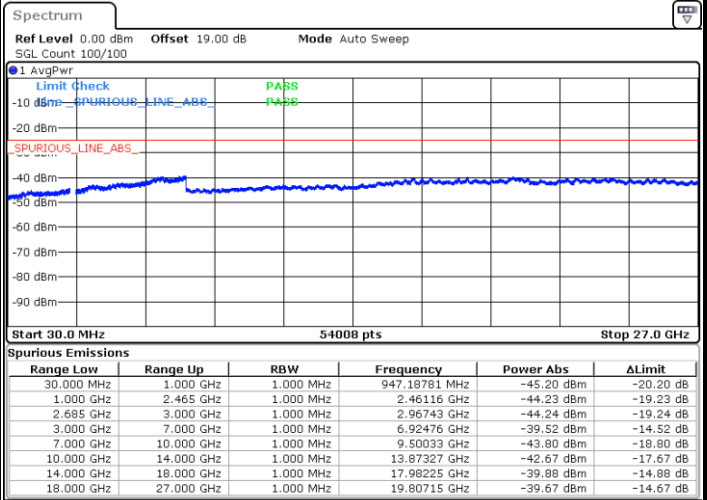
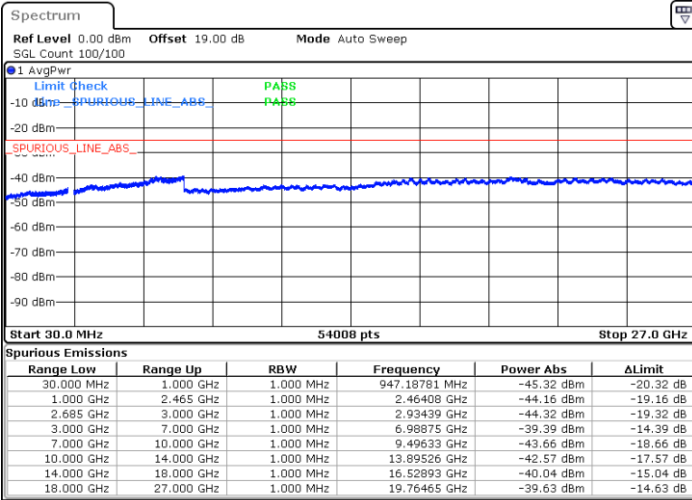




LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

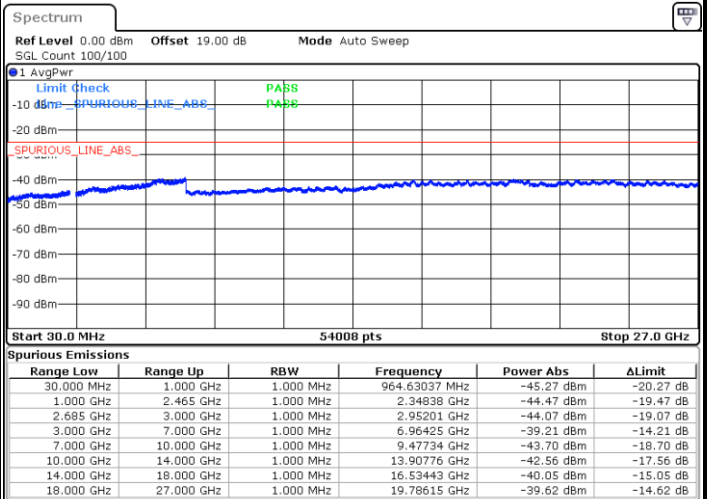
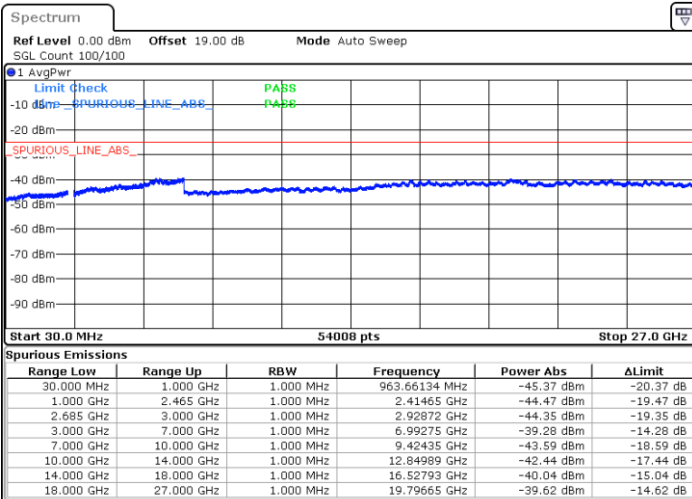


Date: 21.JUL.2022 10:58:48

Date: 21.JUL.2022 11:00:00

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 21.JUL.2022 10:57:34

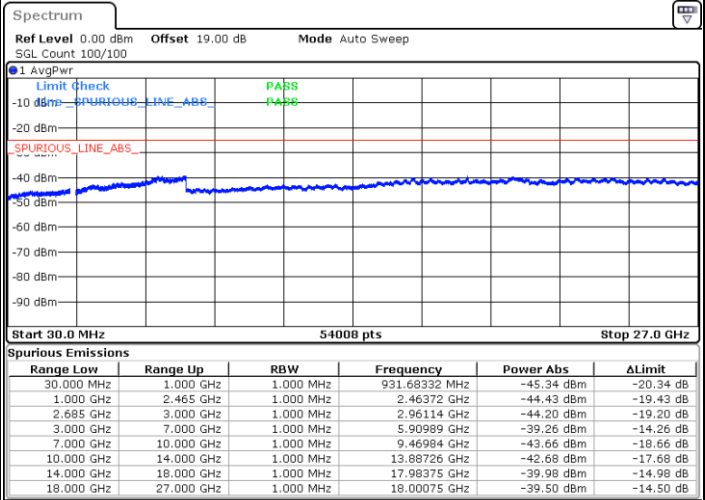
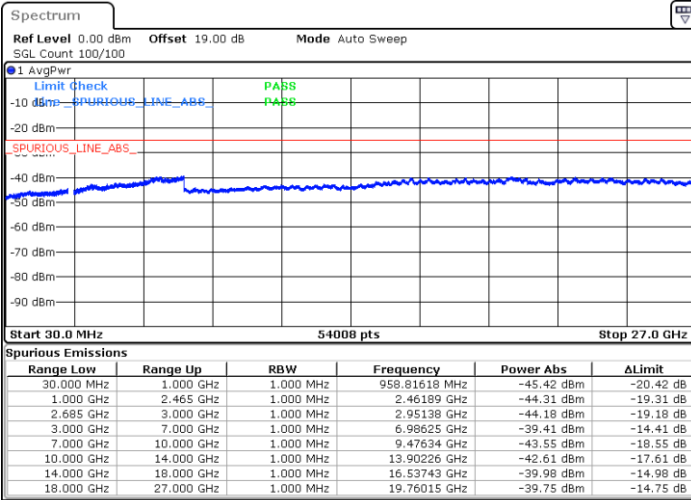
Date: 21.JUL.2022 10:56:12



