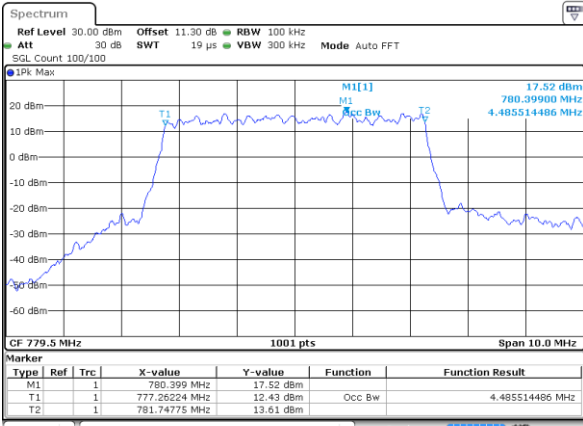




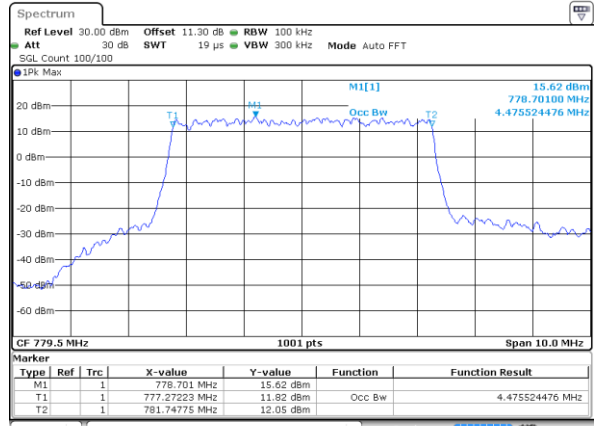
LTE Band 13

Lowest Channel / 5MHz / QPSK



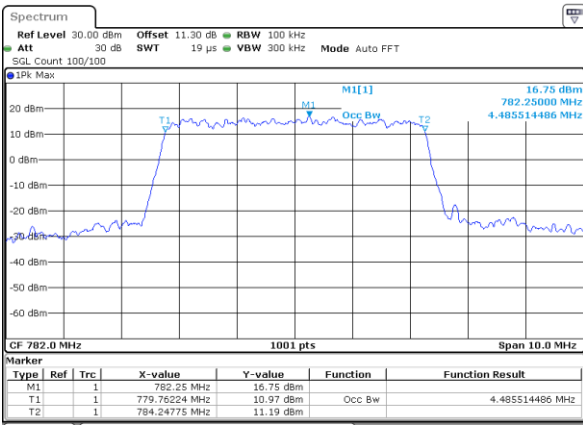
Date: 25 SEP 2020 20:44:03

Lowest Channel / 5MHz / 16QAM



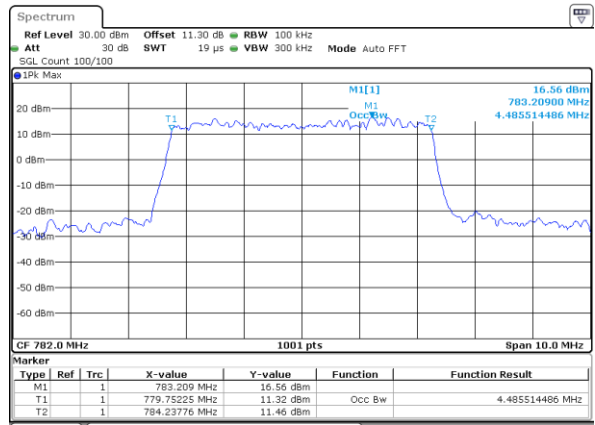
Date: 25 SEP 2020 20:44:15

Middle Channel / 5MHz / QPSK



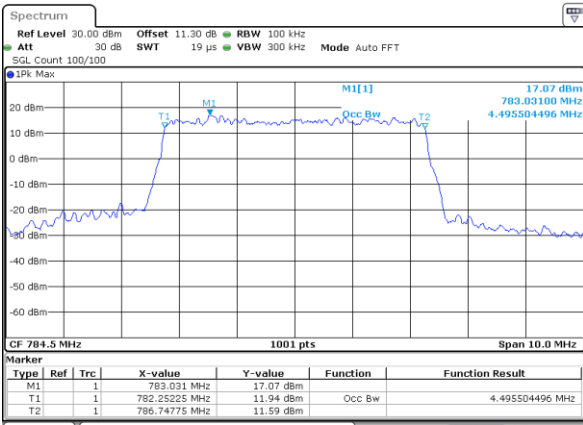
Date: 25 SEP 2020 20:54:48

Middle Channel / 5MHz / 16QAM



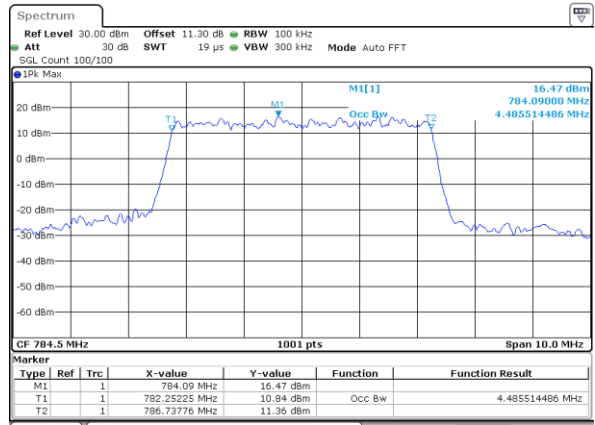
Date: 25 SEP 2020 20:54:37

Highest Channel / 5MHz / QPSK



Date: 25 SEP 2020 20:55:00

Highest Channel / 5MHz / 16QAM

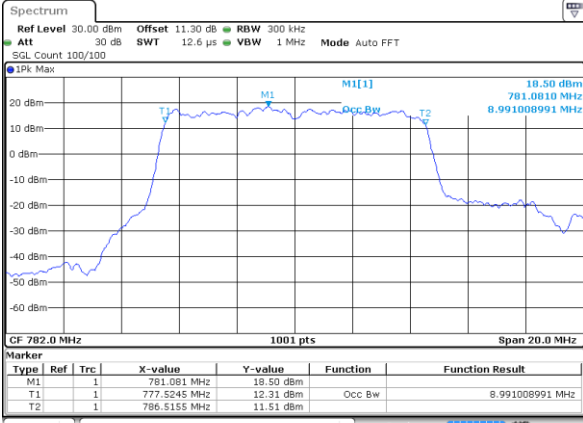


Date: 25 SEP 2020 20:55:12



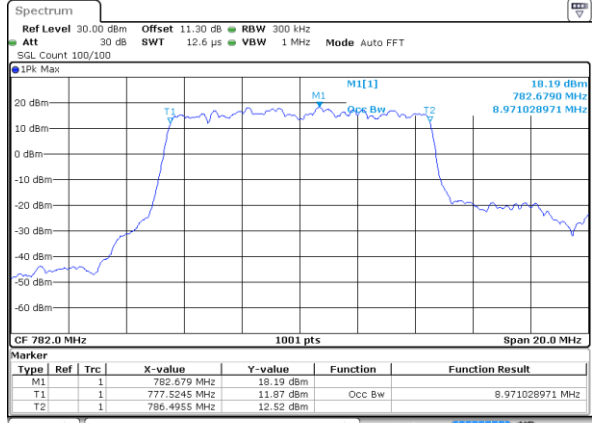
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 25 SEP 2020 21:13:46

Middle Channel / 10MHz / 16QAM

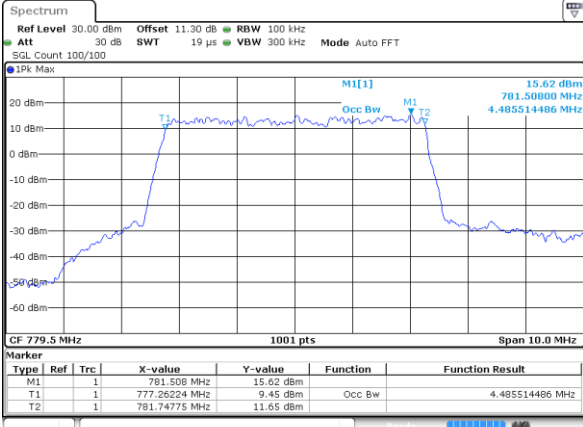


Date: 25 SEP 2020 21:13:58



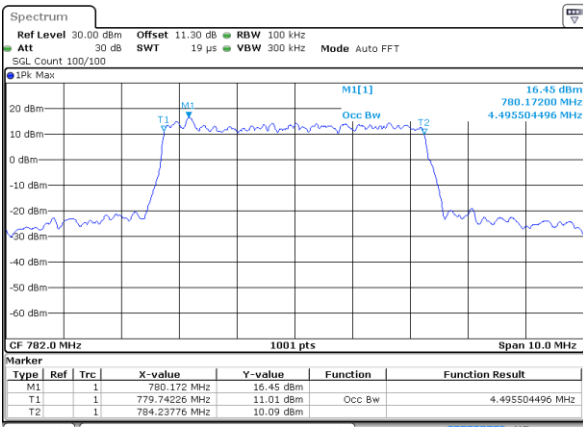
LTE Band 13

Lowest Channel / 5MHz / 64QAM



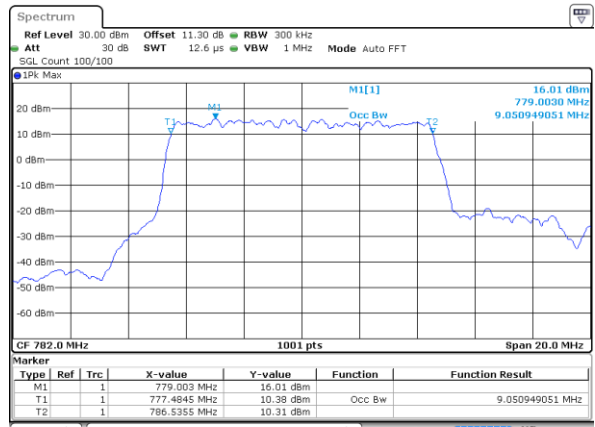
Date: 25 SEP 2020 21:03:52

Middle Channel / 5MHz / 64QAM



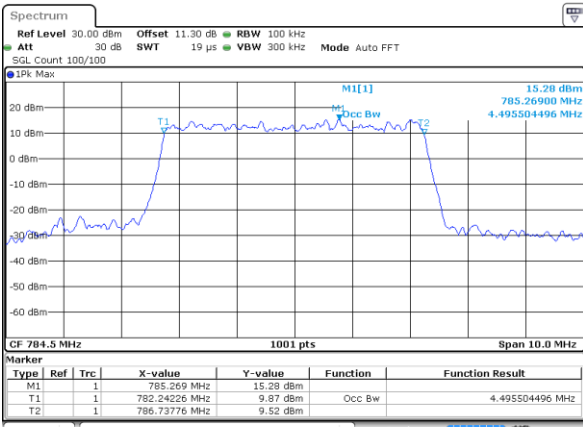
Date: 25 SEP 2020 21:09:08

Middle Channel / 10MHz / 64QAM



Date: 25 SEP 2020 21:25:52

Highest Channel / 5MHz / 64QAM



Date: 25 SEP 2020 21:09:20

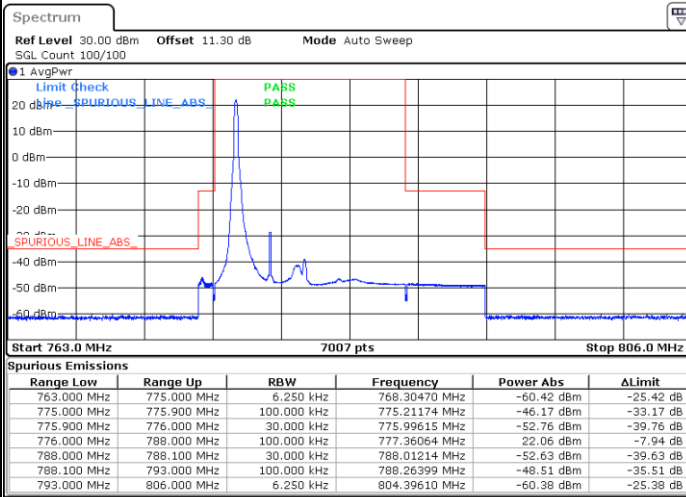


Conducted Band Edge

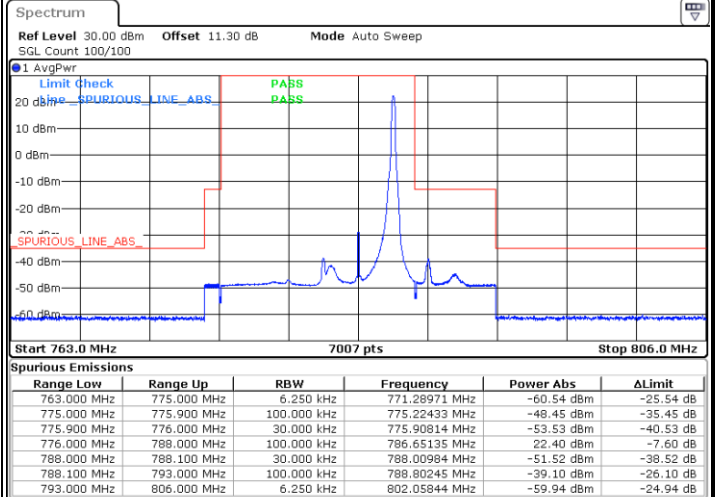
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



