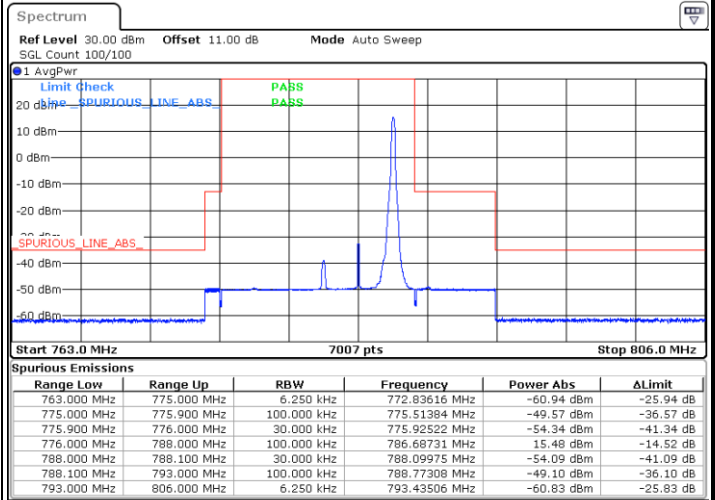
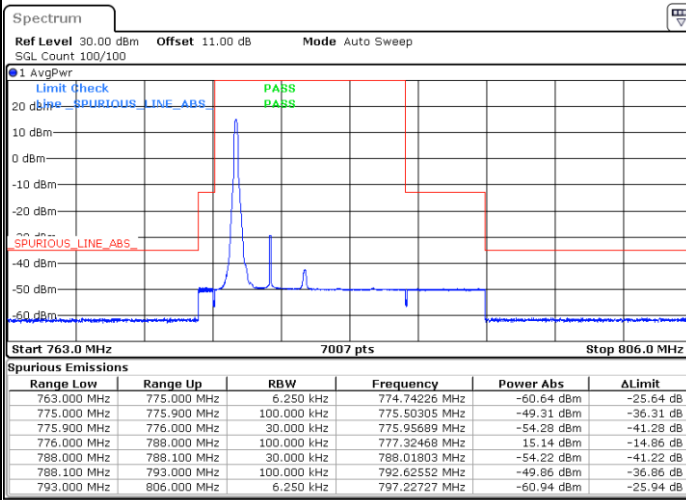




LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

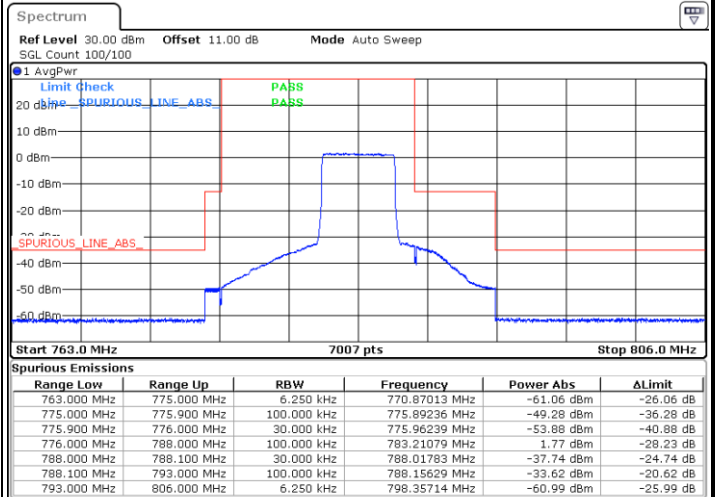
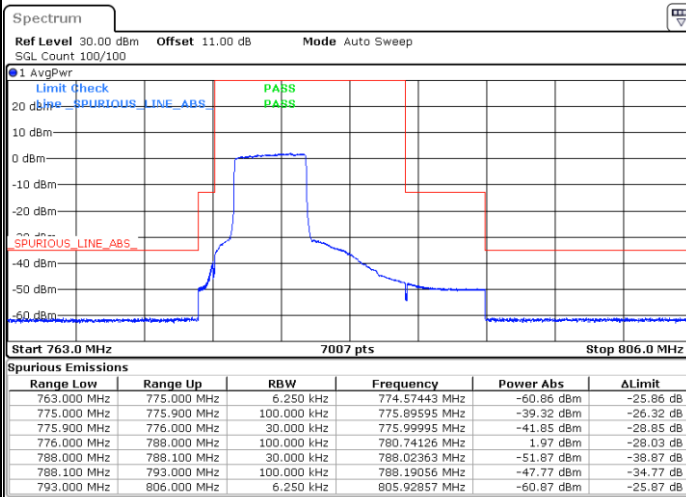


Date: 28.SEP.2020 09:44:14

Date: 28.SEP.2020 09:53:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



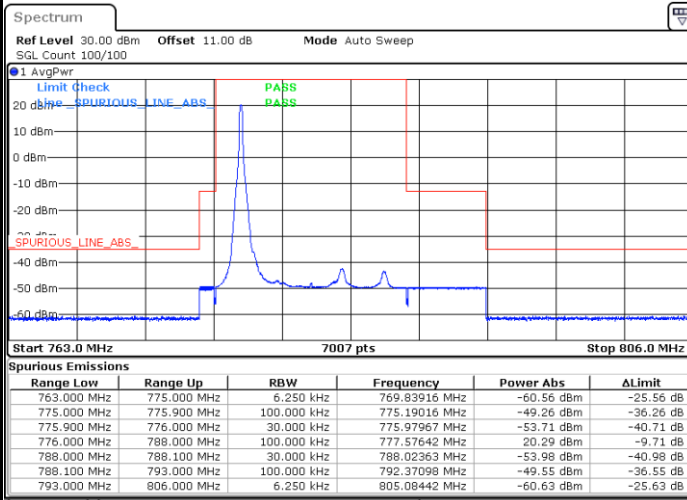
Date: 28.SEP.2020 09:43:04

Date: 28.SEP.2020 09:50:52



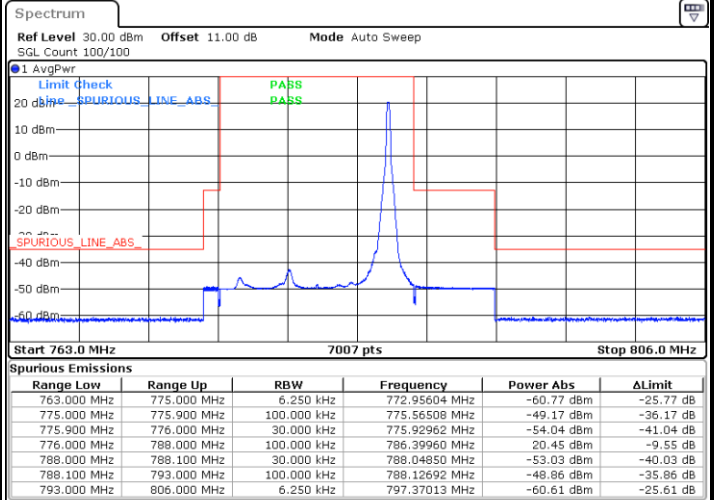
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



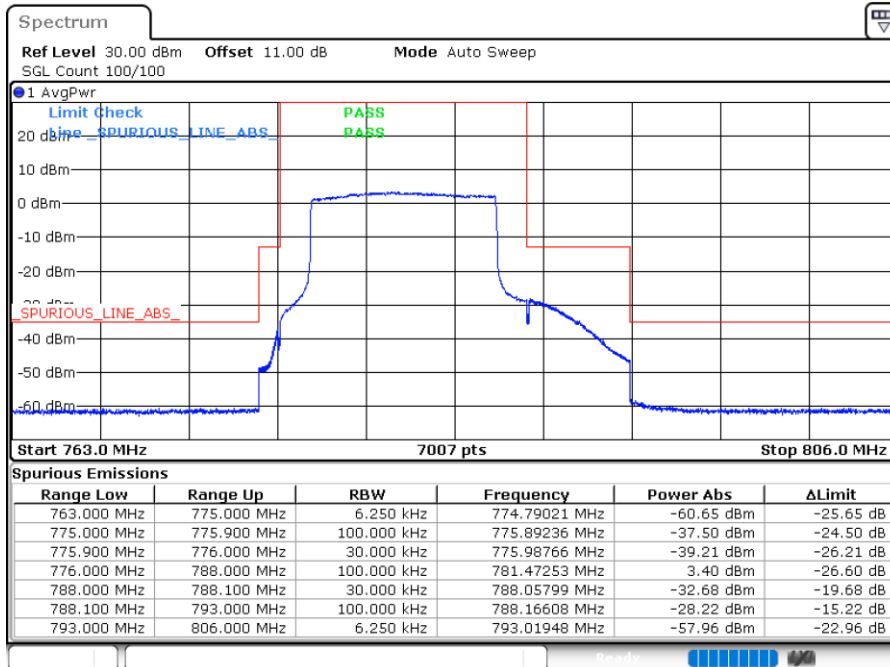
Date: 27.SEP.2020 09:37:06

Highest Band Edge / 1 RB



Date: 27.SEP.2020 09:38:45

Band Edge / Full RB

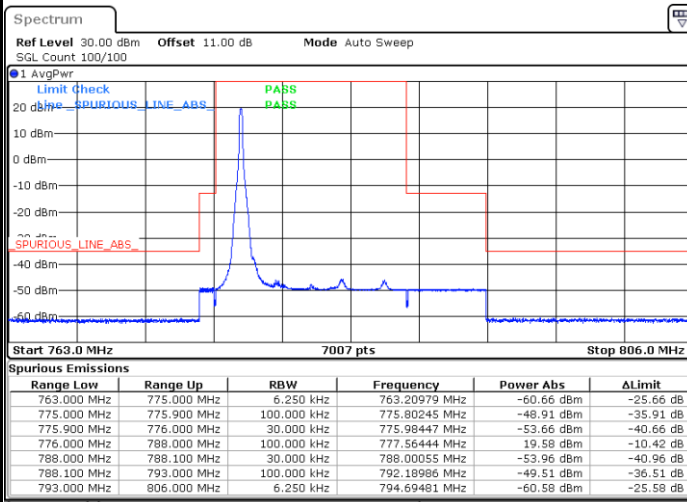


Date: 27.SEP.2020 09:32:08



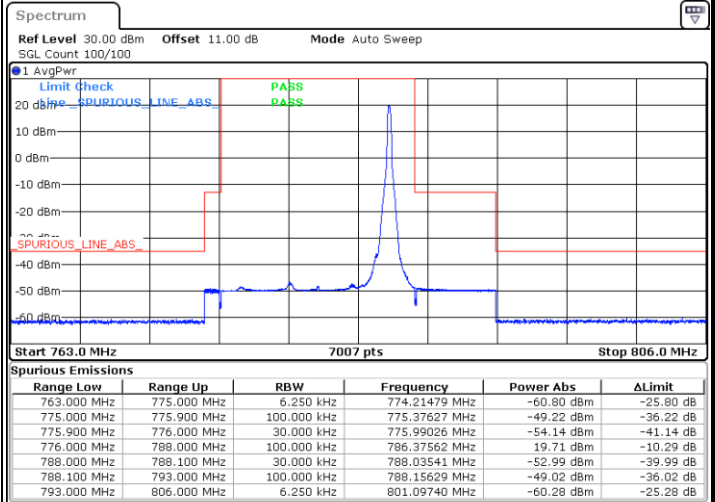
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



