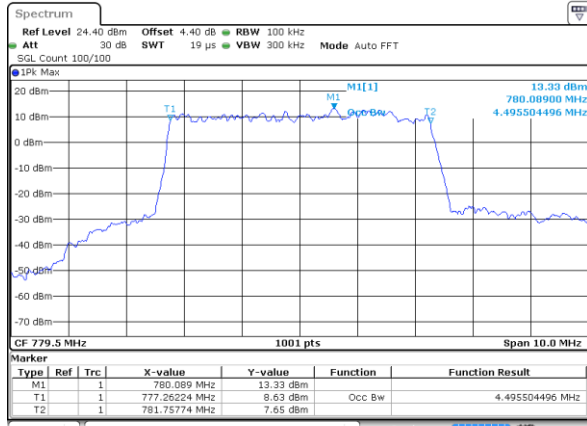


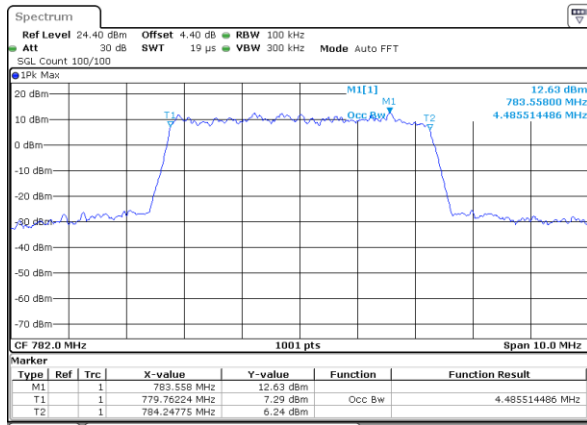


LTE Band 13

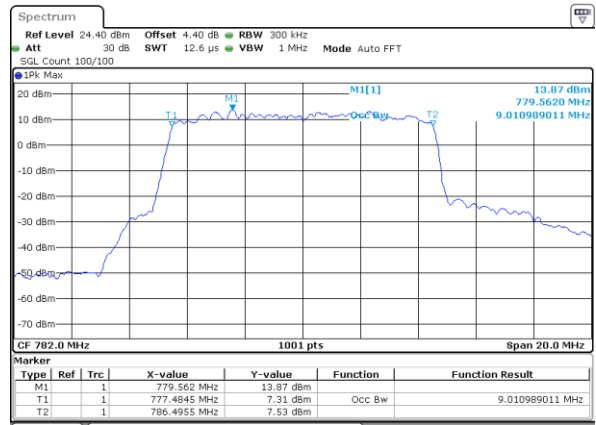
Lowest Channel / 5MHz / 64QAM



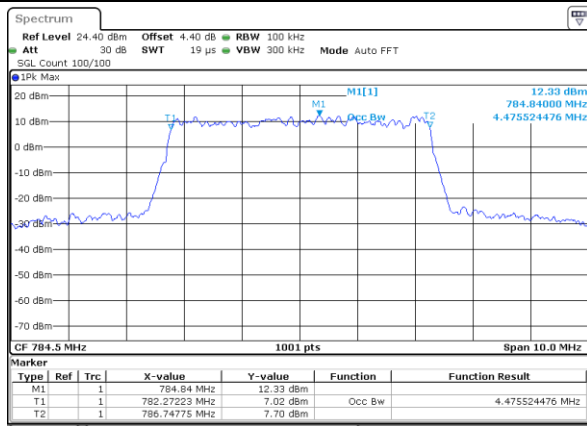
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

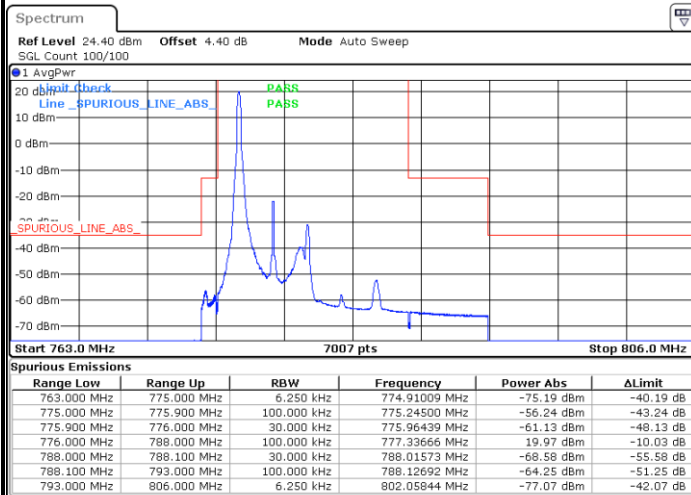




Conducted Band Edge

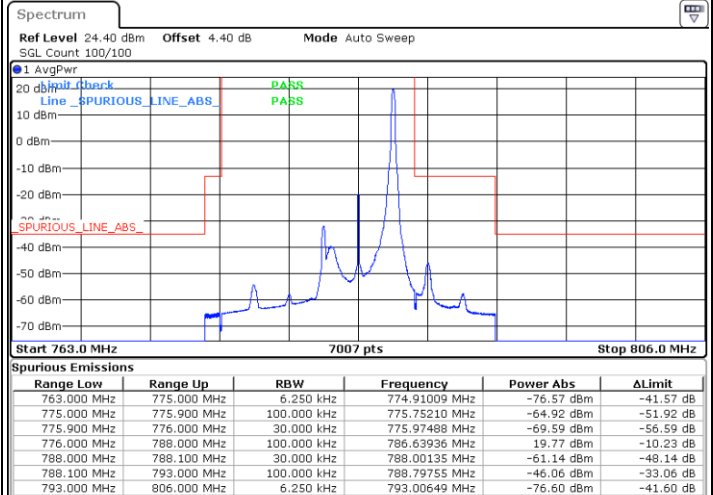
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



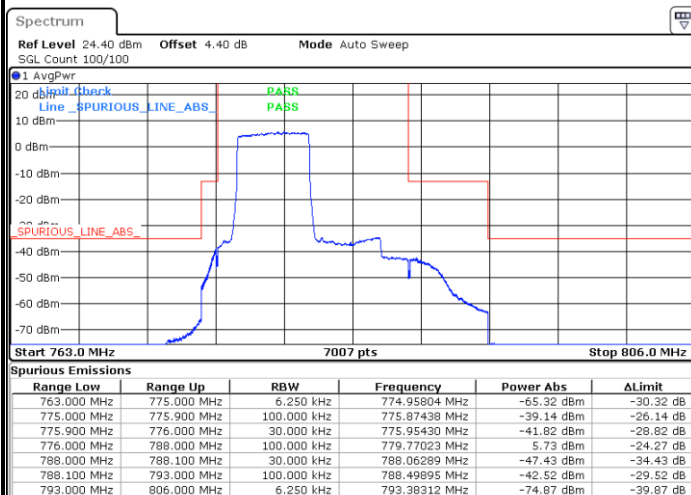
Date: 10 AUG 2020 14:57:43

Highest Band Edge / 1 RB



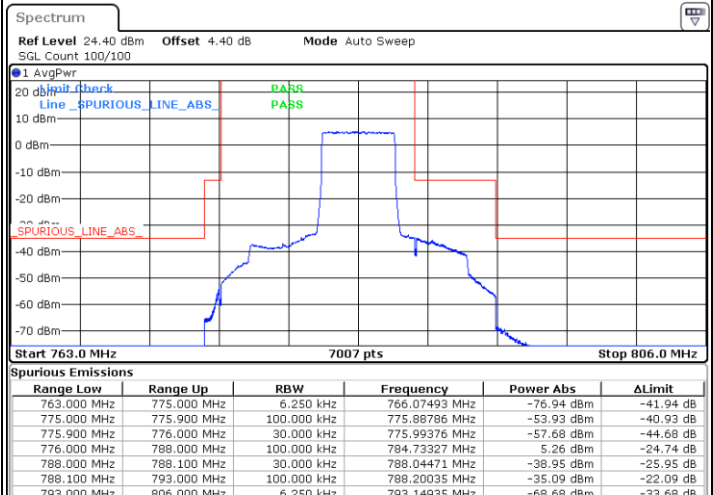
Date: 10 AUG 2020 15:09:11

Lowest Band Edge / Full RB



Date: 10 AUG 2020 14:56:06

Highest Band Edge / Full RB



Date: 10 AUG 2020 15:07:34



Highest Band Edge / 1 RB



Highest Band Edge / Full RB





Highest Band Edge / 1 RB



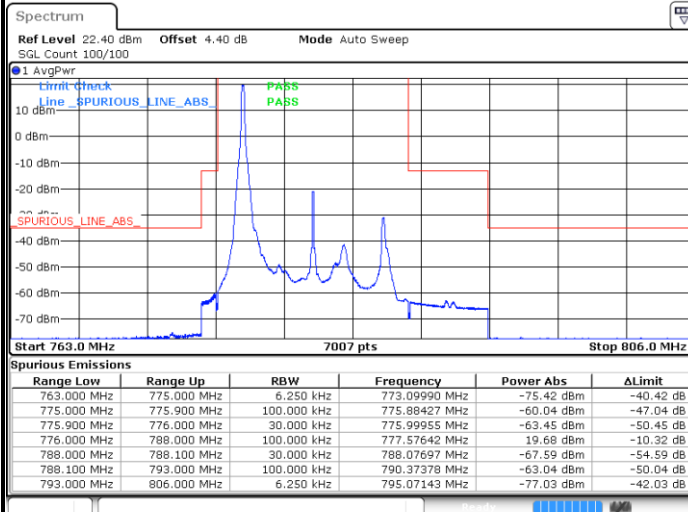
Highest Band Edge / Full RB



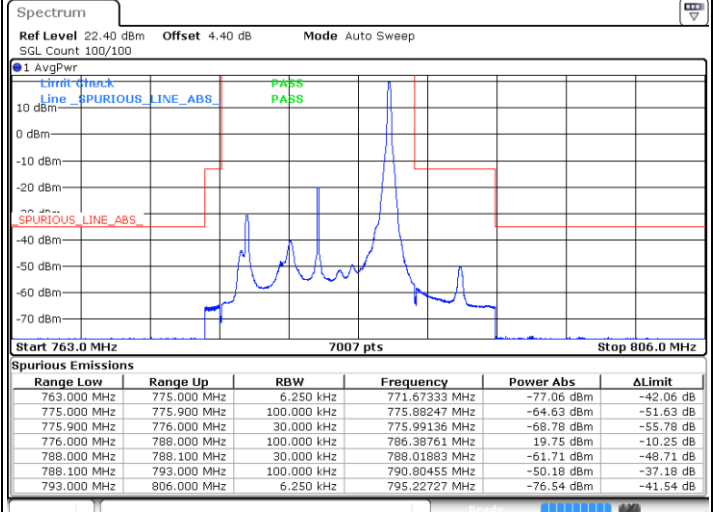


LTE Band 13 / 10MHz / QPSK

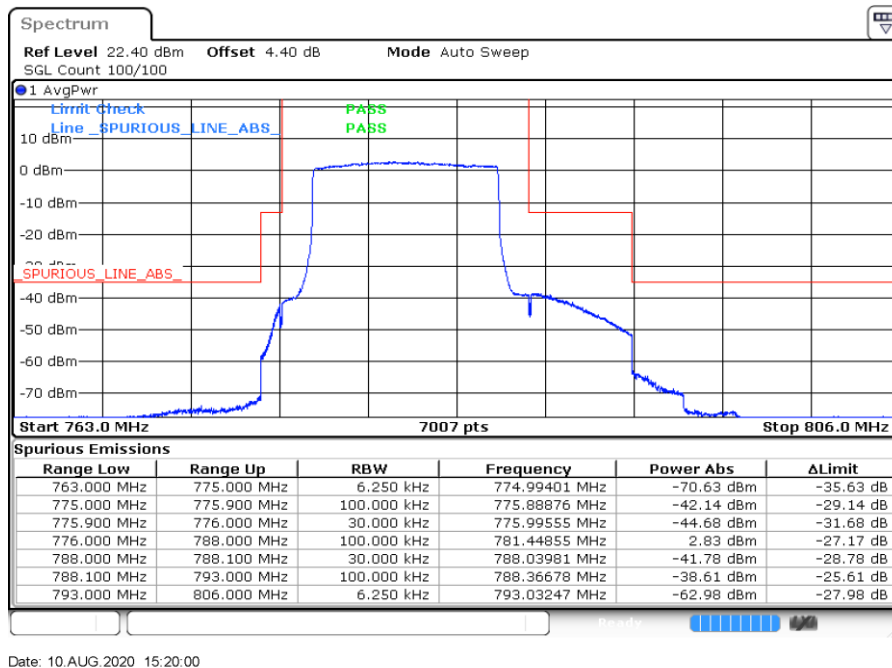
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