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

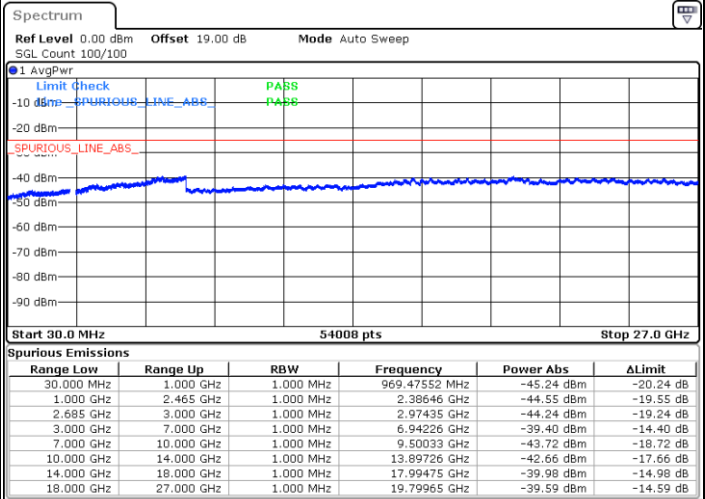
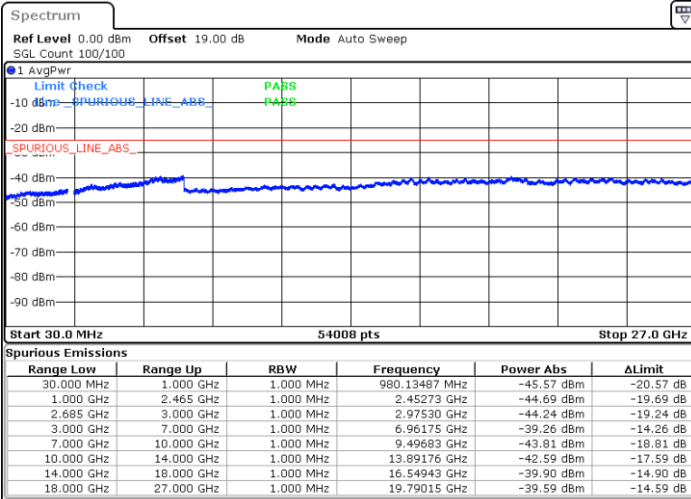


Date: 21.JUL.2022 11:06:19

Date: 21.JUL.2022 11:07:27

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 21.JUL.2022 11:12:01

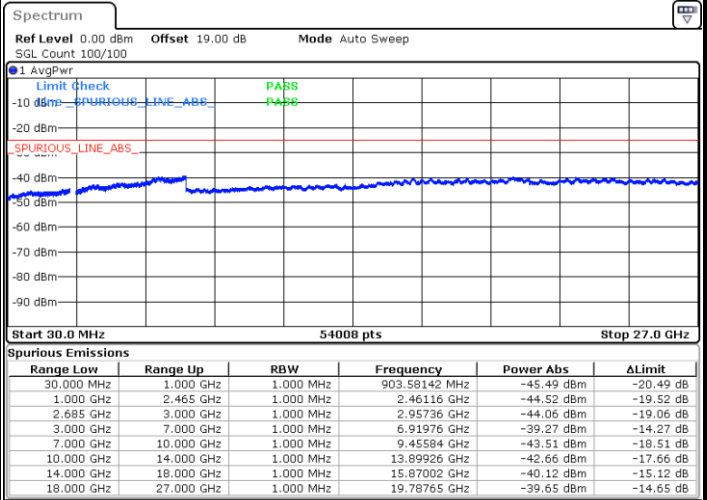
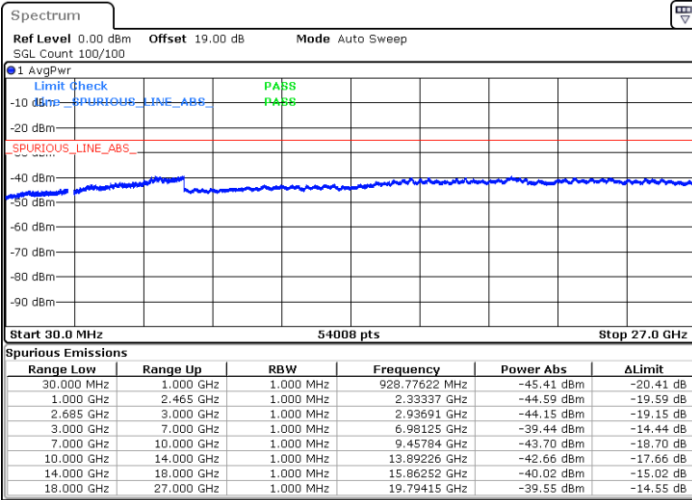
Date: 21.JUL.2022 11:10:54



LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



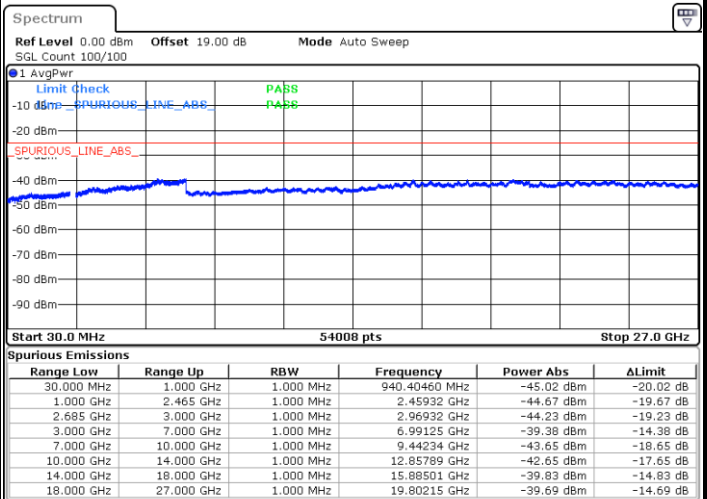
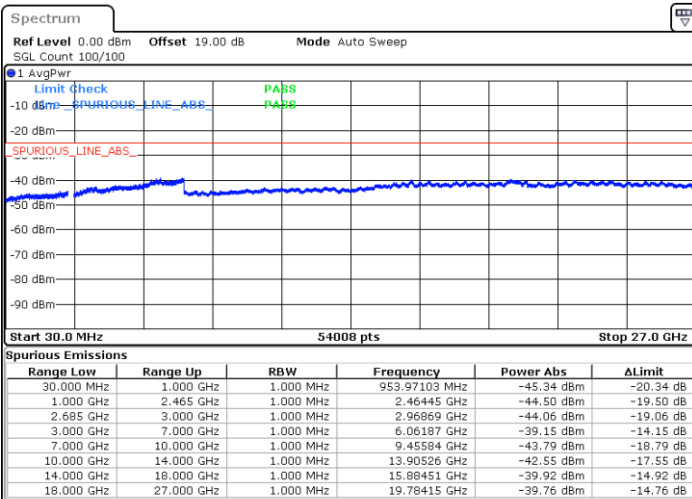
Date: 21.JUL.2022 11:13:13

Date: 21.JUL.2022 11:14:22

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 21.JUL.2022 12:03:39

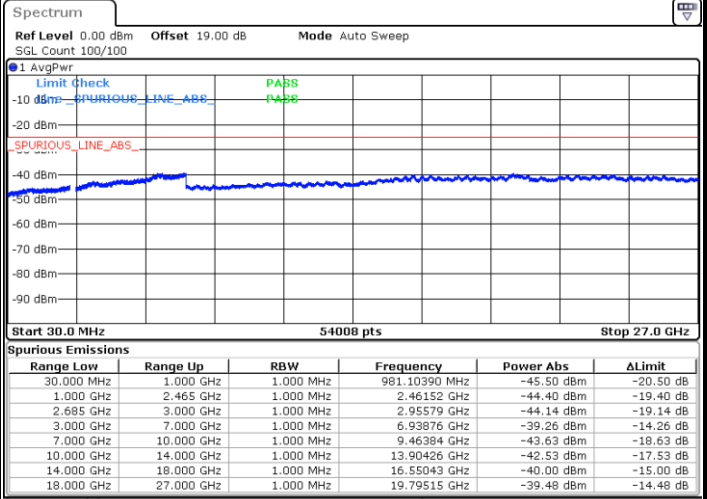
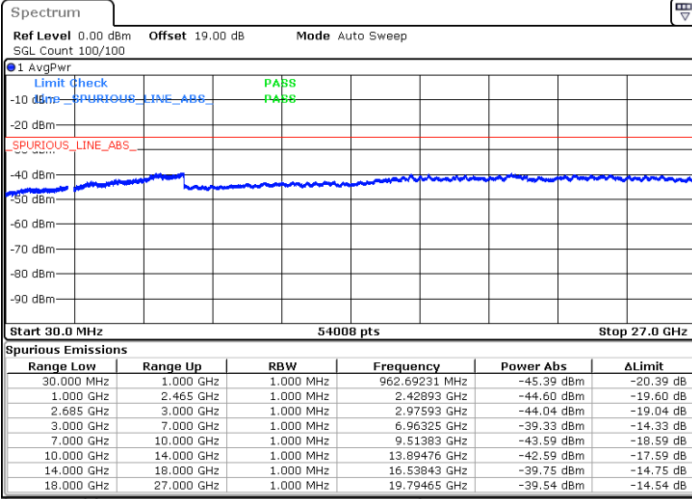
Date: 21.JUL.2022 12:02:19



