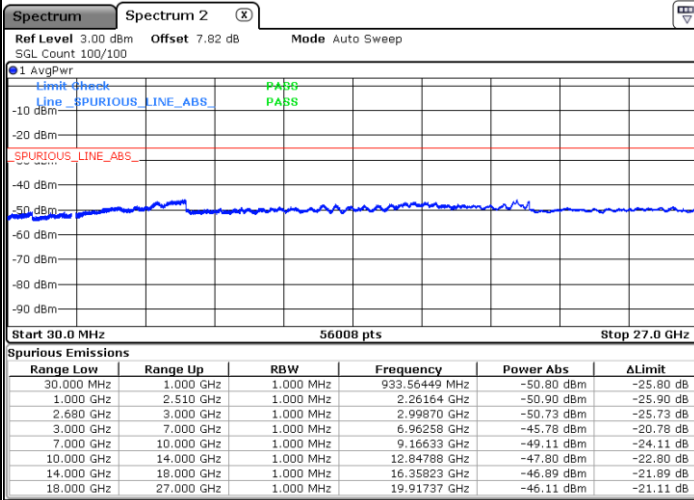




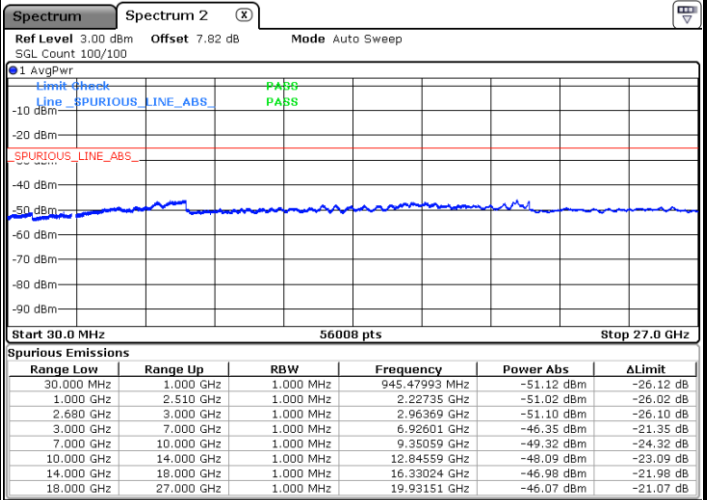
LTE Band 41 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

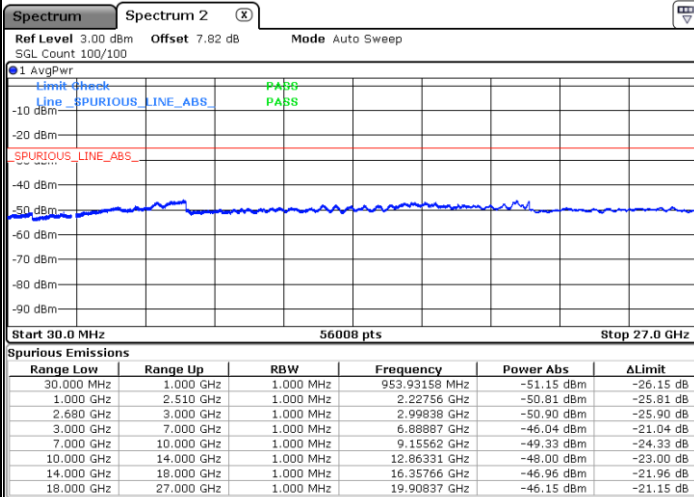


Date: 17.APR.2020 18:56:50



Date: 17.APR.2020 19:04:52

Highest Channel / 64QAM



Date: 17.APR.2020 19:06:31



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

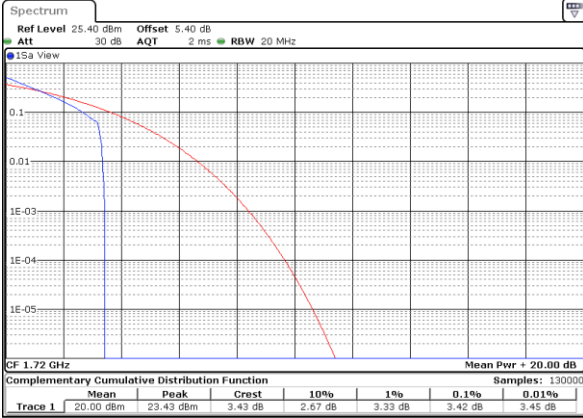
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.42	4.41	5.01	5.71	PASS
Middle CH	3.28	3.91	4.61	5.22	
Highest CH	3.28	4.46	4.41	5.74	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.10	5.74	-	-	PASS
Middle CH	4.81	5.19	-	-	
Highest CH	4.87	5.74	-	-	



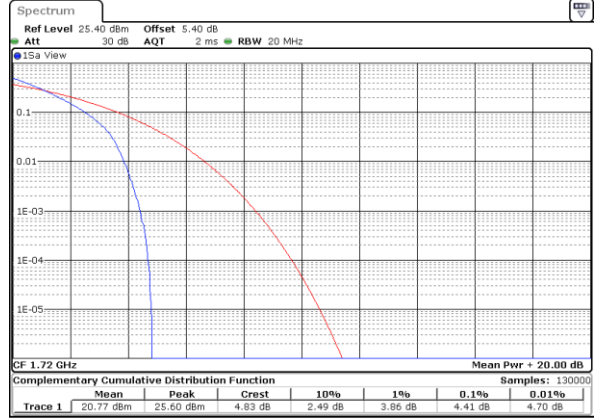
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



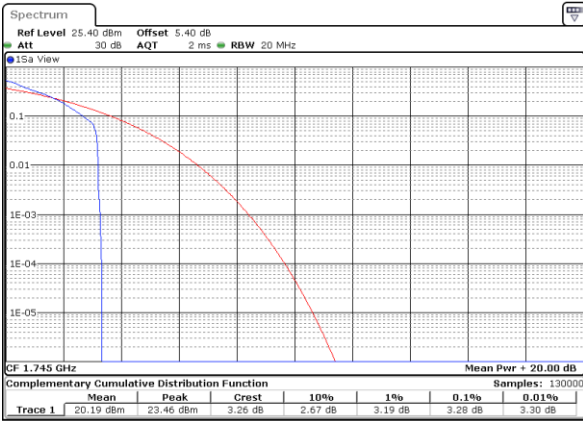
Date: 8 MAR 2020 14:44:18

Lowest Channel / Full RB



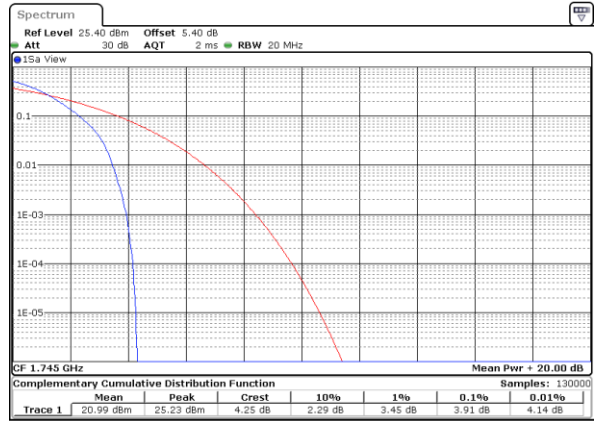
Date: 8 MAR 2020 14:43:37

Middle Channel / 1RB



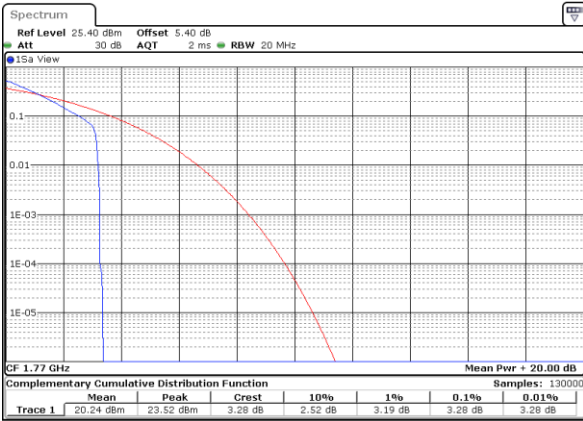
Date: 8 MAR 2020 14:49:40

Middle Channel / Full RB



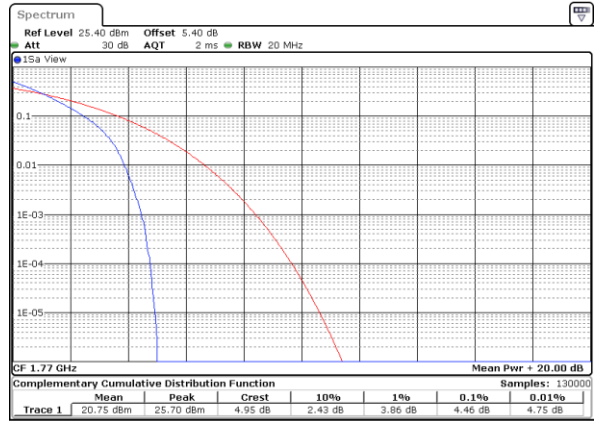
Date: 8 MAR 2020 14:50:46

Highest Channel / 1RB



Date: 8 MAR 2020 14:57:12

Highest Channel / Full RB

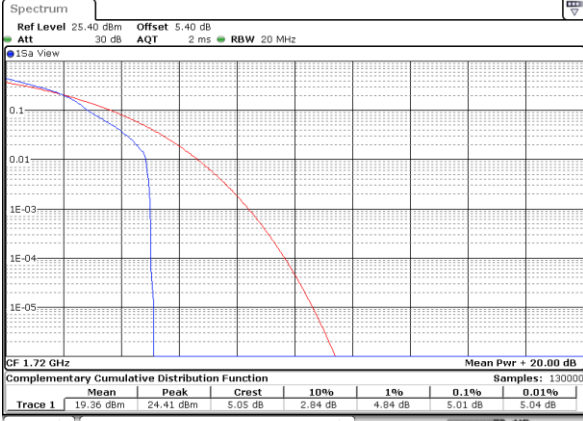


Date: 8 MAR 2020 14:53:42



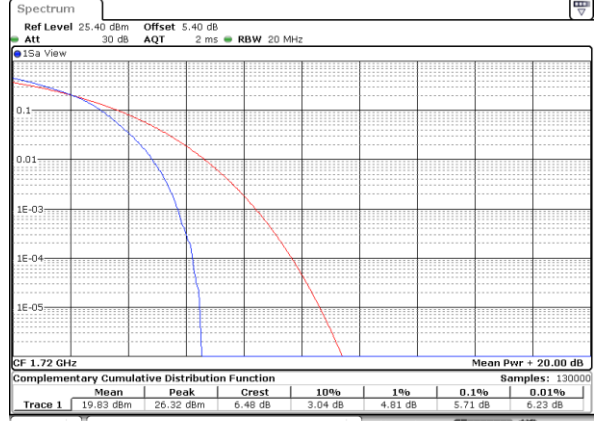
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



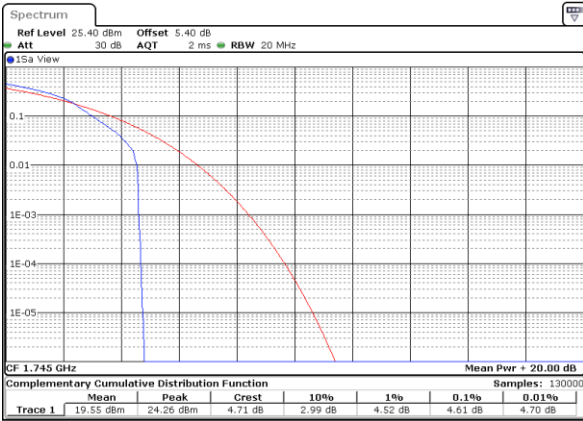
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Lowest Channel / Full RB



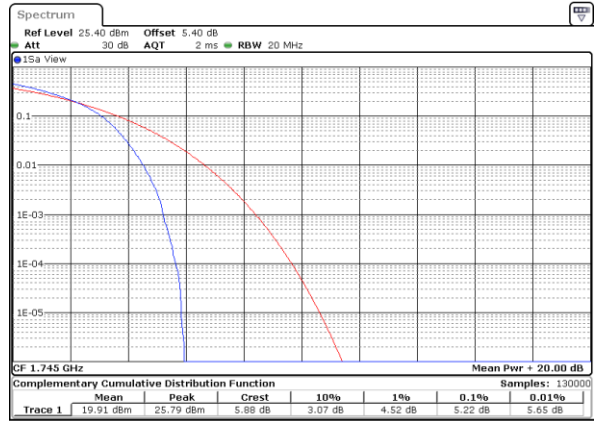
Date: 8 MAR 2020 14:42:43

Middle Channel / 1RB



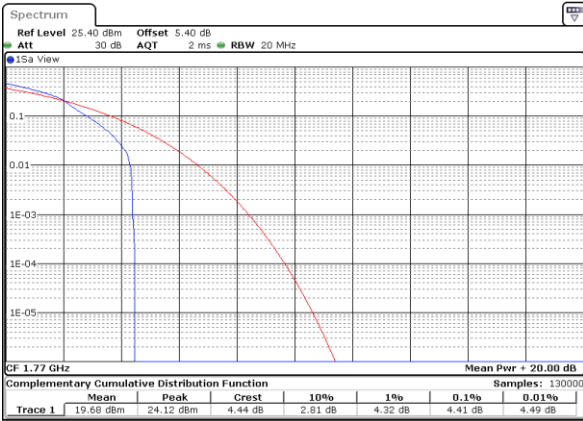
Date: 8 MAR 2020 14:48:36

Middle Channel / Full RB



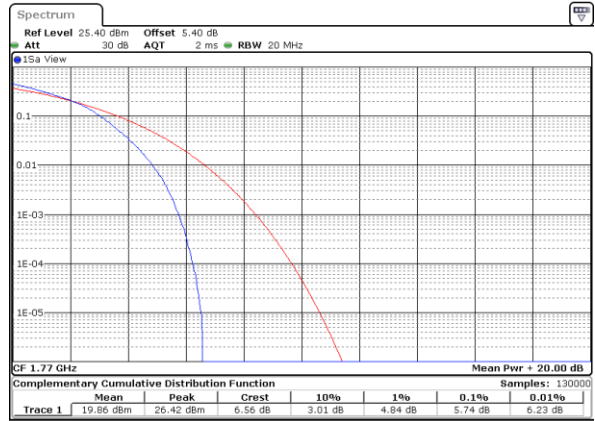
Date: 8 MAR 2020 14:51:15

Highest Channel / 1RB



Date: 8 MAR 2020 14:56:11

Highest Channel / Full RB

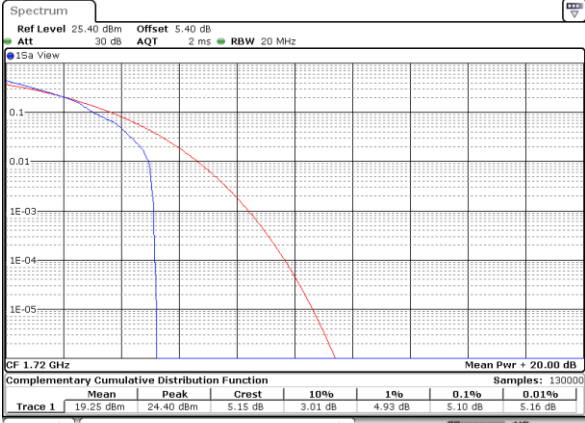


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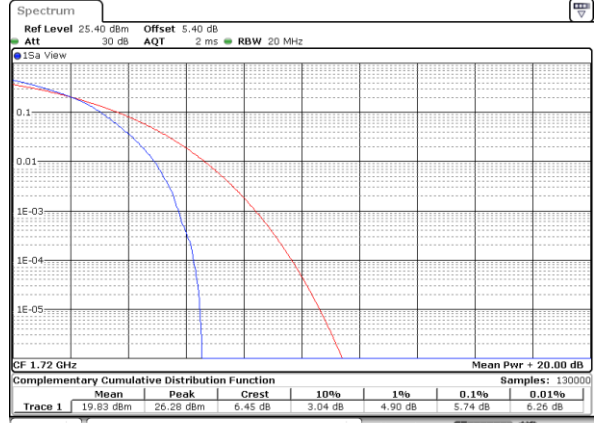
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