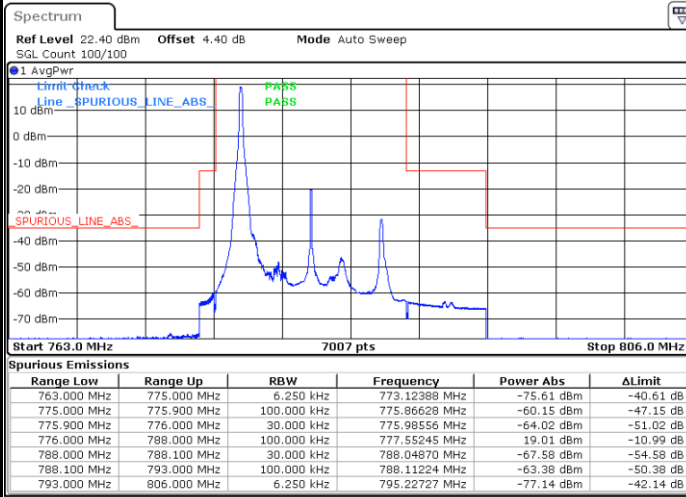
Band Edge / Full RB



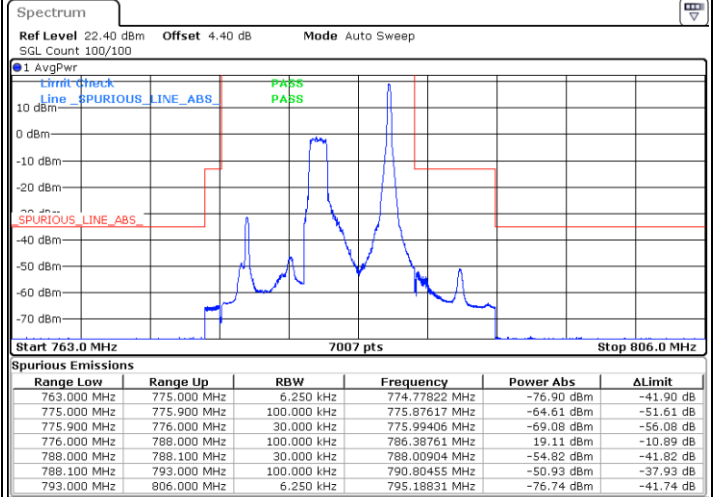


LTE Band 13 / 10MHz / 16QAM

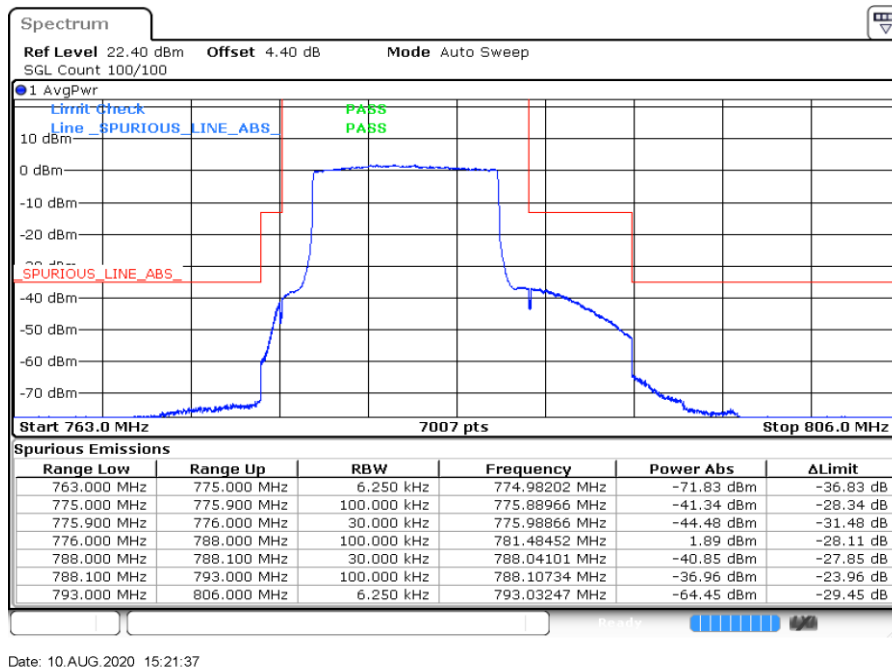
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



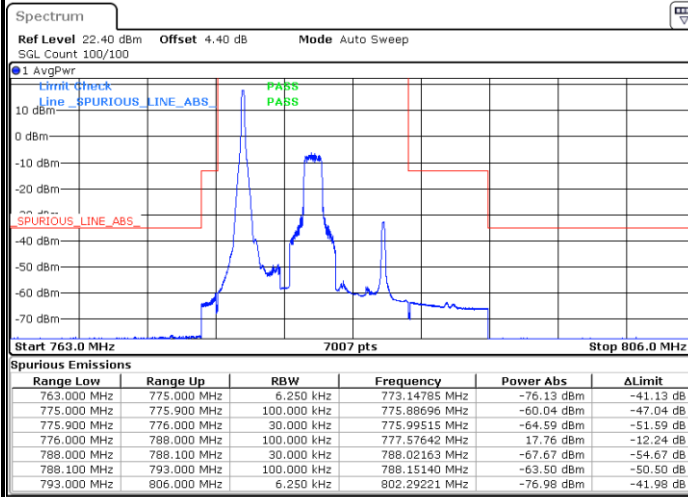
Band Edge / Full RB





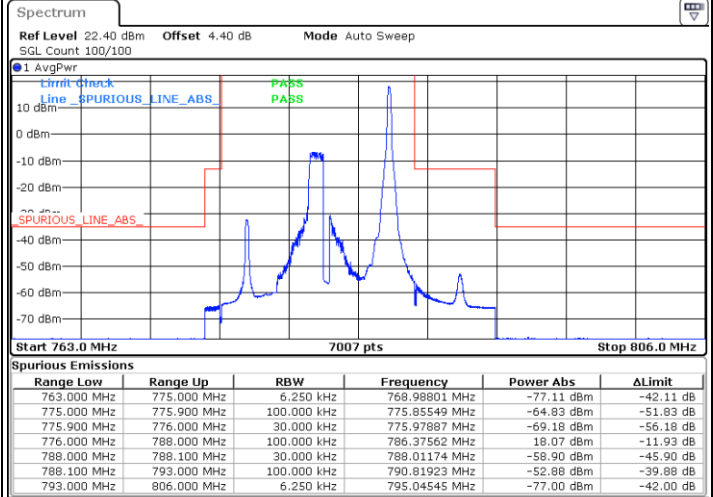
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



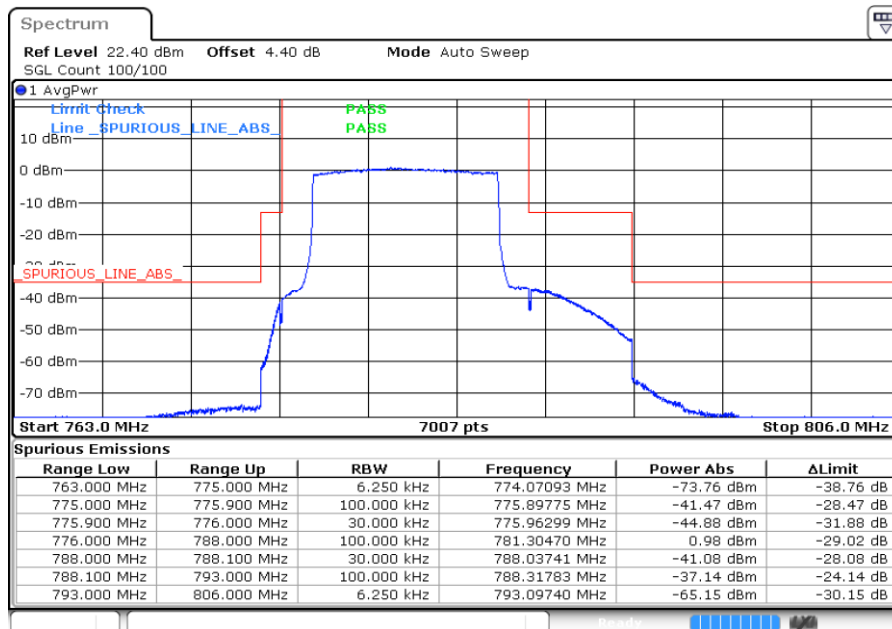
Date: 10.AUG.2020 15:38:50

Highest Band Edge / 1 RB



Date: 10.AUG.2020 15:40:27

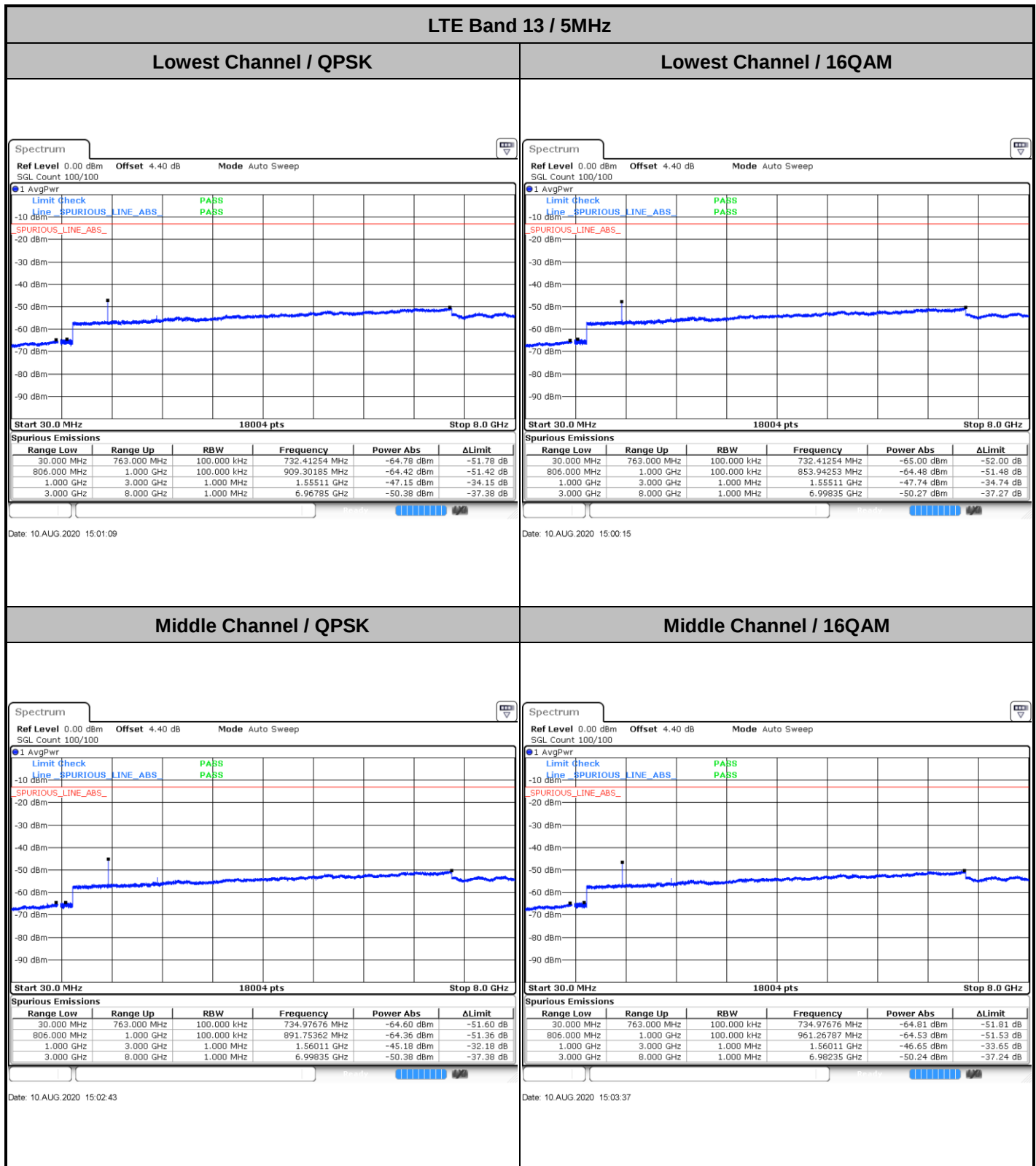
Band Edge / Full RB



Date: 10.AUG.2020 15:42:05



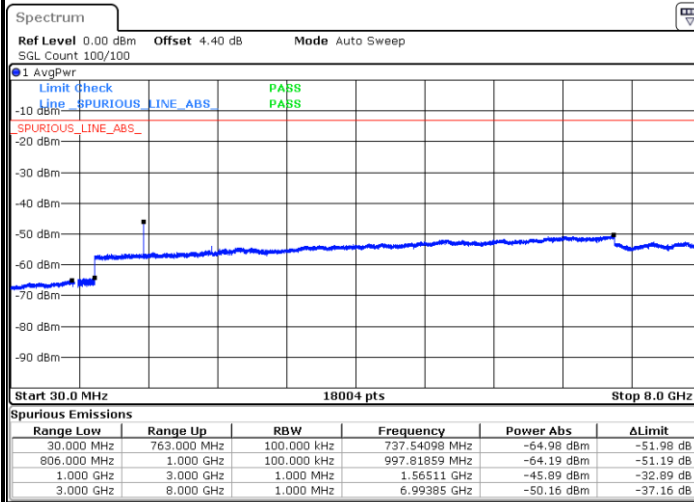
Conducted Spurious Emission





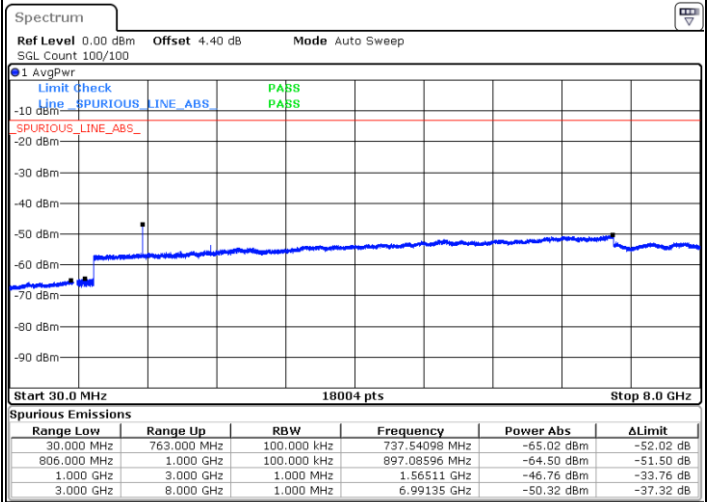
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 10 AUG 2020 15:12:37

