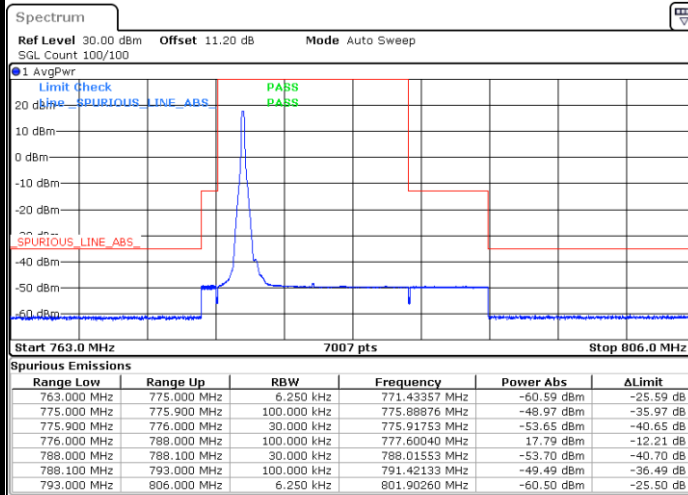




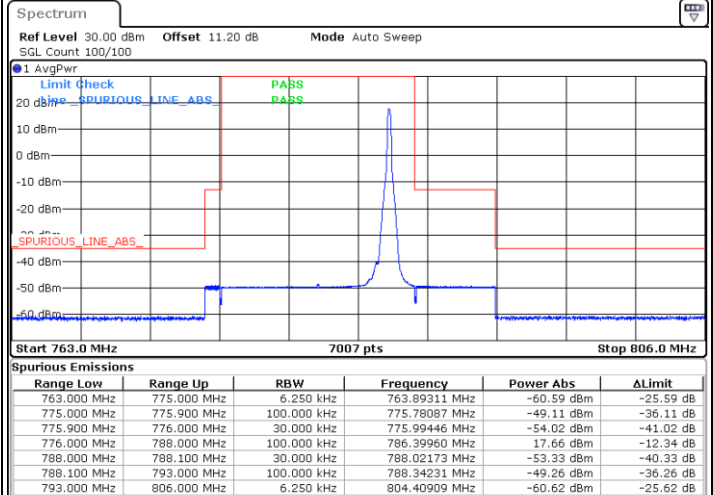
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



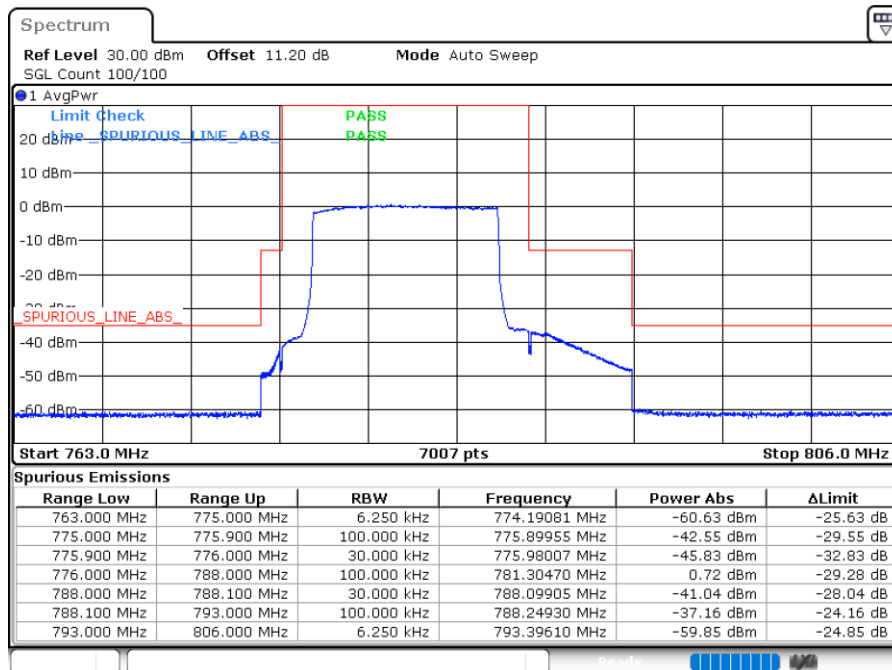
Date: 7.JUN.2020 13:23:00

Highest Band Edge / 1 RB



Date: 7.JUN.2020 13:24:40

Band Edge / Full RB

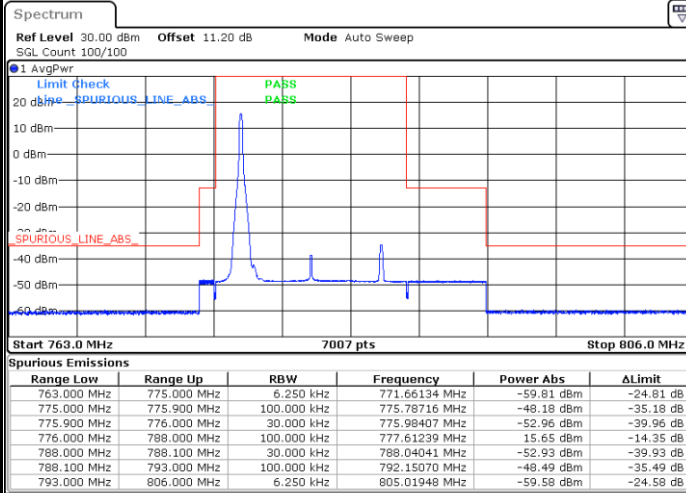


Date: 7 JUN 2020 13:21:21



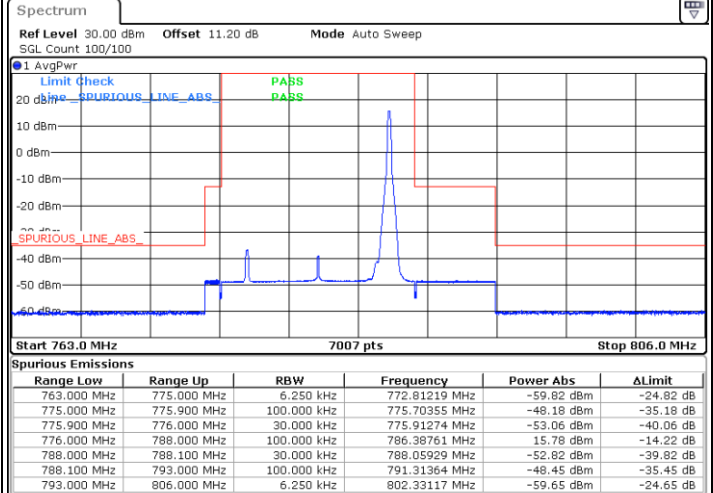
LTE Band 13 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



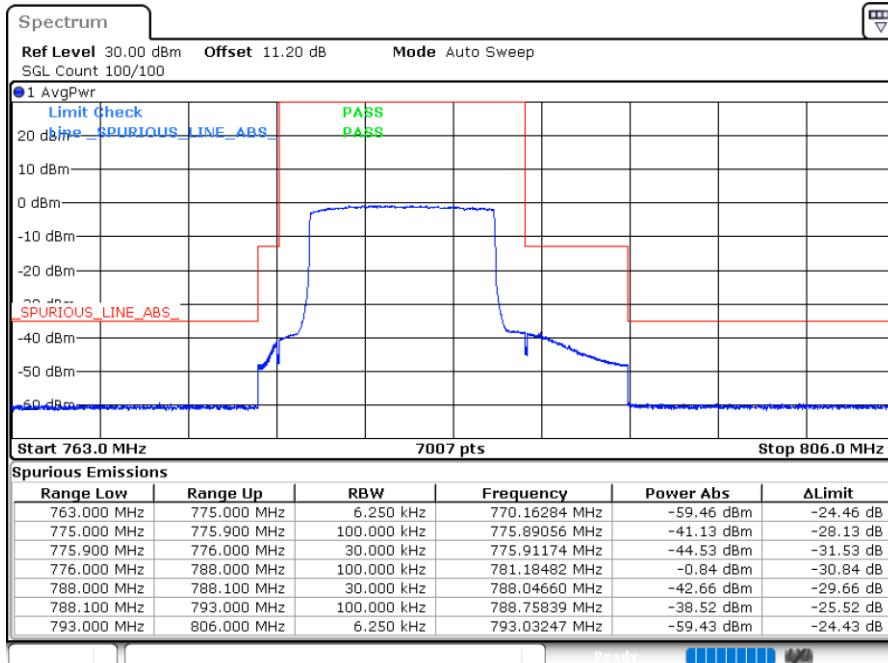
Date: 16.JUL.2020 11:56:29

Highest Band Edge / 1 RB



Date: 16.JUL.2020 12:00:43

Band Edge / Full RB

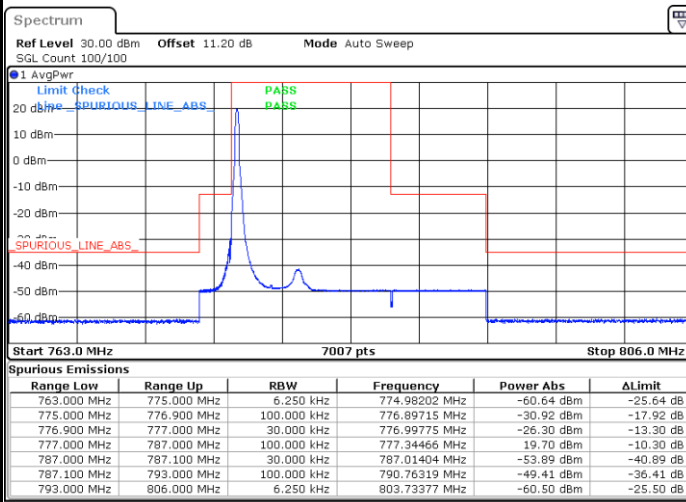


Date: 16.JUL.2020 11:54:05



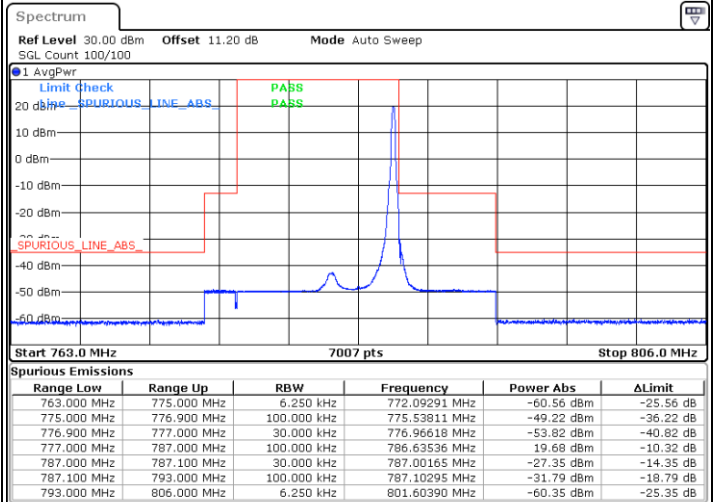
IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