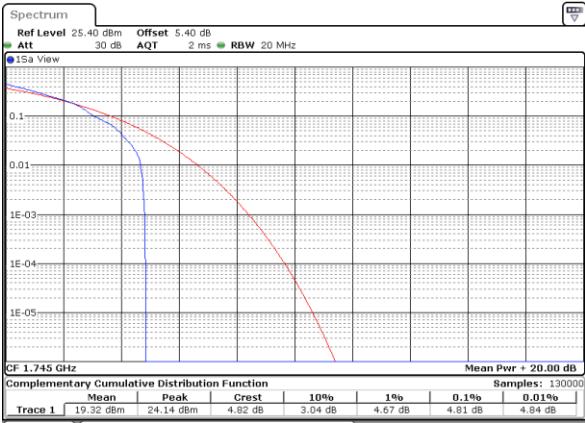
Date: 8 MAR 2020 14:46:31

Lowest Channel / Full RB



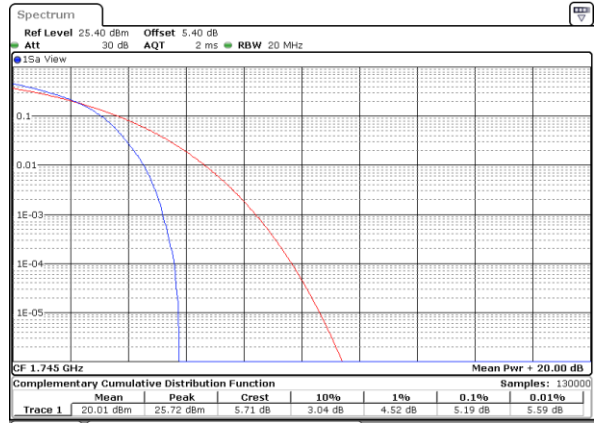
Date: 8 MAR 2020 14:42:04

Middle Channel / 1RB



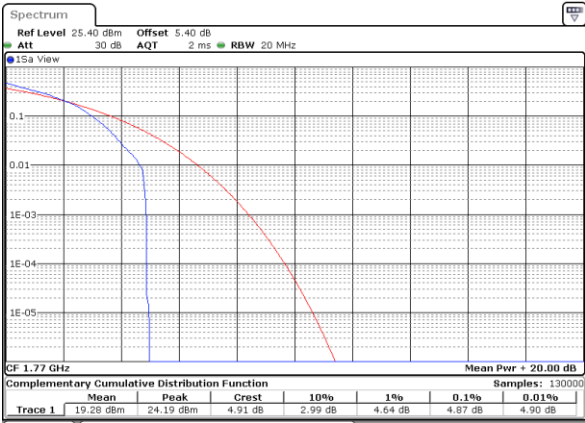
Date: 8 MAR 2020 14:47:44

Middle Channel / Full RB



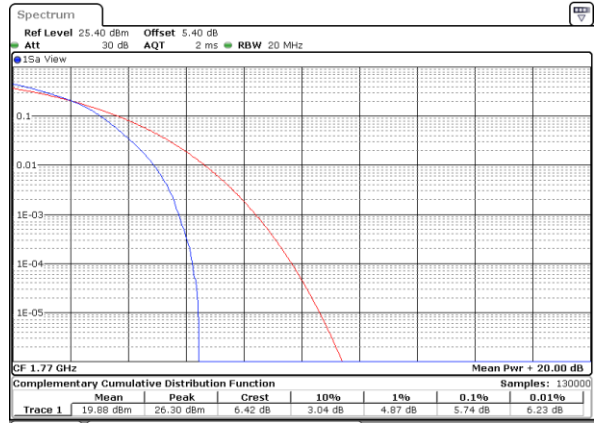
Date: 8 MAR 2020 14:51:45

Highest Channel / 1RB



Date: 8 MAR 2020 14:55:15

Highest Channel / Full RB



Date: 8 MAR 2020 14:52:17



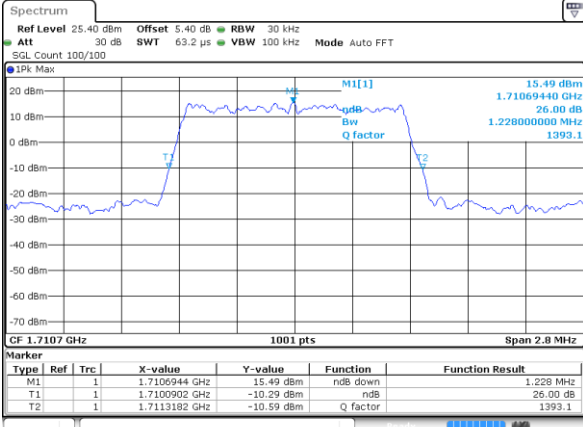
26dB Bandwidth

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	1.21	3.05	3.03	4.98	4.89	9.97	9.89	14.30	14.27	20.10	20.18
Middle CH	1.24	1.22	3.01	2.99	4.91	5.00	9.87	9.75	14.48	14.42	20.18	20.30
Highest CH	1.23	1.23	3.05	3.05	4.91	4.83	9.77	9.91	14.30	14.30	20.10	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	1.24	-	3.05	-	4.92	-	9.63	-	14.27	-	20.18	-
Middle CH	1.23	-	2.97	-	4.95	-	9.71	-	14.45	-	20.18	-
Highest CH	1.24	-	3.00	-	4.91	-	9.89	-	14.24	-	20.22	-



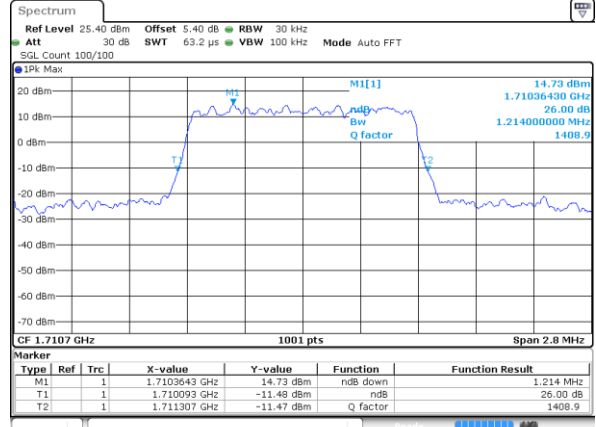
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



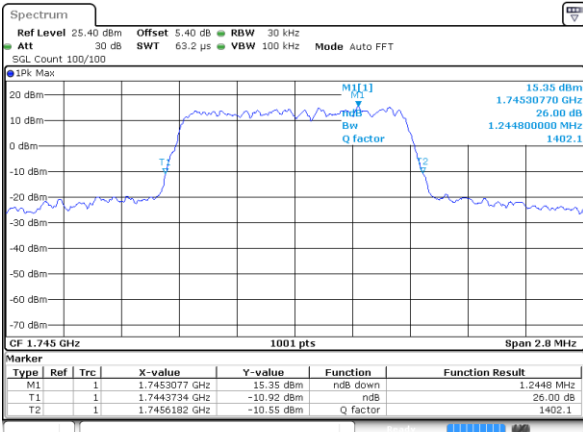
Date: 8 MAR 2020 12:01:45

Lowest Channel / 1.4MHz / 16QAM



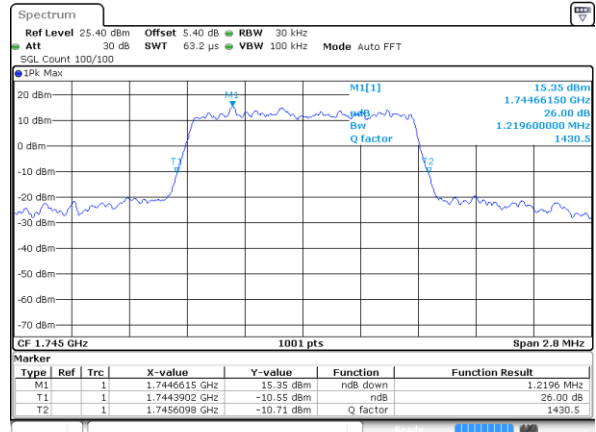
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Middle Channel / 1.4MHz / QPSK



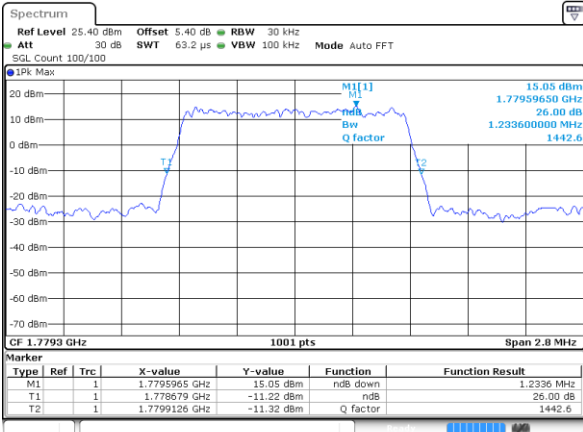
Date: 8 MAR 2020 12:47:10

Middle Channel / 1.4MHz / 16QAM



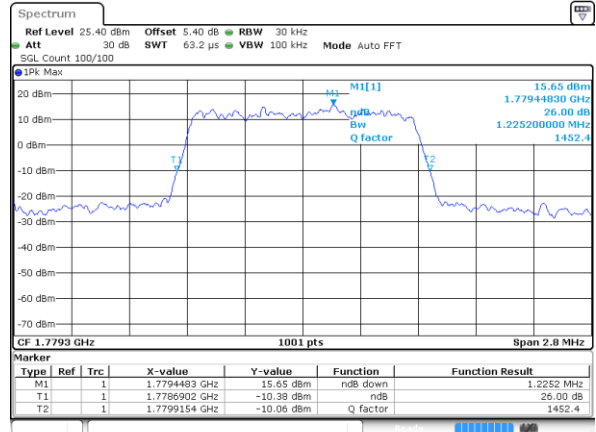
Date: 8 MAR 2020 12:47:39

Highest Channel / 1.4MHz / QPSK



Date: 8 MAR 2020 12:57:26

Highest Channel / 1.4MHz / 16QAM

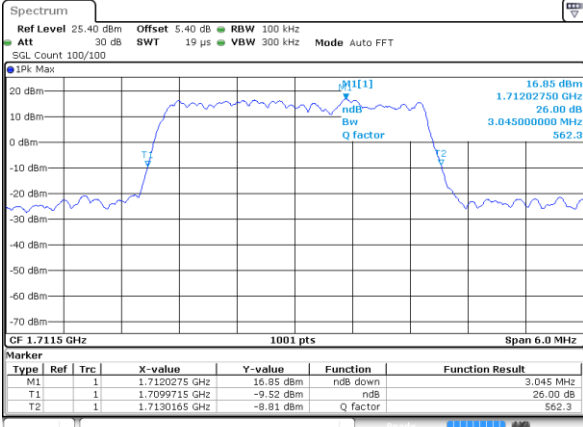


Date: 8 MAR 2020 12:59:20



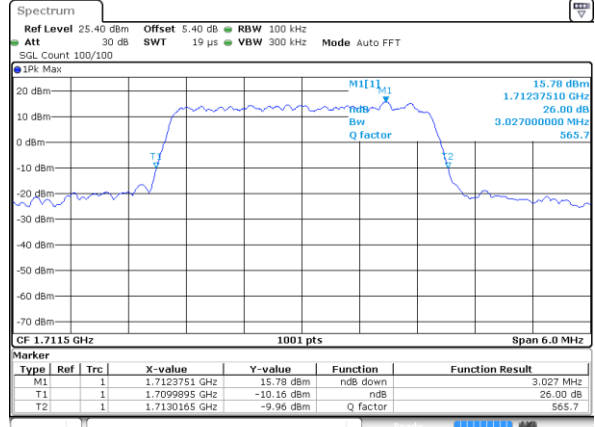
LTE Band 66

Lowest Channel / 3MHz / QPSK



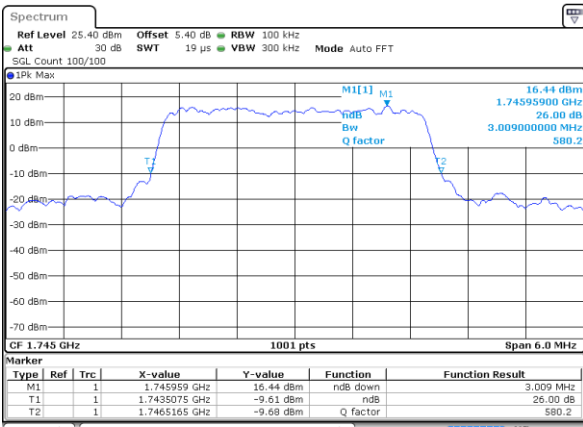
Date: 8 MAR 2020 13:06:14

Lowest Channel / 3MHz / 16QAM



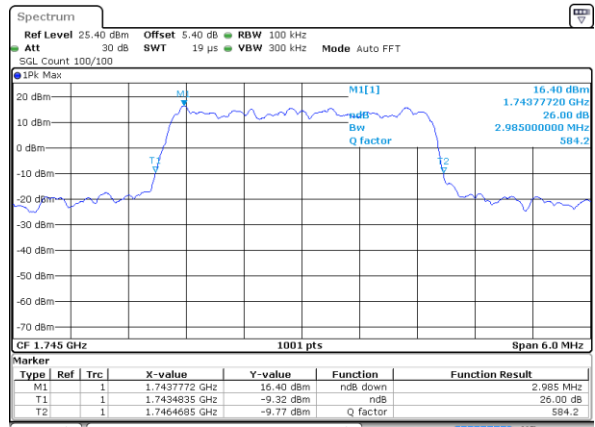
Date: 8 MAR 2020 13:07:26

Middle Channel / 3MHz / QPSK



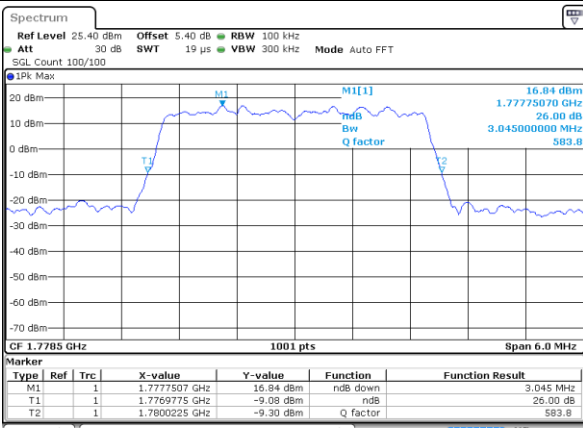
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Middle Channel / 3MHz / 16QAM