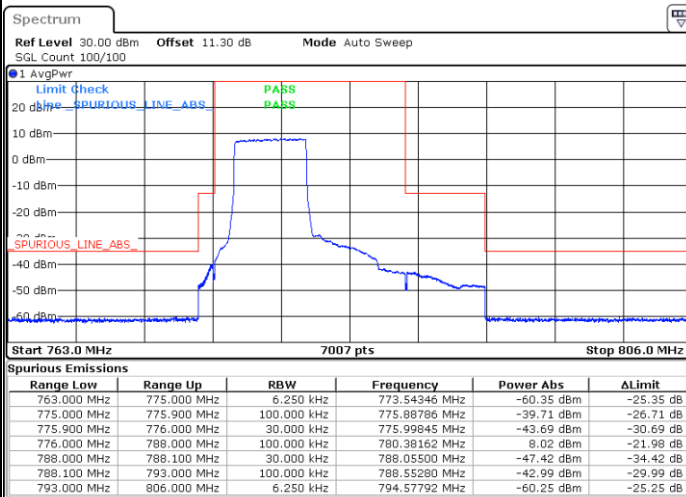
Date: 25 SEP 2020 20:51:21



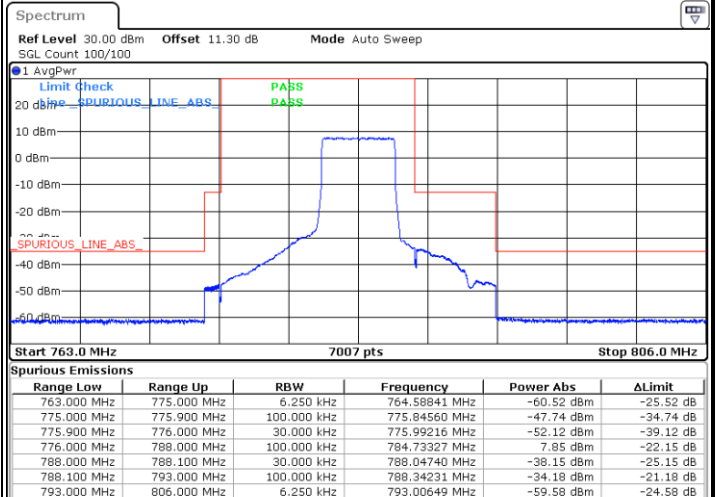
Date: 25 SEP 2020 21:02:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25 SEP 2020 20:46:18



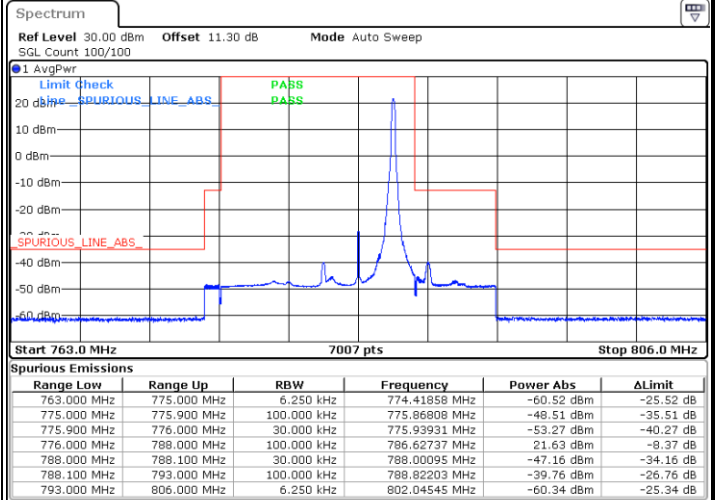
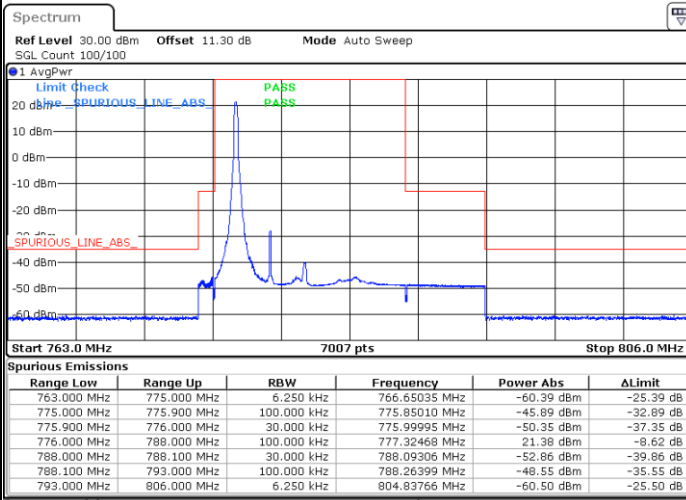
Date: 25 SEP 2020 20:57:16



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

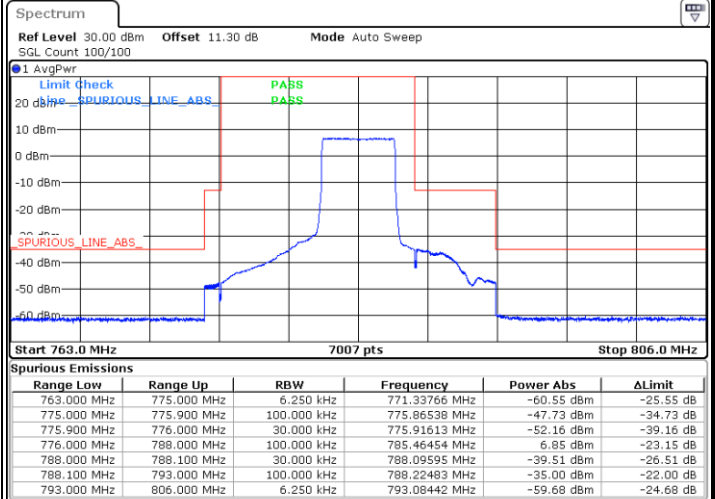
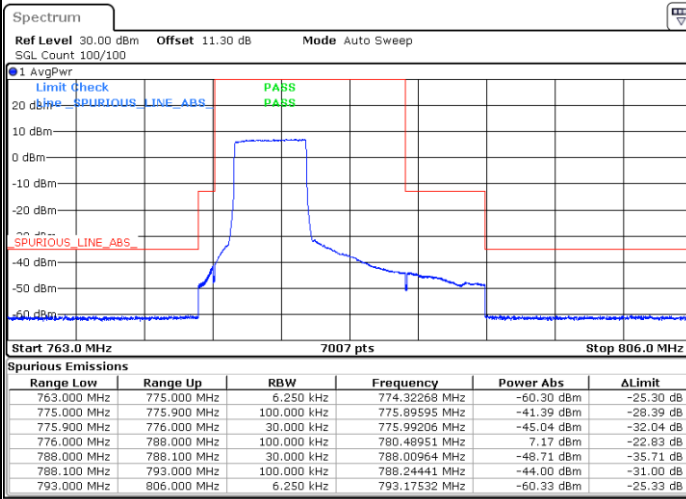


Date: 25 SEP 2020 20:49:40

Date: 25 SEP 2020 21:00:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25 SEP 2020 20:47:59

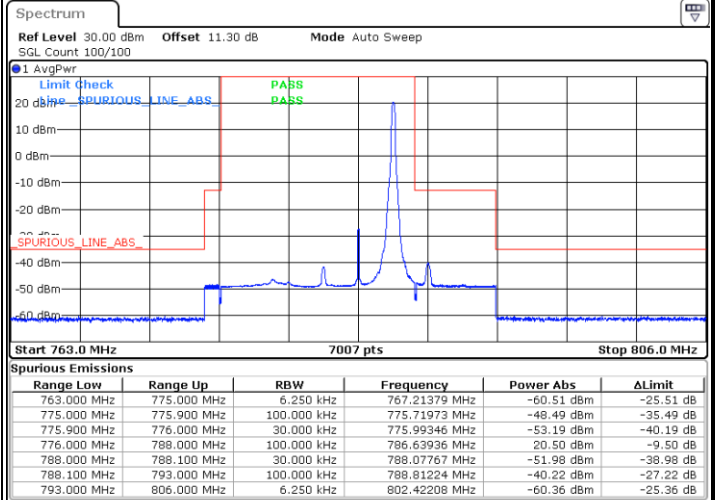
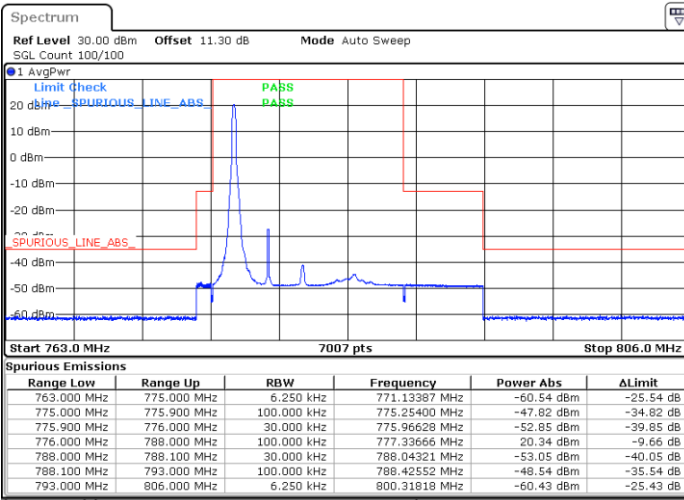
Date: 25 SEP 2020 20:58:56



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

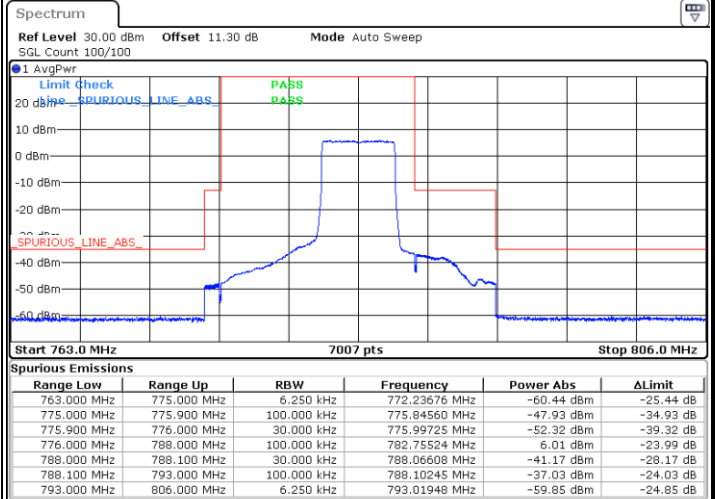
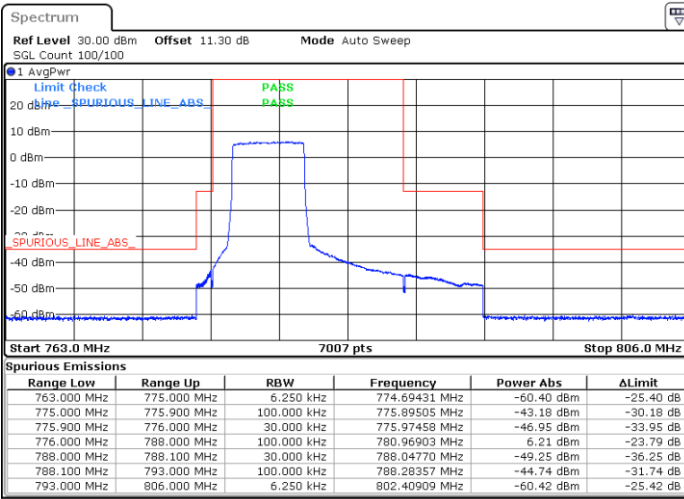


Date: 25 SEP 2020 21:07:25

Date: 25 SEP 2020 21:12:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



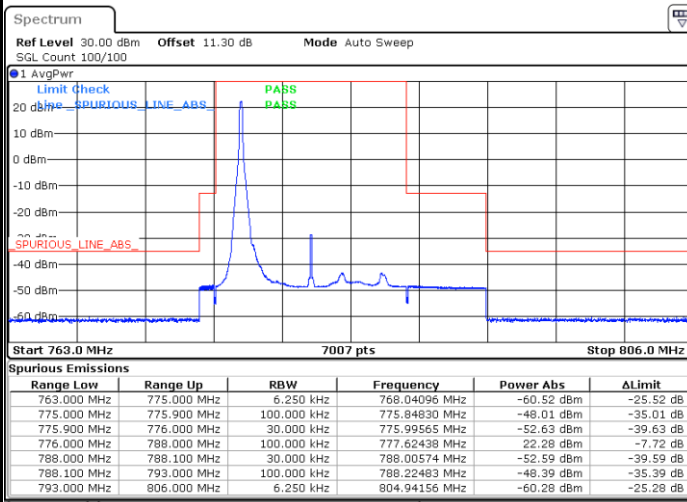
Date: 25 SEP 2020 21:05:44

Date: 25 SEP 2020 21:11:12



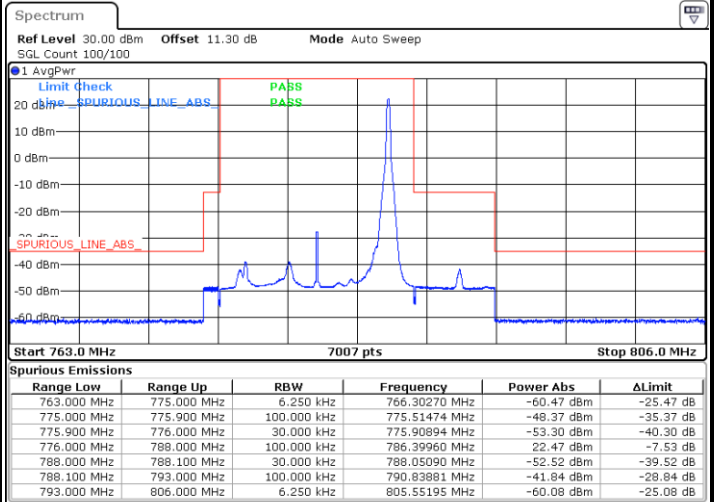
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