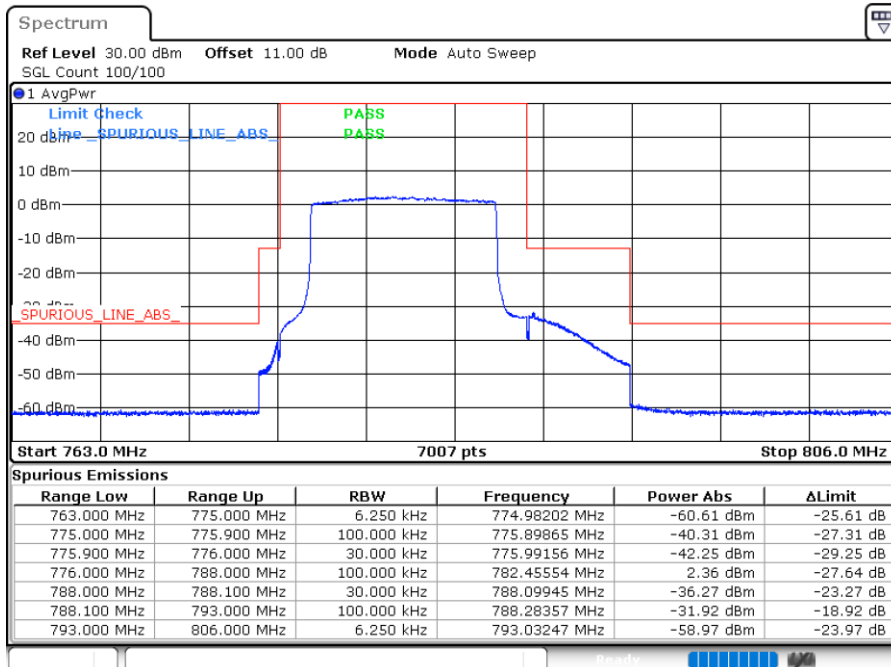
Date: 27.SEP.2020 09:35:27

Highest Band Edge / 1 RB



Date: 27.SEP.2020 09:40:25

Band Edge / Full RB

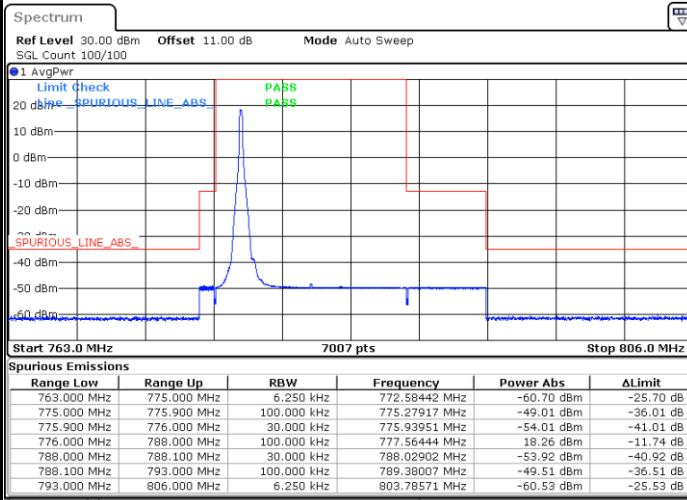


Date: 27.SEP.2020 09:33:47



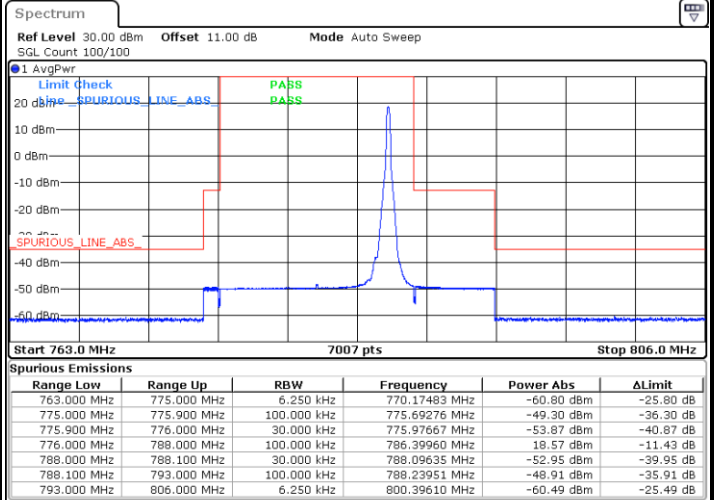
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



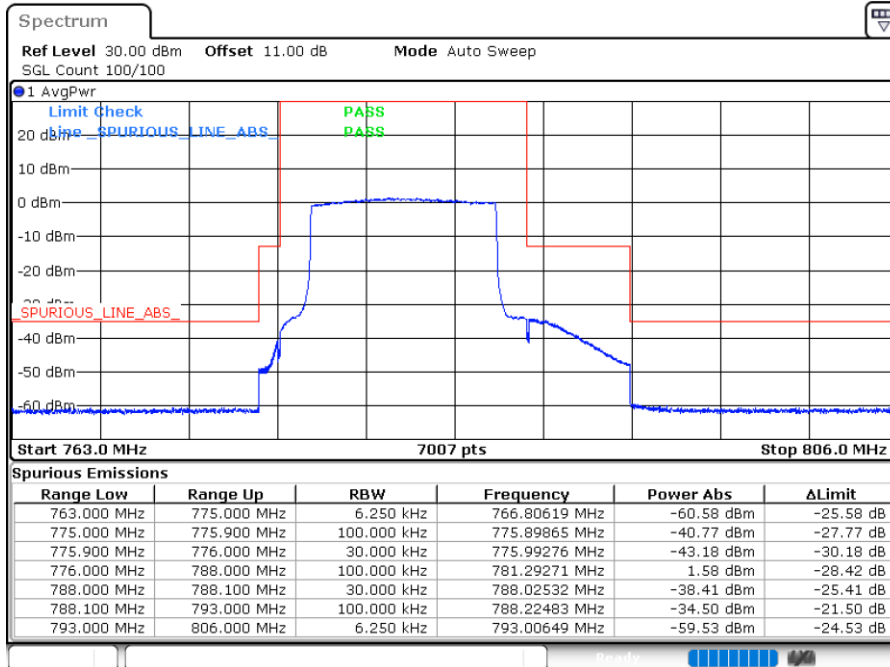
Date: 27.SEP.2020 09:44:54

Highest Band Edge / 1 RB



Date: 27.SEP.2020 09:46:34

Band Edge / Full RB



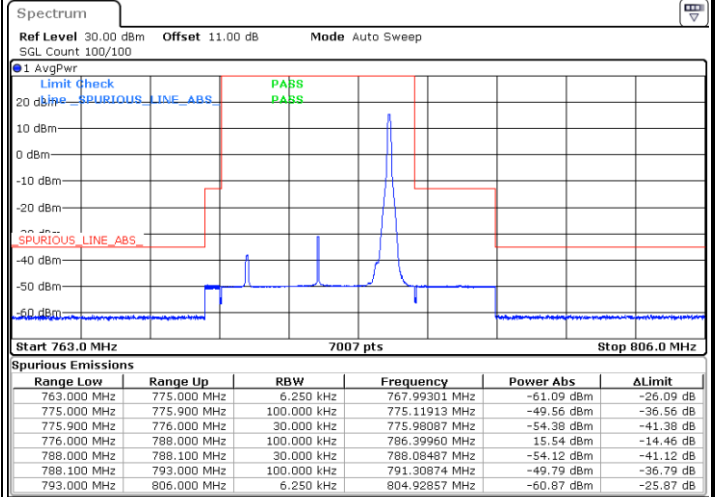
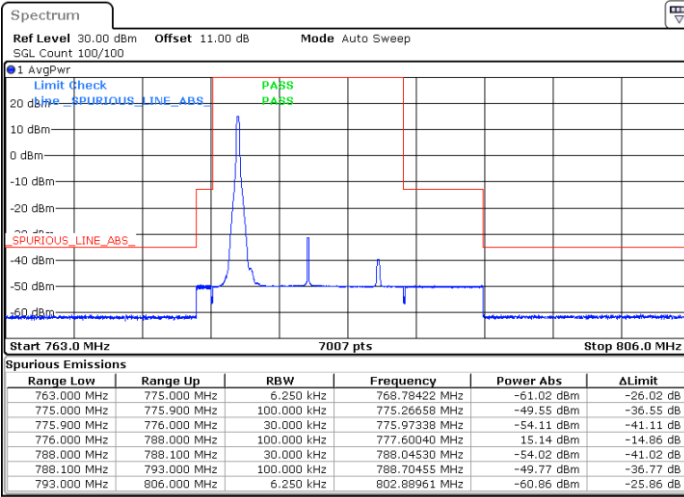
Date: 27.SEP.2020 09:43:15



LTE Band 13 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

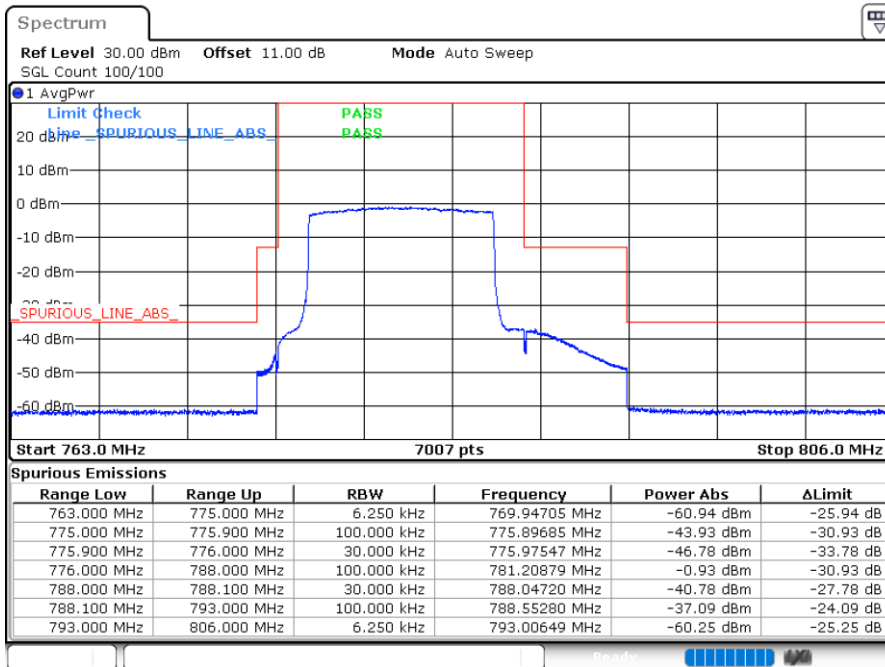
Highest Band Edge / 1 RB



Date: 28.SEP.2020 09:59:20

Date: 28.SEP.2020 10:07:02

Band Edge / Full RB



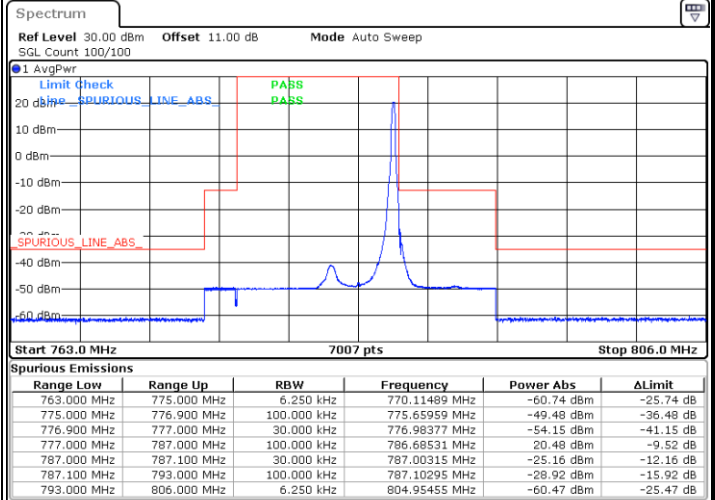
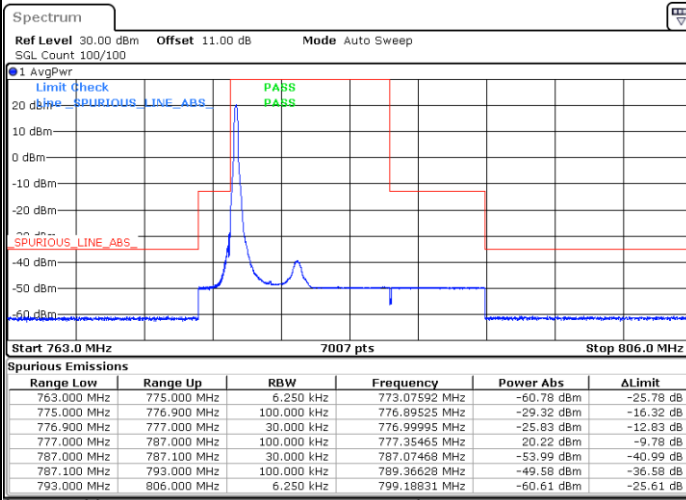
Date: 28.SEP.2020 09:56:36



LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

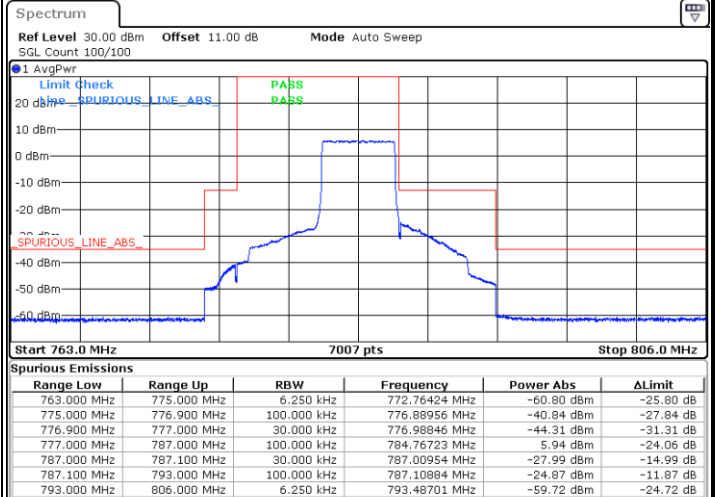
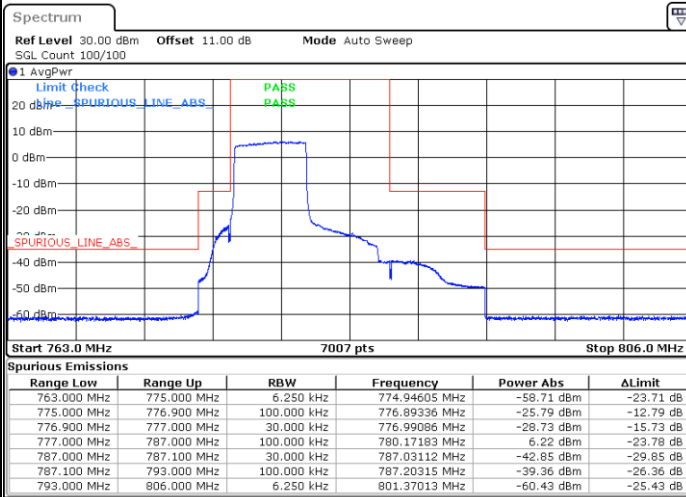


Date: 27.SEP.2020 10:00:36

Date: 27.SEP.2020 10:07:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.SEP.2020 09:55:36

