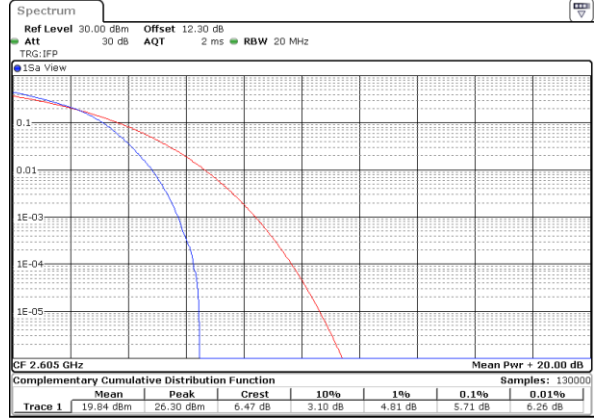
Middle Channel / Full RB



Date: 13. DEC. 2020 17:136:32

LTE Band 41 / 20MHz / 16QAM

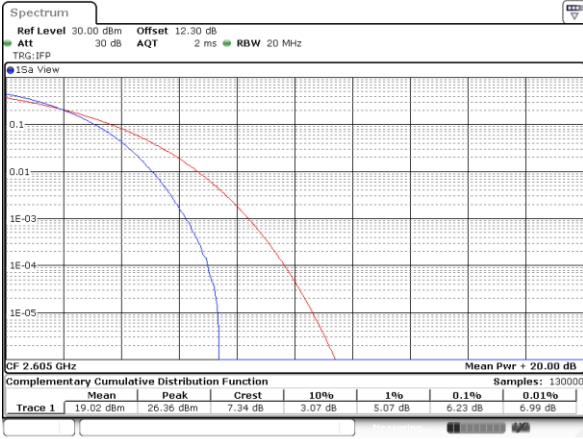
Middle Channel / Full RB



Date: 13. DEC. 2020 17:136:11

LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB



Date: 13. DEC. 2020 17:135:51



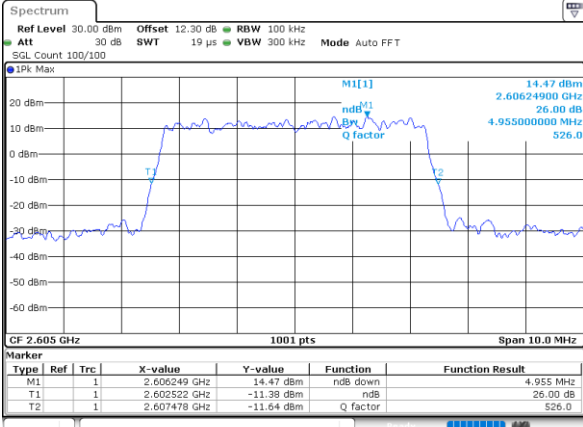
26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.96	4.77	9.71	9.75	14.36	14.21	18.78	18.66
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.78	-	9.59	-	14.21	-	18.86	-