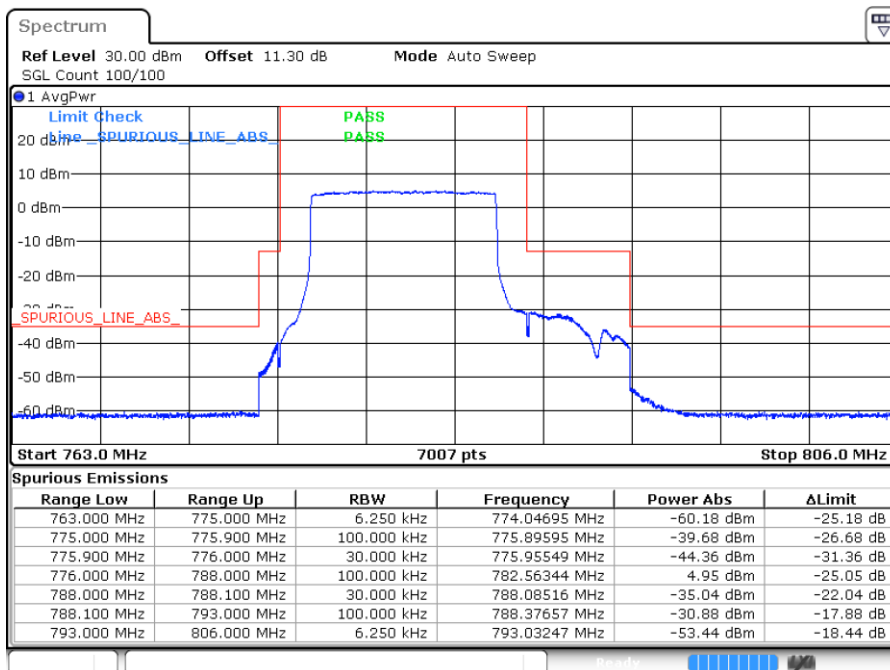
Date: 25 SEP 2020 21:21:00

Highest Band Edge / 1 RB



Date: 25 SEP 2020 21:22:40

Band Edge / Full RB

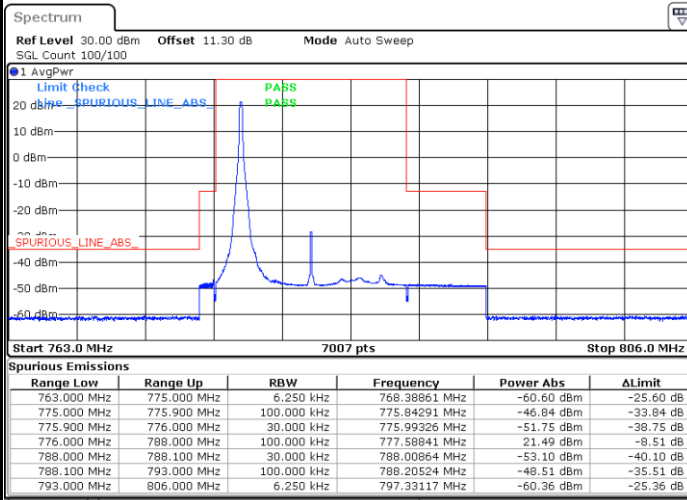


Date: 25 SEP 2020 21:16:00



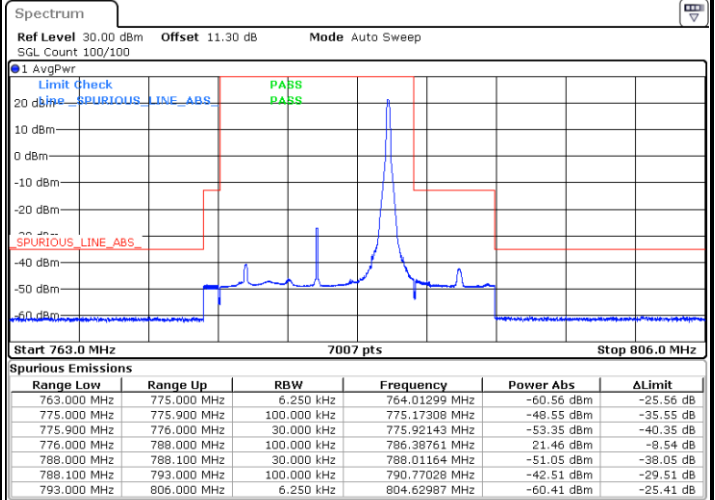
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



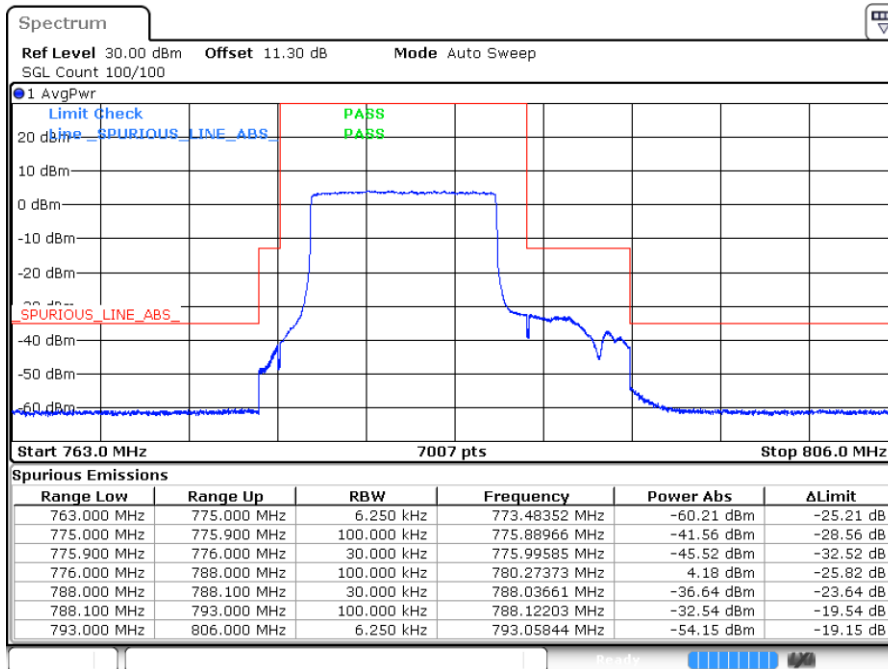
Date: 25 SEP 2020 21:19:20

Highest Band Edge / 1 RB



Date: 25 SEP 2020 21:24:20

Band Edge / Full RB



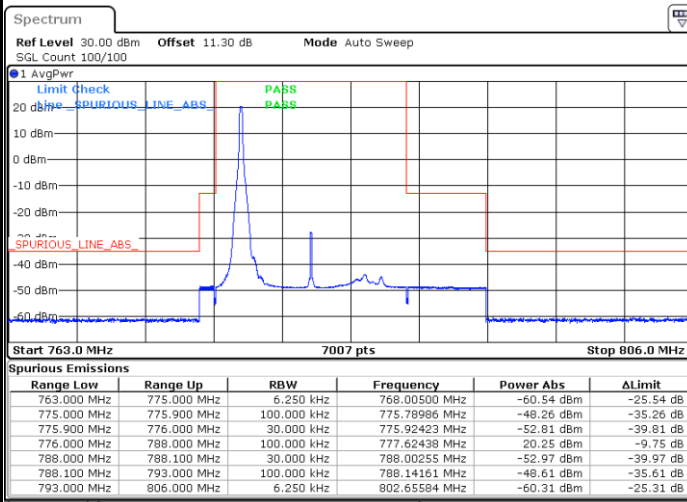
Date: 25 SEP 2020 21:17:40





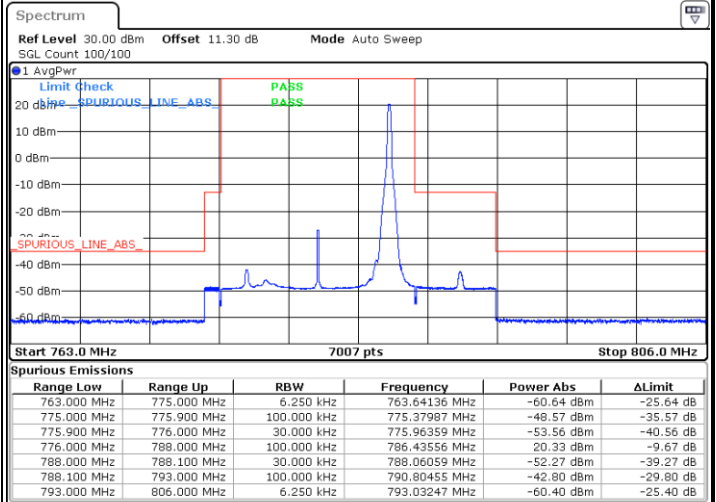
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



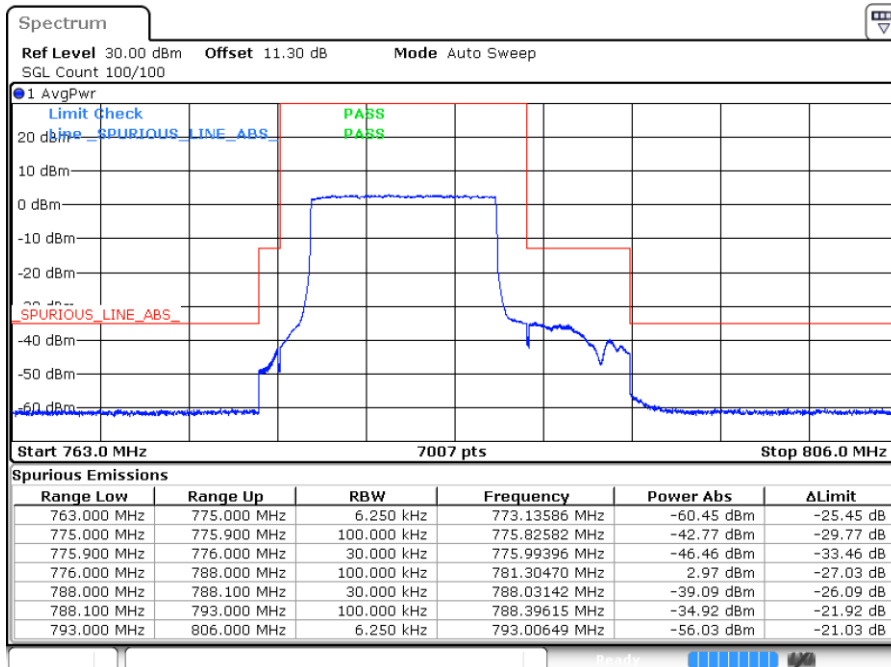
Date: 25 SEP 2020 21:29:23

Highest Band Edge / 1 RB



Date: 25 SEP 2020 21:31:04

Band Edge / Full RB



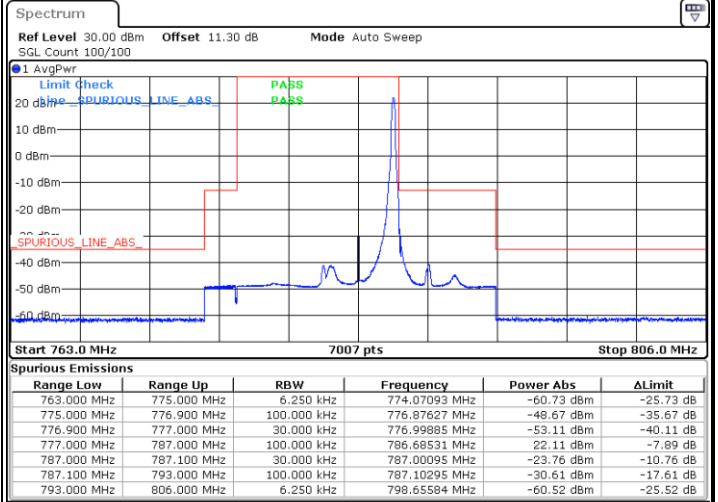
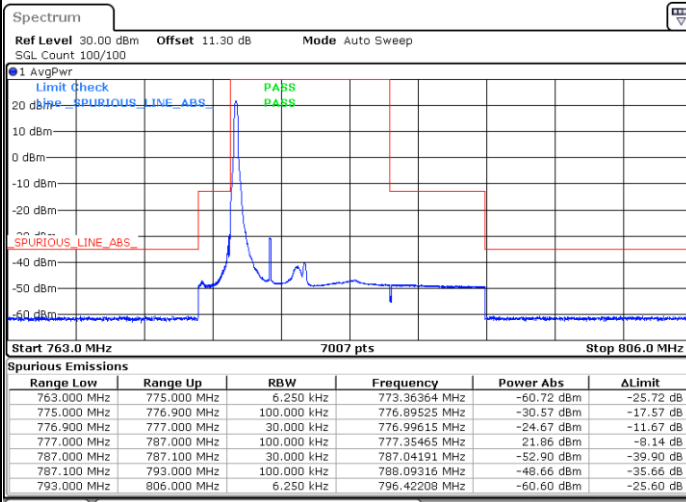
Date: 25 SEP 2020 21:27:43



IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

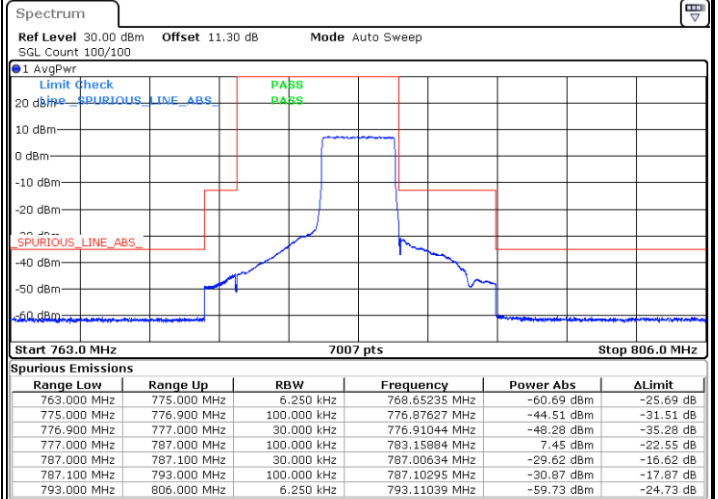
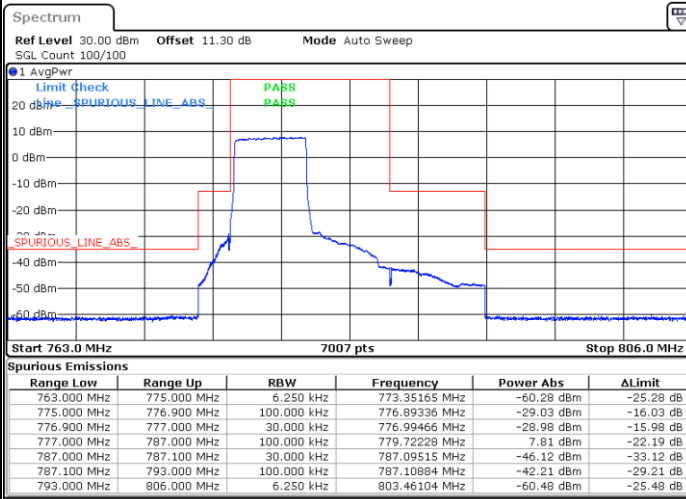


