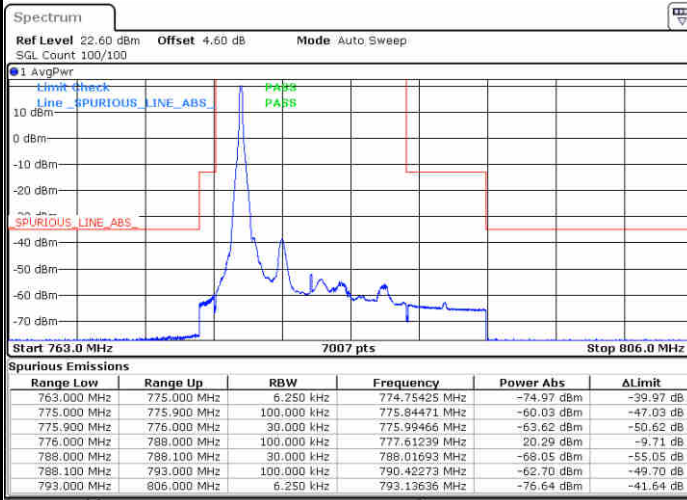




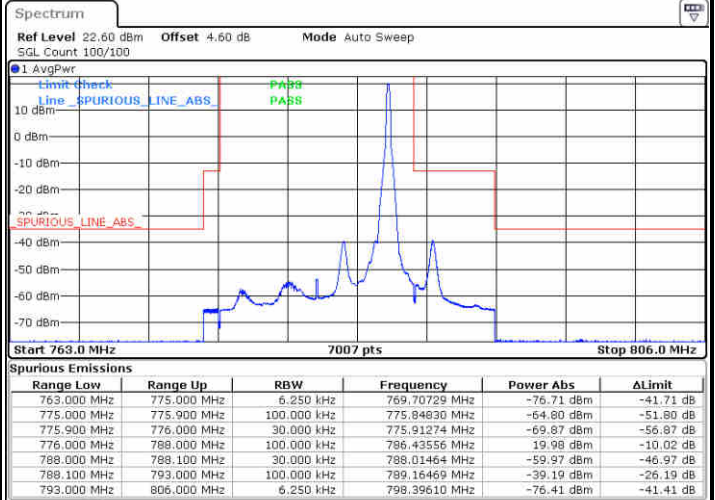
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



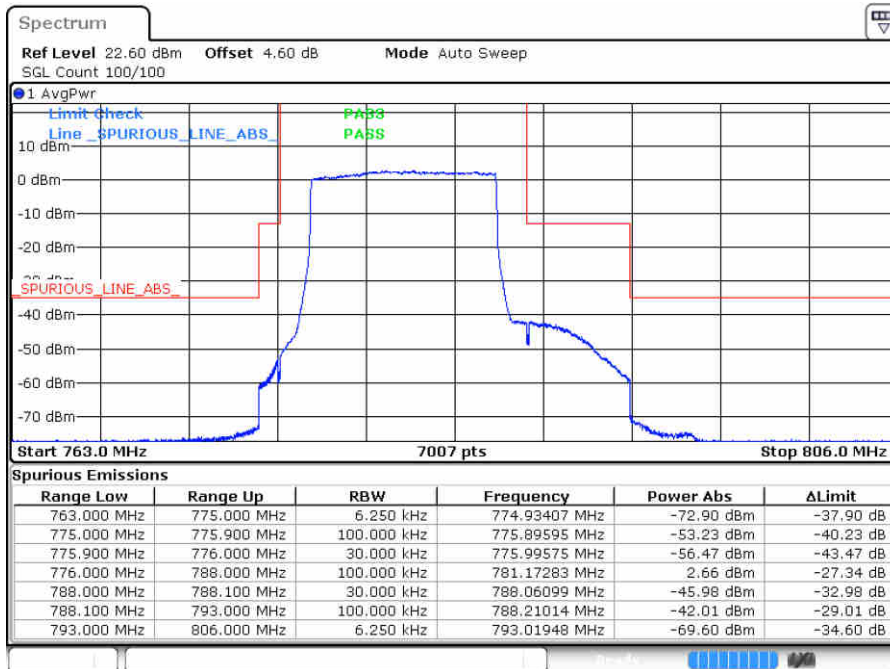
Date: 26 JUN 2020 04:56:44

Highest Band Edge / 1 RB



Date: 26 JUN 2020 04:58:21

Band Edge / Full RB



Date: 26 JUN 2020 04:59:59

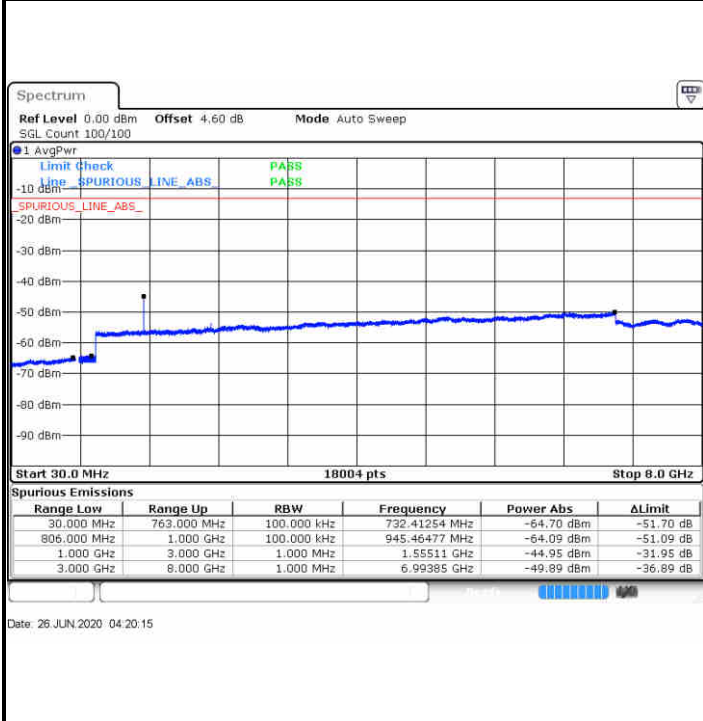


Conducted Spurious Emission

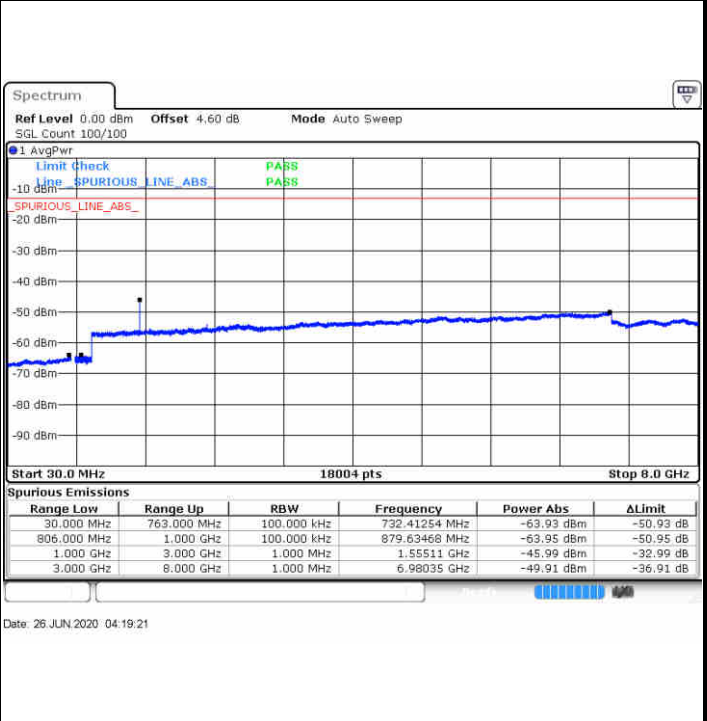


LTE Band 13 / 5MHz

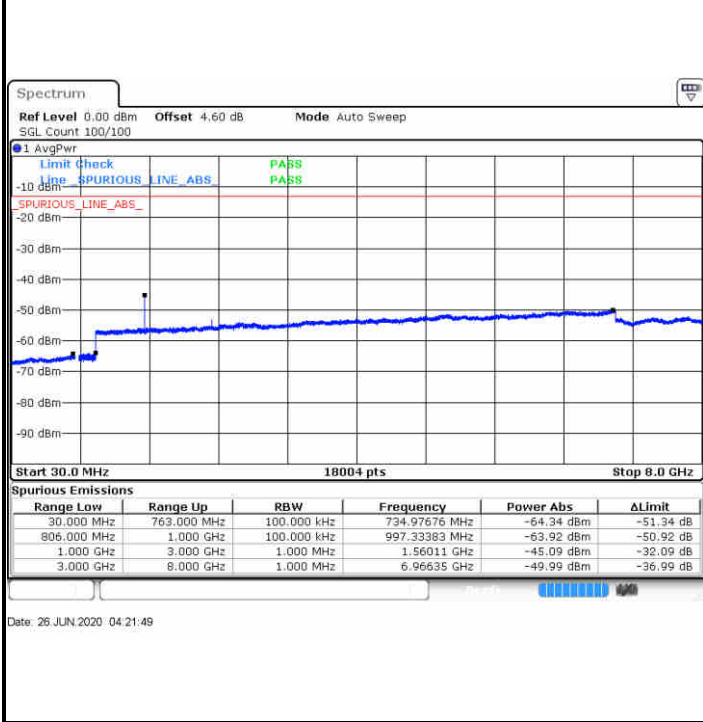
Lowest Channel / QPSK



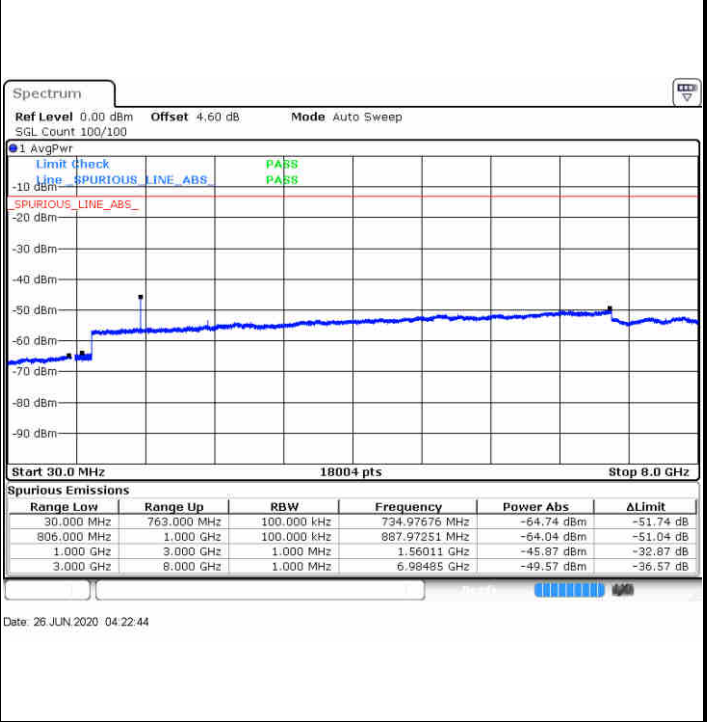
Lowest Channel / 16QAM



Middle Channel / QPSK



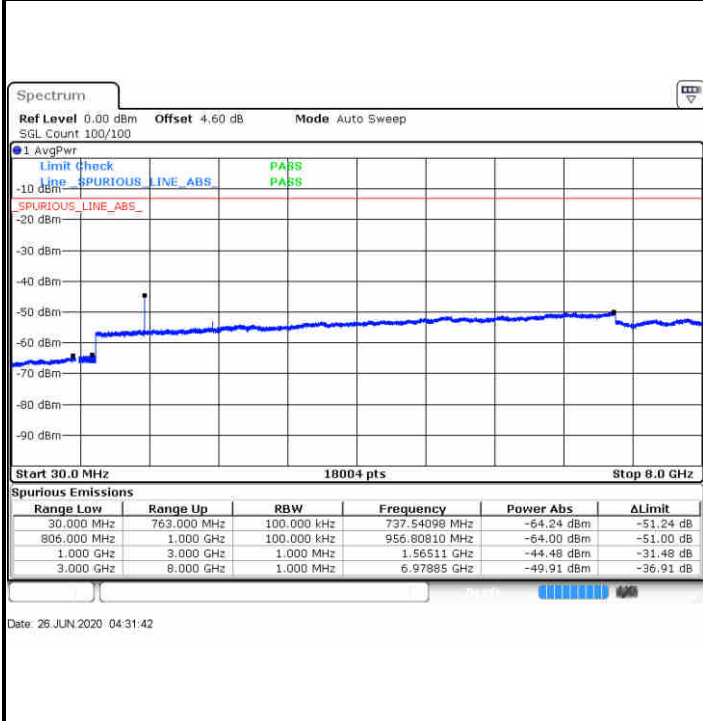
Middle Channel / 16QAM



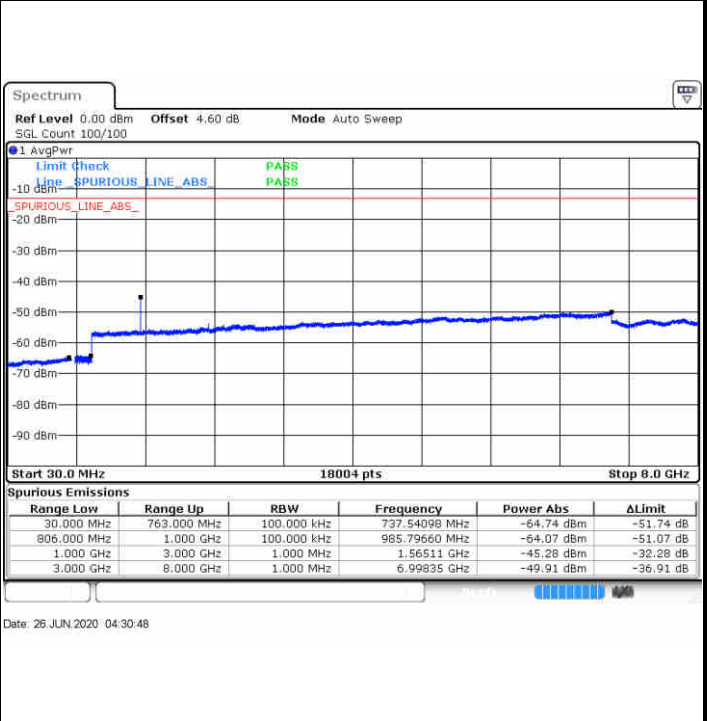


LTE Band 13 / 5MHz

Highest Channel / QPSK

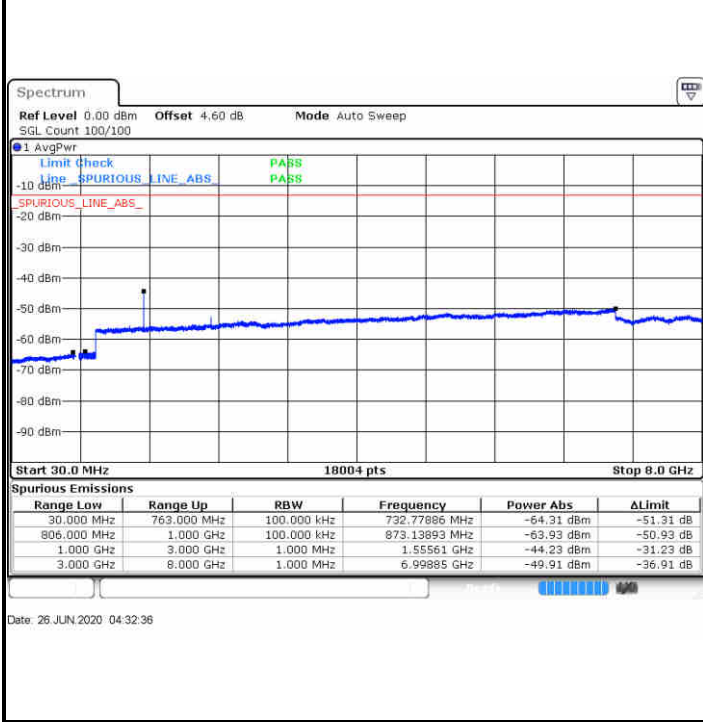


Highest Channel / 16QAM

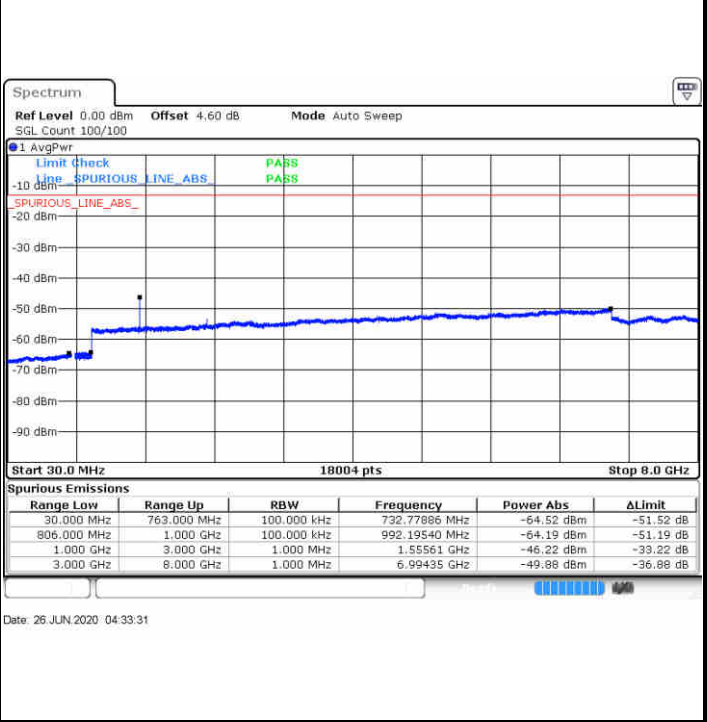


LTE Band 13 / 10MHz

Middle Channel / QPSK



Middle Channel / 16QAM

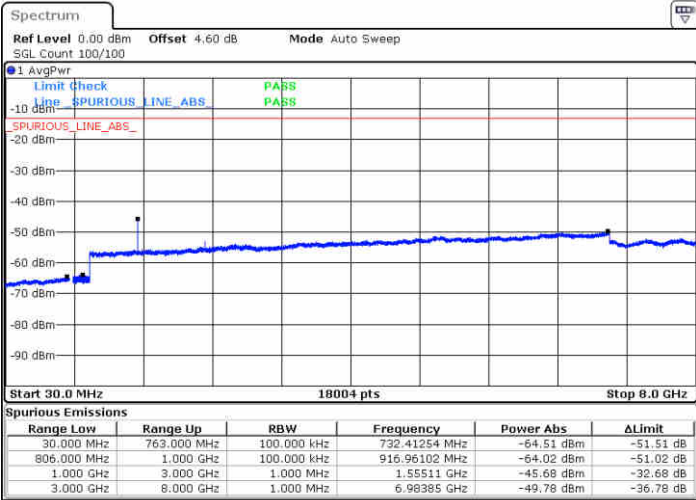




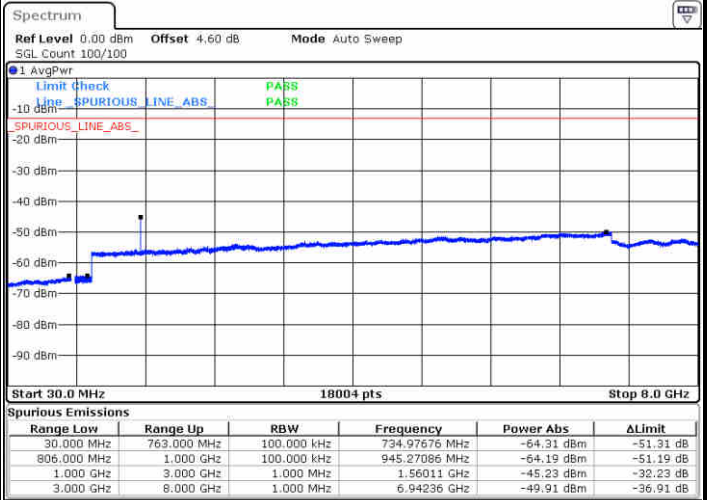
LTE Band 13 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