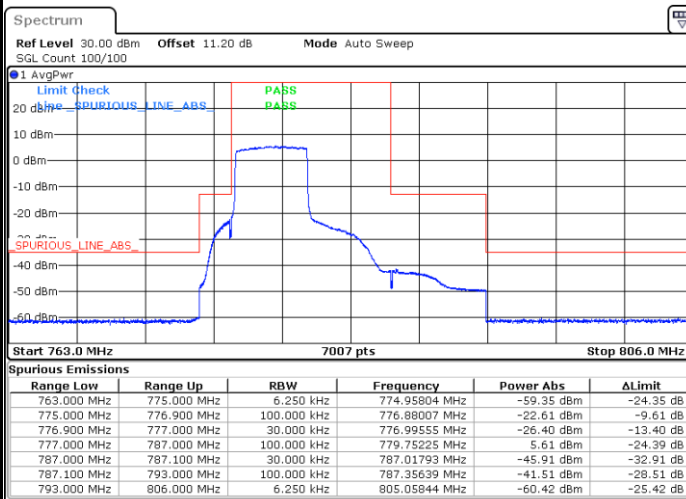
Date: 7 JUN 2020 13:35:08

Highest Band Edge / 1 RB



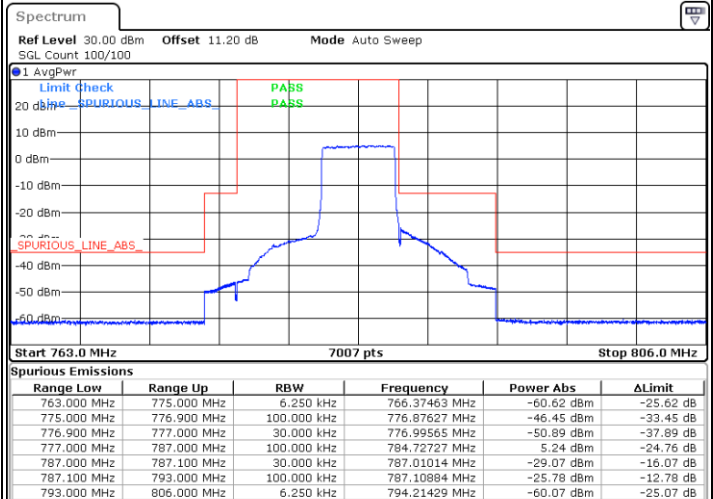
Date: 7 JUN 2020 13:41:49

Lowest Band Edge / Full RB



Date: 7 JUN 2020 13:30:08

Highest Band Edge / Full RB

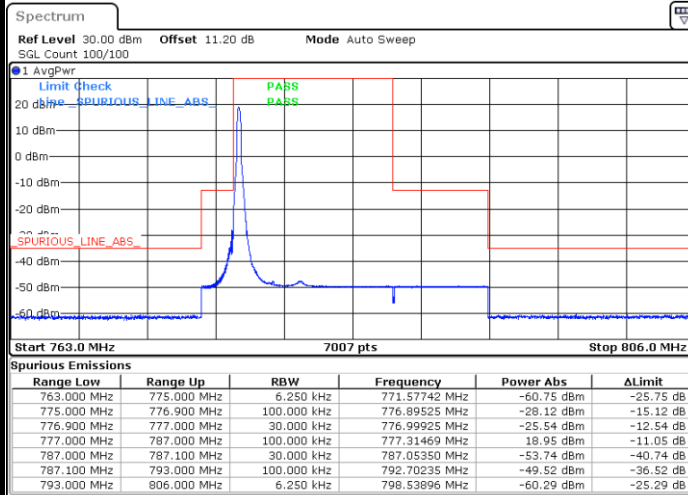


Date: 7 JUN 2020 13:36:49

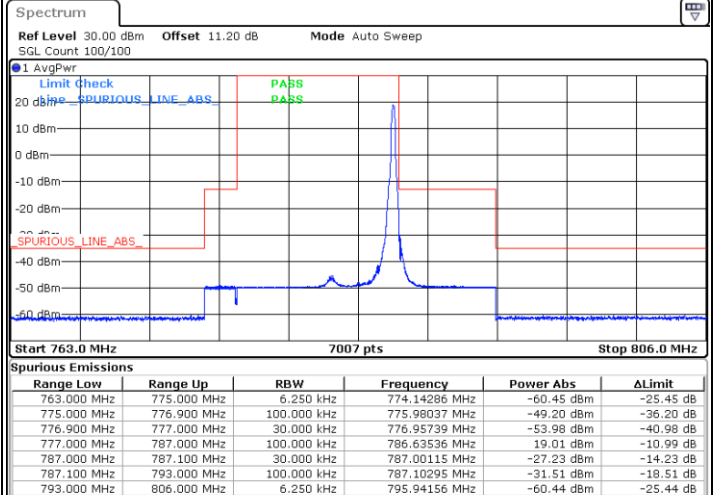


IC LTE Band 13 / 5MHz / 16QAM

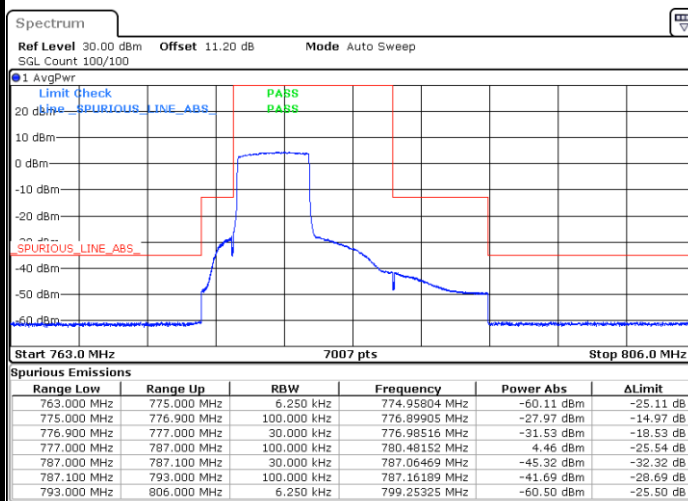
Lowest Band Edge / 1 RB



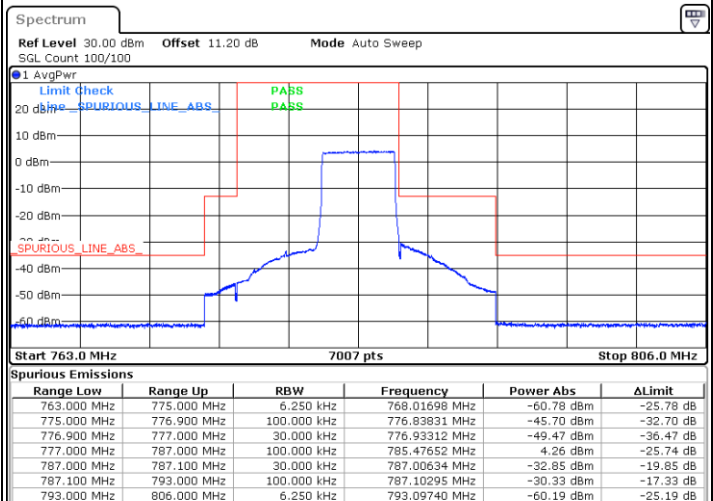
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



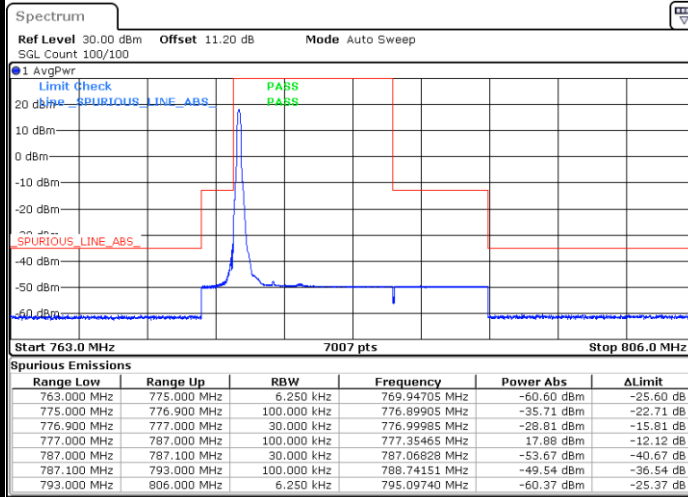
Highest Band Edge / Full RB



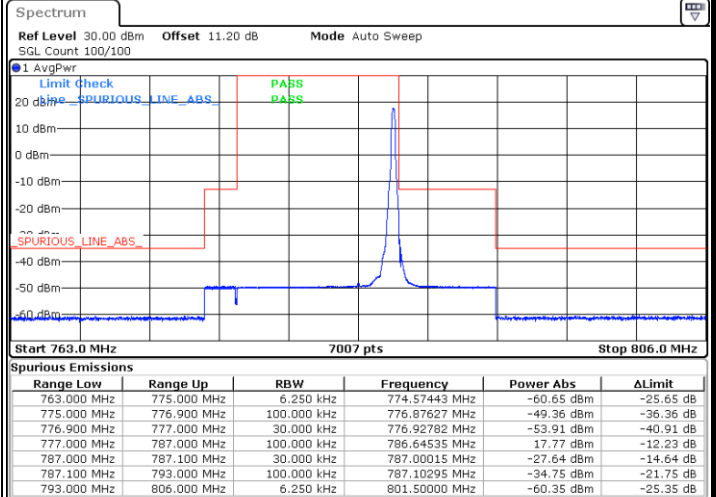


IC LTE Band 13 / 5MHz / 64QAM

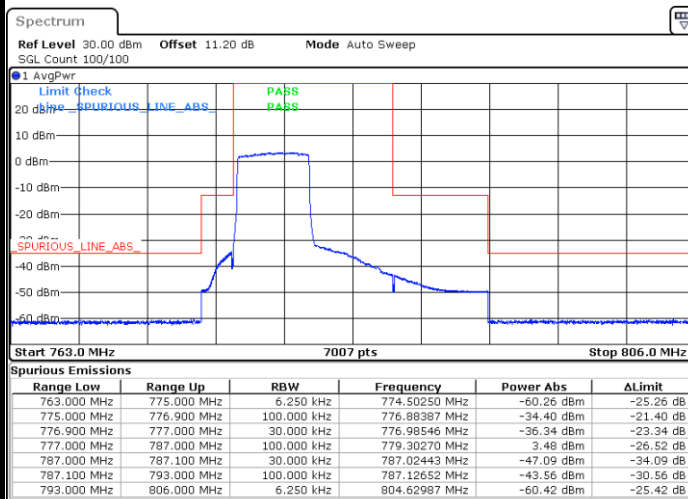
Lowest Band Edge / 1 RB



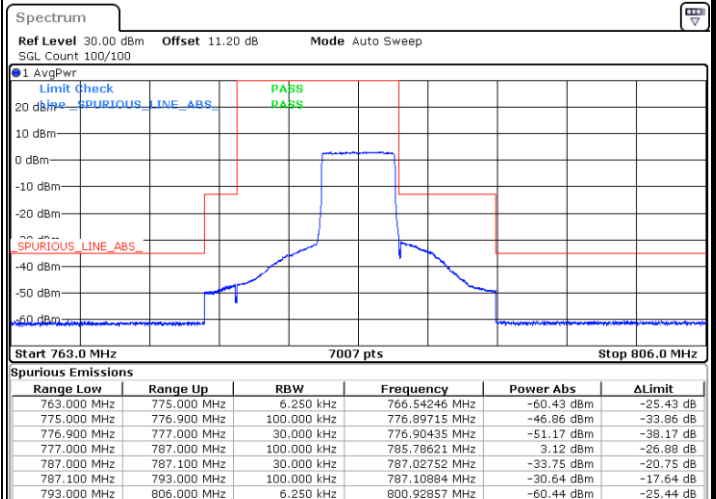
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



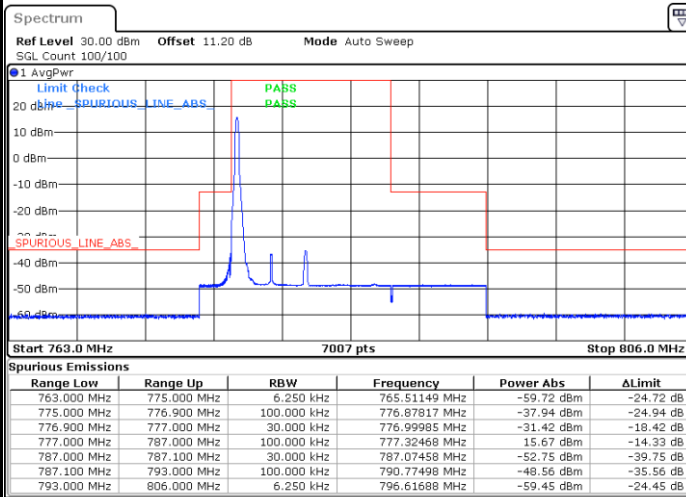
Highest Band Edge / Full RB





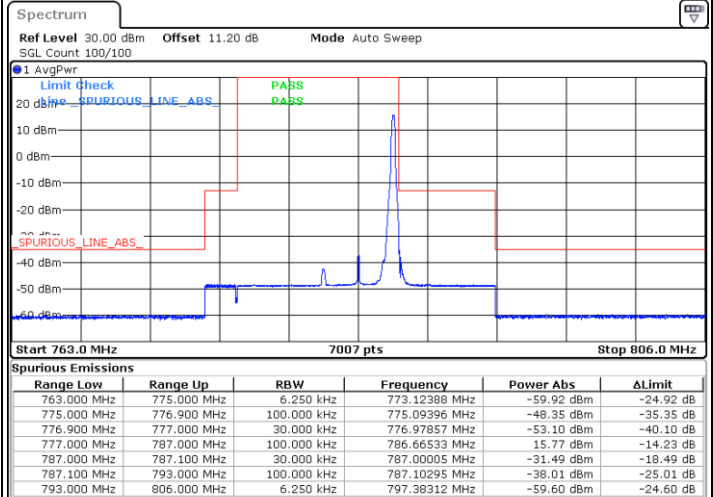
IC LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