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

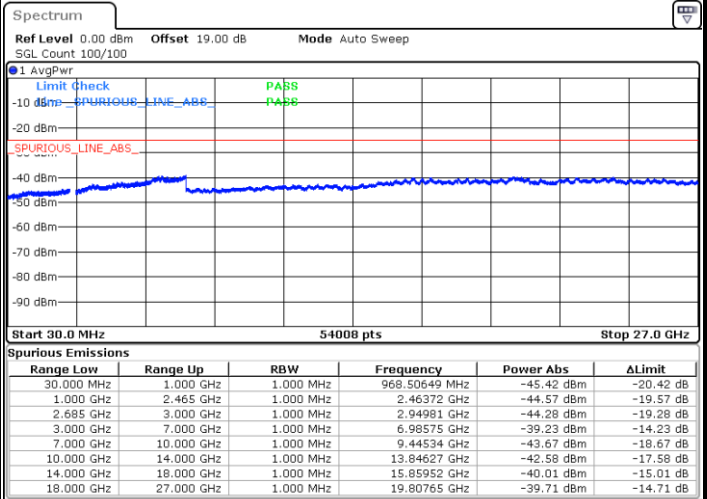
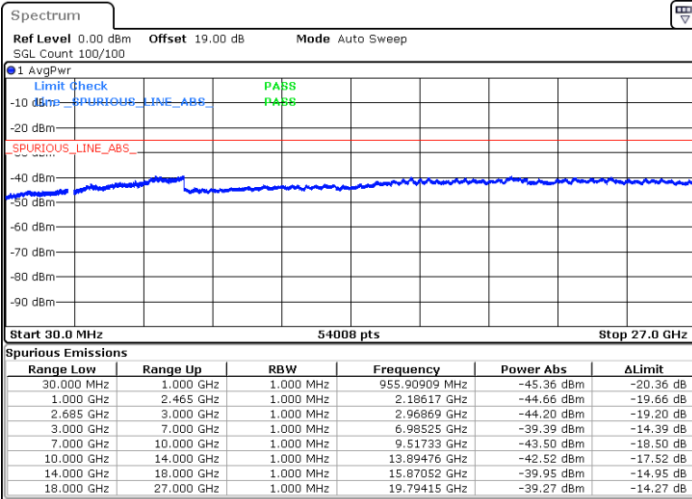


Date: 21.JUL.2022 13:41:20

Date: 21.JUL.2022 13:42:30

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 21.JUL.2022 13:48:23

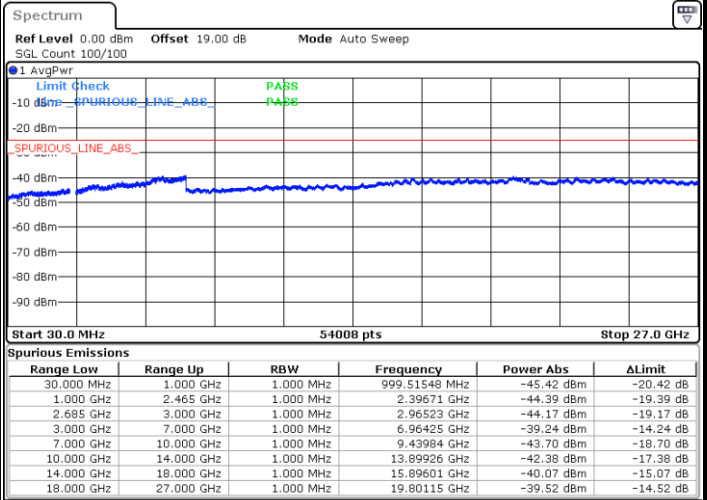
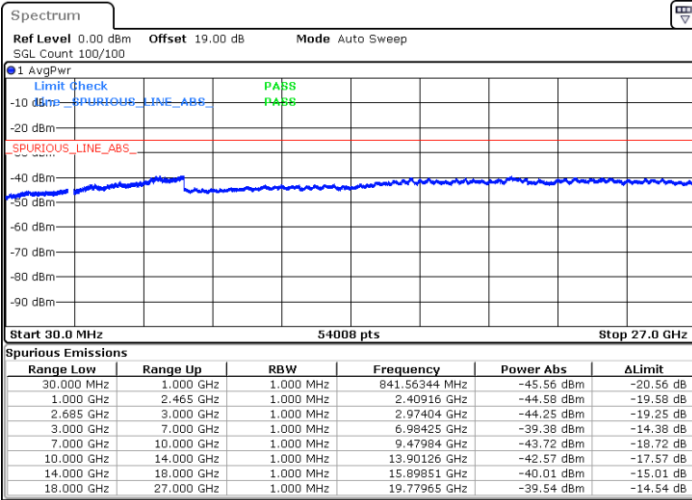
Date: 21.JUL.2022 13:47:02



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

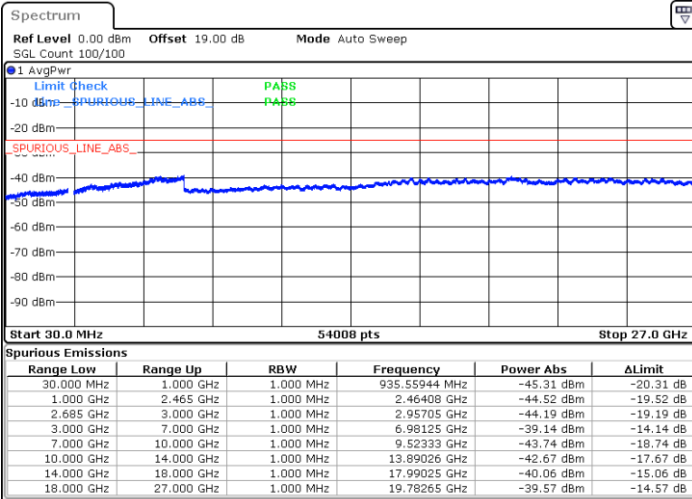
Middle Channel / 64QAM



Date: 21.JUL.2022 09:47:40

Date: 21.JUL.2022 09:49:09

Highest Channel / 64QAM



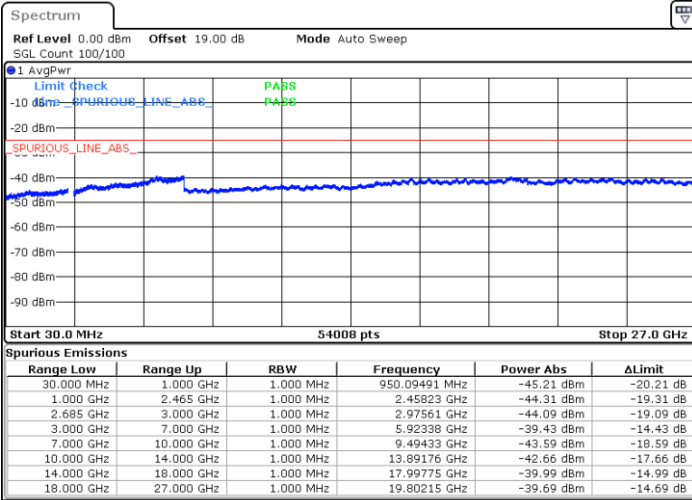
Date: 21.JUL.2022 09:55:28



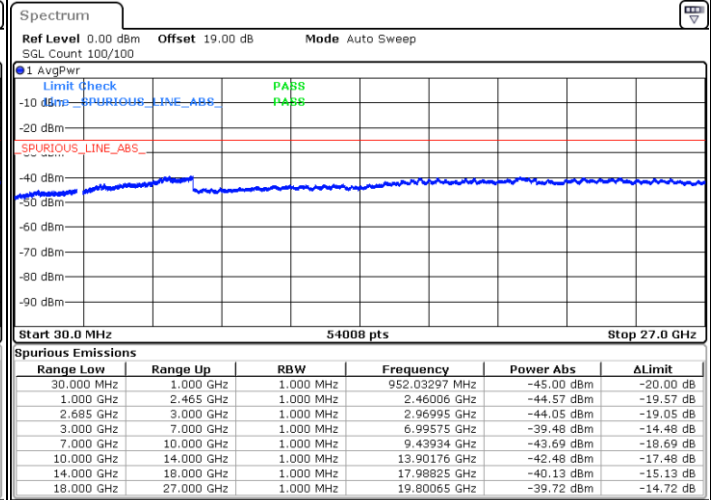
LTE Band 41 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