Date: 28 SEP 2020 04:18:16

Date: 28 SEP 2020 04:24:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28 SEP 2020 04:13:13

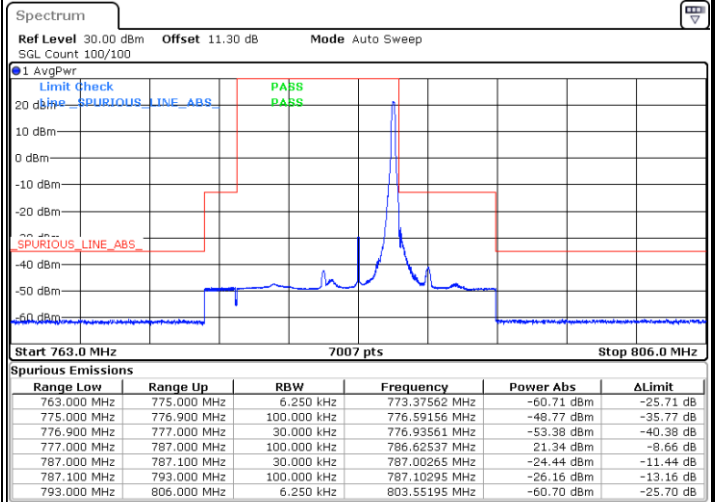
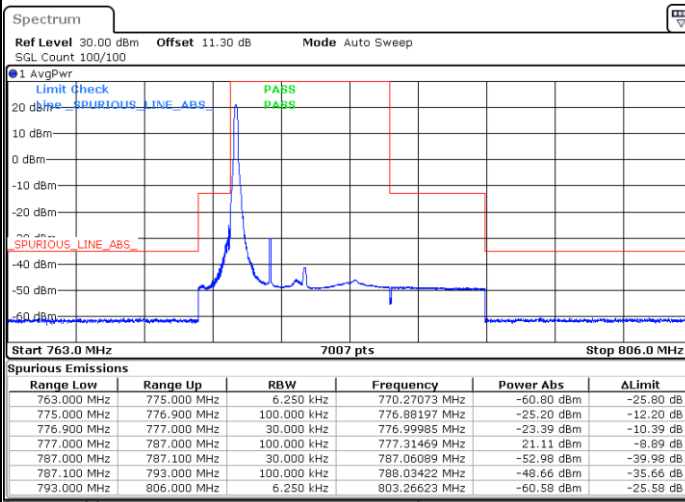
Date: 28 SEP 2020 04:19:56



IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

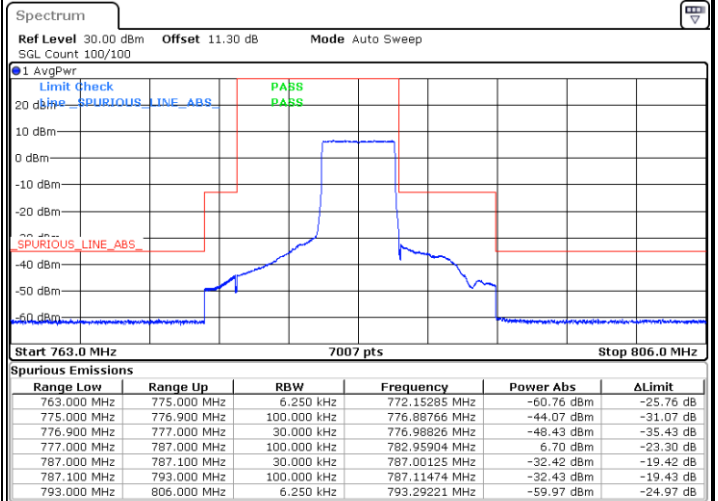
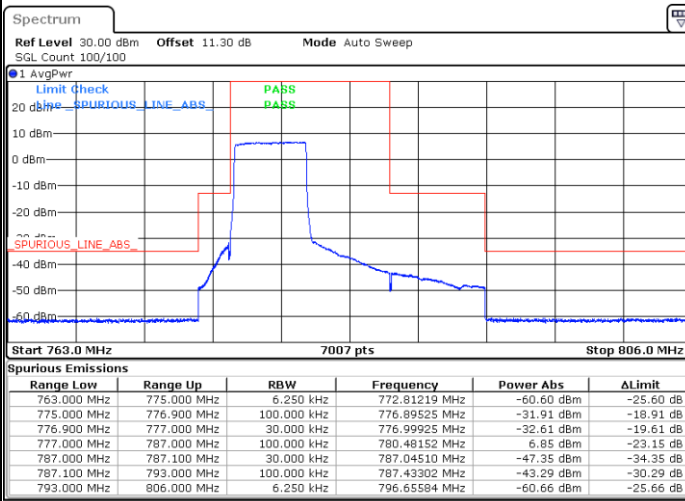


Date: 28 SEP 2020 04:16:35

Date: 28 SEP 2020 04:23:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28 SEP 2020 04:14:54

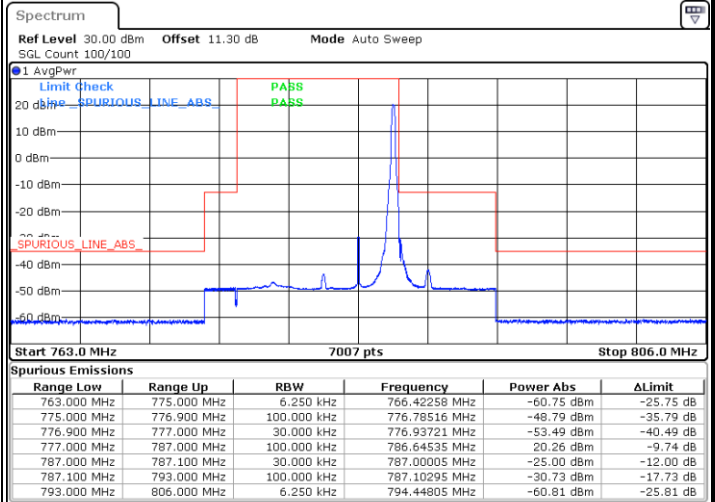
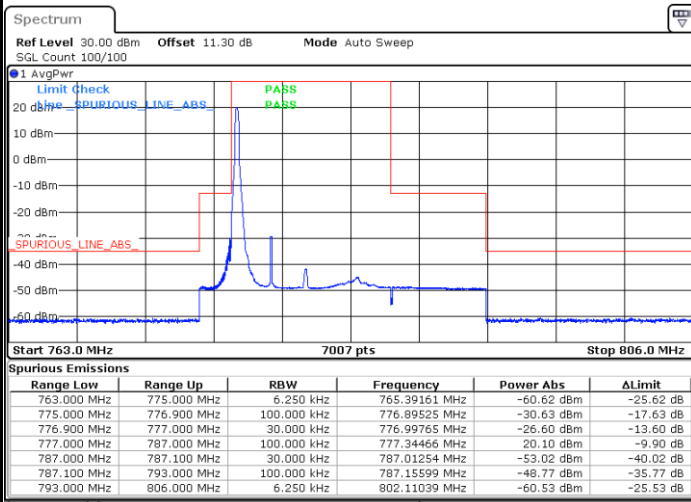
Date: 28 SEP 2020 04:21:37



IC LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

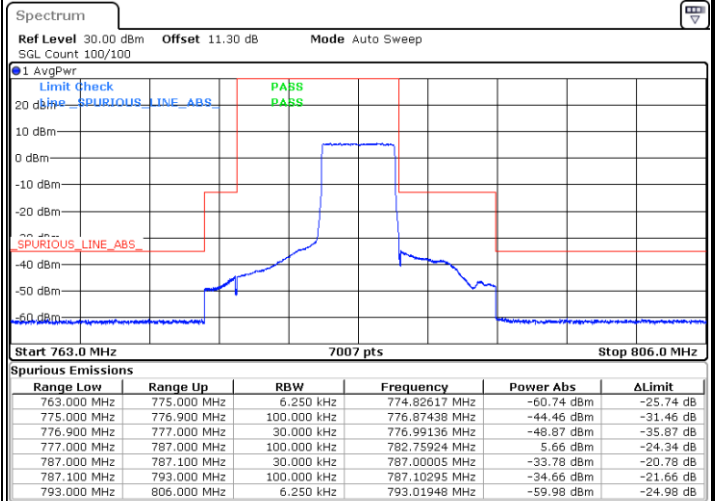
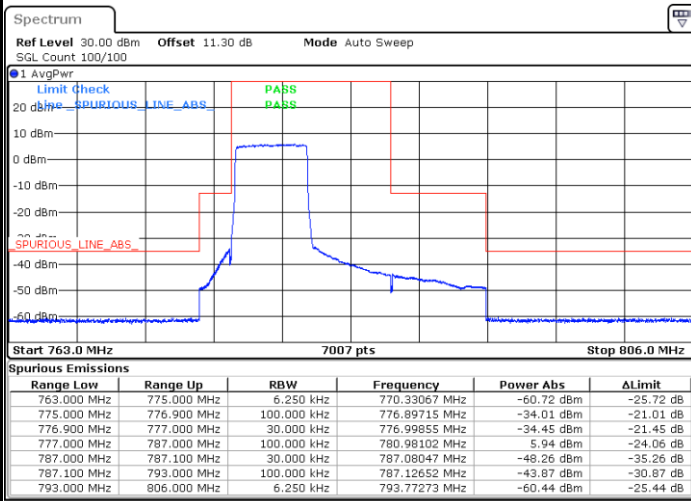


Date: 28 SEP 2020 04:28:20

Date: 28 SEP 2020 04:31:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



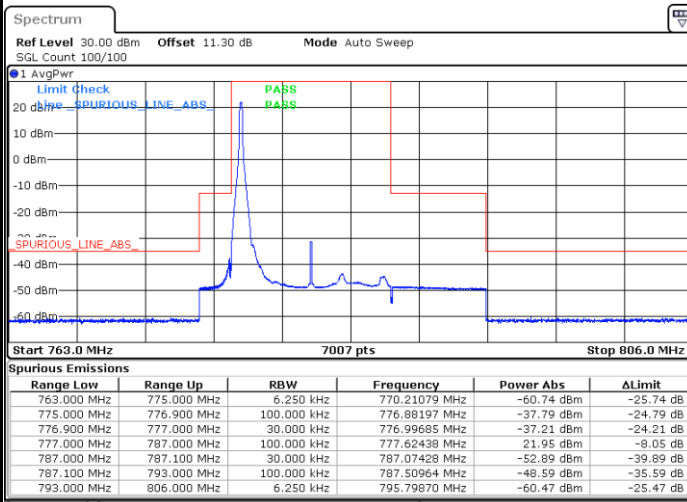
Date: 28 SEP 2020 04:26:40

Date: 28 SEP 2020 04:30:01



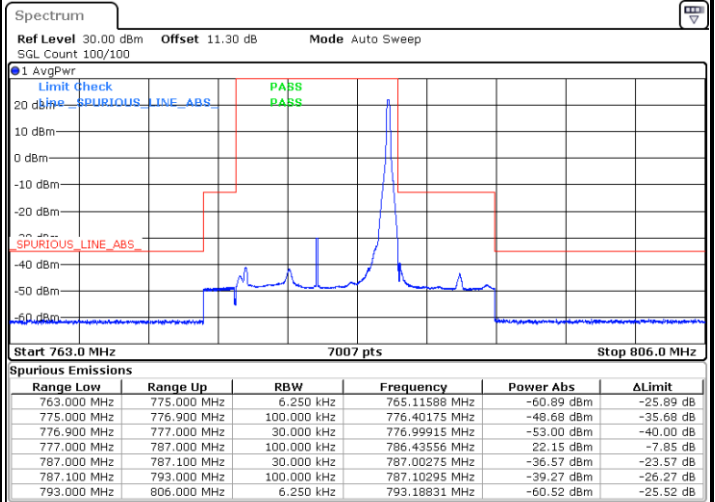
IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