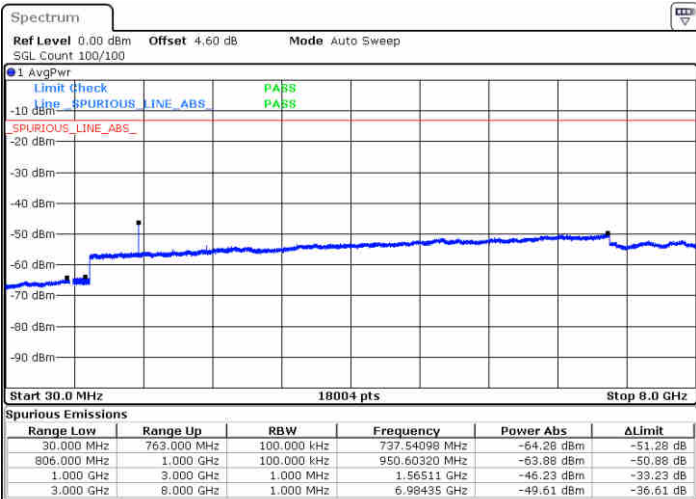


Date: 26 JUN 2020 04:52:57



Date: 26 JUN 2020 04:53:51

Highest Channel / 64QAM

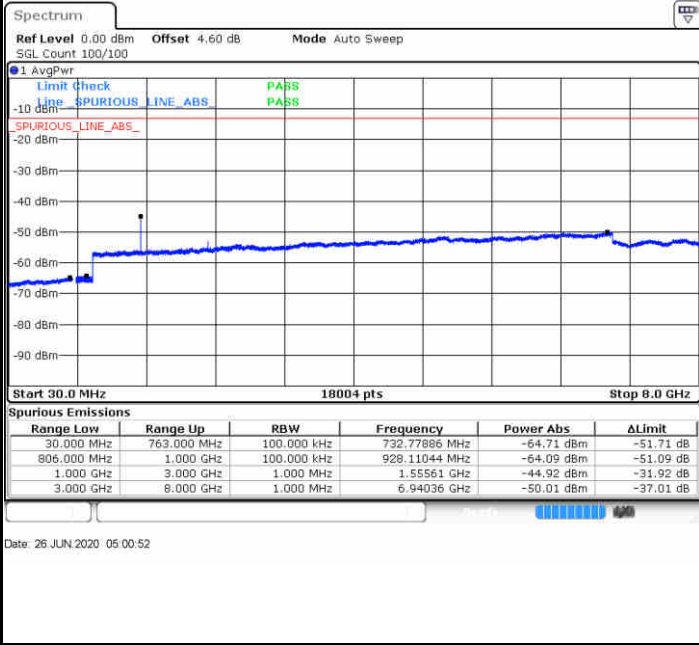


Date: 26 JUN 2020 04:54:45



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	0.0014	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0054	
20	Battery End Point	0.0028	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 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	4.84	5.16	5.74	PASS
Middle CH	3.54	4.87	5.22	5.80	
Highest CH	3.48	4.75	4.90	5.74	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.35	6.29	-	-	PASS
Middle CH	6.17	6.32	-	-	
Highest CH	6.35	6.23	-	-	



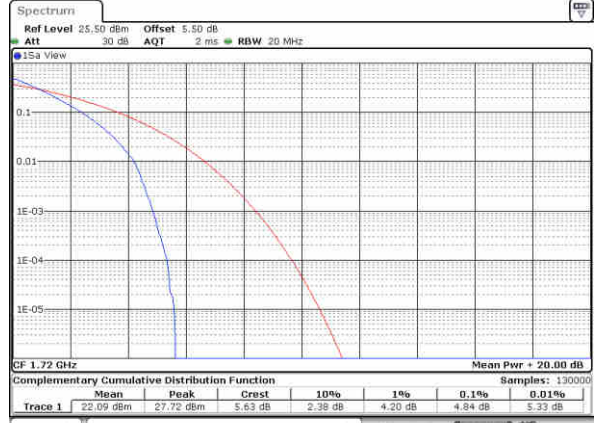
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 26 JUN 2020 13:10:11

Lowest Channel / Full RB



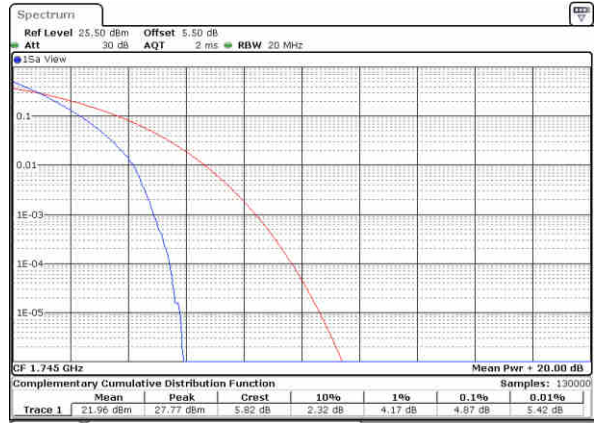
Date: 26 JUN 2020 13:10:19

Middle Channel / 1RB



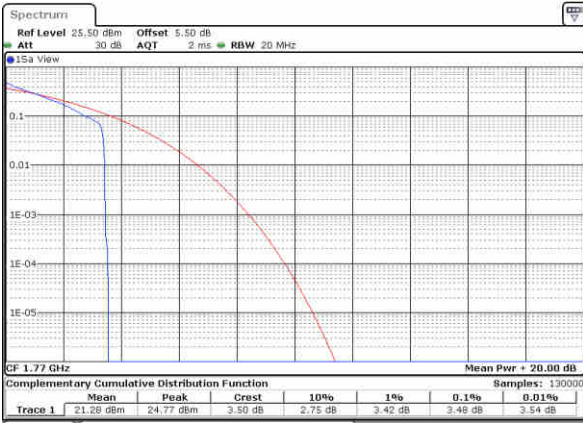
Date: 26 JUN 2020 12:59:25

Middle Channel / Full RB



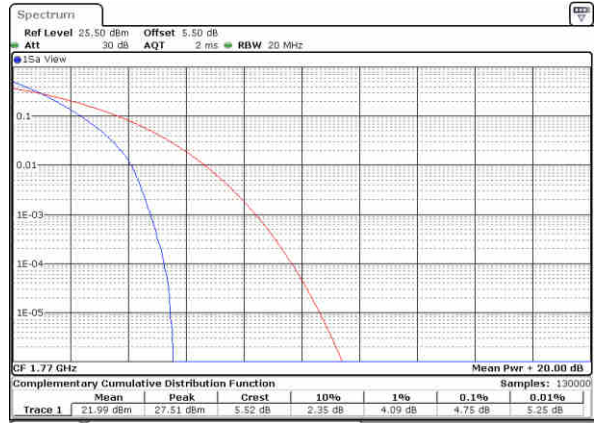
Date: 26 JUN 2020 12:59:16

Highest Channel / 1RB



Date: 26 JUN 2020 12:57:07

Highest Channel / Full RB



Date: 26 JUN 2020 12:55:19



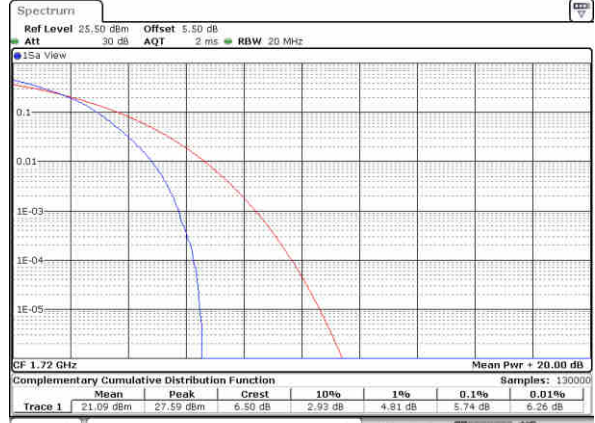
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



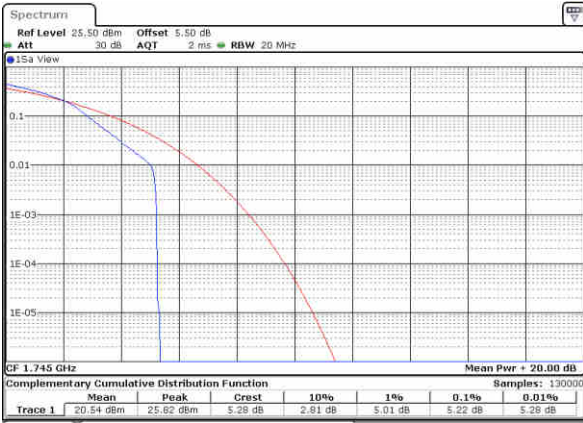
Date: 26 JUN 2020 13:10:21

Lowest Channel / Full RB



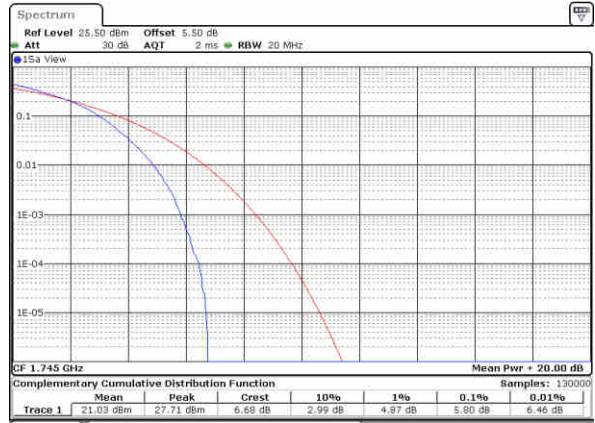
Date: 26 JUN 2020 13:10:50

Middle Channel / 1RB



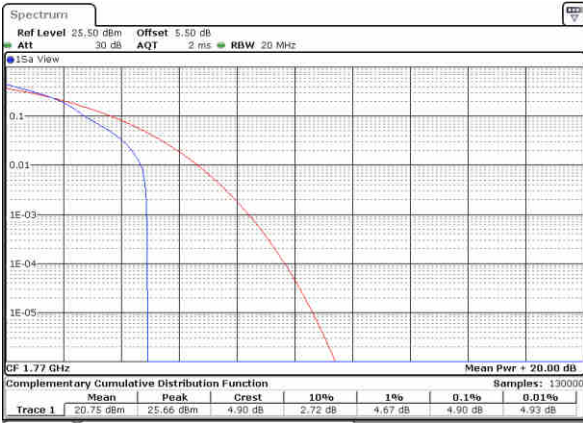
Date: 26 JUN 2020 12:59:36

Middle Channel / Full RB



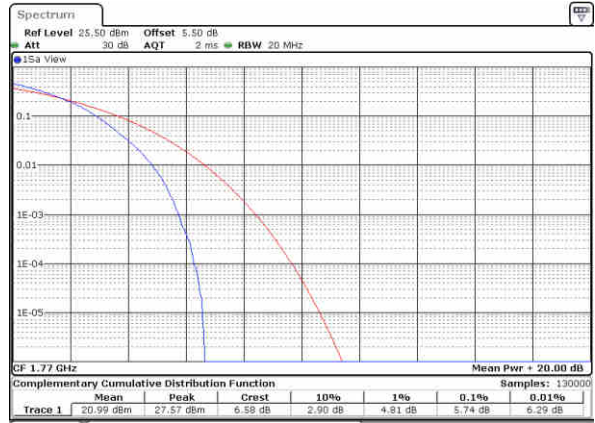
Date: 26 JUN 2020 12:59:32

Highest Channel / 1RB



Date: 26 JUN 2020 12:56:15

Highest Channel / Full RB

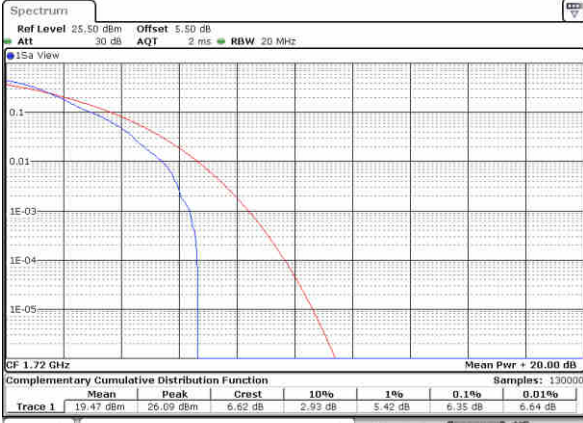


Date: 26 JUN 2020 12:54:19



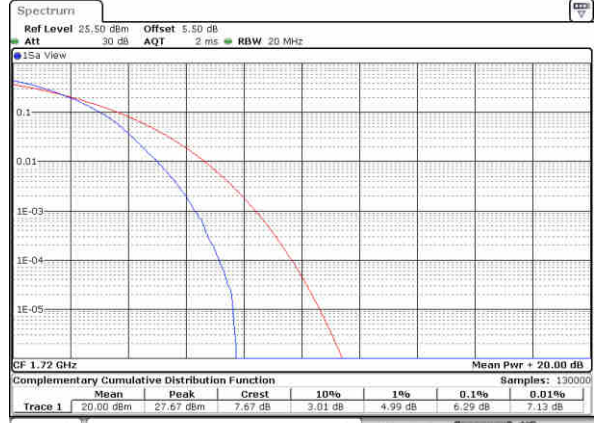
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



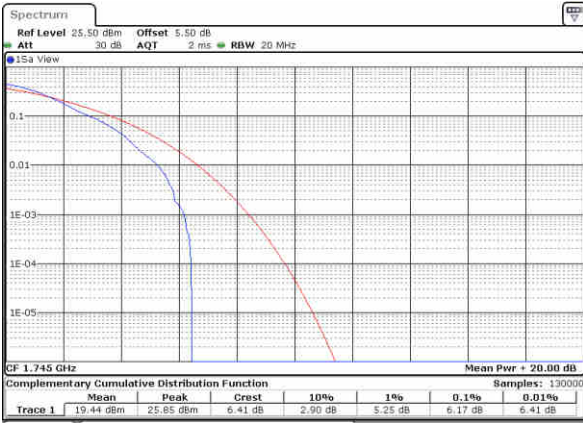
Date: 26 JUN 2020 12:59:50

Lowest Channel / Full RB



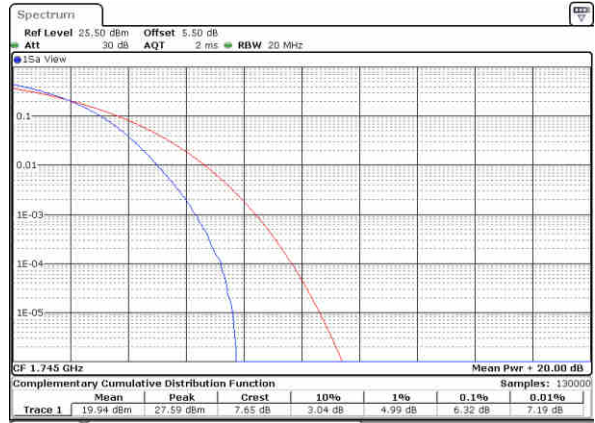
Date: 26 JUN 2020 13:01:01

Middle Channel / 1RB



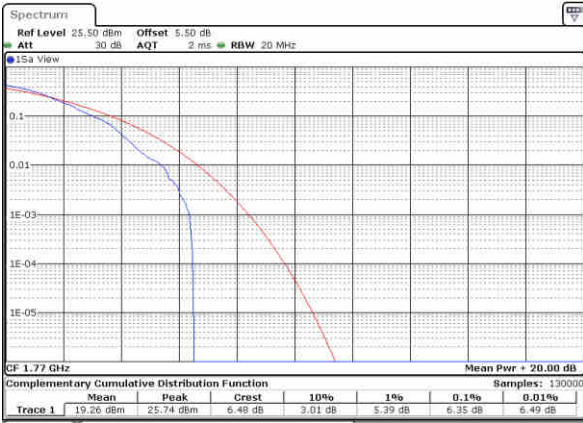
Date: 26 JUN 2020 12:59:47

Middle Channel / Full RB



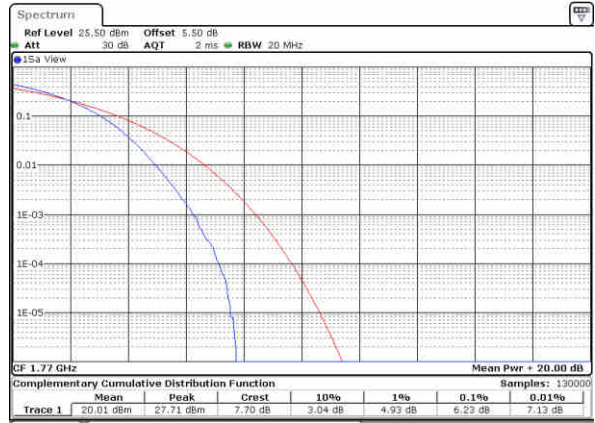
Date: 26 JUN 2020 12:49:53

Highest Channel / 1RB



Date: 26 JUN 2020 12:55:26

Highest Channel / Full RB



Date: 26 JUN 2020 12:54:48



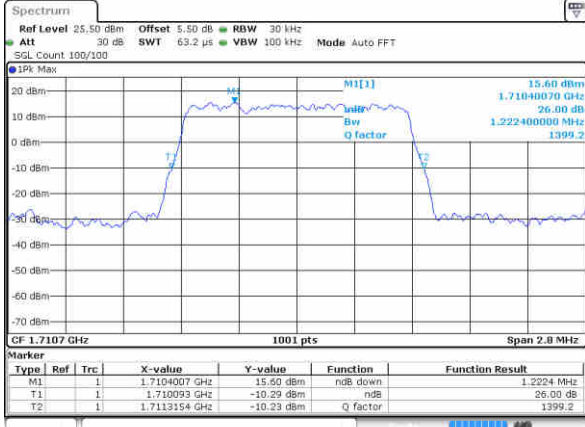
26dB Bandwidth

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	1.22	1.23	2.98	3.05	4.92	4.82	9.91	9.73	14.18	14.30	20.10	20.30
Middle CH	1.23	1.23	3.01	3.03	4.86	4.86	9.87	9.75	14.57	14.33	20.14	20.14
Highest CH	1.23	1.25	2.99	3.06	4.89	4.86	9.97	9.79	14.48	14.51	20.38	20.18
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	-	3.04	-	4.91	-	9.69	-	14.66	-	20.18	-
Middle CH	1.23	-	3.00	-	4.89	-	9.75	-	14.60	-	20.10	-
Highest CH	1.23	-	3.03	-	4.92	-	9.87	-	14.66	-	20.10	-



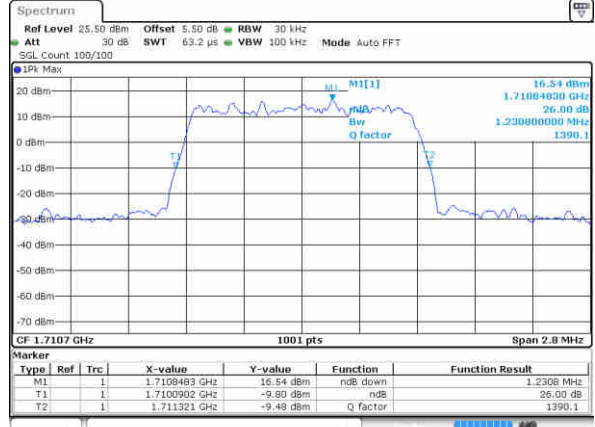
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