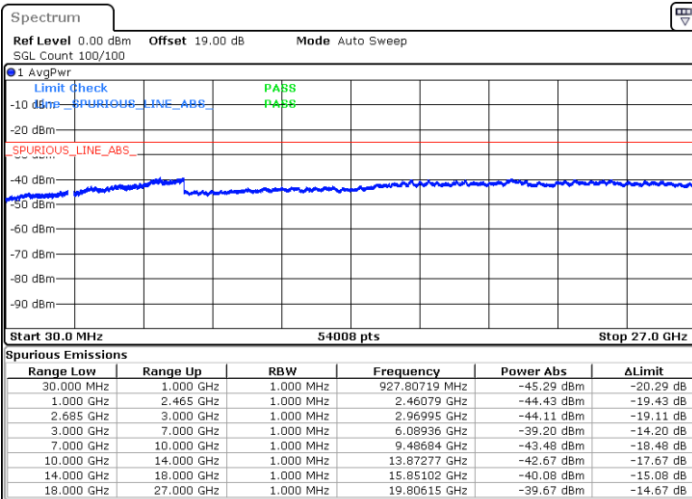


Date: 21.JUL.2022 11:02:16



Date: 21.JUL.2022 11:01:08

Highest Channel / 64QAM



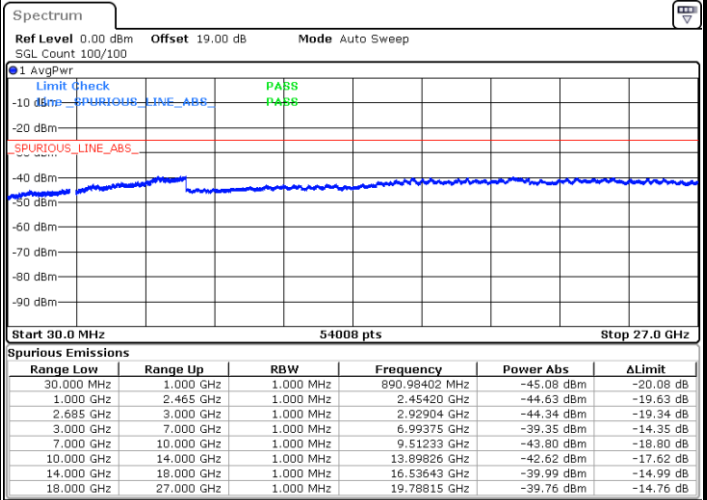
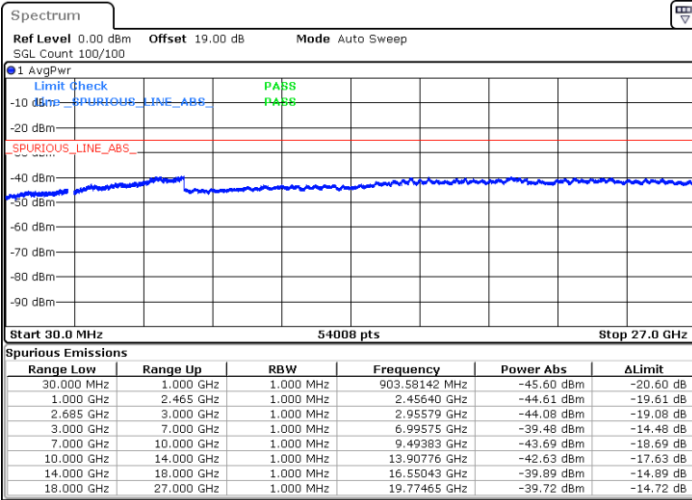
Date: 21.JUL.2022 10:55:00



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

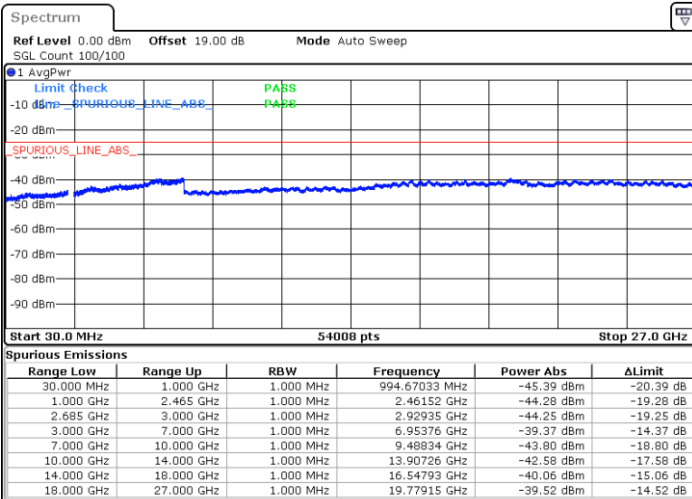
Middle Channel / 64QAM



Date: 21.JUL.2022 11:08:37

Date: 21.JUL.2022 11:09:44

Highest Channel / 64QAM



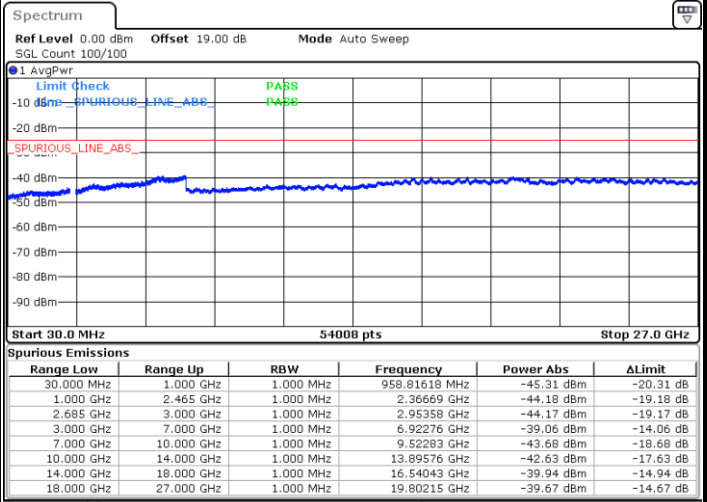
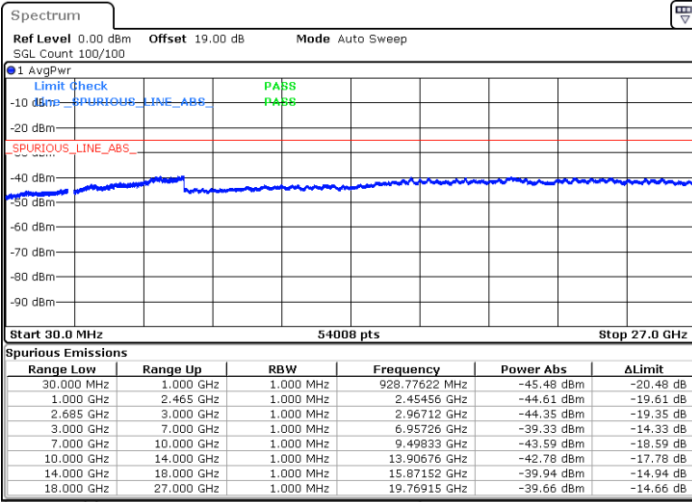
Date: 21.JUL.2022 11:15:30