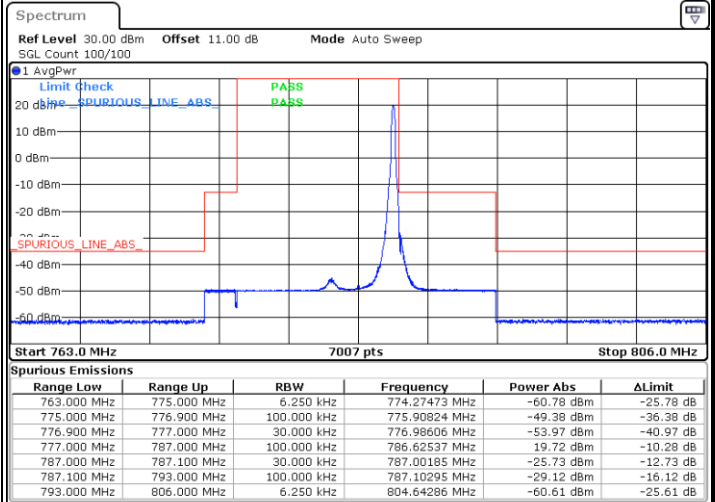
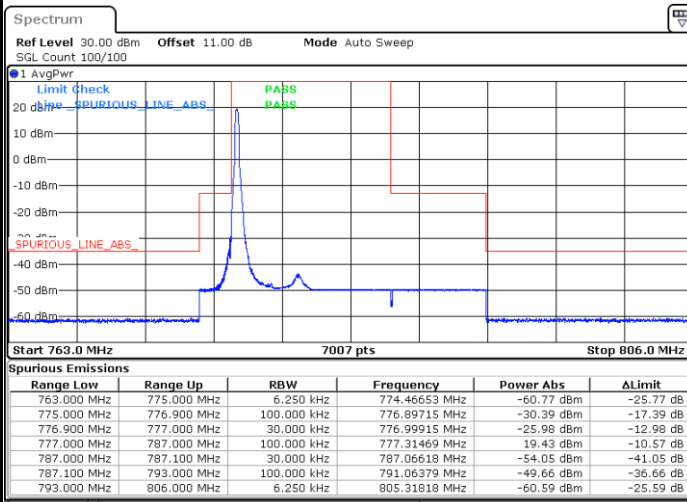
Date: 27.SEP.2020 10:02:16



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

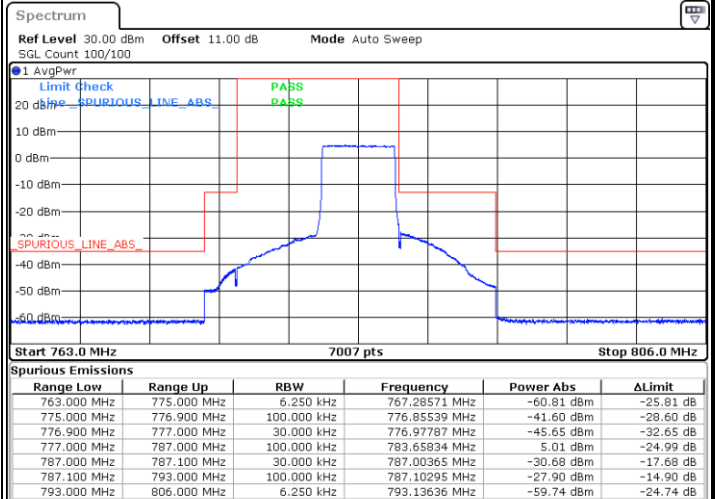
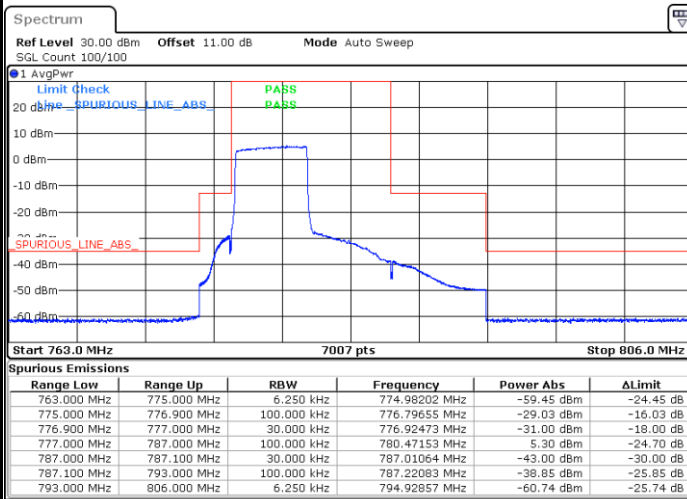


Date: 27.SEP.2020 09:58:56

Date: 27.SEP.2020 10:05:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.SEP.2020 09:57:16

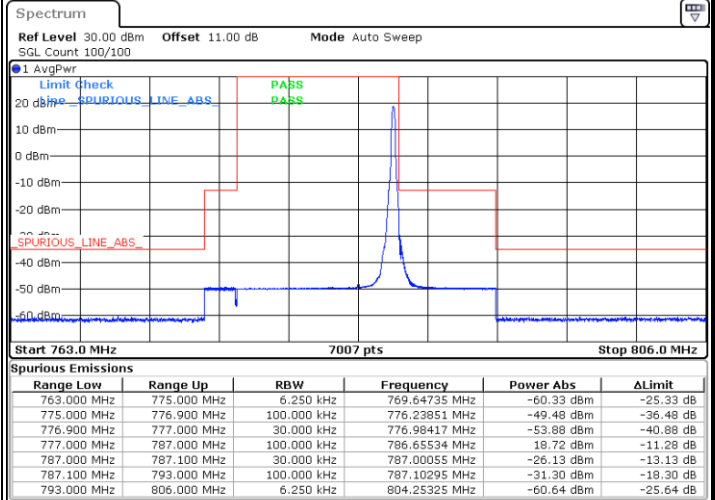
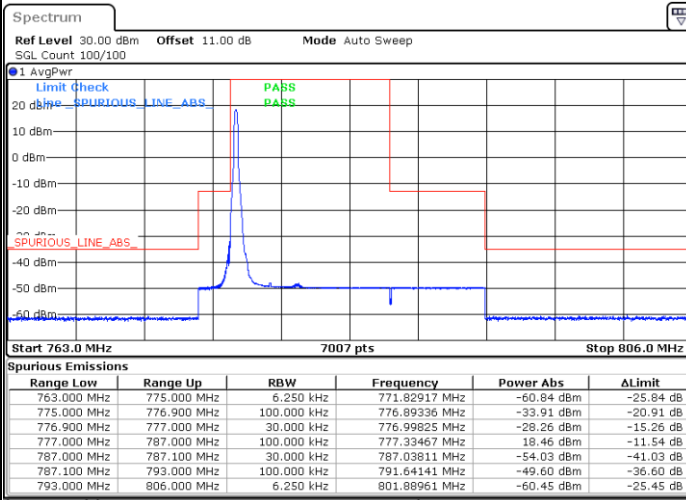
Date: 27.SEP.2020 10:03:56



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

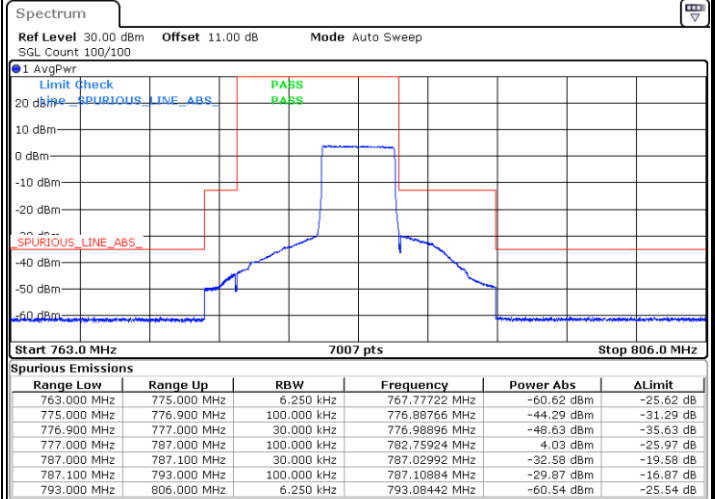
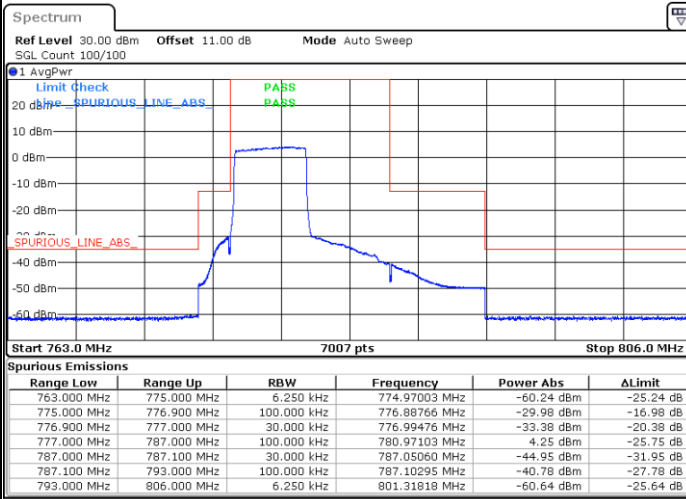


Date: 27.SEP.2020 10:10:36

Date: 27.SEP.2020 10:13:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.SEP.2020 10:08:56

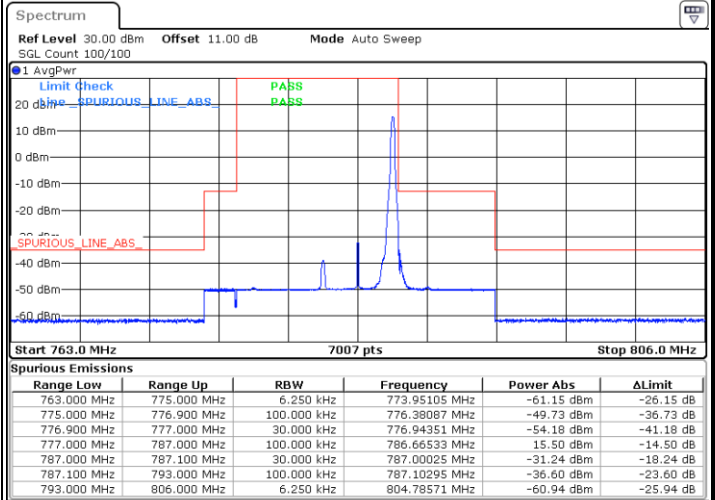
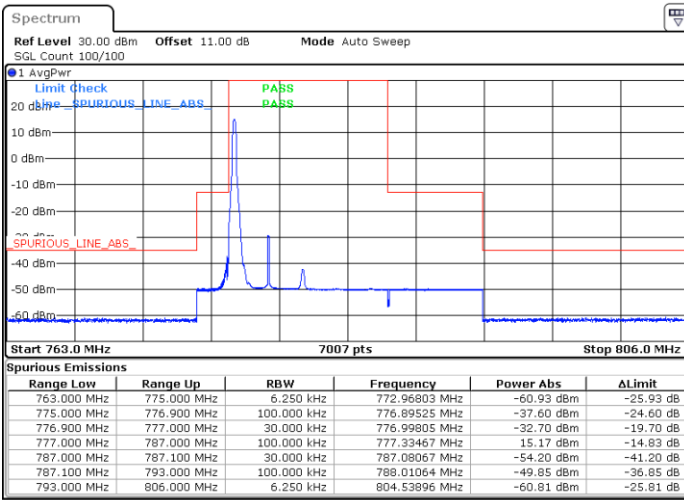
Date: 27.SEP.2020 10:12:16



LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

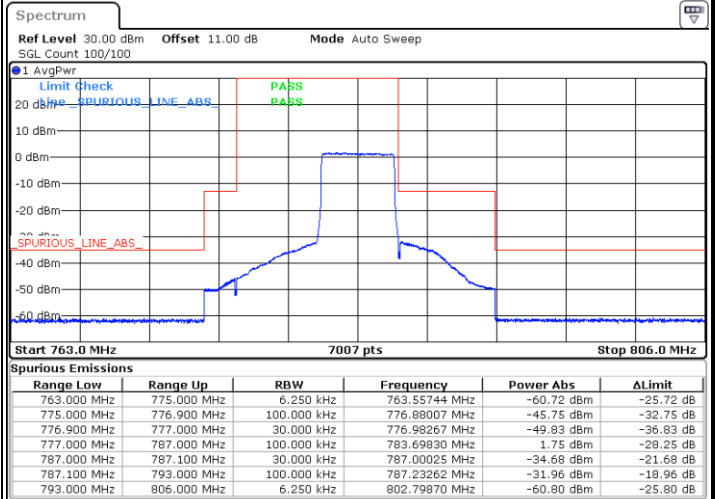
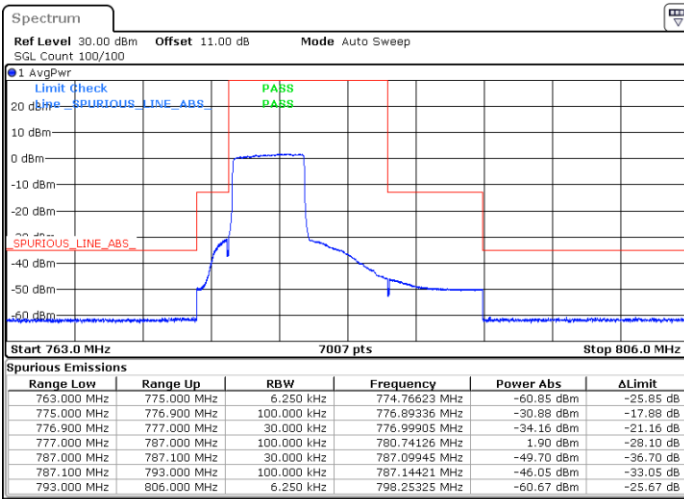