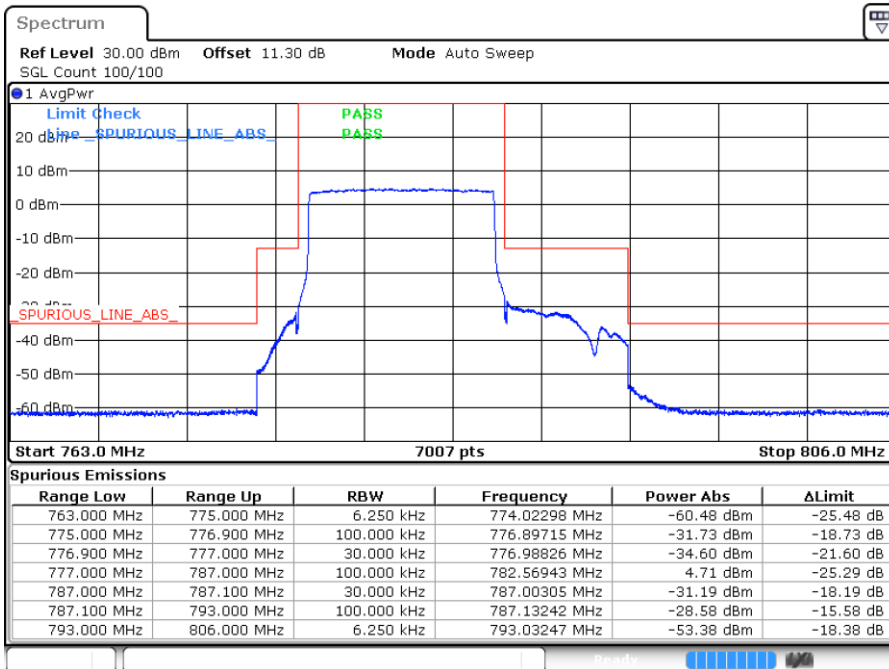
Date: 28.SEP.2020 04:43:24

Highest Band Edge / 1 RB



Date: 28.SEP.2020 04:45:04

Band Edge / Full RB

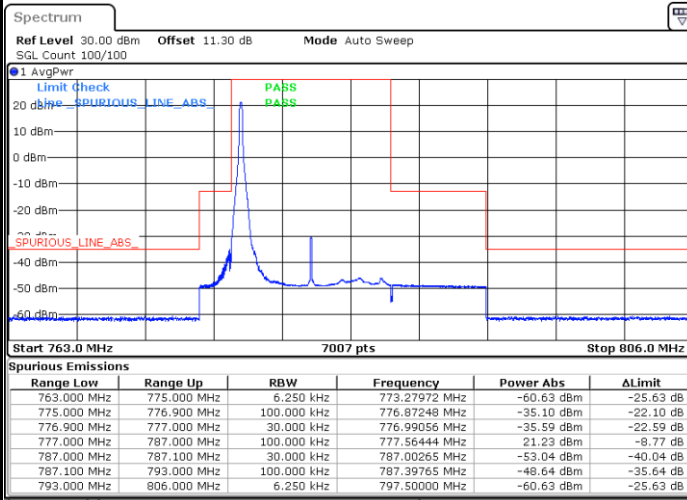


Date: 28.SEP.2020 04:38:24



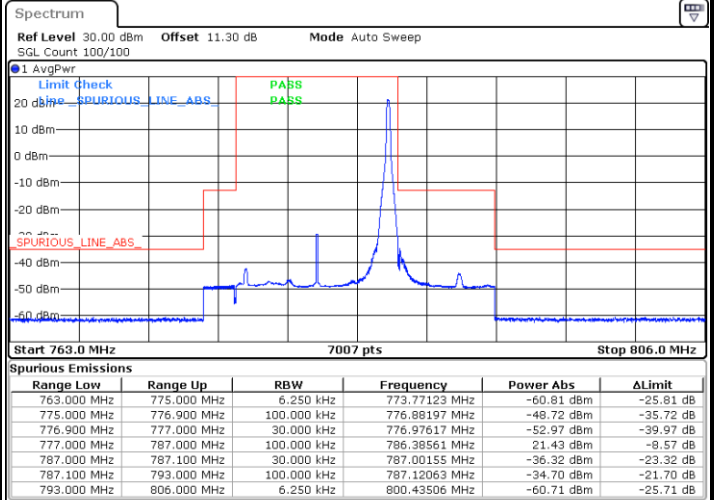
IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



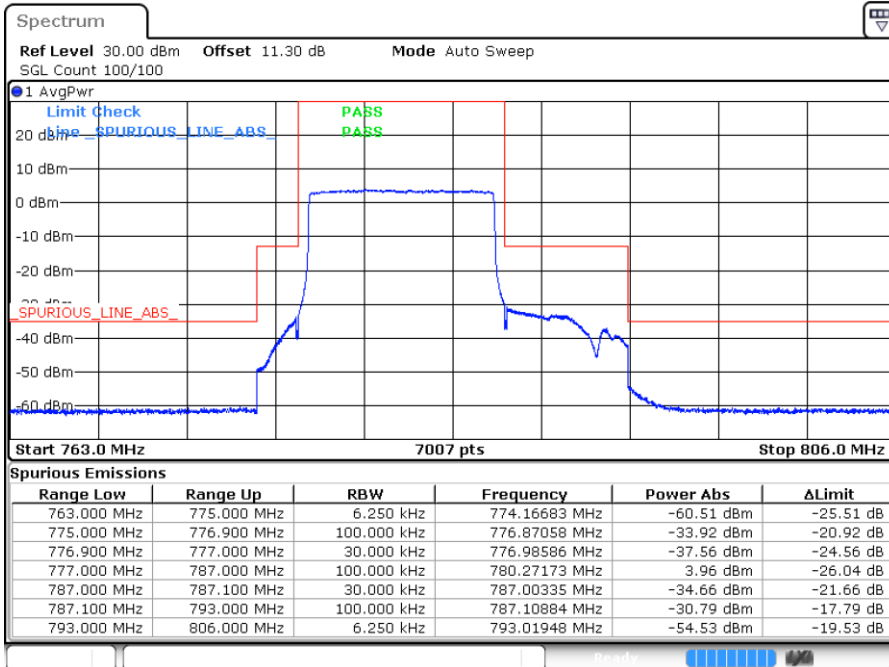
Date: 28 SEP 2020 04:41:44

Highest Band Edge / 1 RB



Date: 28 SEP 2020 04:46:45

Band Edge / Full RB



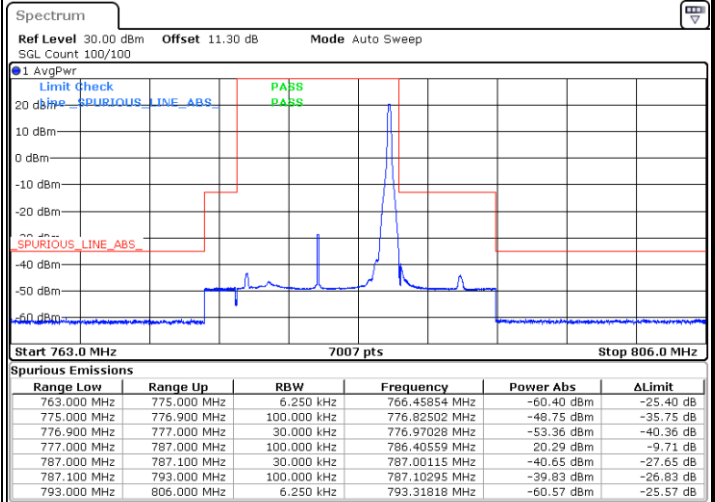
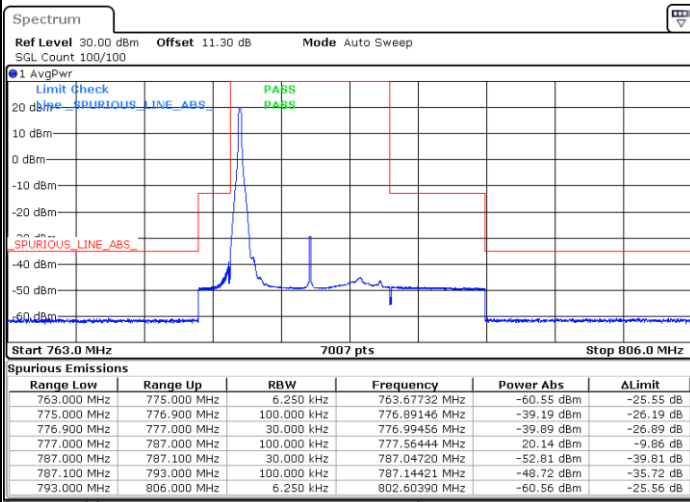
Date: 28 SEP 2020 04:40:04



IC LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

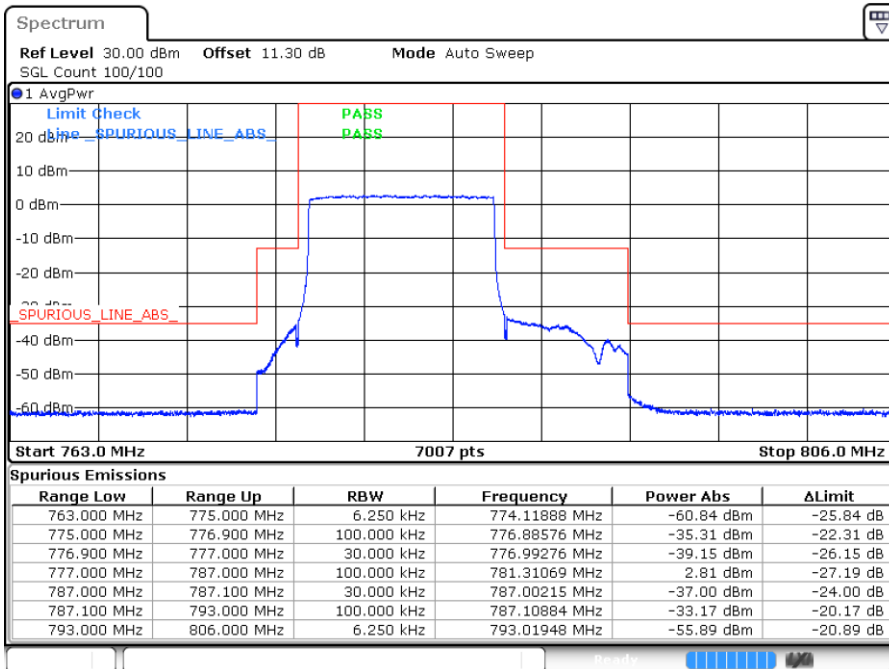
Highest Band Edge / 1 RB



Date: 28 SEP 2020 04:35:03

Date: 28 SEP 2020 04:36:43

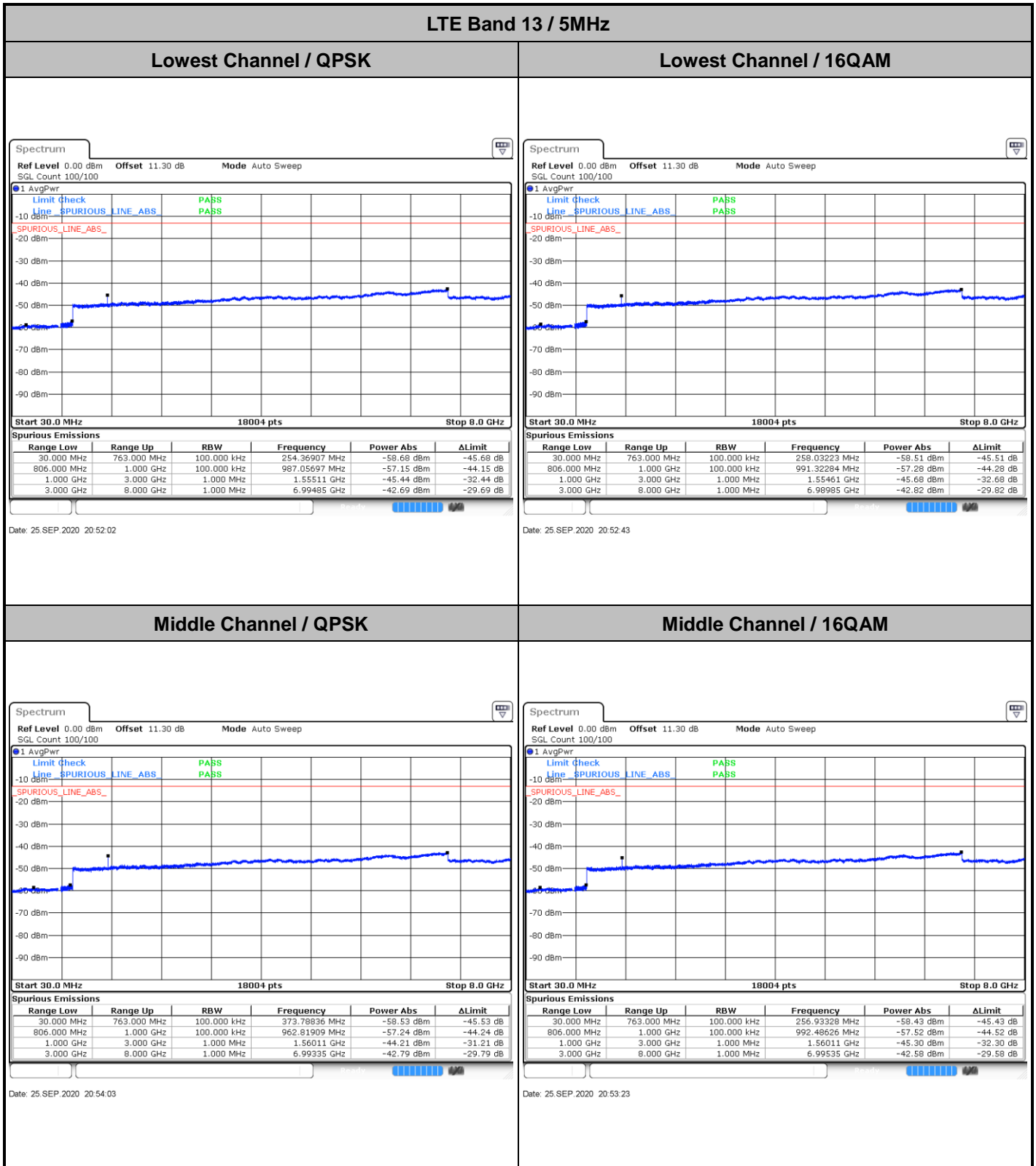
Band Edge / Full RB



Date: 28 SEP 2020 04:33:23



# Conducted Spurious Emission



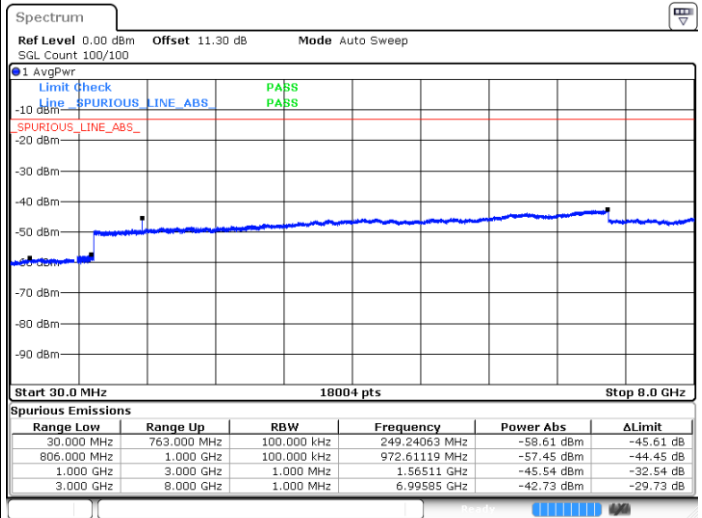
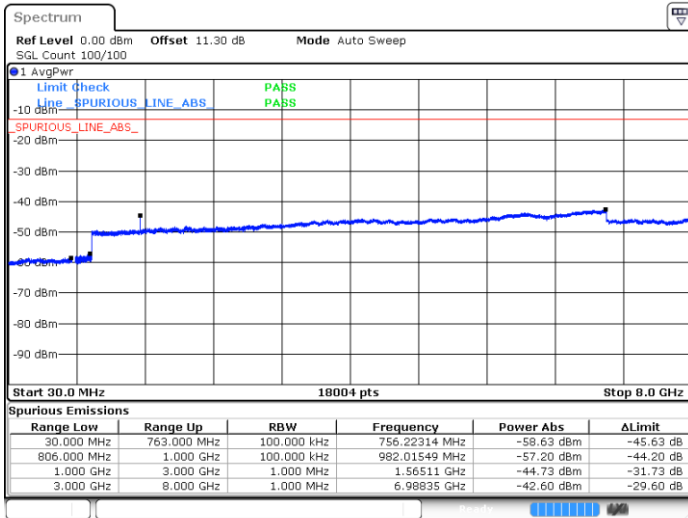