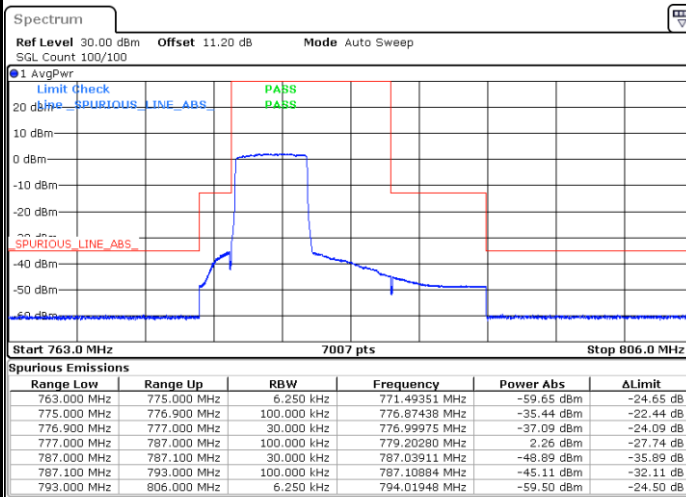
Date: 16.JUL.2020 11:38:35

Highest Band Edge / 1 RB



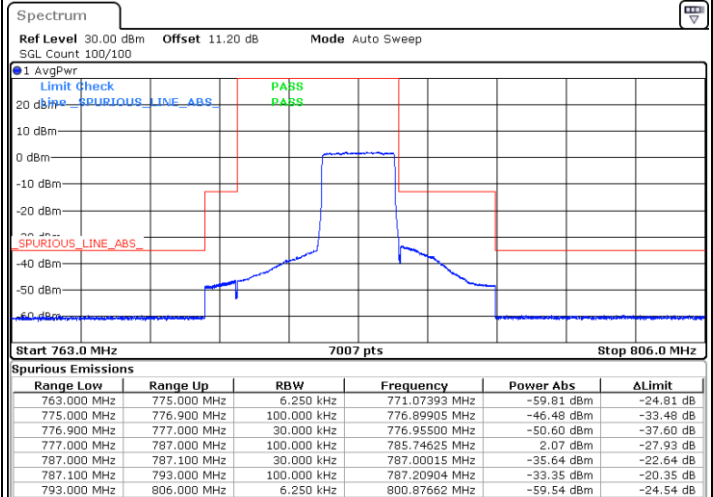
Date: 16.JUL.2020 11:49:03

Lowest Band Edge / Full RB



Date: 16.JUL.2020 11:39:48

Highest Band Edge / Full RB

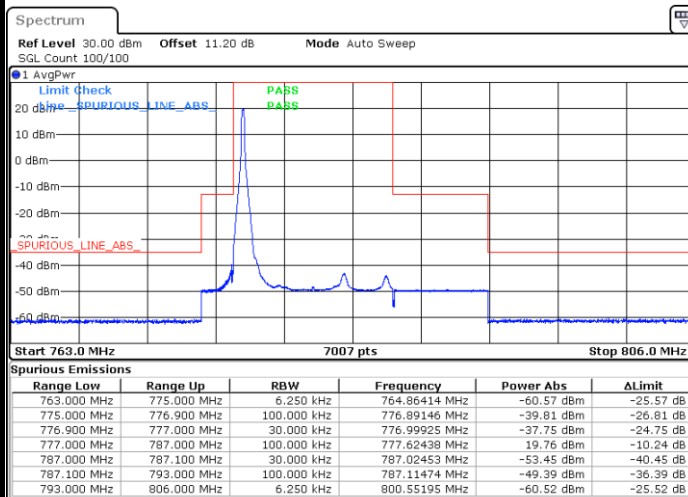


Date: 16.JUL.2020 11:47:48



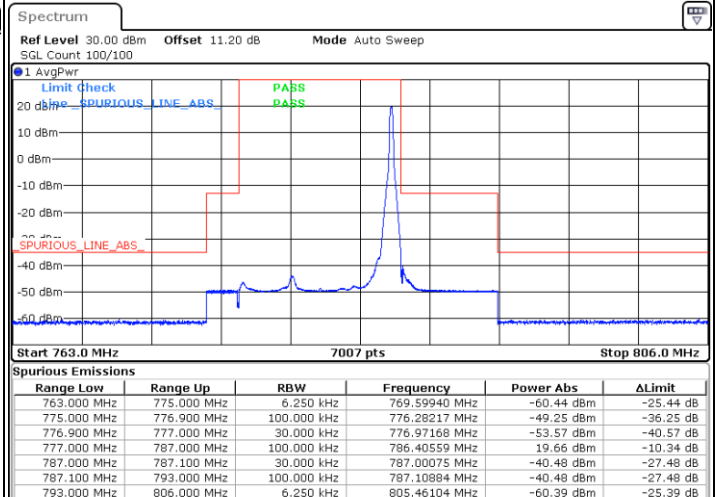
IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



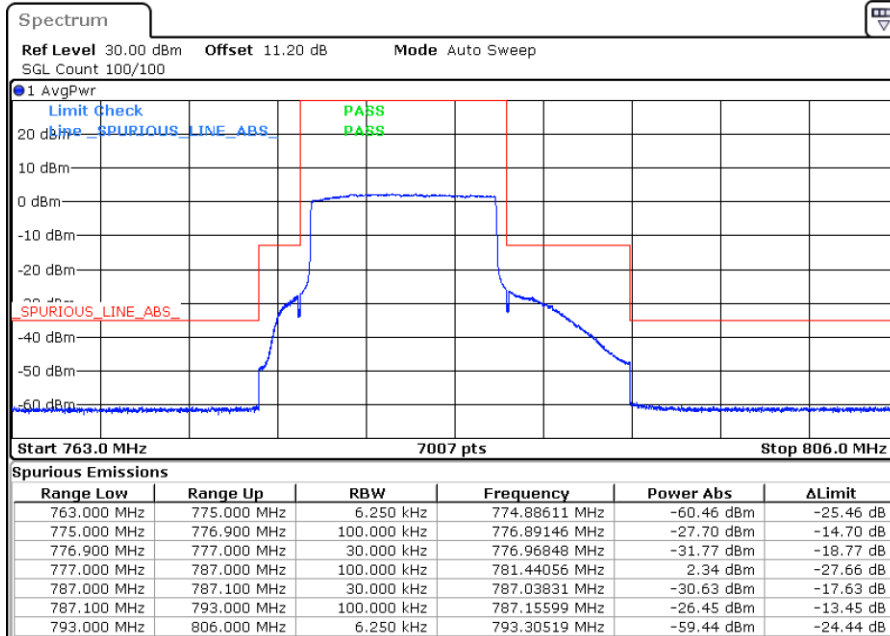
Date: 7 JUN 2020 14:00:06

Highest Band Edge / 1 RB



Date: 7 JUN 2020 14:01:45

Band Edge / Full RB

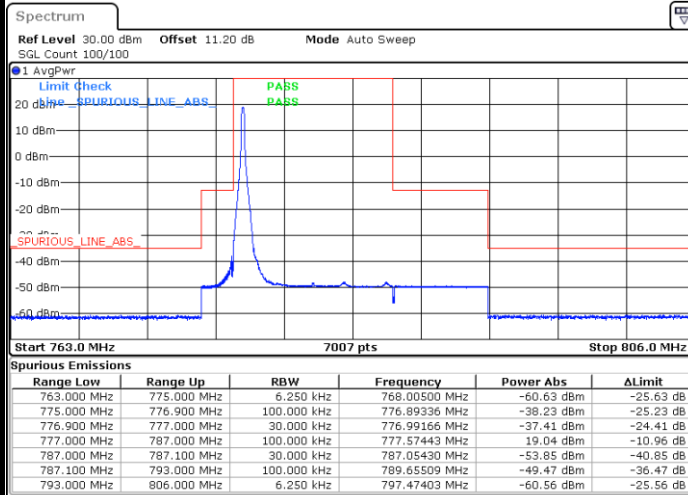


Date: 7 JUN 2020 13:55:08

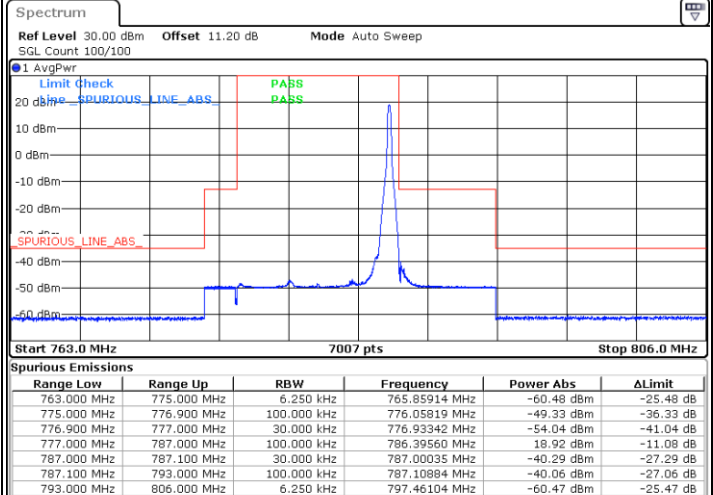


IC LTE Band 13 / 10MHz / 16QAM

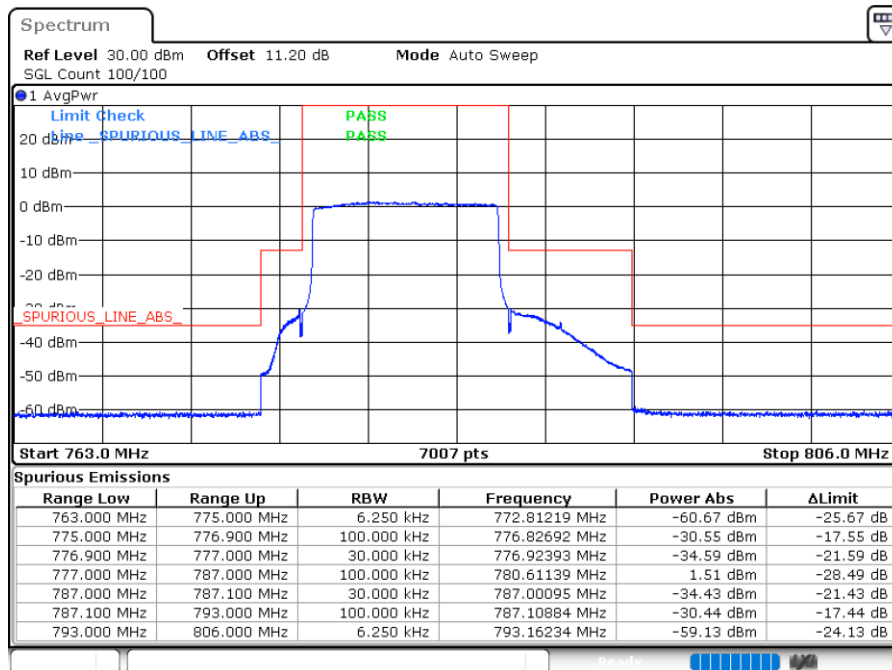
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



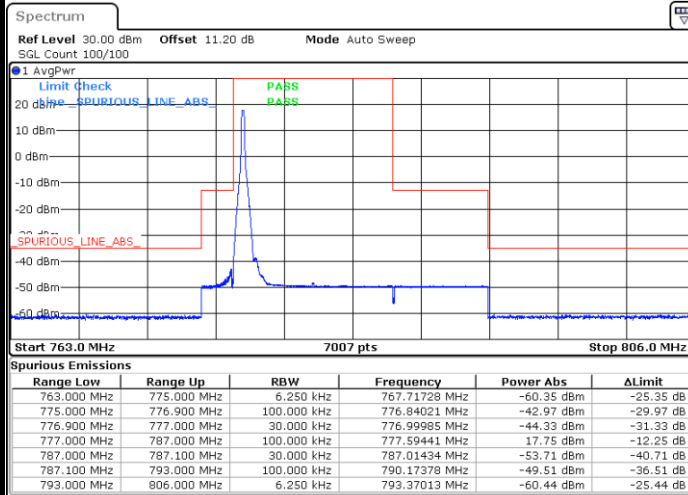
Band Edge / Full RB



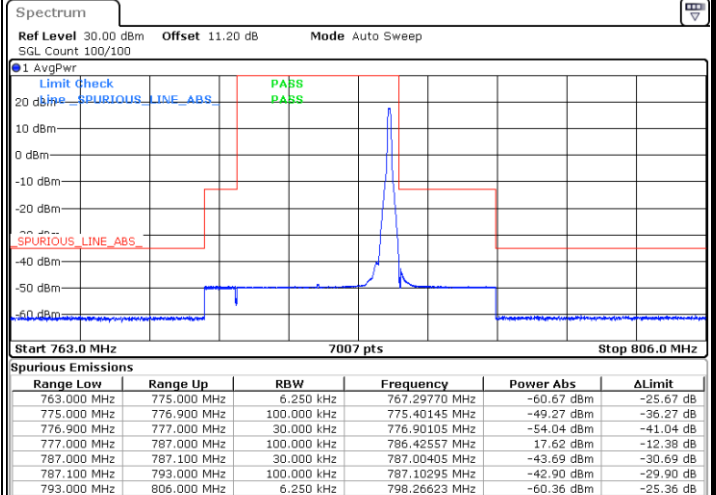


IC LTE Band 13 / 10MHz / 64QAM

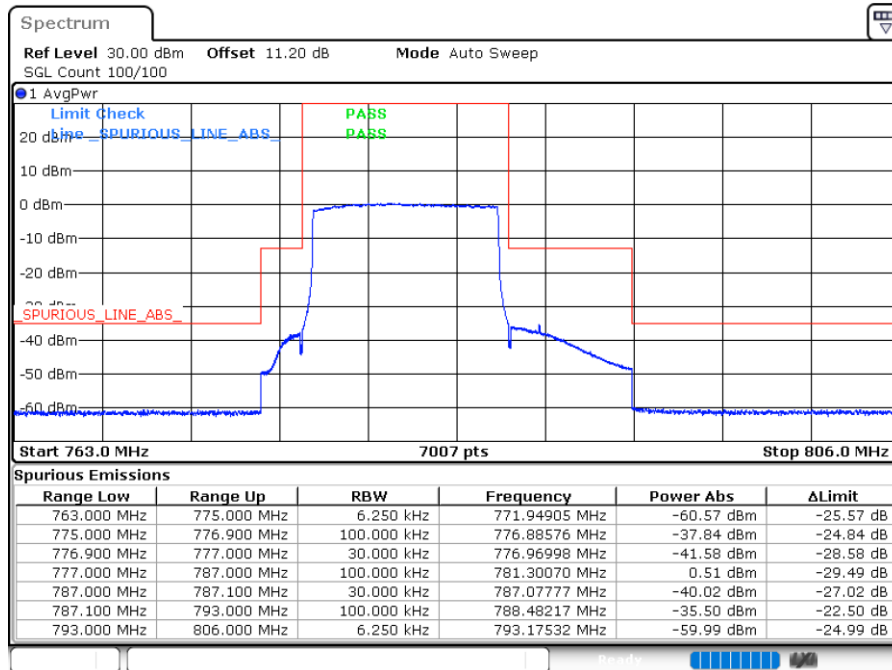
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