Date: 28.SEP.2020 09:46:12

Date: 28.SEP.2020 09:54:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



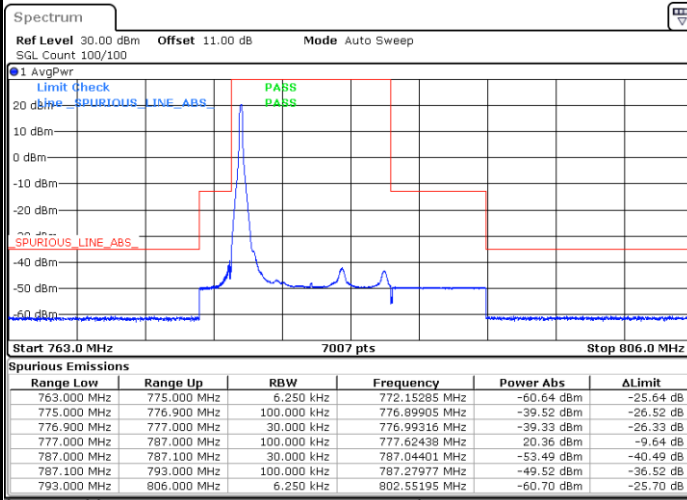
Date: 28.SEP.2020 09:48:26

Date: 28.SEP.2020 09:51:58



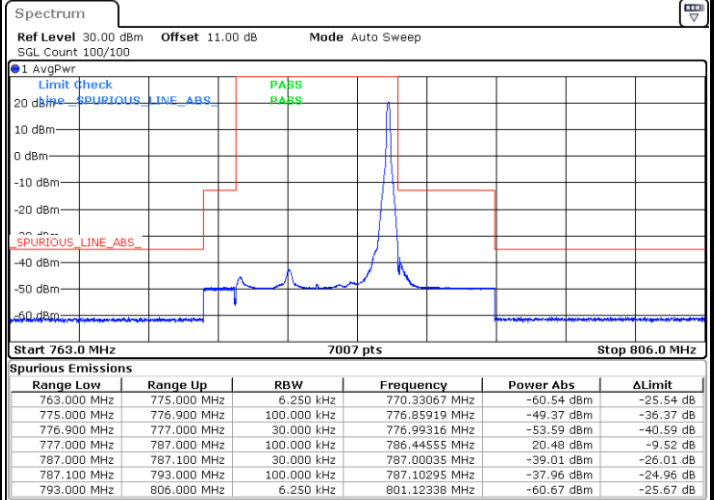
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



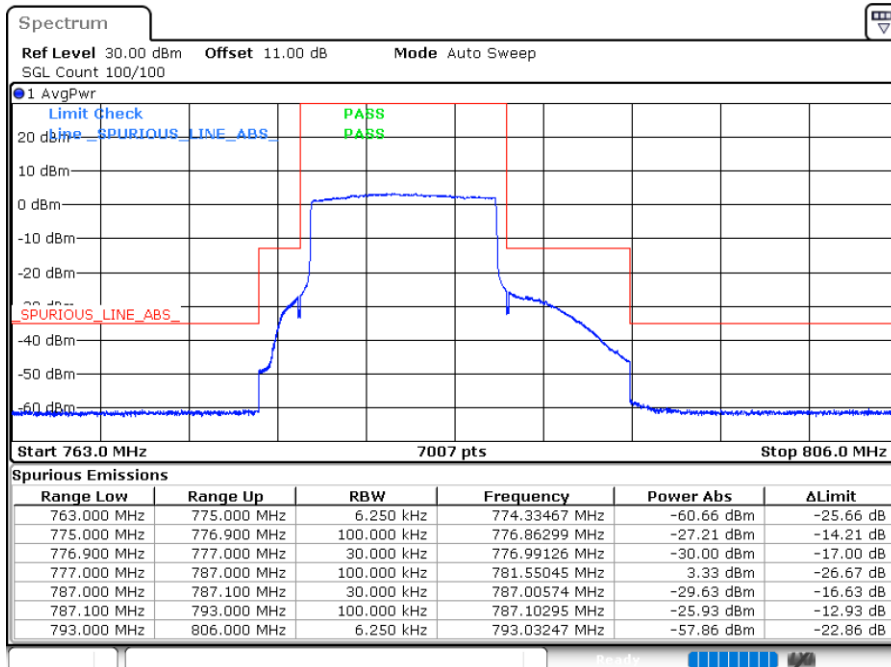
Date: 27.SEP.2020 10:25:32

Highest Band Edge / 1 RB



Date: 27.SEP.2020 10:27:11

Band Edge / Full RB

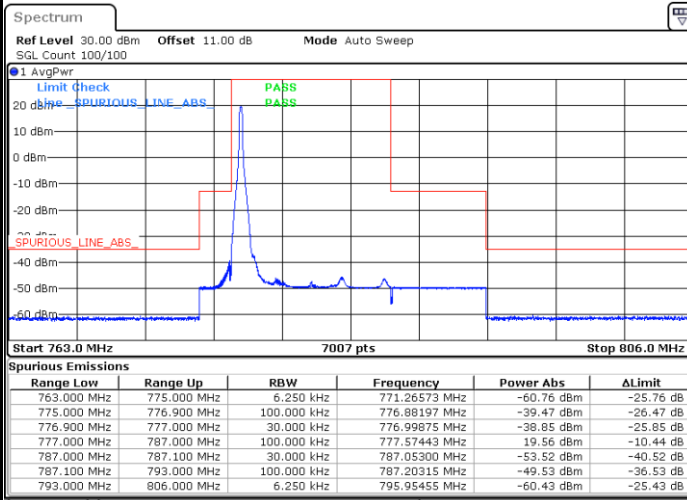


Date: 27.SEP.2020 10:20:34



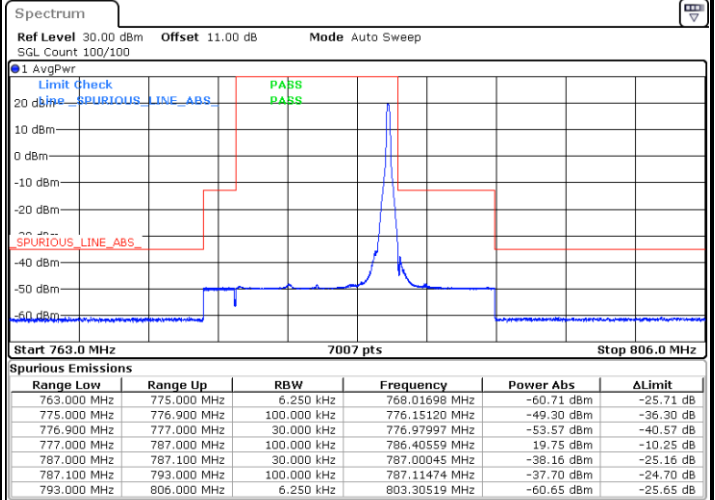
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



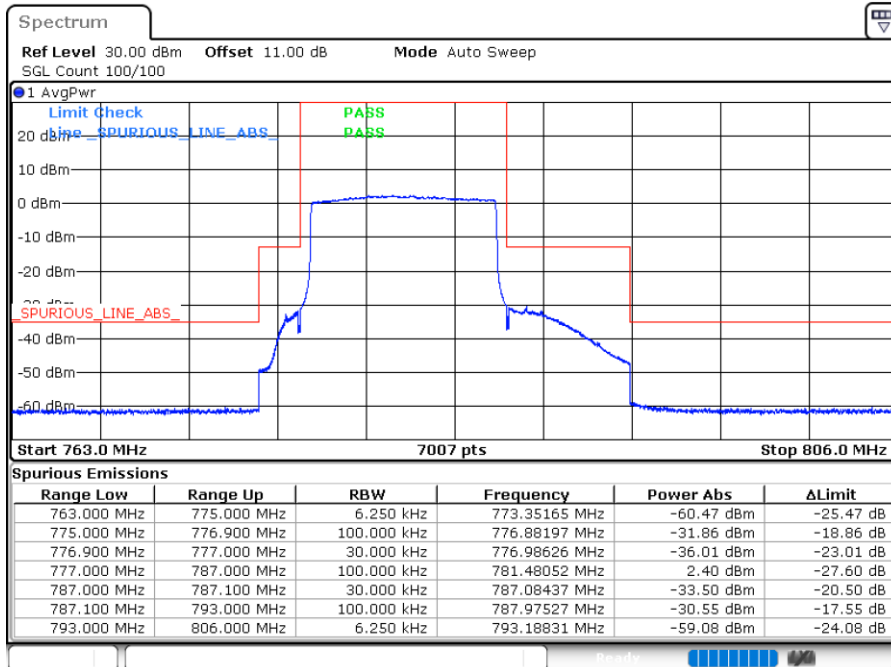
Date: 27.SEP.2020 10:23:53

Highest Band Edge / 1 RB



Date: 27.SEP.2020 10:28:51

Band Edge / Full RB

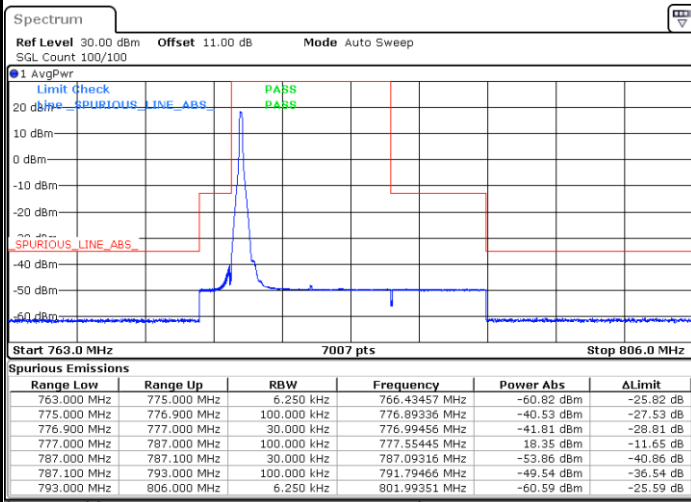


Date: 27.SEP.2020 10:22:13



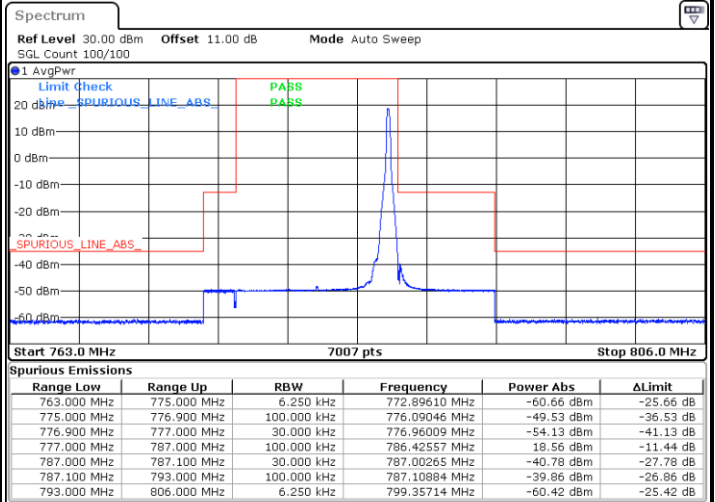
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