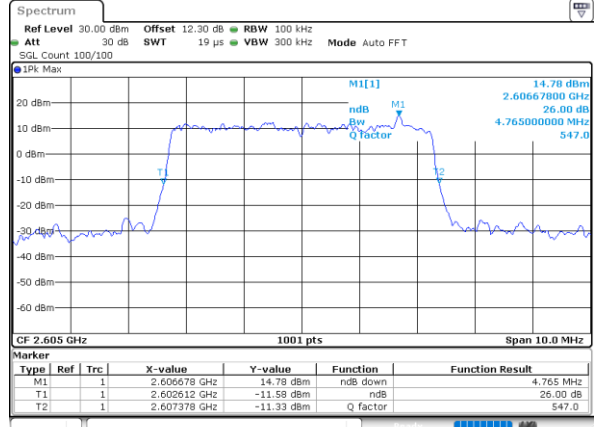
LTE Band 41

Middle Channel / 5MHz / QPSK



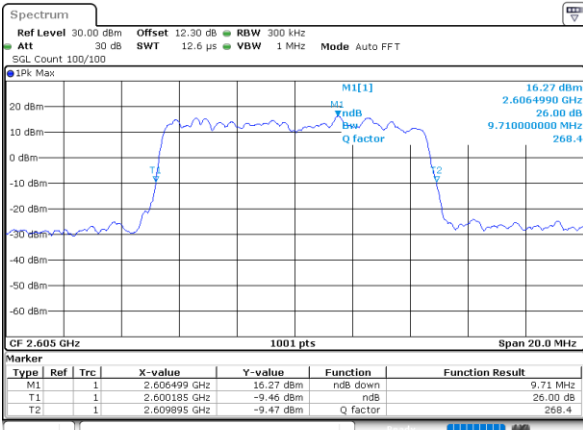
Date: 13.DEC.2020 17:12:37

Middle Channel / 5MHz / 16QAM



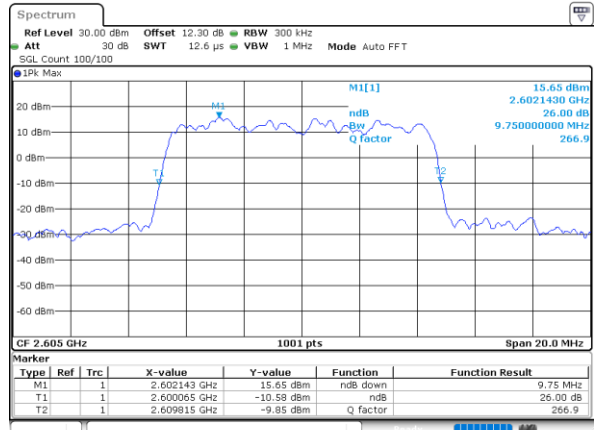
Date: 13.DEC.2020 17:12:49

Middle Channel / 10MHz / QPSK



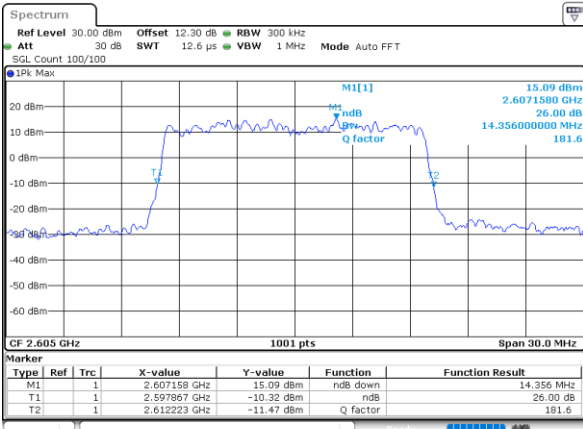
Date: 13.DEC.2020 17:13:25

Middle Channel / 10MHz / 16QAM



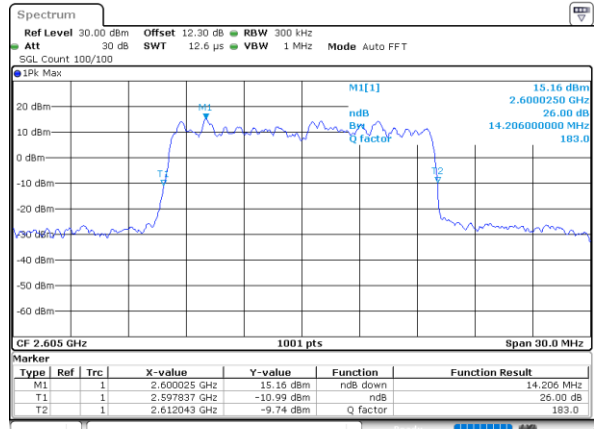
Date: 13.DEC.2020 17:13:37

Middle Channel / 15MHz / QPSK



Date: 13.DEC.2020 17:14:13

Middle Channel / 15MHz / 16QAM

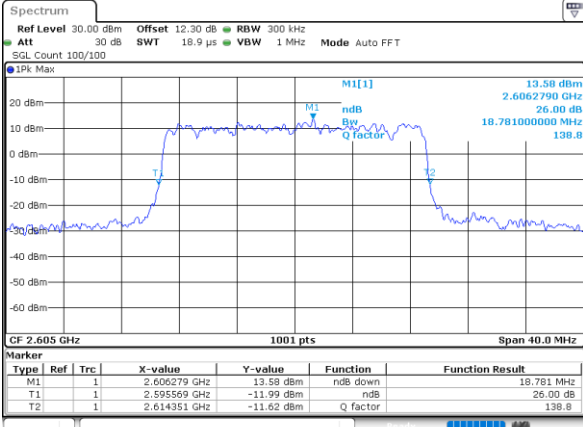


Date: 13.DEC.2020 17:14:24



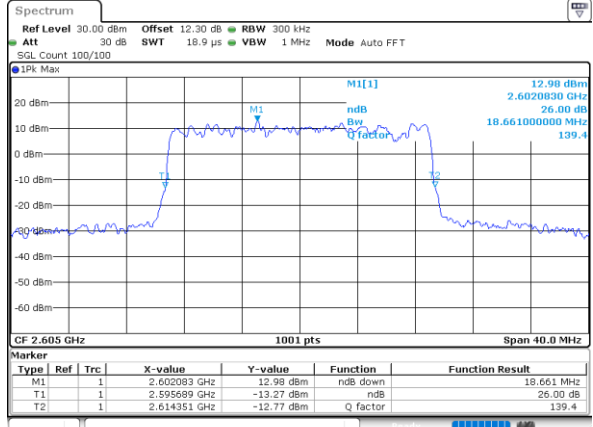
LTE Band 41

Middle Channel / 20MHz / QPSK



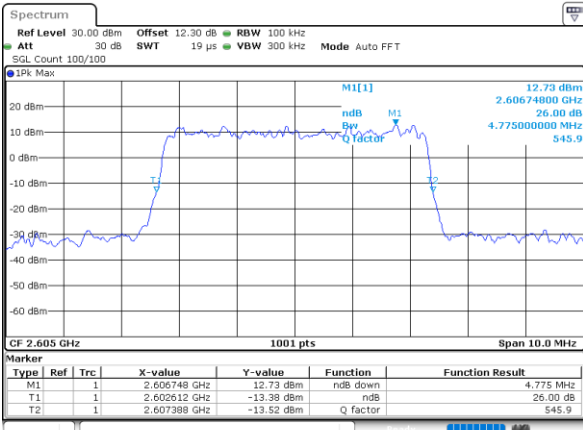
Date: 13. DEC. 2020 17:15:00

Middle Channel / 20MHz / 16QAM



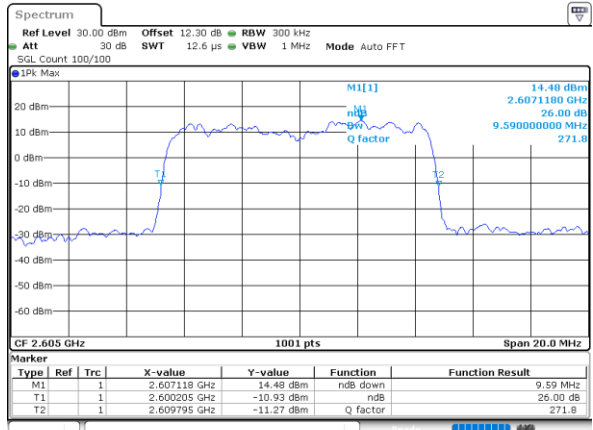
Date: 13. DEC. 2020 17:15:12

Middle Channel / 5MHz / 64QAM



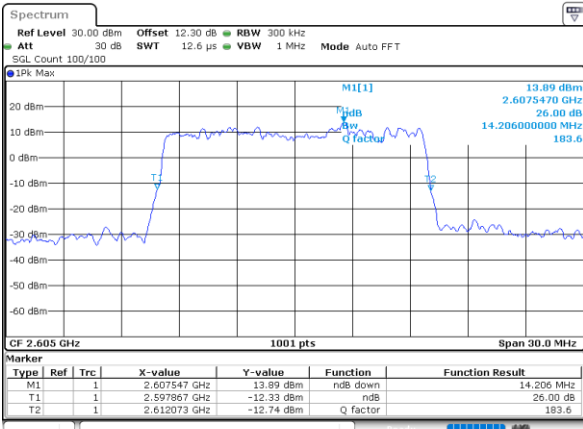
Date: 13. DEC. 2020 17:15:06

Middle Channel / 10MHz / 64QAM



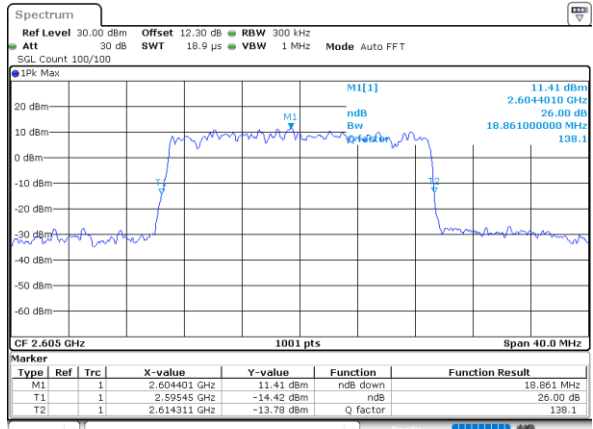
Date: 13. DEC. 2020 17:16:01

Middle Channel / 15MHz / 64QAM



Date: 13. DEC. 2020 17:16:25

Middle Channel / 20MHz / 64QAM



Date: 13. DEC. 2020 17:16:49



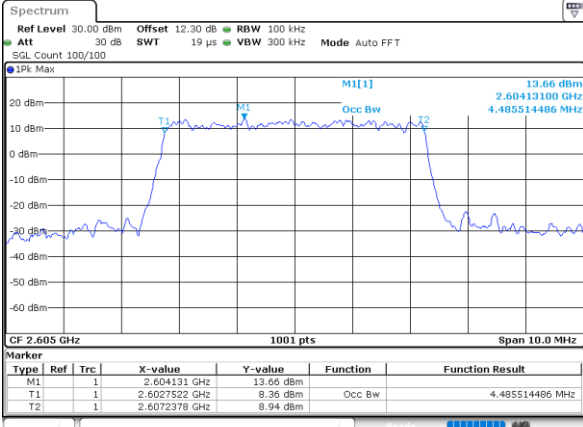
Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.47	9.03	8.97	13.40	13.40	17.90	17.86
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.51	-	8.97	-	13.46	-	17.82	-