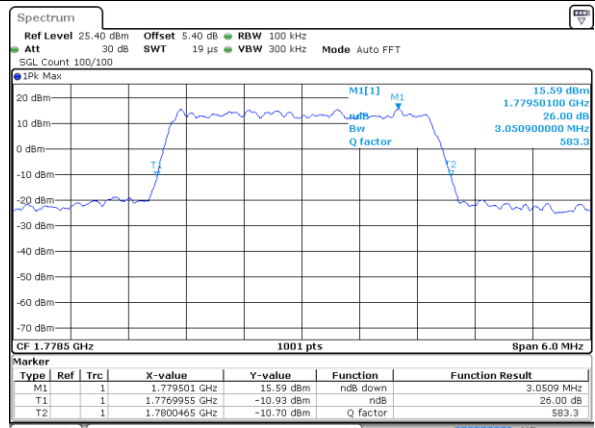
Date: 8 MAR 2020 13:18:43

Highest Channel / 3MHz / QPSK



Date: 8 MAR 2020 13:19:46

Highest Channel / 3MHz / 16QAM

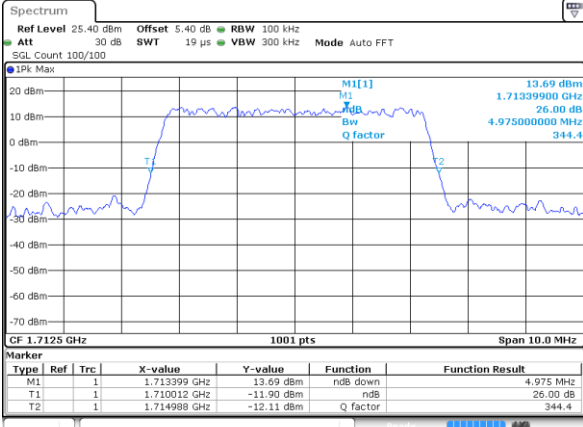


Date: 8 MAR 2020 13:20:10



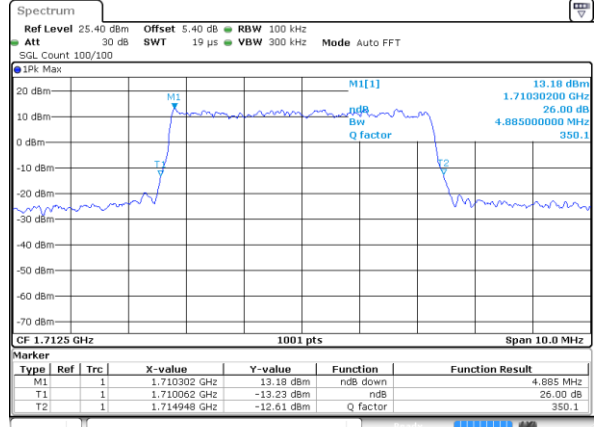
LTE Band 66

Lowest Channel / 5MHz / QPSK



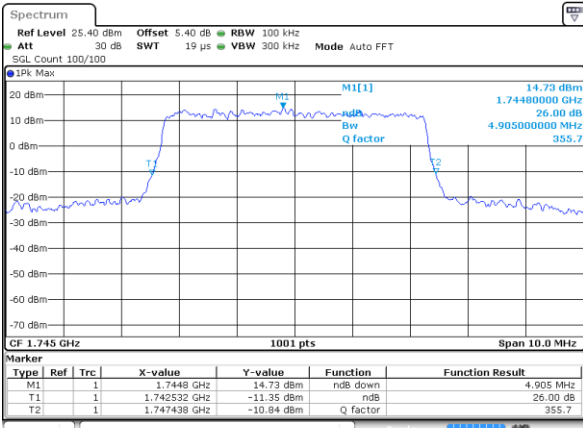
Date: 8 MAR 2020 13:47:00

Lowest Channel / 5MHz / 16QAM



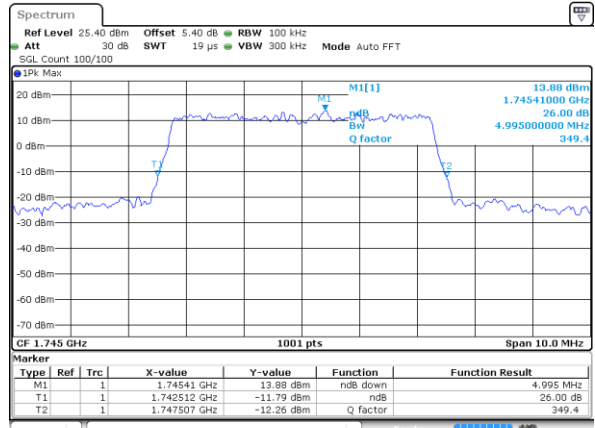
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Middle Channel / 5MHz / QPSK



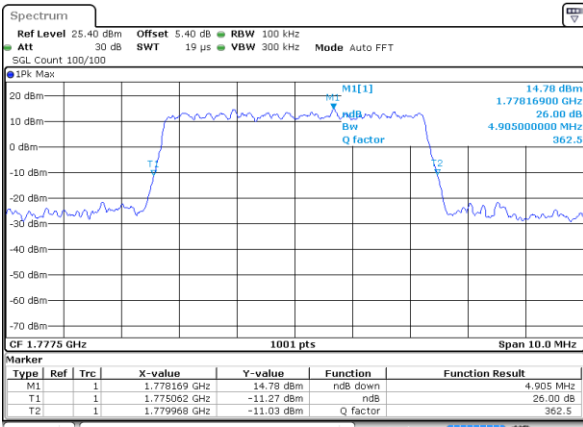
Date: 8 MAR 2020 13:55:28

Middle Channel / 5MHz / 16QAM



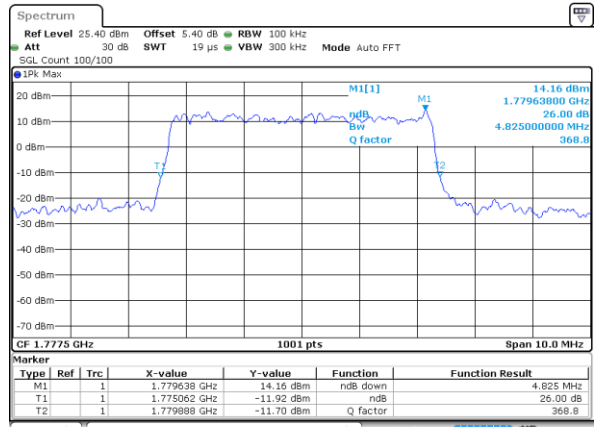
Date: 8 MAR 2020 13:55:50

Highest Channel / 5MHz / QPSK



Date: 8 MAR 2020 13:58:32

Highest Channel / 5MHz / 16QAM

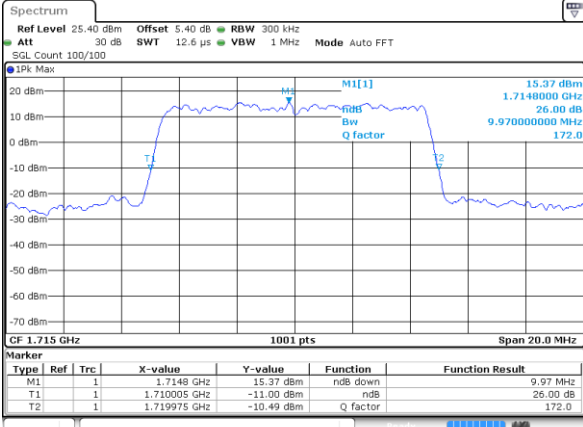


Date: 8 MAR 2020 13:57:37



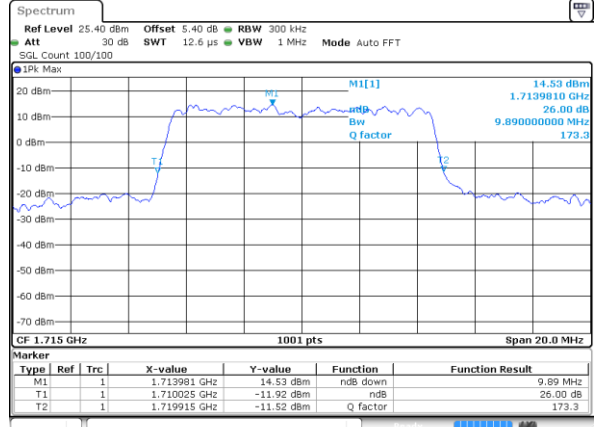
LTE Band 66

Lowest Channel / 10MHz / QPSK



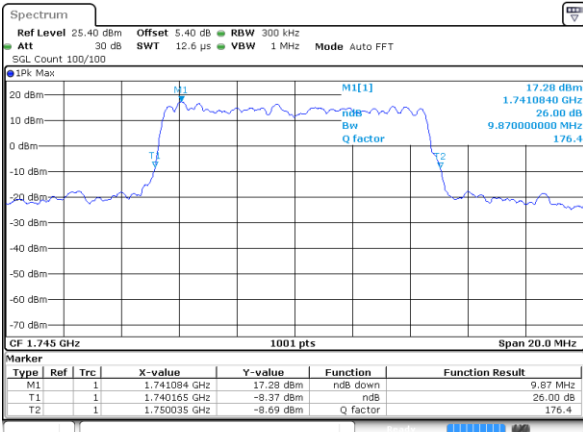
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Lowest Channel / 10MHz / 16QAM



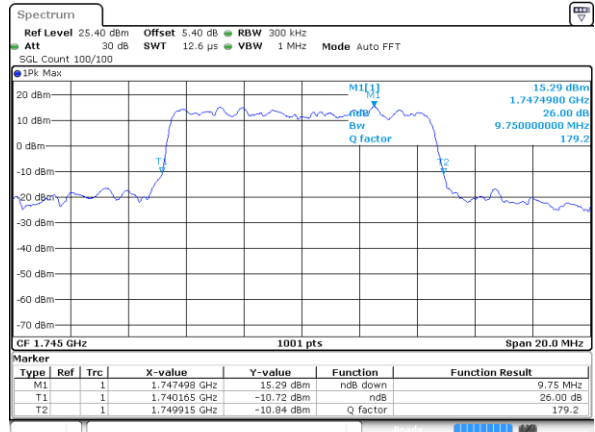
Date: 8 MAR 2020 14:06:04

Middle Channel / 10MHz / QPSK



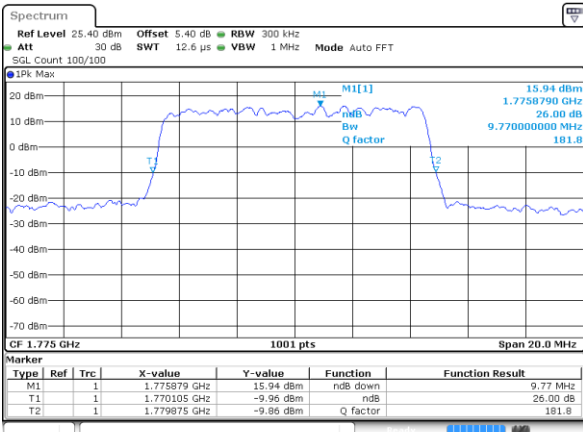
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Middle Channel / 10MHz / 16QAM



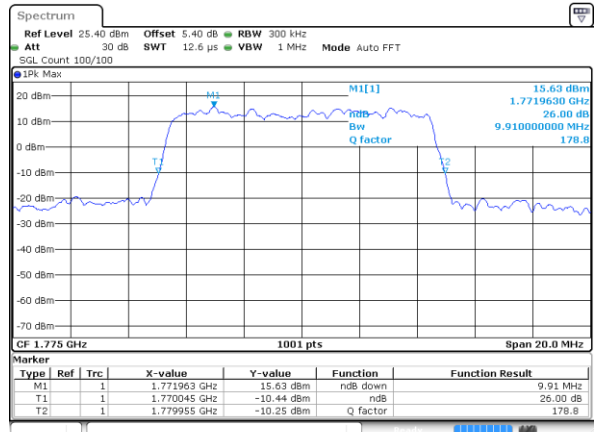
Date: 8 MAR 2020 14:13:13

Highest Channel / 10MHz / QPSK



Date: 8 MAR 2020 14:14:13

Highest Channel / 10MHz / 16QAM

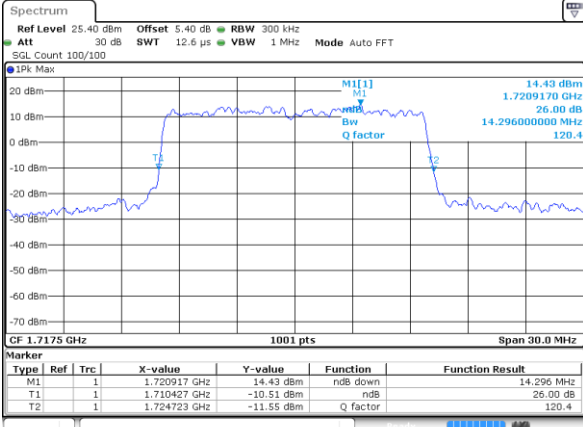


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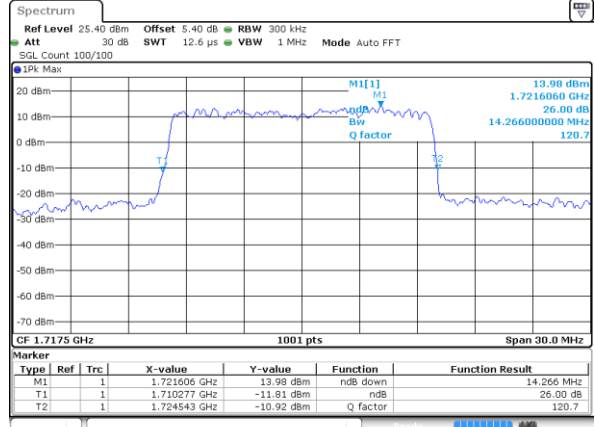
LTE Band 66