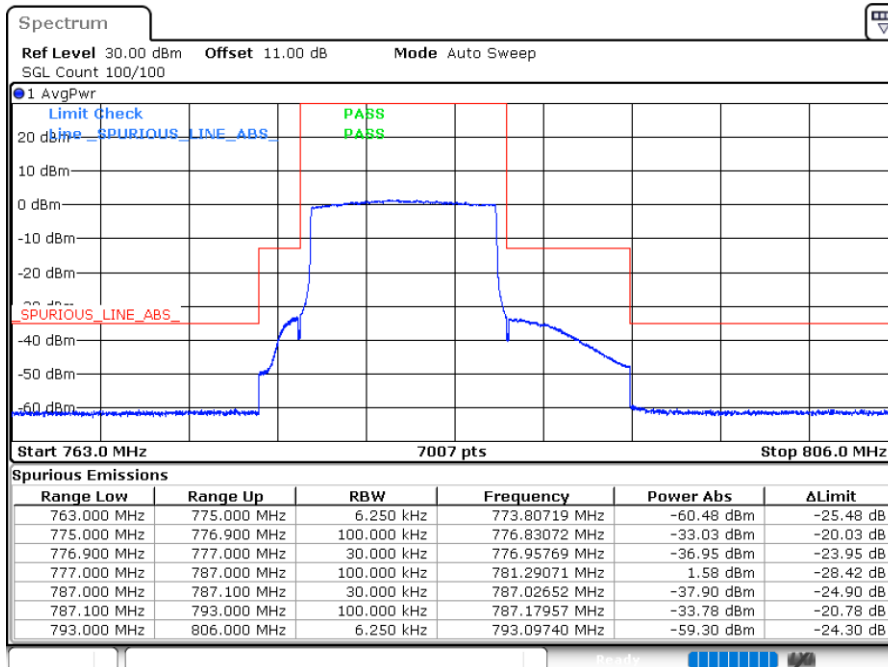
Date: 27.SEP.2020 10:17:15

Highest Band Edge / 1 RB



Date: 27.SEP.2020 10:18:55

Band Edge / Full RB



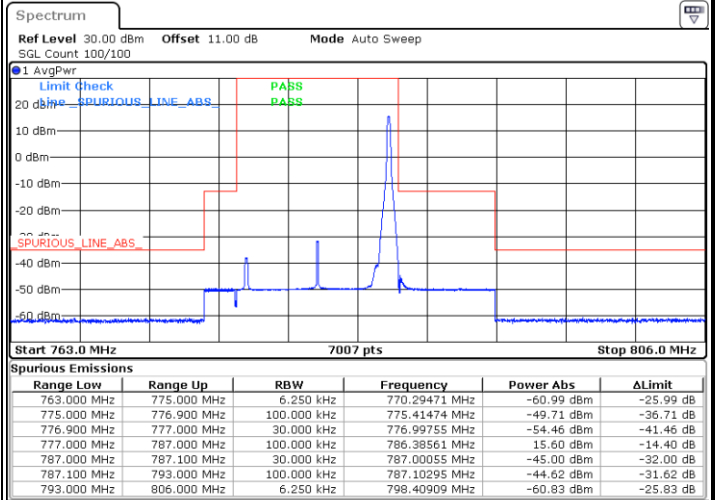
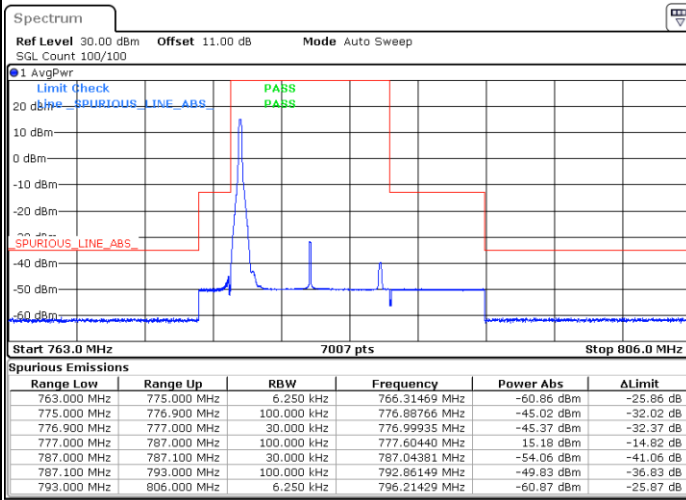
Date: 27.SEP.2020 10:15:36