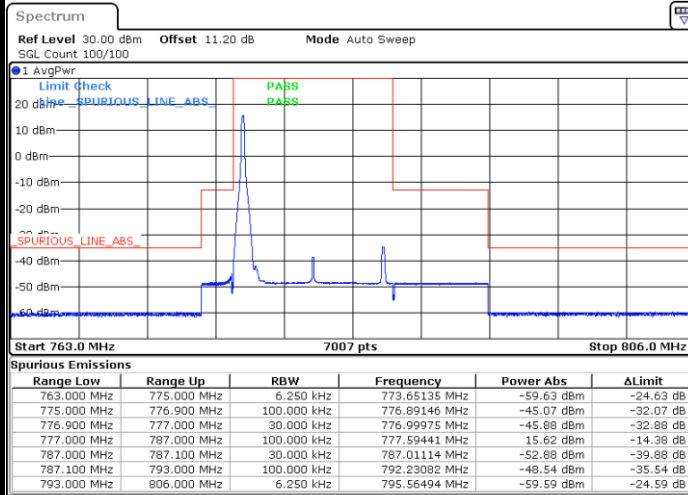
Band Edge / Full RB





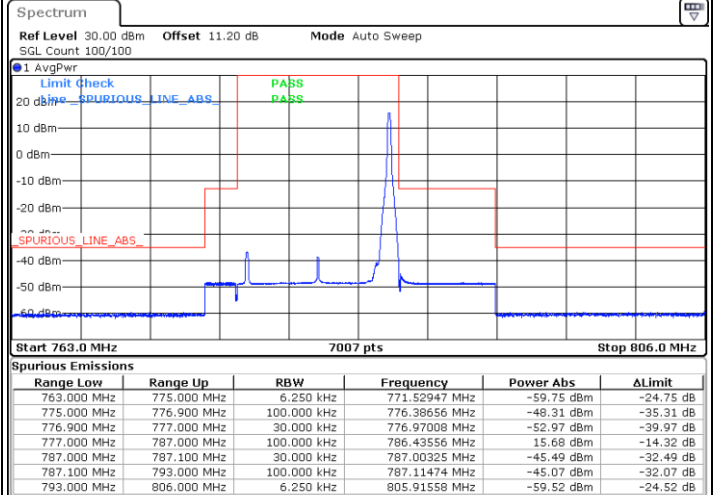
IC LTE Band 13 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



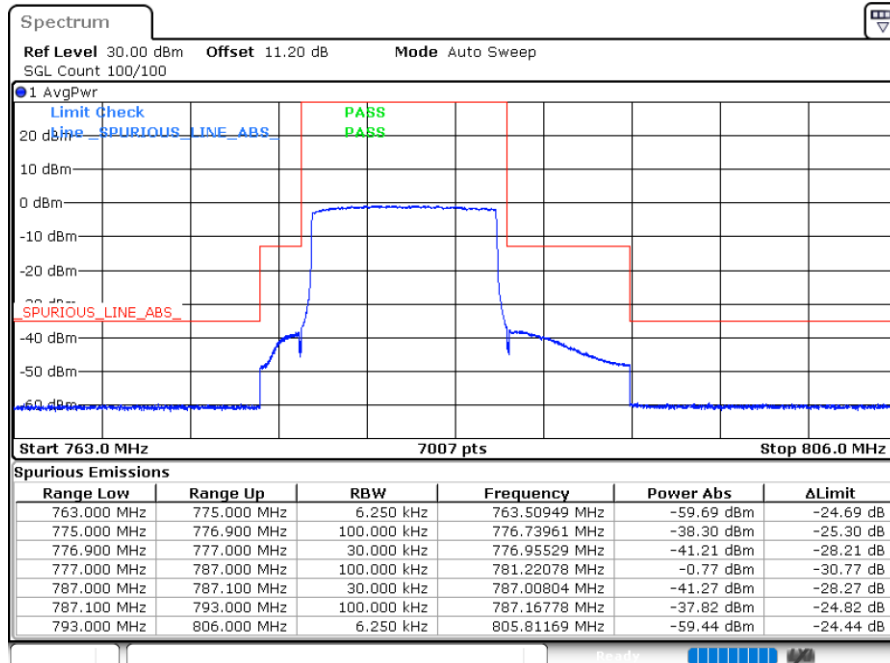
Date: 16.JUL.2020 11:57:30

Highest Band Edge / 1 RB



Date: 16.JUL.2020 12:31:36

Band Edge / Full RB



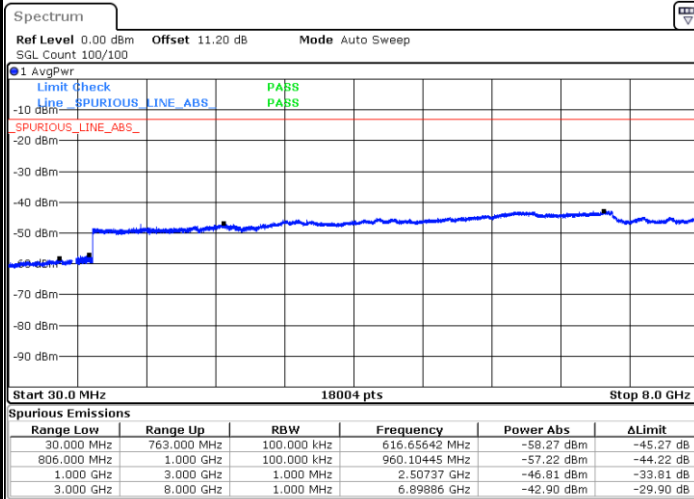
Date: 16.JUL.2020 11:55:09



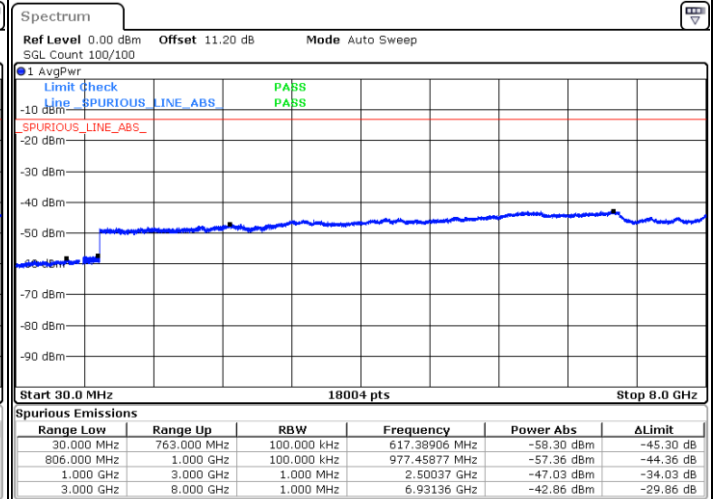
Conducted Spurious Emission

LTE Band 13 / 5MHz

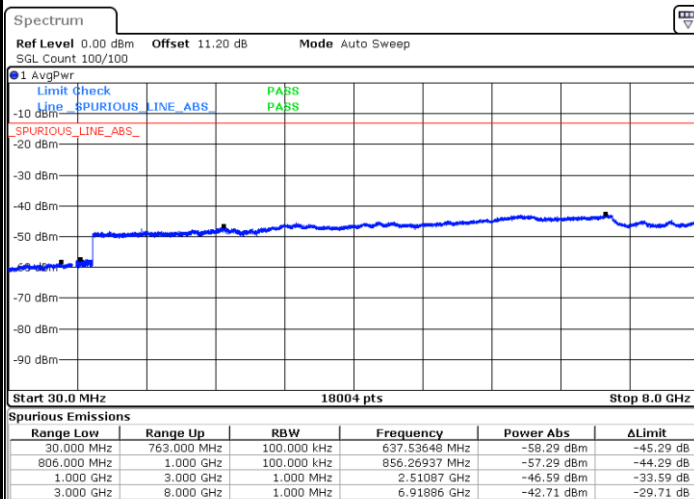
Lowest Channel / QPSK



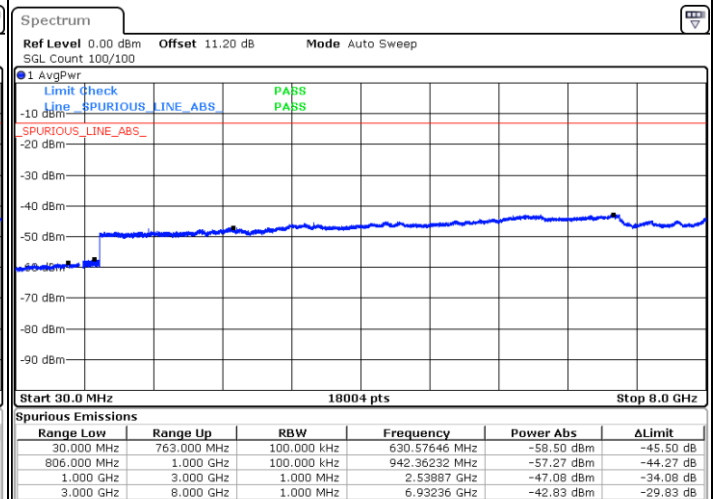
Lowest Channel / 16QAM



Middle Channel / QPSK



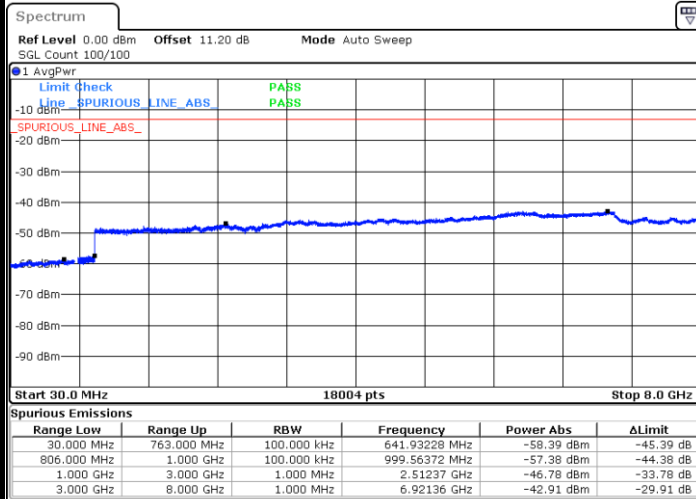
Middle Channel / 16QAM





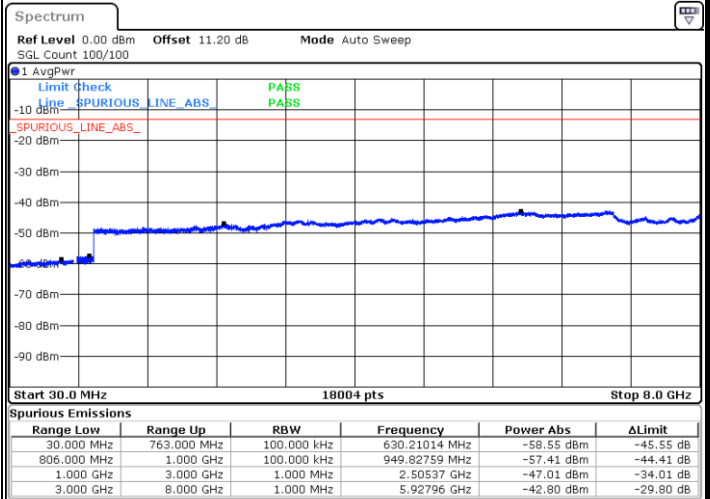
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 7.JUN.2020 12:56:51