LTE Band 13 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



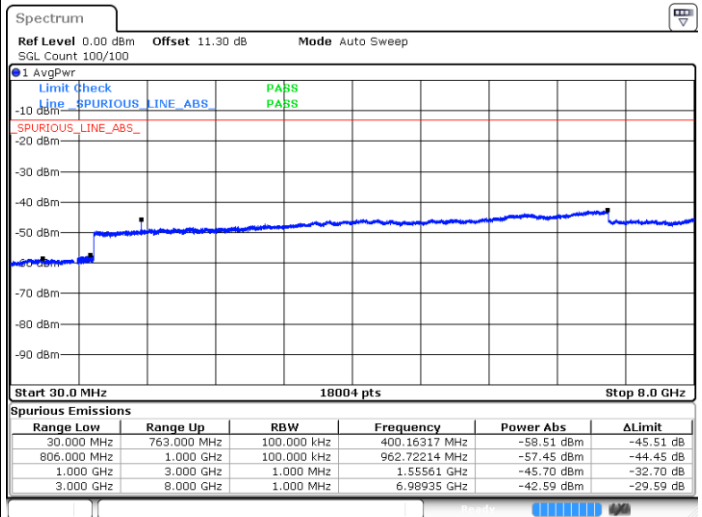
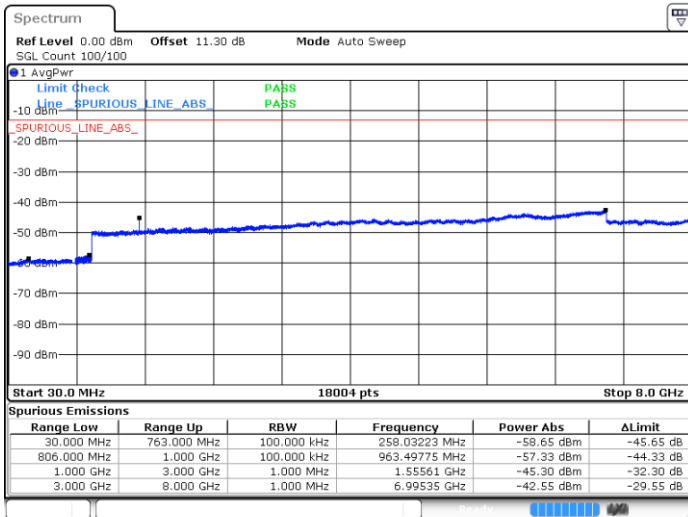
Date: 25 SEP 2020 21:02:59

Date: 25 SEP 2020 21:03:40

LTE Band 13 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 25 SEP 2020 21:25:41

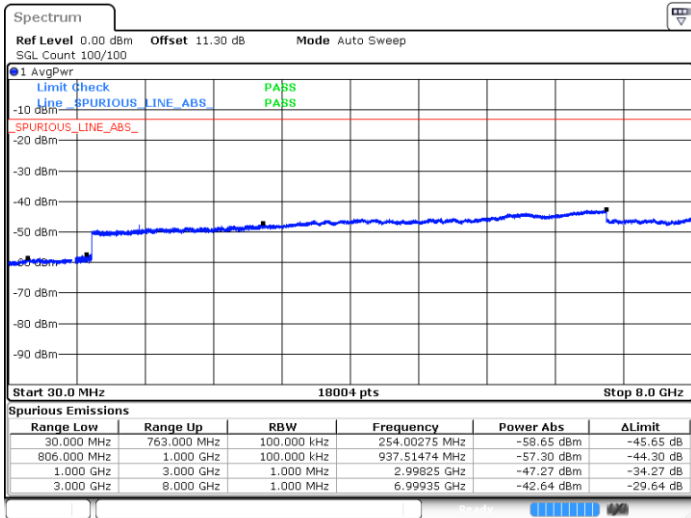
Date: 25 SEP 2020 21:25:01



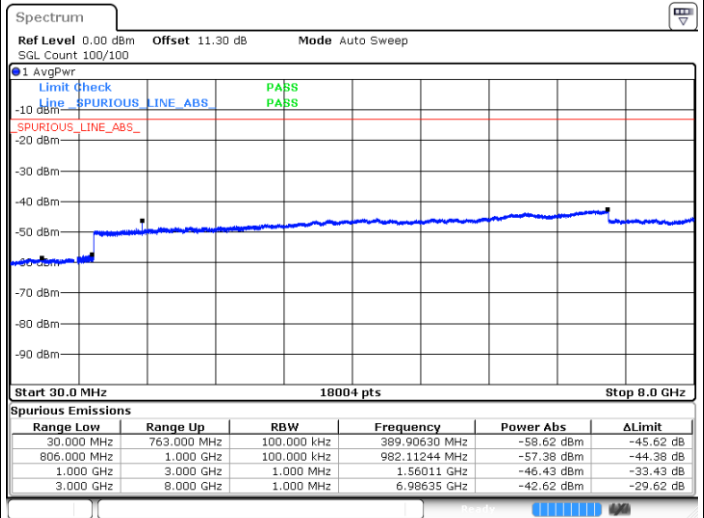
LTE Band 13 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

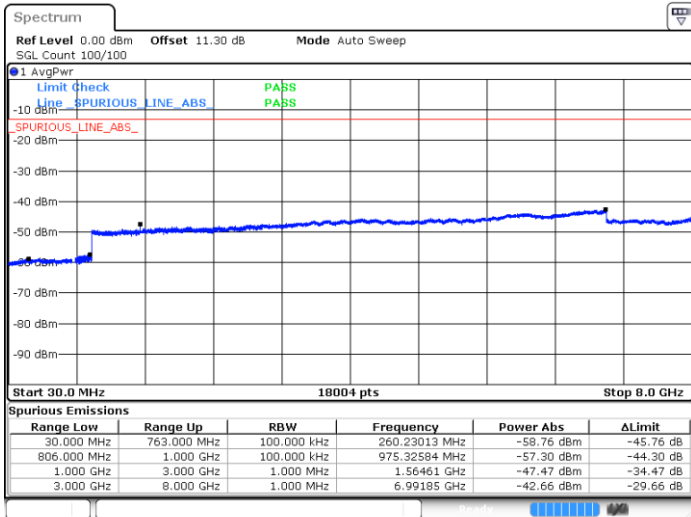


Date: 25 SEP.2020 21:08:06



Date: 25 SEP.2020 21:08:46

Highest Channel / 64QAM

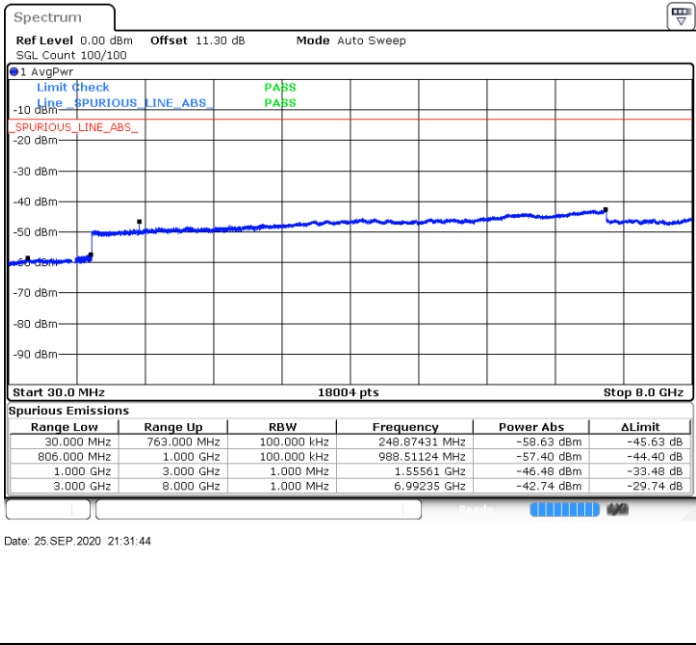


Date: 25 SEP.2020 21:13:34



LTE Band 13 / 10MHz

Middle Channel / 64QAM





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	0.0041	PASS
40	Normal Voltage	0.0079	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0156	
0	Normal Voltage	0.0052	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0090	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0092	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.39 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 17

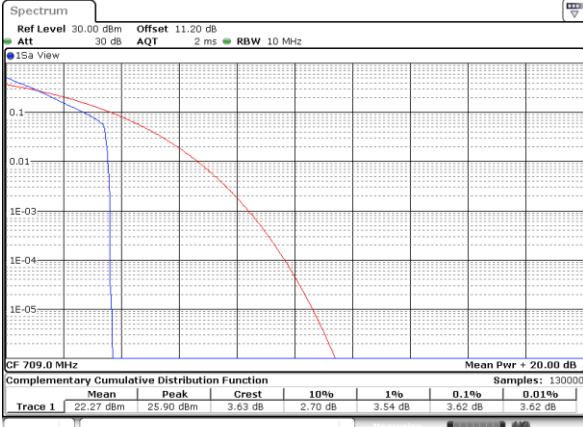
## Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.62	4.64	4.67	5.51	PASS
Middle CH	3.57	4.67	4.61	6.00	
Highest CH	3.57	4.67	4.20	5.91	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.59	6.23	-	-	PASS
Middle CH	5.71	6.35	-	-	
Highest CH	5.33	6.41	-	-	



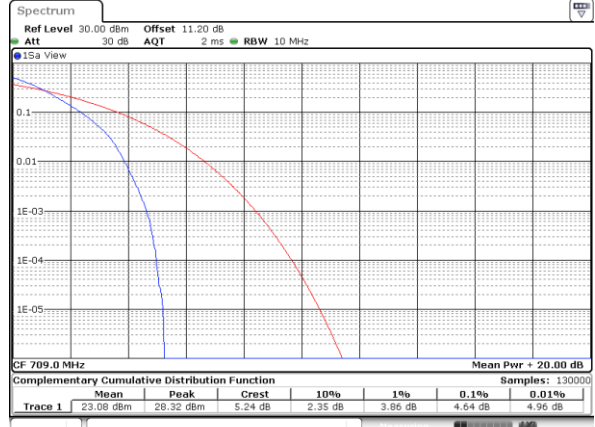
LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



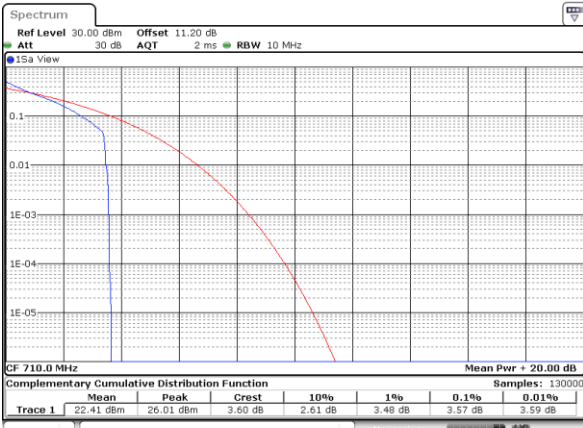
Date: 25 SEP 2020 22:29:09

Lowest Channel / Full RB



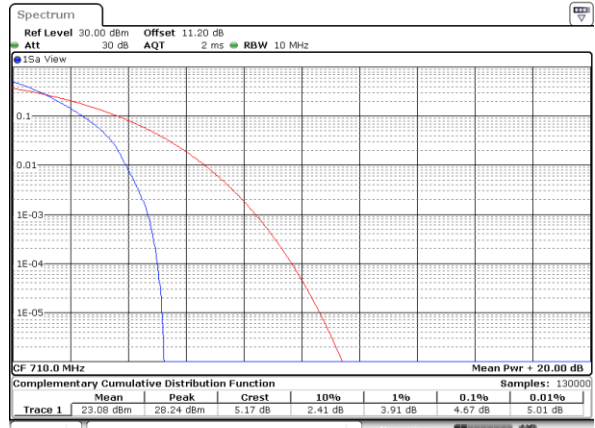
Date: 25 SEP 2020 22:29:19

Middle Channel / 1RB



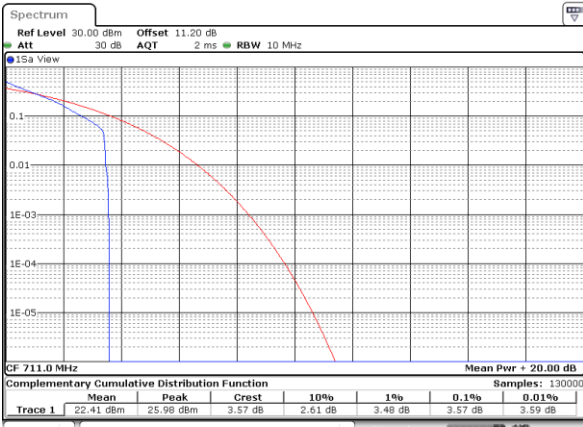
Date: 25 SEP 2020 22:29:29

Middle Channel / Full RB



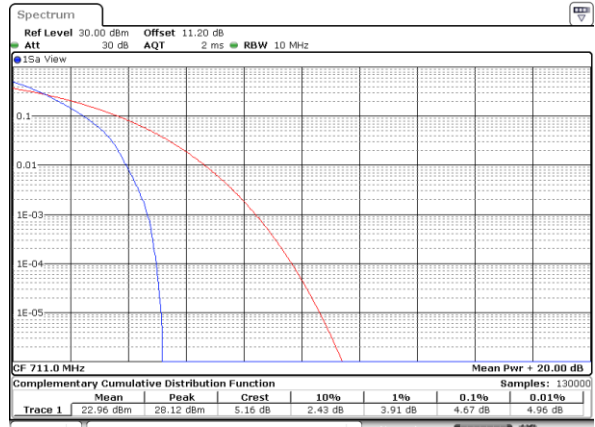
Date: 25 SEP 2020 22:29:38

Highest Channel / 1RB



Date: 25 SEP 2020 22:29:48

Highest Channel / Full RB

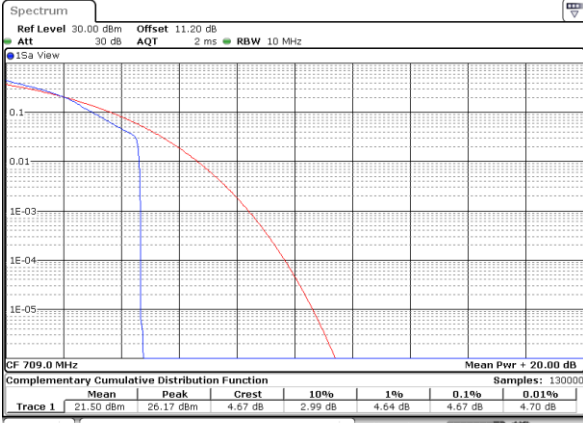


Date: 25 SEP 2020 22:29:58



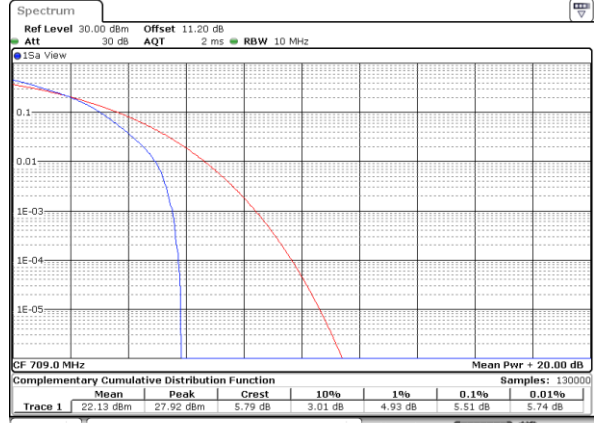
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