Lowest Channel / 15MHz / QPSK



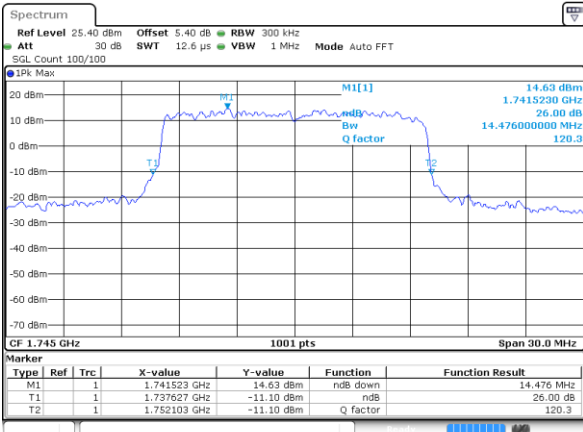
Date: 8 MAR 2020 14:27:39

Lowest Channel / 15MHz / 16QAM



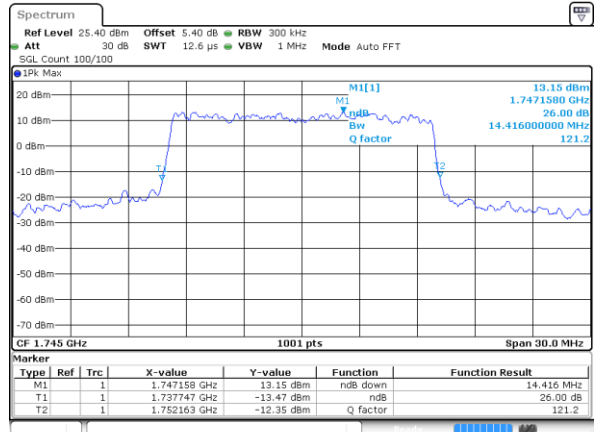
Date: 8 MAR 2020 14:27:01

Middle Channel / 15MHz / QPSK



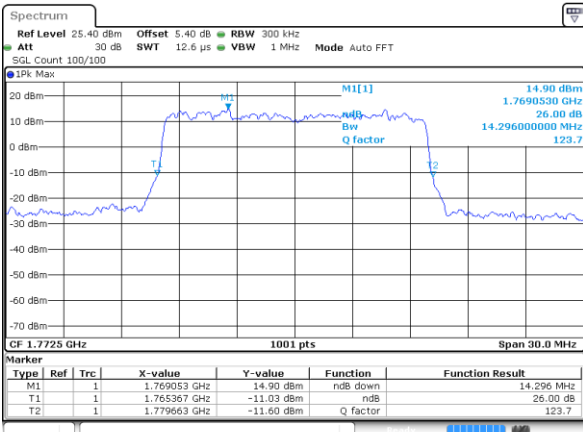
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Middle Channel / 15MHz / 16QAM



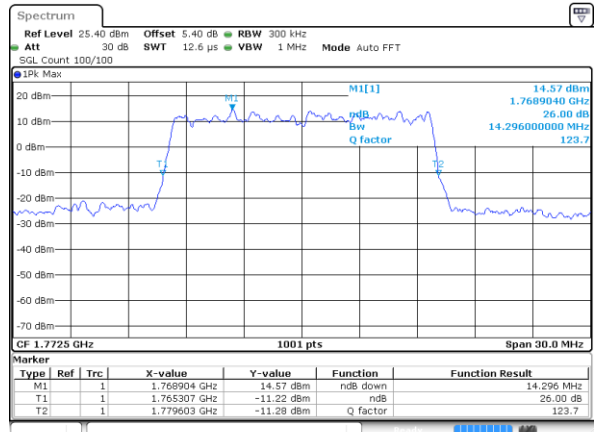
Date: 8 MAR 2020 14:34:56

Highest Channel / 15MHz / QPSK



Date: 8 MAR 2020 14:36:53

Highest Channel / 15MHz / 16QAM

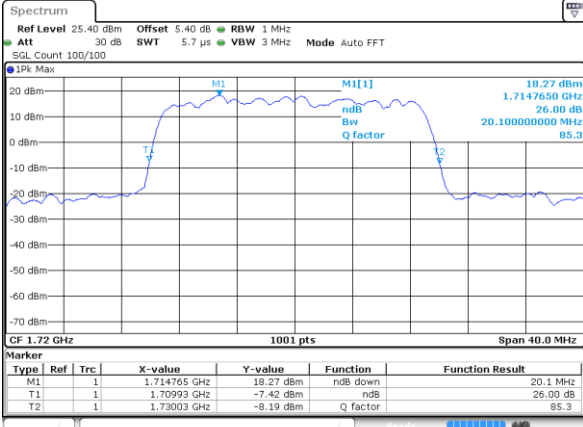


Date: 8 MAR 2020 14:36:20



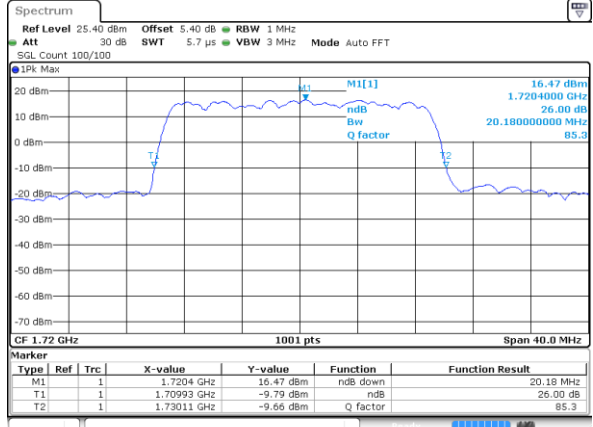
LTE Band 66

Lowest Channel / 20MHz / QPSK



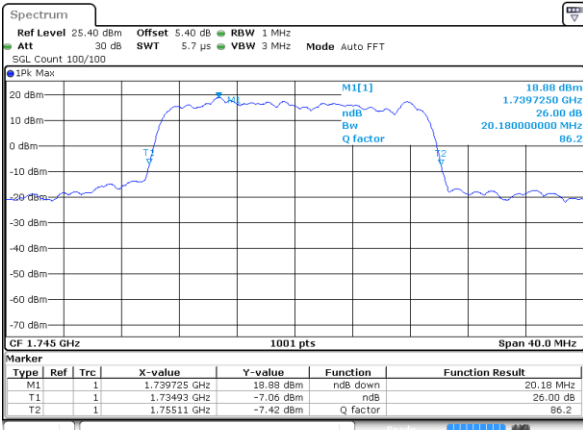
Date: 8 MAR 2020 14:43:53

Lowest Channel / 20MHz / 16QAM



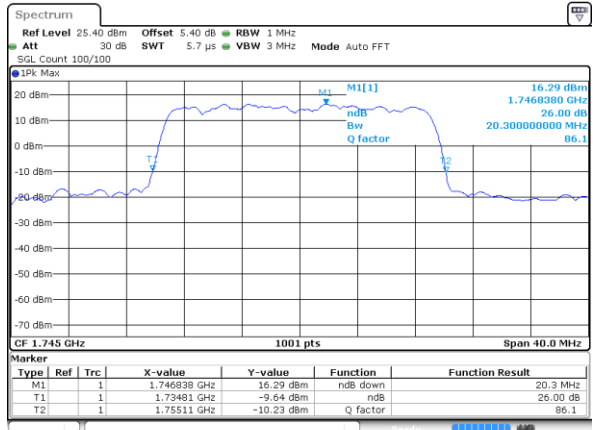
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Middle Channel / 20MHz / QPSK



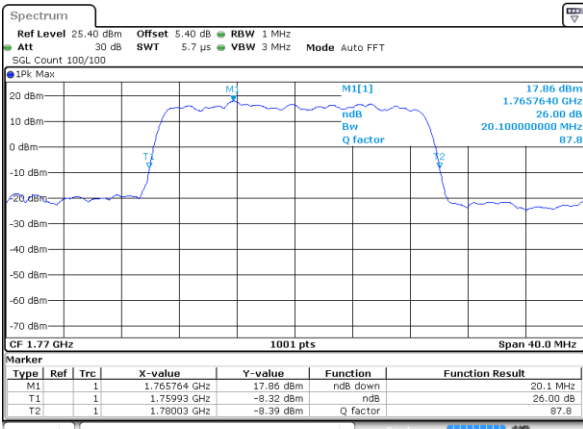
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Middle Channel / 20MHz / 16QAM



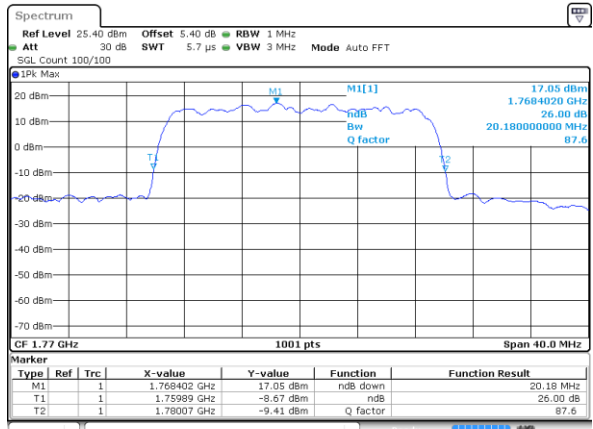
Date: 8 MAR 2020 14:51:29

Highest Channel / 20MHz / QPSK



Date: 8 MAR 2020 14:53:56

Highest Channel / 20MHz / 16QAM

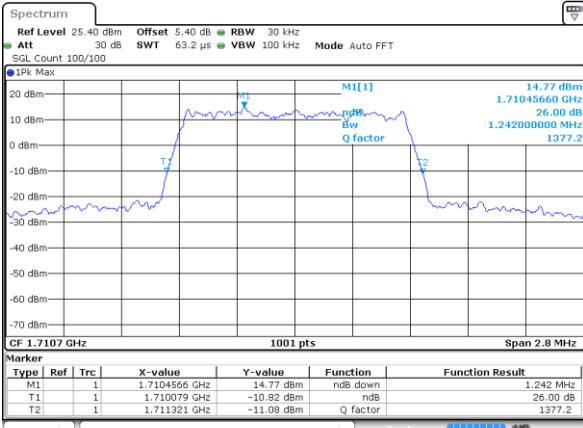


Date: 8 MAR 2020 14:53:13



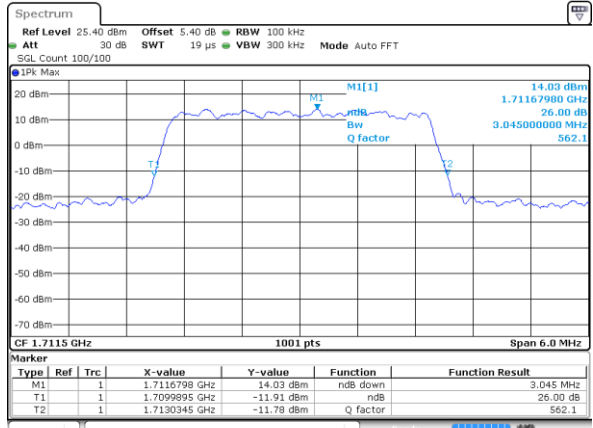
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



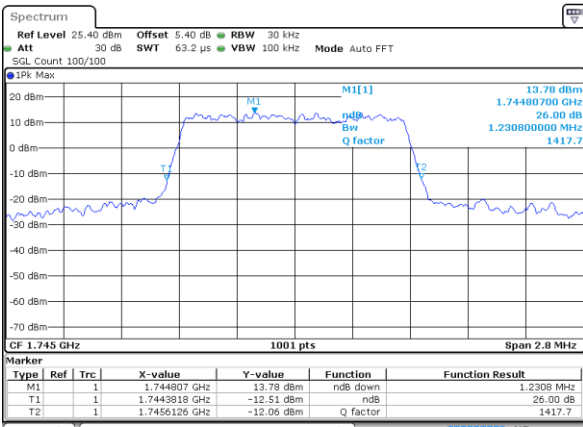
Date: 8 MAR 2020 12:05:05

Lowest Channel / 3MHz / 64QAM



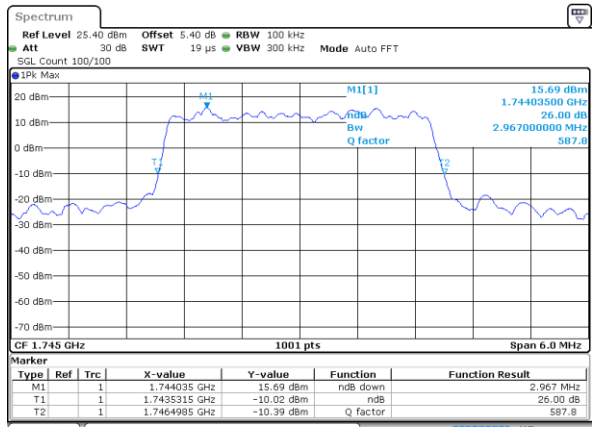
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Middle Channel / 20MHz / 64QAM



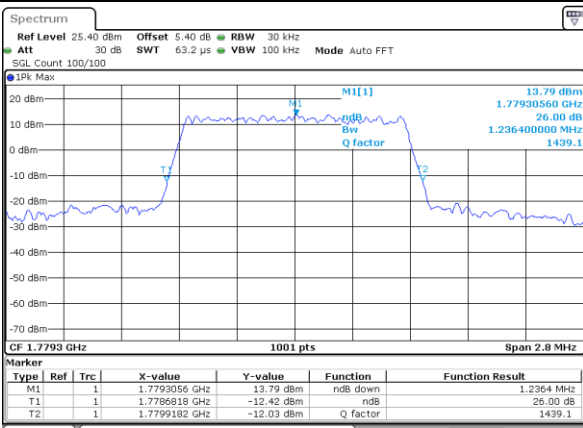
Date: 8 MAR 2020 12:48:01

Middle Channel / 3MHz / 64QAM



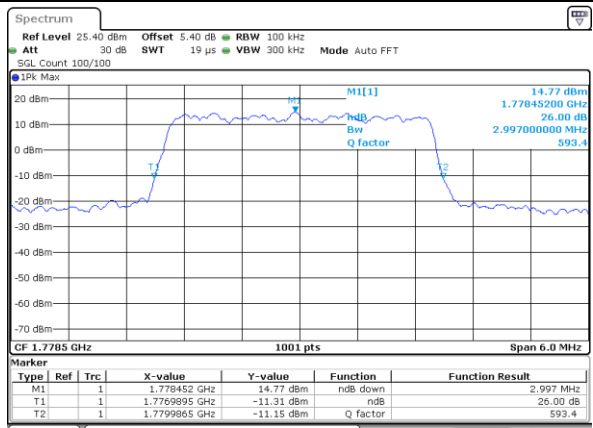
Date: 8 MAR 2020 13:18:15

Highest Channel / 20MHz / 64QAM



Date: 8 MAR 2020 13:00:45

Highest Channel / 3MHz / 64QAM

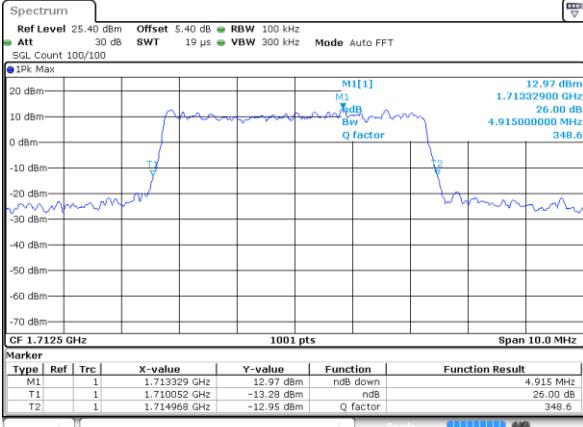


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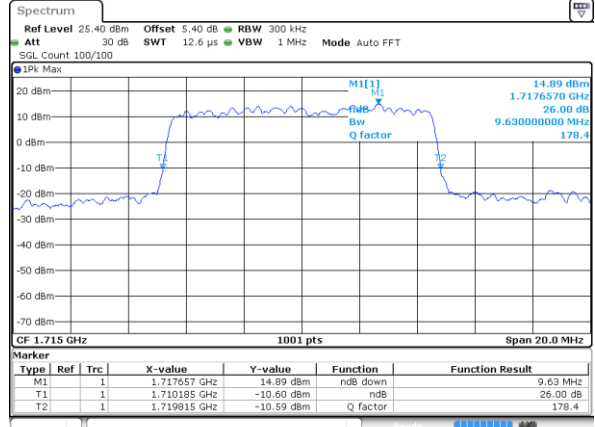
LTE Band 66