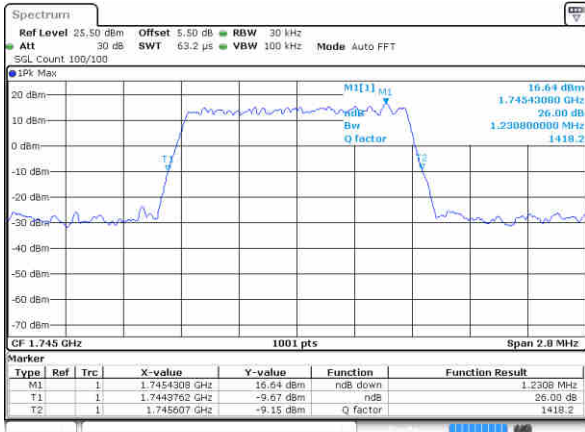
Date: 26 JUN 2020 11:31:23

Lowest Channel / 1.4MHz / 16QAM



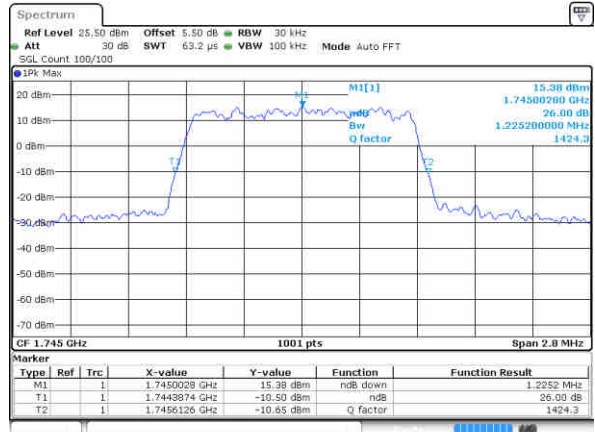
Date: 26 JUN 2020 11:38:04

Middle Channel / 1.4MHz / QPSK



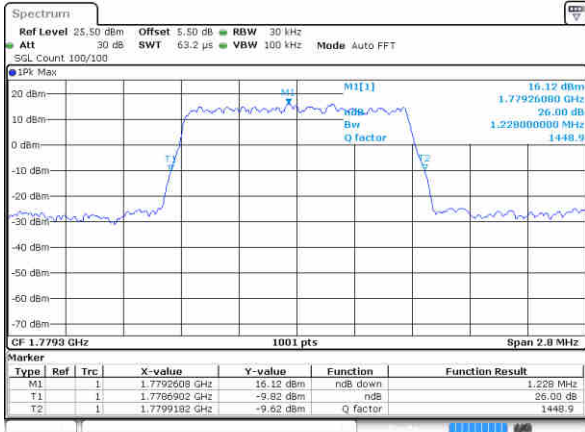
Date: 26 JUN 2020 11:51:43

Middle Channel / 1.4MHz / 16QAM



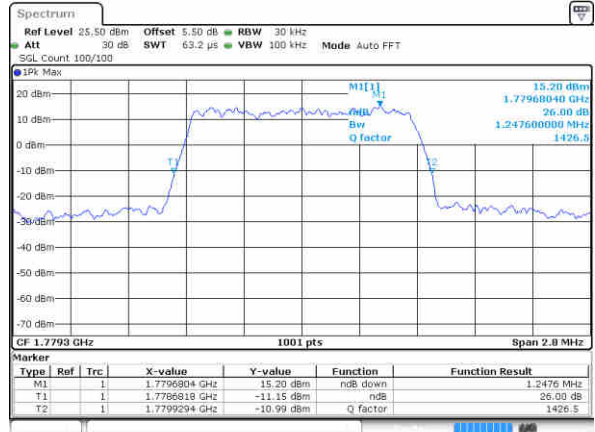
Date: 26 JUN 2020 11:51:27

Highest Channel / 1.4MHz / QPSK



Date: 26 JUN 2020 11:52:31

Highest Channel / 1.4MHz / 16QAM

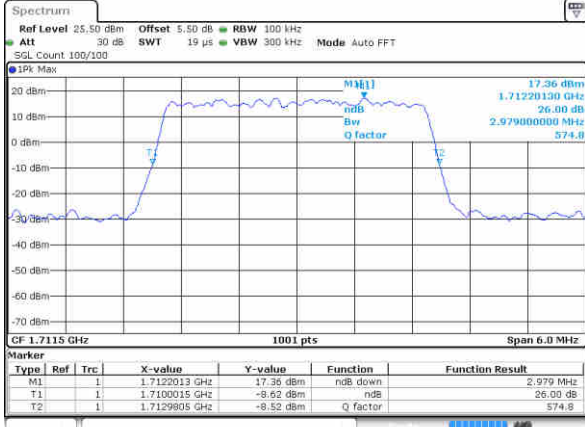


Date: 26 JUN 2020 11:53:58



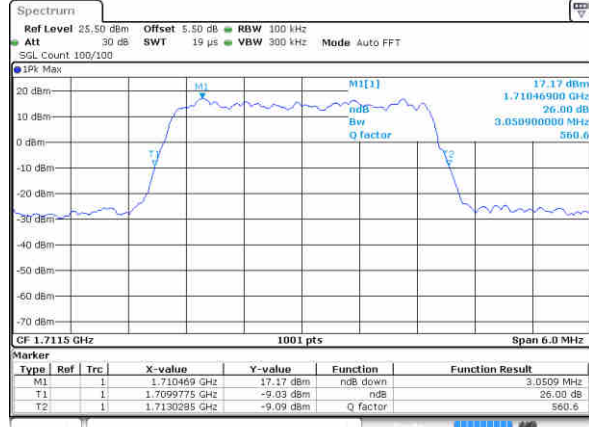
LTE Band 66

Lowest Channel / 3MHz / QPSK



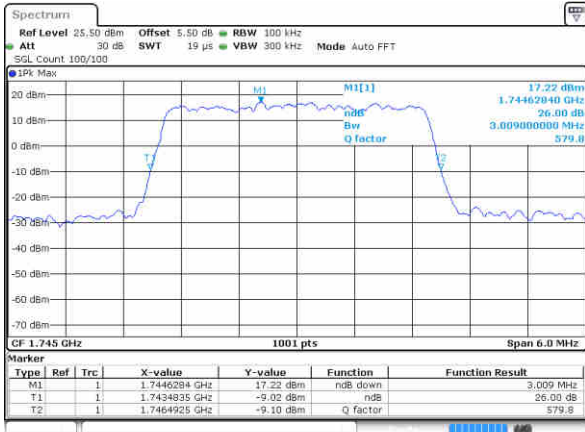
Date: 26 JUN 2020 12:07:47

Lowest Channel / 3MHz / 16QAM



Date: 26 JUN 2020 12:06:25

Middle Channel / 3MHz / QPSK



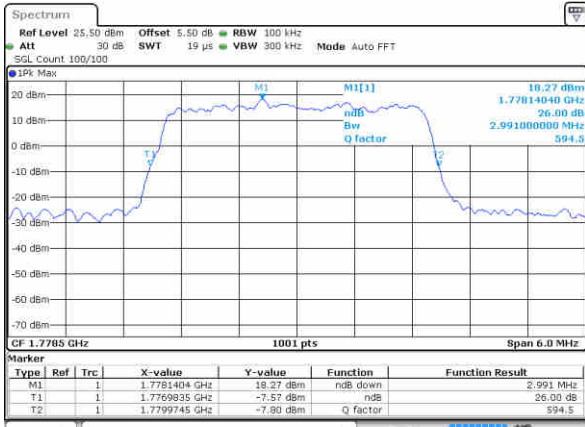
Date: 26 JUN 2020 12:16:48

Middle Channel / 3MHz / 16QAM



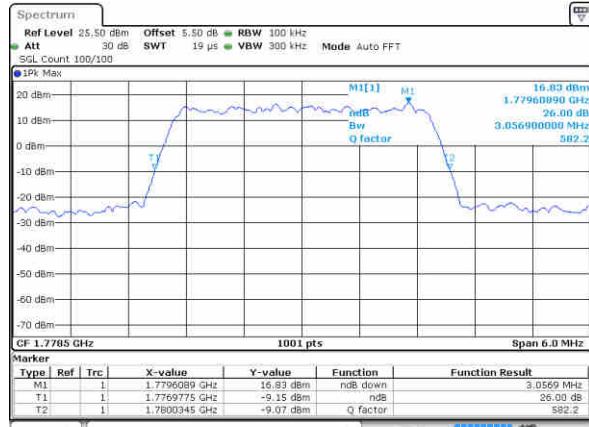
Date: 26 JUN 2020 12:17:04

Highest Channel / 3MHz / QPSK



Date: 26 JUN 2020 12:20:11

Highest Channel / 3MHz / 16QAM

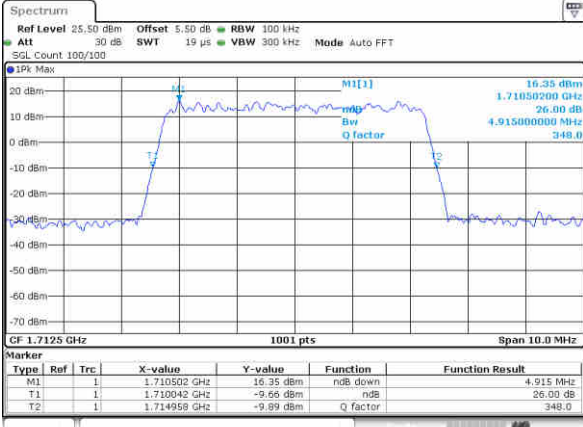


Date: 26 JUN 2020 12:19:20



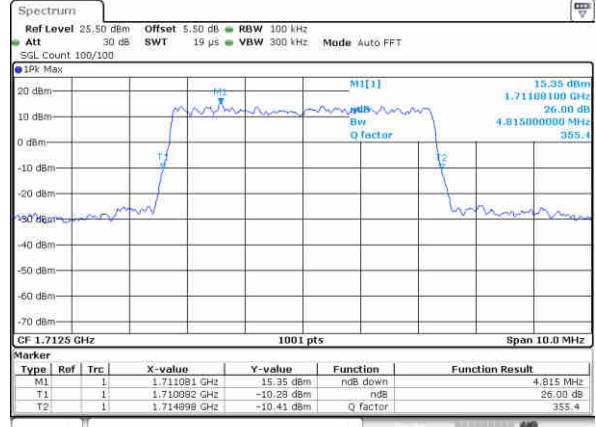
LTE Band 66

Lowest Channel / 5MHz / QPSK



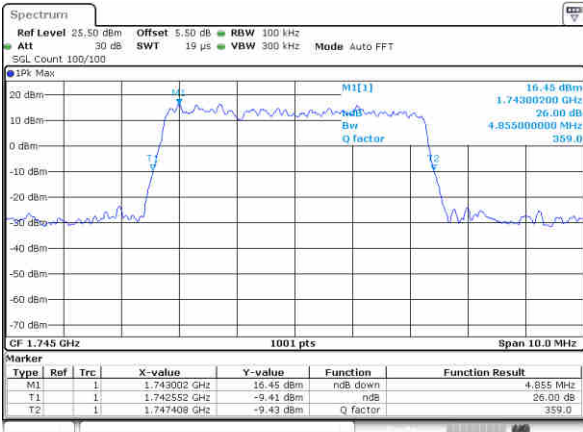
Date: 26_JUN,2020 11:15:16

Lowest Channel / 5MHz / 16QAM



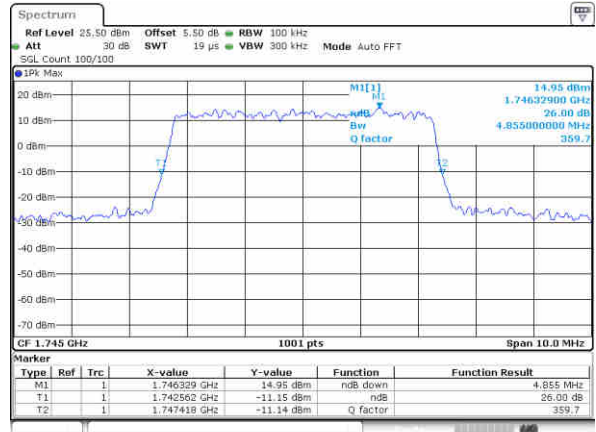
Date: 26_JUN,2020 11:15:54

Middle Channel / 5MHz / QPSK



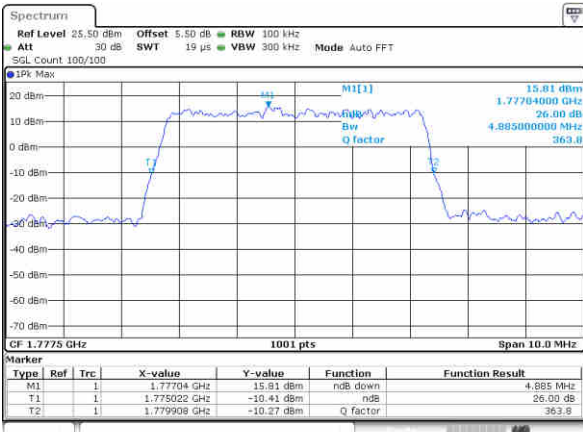
Date: 26_JUN,2020 11:23:18

Middle Channel / 5MHz / 16QAM



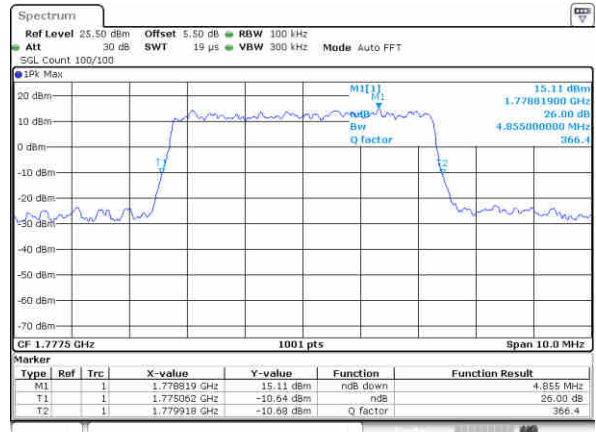
Date: 26_JUN,2020 11:23:02

Highest Channel / 5MHz / QPSK



Date: 26_JUN,2020 11:23:50

Highest Channel / 5MHz / 16QAM

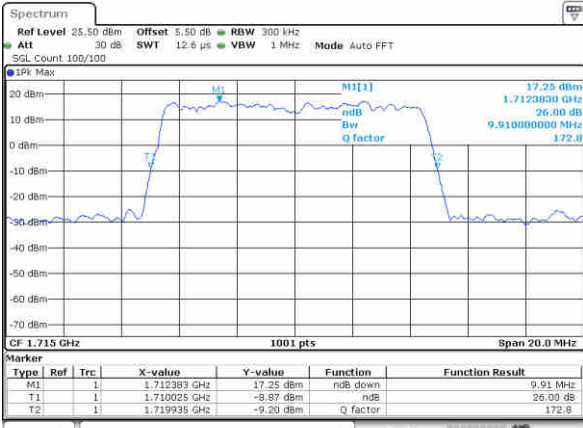


Date: 26_JUN,2020 11:24:32



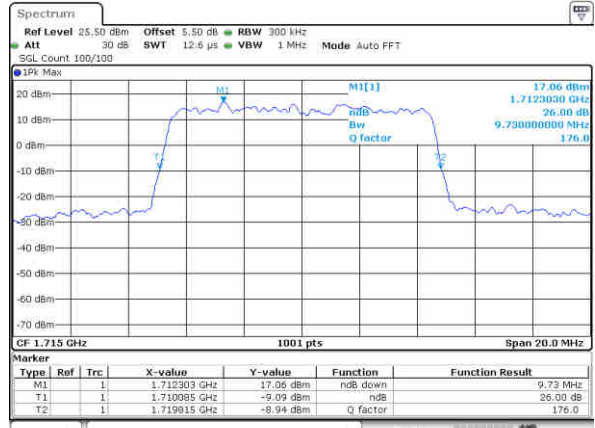
LTE Band 66

Lowest Channel / 10MHz / QPSK



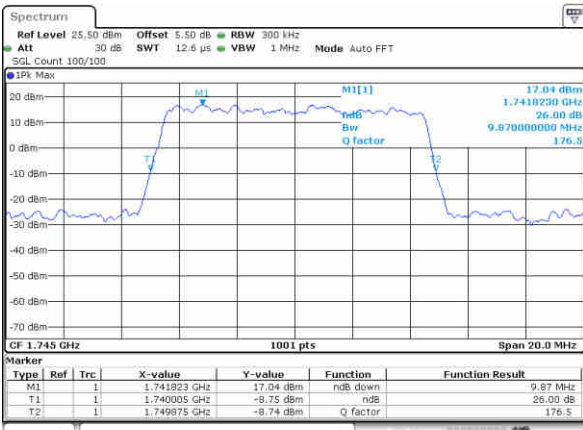