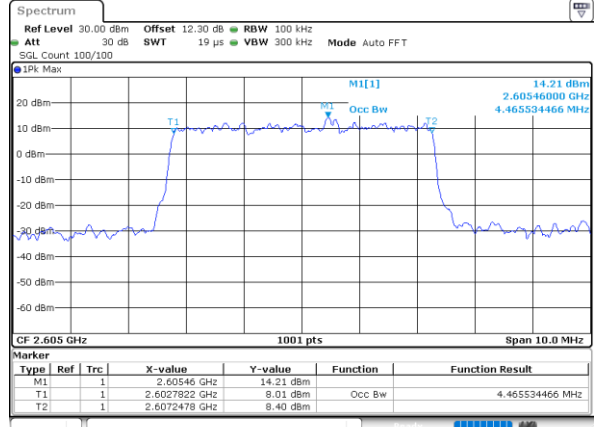
LTE Band 41

Middle Channel / 5MHz / QPSK



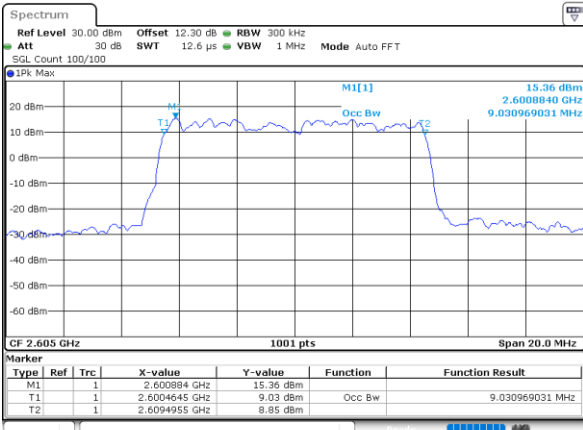
Date: 13. DEC. 2020 17:12:13

Middle Channel / 5MHz / 16QAM



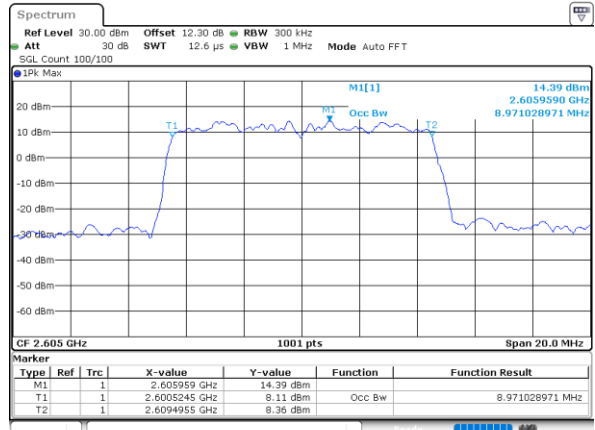
Date: 13. DEC. 2020 17:12:25

Middle Channel / 10MHz / QPSK



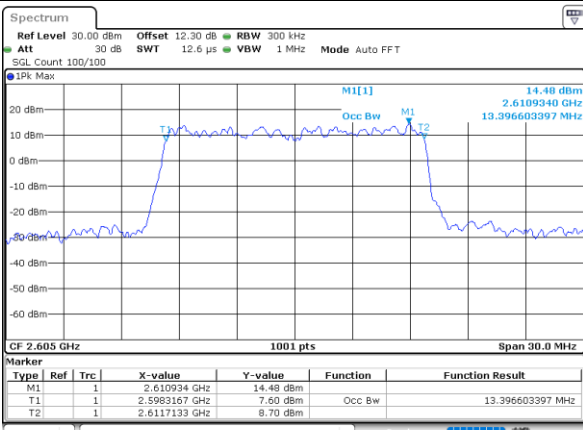
Date: 13. DEC. 2020 17:13:01

Middle Channel / 10MHz / 16QAM



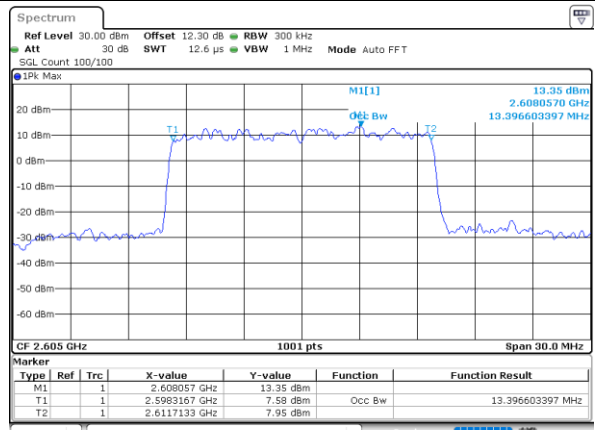
Date: 13. DEC. 2020 17:13:13

Middle Channel / 15MHz / QPSK



Date: 13. DEC. 2020 17:13:49

Middle Channel / 15MHz / 16QAM

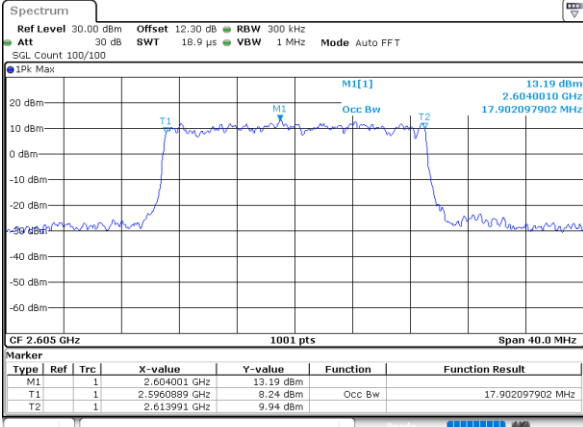


Date: 13. DEC. 2020 17:14:01



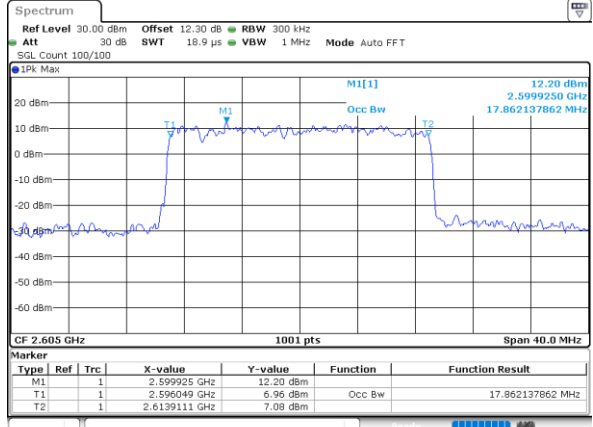
LTE Band 41

Middle Channel / 20MHz / QPSK



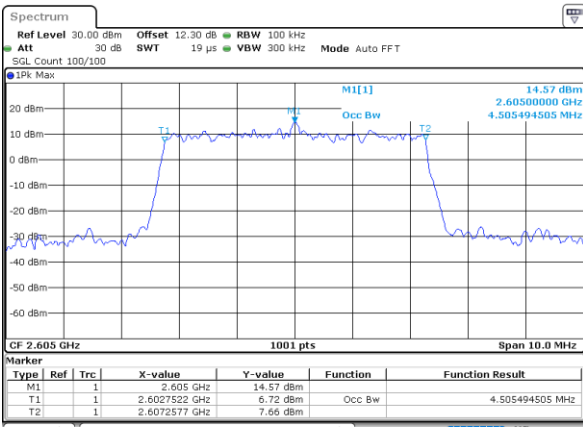
Date: 13.DEC.2020 17:14:37

Middle Channel / 20MHz / 16QAM



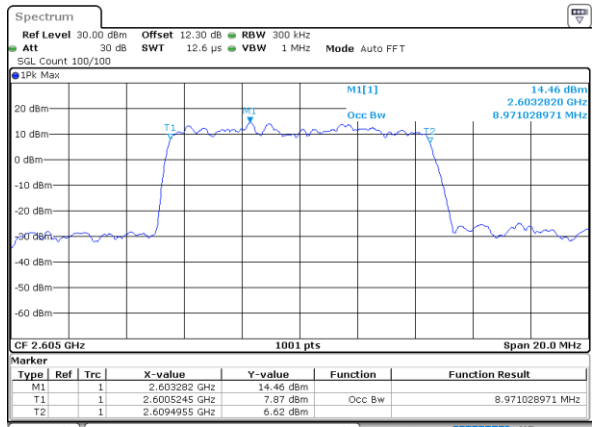
Date: 13.DEC.2020 17:14:49

Middle Channel / 5MHz / 64QAM



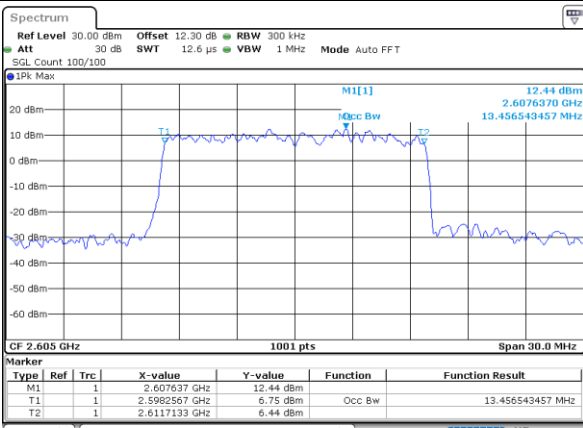
Date: 13.DEC.2020 17:15:25

Middle Channel / 10MHz / 64QAM



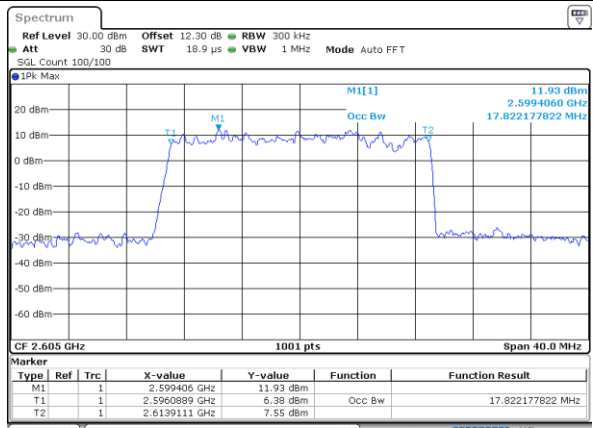
Date: 13.DEC.2020 17:15:49

Middle Channel / 15MHz / 64QAM



Date: 13.DEC.2020 17:16:13

Middle Channel / 20MHz / 64QAM



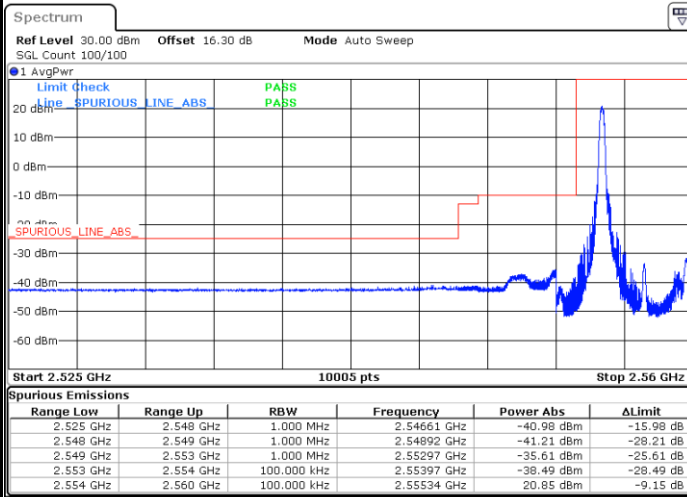
Date: 13.DEC.2020 17:16:37



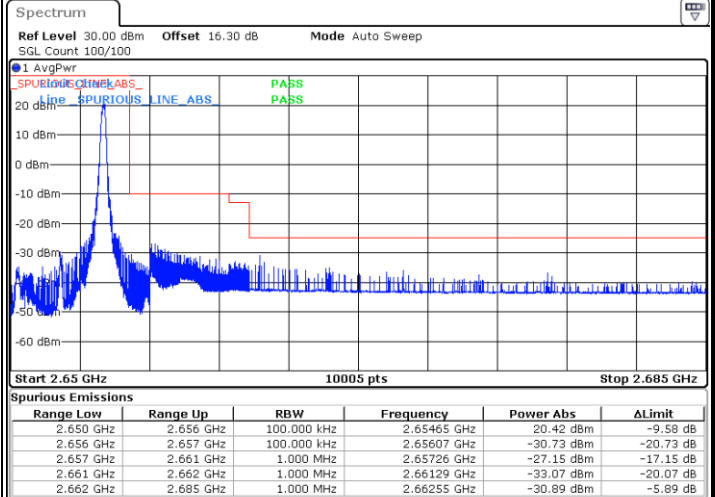
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

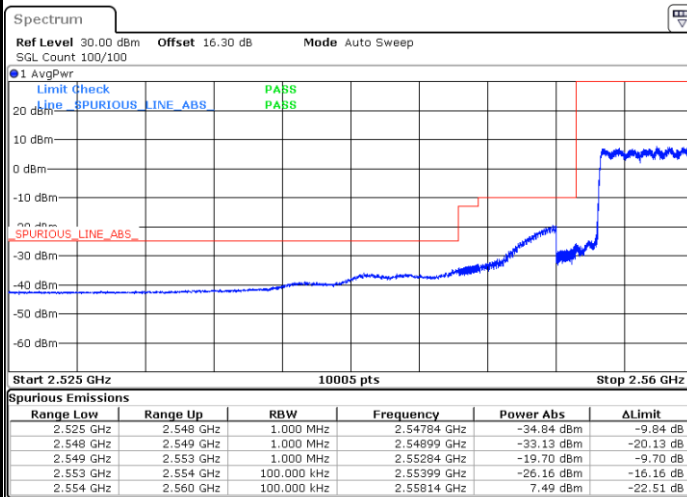
Lowest Band Edge / 1 RB



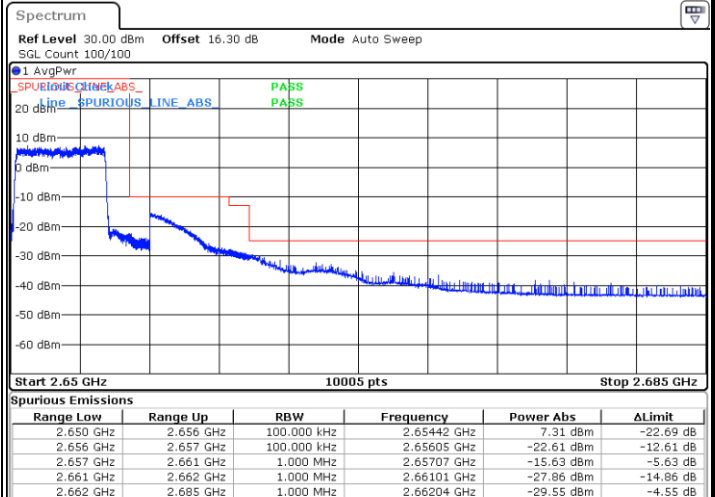
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



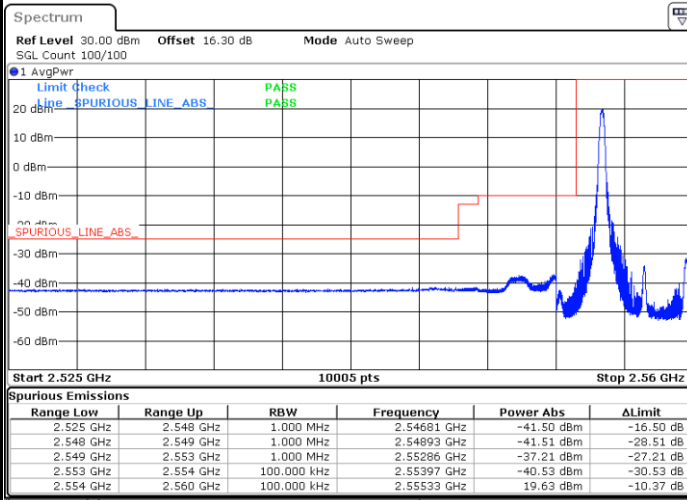
Highest Band Edge / Full RB





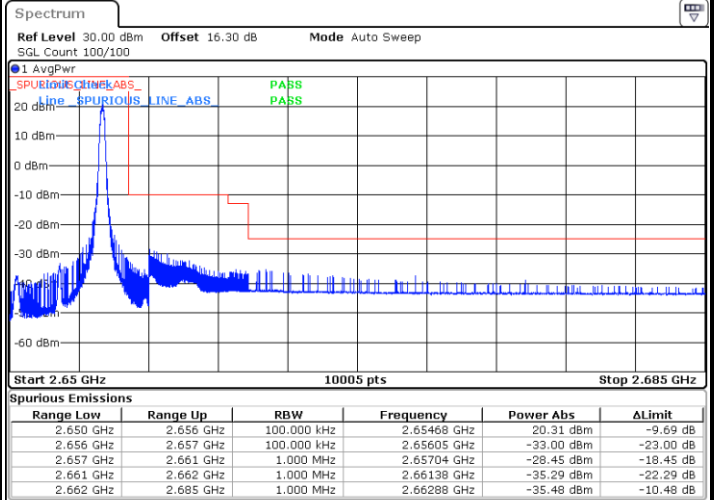
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



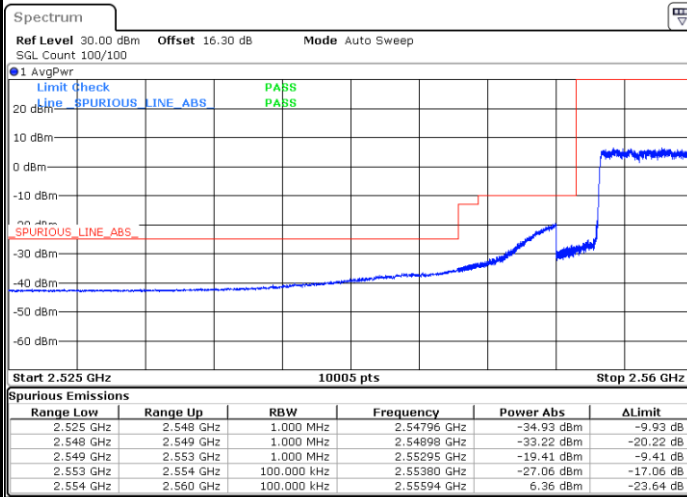
Date: 13.DEC.2020 16:26:26

Highest Band Edge / 1 RB



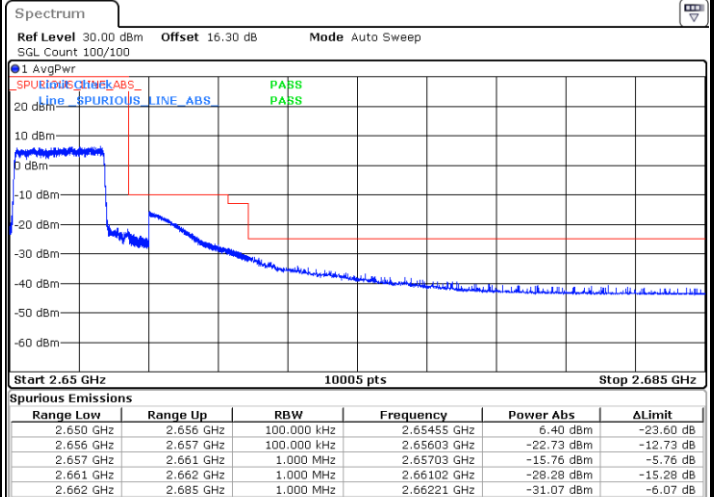
Date: 13.DEC.2020 16:28:36

Lowest Band Edge / Full RB



Date: 13.DEC.2020 16:27:33

Highest Band Edge / Full RB

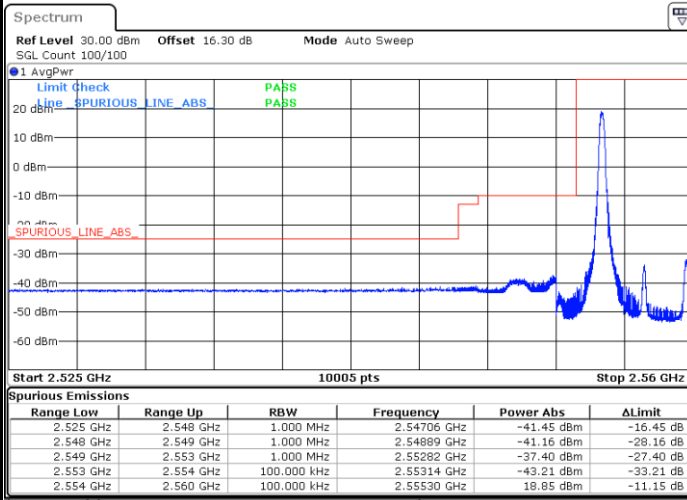


Date: 13.DEC.2020 16:29:39



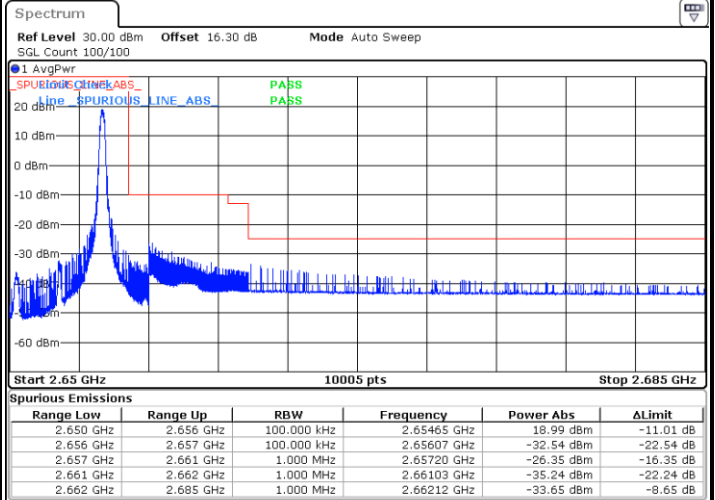
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