Lowest Channel / 5MHz / 64QAM



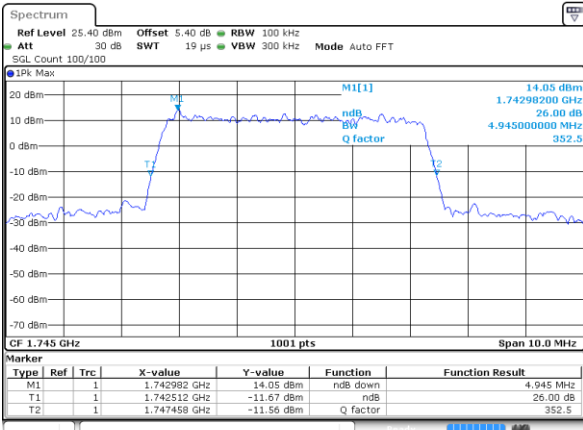
Date: 8 MAR 2020 13:47:50

Lowest Channel / 10MHz / 64QAM



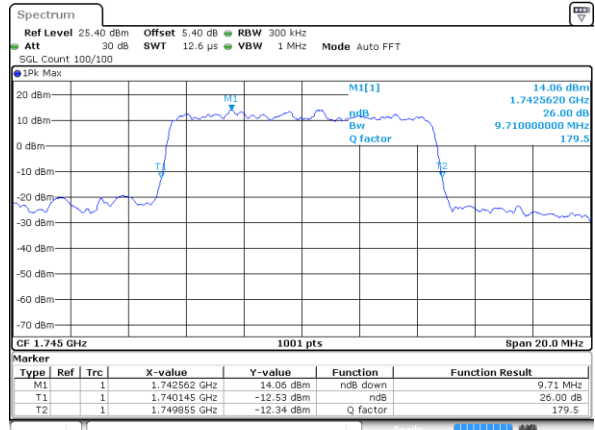
Date: 8 MAR 2020 14:06:44

Middle Channel / 5MHz / 64QAM



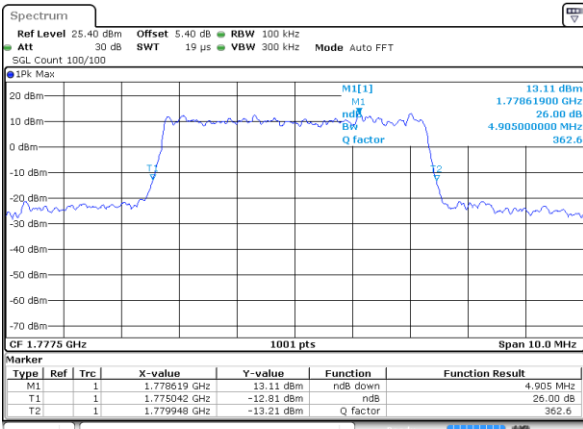
Date: 8 MAR 2020 13:56:13

Middle Channel / 10MHz / 64QAM



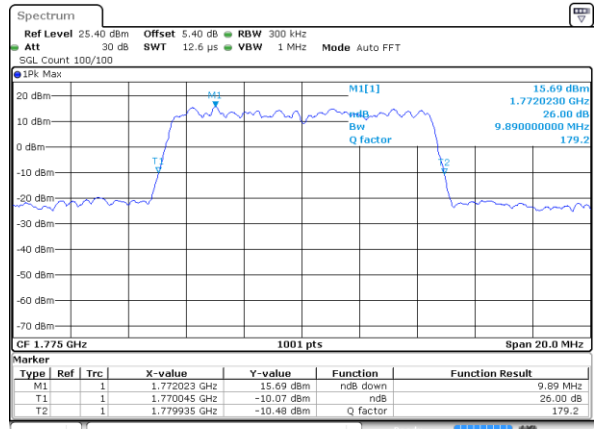
Date: 8 MAR 2020 14:12:51

Highest Channel / 5MHz / 64QAM



Date: 8 MAR 2020 13:56:56

Highest Channel / 10MHz / 64QAM

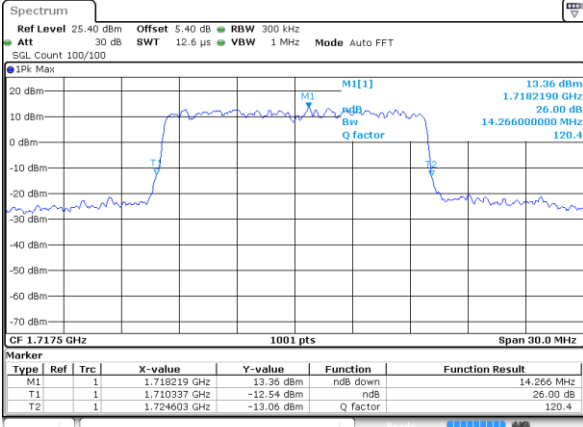


Date: 8 MAR 2020 14:17:58



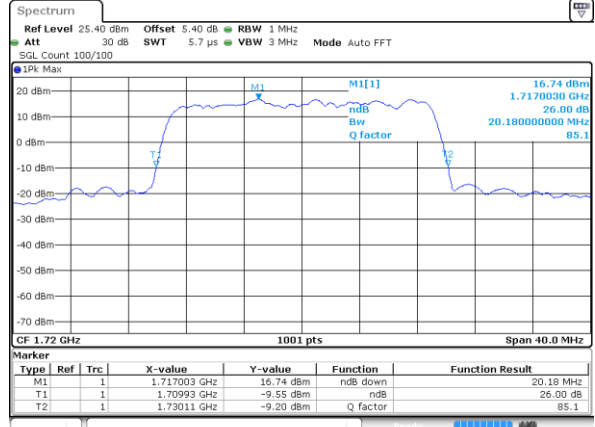
LTE Band 66

Lowest Channel / 15MHz / 64QAM



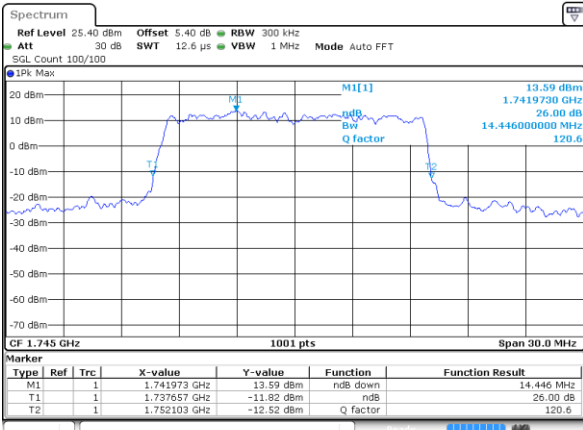
Date: 8 MAR 2020 14:26:24

Lowest Channel / 20MHz / 64QAM



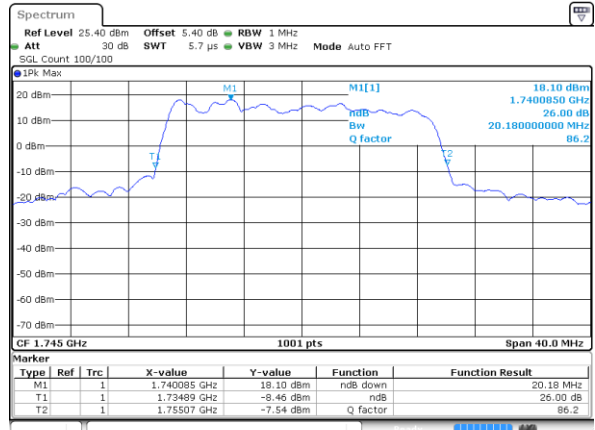
Date: 8 MAR 2020 14:42:18

Middle Channel / 15MHz / 64QAM



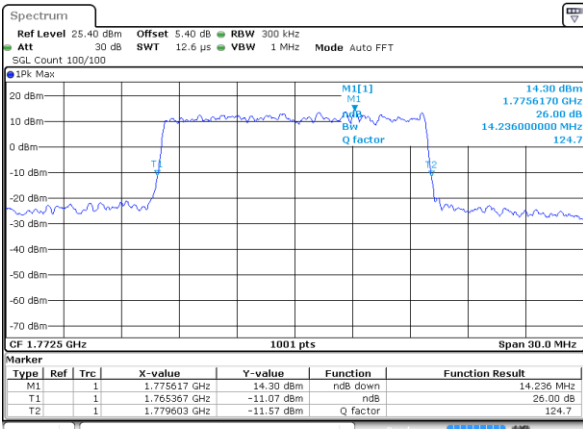
Date: 8 MAR 2020 14:35:18

Middle Channel / 20MHz / 64QAM



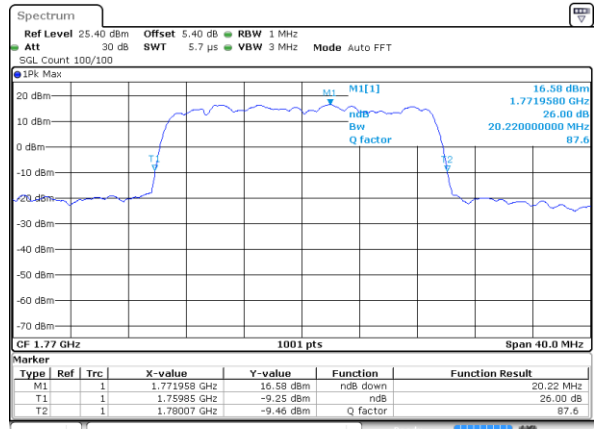
Date: 8 MAR 2020 14:51:59

Highest Channel / 15MHz / 64QAM



Date: 8 MAR 2020 14:35:54

Highest Channel / 20MHz / 64QAM



Date: 8 MAR 2020 14:52:32



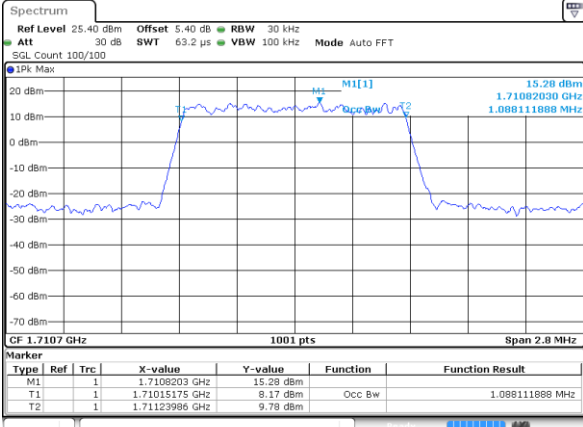
Occupied Bandwidth

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	1.08	2.73	2.70	4.50	4.48	9.01	9.03	13.40	13.40	18.38	18.50
Middle CH	1.09	1.09	2.72	2.71	4.50	4.47	8.95	9.03	13.37	13.43	18.34	18.18
Highest CH	1.09	1.09	2.72	2.73	4.47	4.50	9.05	9.03	13.49	13.37	18.42	18.34
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	-	2.72	-	4.49	-	8.97	-	13.46	-	18.38	-
Middle CH	1.09	-	2.73	-	4.47	-	8.99	-	13.49	-	18.46	-
Highest CH	1.09	-	2.72	-	4.50	-	9.07	-	13.43	-	18.30	-



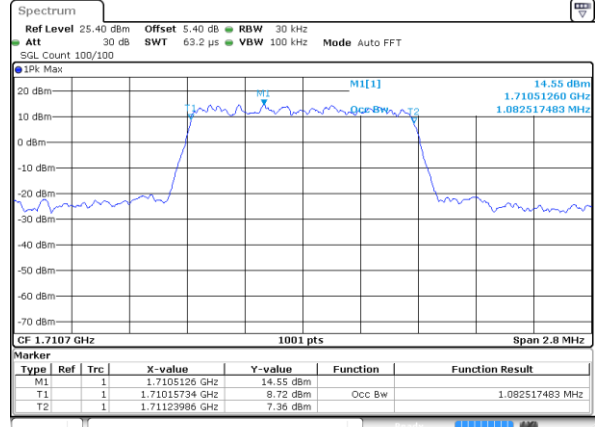
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