Date: 26 JUN 2020 11:31:02

Lowest Channel / 10MHz / 16QAM



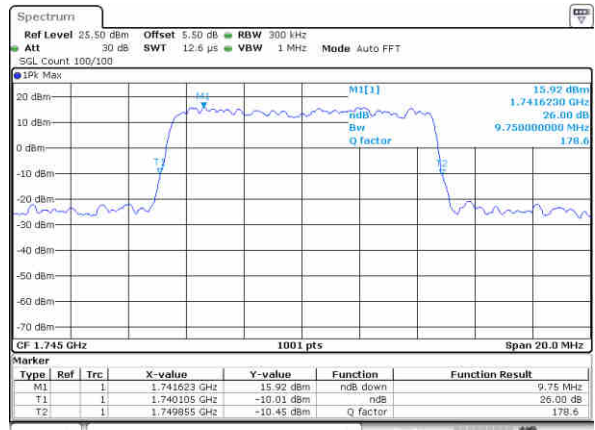
Date: 26 JUN 2020 11:30:136

Middle Channel / 10MHz / QPSK



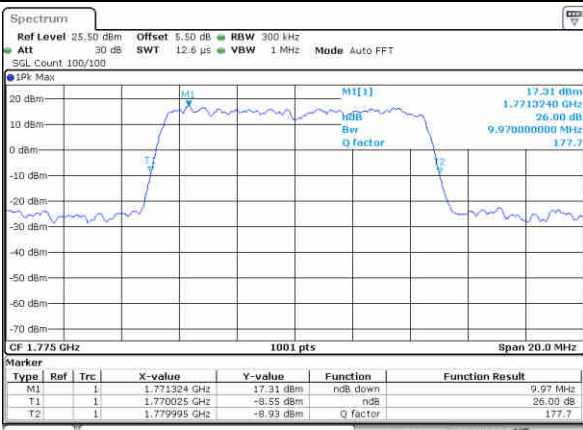
Date: 26 JUN 2020 11:37:08

Middle Channel / 10MHz / 16QAM



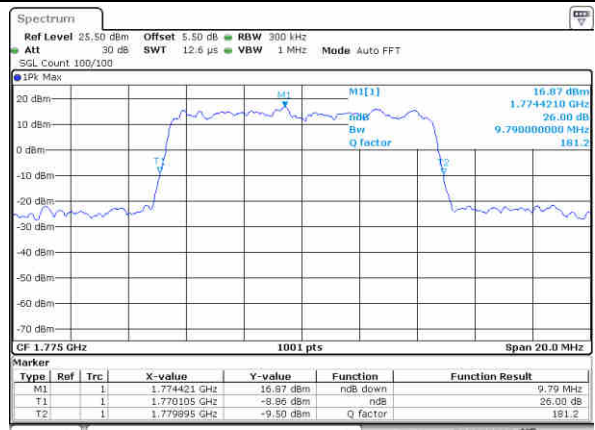
Date: 26 JUN 2020 11:37:826

Highest Channel / 10MHz / QPSK



Date: 26 JUN 2020 11:39:28

Highest Channel / 10MHz / 16QAM

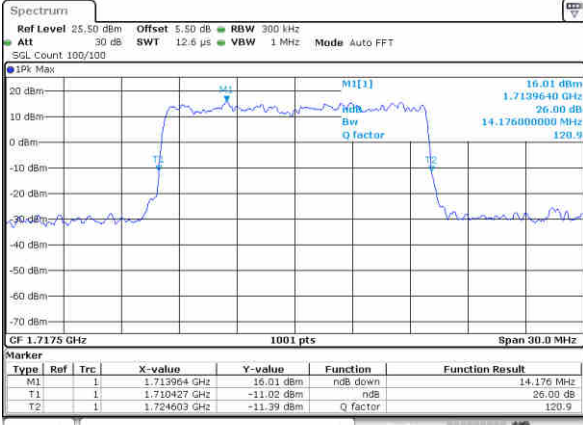


Date: 26 JUN 2020 11:39:90



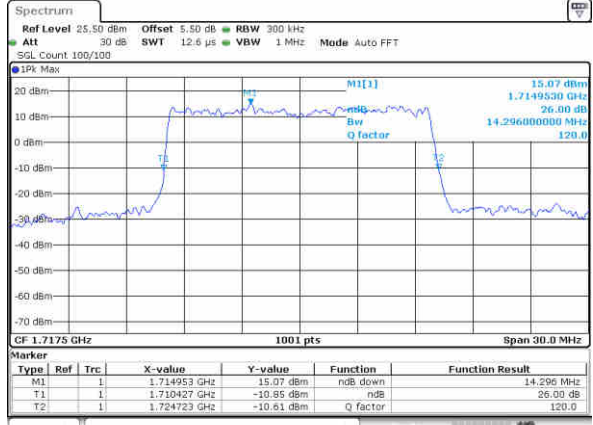
LTE Band 66

Lowest Channel / 15MHz / QPSK



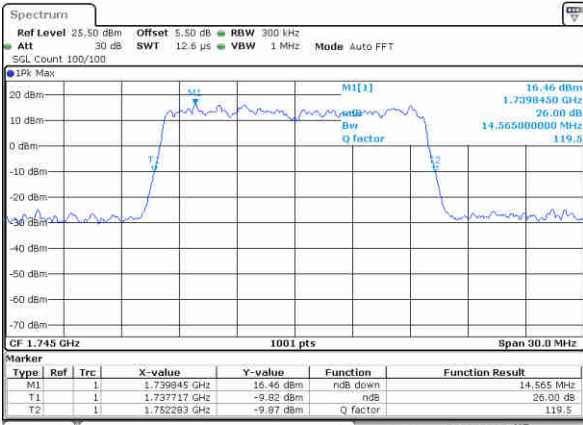
Date: 26 JUN 2020 11:46:07

Lowest Channel / 15MHz / 16QAM



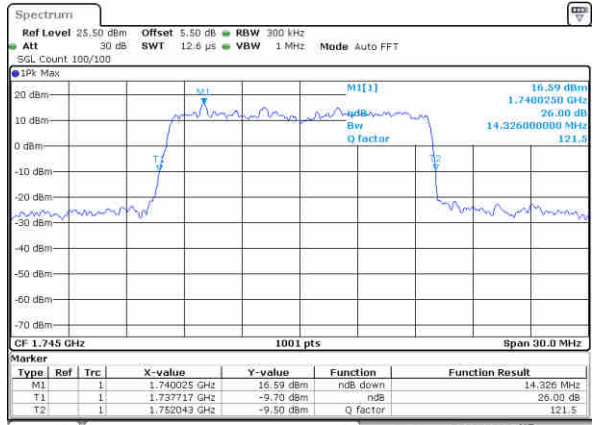
Date: 26 JUN 2020 11:46:32

Middle Channel / 15MHz / QPSK



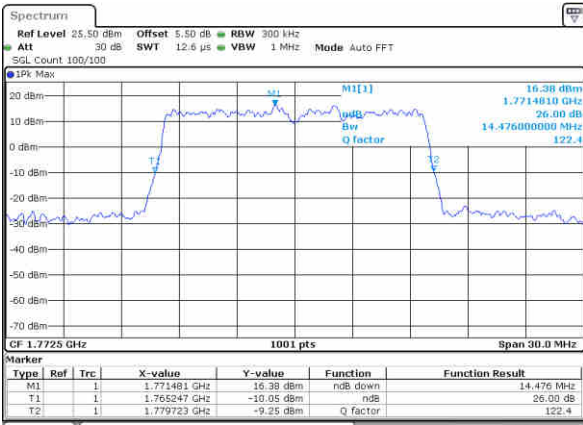
Date: 26 JUN 2020 11:53:41

Middle Channel / 15MHz / 16QAM



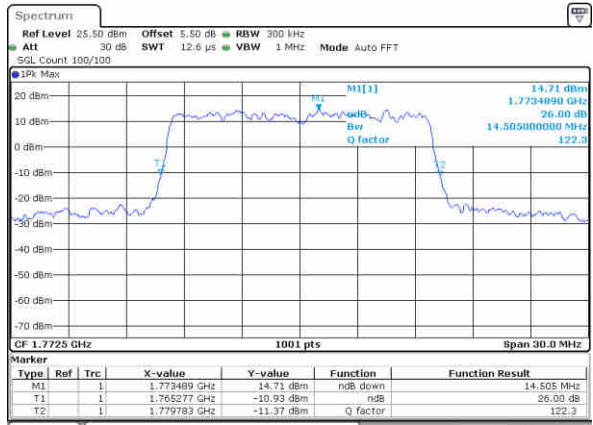
Date: 26 JUN 2020 11:53:23

Highest Channel / 15MHz / QPSK



Date: 26 JUN 2020 11:54:13

Highest Channel / 15MHz / 16QAM

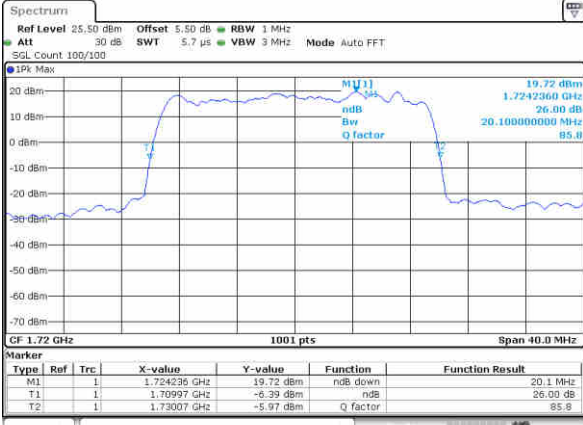


Date: 26 JUN 2020 11:54:40



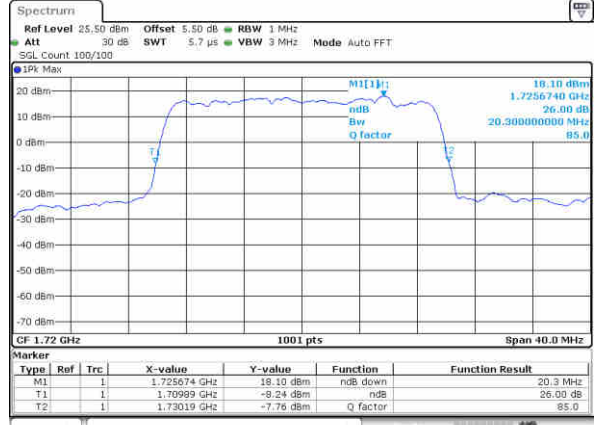
LTE Band 66

Lowest Channel / 20MHz / QPSK



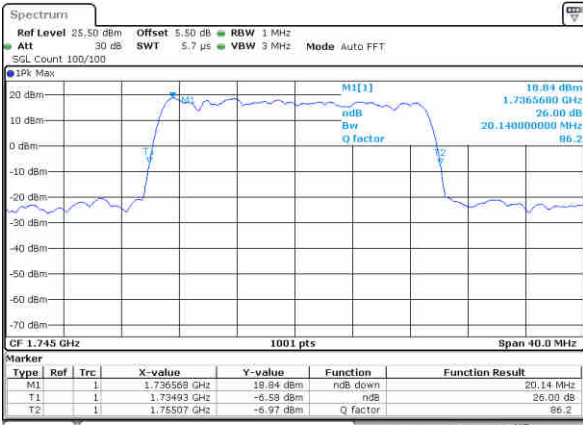
Date: 26_JUN,2020 12:39:44

Lowest Channel / 20MHz / 16QAM



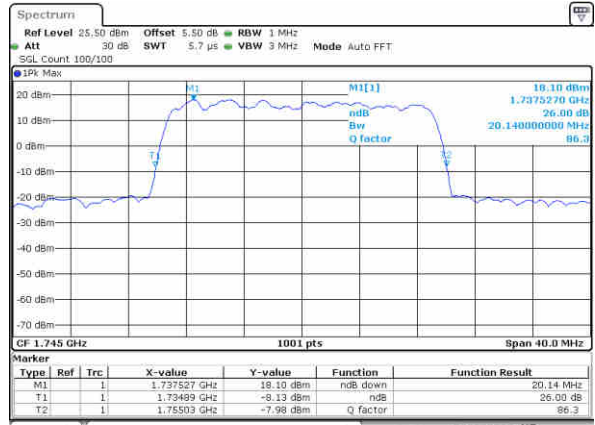
Date: 26_JUN,2020 12:39:19

Middle Channel / 20MHz / QPSK



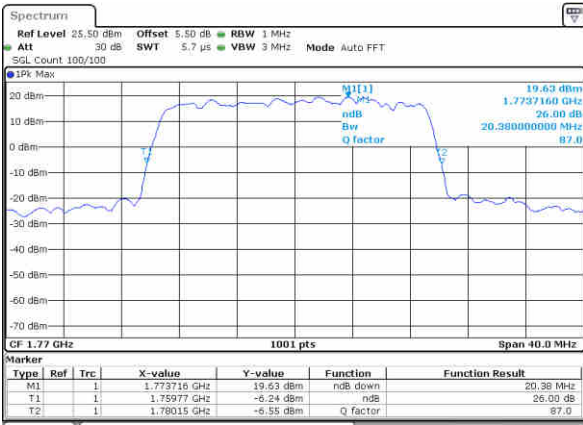
Date: 26_JUN,2020 12:49:12

Middle Channel / 20MHz / 16QAM



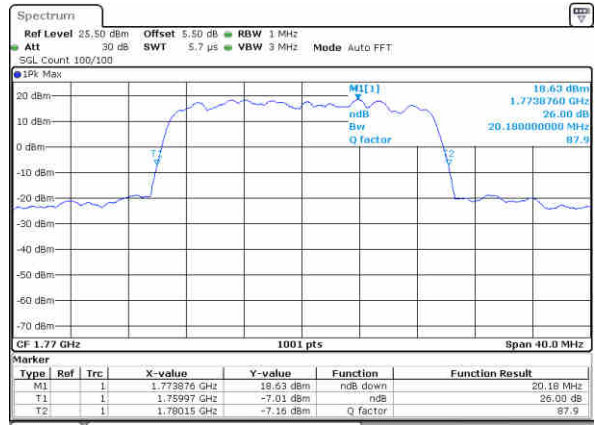
Date: 26_JUN,2020 12:49:17

Highest Channel / 20MHz / QPSK



Date: 26_JUN,2020 12:53:45

Highest Channel / 20MHz / 16QAM

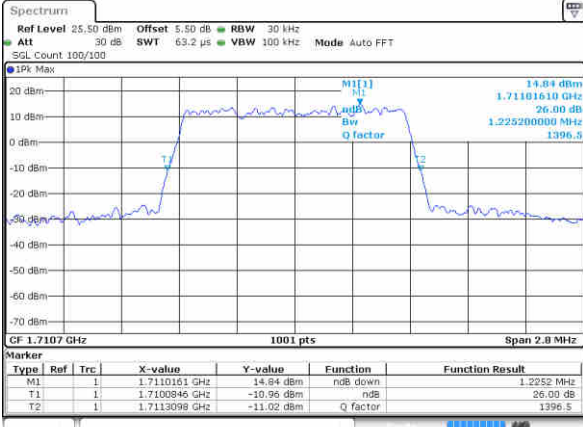


Date: 26_JUN,2020 12:54:30



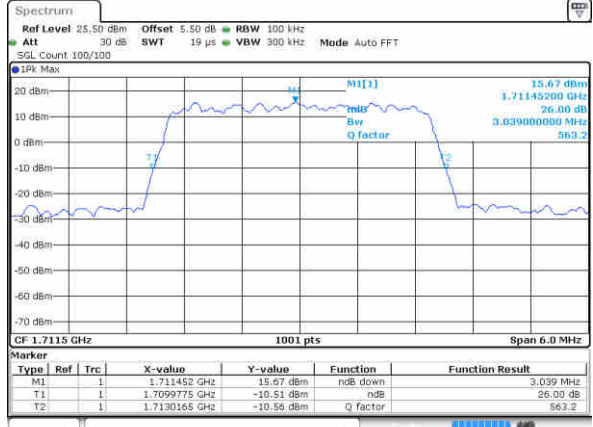
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