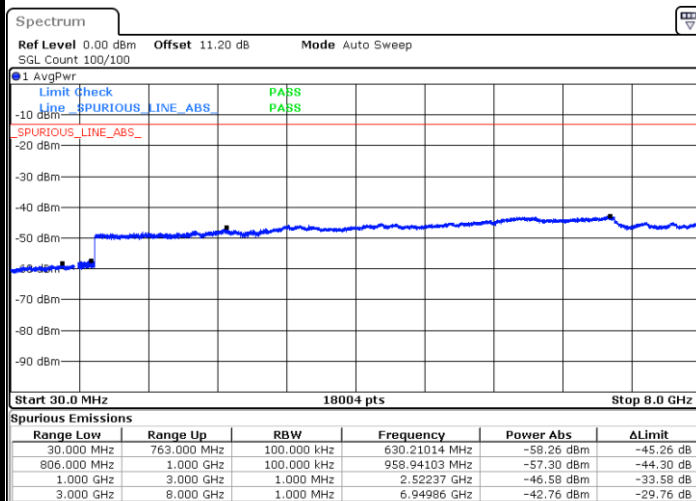
Highest Channel / 16QAM



Date: 7.JUN.2020 12:57:31

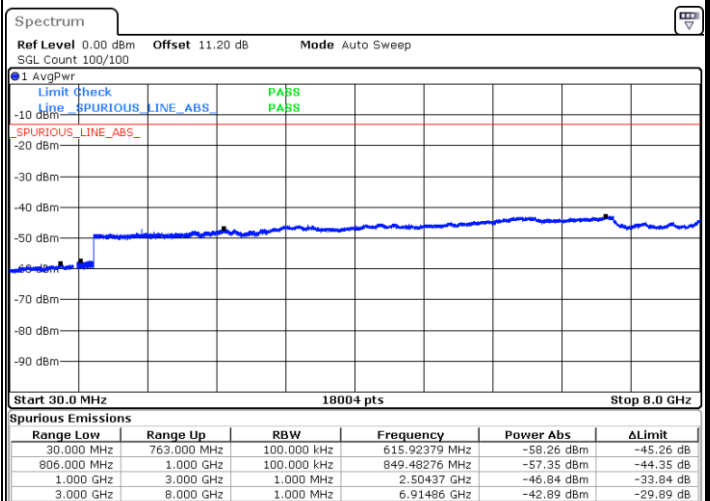
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 7.JUN.2020 13:19:20

Middle Channel / 16QAM

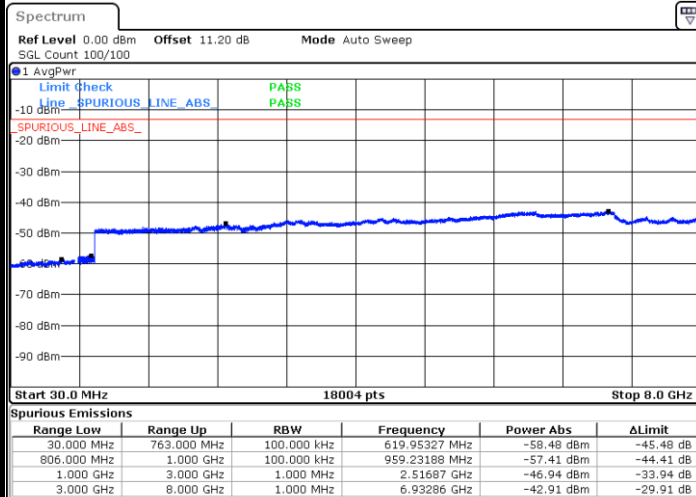


Date: 7.JUN.2020 13:18:41



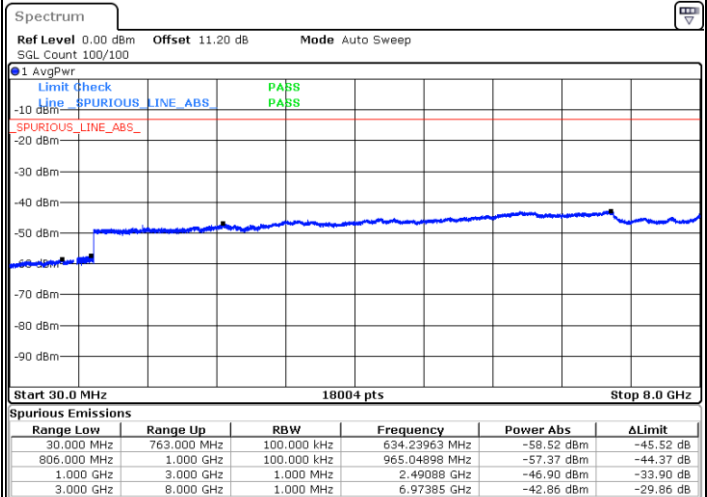
LTE Band 13 / 5MHz

Lowest Channel / 64QAM



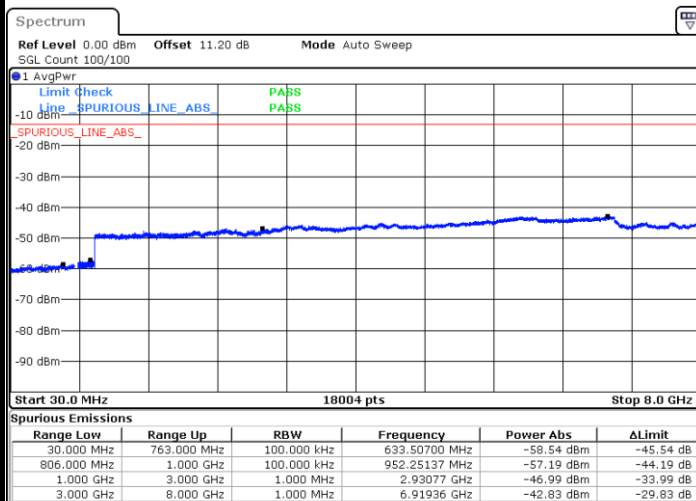
Date: 7.JUN.2020 13:01:54

Middle Channel / 64QAM



Date: 7.JUN.2020 13:02:34

Highest Channel / 64QAM

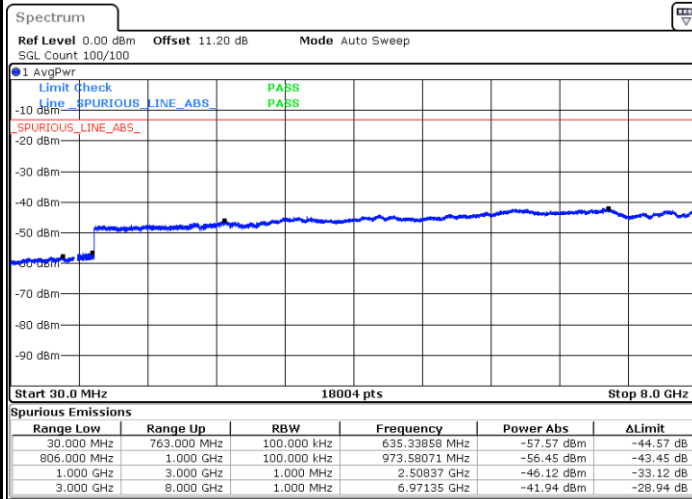


Date: 7.JUN.2020 13:07:19



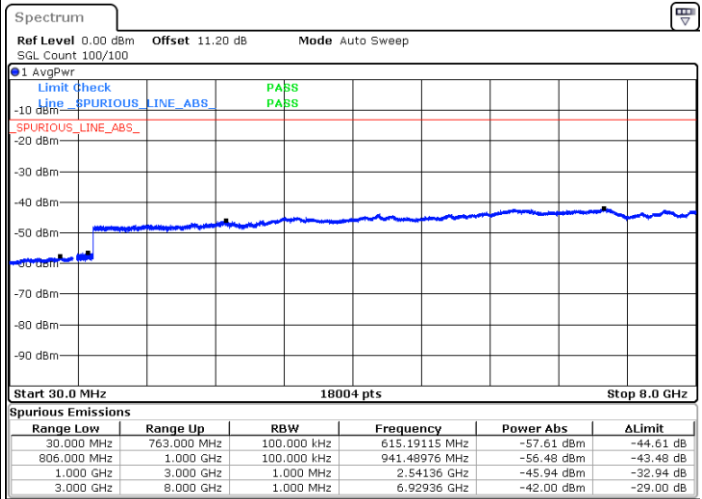
LTE Band 13 / 5MHz

Lowest Channel / 256QAM



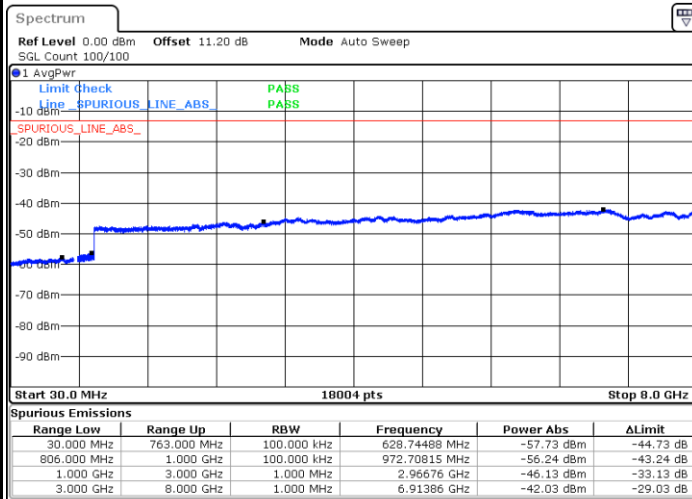
Date: 16.JUL.2020 11:37:30

Middle Channel / 256QAM



Date: 16.JUL.2020 11:41:34

Highest Channel / 256QAM

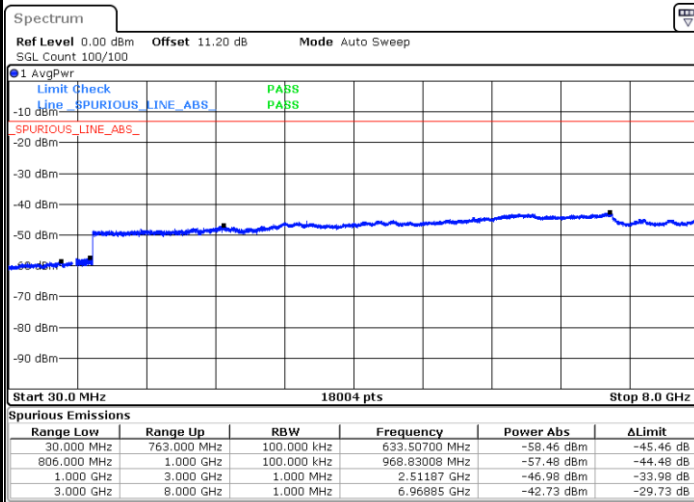


Date: 16.JUL.2020 11:51:13



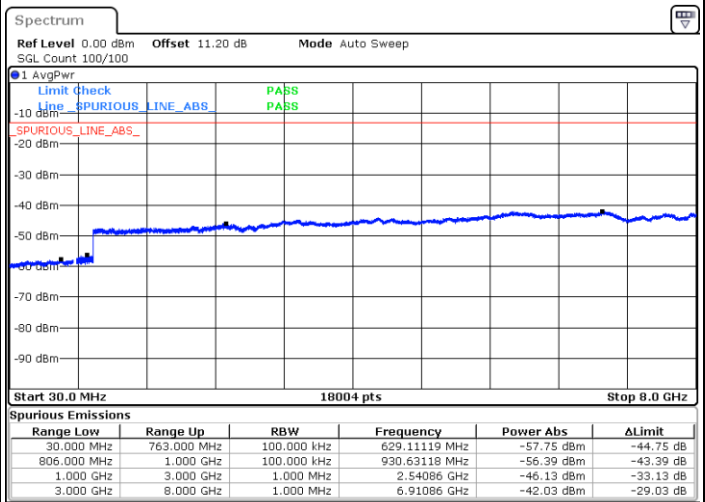
LTE Band 13 / 10MHz

Middle Channel / 64QAM



Date: 7.JUN.2020 13:25:19

Middle Channel / 256QAM



Date: 16.JUL.2020 11:58:47

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	0.0022	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0139	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0133	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.30 V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 17