LTE Band 13 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

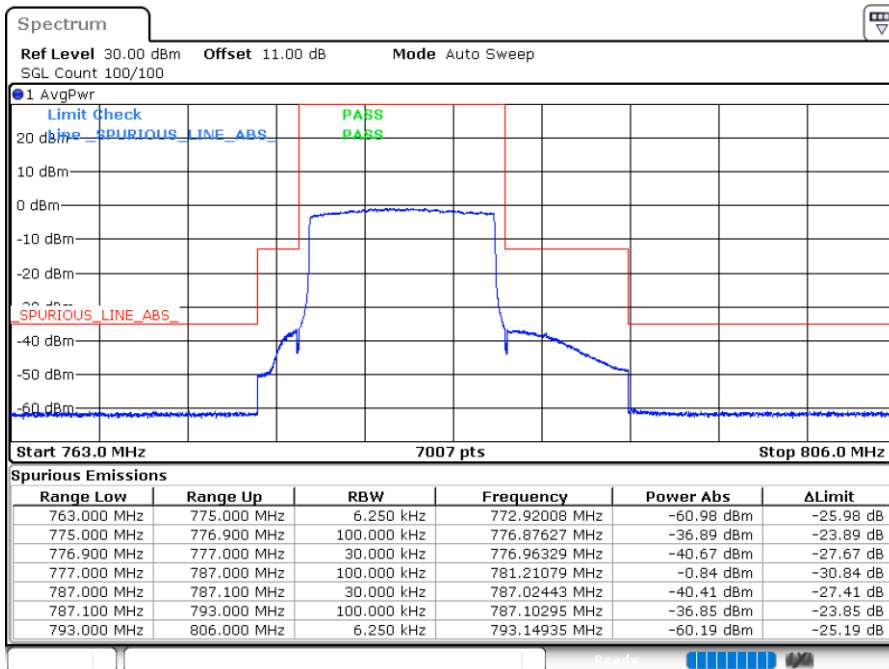
Highest Band Edge / 1 RB



Date: 28.SEP.2020 10:05:44

Date: 28.SEP.2020 10:08:06

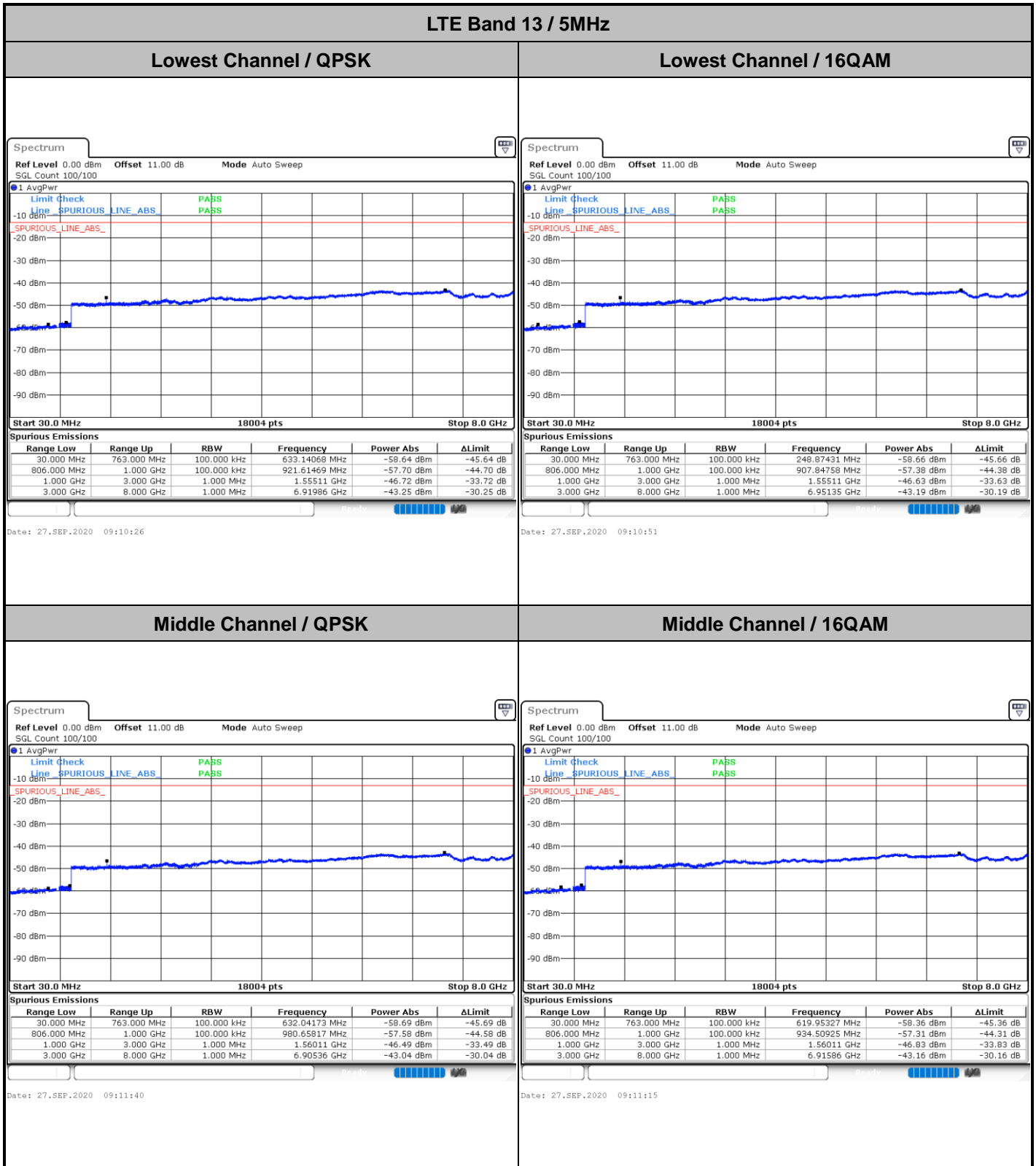
Band Edge / Full RB



Date: 28.SEP.2020 09:57:39



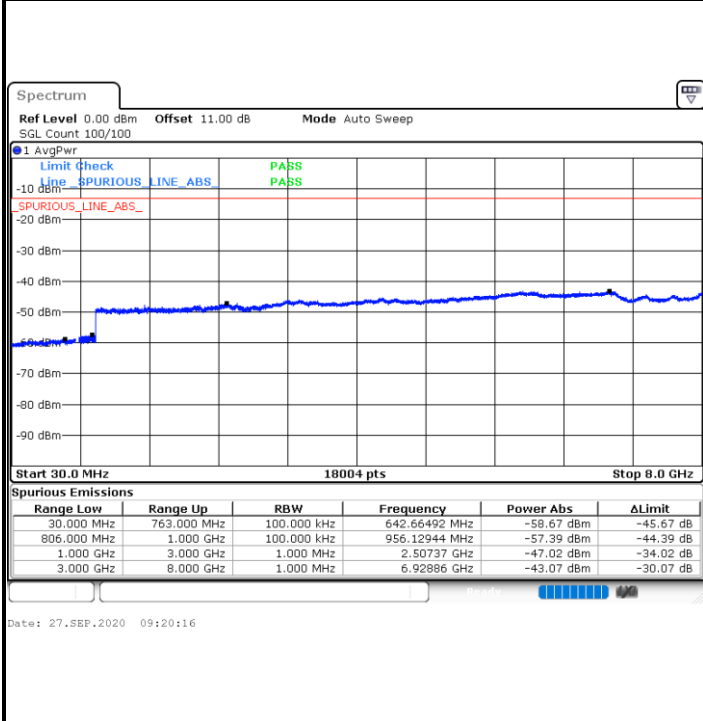
Conducted Spurious Emission



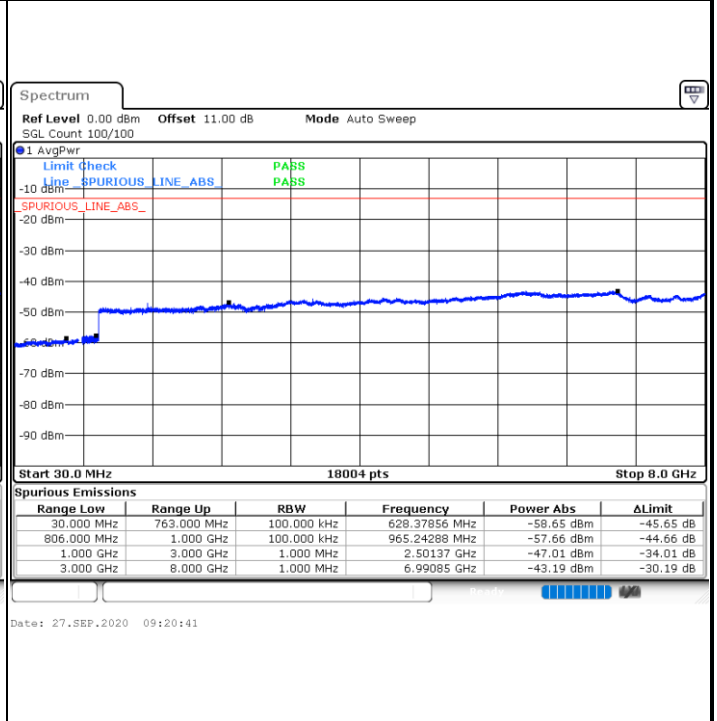


LTE Band 13 / 5MHz

Highest Channel / QPSK

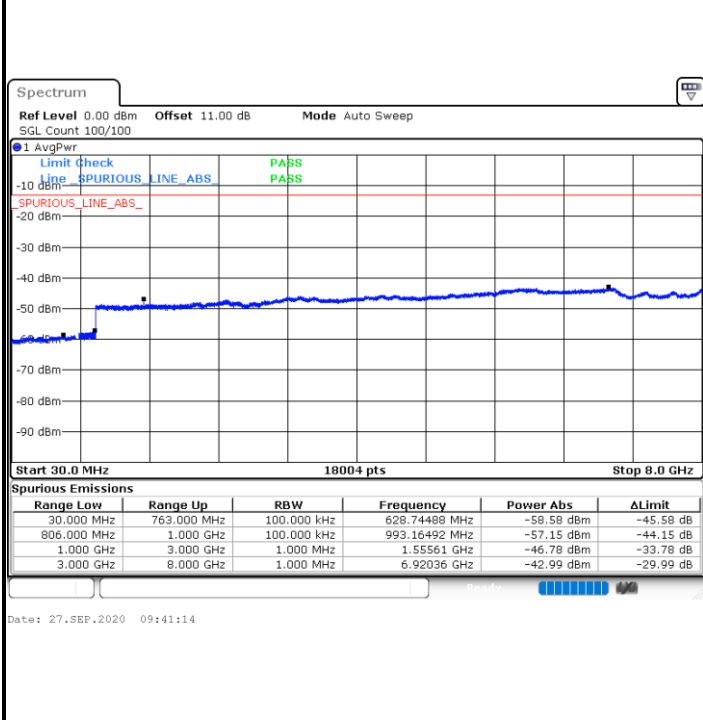


Highest Channel / 16QAM

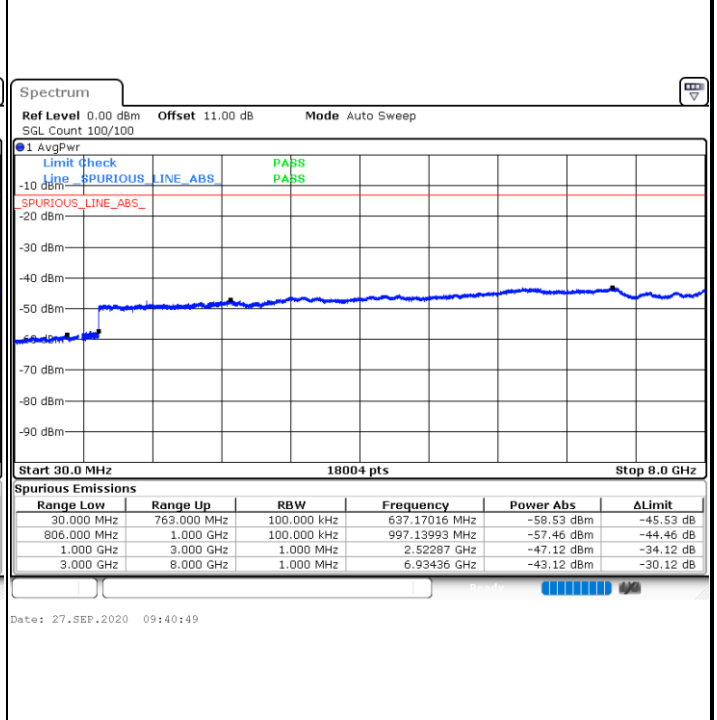


LTE Band 13 / 10MHz

Middle Channel / QPSK



Middle Channel / 16QAM

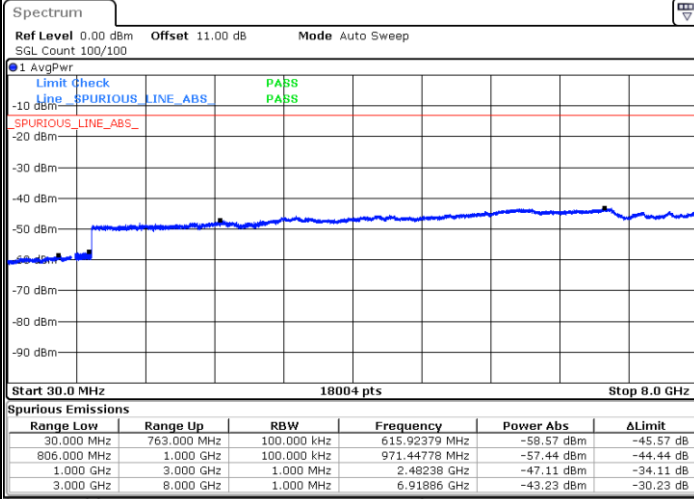




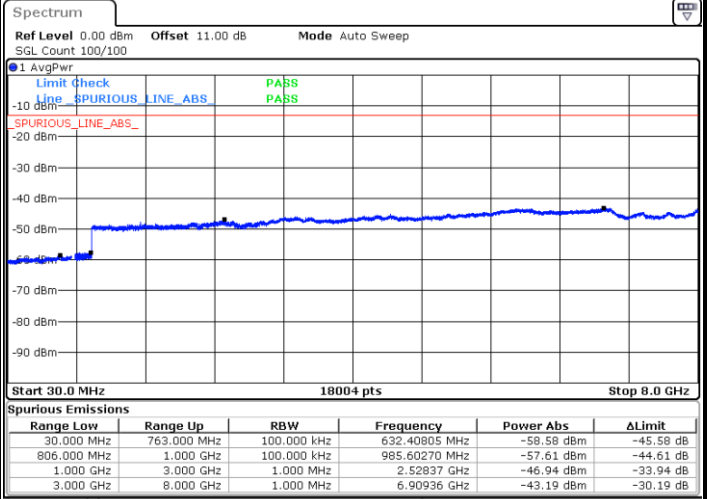
LTE Band 13 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

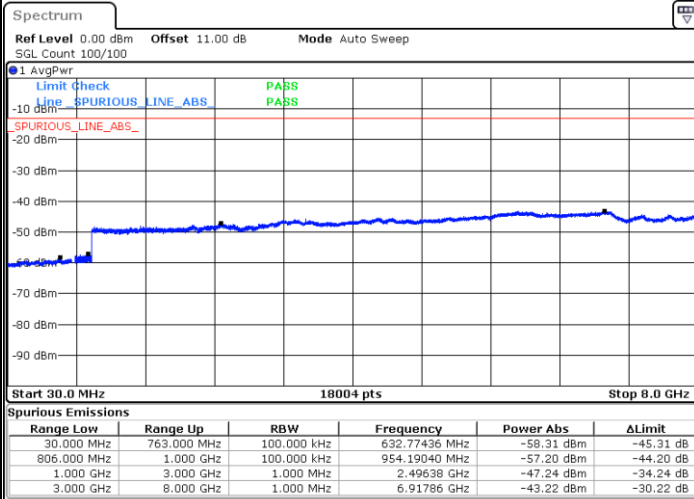


Date: 27.SEP.2020 09:24:49



Date: 27.SEP.2020 09:25:13

Highest Channel / 64QAM

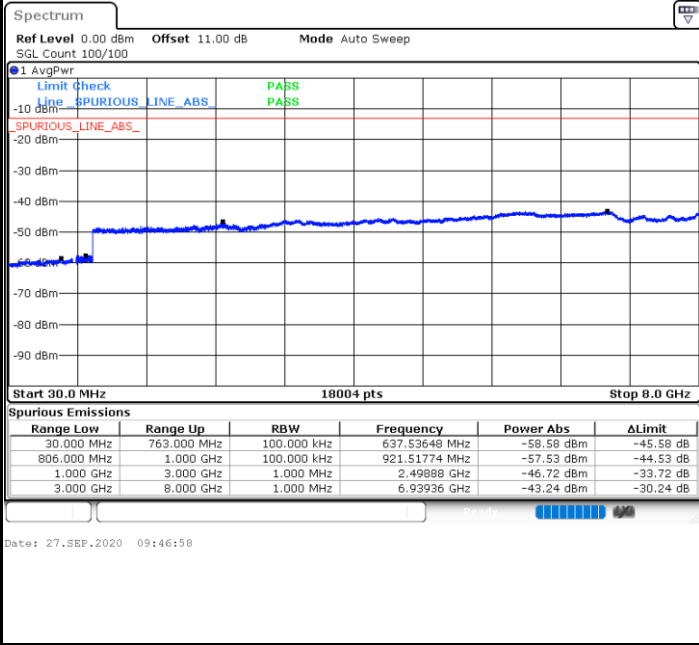


Date: 27.SEP.2020 09:29:43



LTE Band 13 / 10MHz

Middle Channel / 64QAM

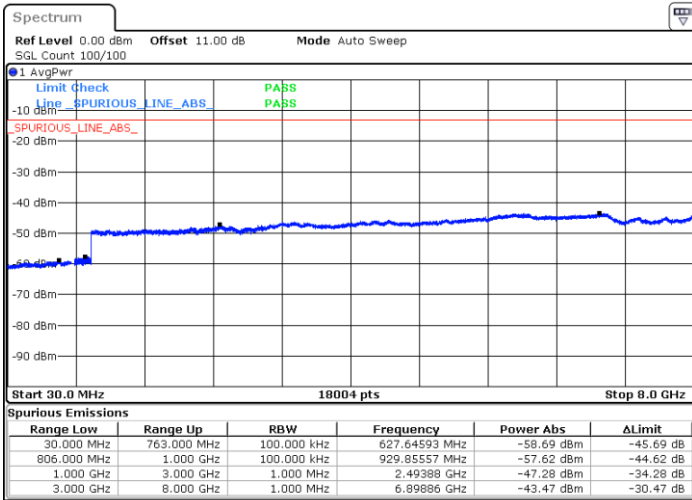




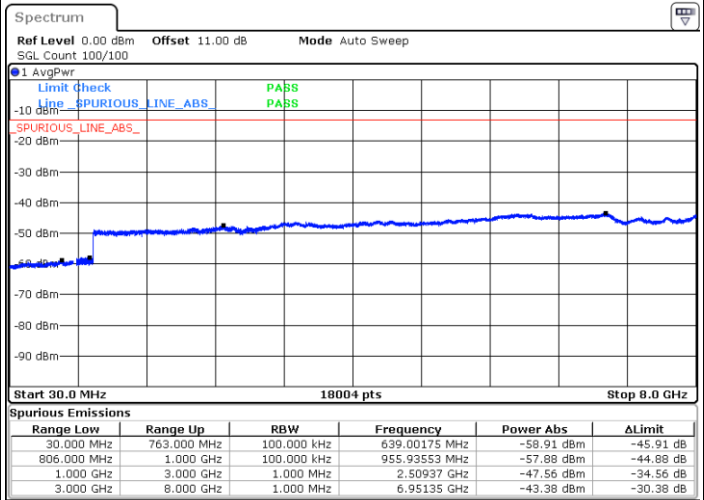
LTE Band 13 / 5MHz

Lowest Channel / 256QAM

Middle Channel / 256QAM

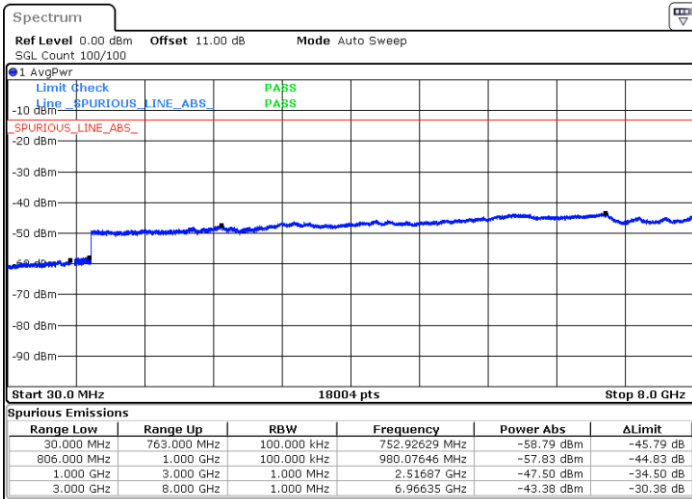


Date: 28.SEP.2020 09:44:48



Date: 28.SEP.2020 09:40:56

Highest Channel / 256QAM

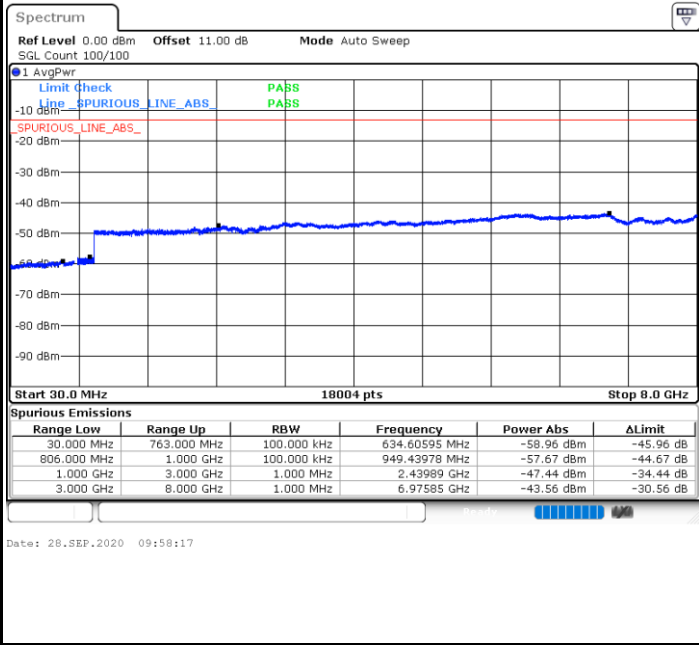


Date: 28.SEP.2020 09:52:28



LTE Band 13 / 10MHz

Middle Channel / 256QAM





Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0176	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0141	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0101	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0121	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

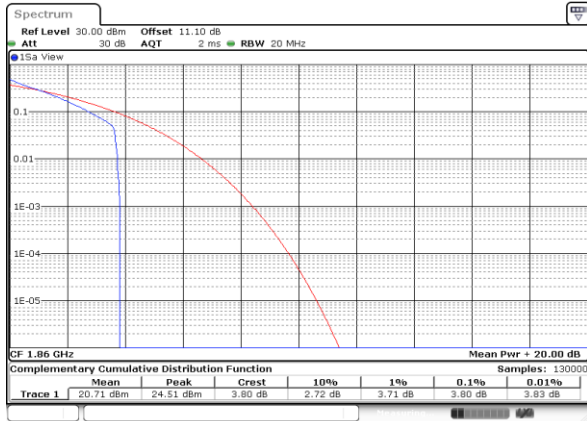
Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.80	5.10	5.54	6.03	PASS
Middle CH	3.48	5.04	5.07	5.97	
Highest CH	3.71	5.07	5.04	5.91	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.46	6.58	6.35	6.58	PASS
Middle CH	6.23	6.55	8.00	6.52	
Highest CH	6.32	6.64	6.58	5.91	