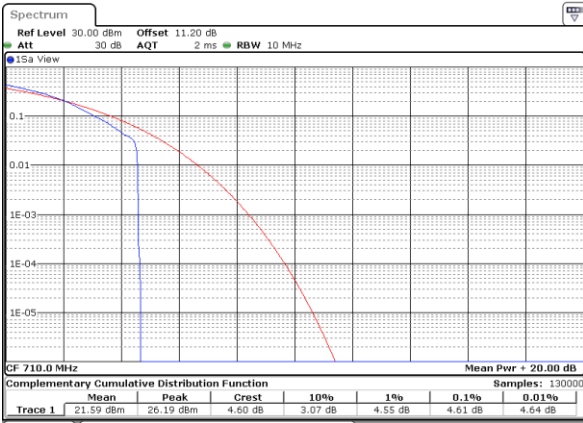
Date: 25 SEP 2020 22:28:10

Lowest Channel / Full RB



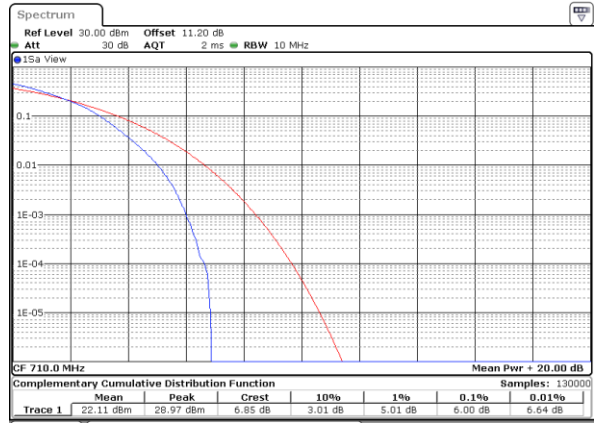
Date: 25 SEP 2020 22:28:20

Middle Channel / 1RB



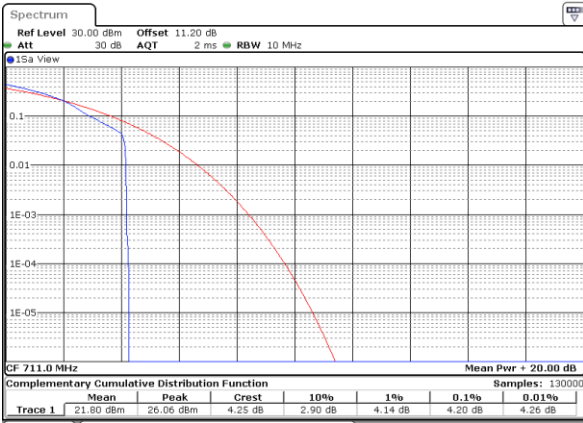
Date: 25 SEP 2020 22:28:30

Middle Channel / Full RB



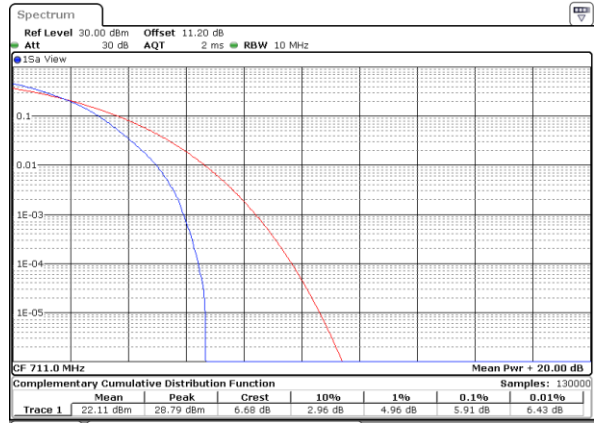
Date: 25 SEP 2020 22:28:39

Highest Channel / 1RB



Date: 25 SEP 2020 22:28:49

Highest Channel / Full RB

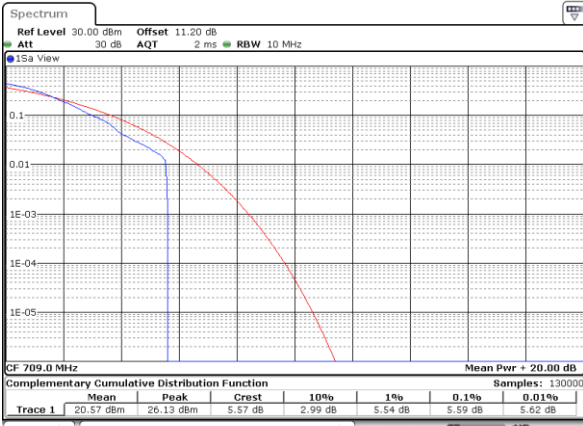


Date: 25 SEP 2020 22:28:59



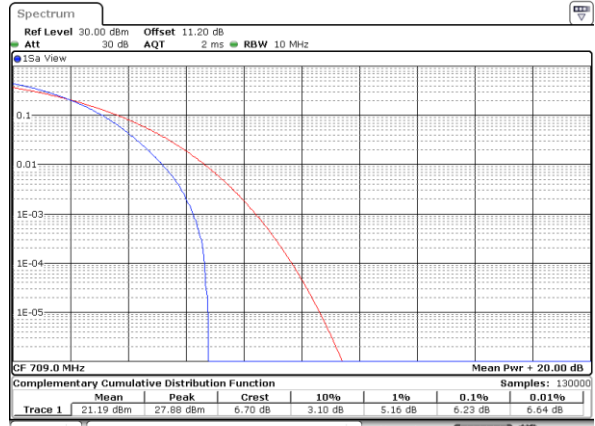
LTE Band 17 / 10MHz / 64QAM

Lowest Channel / 1RB



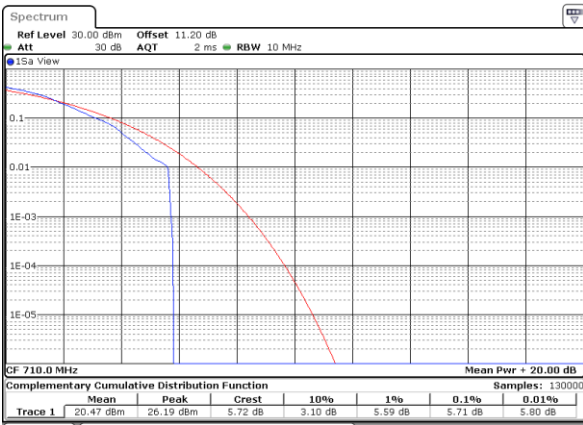
Date: 25 SEP 2020 22:30:08

Lowest Channel / Full RB



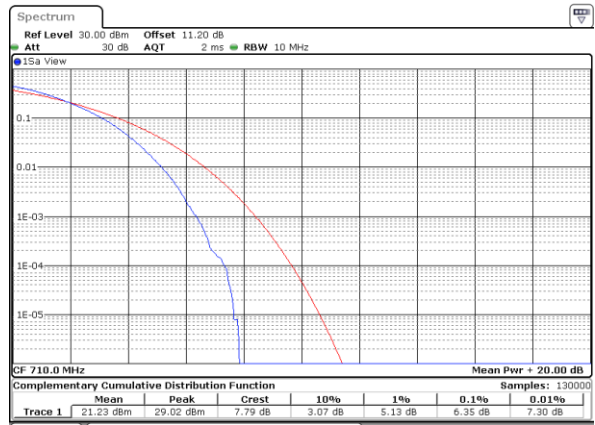
Date: 25 SEP 2020 22:30:18

Middle Channel / 1RB



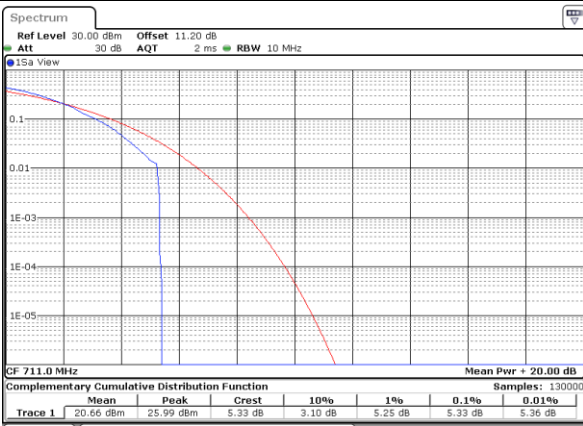
Date: 25 SEP 2020 22:30:28

Middle Channel / Full RB



Date: 25 SEP 2020 22:30:37

Highest Channel / 1RB



Date: 25 SEP 2020 22:30:47

Highest Channel / Full RB



Date: 25 SEP 2020 22:30:57





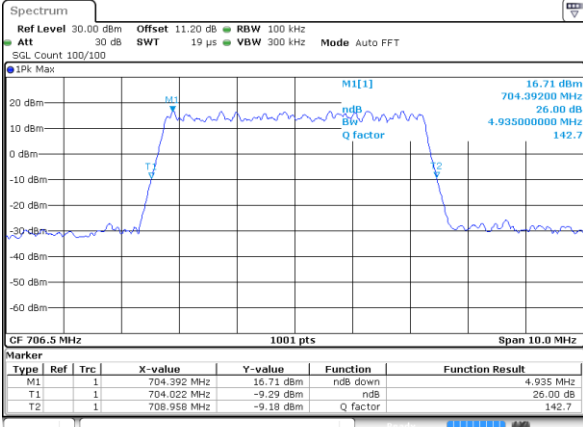
**26dB Bandwidth**

Mode	LTE Band 17 : 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	-	-	-	-	4.94	4.84	9.83	9.73	-	-	-	-
Middle CH	-	-	-	-	4.94	4.91	9.65	9.73	-	-	-	-
Highest CH	-	-	-	-	4.92	4.81	9.81	9.71	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.93	-	9.71	-	-	-	-	-
Middle CH	-	-	-	-	4.87	-	9.77	-	-	-	-	-
Highest CH	-	-	-	-	4.92	-	9.73	-	-	-	-	-