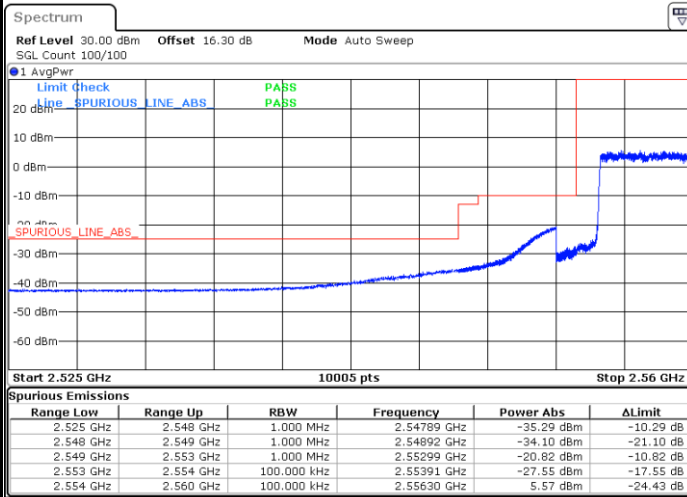
Date: 13.DEC.2020 16:30:12

Highest Band Edge / 1 RB



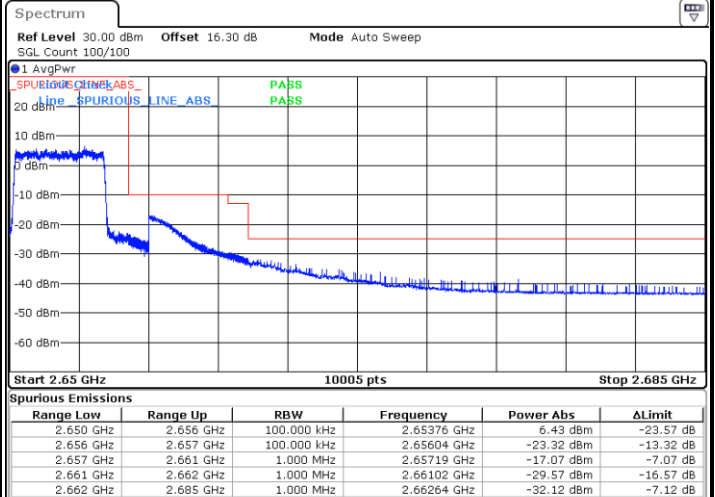
Date: 13.DEC.2020 16:31:16

Lowest Band Edge / Full RB



Date: 13.DEC.2020 16:30:45

Highest Band Edge / Full RB



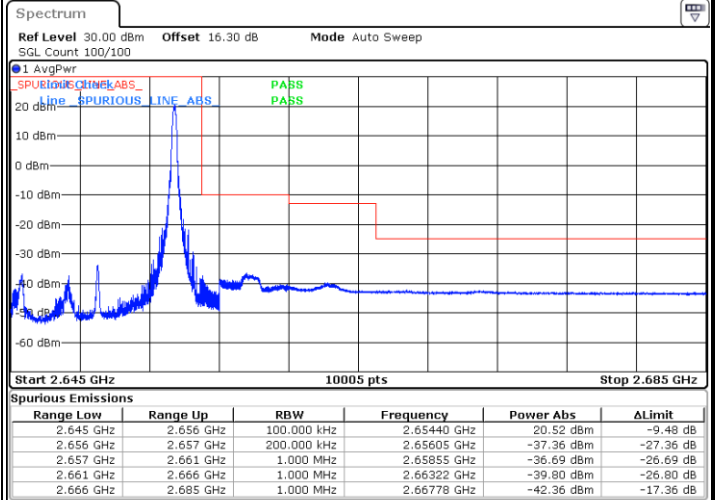
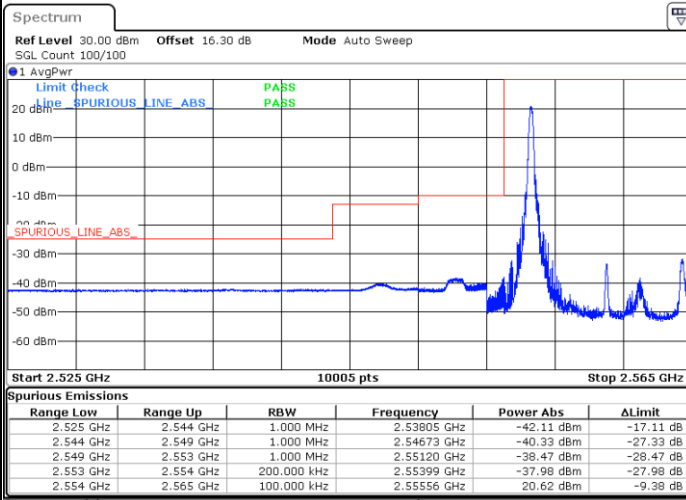
Date: 13.DEC.2020 16:31:47



LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

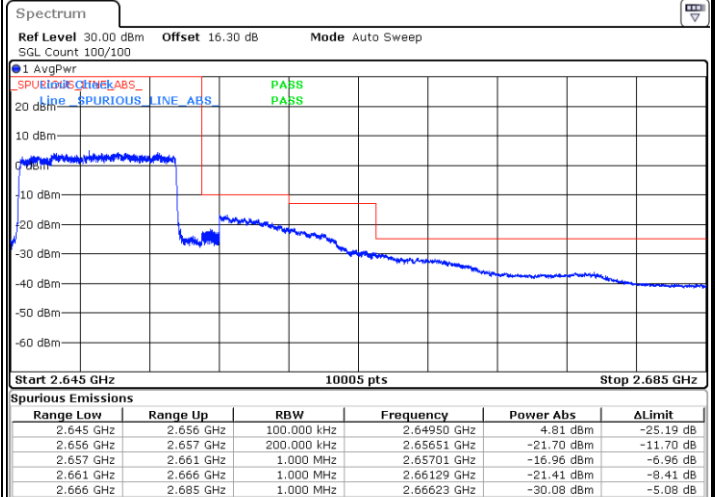
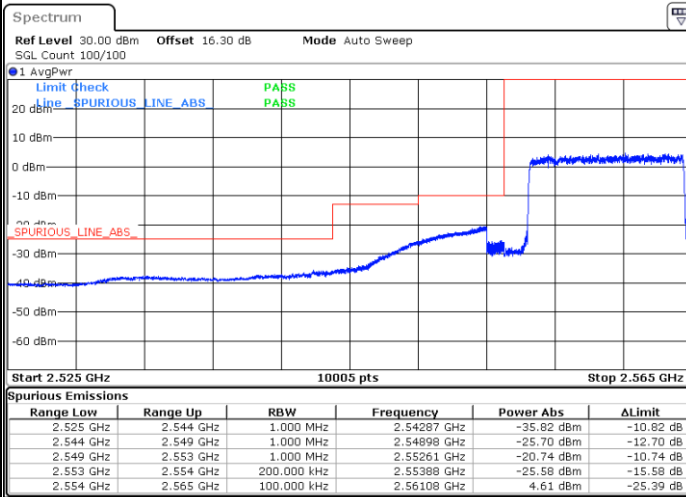


Date: 13.DEC.2020 16:32:21

Date: 13.DEC.2020 16:34:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



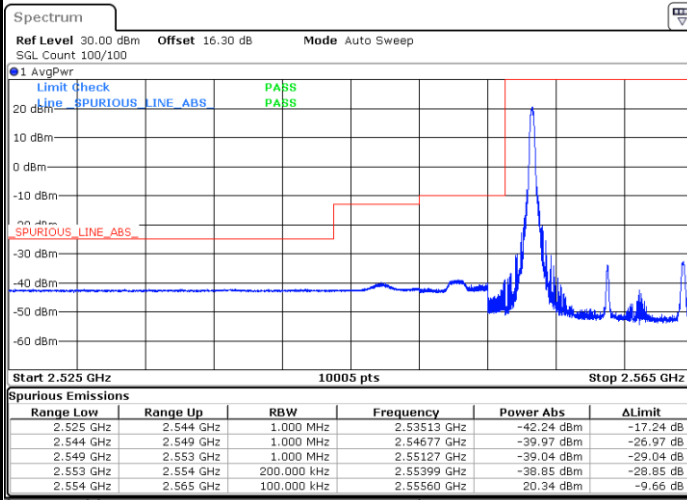
Date: 13.DEC.2020 16:33:27

Date: 13.DEC.2020 16:35:34



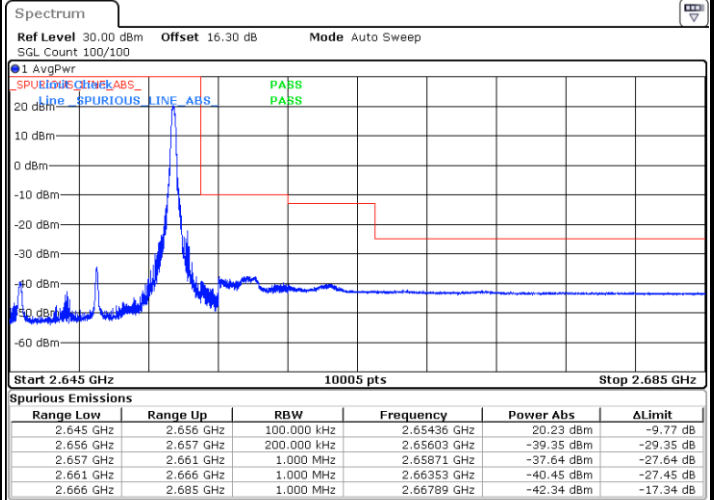
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