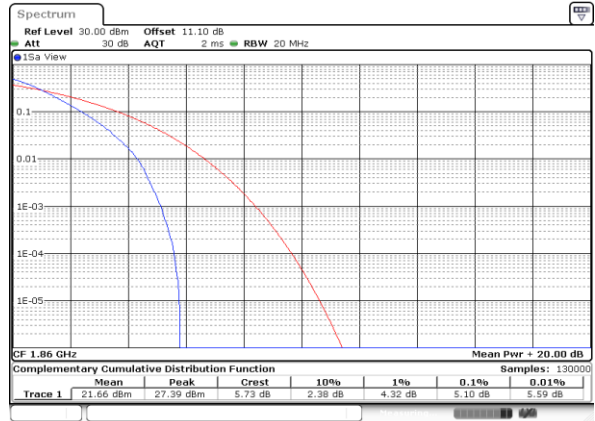
LTE Band 25 / 20MHz / QPSK

Lowest Channel / 1RB



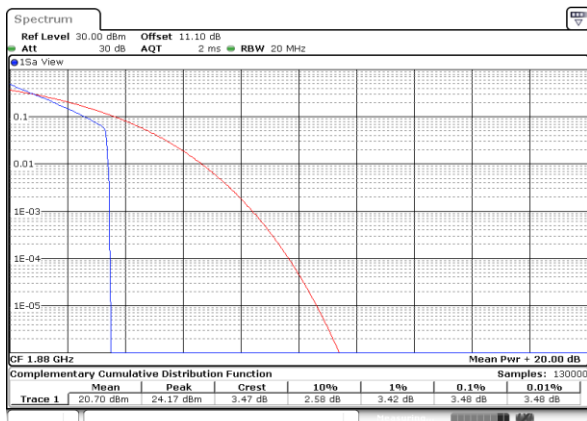
Date: 23.SEP.2020 14:31:32

Lowest Channel / Full RB



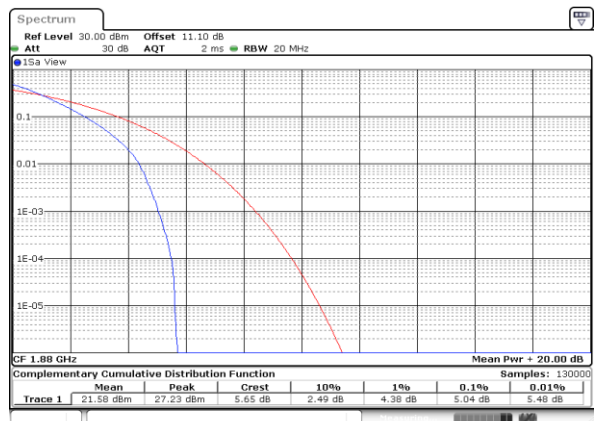
Date: 23.SEP.2020 14:31:45

Middle Channel / 1RB



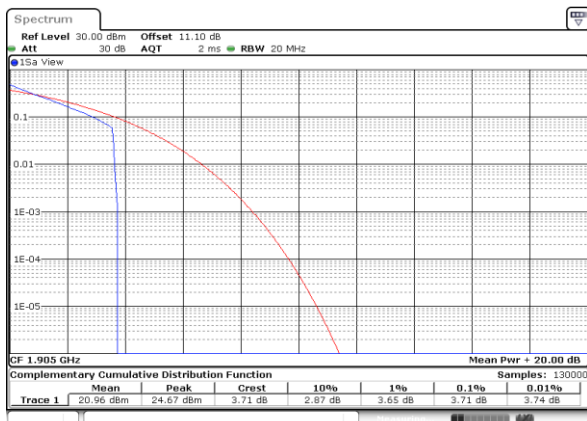
Date: 23.SEP.2020 14:32:14

Middle Channel / Full RB



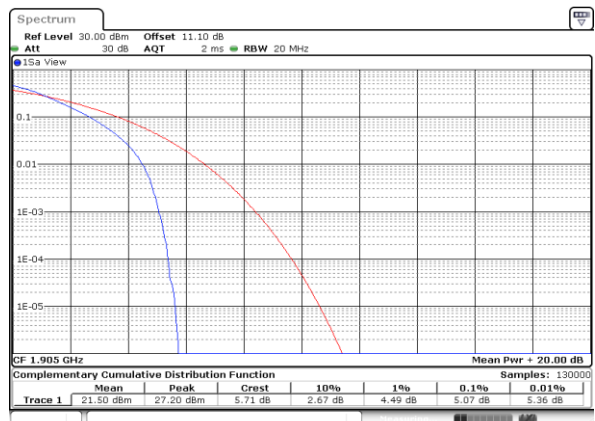
Date: 23.SEP.2020 14:32:35

Highest Channel / 1RB



Date: 23.SEP.2020 14:33:32

Highest Channel / Full RB

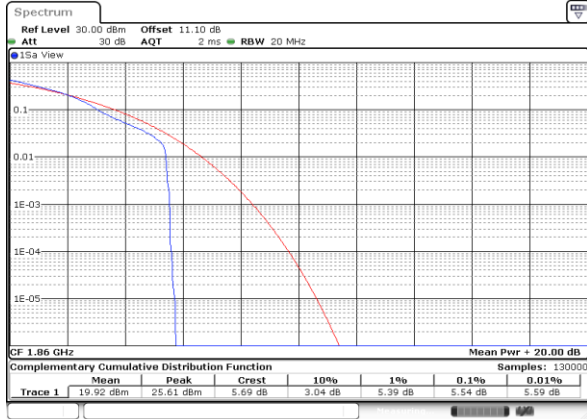


Date: 23.SEP.2020 14:33:46



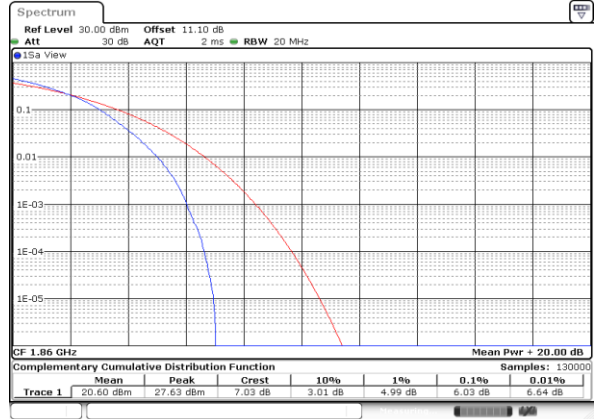
LTE Band 25 / 20MHz / 16QAM

Lowest Channel / 1RB



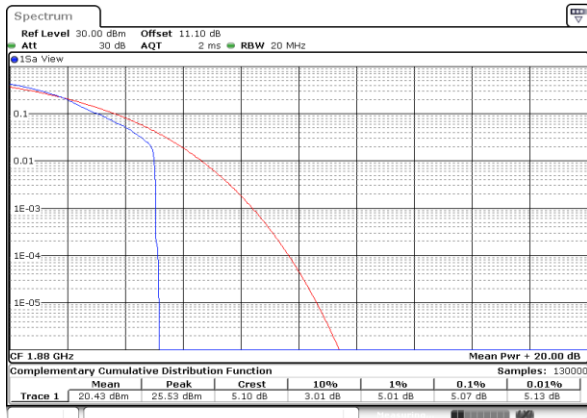
Date: 23.SEP.2020 14:31:10

Lowest Channel / Full RB



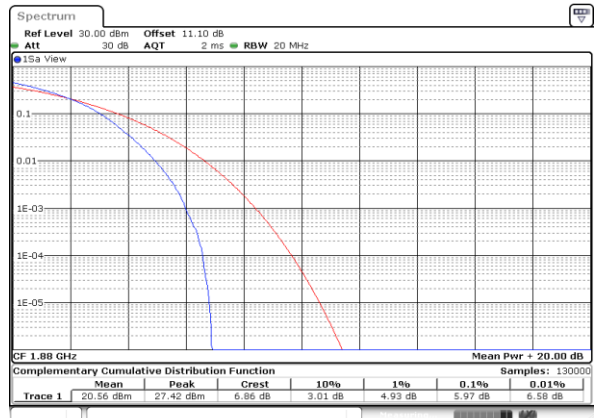
Date: 23.SEP.2020 14:31:21

Middle Channel / 1RB



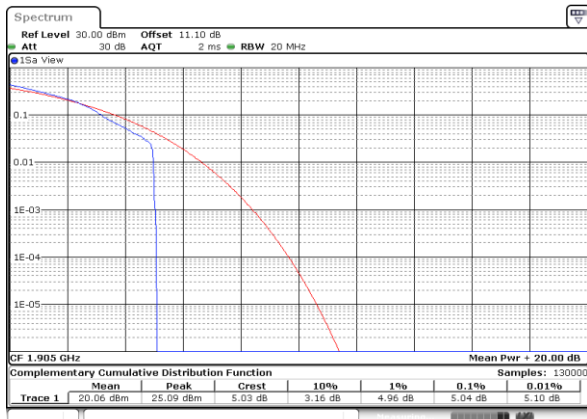
Date: 23.SEP.2020 14:32:01

Middle Channel / Full RB



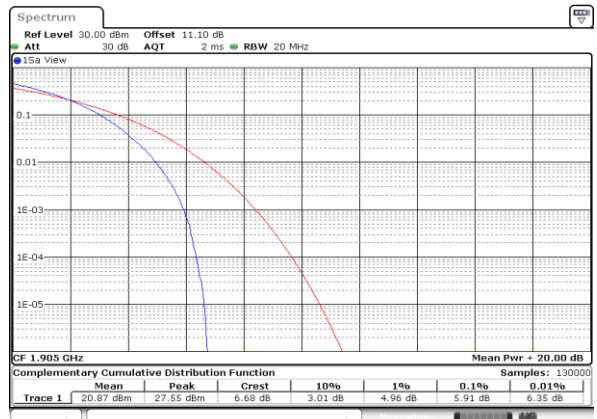
Date: 23.SEP.2020 14:32:13

Highest Channel / 1RB



Date: 23.SEP.2020 14:32:50

Highest Channel / Full RB

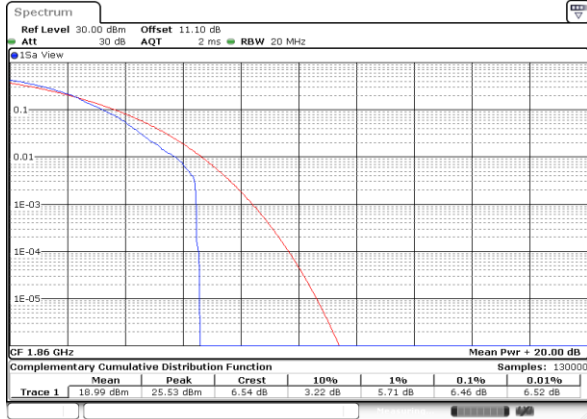


Date: 23.SEP.2020 14:33:01



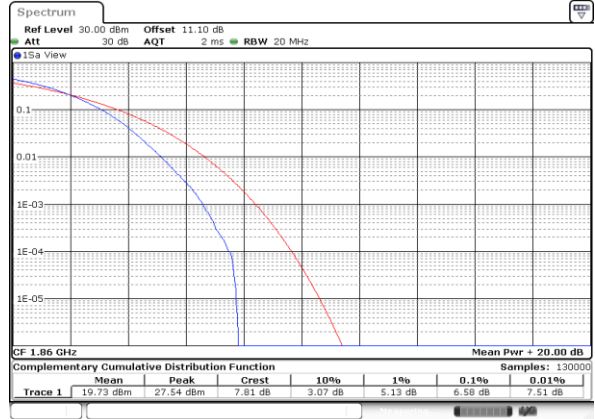
LTE Band 25 / 20MHz / 64QAM

Lowest Channel / 1RB



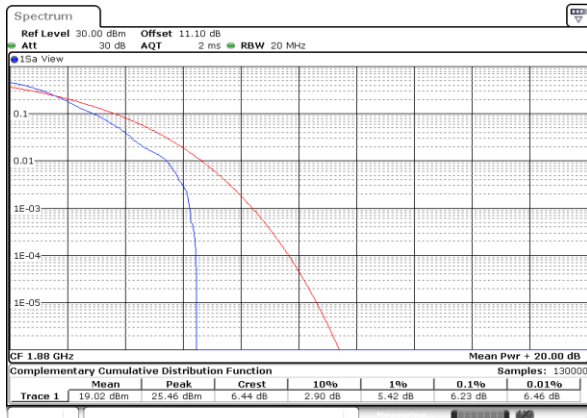
Date: 23_SEP.2020 14:29:33

Lowest Channel / Full RB



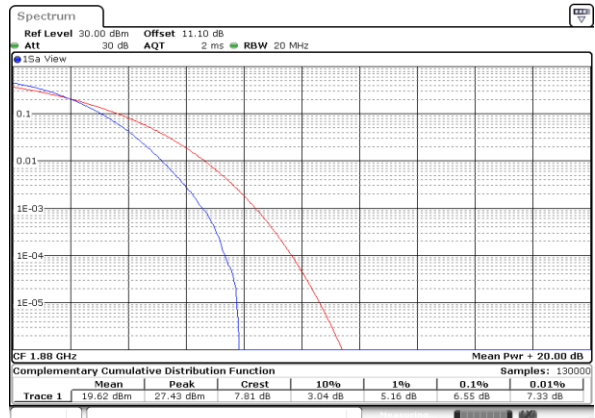
Date: 23_SEP.2020 14:29:43

Middle Channel / 1RB



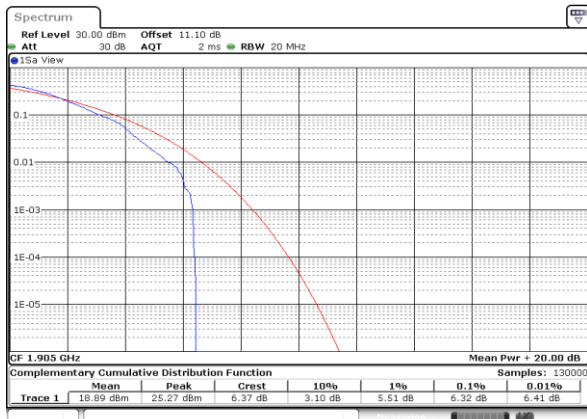
Date: 23_SEP.2020 14:30:12

Middle Channel / Full RB



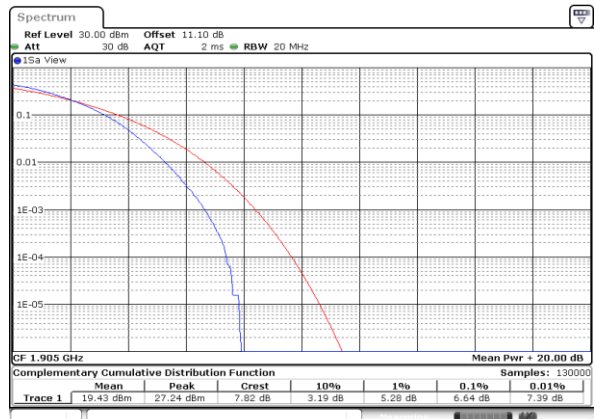
Date: 23_SEP.2020 14:30:25

Highest Channel / 1RB



Date: 23_SEP.2020 14:30:36