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

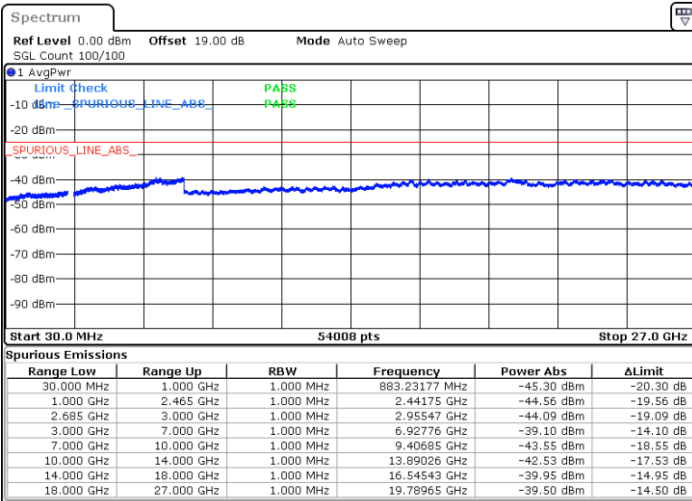
Middle Channel / 64QAM



Date: 21.JUL.2022 12:01:11

Date: 21.JUL.2022 13:44:40

Highest Channel / 64QAM



Date: 21.JUL.2022 13:45:57





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	0.0000	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 66

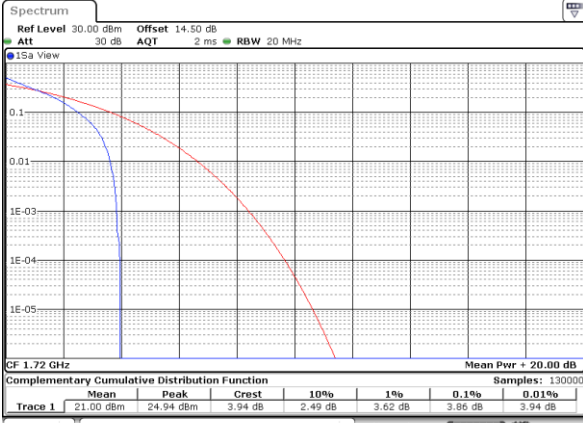
## Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.86	4.96	5.01	5.86	PASS
Middle CH	4.90	5.16	6.20	6.09	
Highest CH	3.80	4.87	4.67	5.80	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.07	5.94	-	-	PASS
Middle CH	4.93	6.49	-	-	
Highest CH	5.83	6.14	-	-	



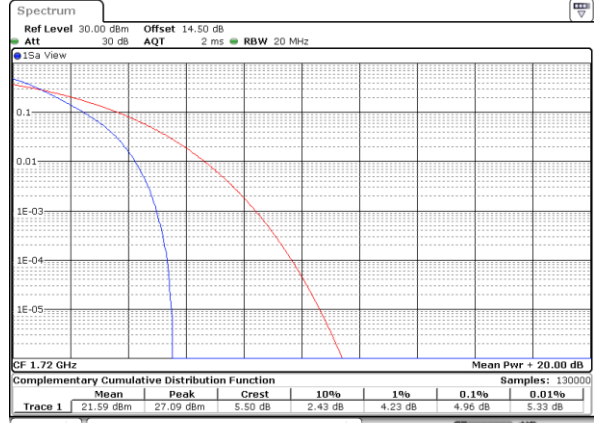
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