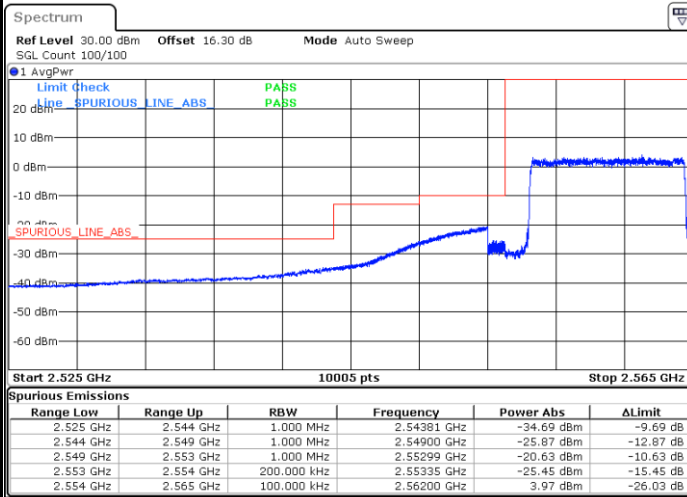
Date: 13.DEC.2020 16:32:54

Highest Band Edge / 1 RB



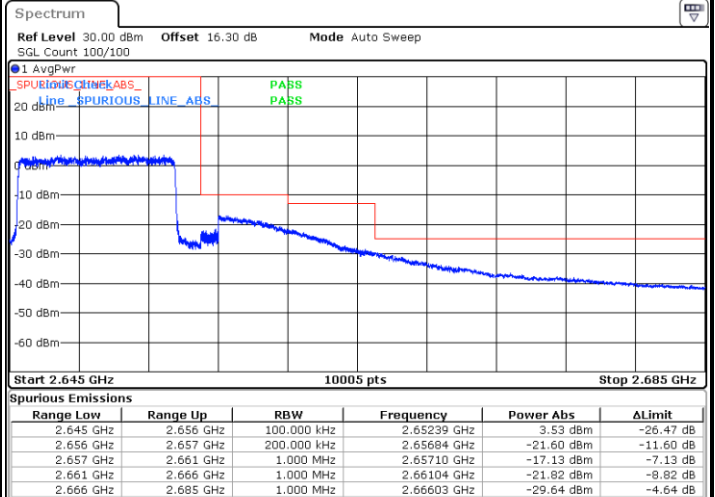
Date: 13.DEC.2020 16:35:02

Lowest Band Edge / Full RB



Date: 13.DEC.2020 16:34:00

Highest Band Edge / Full RB

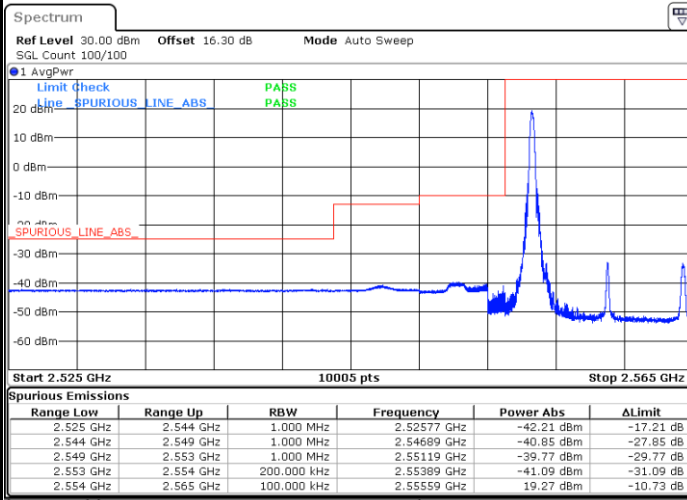


Date: 13.DEC.2020 16:36:05



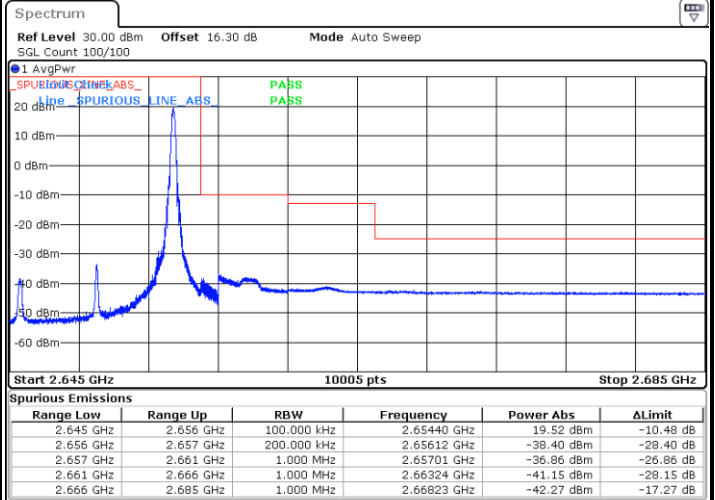
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



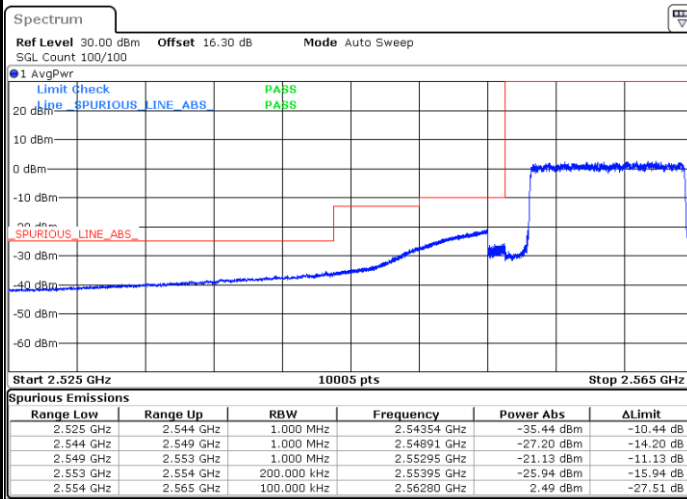
Date: 13.DEC.2020 16:36:38

Highest Band Edge / 1 RB



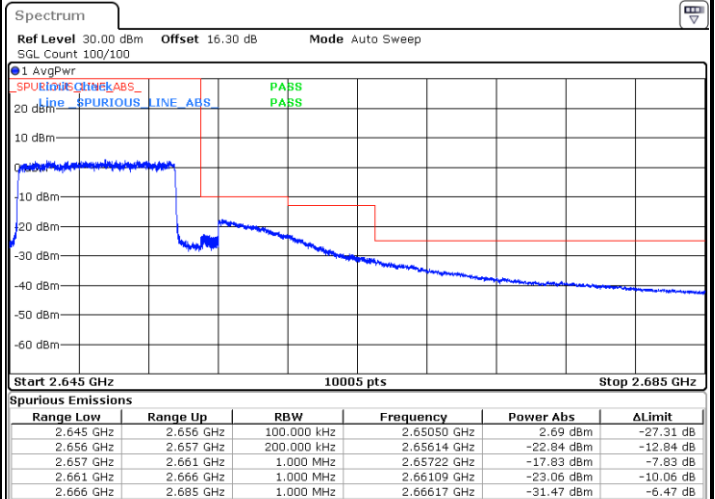
Date: 13.DEC.2020 16:37:42

Lowest Band Edge / Full RB



Date: 13.DEC.2020 16:37:11

Highest Band Edge / Full RB



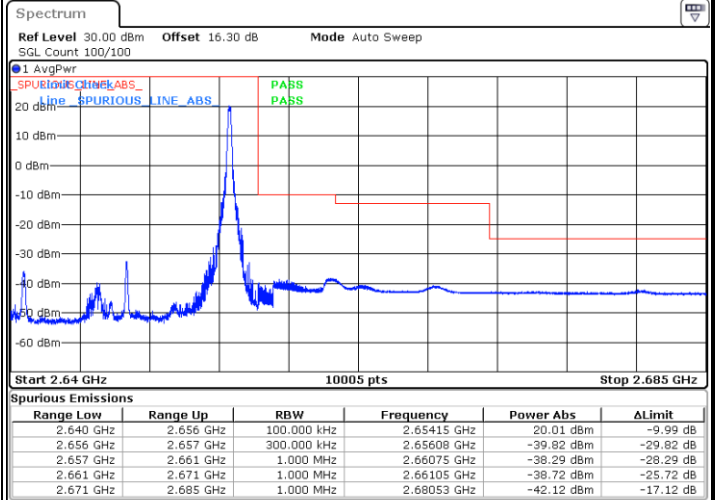
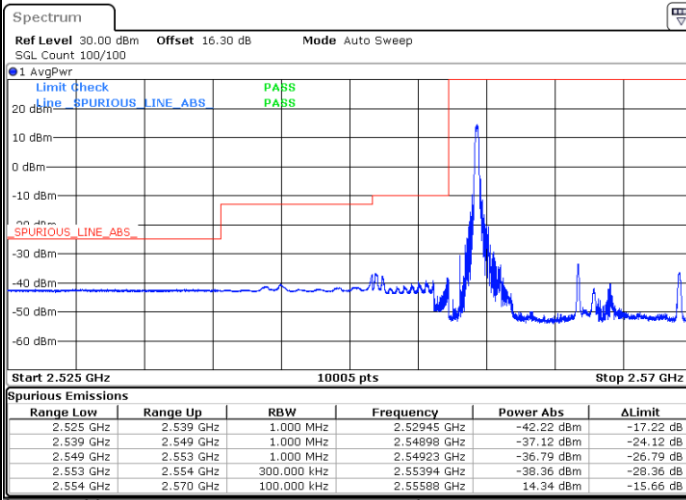
Date: 13.DEC.2020 16:38:13



LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

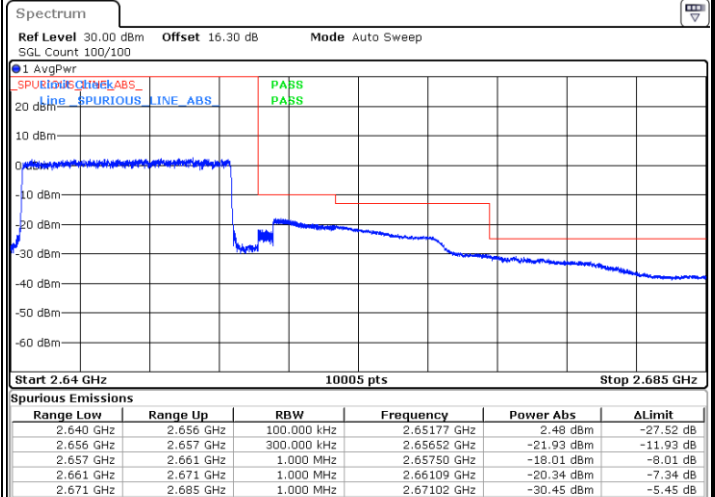
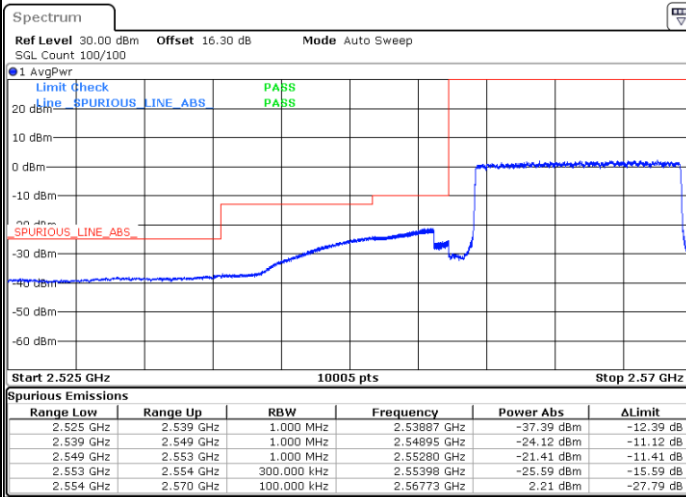


Date: 13.DEC.2020 16:40:55

Date: 13.DEC.2020 16:43:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



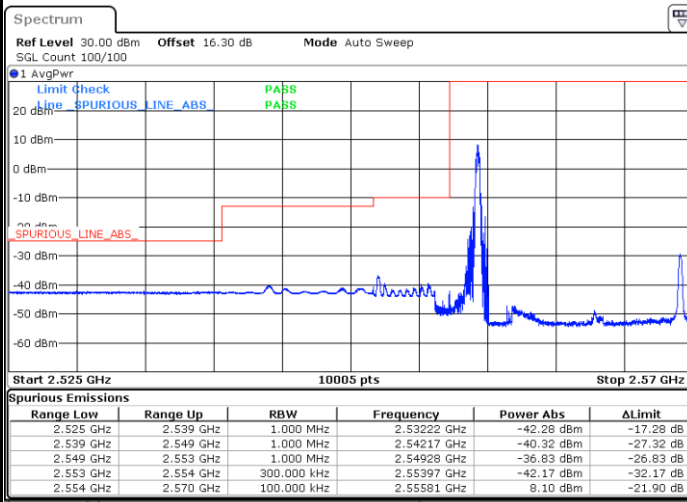
Date: 13.DEC.2020 17:07:47

Date: 13.DEC.2020 16:44:08



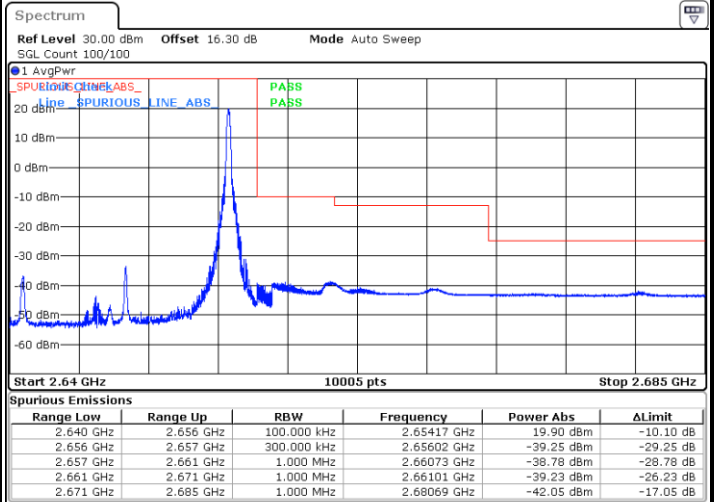
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