Highest Channel / Full RB

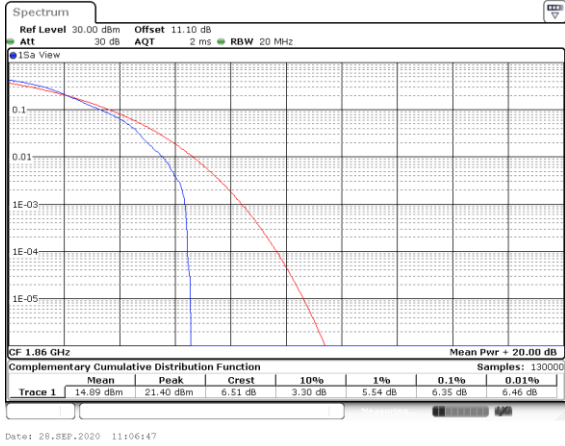


Date: 23_SEP.2020 14:30:46

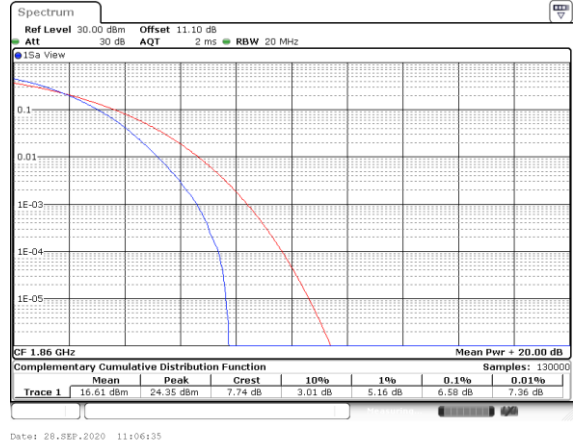


LTE Band 25 / 20MHz / 256QAM

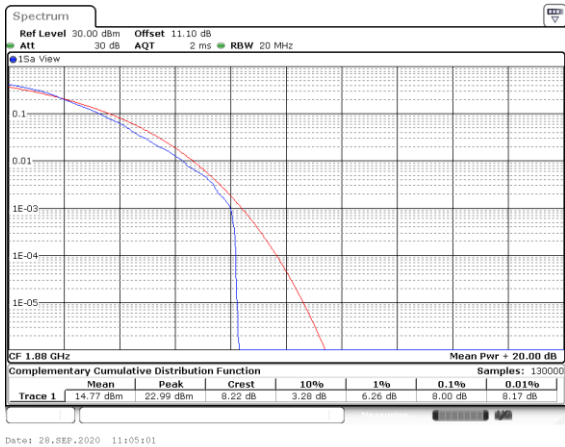
Lowest Channel / 1RB



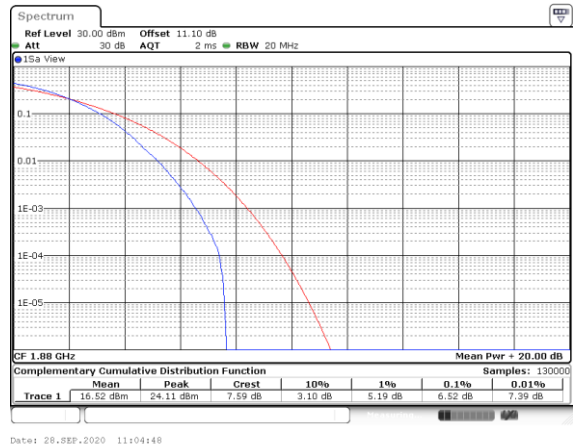
Lowest Channel / Full RB



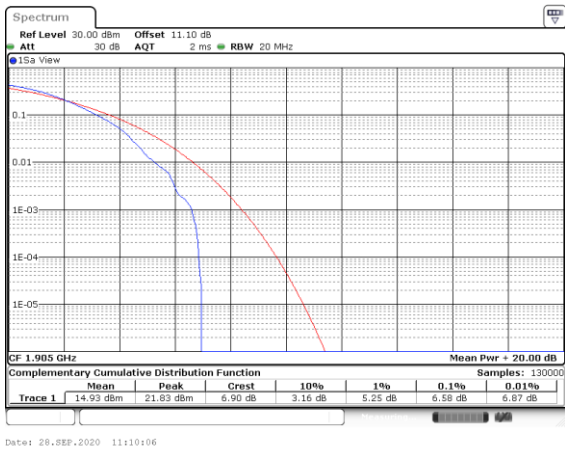
Middle Channel / 1RB



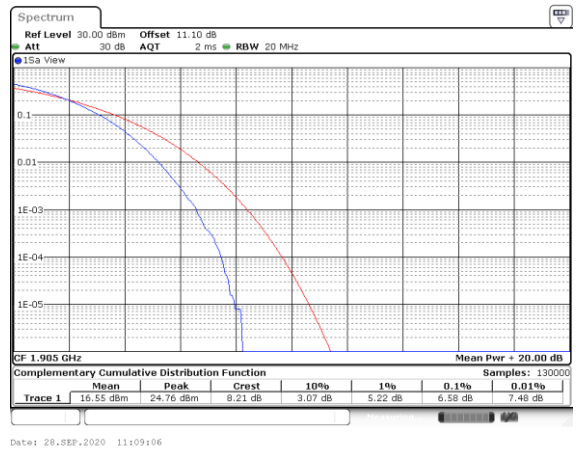
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





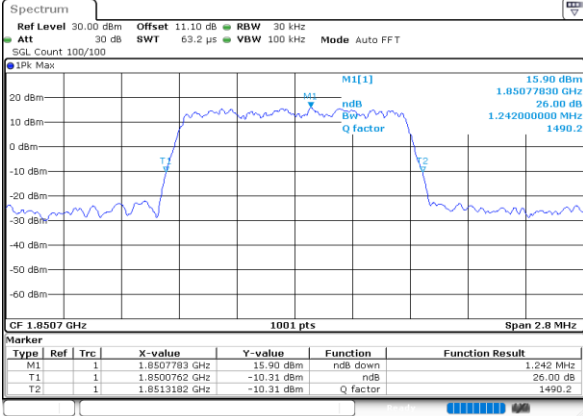
26dB Bandwidth

Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.24	1.23	3.05	3.01	4.87	4.78	9.75	9.73	14.51	14.30	18.98	19.22
Middle CH	1.23	1.22	3.03	2.99	4.85	4.84	9.75	9.73	14.51	14.66	18.94	18.98
Highest CH	1.22	1.24	3.03	3.01	4.93	4.82	9.79	9.77	14.30	14.21	18.90	18.94
Mode	LTE Band 25 : 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
Lowest CH	1.23	1.22	2.96	3.04	4.83	4.90	9.75	9.73	14.33	14.33	18.62	18.74
Middle CH	1.23	1.22	3.05	3.01	4.86	4.93	9.85	9.85	14.51	14.33	19.02	19.10
Highest CH	1.23	1.23	3.02	3.03	4.90	4.91	9.75	9.93	14.30	14.48	19.26	19.22



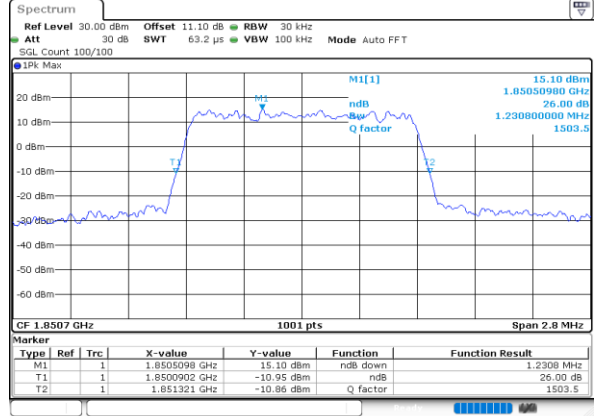
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



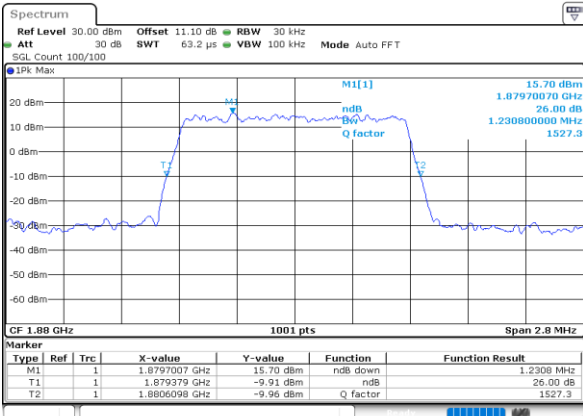
Date: 23_SEP.2020 11:48:58

Lowest Channel / 1.4MHz / 16QAM



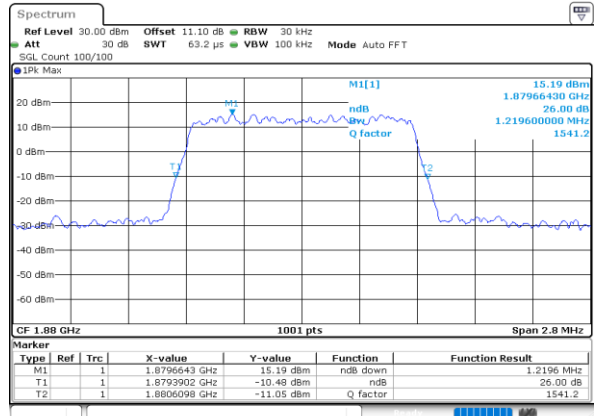
Date: 23_SEP.2020 11:49:09

Middle Channel / 1.4MHz / QPSK



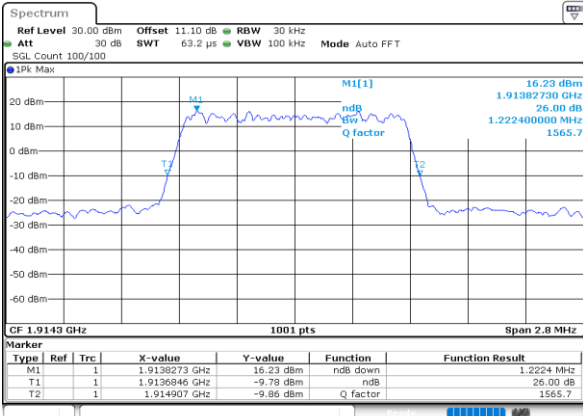
Date: 23_SEP.2020 11:51:16

Middle Channel / 1.4MHz / 16QAM



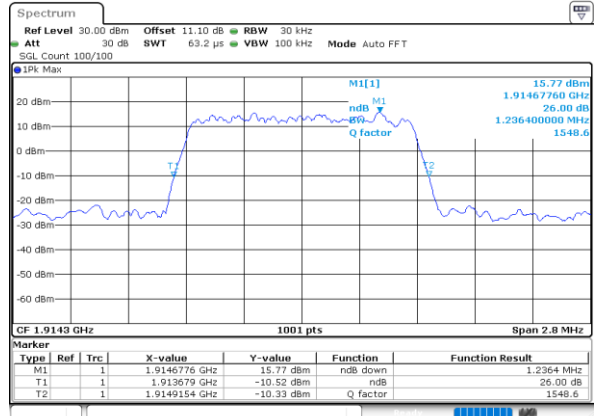
Date: 23_SEP.2020 11:51:27

Highest Channel / 1.4MHz / QPSK



Date: 23_SEP.2020 11:53:45

Highest Channel / 1.4MHz / 16QAM



Date: 23_SEP.2020 11:53:34