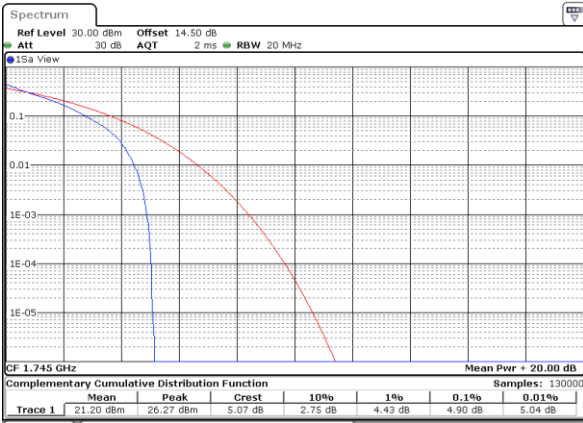
Date: 20\_JUL\_2022 23:43:27

Lowest Channel / Full RB



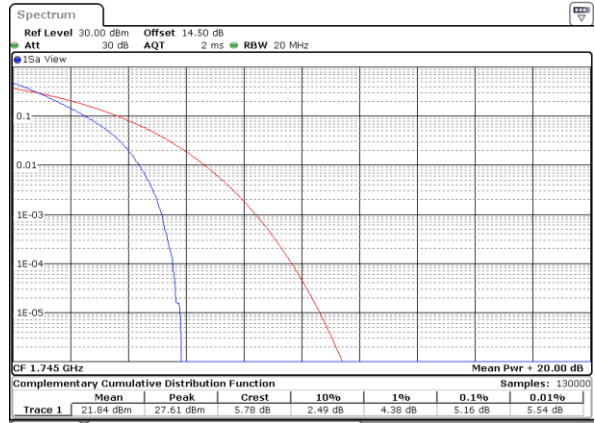
Date: 20\_JUL\_2022 23:43:53

Middle Channel / 1RB



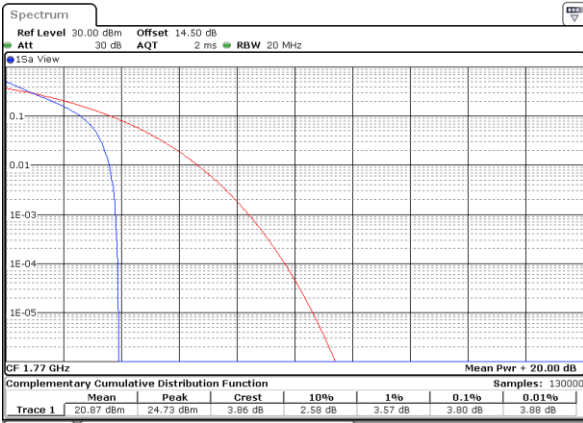
Date: 20\_JUL\_2022 23:44:20

Middle Channel / Full RB



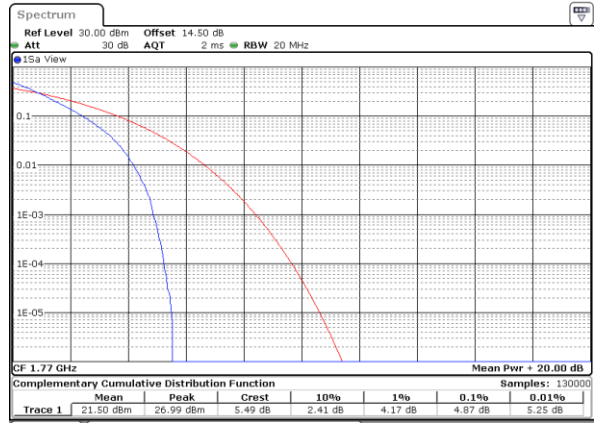
Date: 20\_JUL\_2022 23:44:46

Highest Channel / 1RB



Date: 20\_JUL\_2022 23:45:12

Highest Channel / Full RB

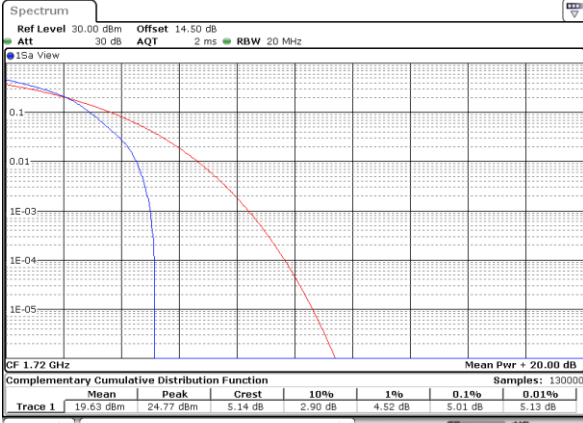


Date: 20\_JUL\_2022 23:45:39



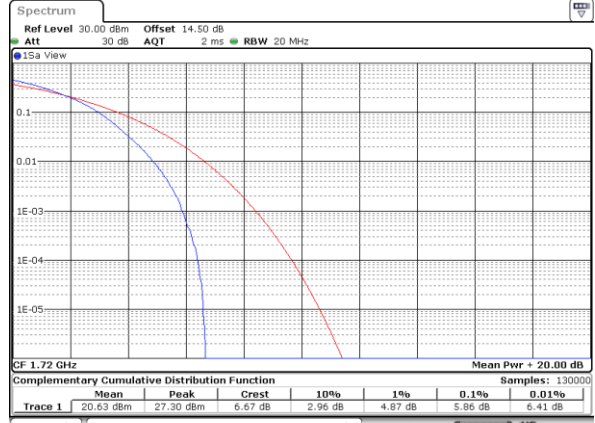
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



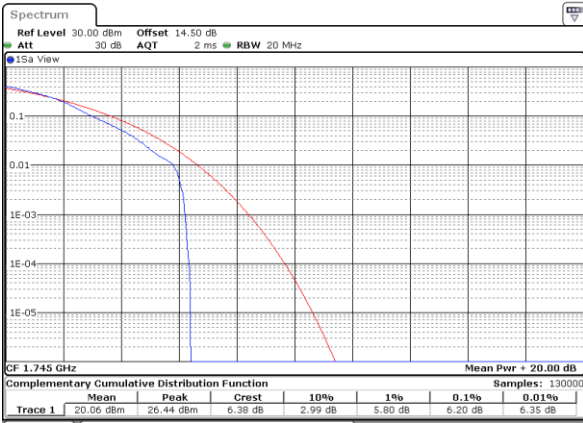
Date: 20\_JUL\_2022 23:06:03

Lowest Channel / Full RB



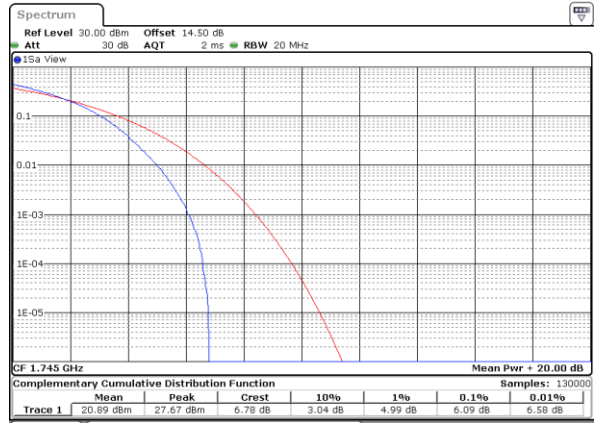
Date: 20\_JUL\_2022 23:06:30

Middle Channel / 1RB



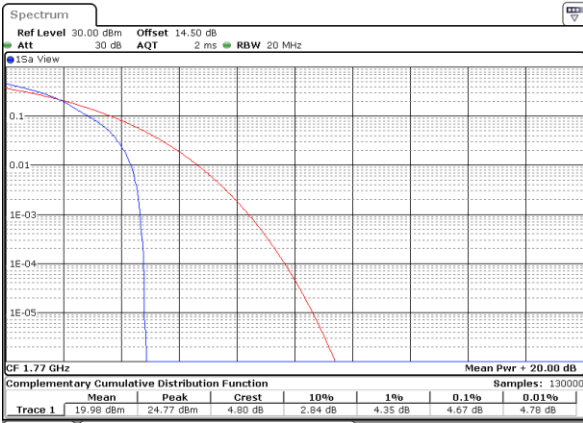
Date: 20\_JUL\_2022 23:06:56

Middle Channel / Full RB



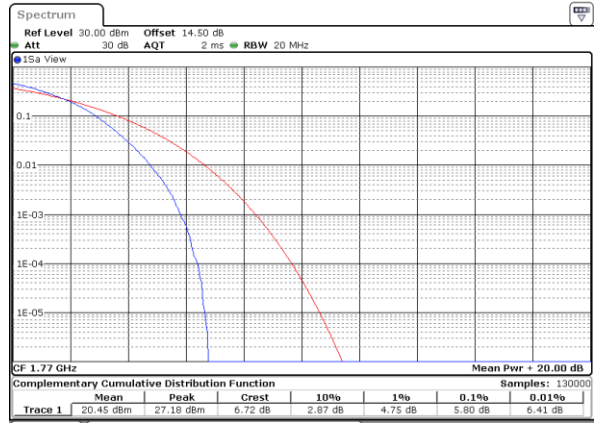
Date: 20\_JUL\_2022 23:07:22

Highest Channel / 1RB



Date: 20\_JUL\_2022 23:07:48

Highest Channel / Full RB

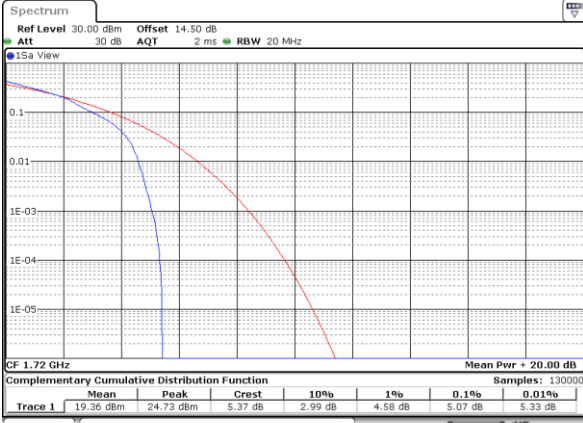


Date: 20\_JUL\_2022 23:14:00



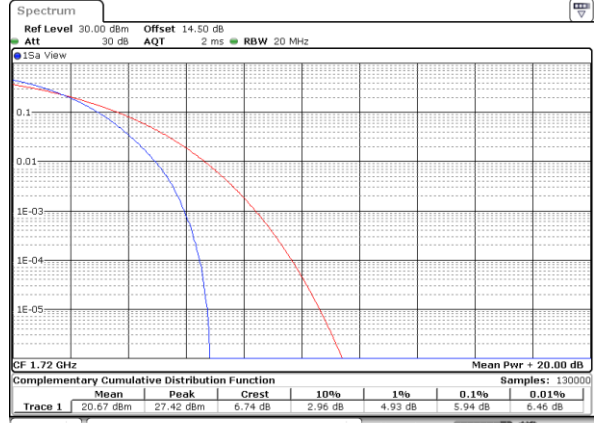
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