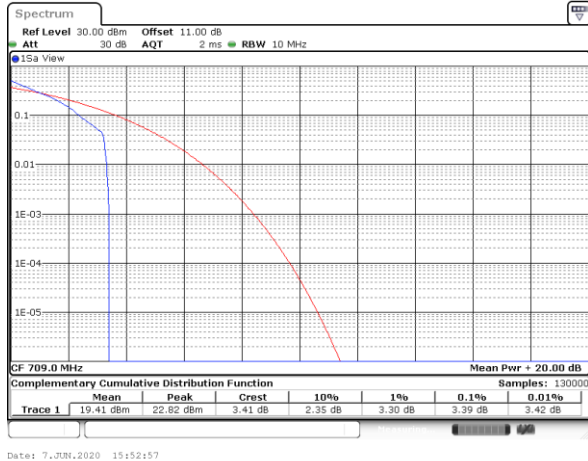
Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.39	4.90	4.99	5.80	PASS
Middle CH	3.77	4.99	5.01	5.86	
Highest CH	3.65	4.99	5.33	5.62	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	7.22	6.29	6.20	6.32	PASS
Middle CH	6.32	6.29	5.86	6.17	
Highest CH	6.99	6.35	6.38	6.20	

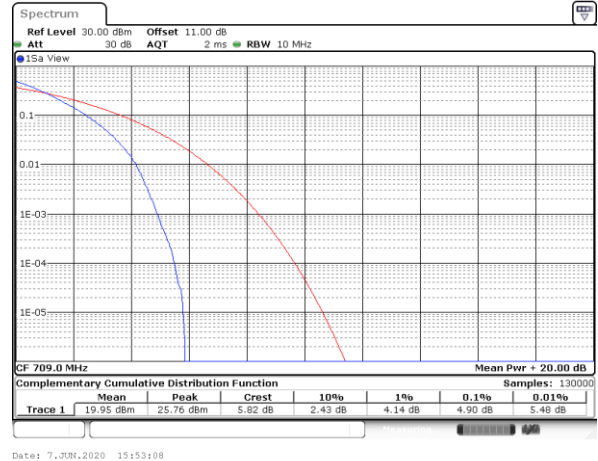


LTE Band 17 / 10MHz / QPSK

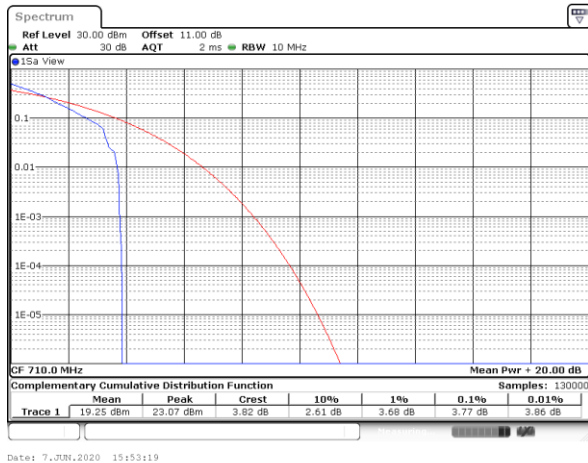
Lowest Channel / 1RB



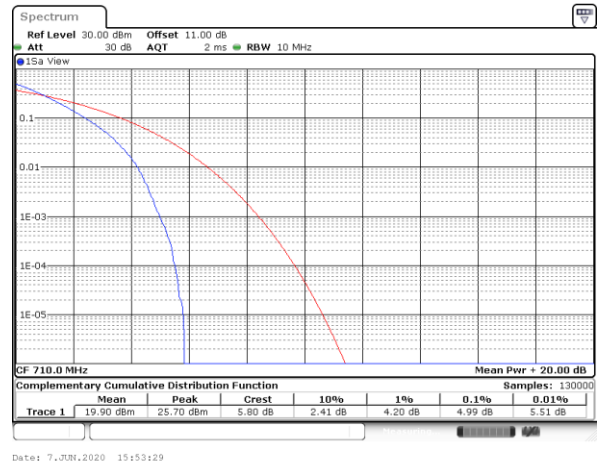
Lowest Channel / Full RB



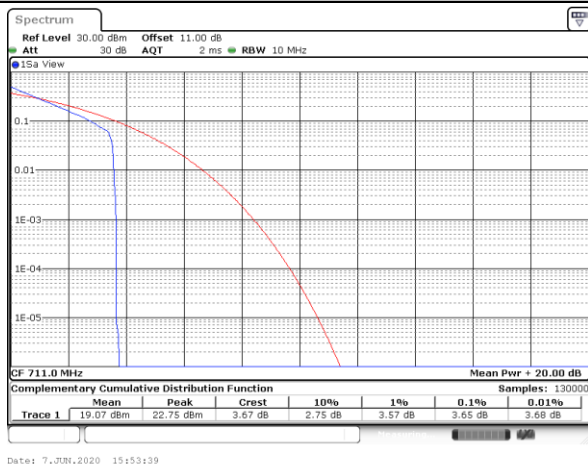
Middle Channel / 1RB



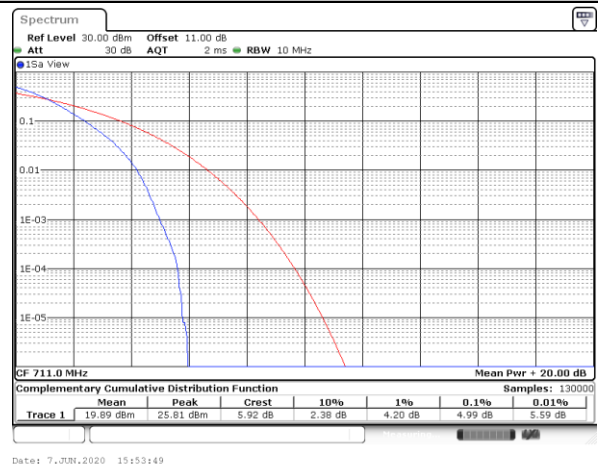
Middle Channel / Full RB

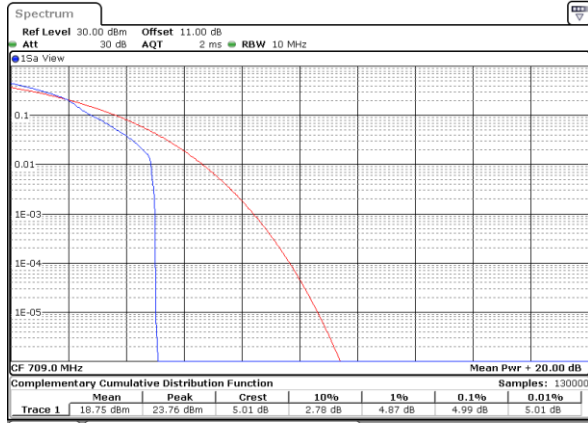
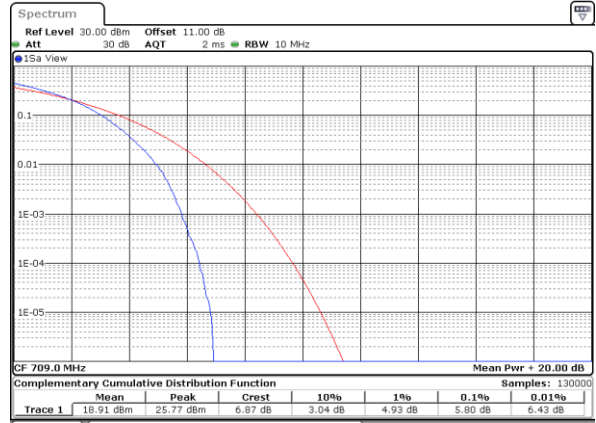
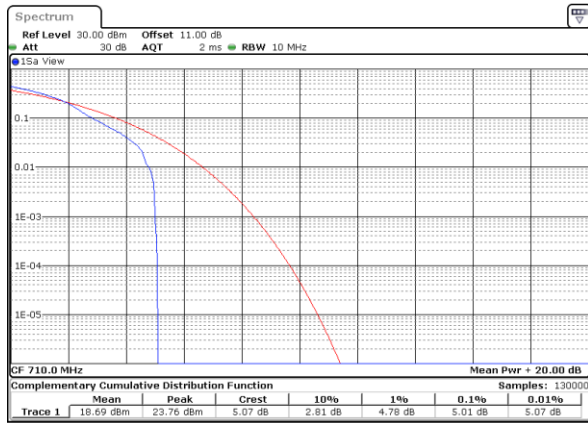
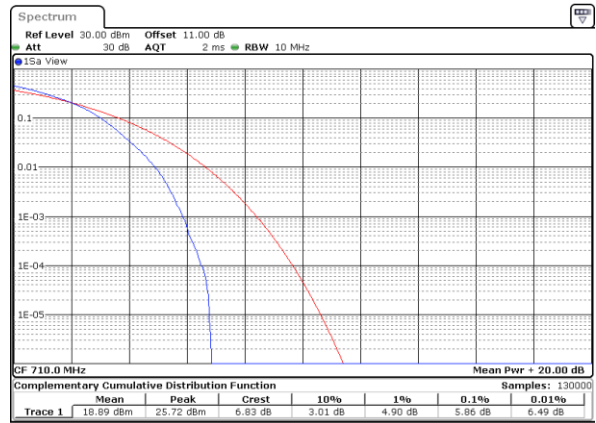


Highest Channel / 1RB



Highest Channel / Full RB



LTE Band 17 / 10MHz / 16QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB




LTE Band 17 / 10MHz / 64QAM

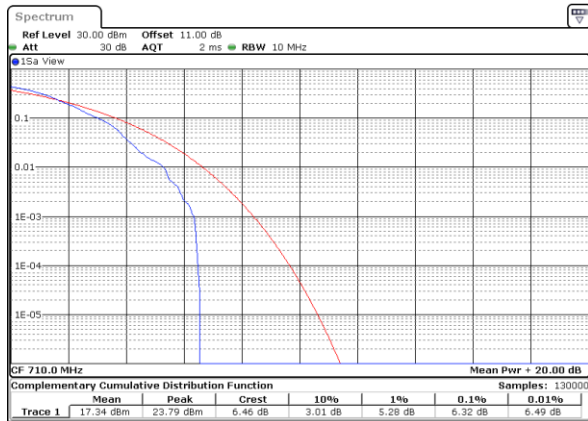
Lowest Channel / 1RB



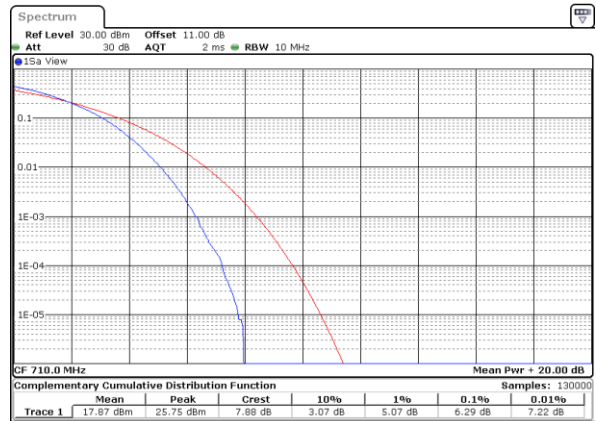
Lowest Channel / Full RB



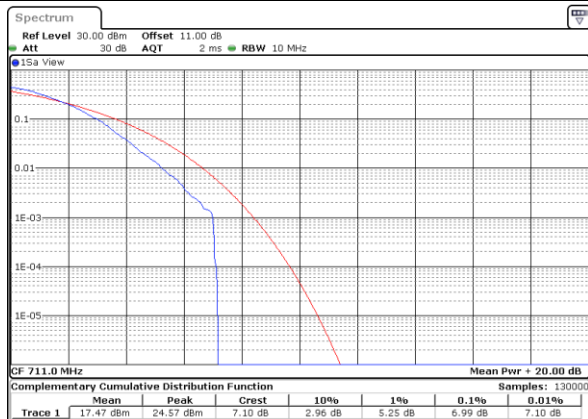
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