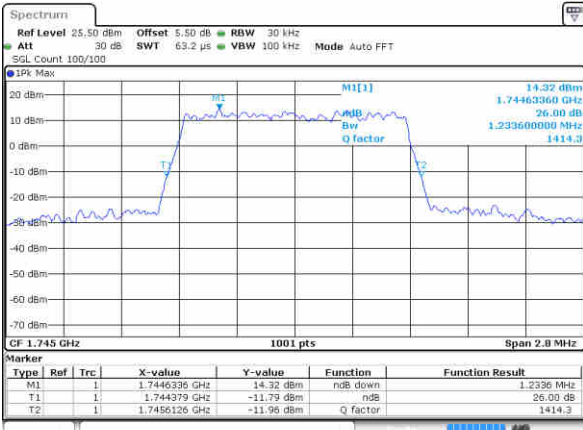
Date: 26 JUN 2020 11:39:29

Lowest Channel / 3MHz / 64QAM



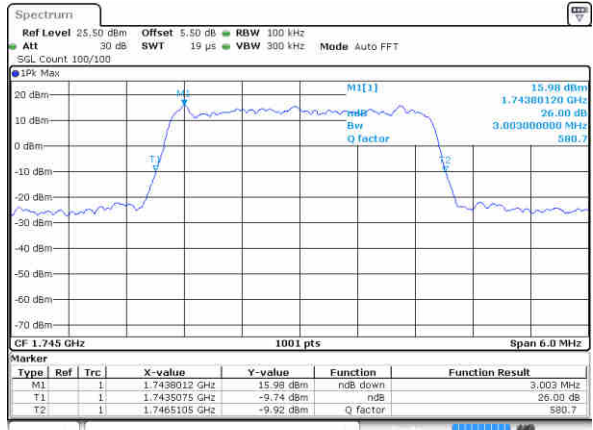
Date: 26 JUN 2020 12:05:32

Middle Channel / 20MHz / 64QAM



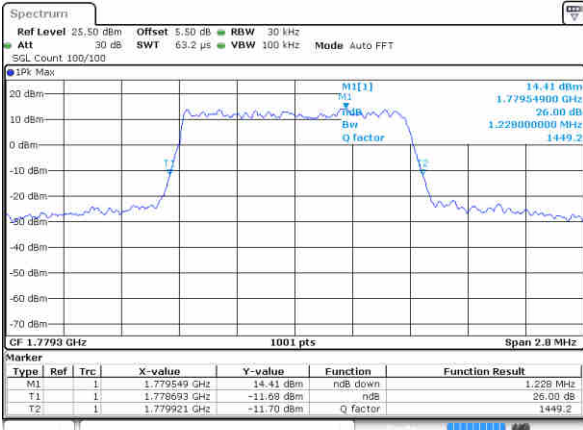
Date: 26 JUN 2020 11:51:10

Middle Channel / 3MHz / 64QAM



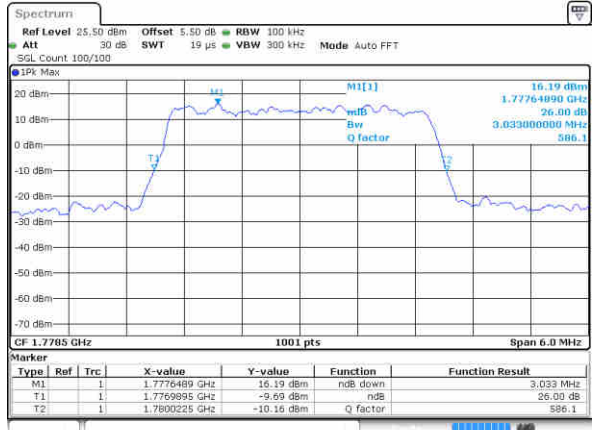
Date: 26 JUN 2020 12:17:20

Highest Channel / 20MHz / 64QAM



Date: 26 JUN 2020 11:55:20

Highest Channel / 3MHz / 64QAM

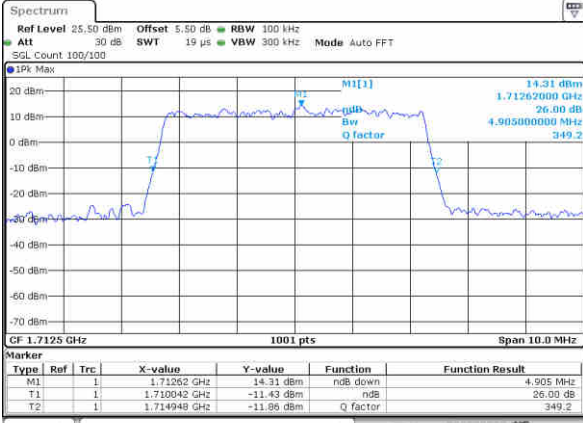


Date: 26 JUN 2020 12:18:26



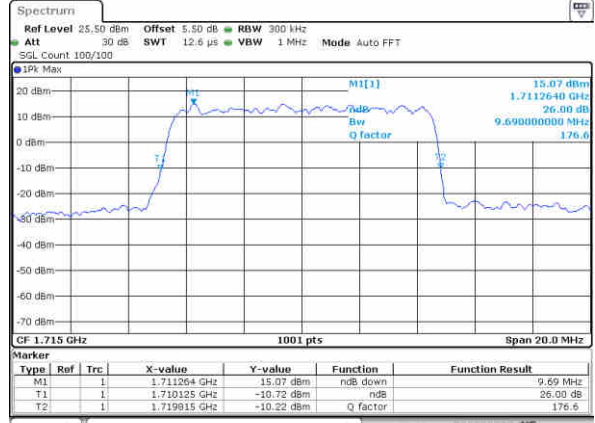
LTE Band 66

Lowest Channel / 5MHz / 64QAM



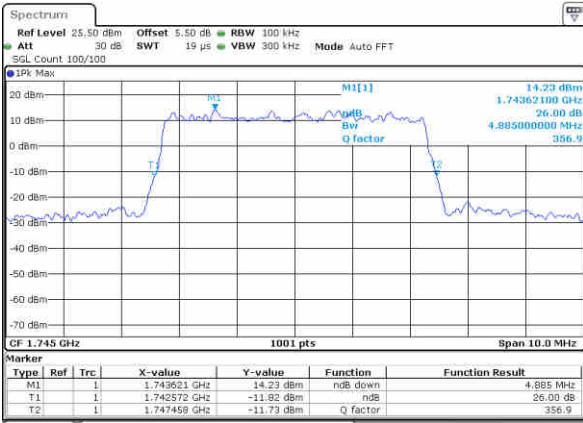
Date: 26 JUN 2020 11:16:26

Lowest Channel / 10MHz / 64QAM



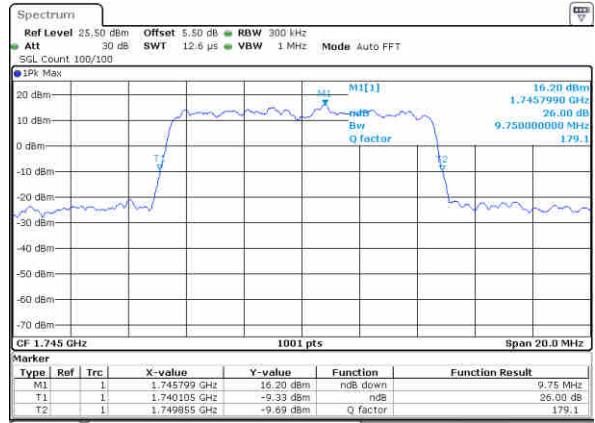
Date: 26 JUN 2020 11:30:09

Middle Channel / 5MHz / 64QAM



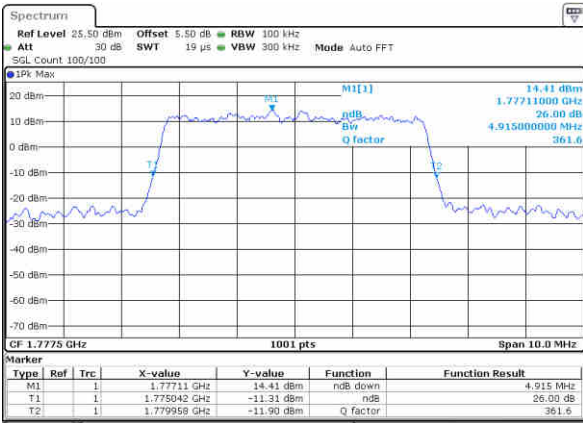
Date: 26 JUN 2020 11:22:46

Middle Channel / 10MHz / 64QAM



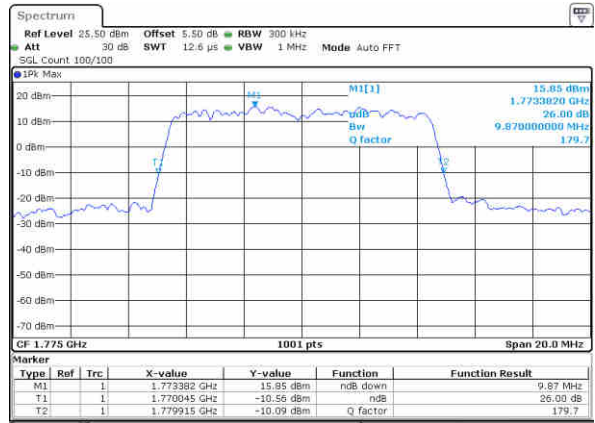
Date: 26 JUN 2020 11:37:54

Highest Channel / 5MHz / 64QAM



Date: 26 JUN 2020 11:25:15

Highest Channel / 10MHz / 64QAM

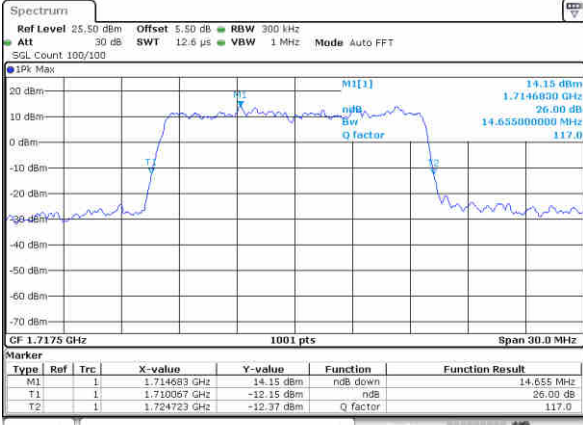


Date: 26 JUN 2020 11:38:34



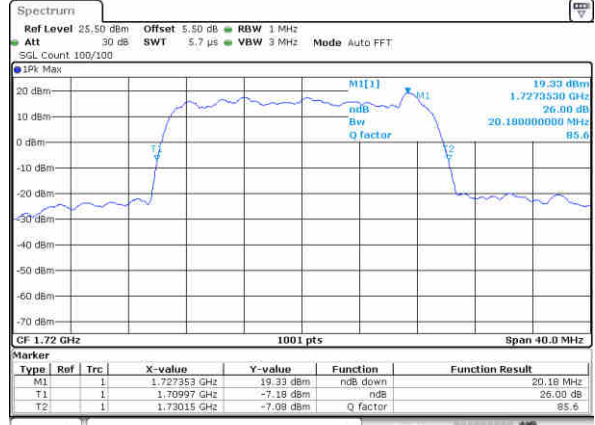
LTE Band 66

Lowest Channel / 15MHz / 64QAM



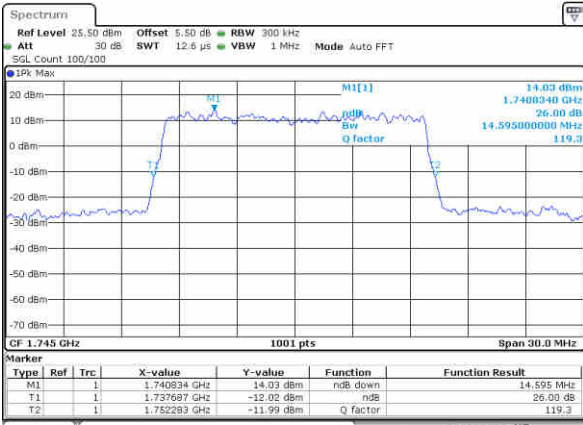
Date: 26 JUN 2020 11:46:58

Lowest Channel / 20MHz / 64QAM



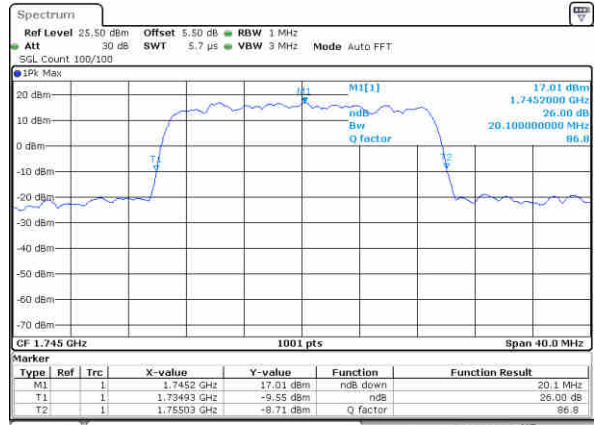
Date: 26 JUN 2020 12:18:52

Middle Channel / 15MHz / 64QAM



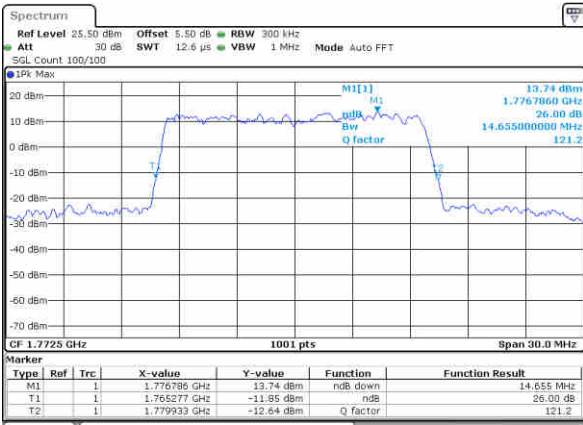
Date: 26 JUN 2020 11:53:03

Middle Channel / 20MHz / 64QAM



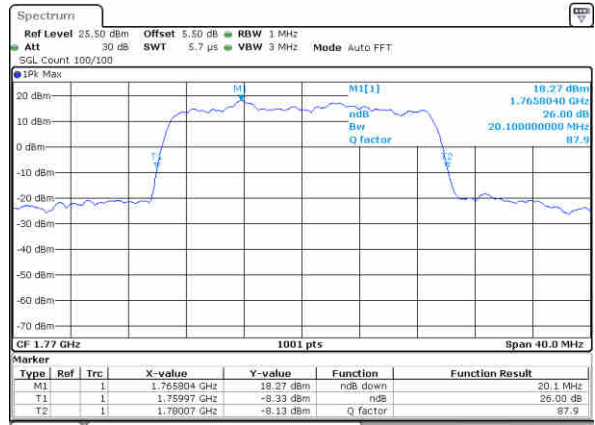
Date: 26 JUN 2020 12:15:05

Highest Channel / 15MHz / 64QAM



Date: 26 JUN 2020 11:55:07

Highest Channel / 20MHz / 64QAM



Date: 26 JUN 2020 12:15:19



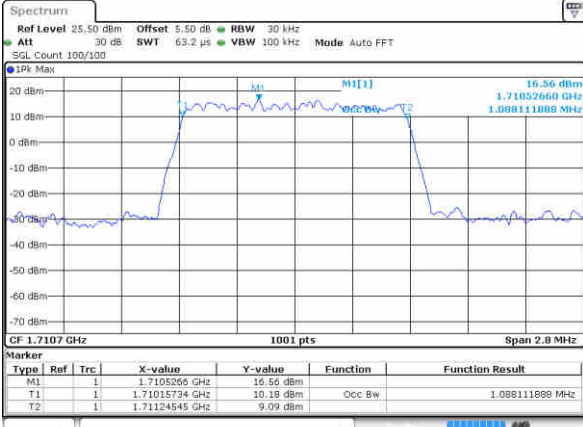
Occupied Bandwidth

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	1.10	2.73	2.72	4.48	4.47	8.99	9.03	13.49	13.43	18.42	18.30
Middle CH	1.09	1.09	2.72	2.74	4.49	4.51	8.99	9.01	13.46	13.52	18.38	18.38
Highest CH	1.09	1.09	2.73	2.72	4.50	4.50	9.03	8.97	13.40	13.46	18.30	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	1.10	-	2.71	-	4.50	-	8.97	-	13.46	-	18.46	-
Middle CH	1.09	-	2.72	-	4.51	-	9.05	-	13.40	-	18.18	-
Highest CH	1.09	-	2.73	-	4.49	-	9.05	-	13.49	-	18.26	-

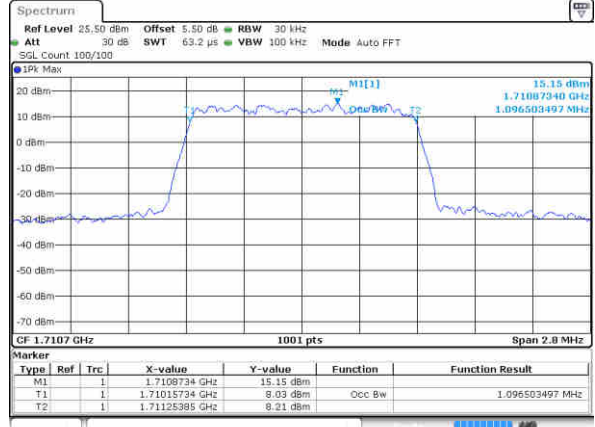


LTE Band 66

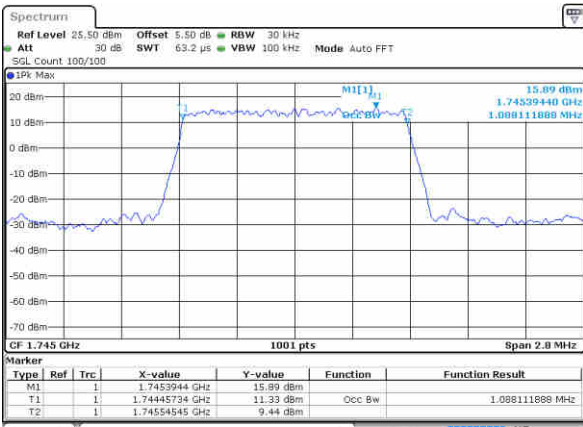
Lowest Channel / 1.4MHz / QPSK



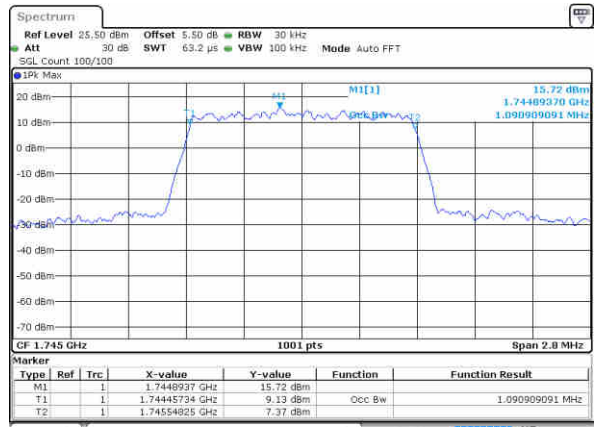
Lowest Channel / 1.4MHz / 16QAM



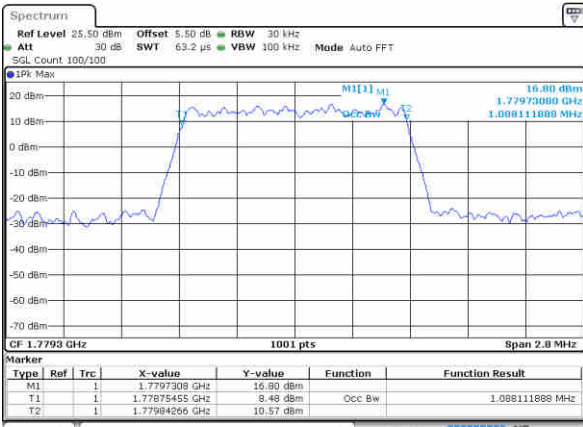
Middle Channel / 1.4MHz / QPSK



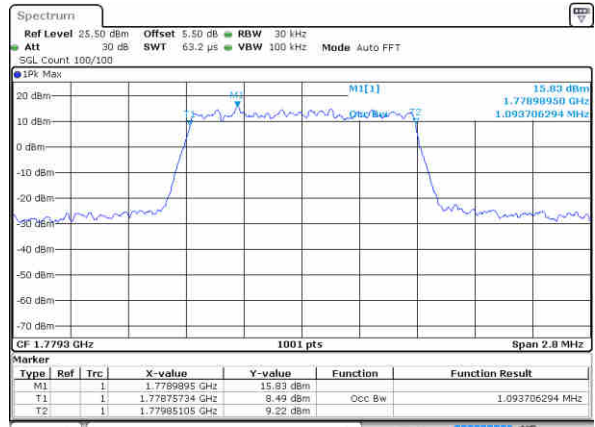
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