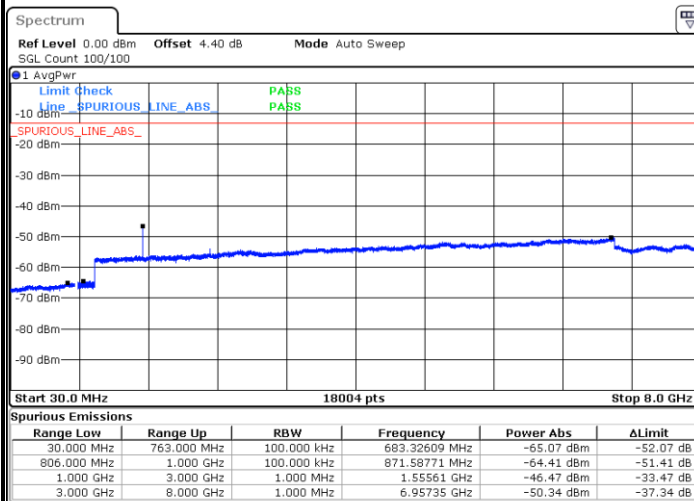
Highest Channel / 16QAM



Date: 10 AUG 2020 15:11:43

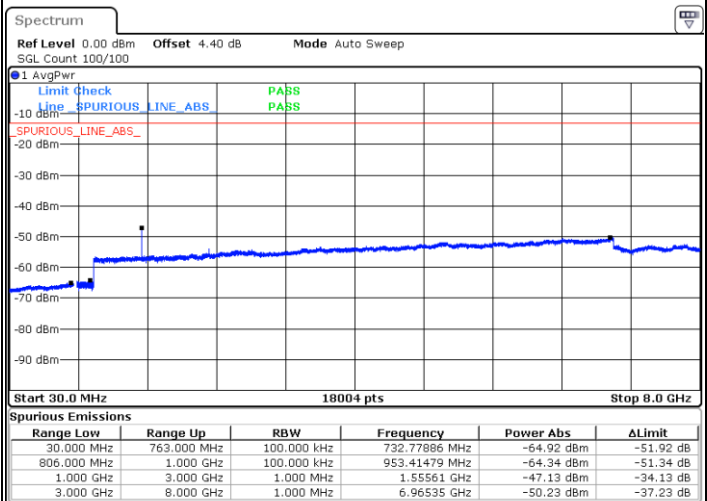
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 10 AUG 2020 15:13:31

Middle Channel / 16QAM

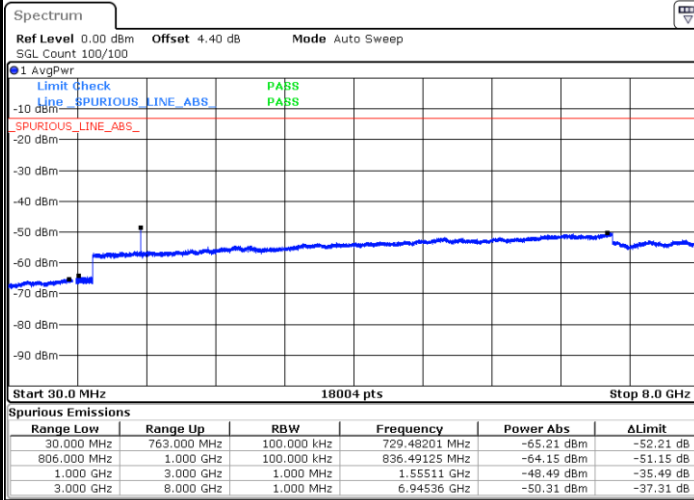


Date: 10 AUG 2020 15:14:26



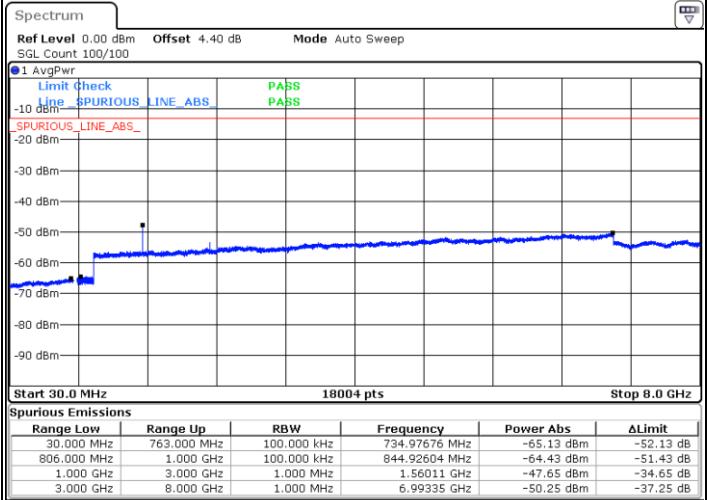
LTE Band 13 / 5MHz

Lowest Channel / 64QAM



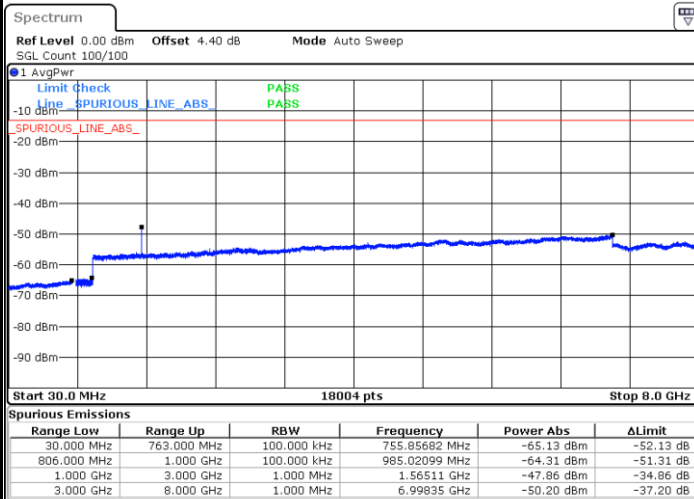
Date: 10 AUG.2020 15:35:02

Middle Channel / 64QAM



Date: 10 AUG.2020 15:35:57

Highest Channel / 64QAM

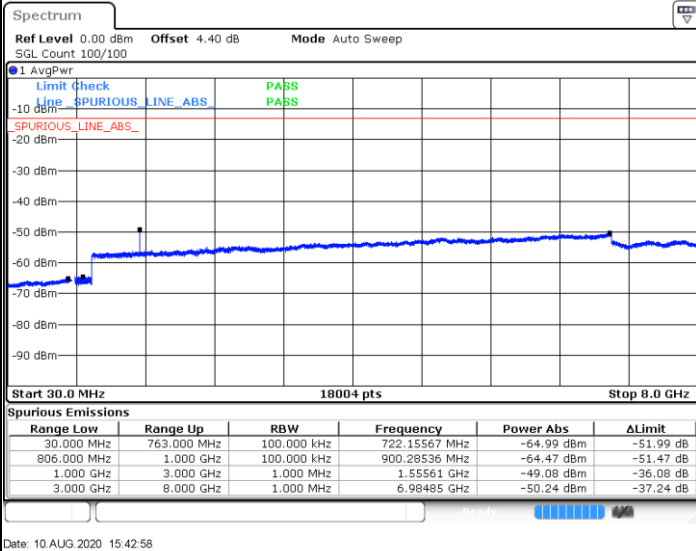


Date: 10 AUG.2020 15:36:51



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	0.0002	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0048	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0054	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0050	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0055	
20	Maximum Voltage	0.0048	
20	Normal Voltage	0.0055	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

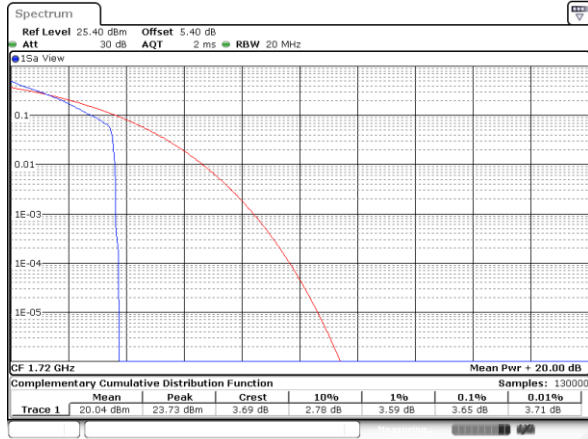
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.65	4.90	5.42	5.97	PASS
Middle CH	3.74	5.07	5.36	5.94	
Highest CH	3.57	5.07	5.22	6.03	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.78	6.38	-	-	PASS
Middle CH	6.32	6.49	-	-	
Highest CH	6.61	6.49	-	-	