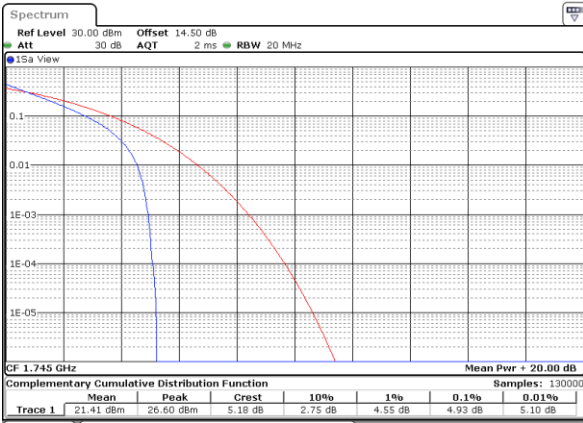
Date: 20\_JUL\_2022 23:46:05

Lowest Channel / Full RB



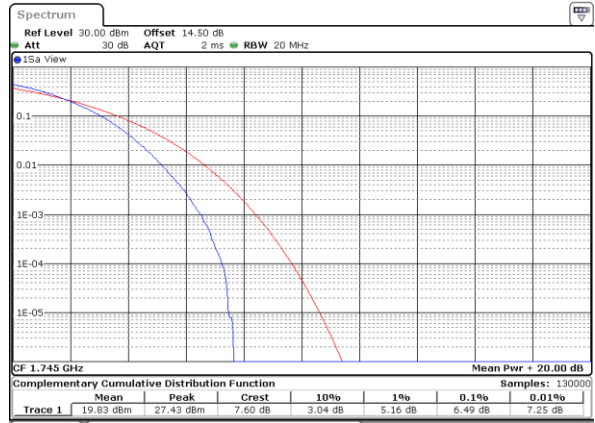
Date: 20\_JUL\_2022 23:46:132

Middle Channel / 1RB



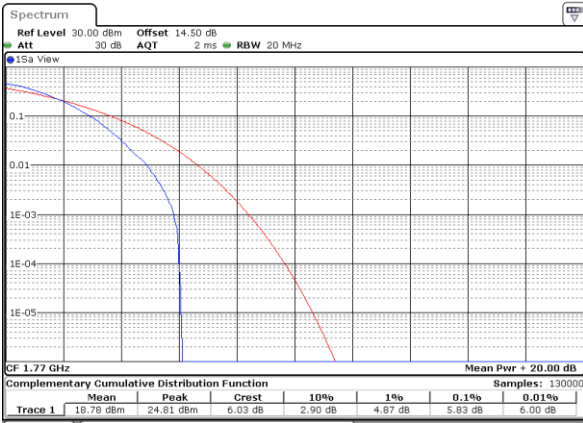
Date: 21\_JUL\_2022 00:06:55

Middle Channel / Full RB



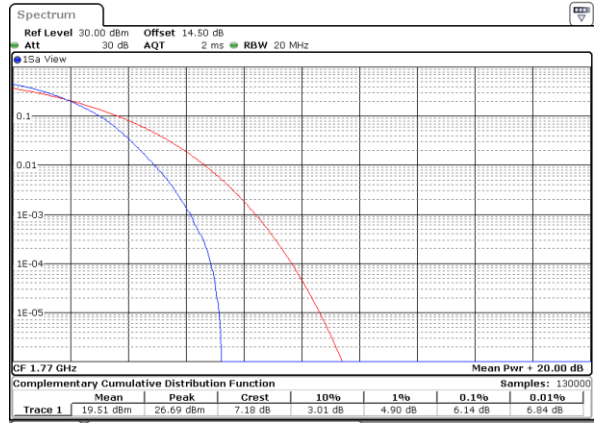
Date: 20\_JUL\_2022 23:46:115

Highest Channel / 1RB



Date: 20\_JUL\_2022 23:48:42

Highest Channel / Full RB



Date: 20\_JUL\_2022 23:48:08



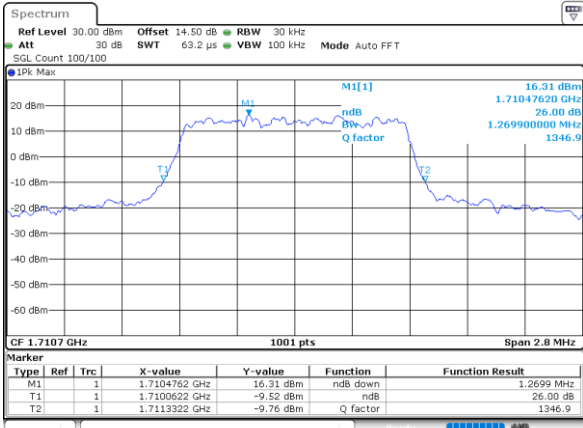
26dB Bandwidth

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	1.27	1.28	3.01	3.05	4.95	4.91	9.77	9.69	14.48	14.27	19.02	18.82
Middle CH	1.28	1.30	3.03	3.02	4.98	4.90	9.79	9.87	14.57	14.30	18.90	18.66
Highest CH	1.26	1.28	3.02	2.95	5.02	4.92	9.67	9.75	14.21	14.27	18.82	18.90
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.29	-	2.97	-	4.89	-	9.83	-	14.30	-	19.06	-
Middle CH	1.27	-	3.00	-	4.91	-	9.93	-	14.27	-	18.74	-
Highest CH	1.27	-	3.00	-	4.97	-	9.77	-	14.51	-	18.94	-



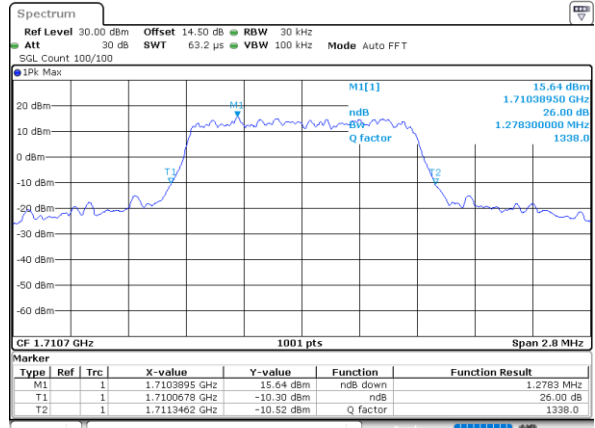
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