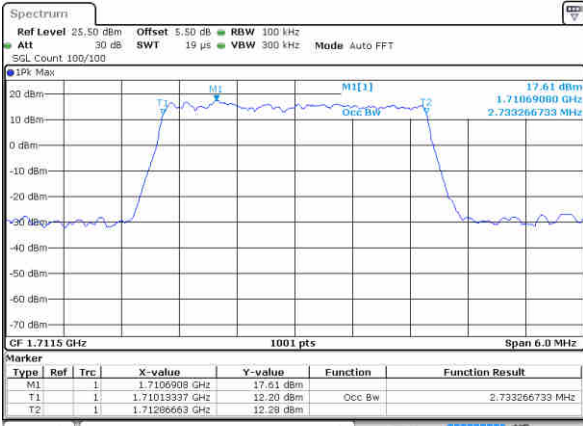
Highest Channel / 1.4MHz / 16QAM





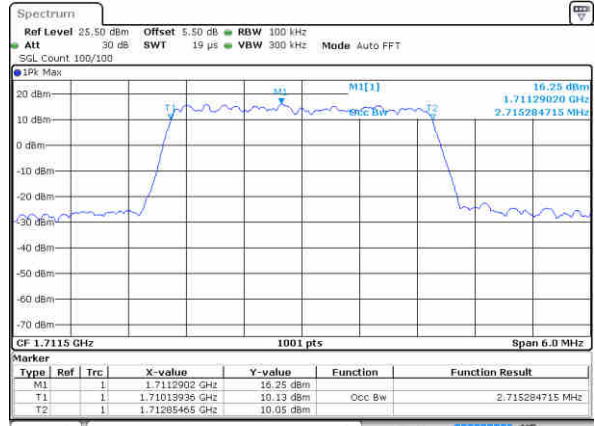
LTE Band 66

Lowest Channel / 3MHz / QPSK



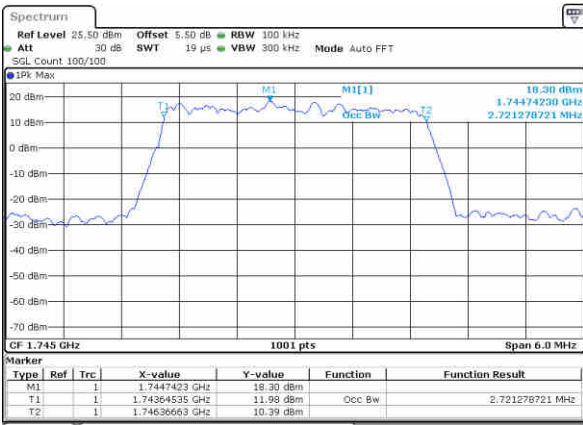
Date: 26 JUN 2020 12:07:41

Lowest Channel / 3MHz / 16QAM



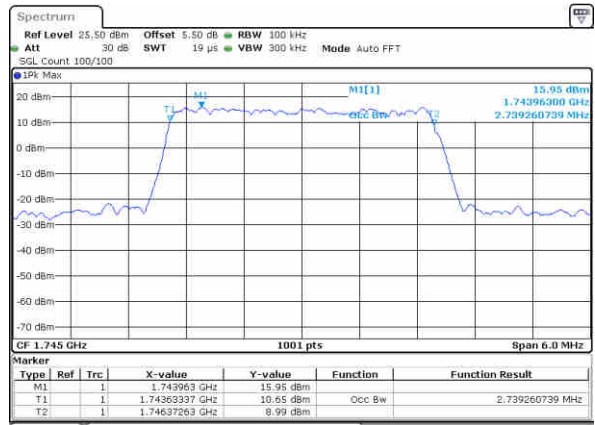
Date: 26 JUN 2020 12:06:20

Middle Channel / 3MHz / QPSK



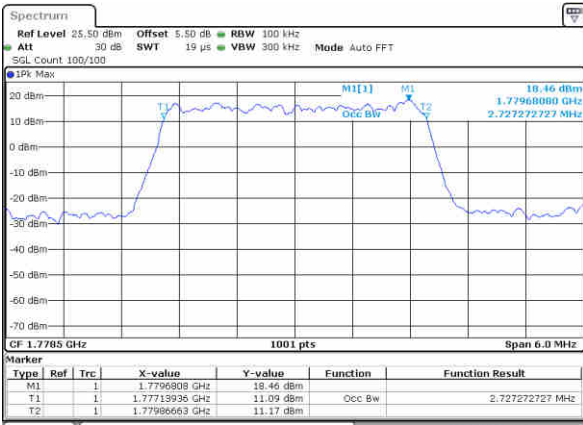
Date: 26 JUN 2020 12:16:43

Middle Channel / 3MHz / 16QAM



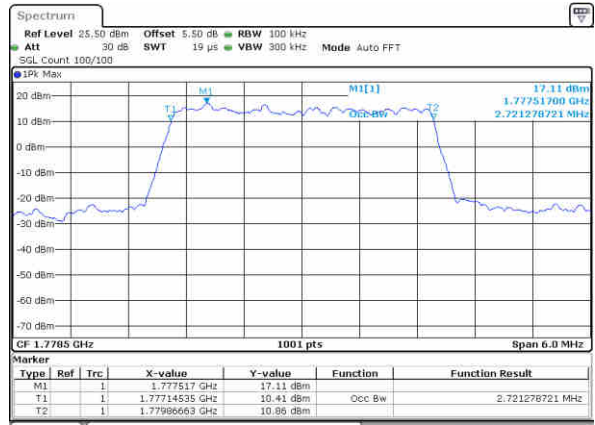
Date: 26 JUN 2020 12:16:59

Highest Channel / 3MHz / QPSK



Date: 26 JUN 2020 12:20:05

Highest Channel / 3MHz / 16QAM

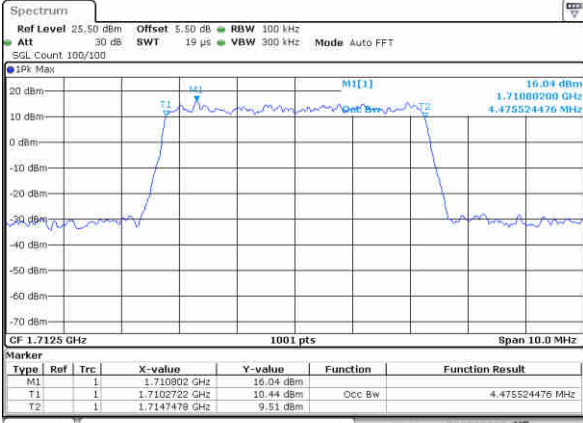


Date: 26 JUN 2020 12:19:14



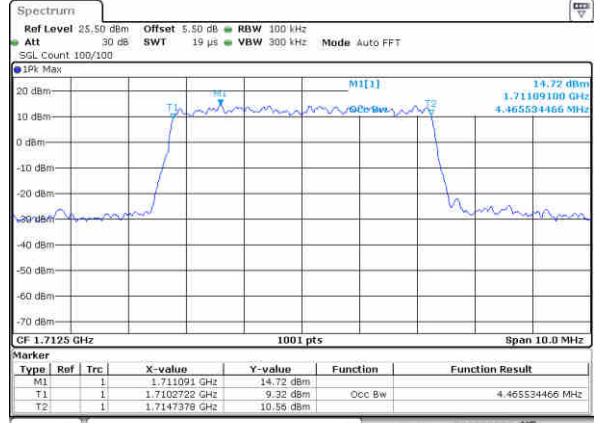
LTE Band 66

Lowest Channel / 5MHz / QPSK



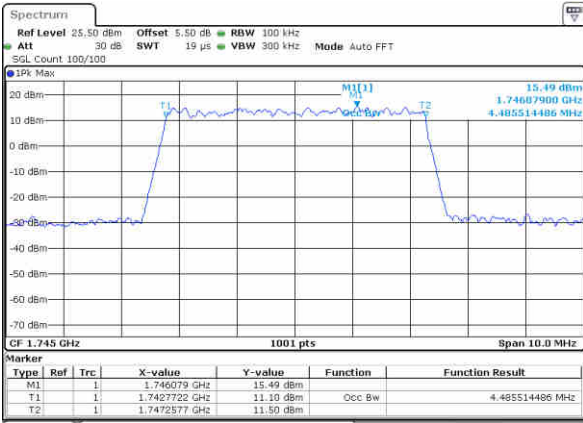
Date: 26_JUN,2020 11:15:10

Lowest Channel / 5MHz / 16QAM



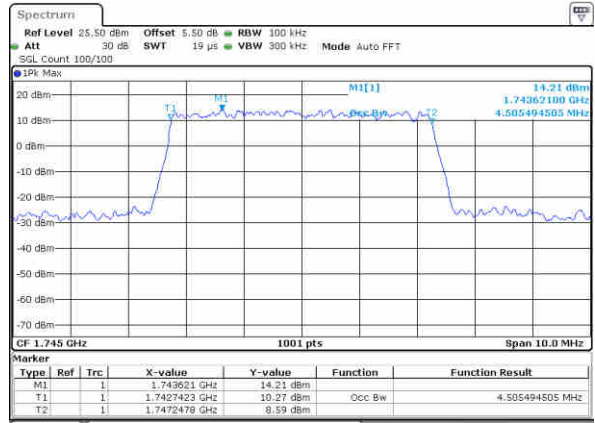
Date: 26_JUN,2020 11:15:48

Middle Channel / 5MHz / QPSK



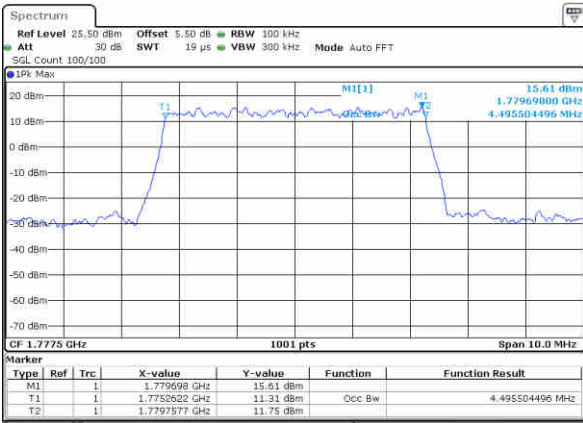
Date: 26_JUN,2020 11:23:12

Middle Channel / 5MHz / 16QAM



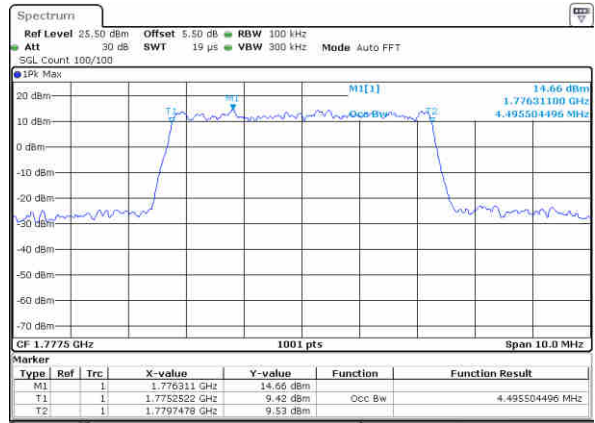
Date: 26_JUN,2020 11:22:57

Highest Channel / 5MHz / QPSK



Date: 26_JUN,2020 11:23:44

Highest Channel / 5MHz / 16QAM

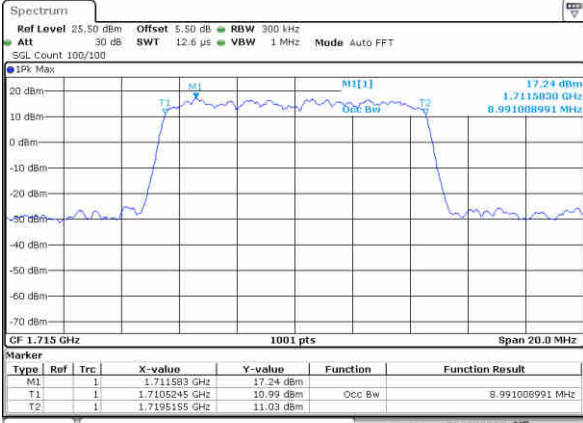


Date: 26_JUN,2020 11:24:16



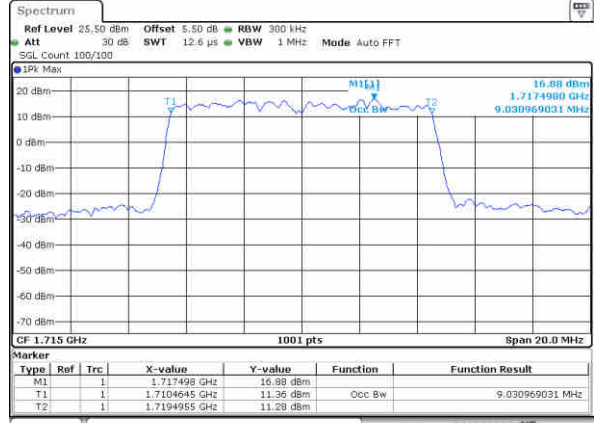
LTE Band 66

Lowest Channel / 10MHz / QPSK



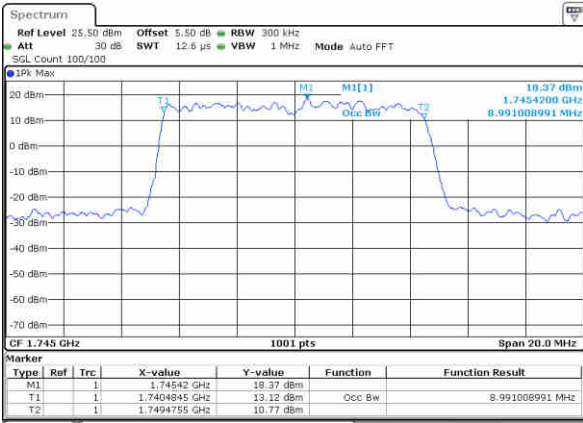
Date: 26 JUN 2020 11:30:57

Lowest Channel / 10MHz / 16QAM



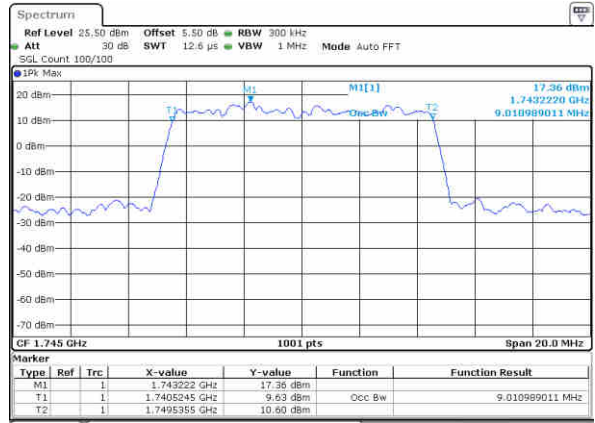
Date: 26 JUN 2020 11:30:31

Middle Channel / 10MHz / QPSK



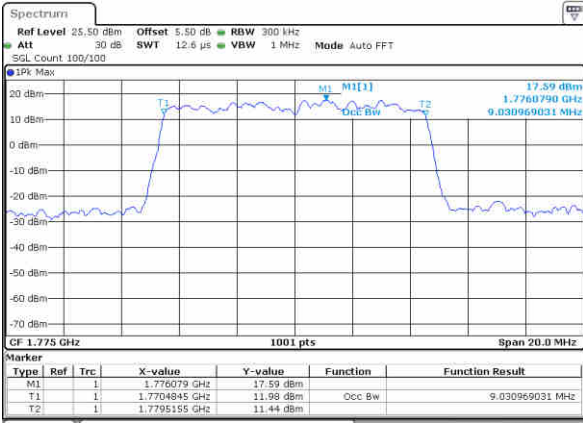
Date: 26 JUN 2020 11:37:00

Middle Channel / 10MHz / 16QAM



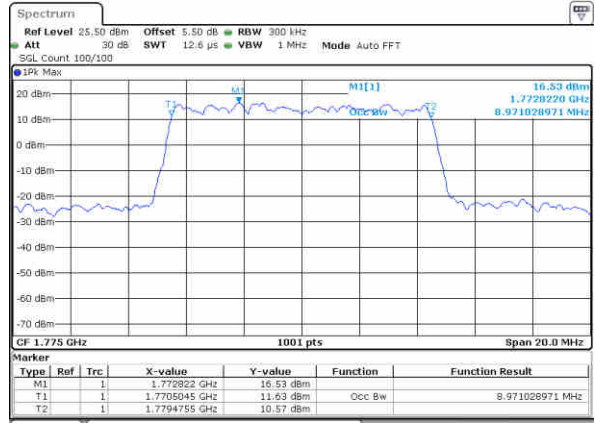
Date: 26 JUN 2020 11:37:01

Highest Channel / 10MHz / QPSK



Date: 26 JUN 2020 11:39:23

Highest Channel / 10MHz / 16QAM

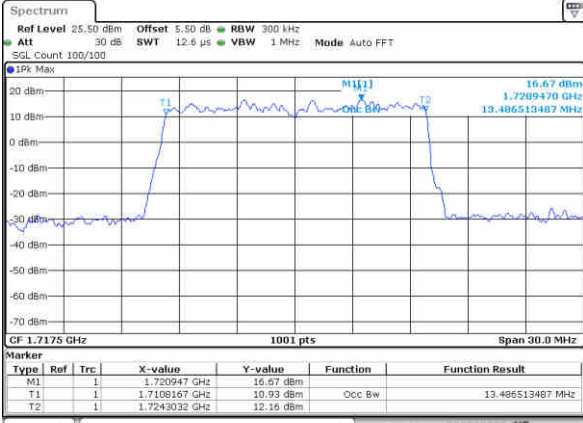


Date: 26 JUN 2020 11:39:54



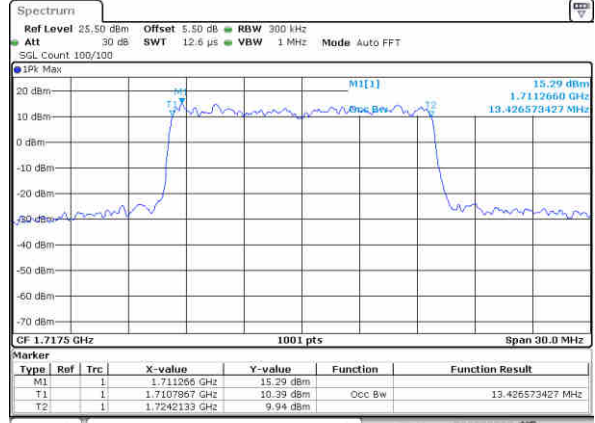
LTE Band 66

Lowest Channel / 15MHz / QPSK



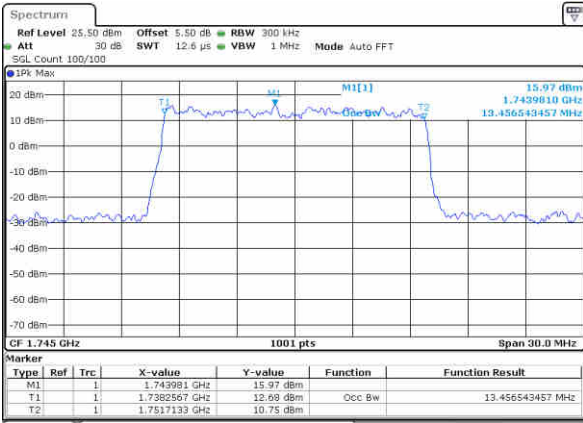
Date: 26 JUN 2020 11:46:02

Lowest Channel / 15MHz / 16QAM



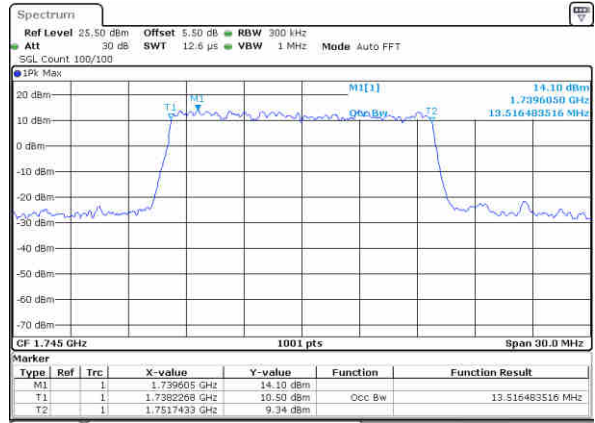
Date: 26 JUN 2020 11:46:28

Middle Channel / 15MHz / QPSK



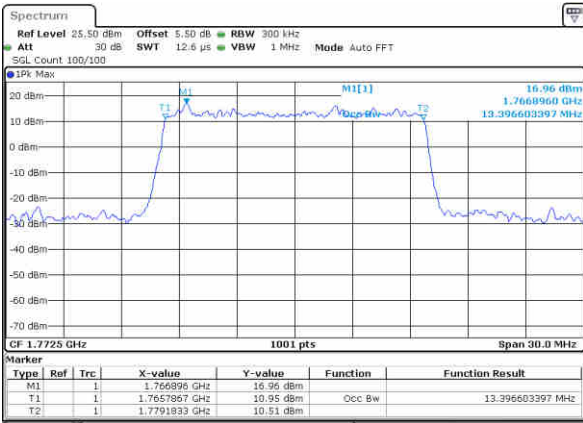
Date: 26 JUN 2020 11:53:35

Middle Channel / 15MHz / 16QAM



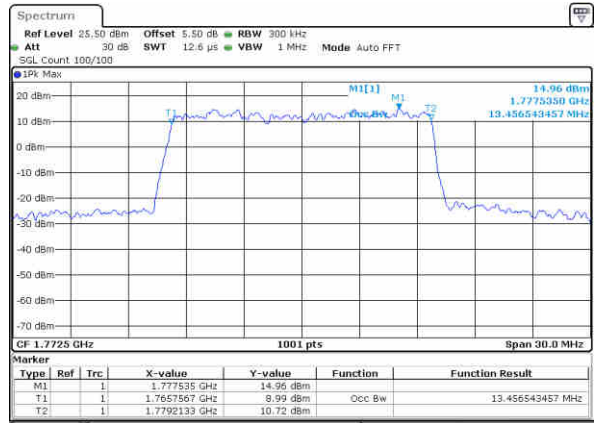
Date: 26 JUN 2020 11:53:17

Highest Channel / 15MHz / QPSK



Date: 26 JUN 2020 11:54:07

Highest Channel / 15MHz / 16QAM

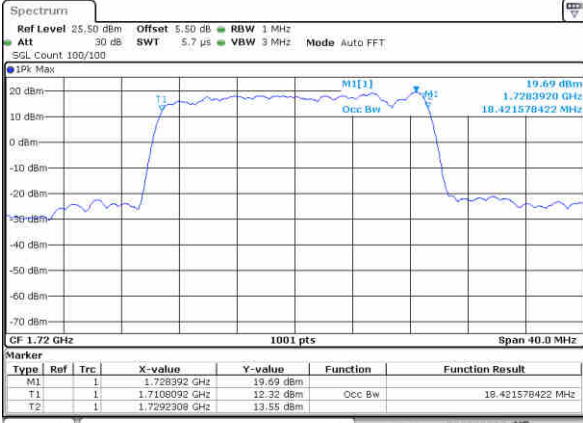


Date: 26 JUN 2020 11:54:35



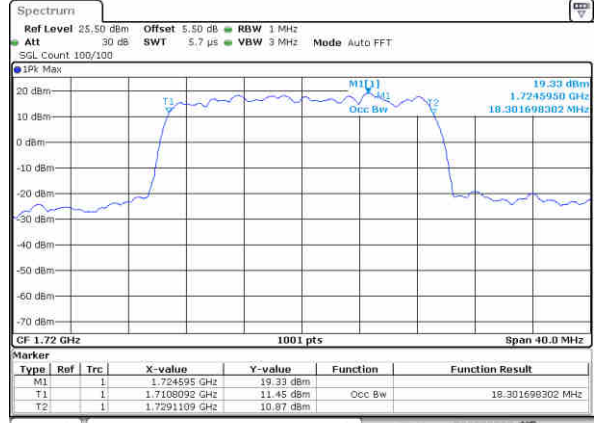