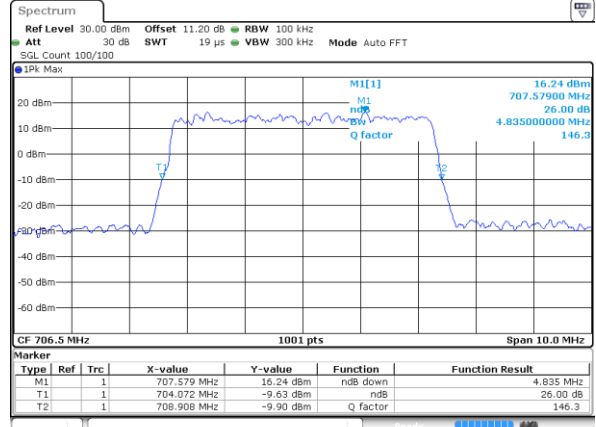
LTE Band 17

Lowest Channel / 5MHz / QPSK



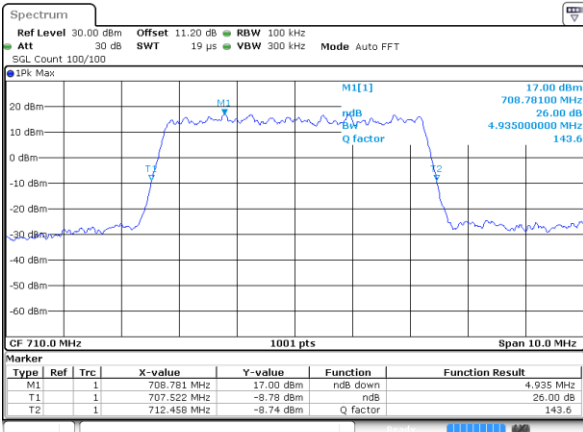
Date: 25 SEP 2020 21:51:52

Lowest Channel / 5MHz / 16QAM



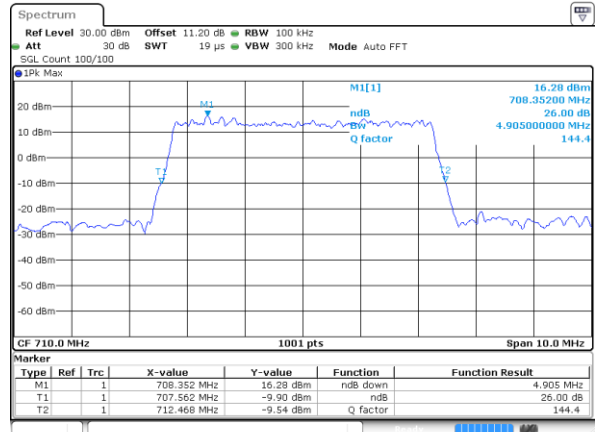
Date: 25 SEP 2020 21:52:04

Middle Channel / 5MHz / QPSK



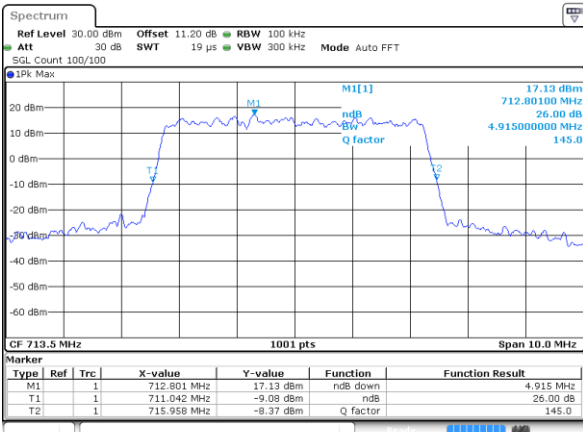
Date: 25 SEP 2020 21:56:59

Middle Channel / 5MHz / 16QAM



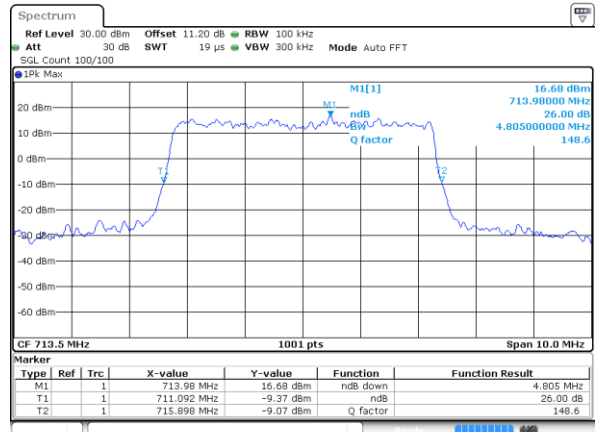
Date: 25 SEP 2020 21:57:10

Highest Channel / 5MHz / QPSK



Date: 25 SEP 2020 21:59:06

Highest Channel / 5MHz / 16QAM

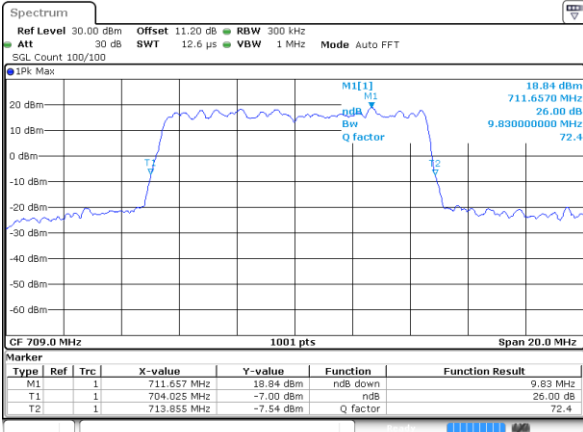


Date: 25 SEP 2020 21:59:18



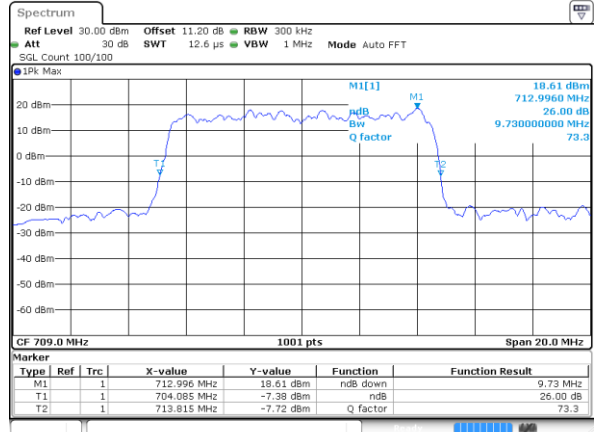
LTE Band 17

Lowest Channel / 10MHz / QPSK



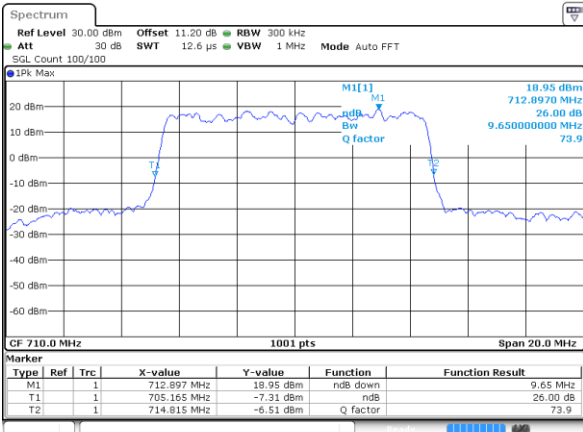
Date: 25 SEP 2020 22:03:59

Lowest Channel / 10MHz / 16QAM



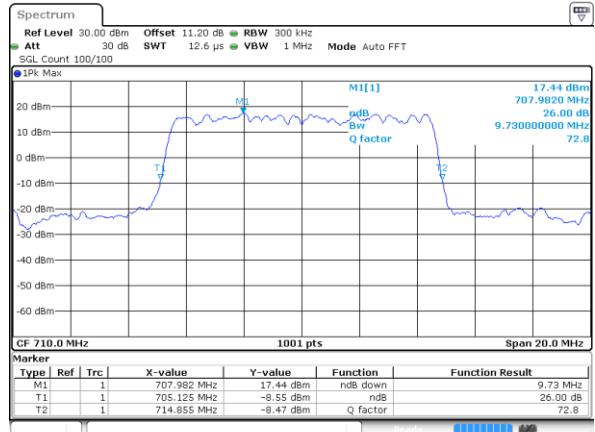
Date: 25 SEP 2020 22:04:11

Middle Channel / 10MHz / QPSK



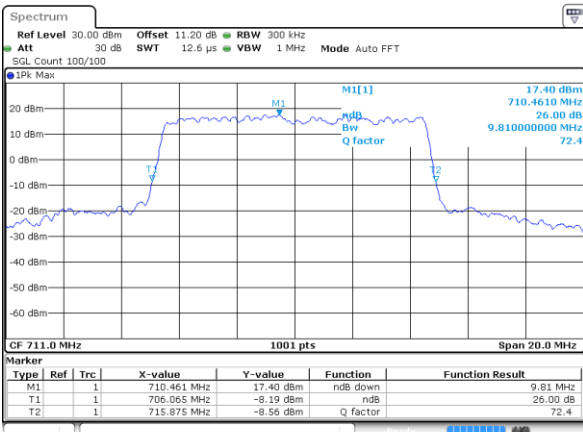
Date: 25 SEP 2020 22:09:08

Middle Channel / 10MHz / 16QAM



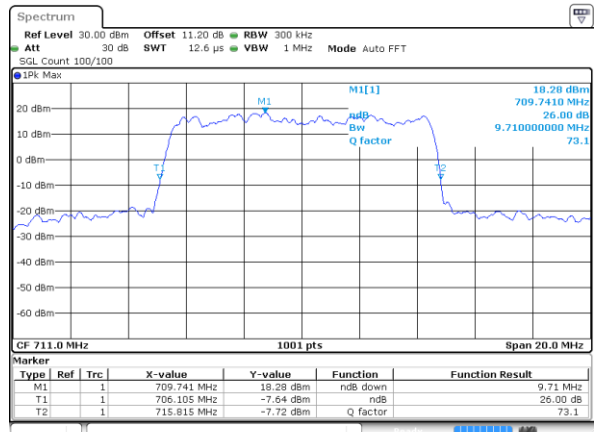
Date: 25 SEP 2020 22:09:17

Highest Channel / 10MHz / QPSK



Date: 25 SEP 2020 22:11:13

Highest Channel / 10MHz / 16QAM

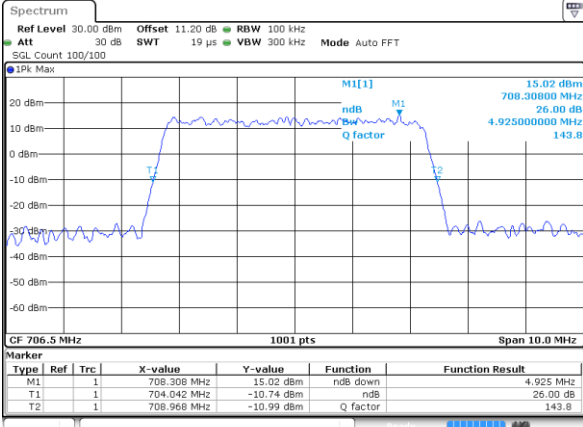


Date: 25 SEP 2020 22:11:25



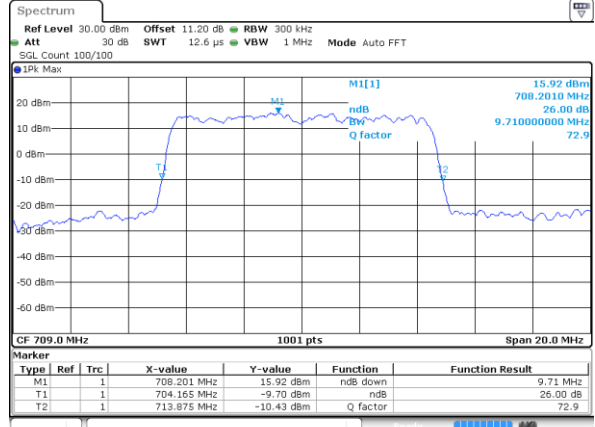
LTE Band 17

Lowest Channel / 5MHz / 64QAM



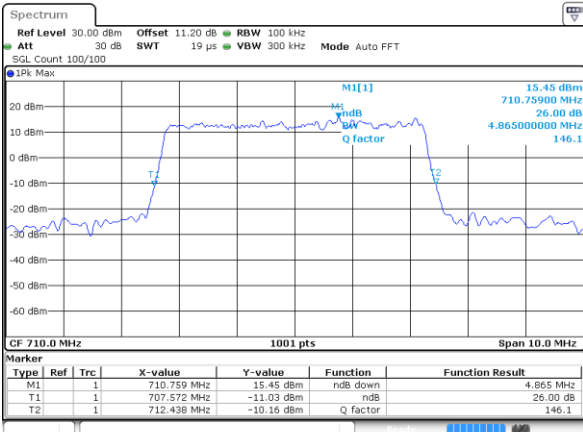
Date: 25 SEP 2020 22:15:54

Lowest Channel / 10MHz / 64QAM



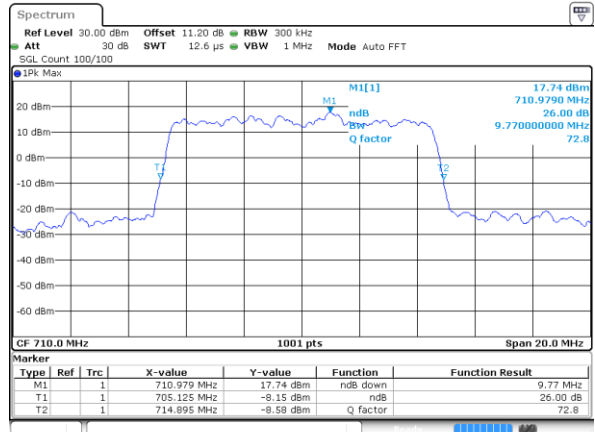
Date: 25 SEP 2020 22:21:57

Middle Channel / 5MHz / 64QAM



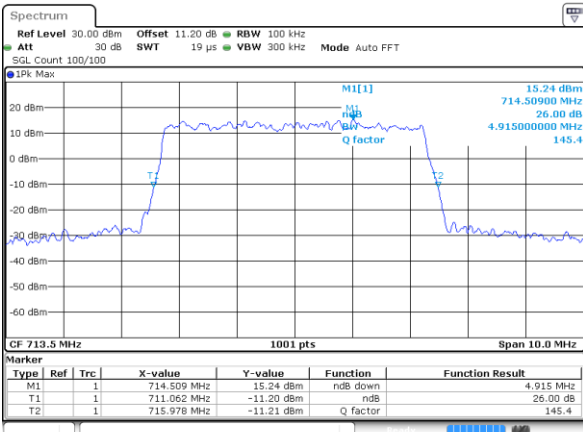
Date: 25 SEP 2020 22:18:27

Middle Channel / 10MHz / 64QAM



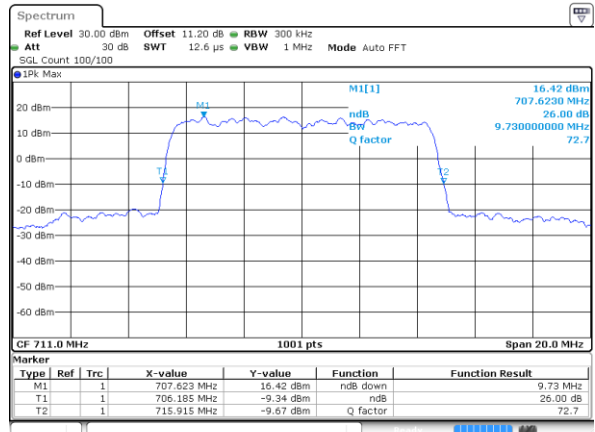
Date: 25 SEP 2020 22:24:30

Highest Channel / 5MHz / 64QAM



Date: 25 SEP 2020 22:19:31

Highest Channel / 10MHz / 64QAM



Date: 25 SEP 2020 22:25:34



**Occupied Bandwidth**

Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.50	4.48	9.03	8.95	-	-	-	-
Middle CH	-	-	-	-	4.51	4.50	9.07	8.99	-	-	-	-
Highest CH	-	-	-	-	4.48	4.51	9.07	9.05	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.51	-	8.99	-	-	-	-	-
Middle CH	-	-	-	-	4.50	-	9.03	-	-	-	-	-
Highest CH	-	-	-	-	4.52	-	9.03	-	-	-	-	-