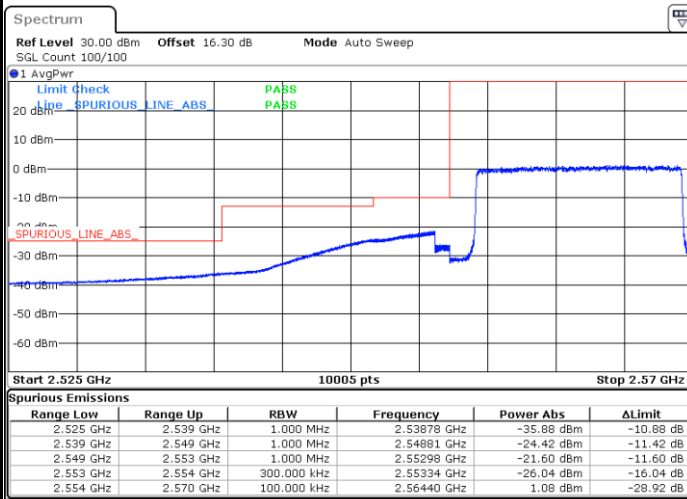
Date: 13.DEC.2020 16:41:28

Highest Band Edge / 1 RB



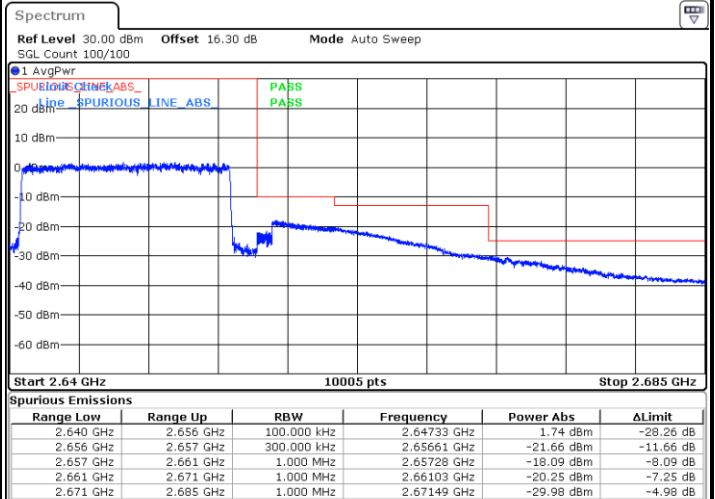
Date: 13.DEC.2020 16:43:37

Lowest Band Edge / Full RB



Date: 13.DEC.2020 17:09:10

Highest Band Edge / Full RB

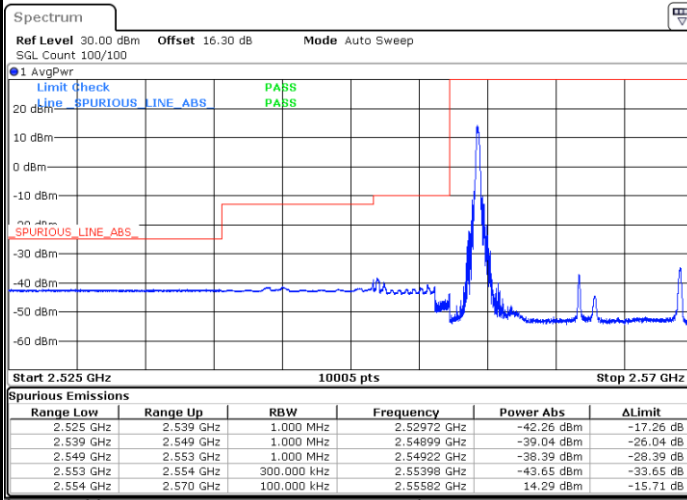


Date: 13.DEC.2020 16:44:40



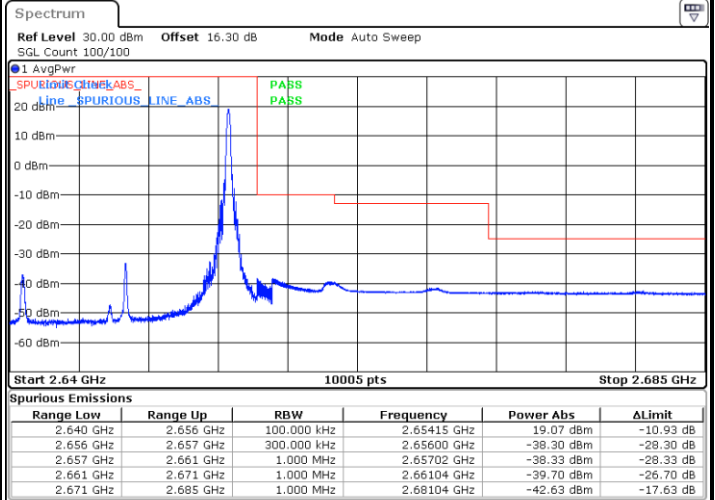
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



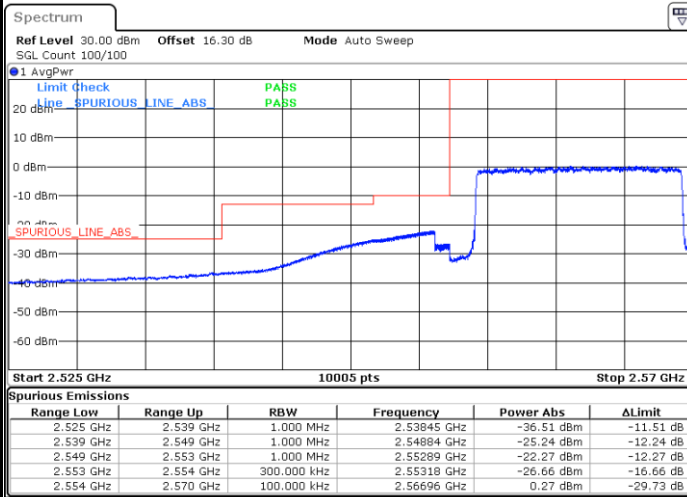
Date: 13.DEC.2020 16:38:47

Highest Band Edge / 1 RB



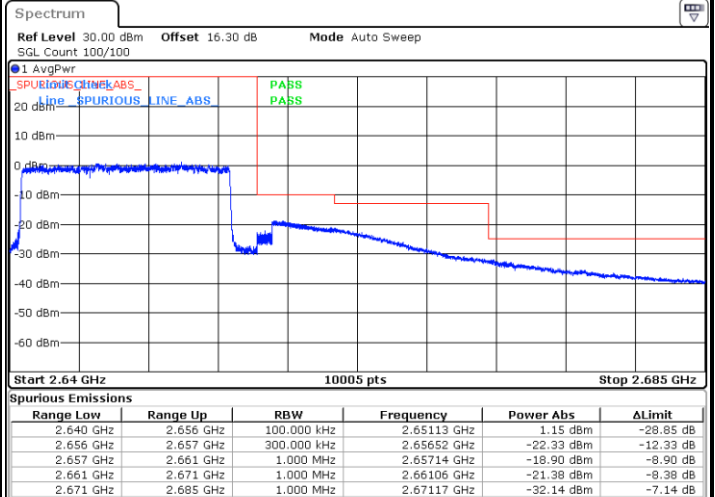
Date: 13.DEC.2020 16:39:51

Lowest Band Edge / Full RB



Date: 13.DEC.2020 17:06:24

Highest Band Edge / Full RB

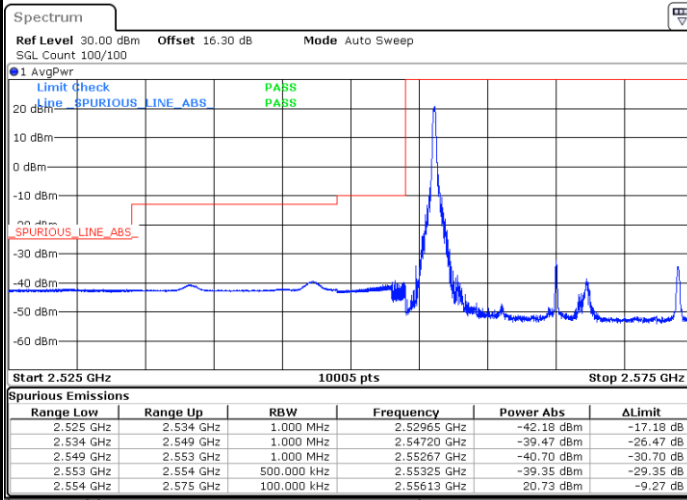


Date: 13.DEC.2020 16:40:22



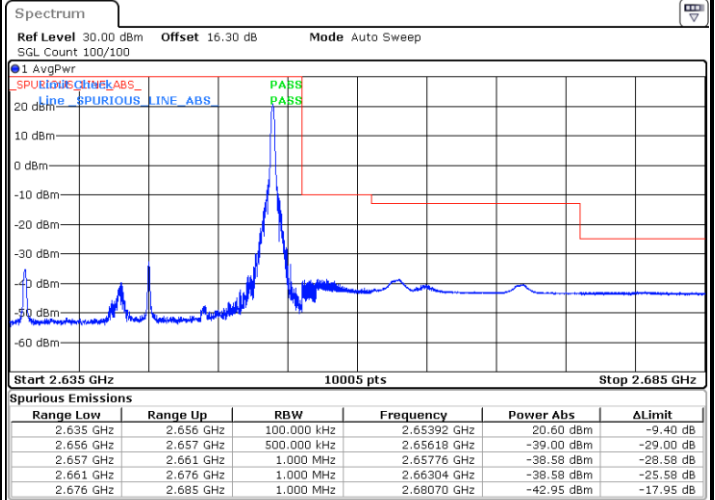
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