LTE Band 66

Lowest Channel / 20MHz / QPSK



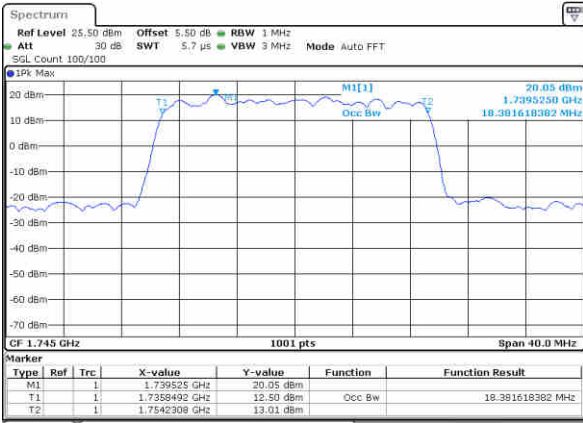
Date: 26_JUN,2020 12:13:13

Lowest Channel / 20MHz / 16QAM



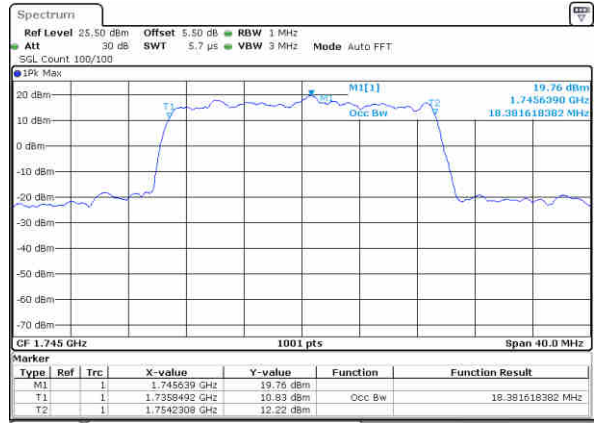
Date: 26_JUN,2020 12:13:13

Middle Channel / 20MHz / QPSK



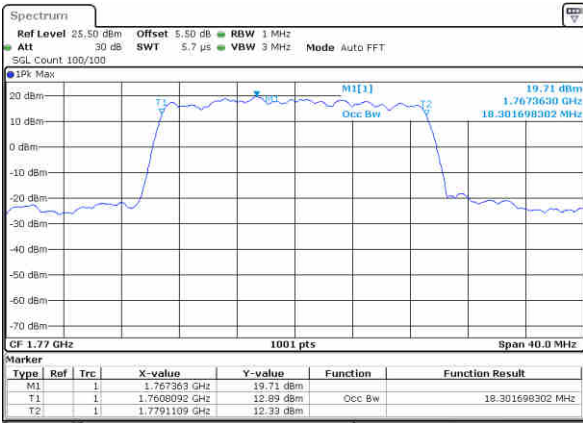
Date: 26_JUN,2020 12:14:07

Middle Channel / 20MHz / 16QAM



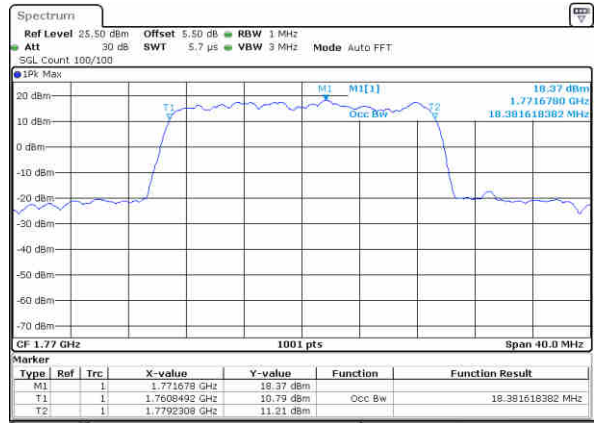
Date: 26_JUN,2020 12:14:26

Highest Channel / 20MHz / QPSK



Date: 26_JUN,2020 12:15:13

Highest Channel / 20MHz / 16QAM

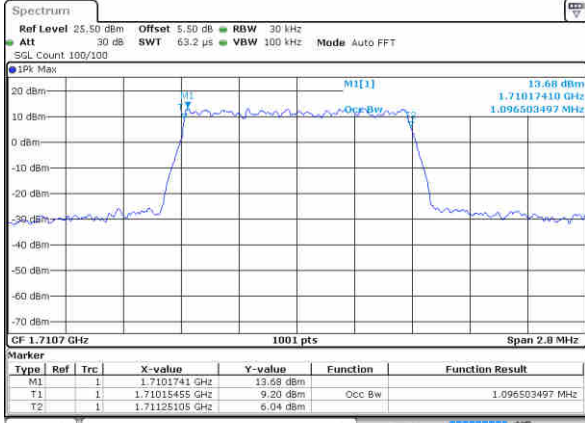


Date: 26_JUN,2020 12:15:14



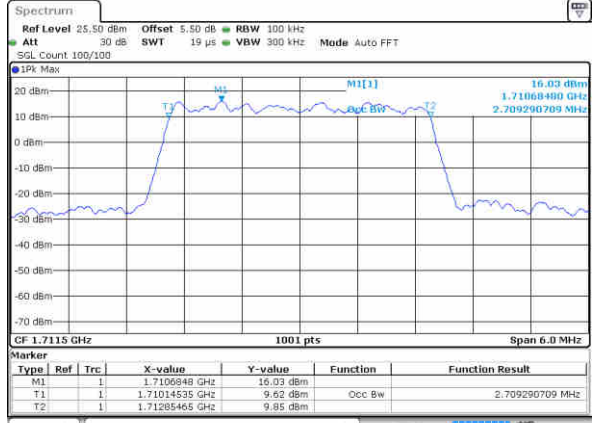
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



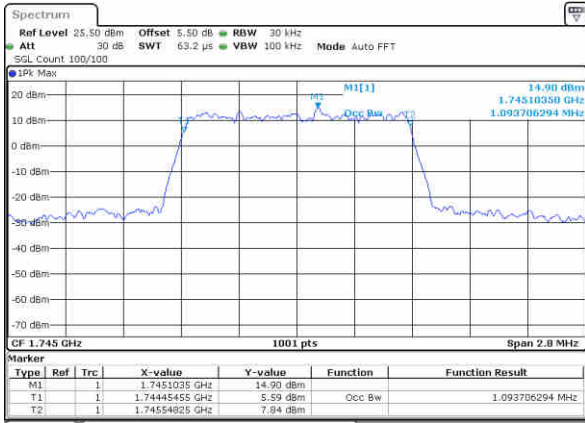
Date: 26 JUN 2020 11:39:21

Lowest Channel / 3MHz / 64QAM



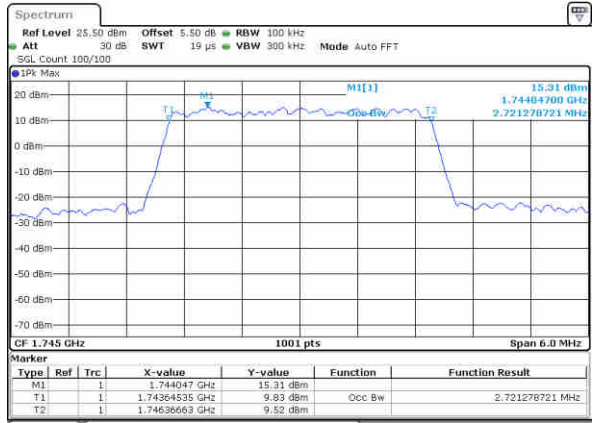
Date: 26 JUN 2020 12:05:27

Middle Channel / 1.4MHz / 64QAM



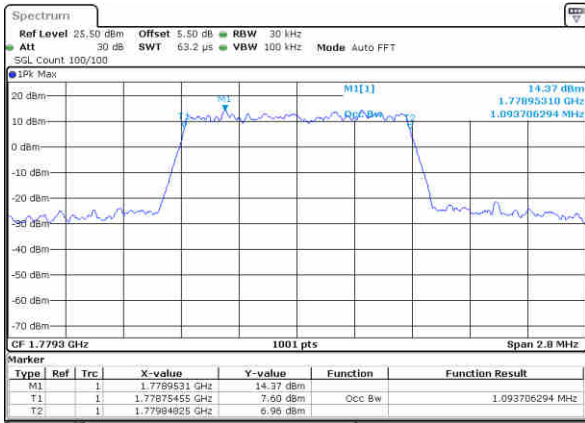
Date: 26 JUN 2020 11:51:04

Middle Channel / 3MHz / 64QAM



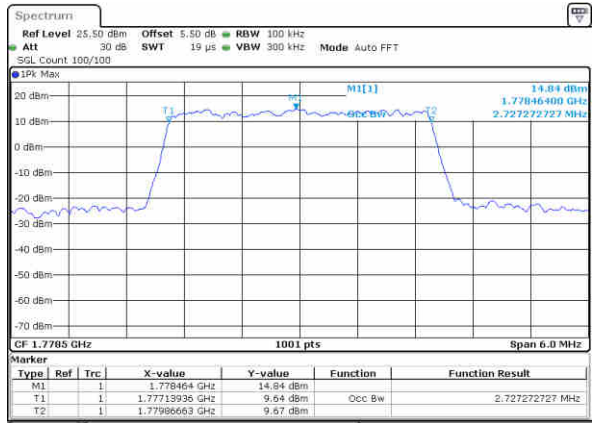
Date: 26 JUN 2020 12:17:14

Highest Channel / 1.4MHz / 64QAM



Date: 26 JUN 2020 11:55:14

Highest Channel / 3MHz / 64QAM

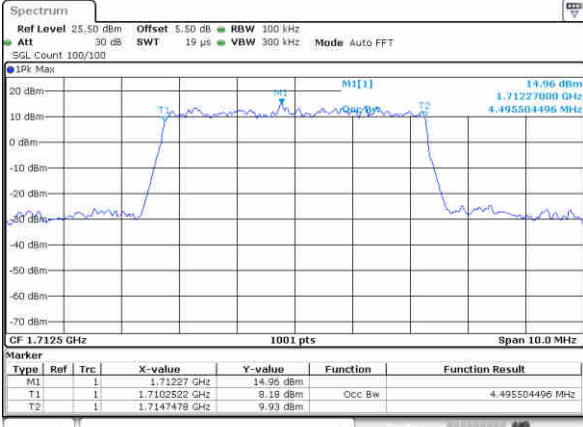


Date: 26 JUN 2020 12:18:20



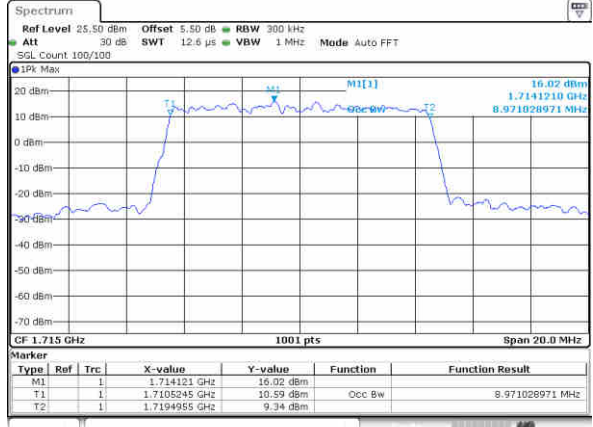
LTE Band 66

Lowest Channel / 5MHz / 64QAM



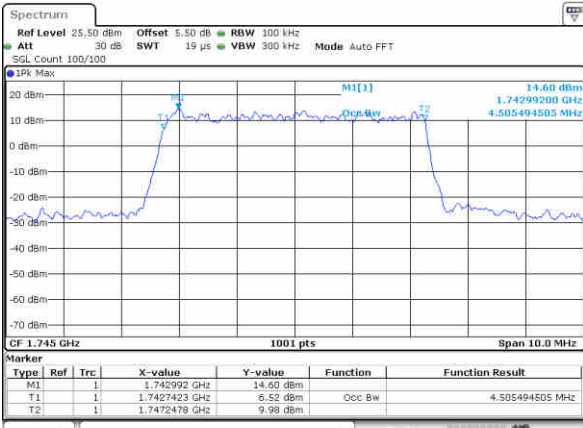
Date: 26 JUN 2020 11:16:21

Lowest Channel / 10MHz / 64QAM



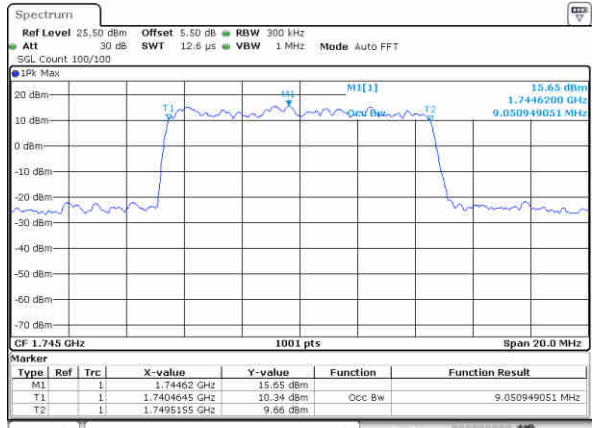
Date: 26 JUN 2020 11:30:03

Middle Channel / 5MHz / 64QAM



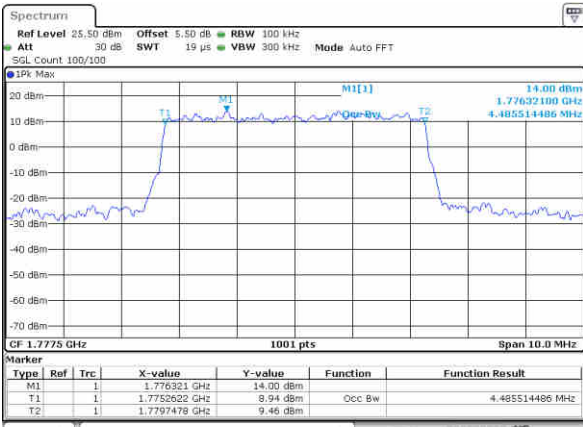
Date: 26 JUN 2020 11:22:40

Middle Channel / 10MHz / 64QAM



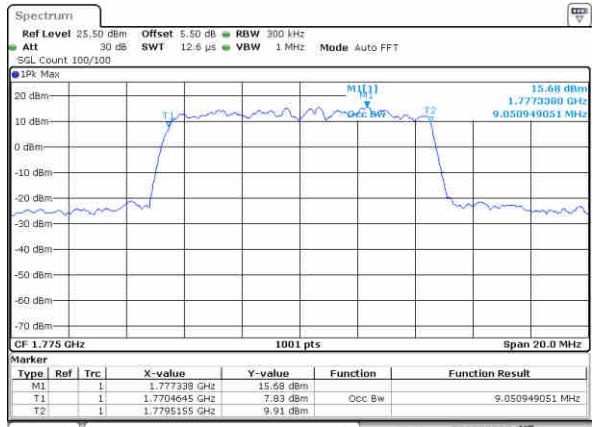
Date: 26 JUN 2020 11:27:49

Highest Channel / 5MHz / 64QAM



Date: 26 JUN 2020 11:25:09

Highest Channel / 10MHz / 64QAM

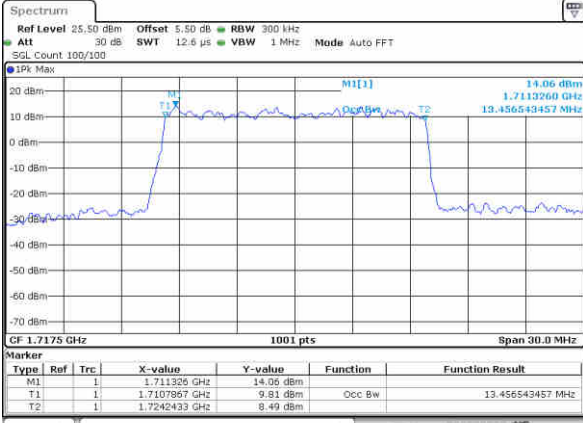


Date: 26 JUN 2020 11:38:28



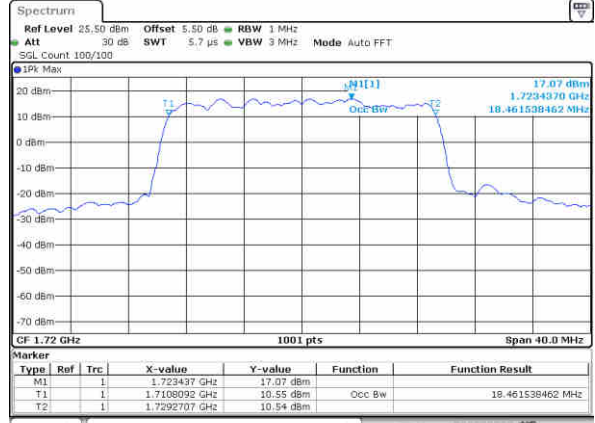
LTE Band 66

Lowest Channel / 15MHz / 64QAM



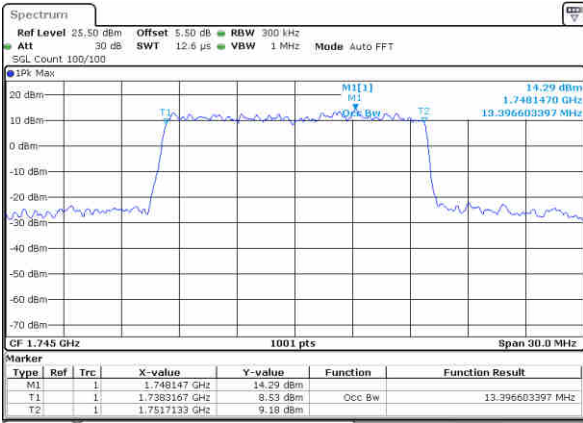
Date: 26 JUN 2020 11:46:53

Lowest Channel / 20MHz / 64QAM



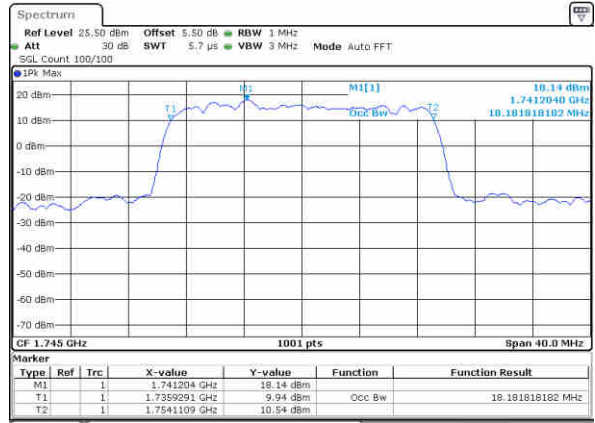
Date: 26 JUN 2020 12:38:45

Middle Channel / 15MHz / 64QAM



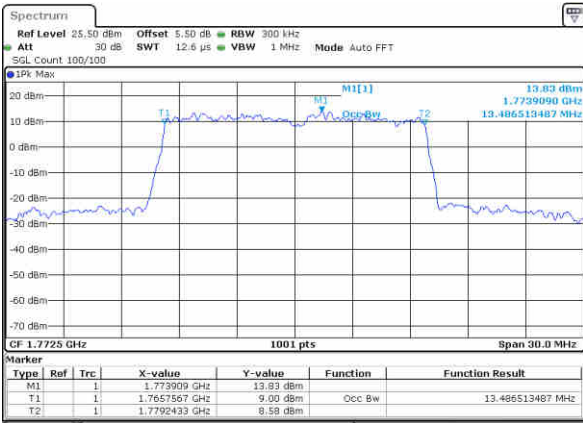
Date: 26 JUN 2020 11:52:08

Middle Channel / 20MHz / 64QAM



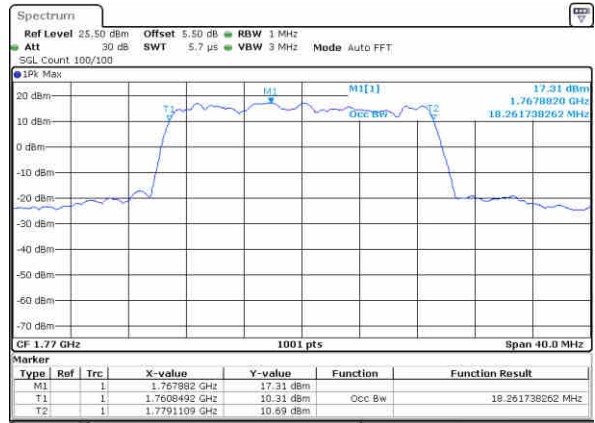
Date: 26 JUN 2020 12:49:59

Highest Channel / 15MHz / 64QAM



Date: 26 JUN 2020 11:55:01

Highest Channel / 20MHz / 64QAM



Date: 26 JUN 2020 12:54:54

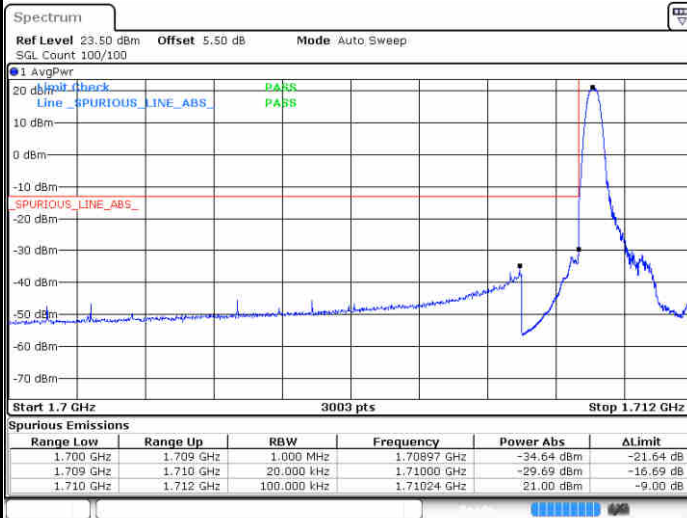


Conducted Band Edge



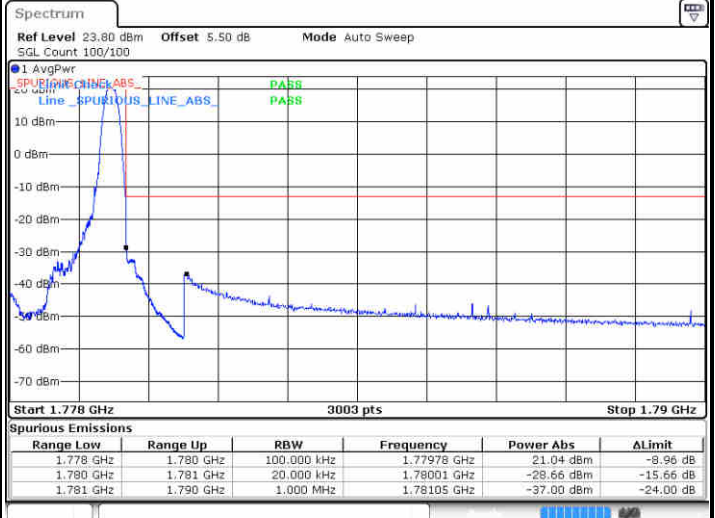
LTE Band 66 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