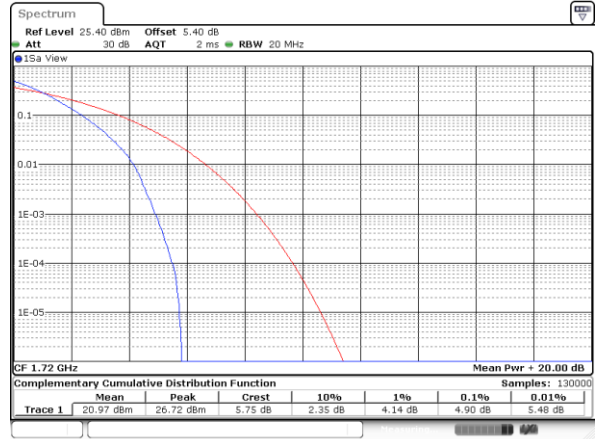


LTE Band 66 / 20MHz / QPSK

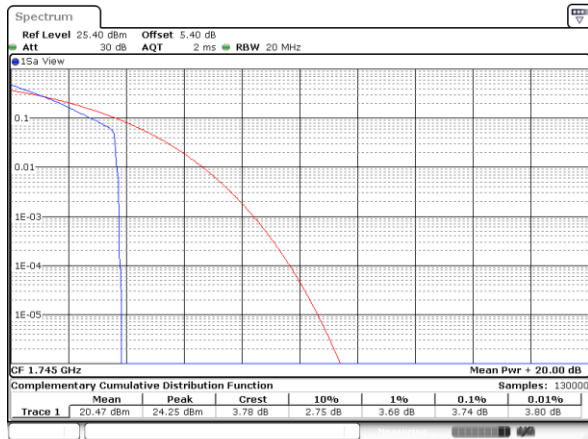
Lowest Channel / 1RB



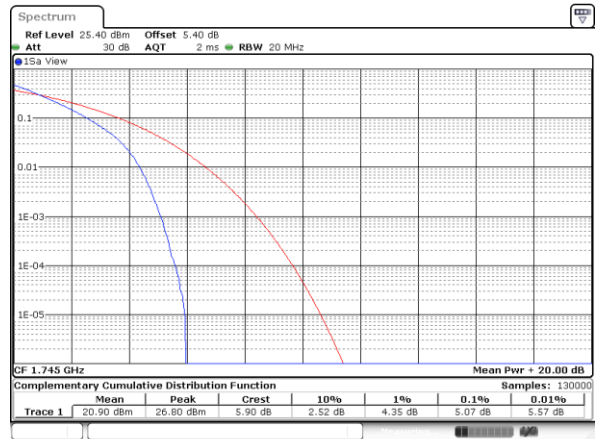
Lowest Channel / Full RB



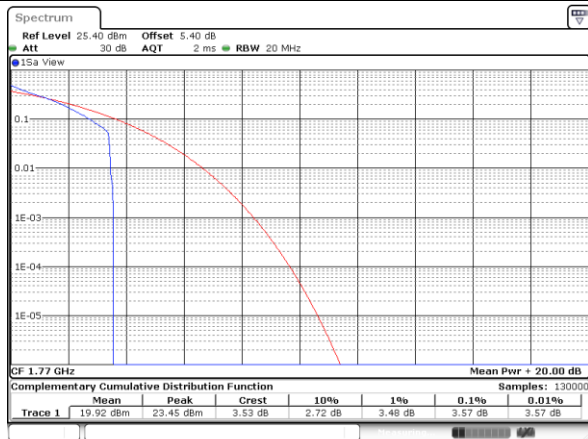
Middle Channel / 1RB



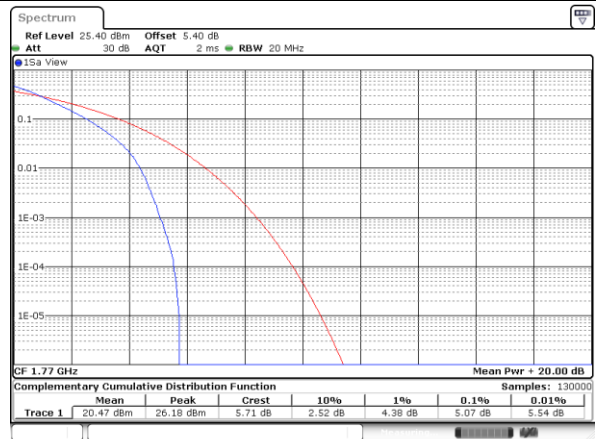
Middle Channel / Full RB



Highest Channel / 1RB



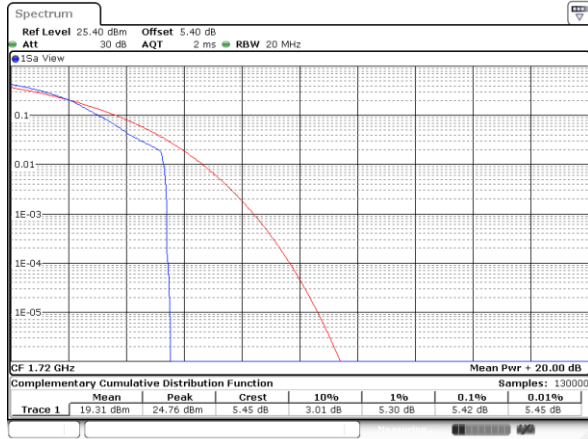
Highest Channel / Full RB



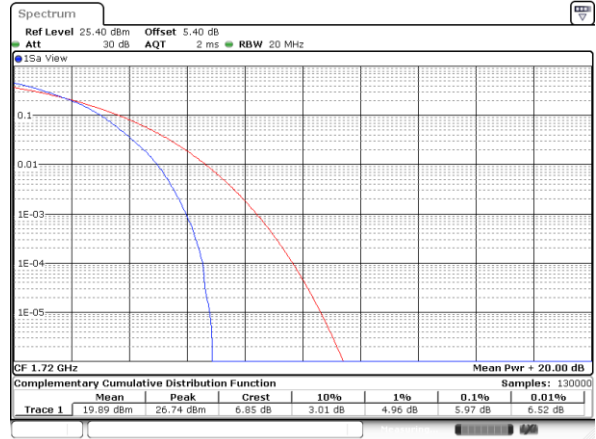


LTE Band 66 / 20MHz / 16QAM

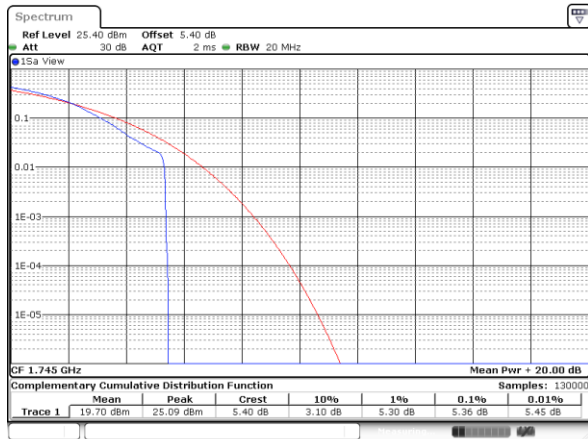
Lowest Channel / 1RB



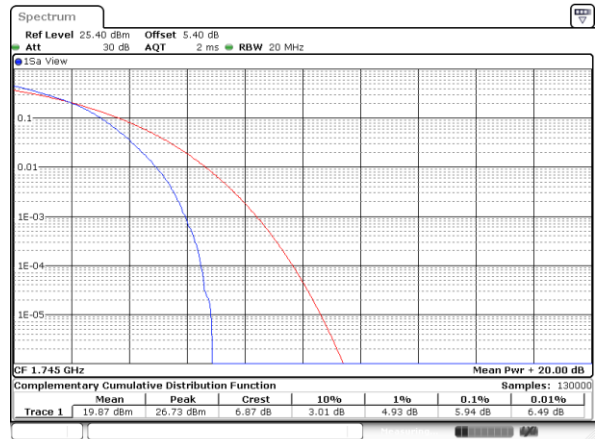
Lowest Channel / Full RB



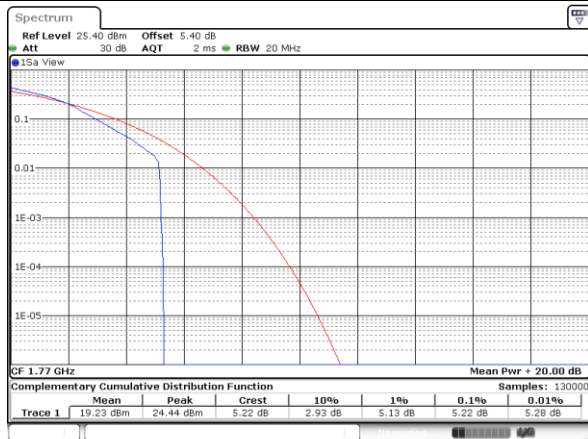
Middle Channel / 1RB



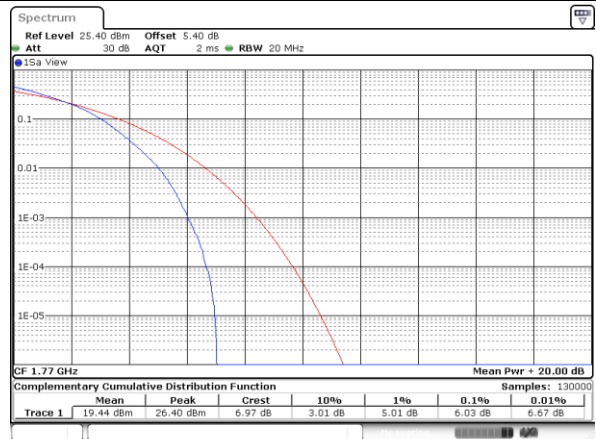
Middle Channel / Full RB



Highest Channel / 1RB



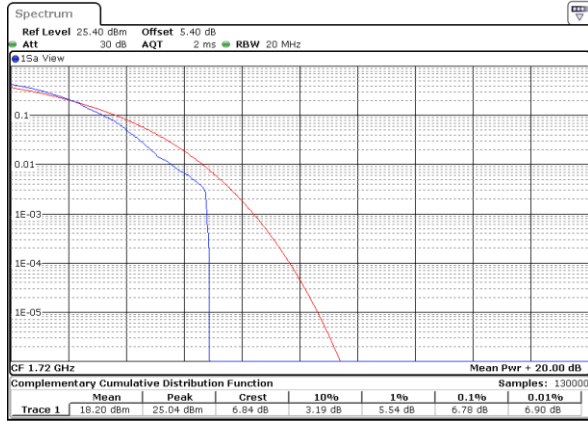
Highest Channel / Full RB



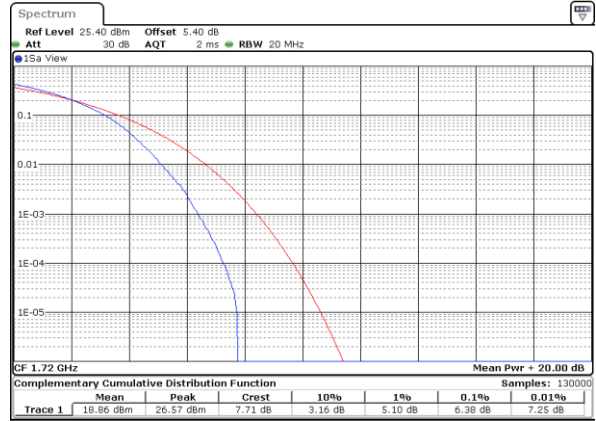


LTE Band 66 / 20MHz / 64QAM

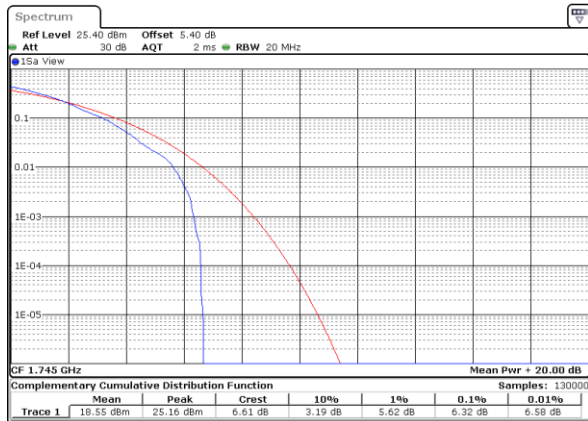
Lowest Channel / 1RB



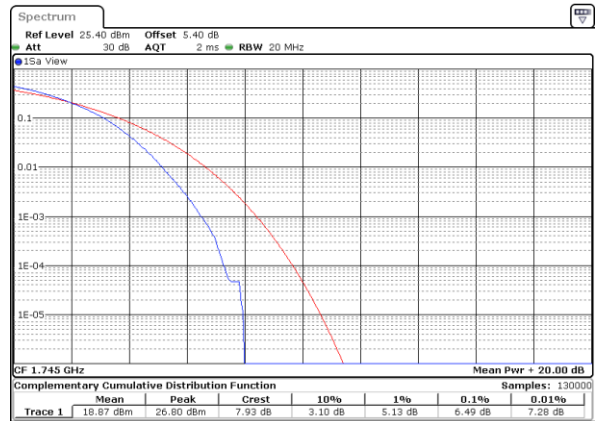
Lowest Channel / Full RB



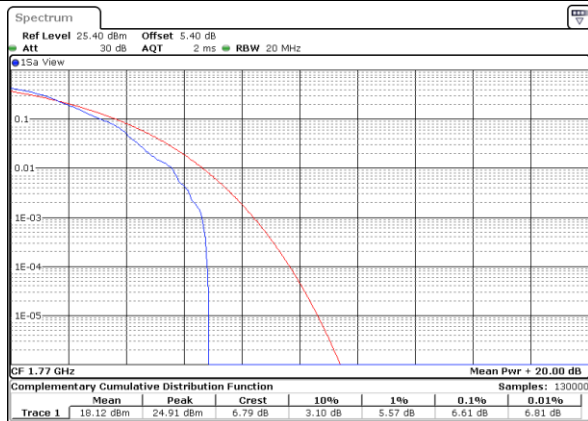
Middle Channel / 1RB



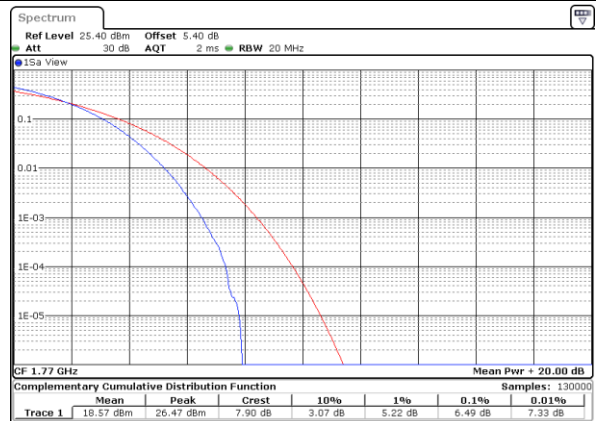
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



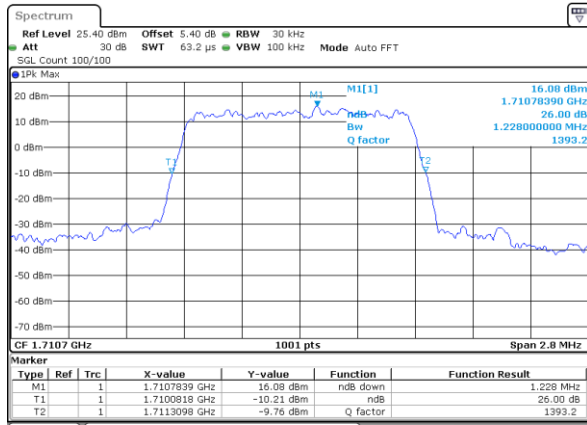
**26dB Bandwidth**

Mode	LTE Band 66 : 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	1.23	1.22	2.97	3.03	4.89	4.89	9.73	9.89	14.48	14.36	20.18	20.26
Middle CH	1.24	1.23	3.05	2.99	4.91	4.91	9.75	9.77	14.63	14.30	20.10	20.14
Highest CH	1.24	1.23	3.06	3.02	4.92	4.91	9.65	9.73	14.27	14.39	20.22	20.10
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.00	-	4.88	-	9.99	-	14.33	-	20.10	-
Middle CH	1.23	-	2.98	-	4.86	-	9.69	-	14.48	-	20.22	-
Highest CH	1.22	-	3.03	-	4.89	-	9.83	-	14.36	-	20.14	-

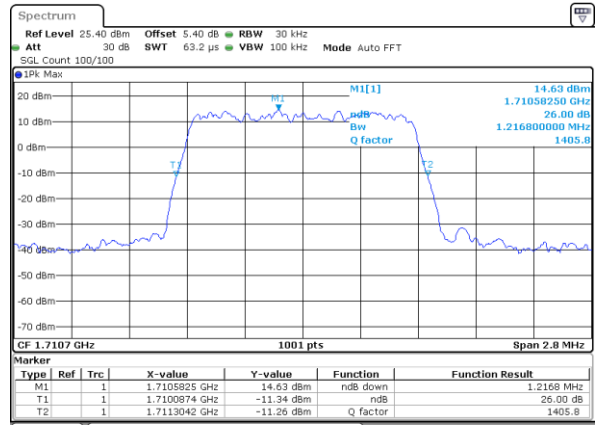


LTE Band 66

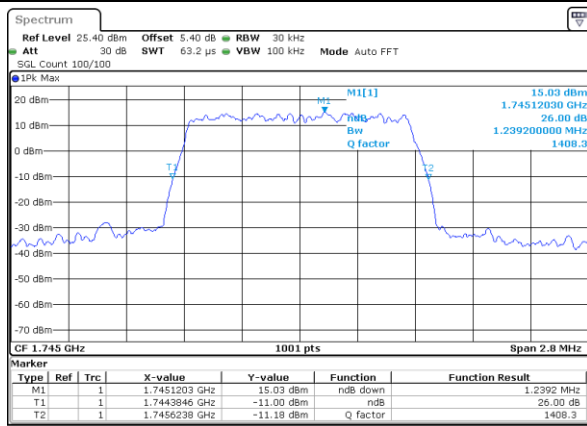
Lowest Channel / 1.4MHz / QPSK



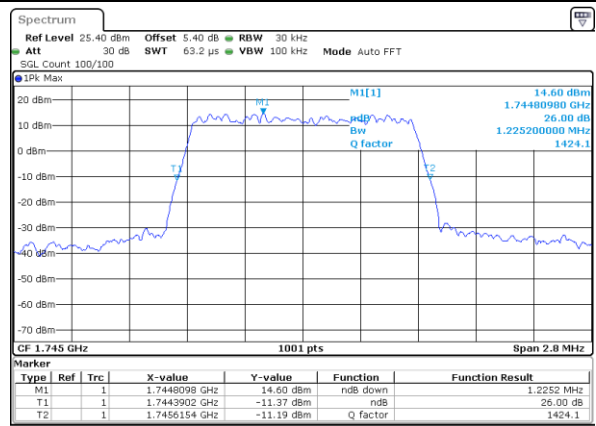
Lowest Channel / 1.4MHz / 16QAM



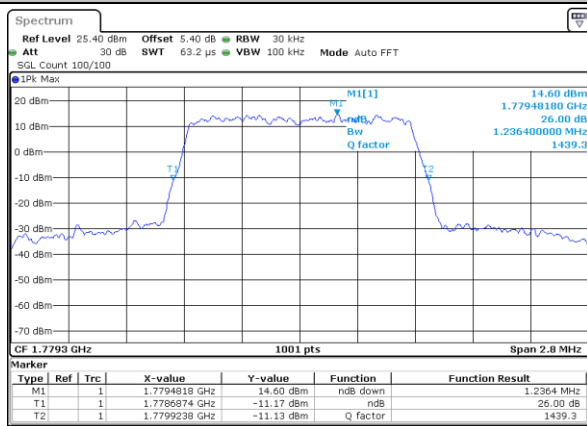
Middle Channel / 1.4MHz / QPSK



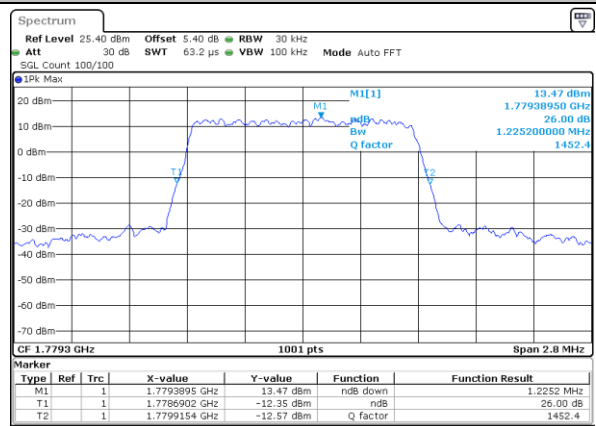
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