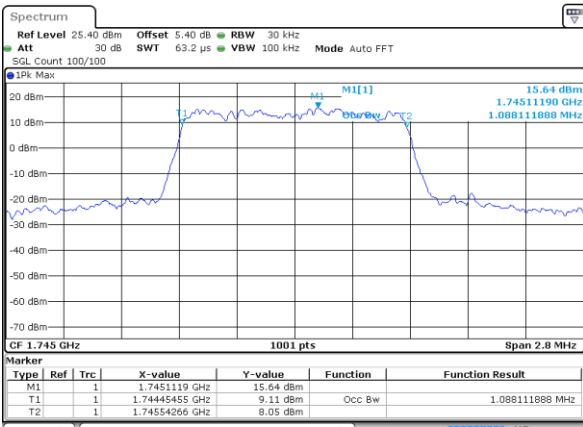
Date: 8 MAR 2020 12:01:37

Lowest Channel / 1.4MHz / 16QAM



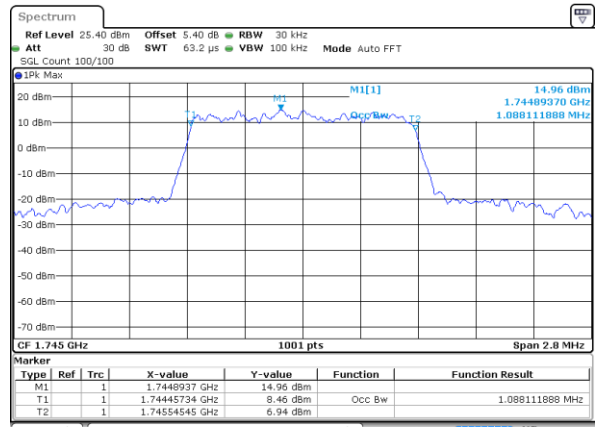
Date: 8 MAR 2020 12:03:22

Middle Channel / 1.4MHz / QPSK



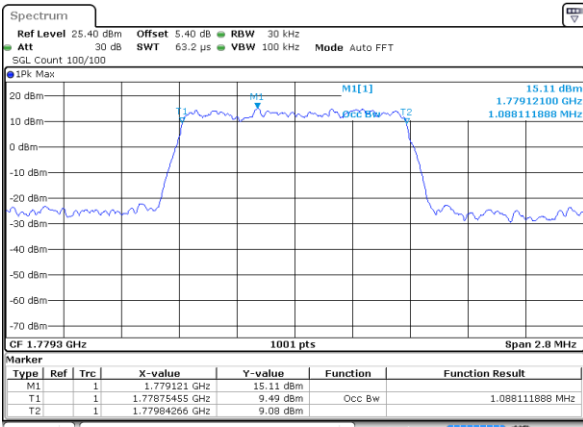
Date: 8 MAR 2020 12:47:02

Middle Channel / 1.4MHz / 16QAM



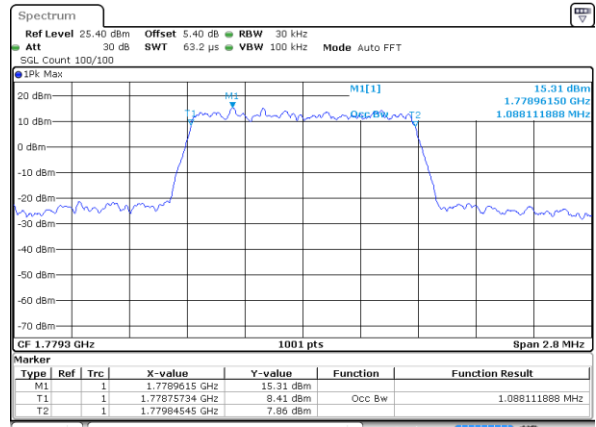
Date: 8 MAR 2020 12:47:32

Highest Channel / 1.4MHz / QPSK



Date: 8 MAR 2020 12:57:16

Highest Channel / 1.4MHz / 16QAM

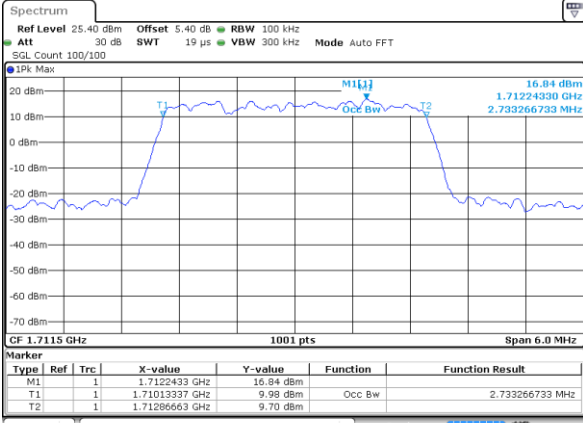


Date: 8 MAR 2020 12:59:13



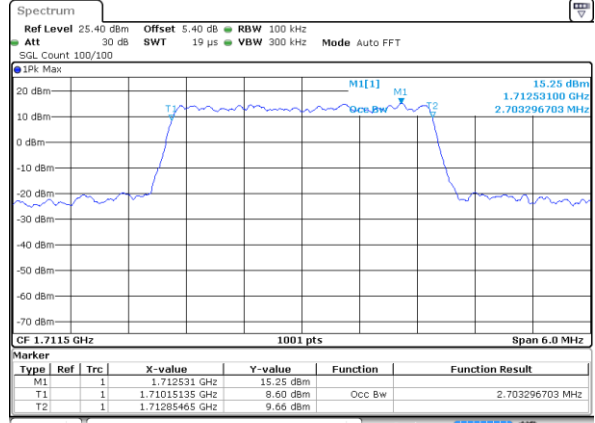
LTE Band 66

Lowest Channel / 3MHz / QPSK



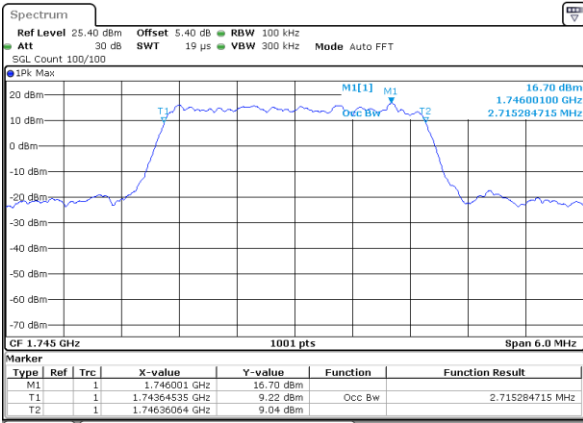
Date: 8 MAR 2020 13:06:04

Lowest Channel / 3MHz / 16QAM



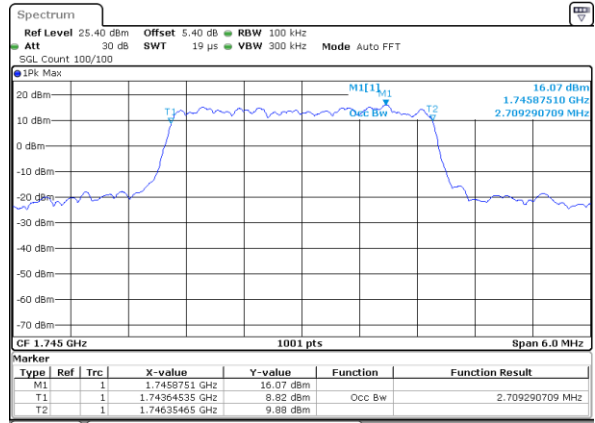
Date: 8 MAR 2020 13:07:19

Middle Channel / 3MHz / QPSK



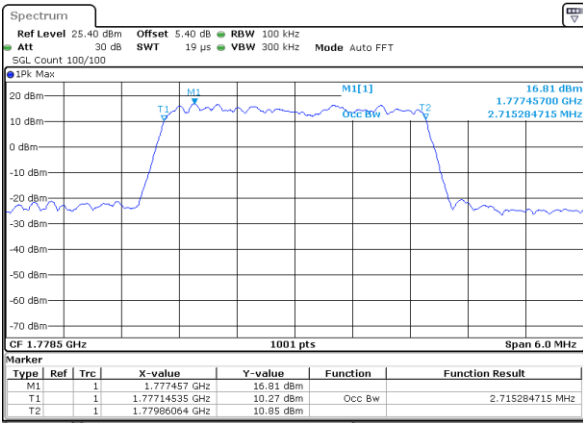
Date: 8 MAR 2020 13:18:58

Middle Channel / 3MHz / 16QAM



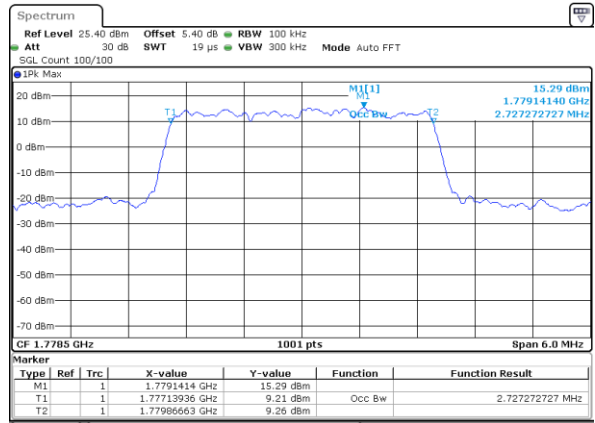
Date: 8 MAR 2020 13:18:36

Highest Channel / 3MHz / QPSK



Date: 8 MAR 2020 13:19:39

Highest Channel / 3MHz / 16QAM

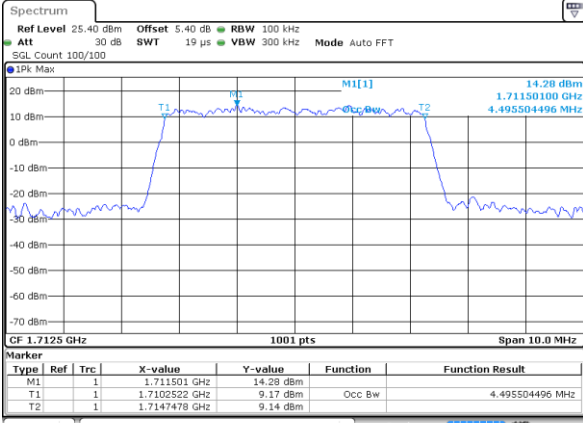


Date: 8 MAR 2020 13:20:02



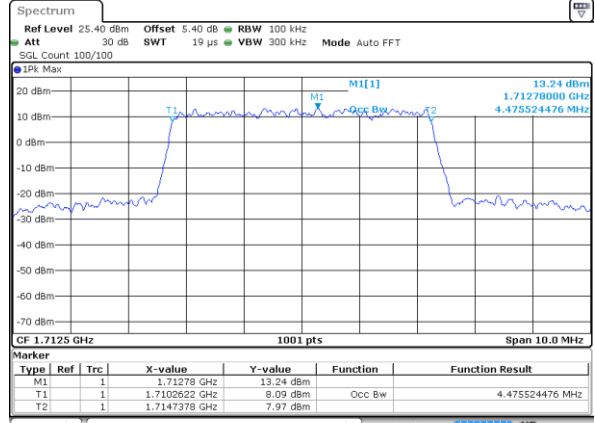
LTE Band 66

Lowest Channel / 5MHz / QPSK



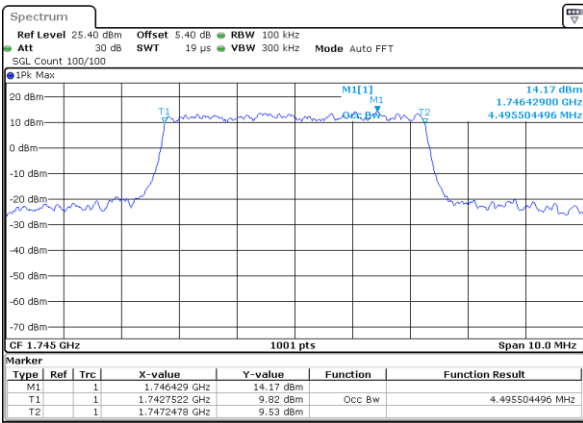
Date: 8 MAR 2020 13:46:52

Lowest Channel / 5MHz / 16QAM



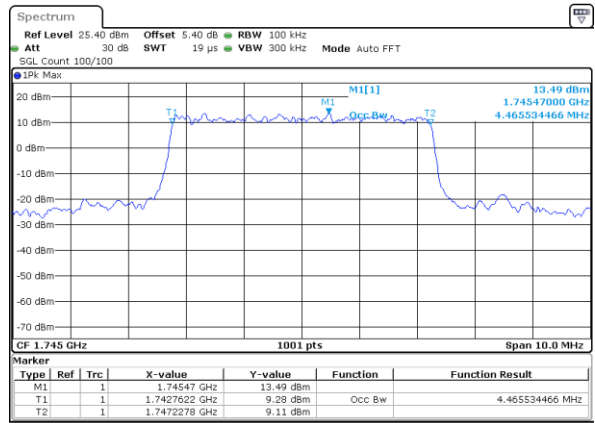
Date: 8 MAR 2020 13:47:19

Middle Channel / 5MHz / QPSK



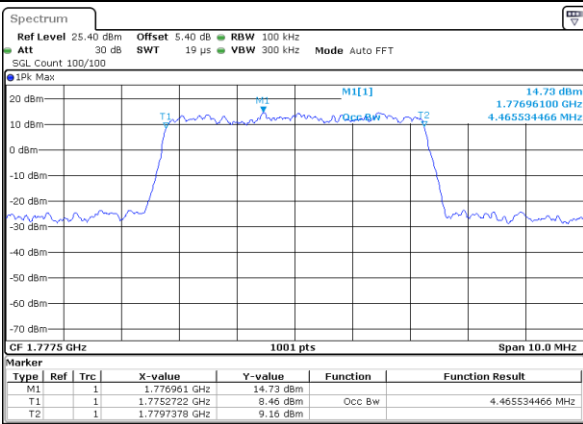
Date: 8 MAR 2020 13:55:20

Middle Channel / 5MHz / 16QAM



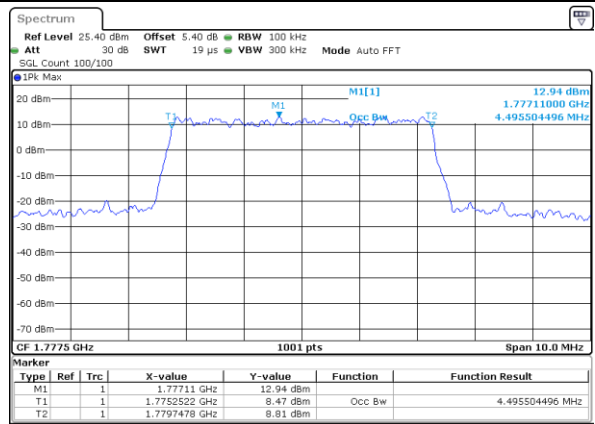
Date: 8 MAR 2020 13:55:42

Highest Channel / 5MHz / QPSK



Date: 8 MAR 2020 13:58:25

Highest Channel / 5MHz / 16QAM

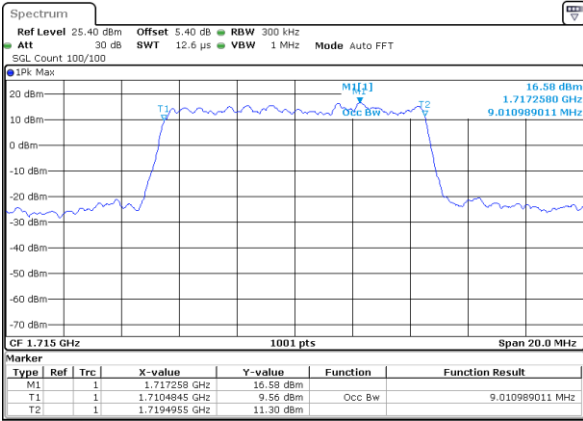


Date: 8 MAR 2020 13:57:30



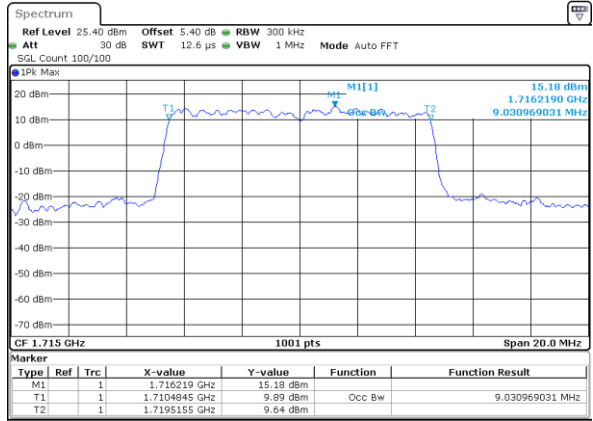
LTE Band 66

Lowest Channel / 10MHz / QPSK