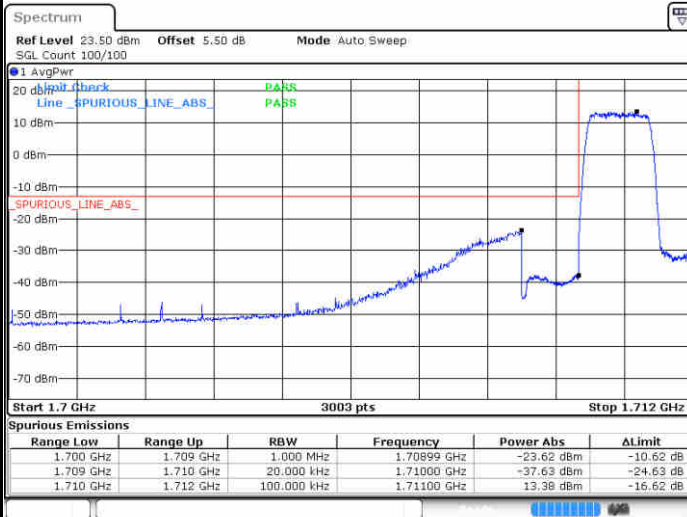
Date: 26 JUN 2020 11:46:58

Highest Band Edge / 1RB



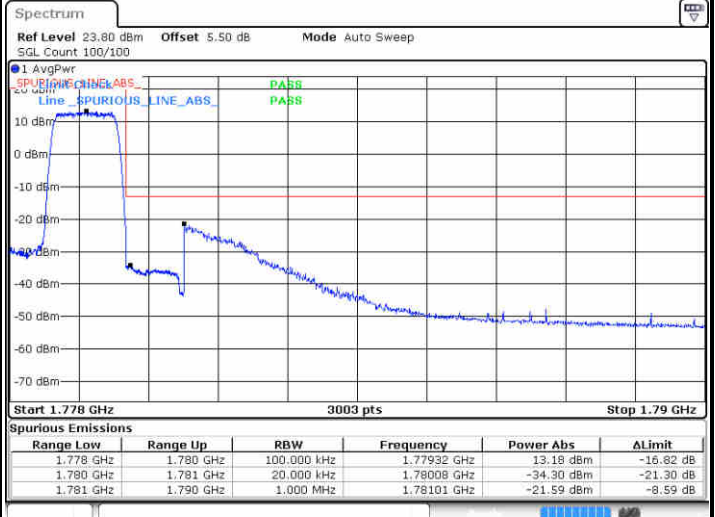
Date: 26 JUN 2020 12:00:49

Lowest Band Edge / Full RB



Date: 26 JUN 2020 11:37:43

Highest Band Edge / Full RB

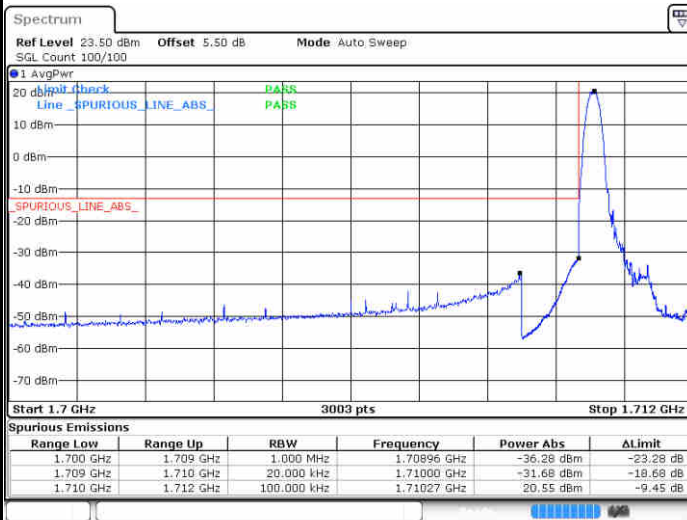


Date: 26 JUN 2020 11:53:34



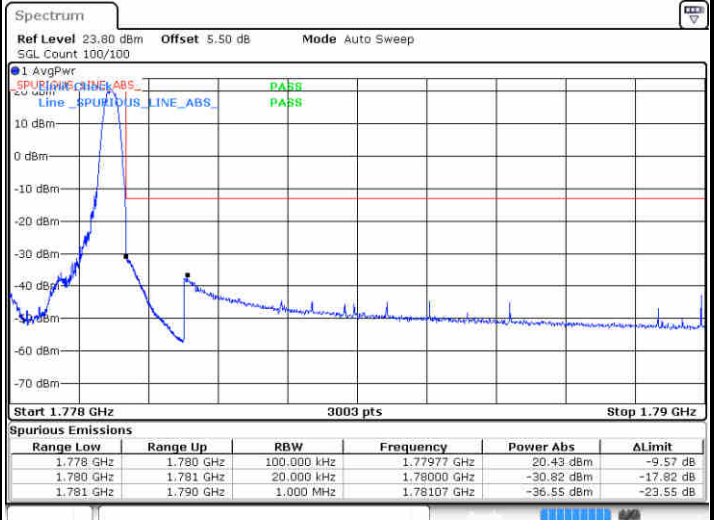
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



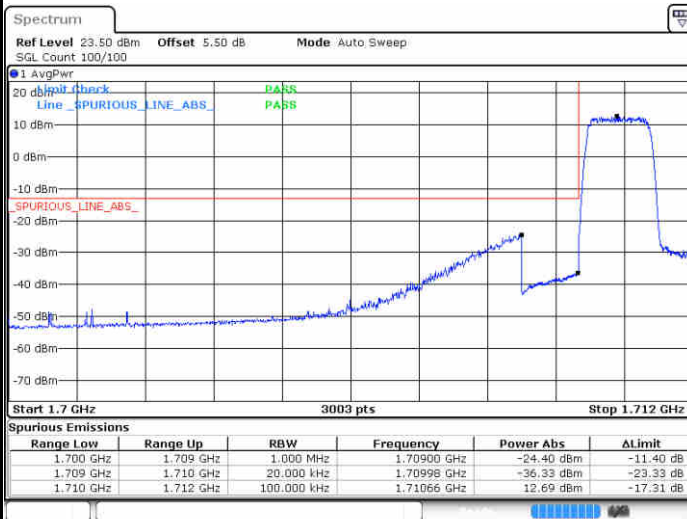
Date: 26 JUN 2020 11:45:08

Highest Band Edge / 1 RB



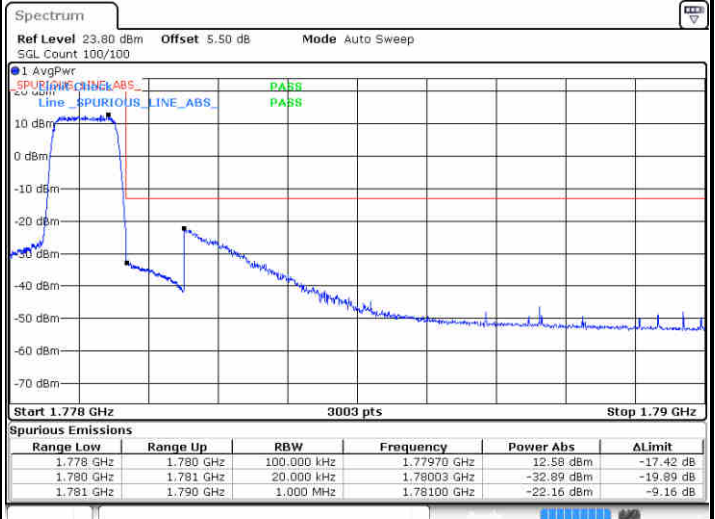
Date: 26 JUN 2020 12:02:55

Lowest Band Edge / Full RB



Date: 26 JUN 2020 11:39:07

Highest Band Edge / Full RB

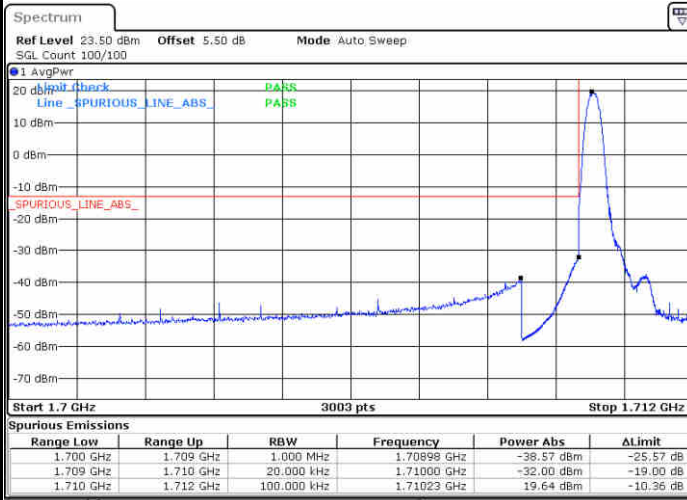


Date: 26 JUN 2020 11:55:02



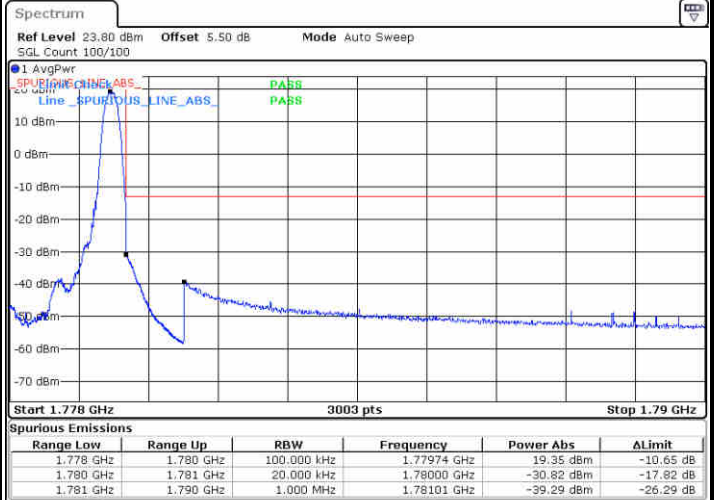
LTE Band 66 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



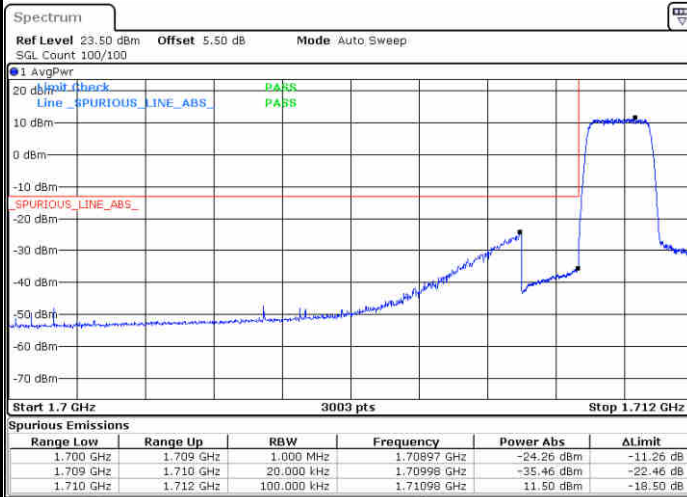
Date: 26 JUN 2020 11:41:57

Highest Band Edge / 1 RB



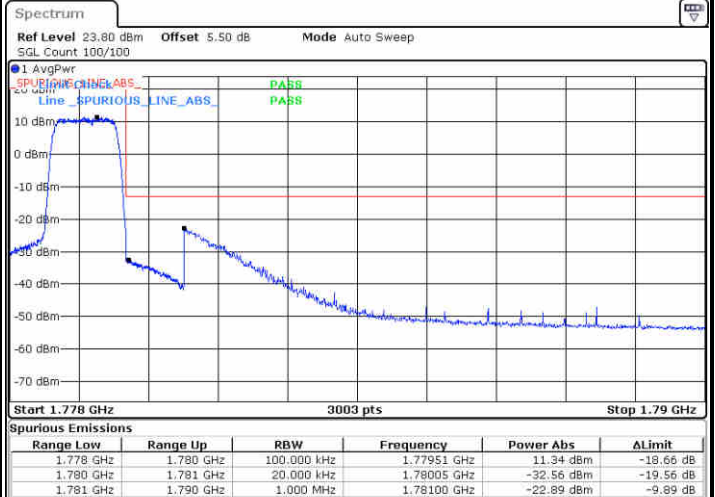
Date: 26 JUN 2020 12:04:06

Lowest Band Edge / Full RB



Date: 26 JUN 2020 11:40:34

Highest Band Edge / Full RB

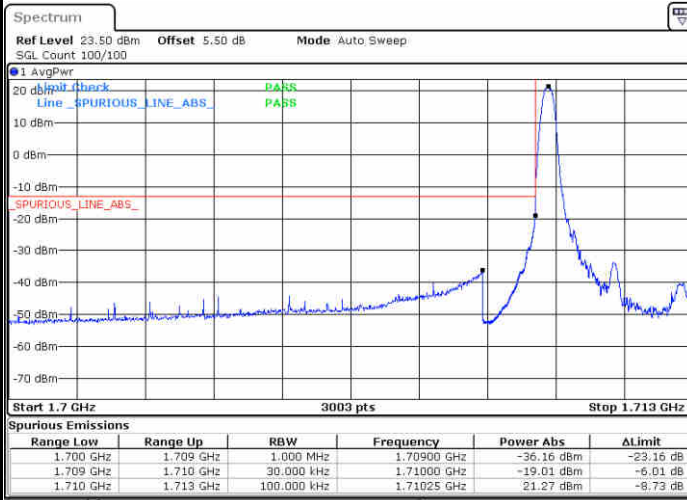


Date: 26 JUN 2020 11:56:23



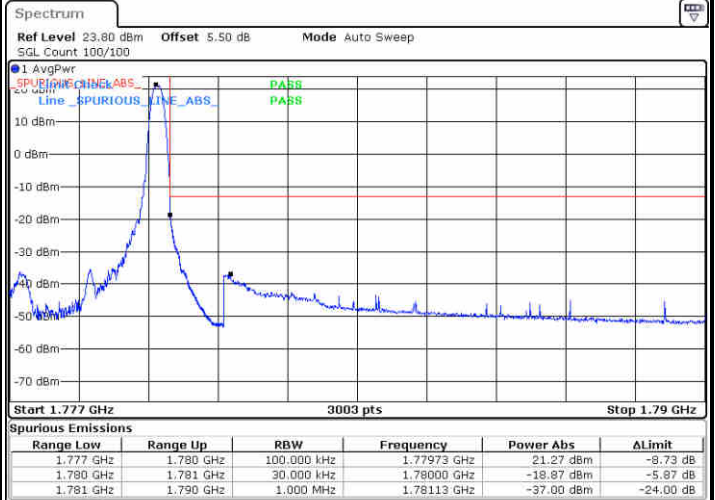
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



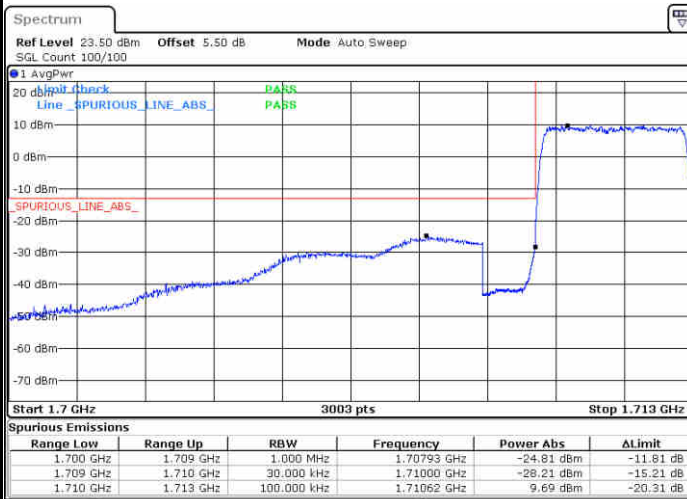
Date: 26 JUN 2020 12:09:33

Highest Band Edge / 1 RB



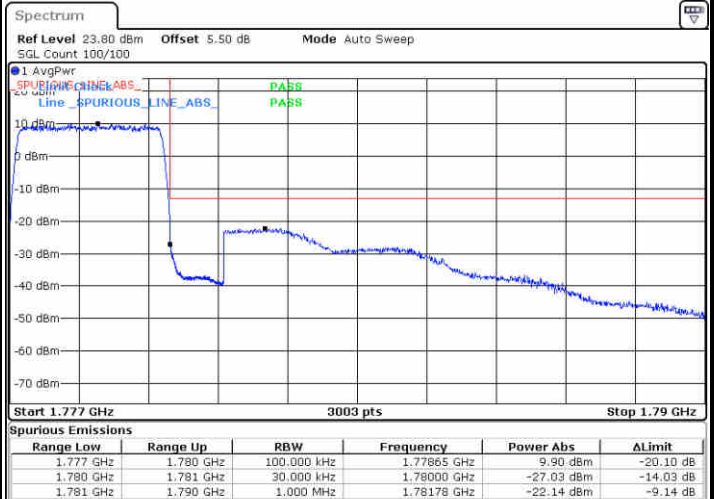
Date: 26 JUN 2020 11:14:06

Lowest Band Edge / Full RB



Date: 26 JUN 2020 12:08:38

Highest Band Edge / Full RB



Date: 26 JUN 2020 12:20:45