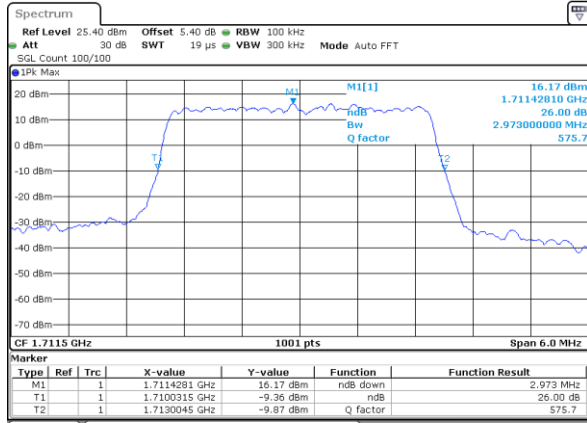
Highest Channel / 1.4MHz / 16QAM





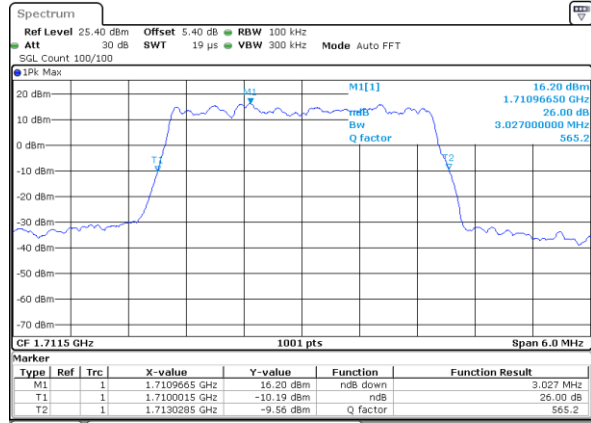
LTE Band 66

Lowest Channel / 3MHz / QPSK



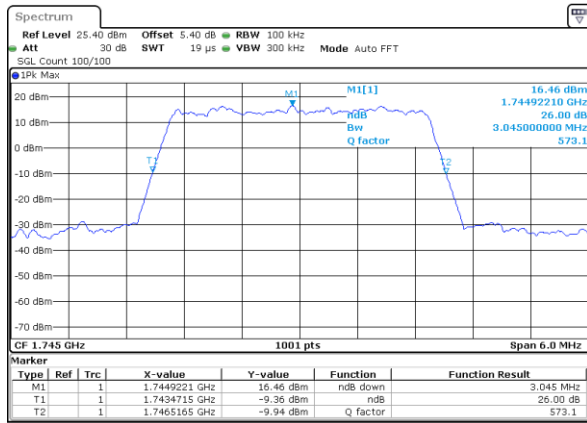
Date: 11 AUG 2020 07:19:36

Lowest Channel / 3MHz / 16QAM



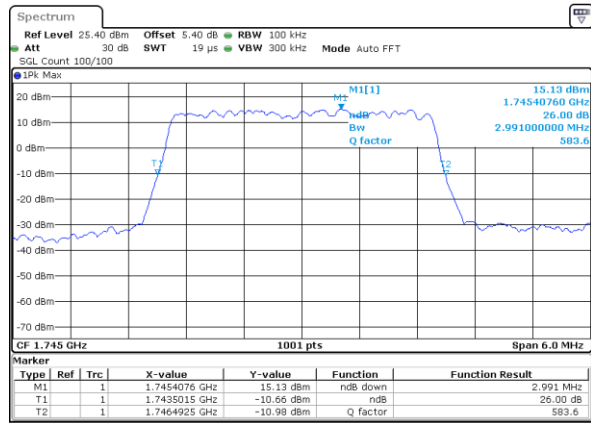
Date: 11 AUG 2020 07:17:56

Middle Channel / 3MHz / QPSK



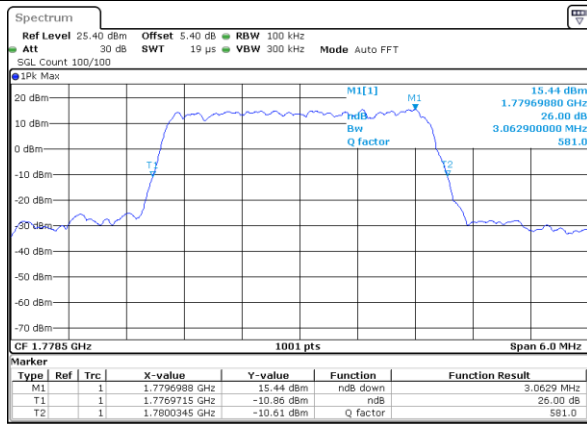
Date: 11 AUG 2020 06:56:36

Middle Channel / 3MHz / 16QAM



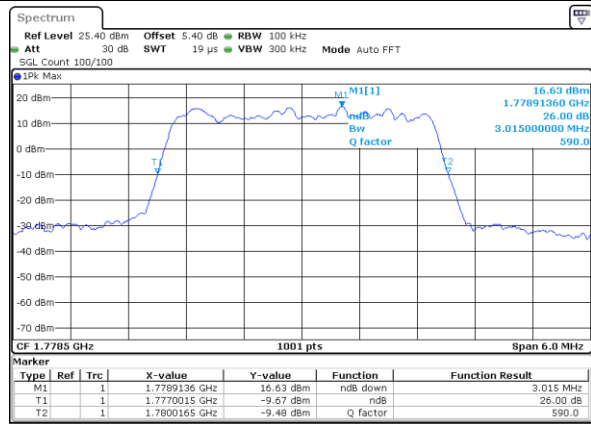
Date: 11 AUG 2020 06:56:54

Highest Channel / 3MHz / QPSK



Date: 11 AUG 2020 07:30:32

Highest Channel / 3MHz / 16QAM

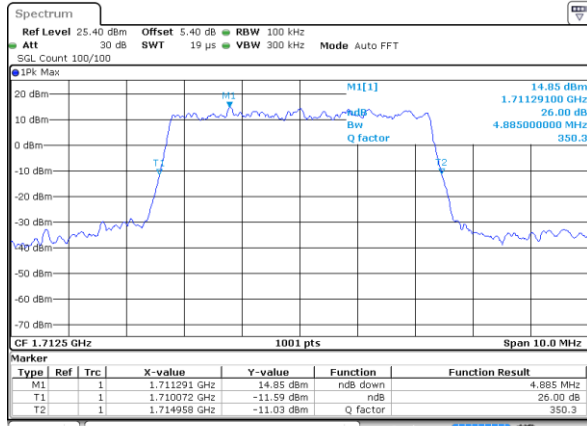


Date: 11 AUG 2020 07:29:43



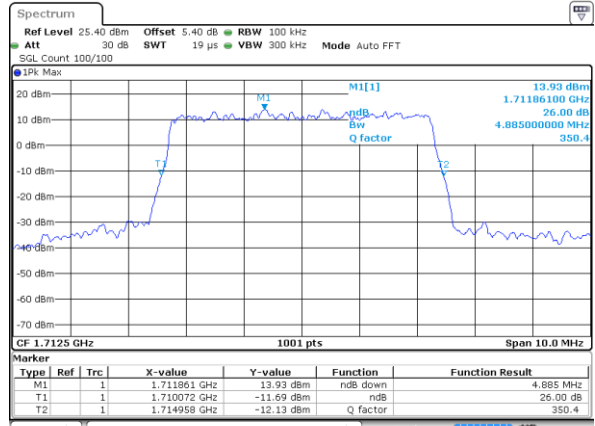
LTE Band 66

Lowest Channel / 5MHz / QPSK



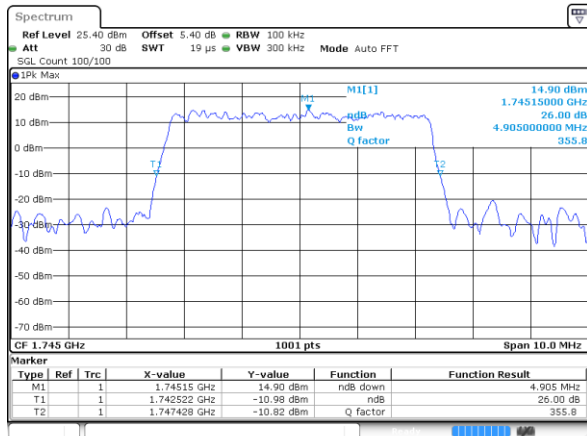
Date: 11 AUG 2020 05:45:40

Lowest Channel / 5MHz / 16QAM



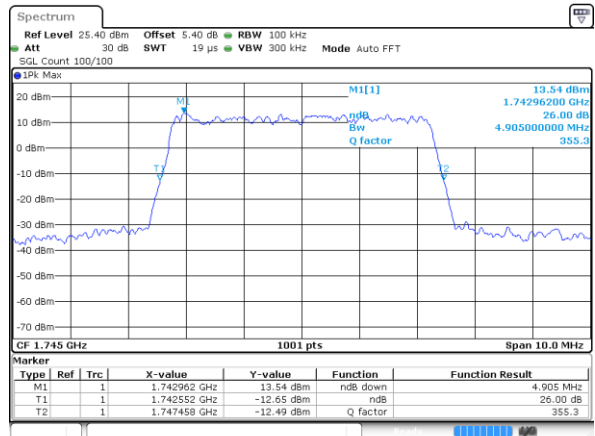
Date: 11 AUG 2020 05:46:12

Middle Channel / 5MHz / QPSK



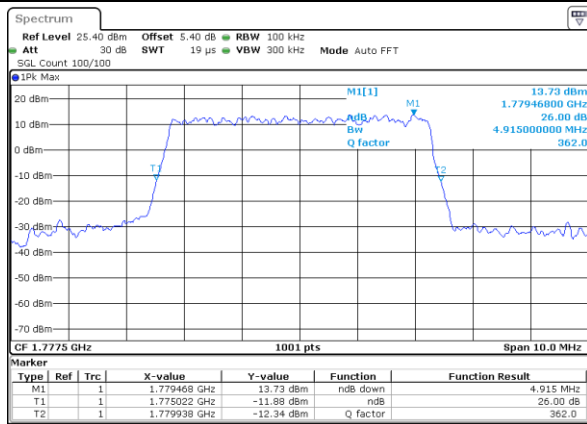
Date: 11 AUG 2020 05:34:49

Middle Channel / 5MHz / 16QAM



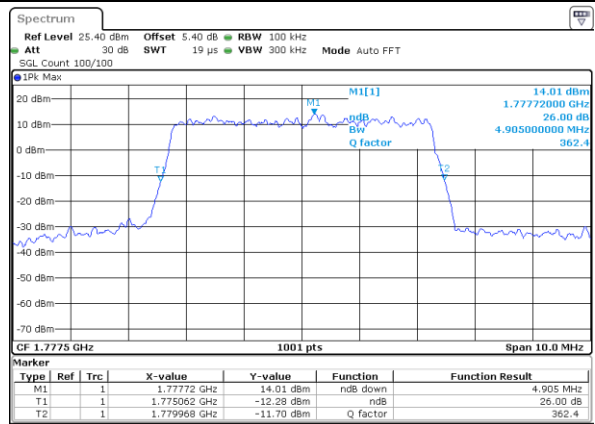
Date: 11 AUG 2020 05:35:19