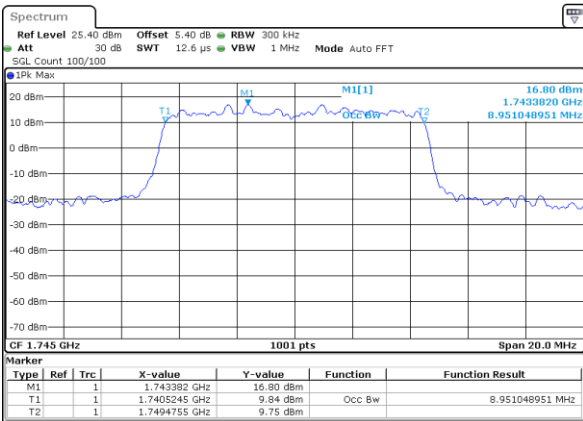
Date: 8 MAR 2020 14:05:20

Lowest Channel / 10MHz / 16QAM



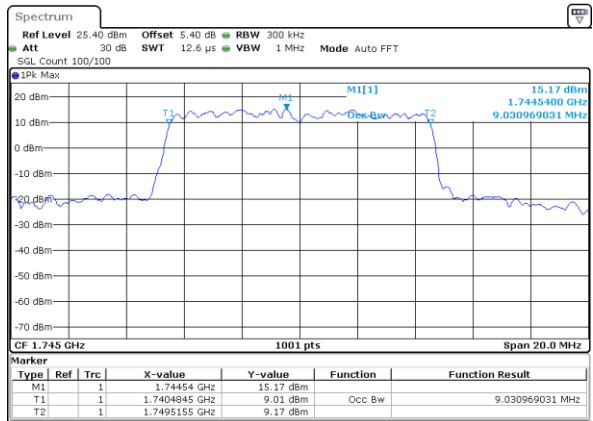
Date: 8 MAR 2020 14:05:57

Middle Channel / 10MHz / QPSK



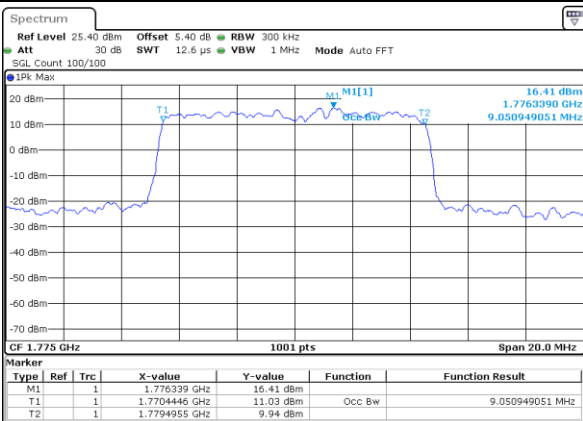
Date: 8 MAR 2020 14:13:32

Middle Channel / 10MHz / 16QAM



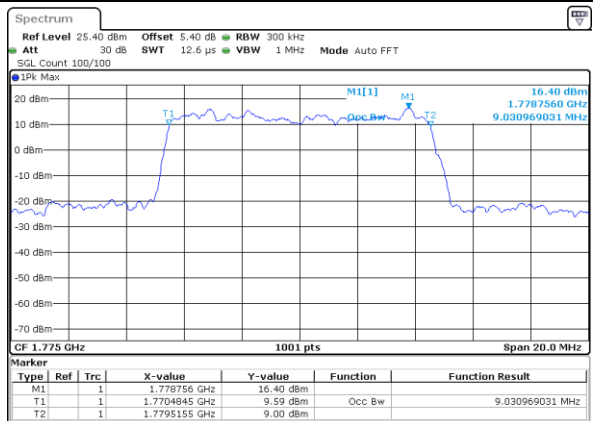
Date: 8 MAR 2020 14:13:06

Highest Channel / 10MHz / QPSK



Date: 8 MAR 2020 14:14:05

Highest Channel / 10MHz / 16QAM

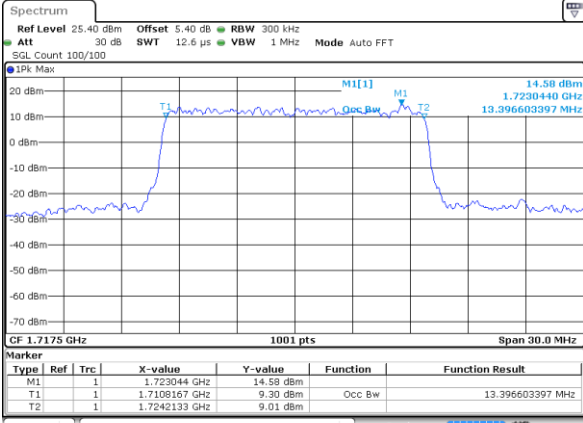


Date: 8 MAR 2020 14:14:41



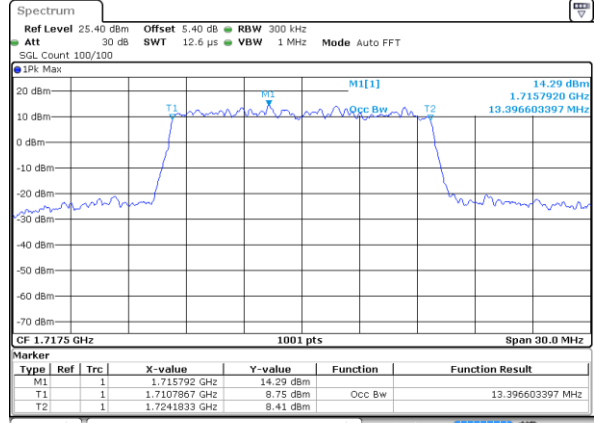
LTE Band 66

Lowest Channel / 15MHz / QPSK



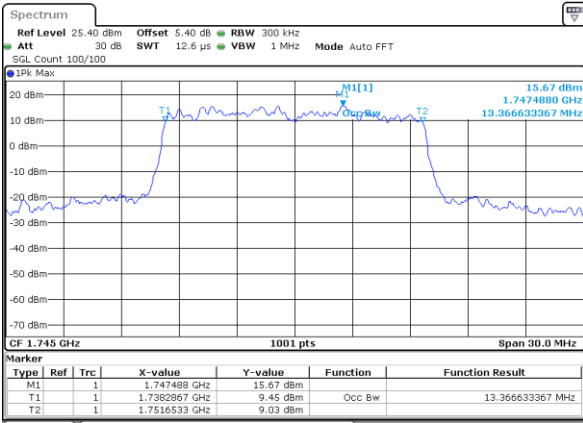
Date: 8 MAR 2020 14:27:31

Lowest Channel / 15MHz / 16QAM



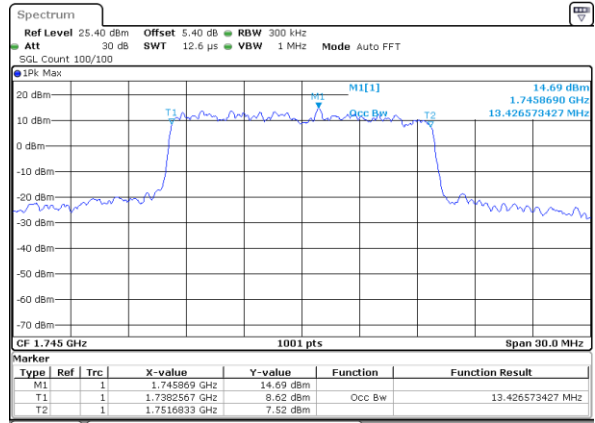
Date: 8 MAR 2020 14:26:53

Middle Channel / 15MHz / QPSK



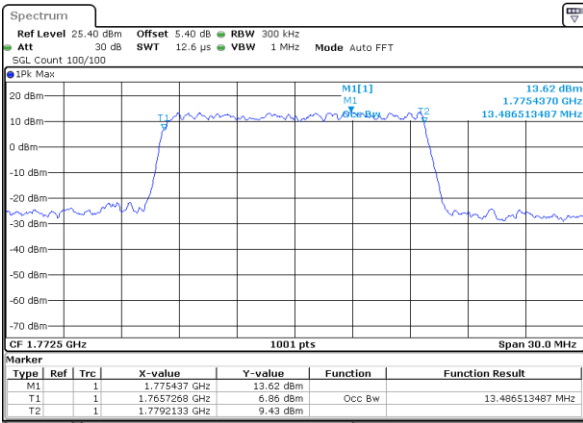
Date: 8 MAR 2020 14:34:28

Middle Channel / 15MHz / 16QAM



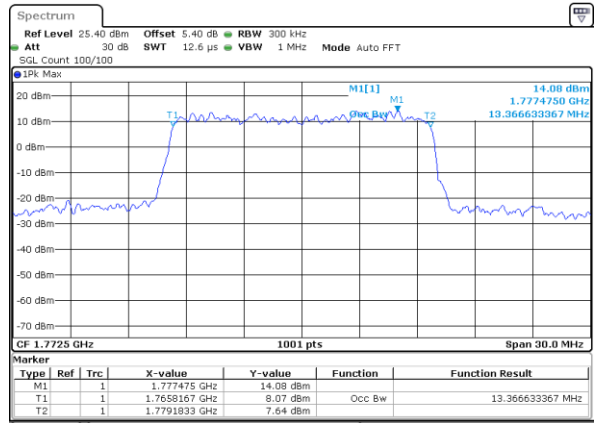
Date: 8 MAR 2020 14:34:50

Highest Channel / 15MHz / QPSK



Date: 8 MAR 2020 14:36:46

Highest Channel / 15MHz / 16QAM

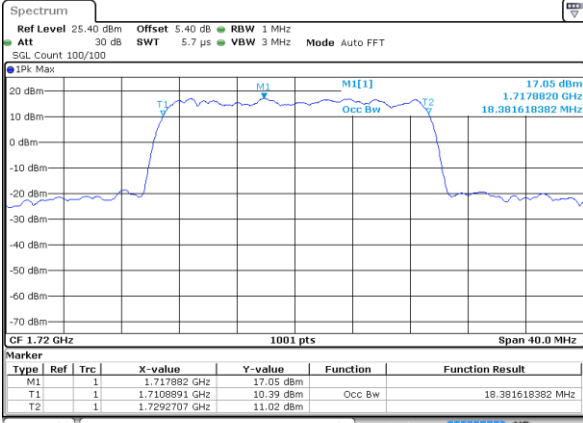


Date: 8 MAR 2020 14:36:10



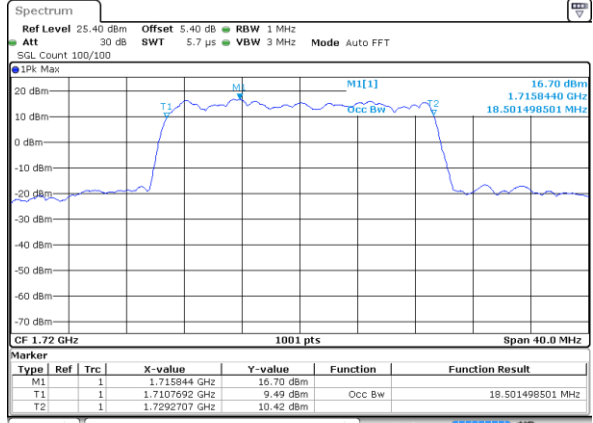
LTE Band 66

Lowest Channel / 20MHz / QPSK



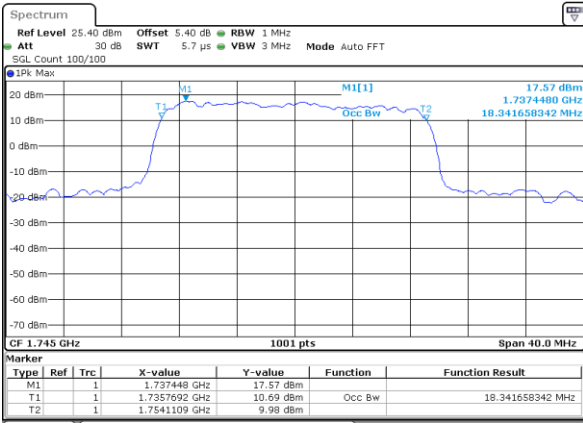
Date: 8 MAR 2020 14:43:44

Lowest Channel / 20MHz / 16QAM



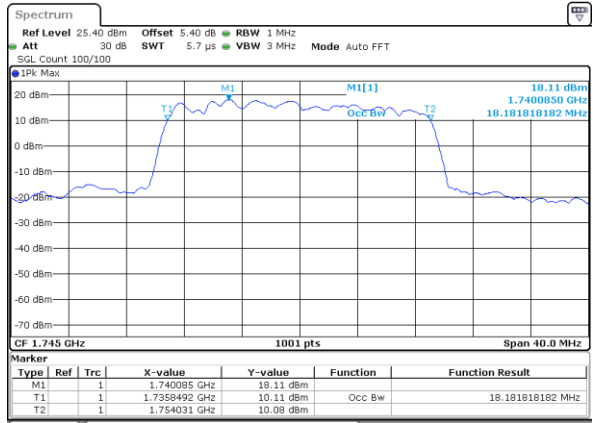
Date: 8 MAR 2020 14:42:50

Middle Channel / 20MHz / QPSK



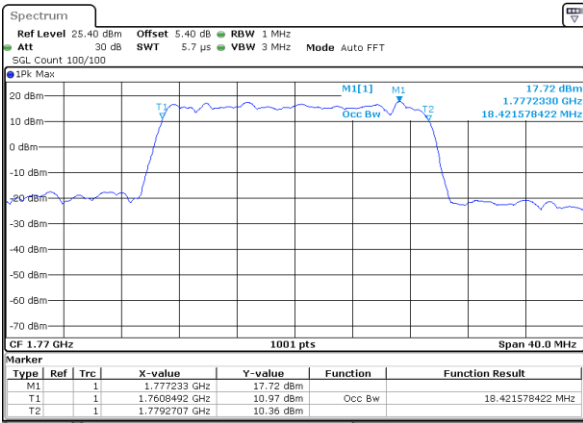
Date: 8 MAR 2020 14:50:52

Middle Channel / 20MHz / 16QAM



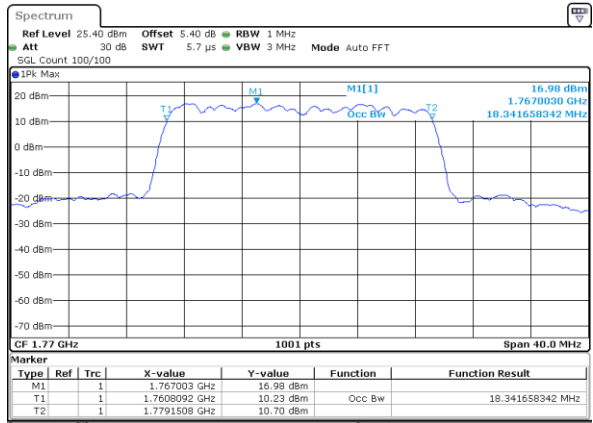
Date: 8 MAR 2020 14:51:22

Highest Channel / 20MHz / QPSK



Date: 8 MAR 2020 14:53:49

Highest Channel / 20MHz / 16QAM

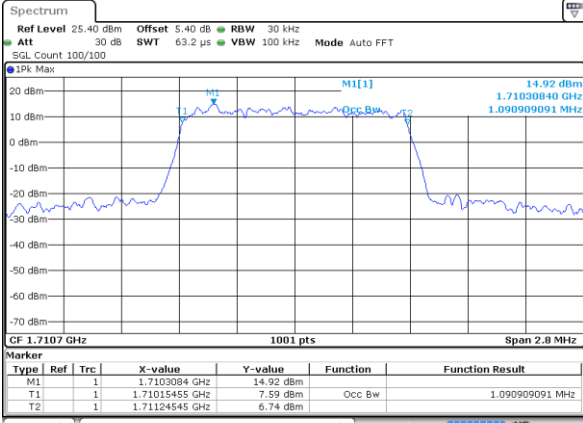


Date: 8 MAR 2020 14:53:07



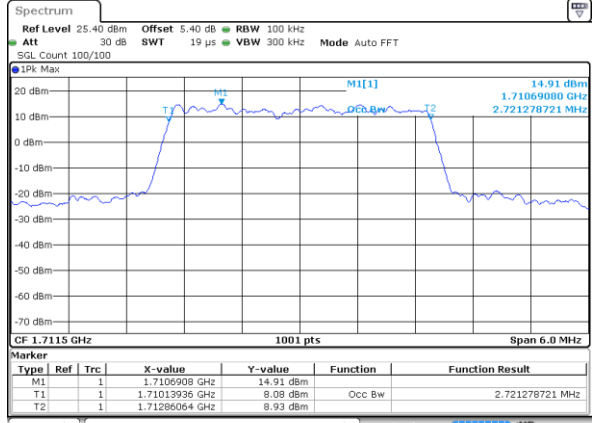
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