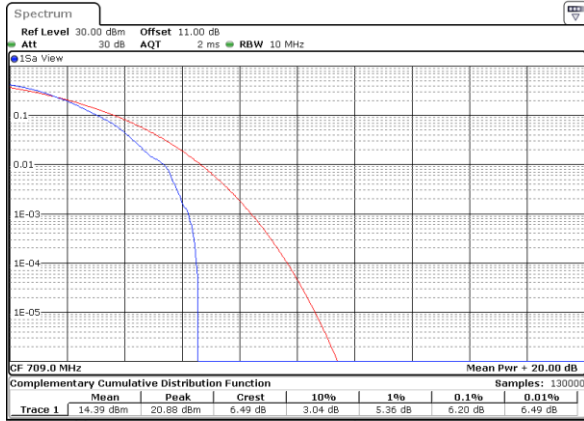
Highest Channel / Full RB





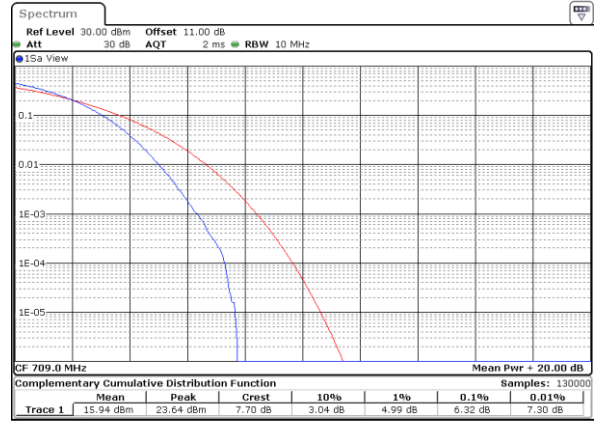
LTE Band 17 / 10MHz / 256QAM

Lowest Channel / 1RB



Date: 24.JUL.2020 17:03:29

Lowest Channel / Full RB



Date: 24.JUL.2020 17:04:00

Middle Channel / 1RB



Date: 24.JUL.2020 17:05:38

Middle Channel / Full RB



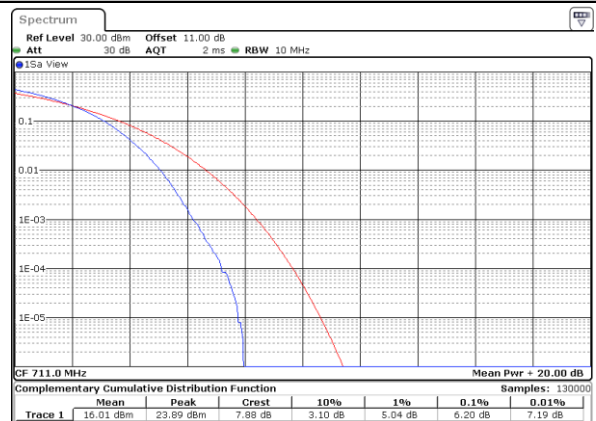
Date: 24.JUL.2020 17:05:17

Highest Channel / 1RB



Date: 24.JUL.2020 17:06:45

Highest Channel / Full RB



Date: 24.JUL.2020 17:09:07

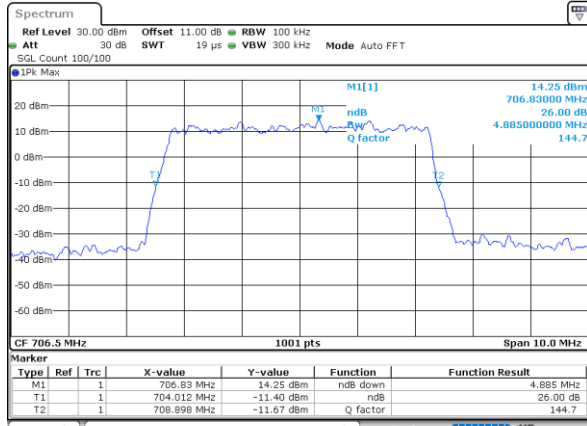
**26dB Bandwidth**

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	-	-	-	-	4.89	4.86	9.79	9.79	-	-	-	-
Middle CH	-	-	-	-	4.92	4.84	9.73	9.79	-	-	-	-
Highest CH	-	-	-	-	4.88	4.94	9.67	9.93	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
		M		M		M		M		M		M
Lowest CH	-	-	-	-	4.88	4.90	9.81	9.85	-	-	-	-
Middle CH	-	-	-	-	4.92	4.88	9.73	9.83	-	-	-	-
Highest CH	-	-	-	-	4.93	4.94	9.73	9.75	-	-	-	-



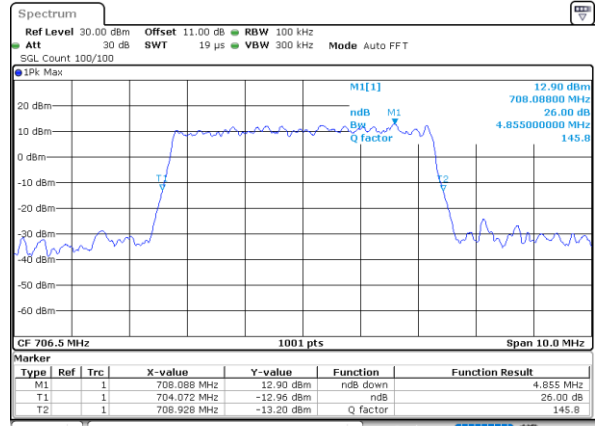
LTE Band 17

Lowest Channel / 5MHz / QPSK



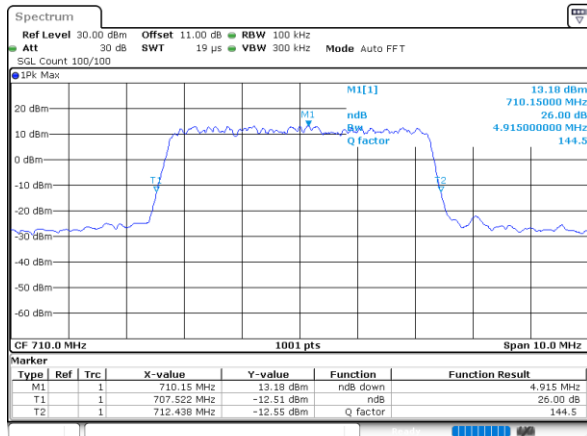
Date: 7 JUN 2020 15:16:28

Lowest Channel / 5MHz / 16QAM



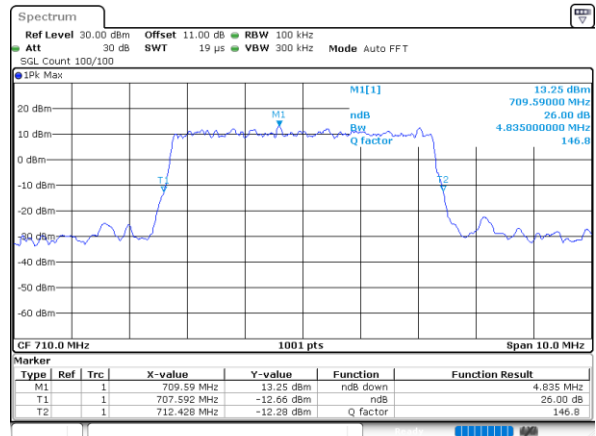
Date: 7 JUN 2020 15:16:39

Middle Channel / 5MHz / QPSK



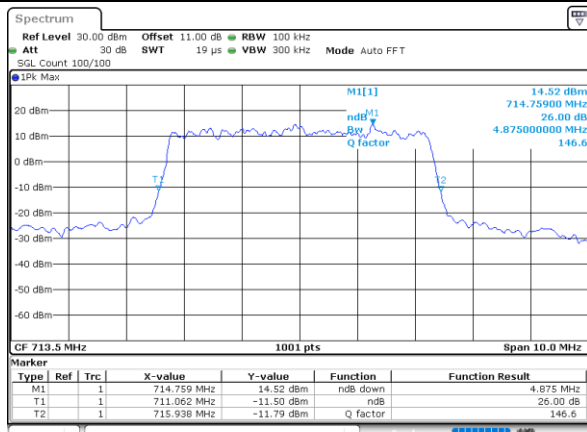
Date: 7 JUN 2020 15:21:30

Middle Channel / 5MHz / 16QAM



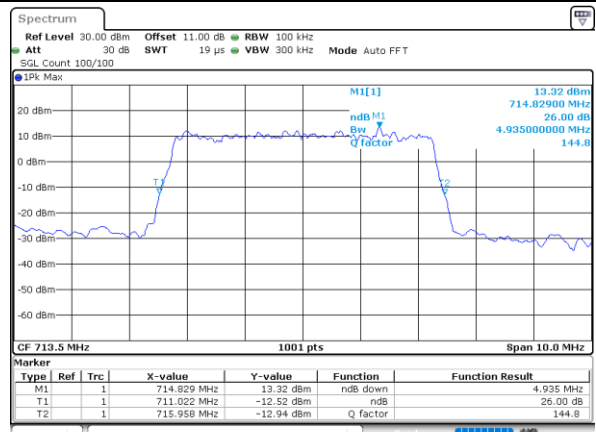
Date: 7 JUN 2020 15:21:41

Highest Channel / 5MHz / QPSK



Date: 7 JUN 2020 15:23:36

Highest Channel / 5MHz / 16QAM

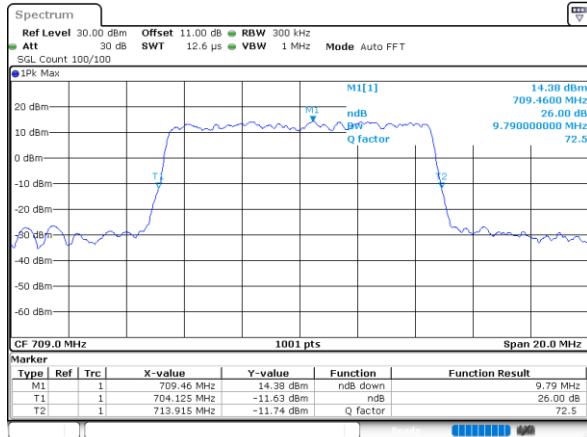


Date: 7 JUN 2020 15:23:47

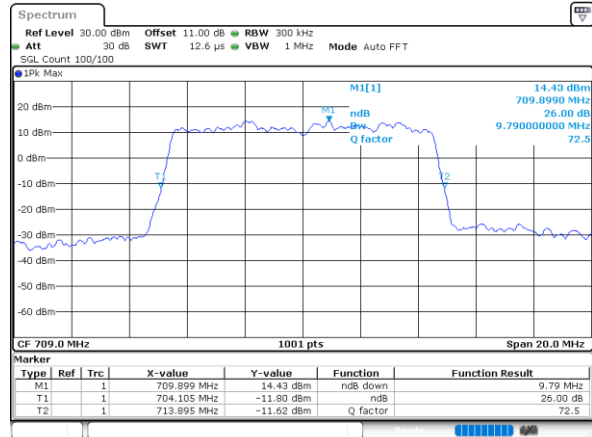


LTE Band 17

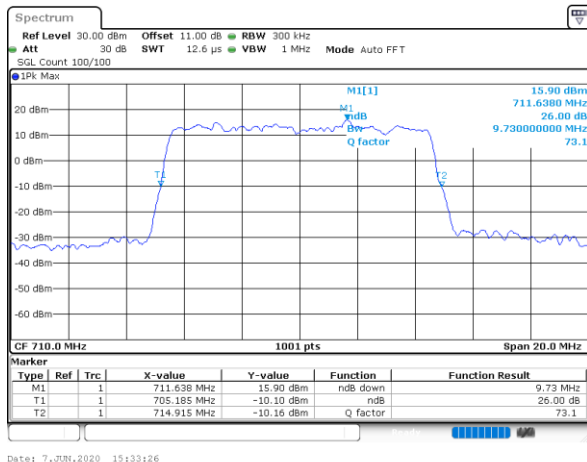
Lowest Channel / 10MHz / QPSK



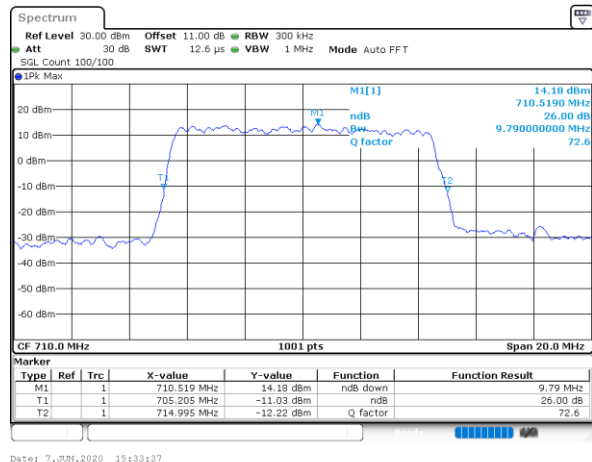
Lowest Channel / 10MHz / 16QAM



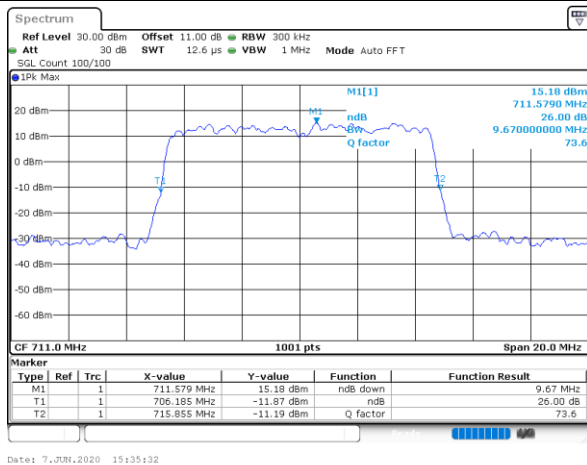
Middle Channel / 10MHz / QPSK



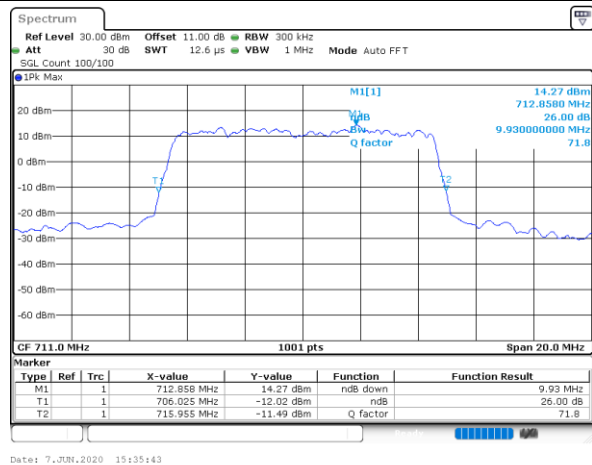
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