Highest Channel / 5MHz / QPSK



Date: 11 AUG 2020 05:56:11

Highest Channel / 5MHz / 16QAM

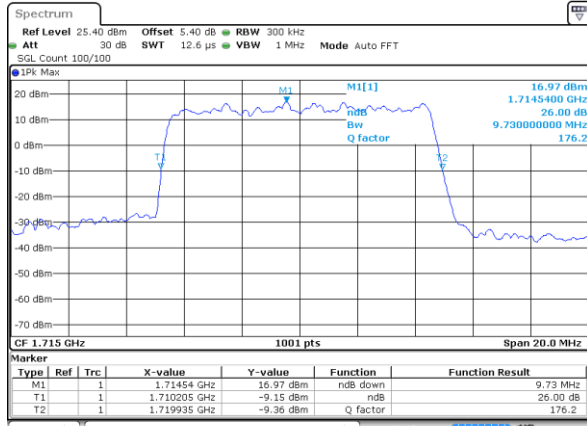


Date: 11 AUG 2020 05:57:08



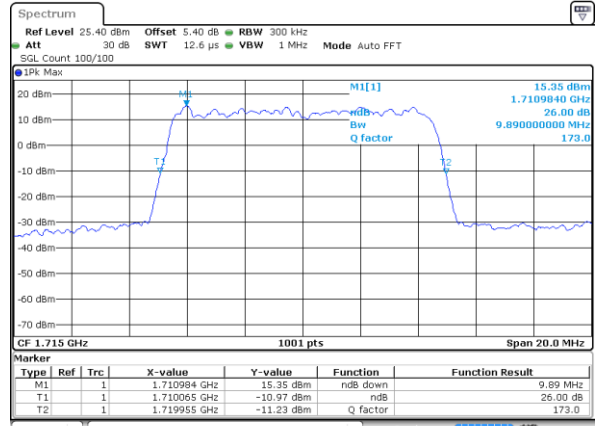
LTE Band 66

Lowest Channel / 10MHz / QPSK



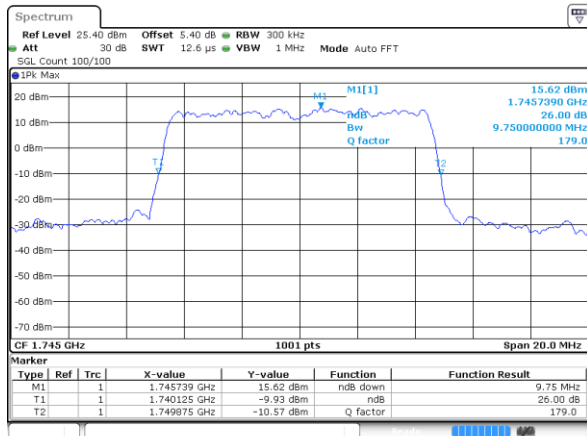
Date: 11 AUG 2020 06:06:49

Lowest Channel / 10MHz / 16QAM



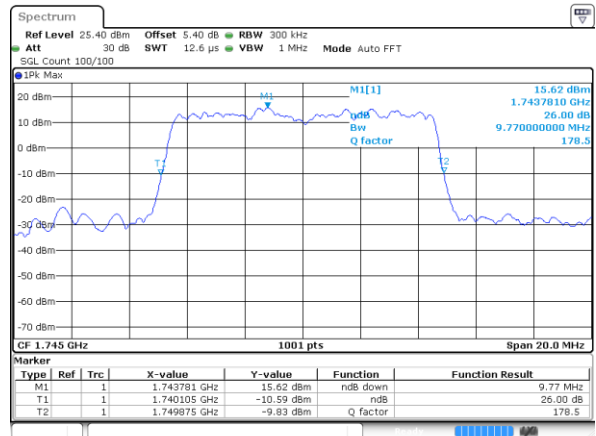
Date: 11 AUG 2020 06:07:27

Middle Channel / 10MHz / QPSK



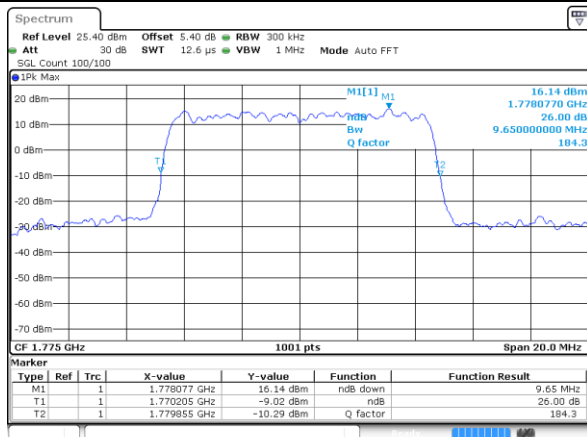
Date: 11 AUG 2020 05:59:40

Middle Channel / 10MHz / 16QAM



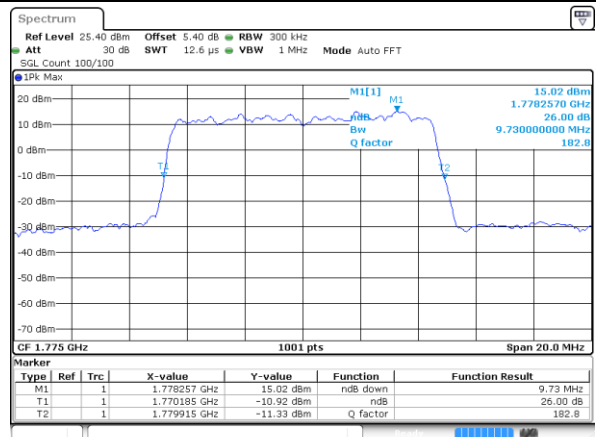
Date: 11 AUG 2020 05:59:19

Highest Channel / 10MHz / QPSK



Date: 11 AUG 2020 06:10:04

Highest Channel / 10MHz / 16QAM

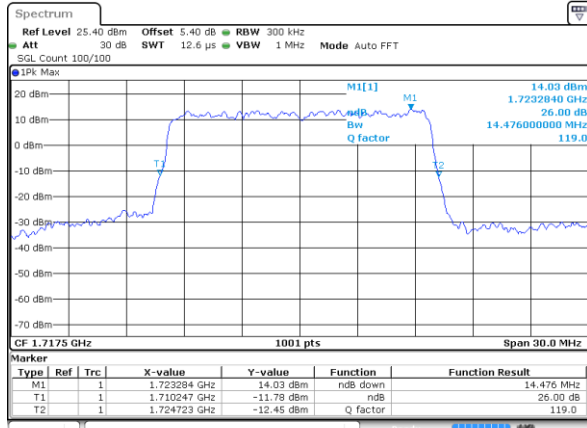


Date: 11 AUG 2020 06:09:24

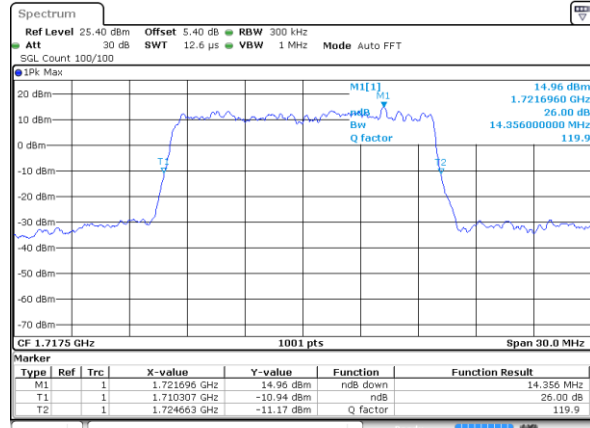


LTE Band 66

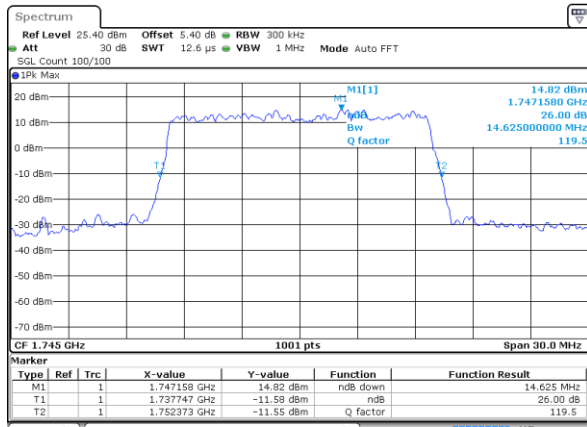
Lowest Channel / 15MHz / QPSK



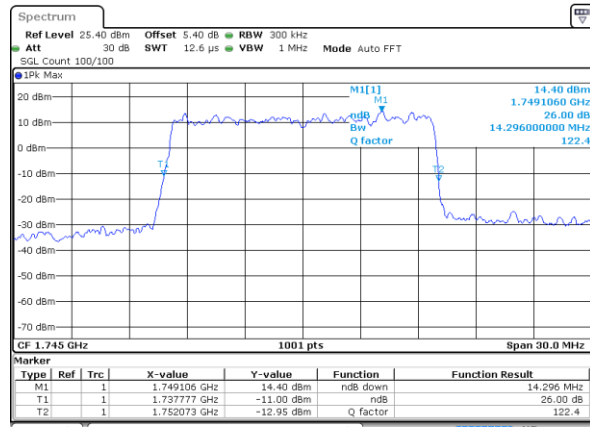
Lowest Channel / 15MHz / 16QAM



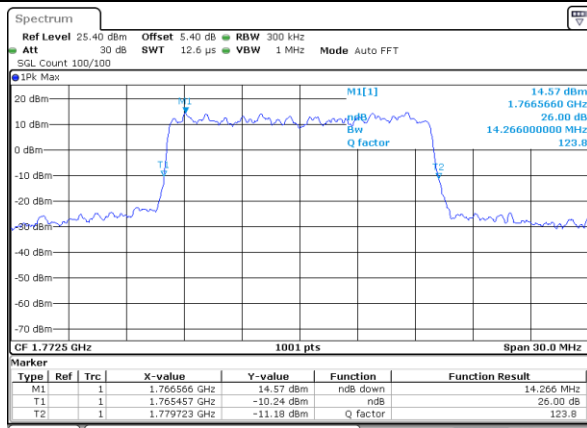
Middle Channel / 15MHz / QPSK



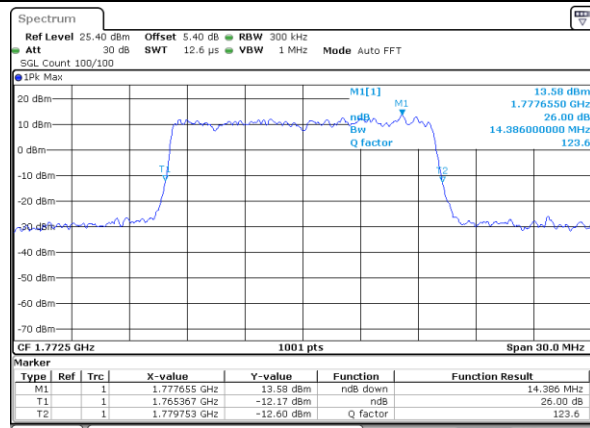
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