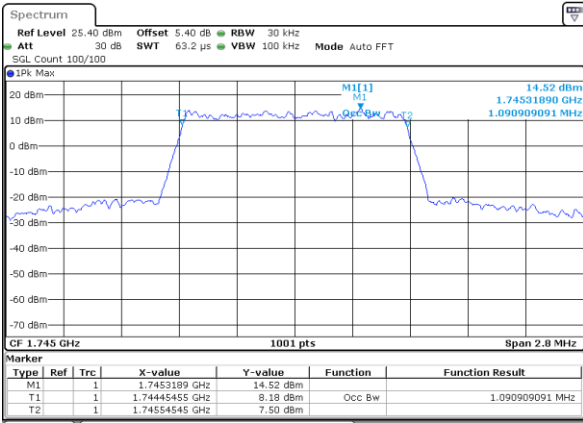
Date: 8 MAR 2020 12:04:57

Lowest Channel / 3MHz / 64QAM



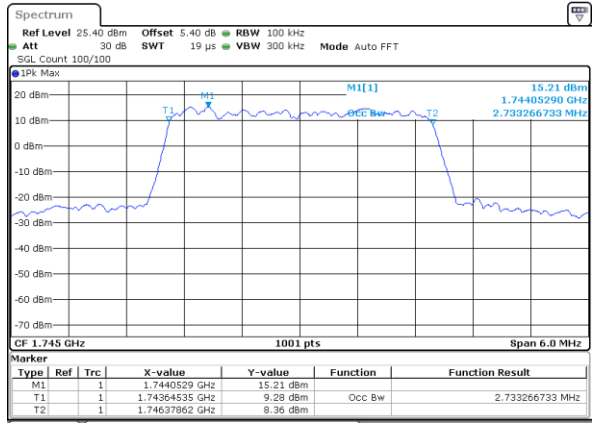
Date: 8 MAR 2020 13:08:14

Middle Channel / 20MHz / 64QAM



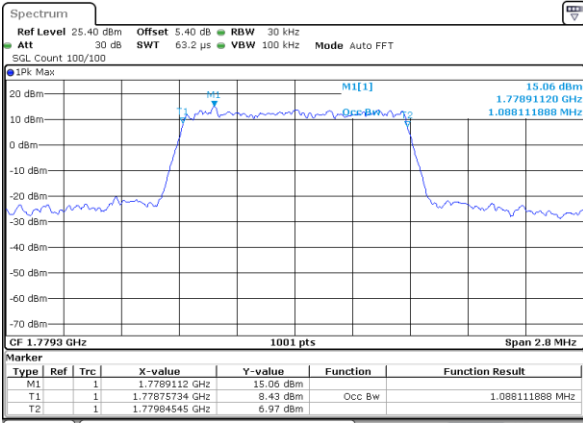
Date: 8 MAR 2020 12:47:55

Middle Channel / 3MHz / 64QAM



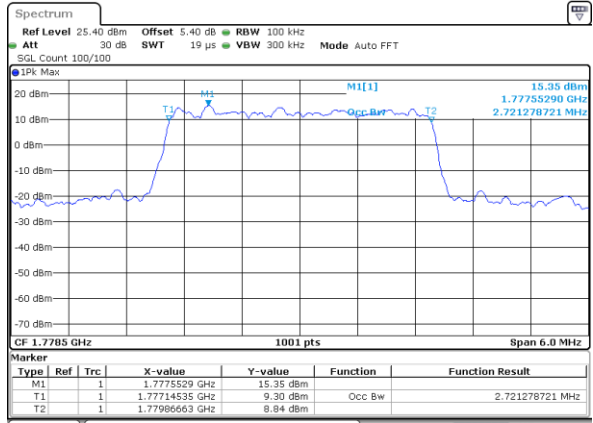
Date: 8 MAR 2020 13:18:07

Highest Channel / 20MHz / 64QAM



Date: 8 MAR 2020 13:00:38

Highest Channel / 3MHz / 64QAM

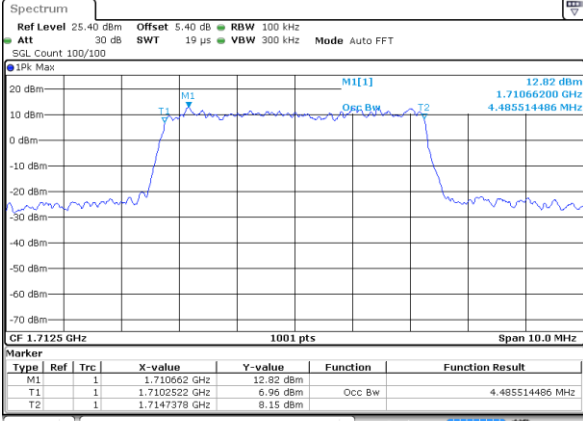


Date: 8 MAR 2020 13:22:02



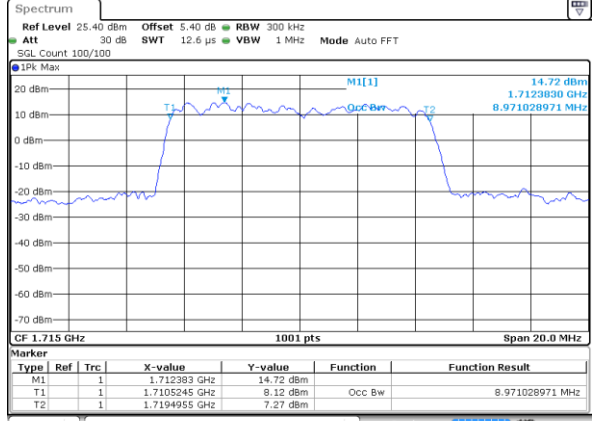
LTE Band 66

Lowest Channel / 5MHz / 64QAM



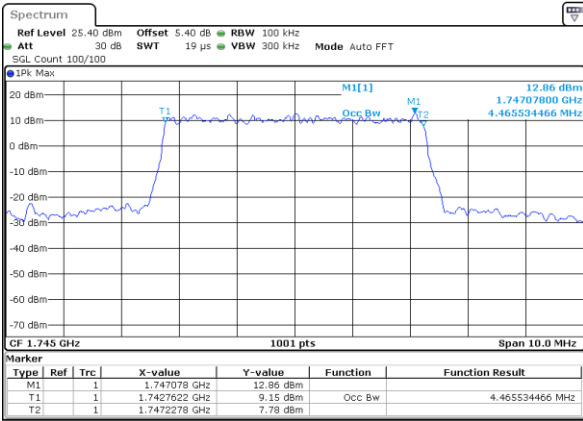
Date: 8 MAR 2020 13:47:44

Lowest Channel / 10MHz / 64QAM



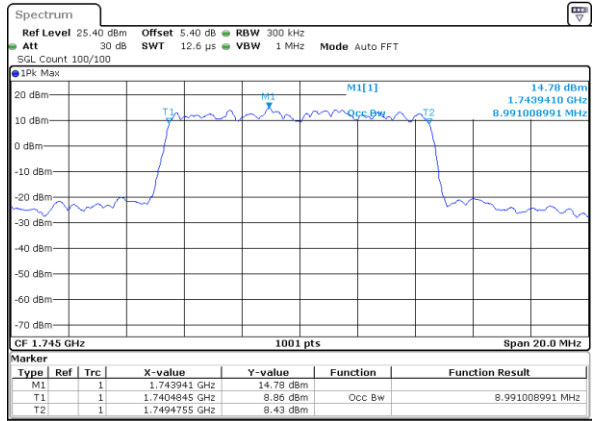
Date: 8 MAR 2020 14:06:37

Middle Channel / 5MHz / 64QAM



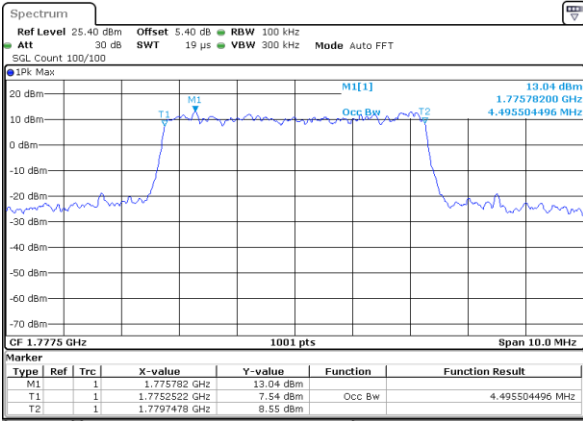
Date: 8 MAR 2020 13:56:05

Middle Channel / 10MHz / 64QAM



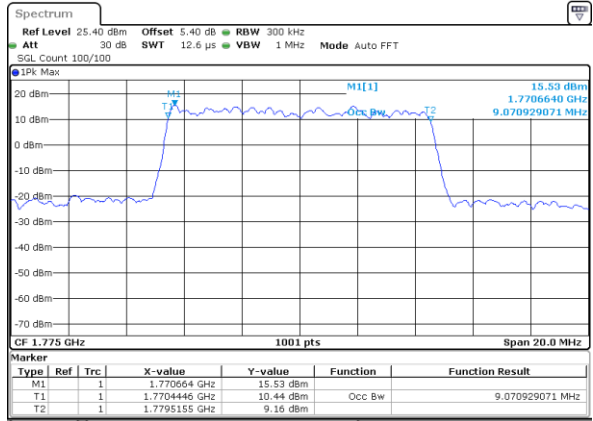
Date: 8 MAR 2020 14:12:44

Highest Channel / 5MHz / 64QAM



Date: 8 MAR 2020 13:56:49

Highest Channel / 10MHz / 64QAM

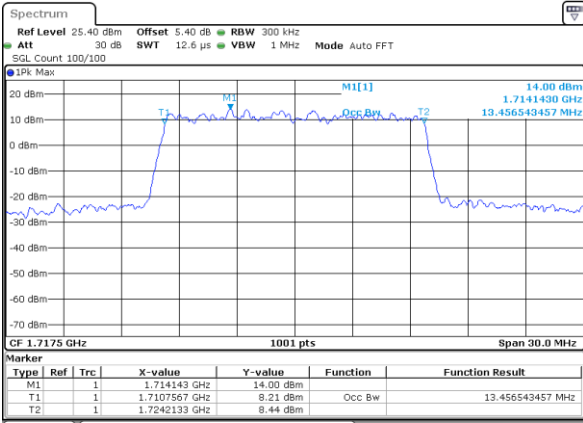


Date: 8 MAR 2020 14:17:51



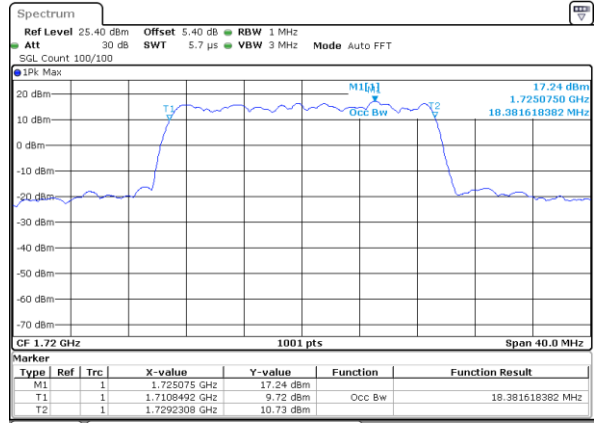
LTE Band 66

Lowest Channel / 15MHz / 64QAM



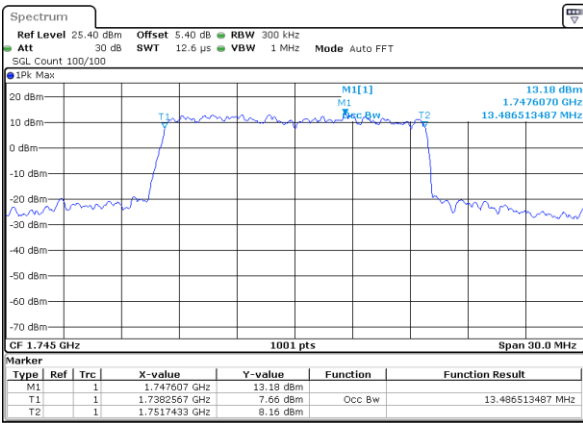
Date: 8 MAR 2020 14:26:14

Lowest Channel / 20MHz / 64QAM



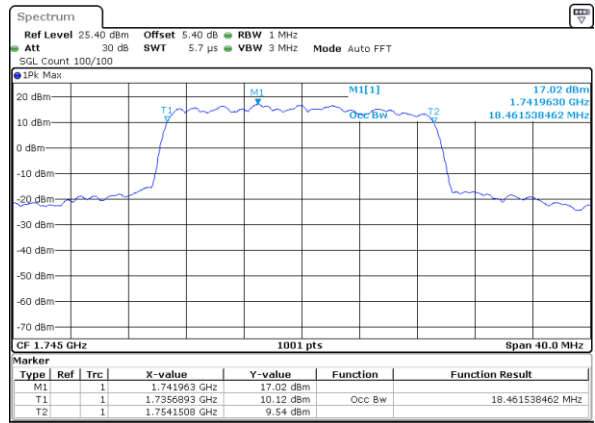
Date: 8 MAR 2020 14:42:11

Middle Channel / 15MHz / 64QAM



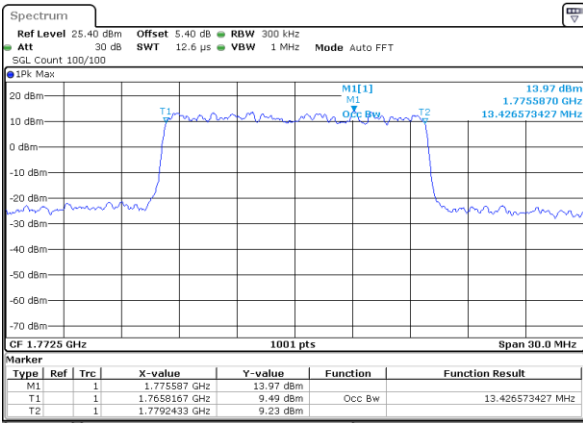
Date: 8 MAR 2020 14:35:11

Middle Channel / 20MHz / 64QAM



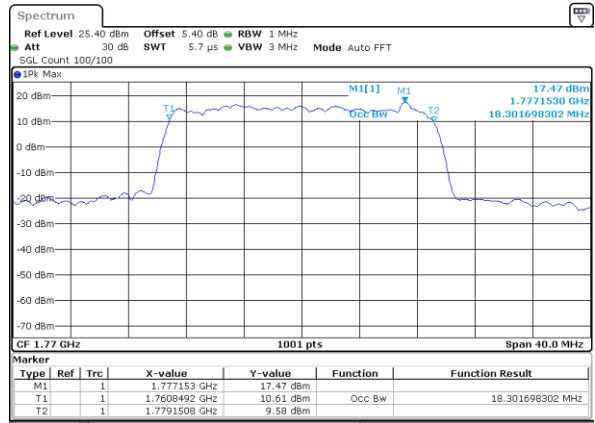
Date: 8 MAR 2020 14:51:52

Highest Channel / 15MHz / 64QAM



Date: 8 MAR 2020 14:35:46

Highest Channel / 20MHz / 64QAM



Date: 8 MAR 2020 14:52:25