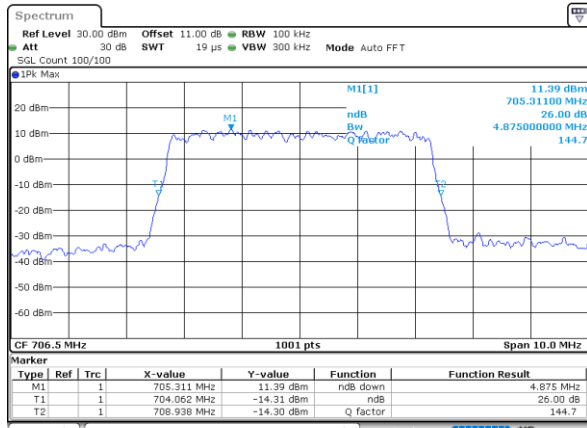
Highest Channel / 10MHz / 16QAM





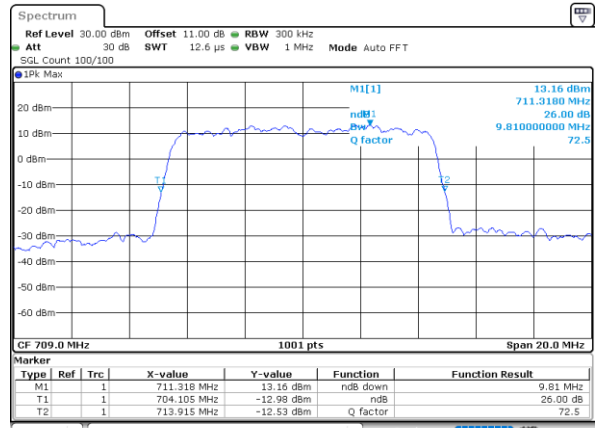
LTE Band 17

Lowest Channel / 5MHz / 64QAM



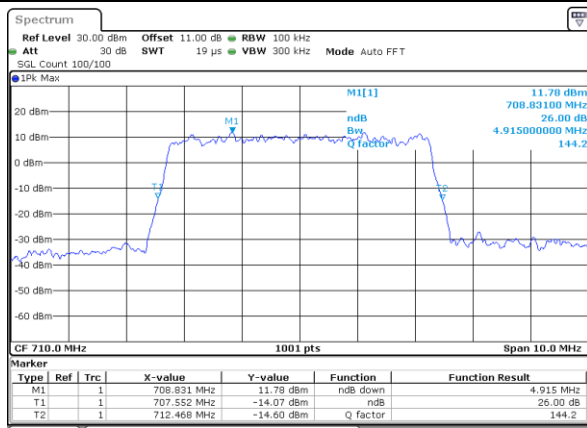
Date: 7, JUN, 2020 15:40:08

Lowest Channel / 10MHz / 64QAM



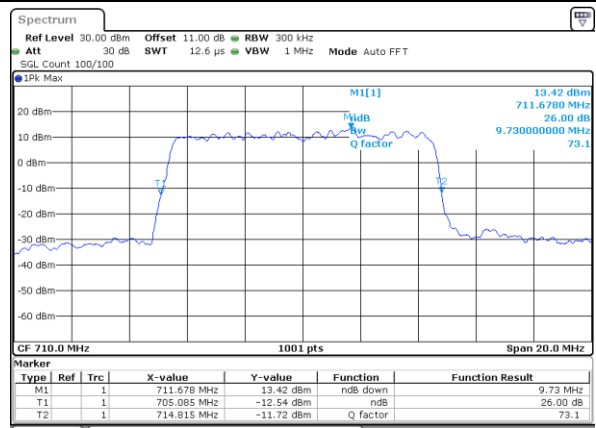
Date: 7, JUN, 2020 15:46:05

Middle Channel / 5MHz / 64QAM



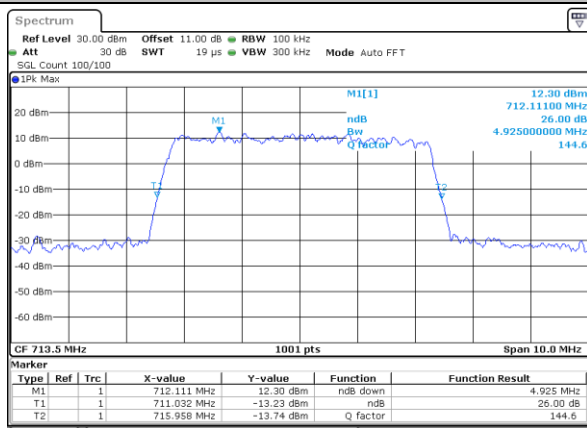
Date: 7, JUN, 2020 15:42:38

Middle Channel / 10MHz / 64QAM



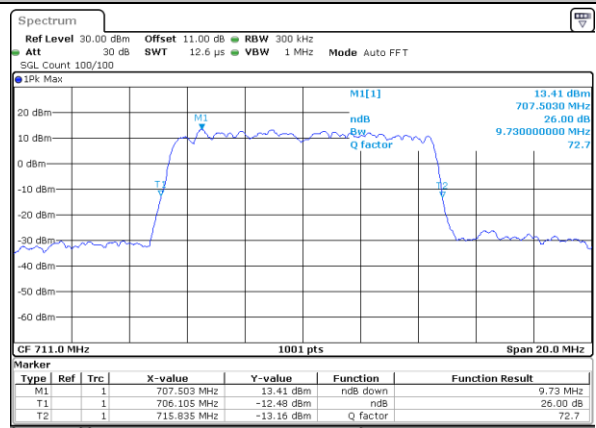
Date: 7, JUN, 2020 15:48:35

Highest Channel / 5MHz / 64QAM



Date: 7, JUN, 2020 15:43:41

Highest Channel / 10MHz / 64QAM

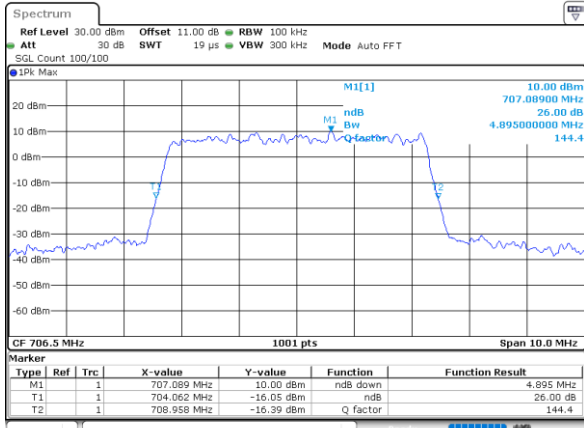


Date: 7, JUN, 2020 15:49:38

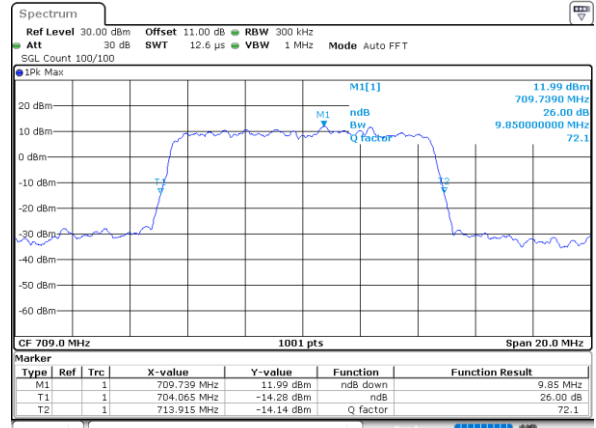


LTE Band 17

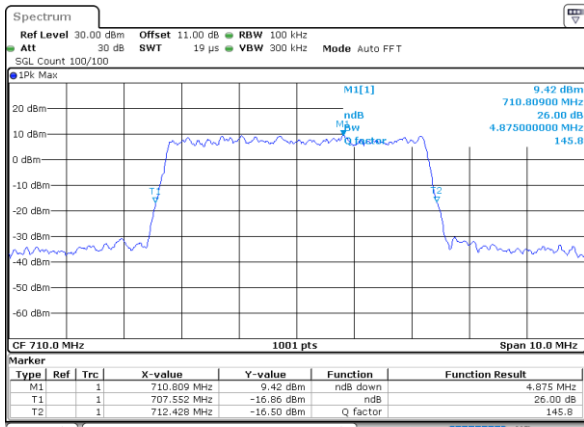
Lowest Channel / 5MHz / 256QAM



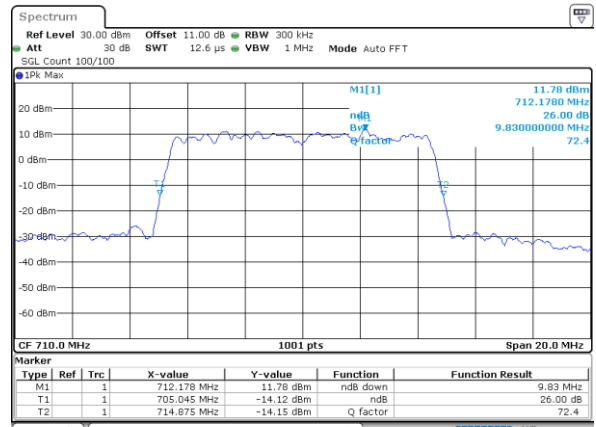
Lowest Channel / 10MHz / 256QAM



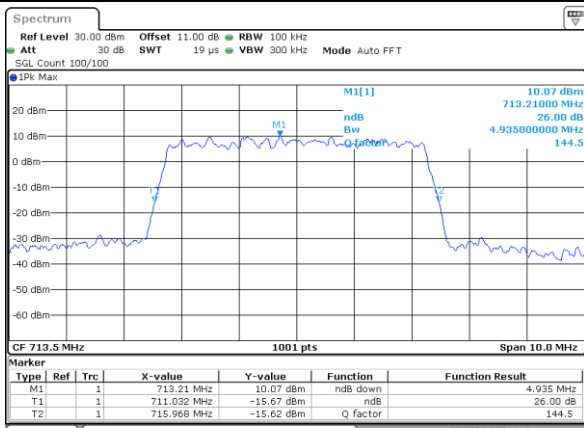
Middle Channel / 5MHz / 256QAM



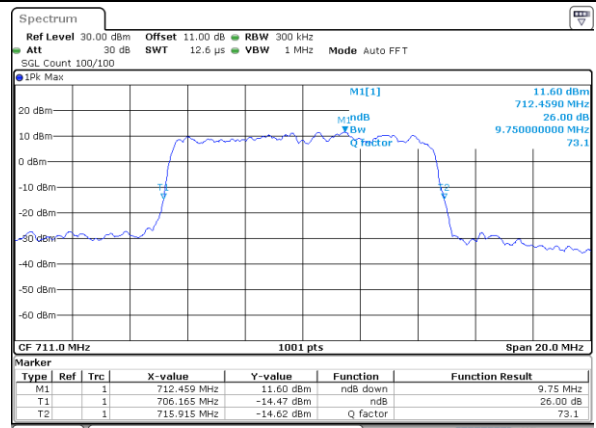
Middle Channel / 10MHz / 256QAM



Highest Channel / 5MHz / 256QAM



Highest Channel / 10MHz / 256QAM



**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	-	-	-	-	4.48	4.49	9.07	9.01	-	-	-	-
Middle CH	-	-	-	-	4.48	4.49	8.99	9.01	-	-	-	-
Highest CH	-	-	-	-	4.49	4.50	8.97	9.01	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
		M		M		M		M		M		M
Lowest CH	-	-	-	-	4.49	4.48	8.99	9.03	-	-	-	-
Middle CH	-	-	-	-	4.48	4.48	9.03	9.07	-	-	-	-
Highest CH	-	-	-	-	4.49	4.46	9.05	9.03	-	-	-	-