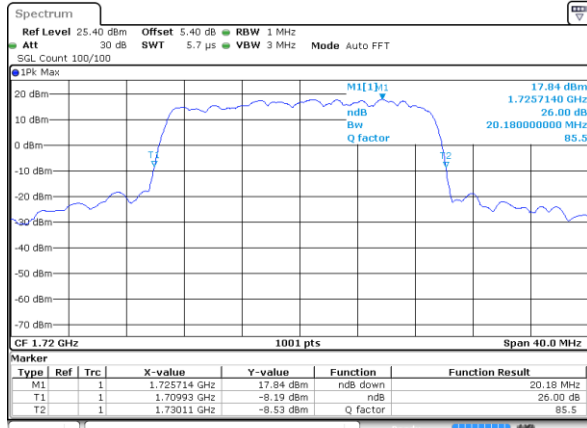
Highest Channel / 15MHz / 16QAM





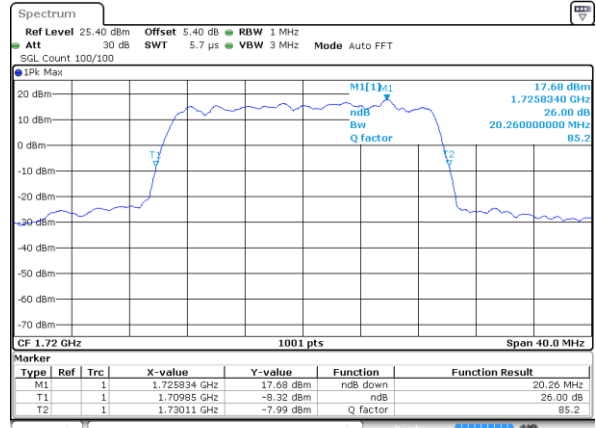
LTE Band 66

Lowest Channel / 20MHz / QPSK



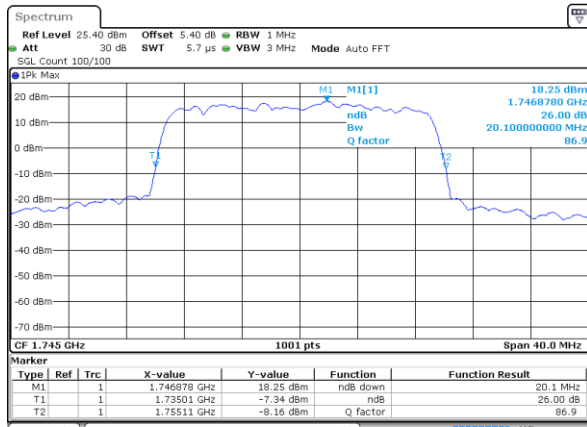
Date: 11 AUG 2020 06:44:54

Lowest Channel / 20MHz / 16QAM



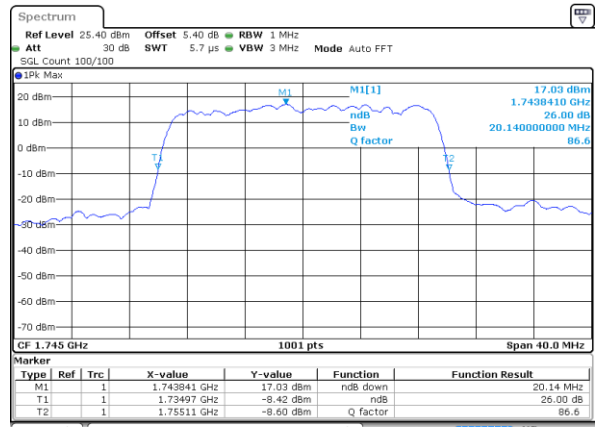
Date: 11 AUG 2020 06:45:48

Middle Channel / 20MHz / QPSK



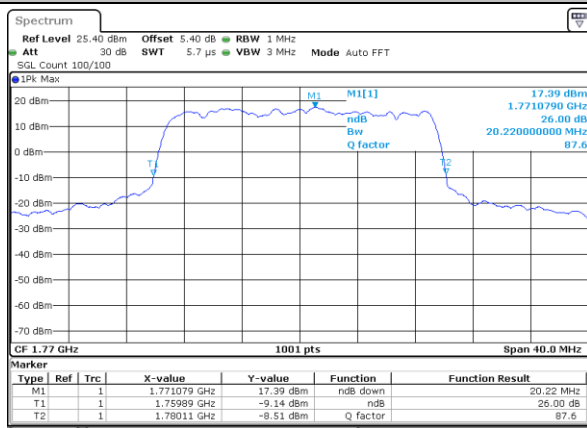
Date: 11 AUG 2020 06:35:38

Middle Channel / 20MHz / 16QAM



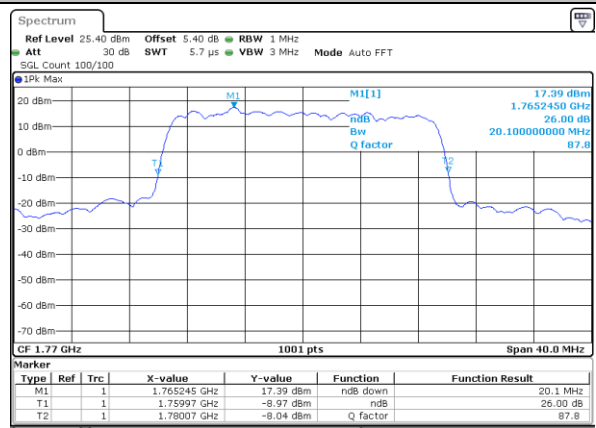
Date: 11 AUG 2020 06:35:13

Highest Channel / 20MHz / QPSK



Date: 11 AUG 2020 06:50:04

Highest Channel / 20MHz / 16QAM

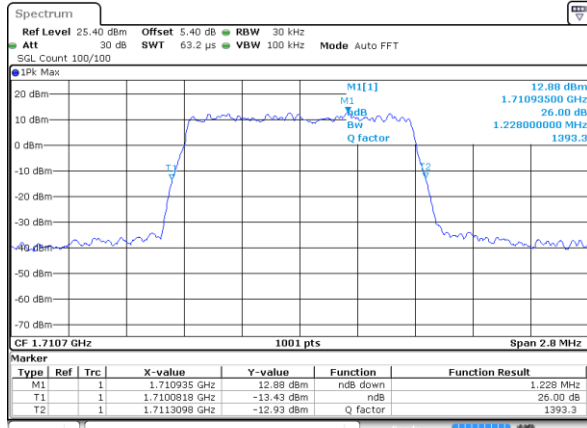


Date: 11 AUG 2020 06:48:51

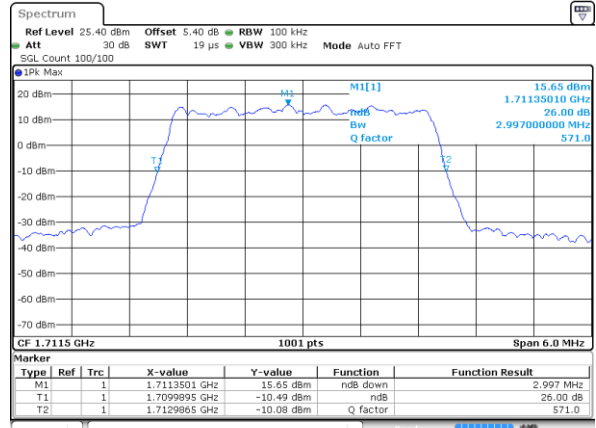


LTE Band 66

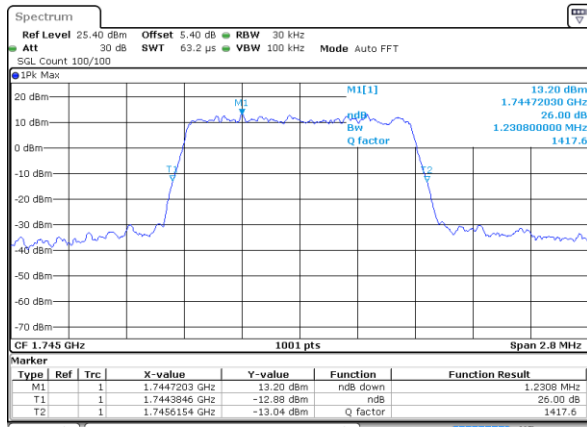
Lowest Channel / 1.4MHz / 64QAM



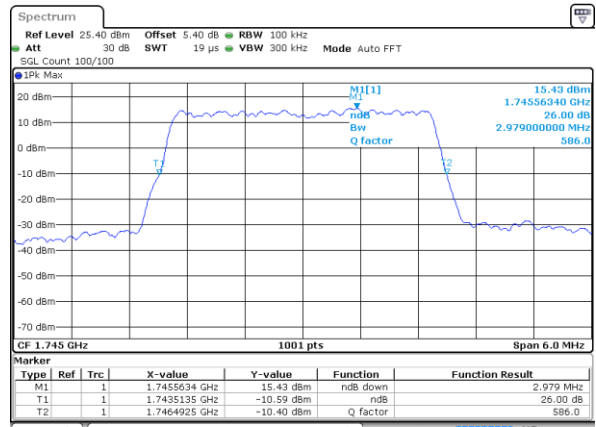
Lowest Channel / 3MHz / 64QAM



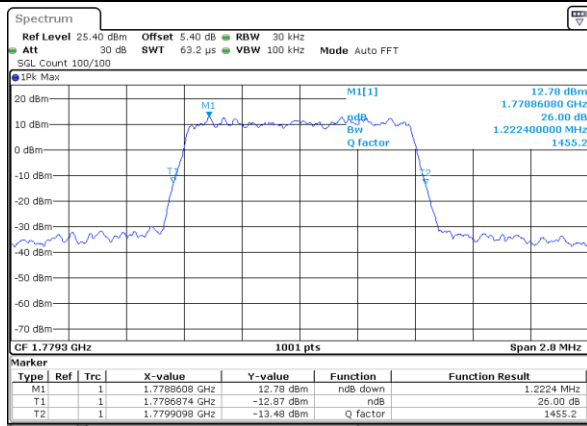
Middle Channel / 20MHz / 64QAM



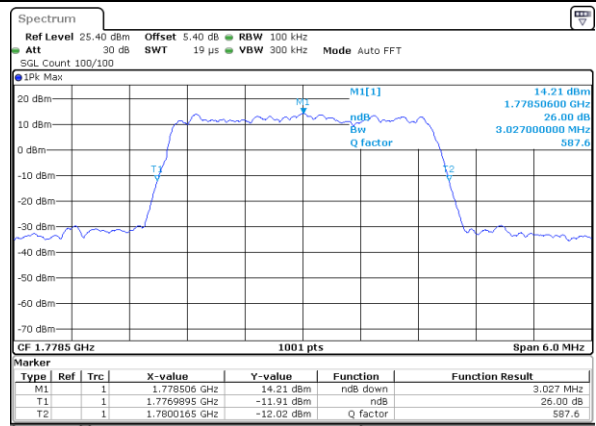
Middle Channel / 3MHz / 64QAM



Highest Channel / 20MHz / 64QAM



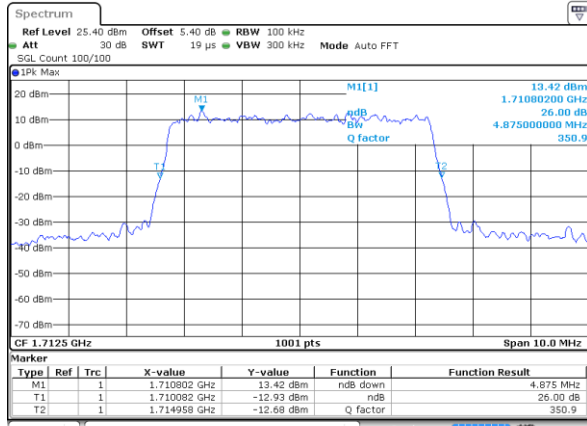
Highest Channel / 3MHz / 64QAM



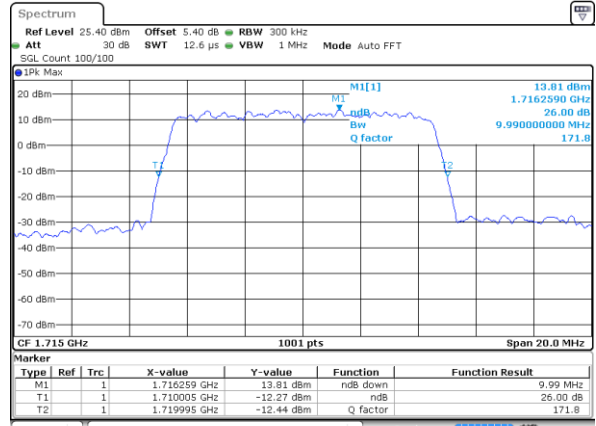


LTE Band 66

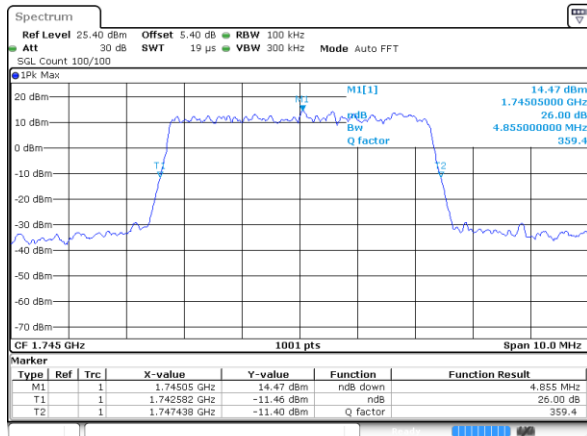
Lowest Channel / 5MHz / 64QAM



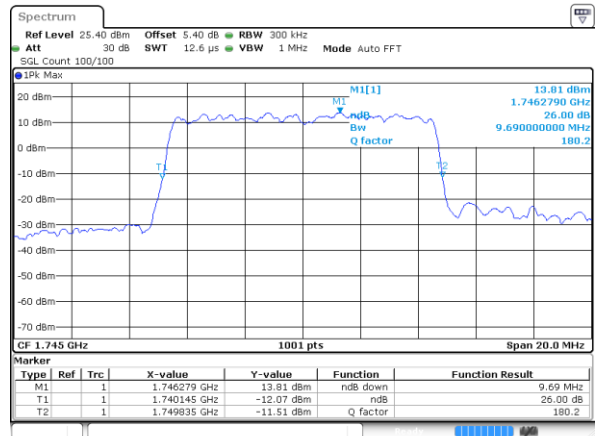
Lowest Channel / 10MHz / 64QAM



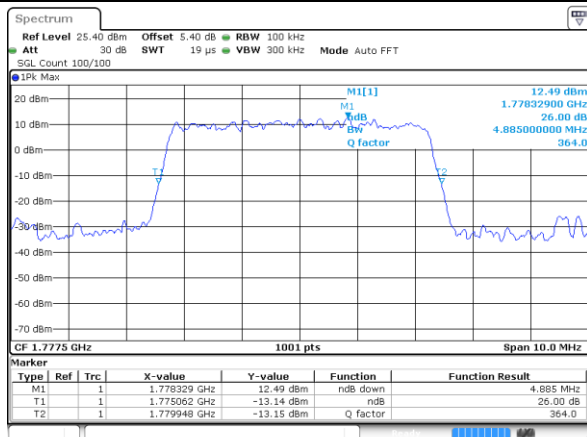
Middle Channel / 5MHz / 64QAM



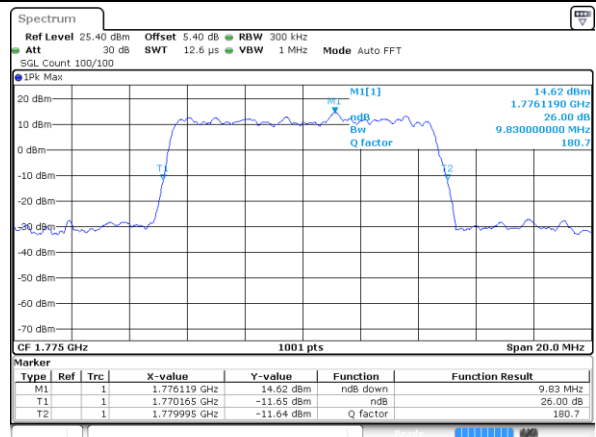
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