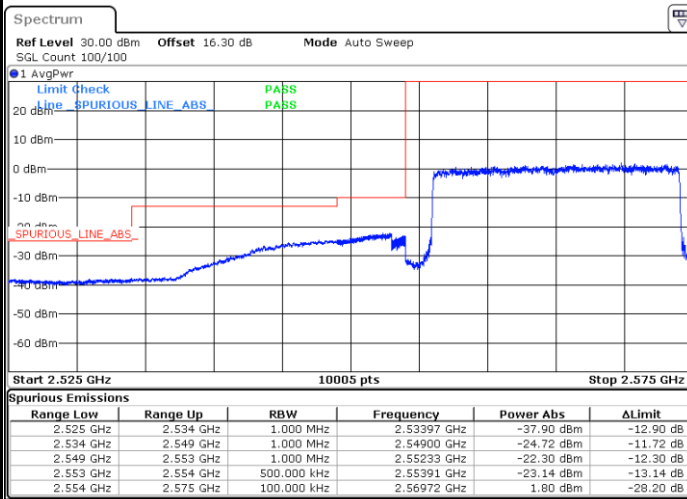
Date: 13.DEC.2020 16:45:13

Highest Band Edge / 1 RB



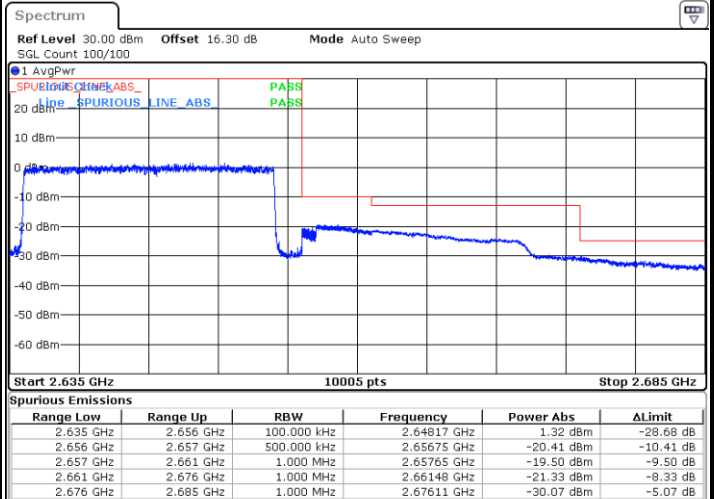
Date: 13.DEC.2020 16:47:23

Lowest Band Edge / Full RB



Date: 13.DEC.2020 16:46:19

Highest Band Edge / Full RB

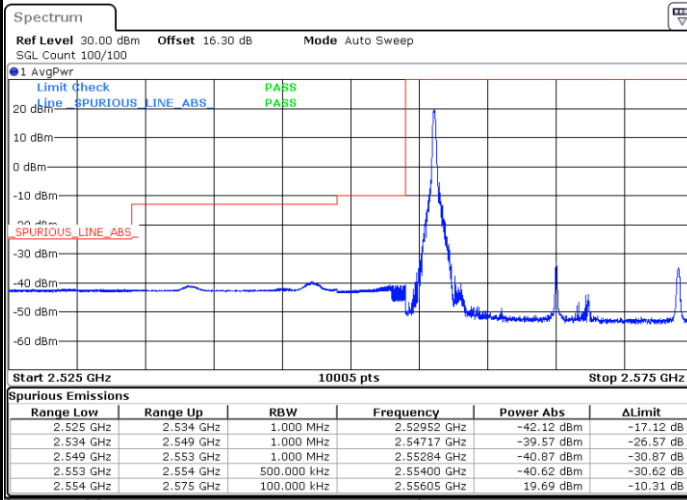


Date: 13.DEC.2020 16:48:57



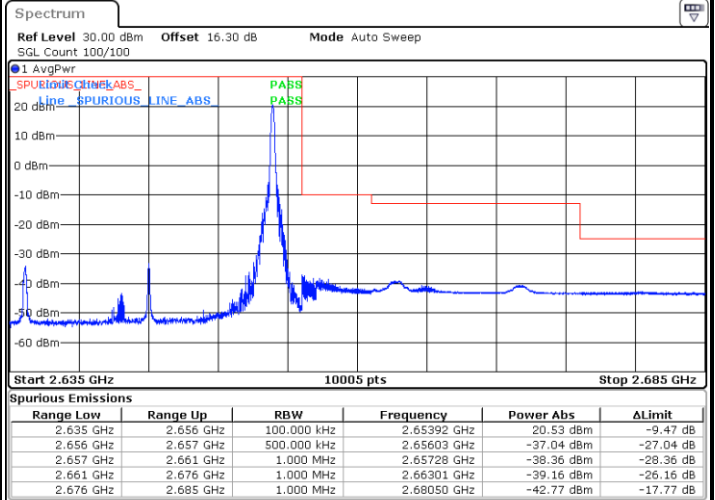
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



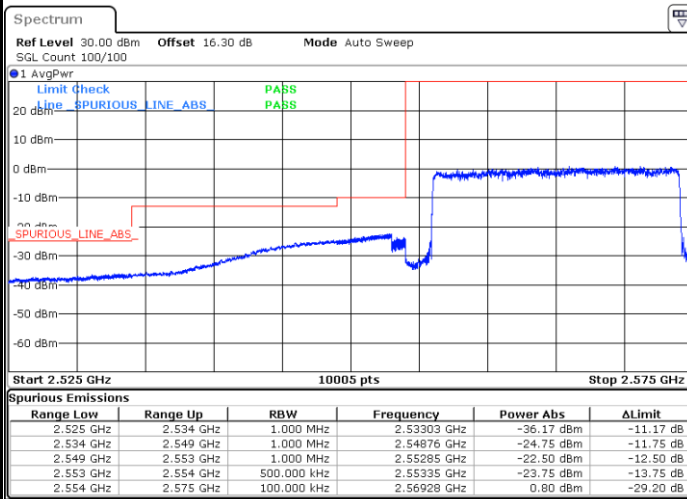
Date: 13.DEC.2020 16:45:46

Highest Band Edge / 1 RB



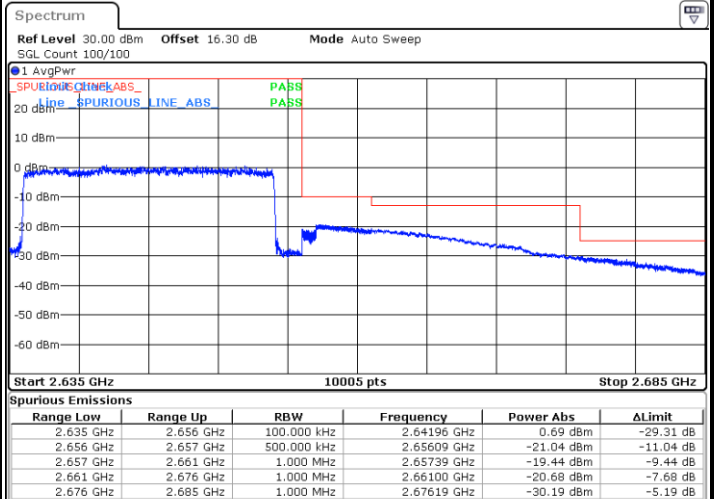
Date: 13.DEC.2020 16:47:54

Lowest Band Edge / Full RB



Date: 13.DEC.2020 16:46:52

Highest Band Edge / Full RB

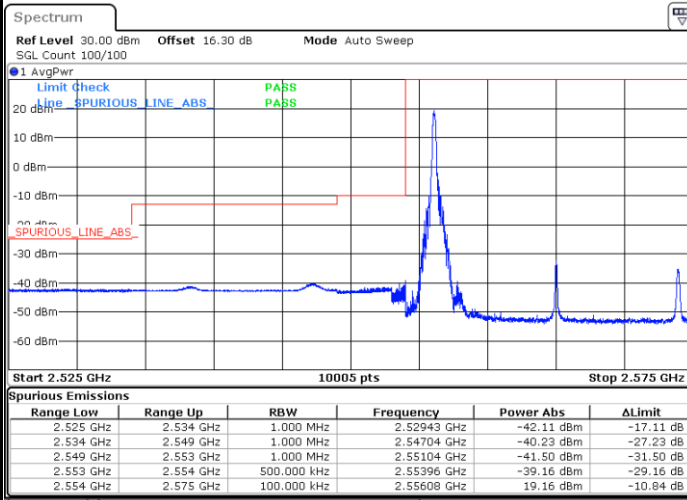


Date: 13.DEC.2020 16:48:26

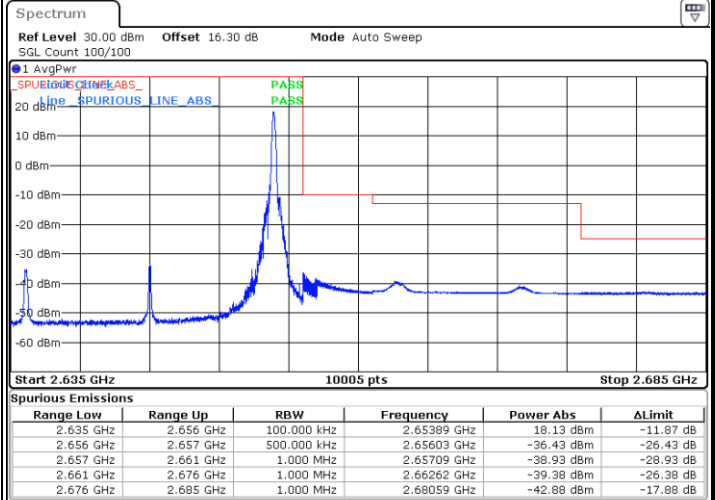


LTE Band 41 / 20MHz / 64QAM

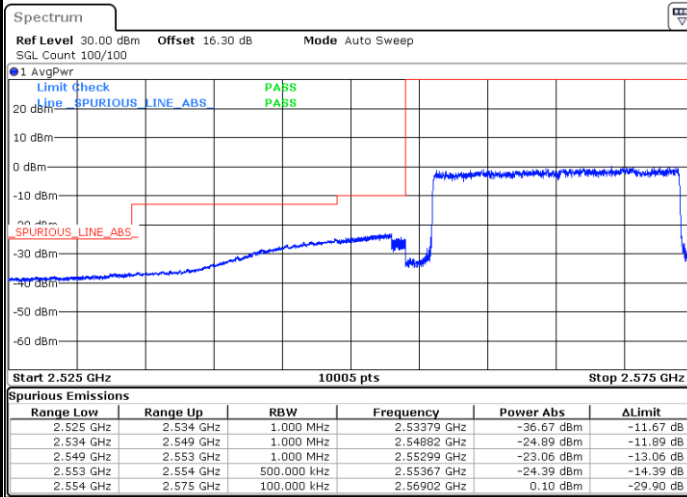
Lowest Band Edge / 1 RB



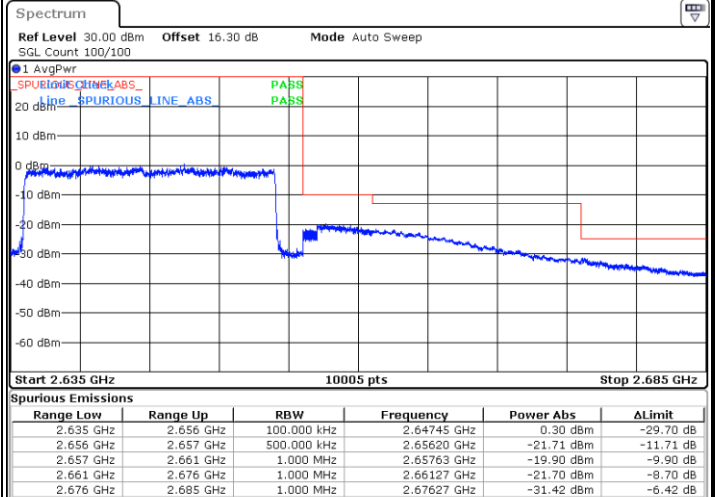
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