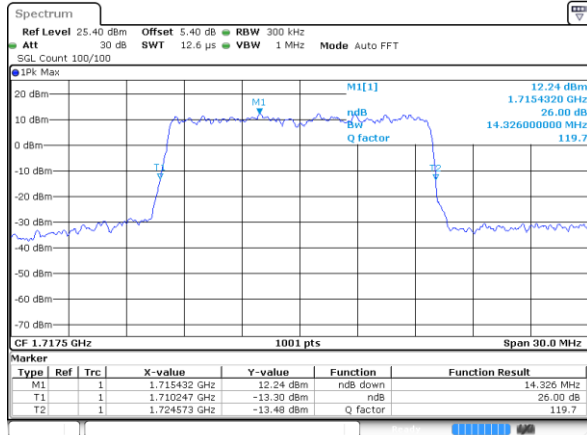
Highest Channel / 10MHz / 64QAM





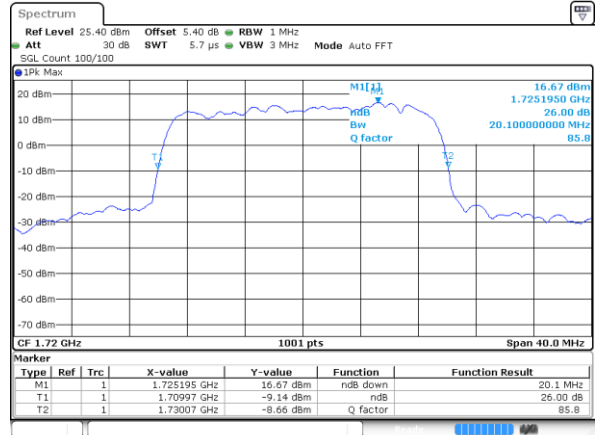
LTE Band 66

Lowest Channel / 15MHz / 64QAM



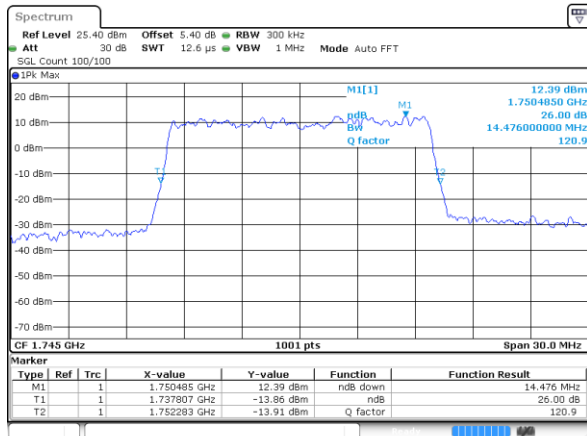
Date: 11 AUG 2020 06:25:50

Lowest Channel / 20MHz / 64QAM



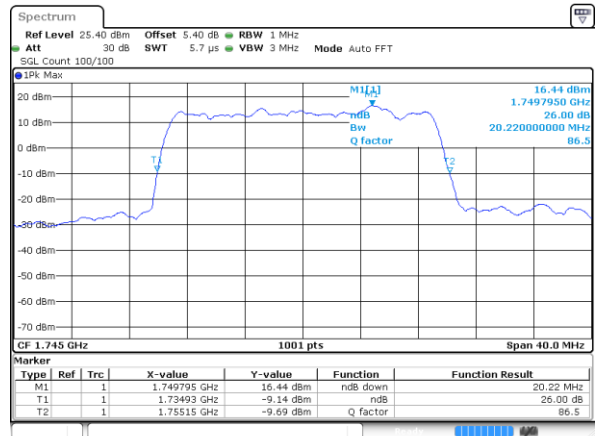
Date: 11 AUG 2020 06:46:57

Middle Channel / 15MHz / 64QAM



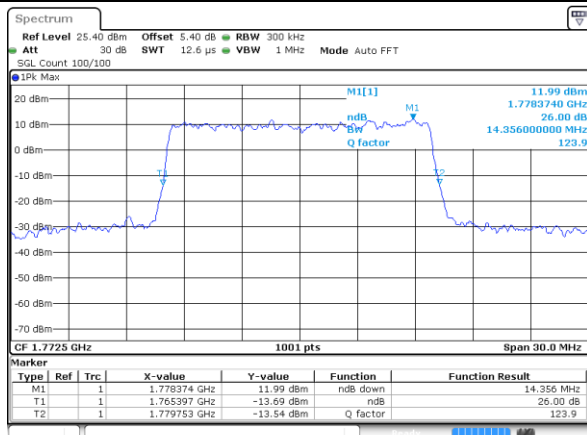
Date: 11 AUG 2020 06:17:34

Middle Channel / 20MHz / 64QAM



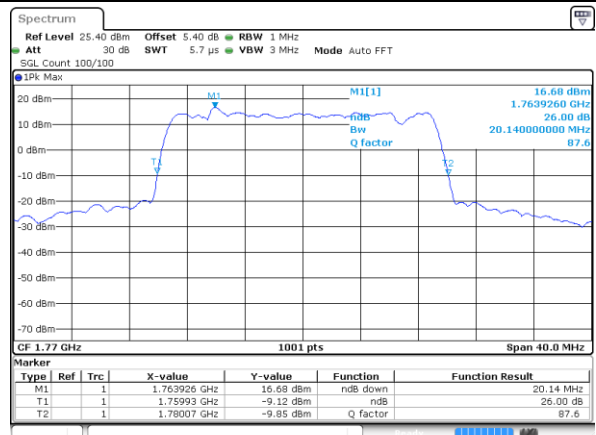
Date: 11 AUG 2020 06:34:02

Highest Channel / 15MHz / 64QAM



Date: 11 AUG 2020 06:26:46

Highest Channel / 20MHz / 64QAM



Date: 11 AUG 2020 06:47:46

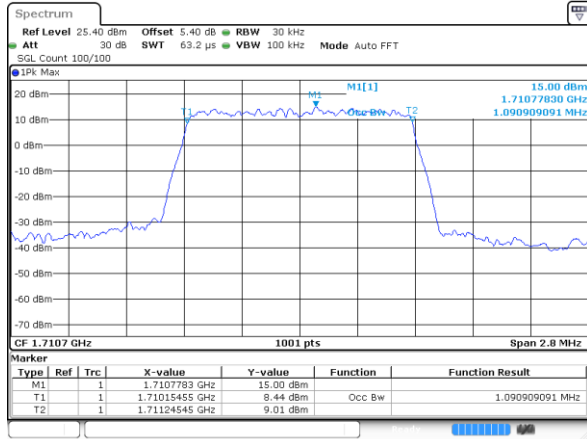
**Occupied Bandwidth**

Mode	LTE Band 66 : 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	1.09	1.09	2.71	2.71	4.50	4.50	9.01	8.95	13.49	13.49	18.30	18.22
Middle CH	1.08	1.08	2.71	2.71	4.51	4.49	9.03	9.03	13.46	13.49	18.34	18.30
Highest CH	1.09	1.09	2.73	2.72	4.49	4.50	8.99	8.99	13.52	13.46	18.38	18.38
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.74	-	4.50	-	8.97	-	13.49	-	18.30	-
Middle CH	1.09	-	2.70	-	4.50	-	9.07	-	13.43	-	18.34	-
Highest CH	1.09	-	2.72	-	4.52	-	9.05	-	13.40	-	18.34	-

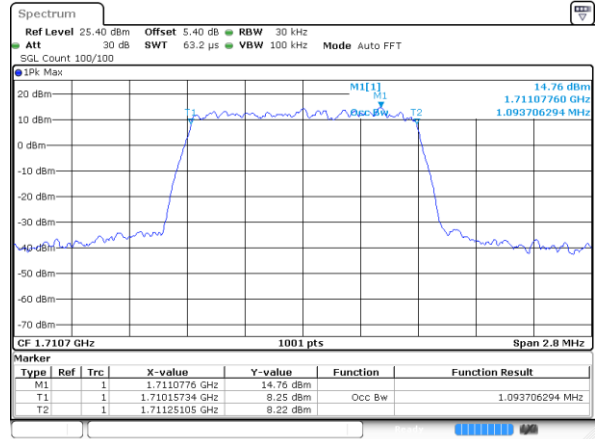


LTE Band 66

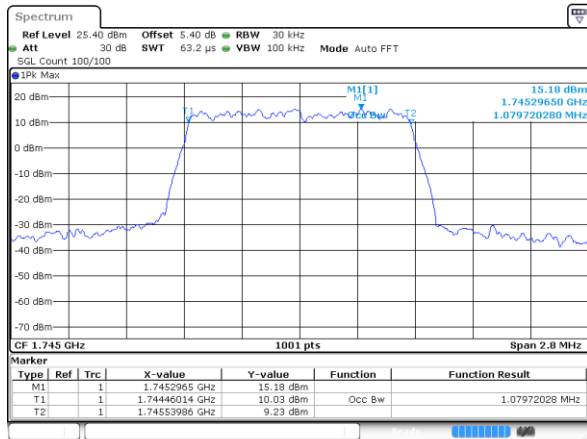
Lowest Channel / 1.4MHz / QPSK



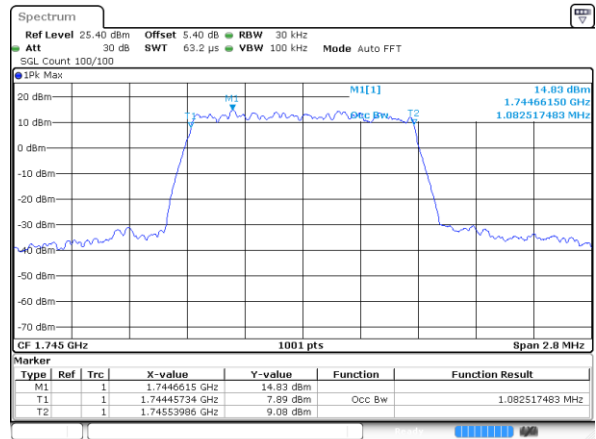
Lowest Channel / 1.4MHz / 16QAM



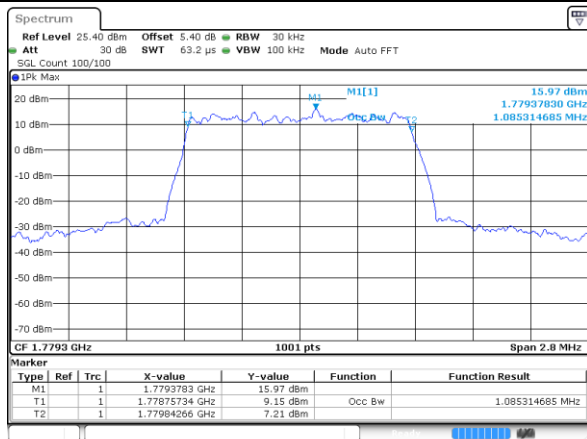
Middle Channel / 1.4MHz / QPSK



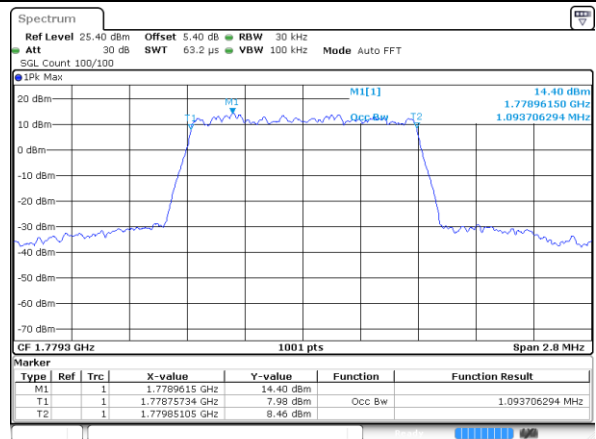
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



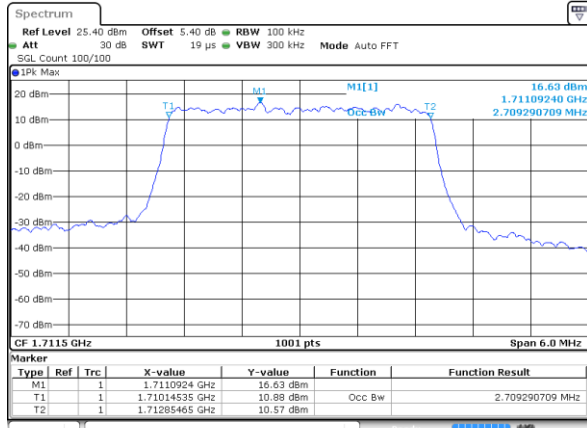
Highest Channel / 1.4MHz / 16QAM





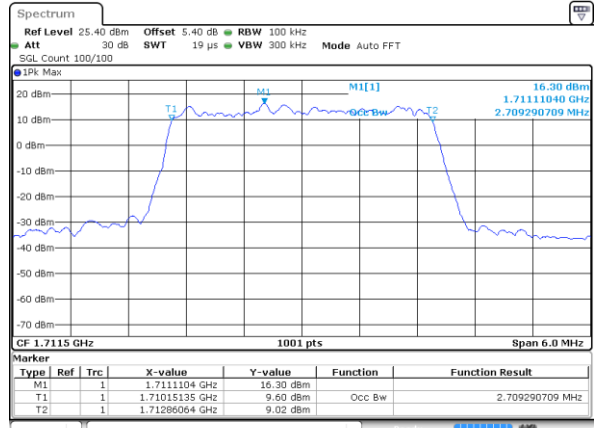
LTE Band 66

Lowest Channel / 3MHz / QPSK



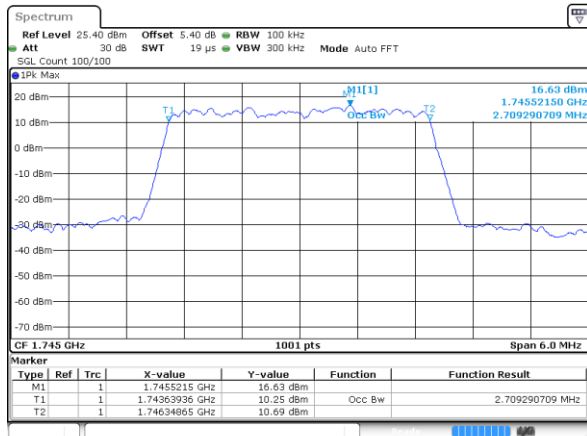
Date: 11 AUG 2020 07:19:28

Lowest Channel / 3MHz / 16QAM



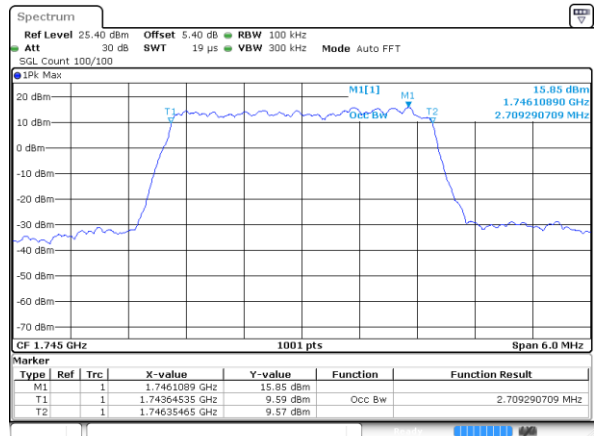
Date: 11 AUG 2020 07:17:50

Middle Channel / 3MHz / QPSK



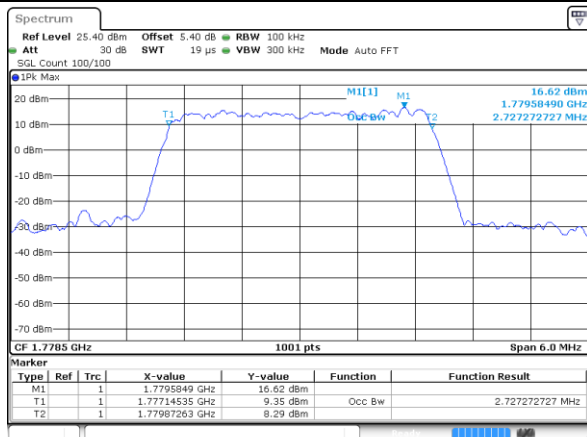
Date: 11 AUG 2020 06:56:30

Middle Channel / 3MHz / 16QAM



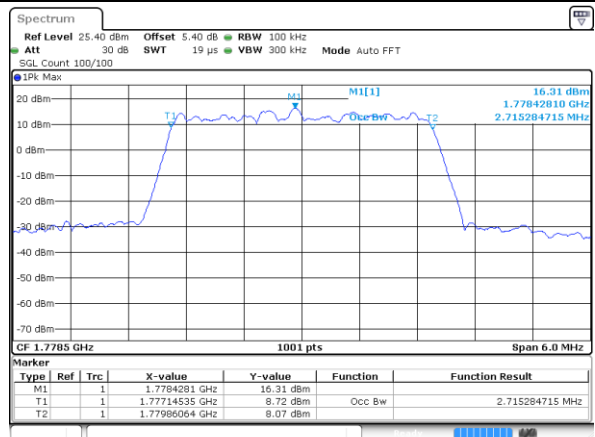
Date: 11 AUG 2020 06:56:49

Highest Channel / 3MHz / QPSK



Date: 11 AUG 2020 07:30:27

Highest Channel / 3MHz / 16QAM



Date: 11 AUG 2020 07:29:38