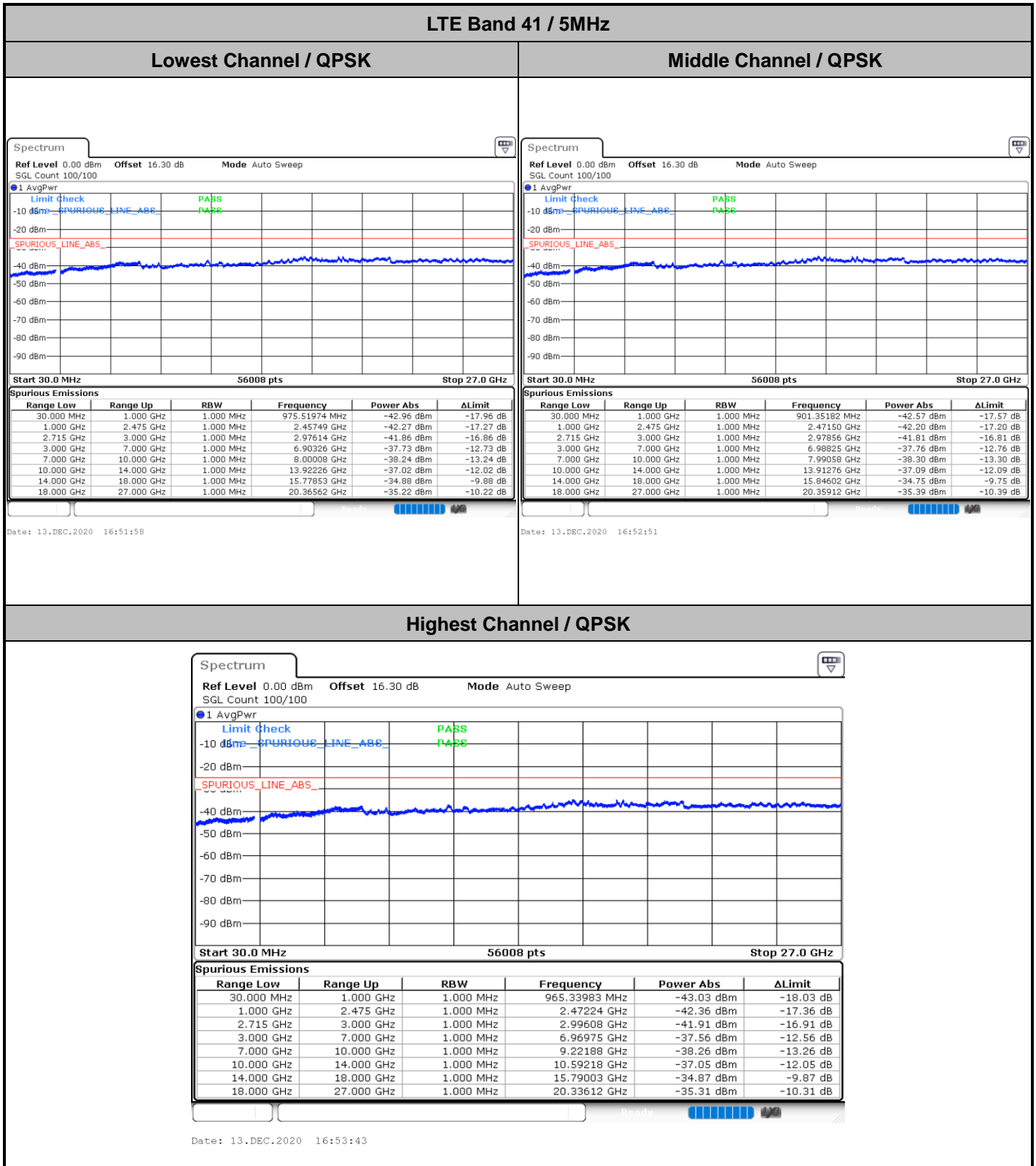


Highest Band Edge / Full RB





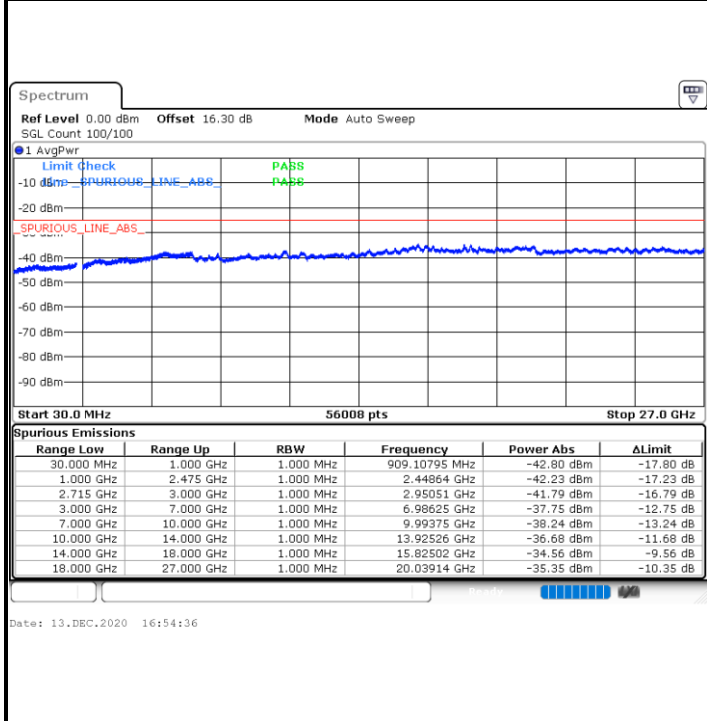
Conducted Spurious Emission



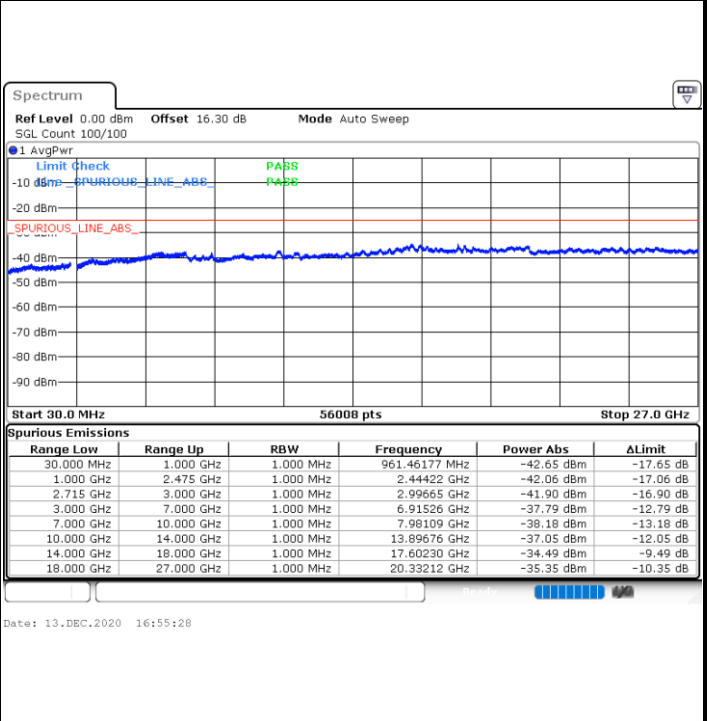


LTE Band 41 / 10MHz

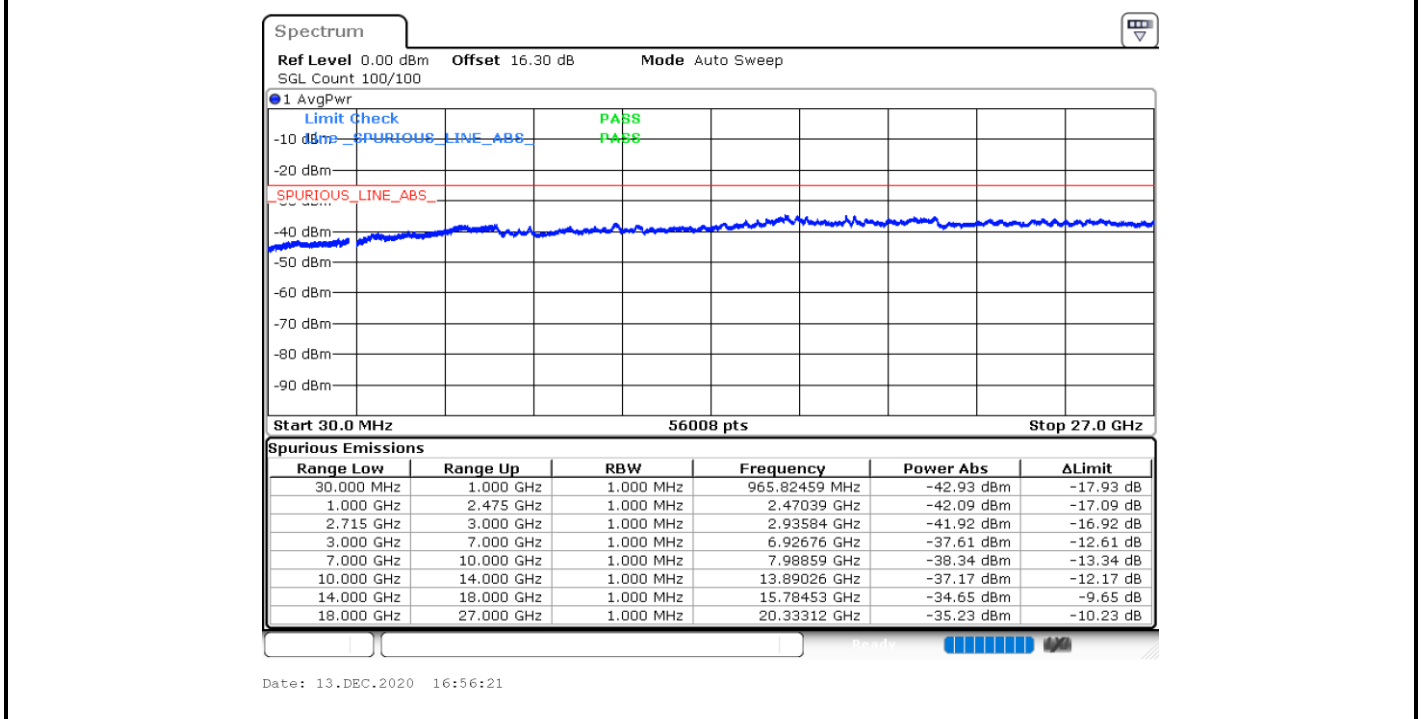
Lowest Channel / QPSK



Middle Channel / QPSK



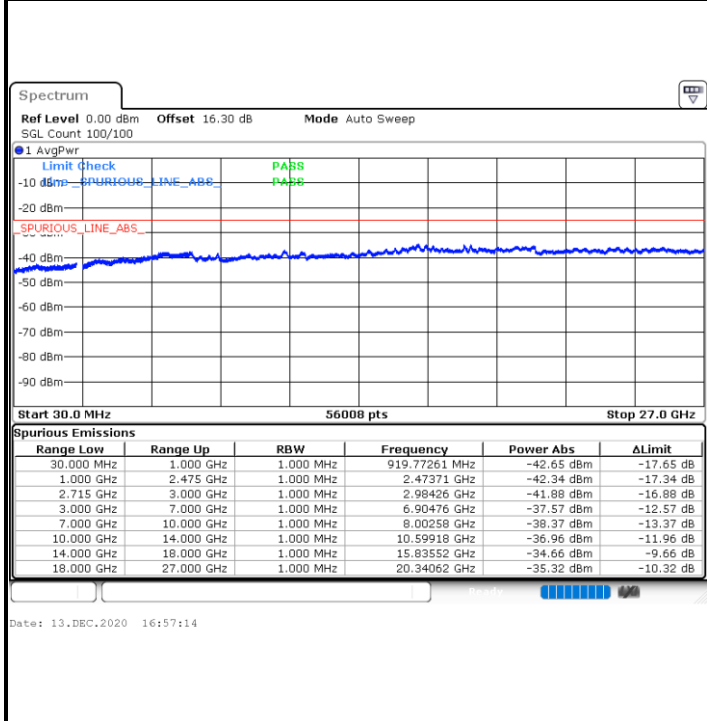
Highest Channel / QPSK



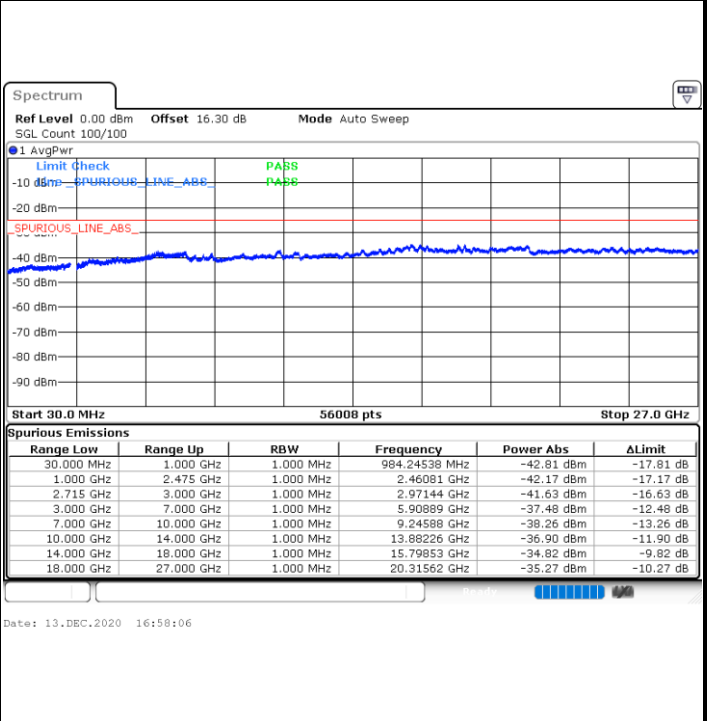


LTE Band 41 / 15MHz

Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