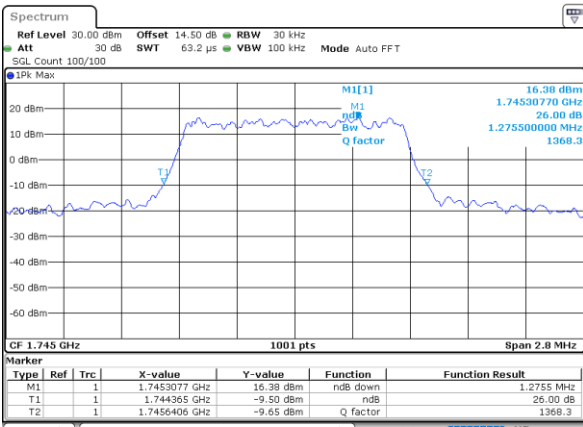
Date: 25\_JUL\_2022 20:35:12

Lowest Channel / 1.4MHz / 16QAM



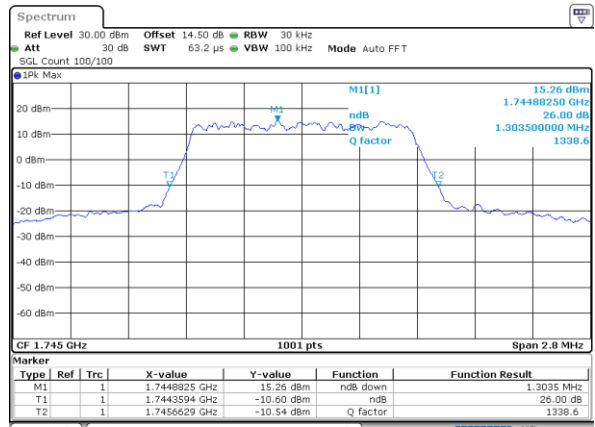
Date: 20\_JUL\_2022 19:11:12

Middle Channel / 1.4MHz / QPSK



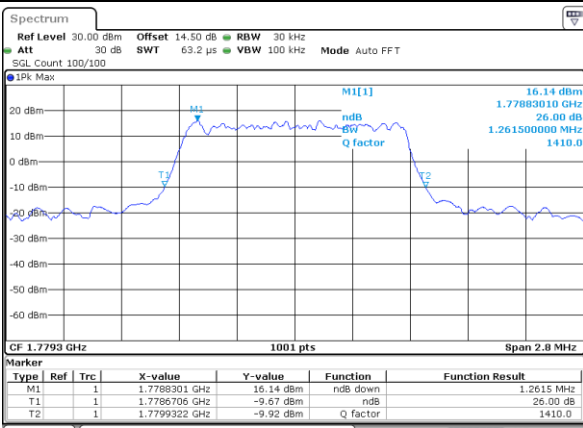
Date: 20\_JUL\_2022 19:25:08

Middle Channel / 1.4MHz / 16QAM



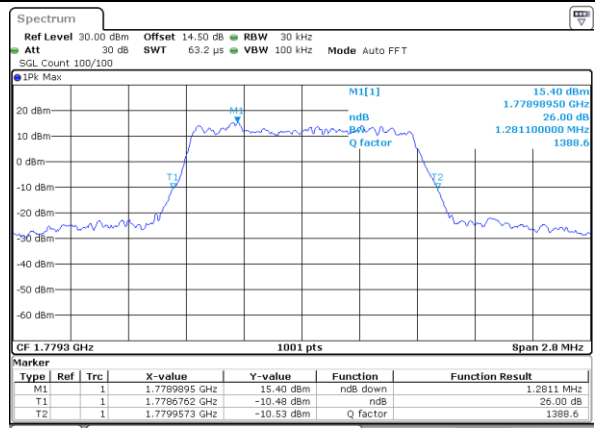
Date: 20\_JUL\_2022 19:25:33

Highest Channel / 1.4MHz / QPSK



Date: 20\_JUL\_2022 19:28:53

Highest Channel / 1.4MHz / 16QAM

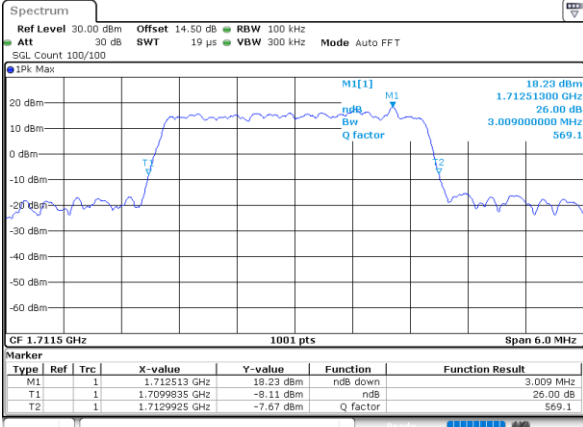


Date: 20\_JUL\_2022 19:29:18



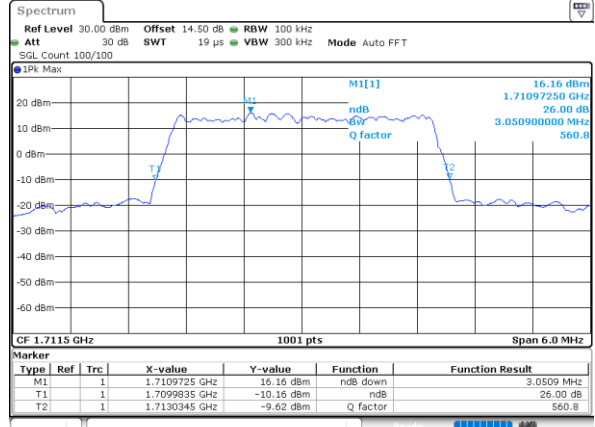
LTE Band 66

Lowest Channel / 3MHz / QPSK



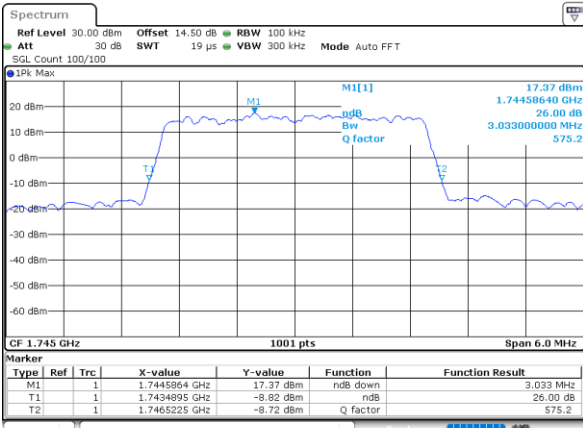
Date: 20\_JUL\_2022 20:07:24

Lowest Channel / 3MHz / 16QAM



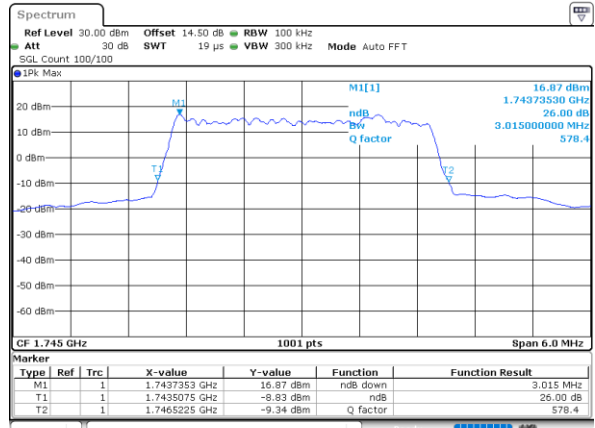
Date: 20\_JUL\_2022 20:07:49

Middle Channel / 3MHz / QPSK



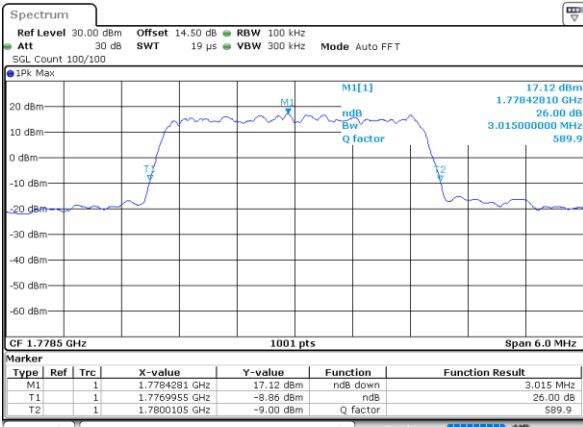
Date: 20\_JUL\_2022 20:17:04

Middle Channel / 3MHz / 16QAM



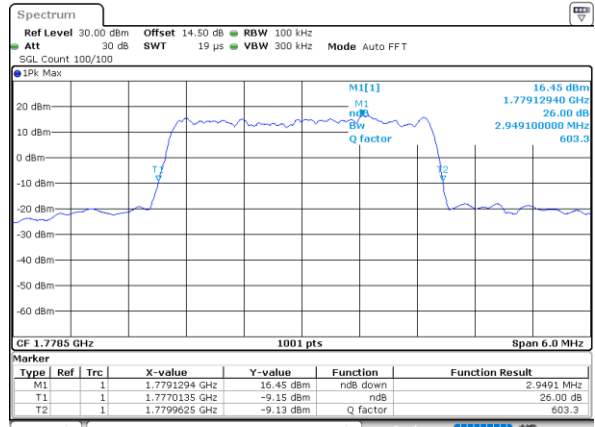
Date: 20\_JUL\_2022 20:17:29

Highest Channel / 3MHz / QPSK



Date: 20\_JUL\_2022 20:21:10

Highest Channel / 3MHz / 16QAM



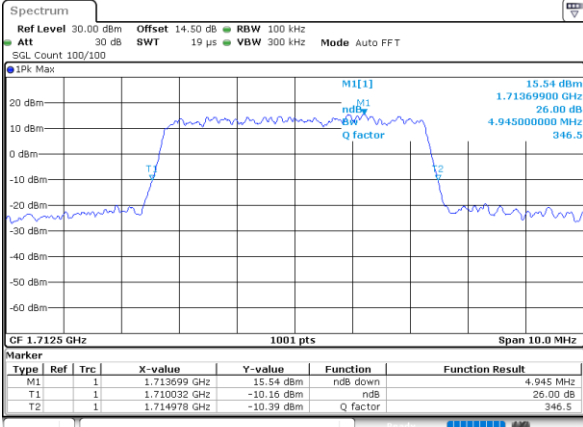
Date: 20\_JUL\_2022 20:21:35





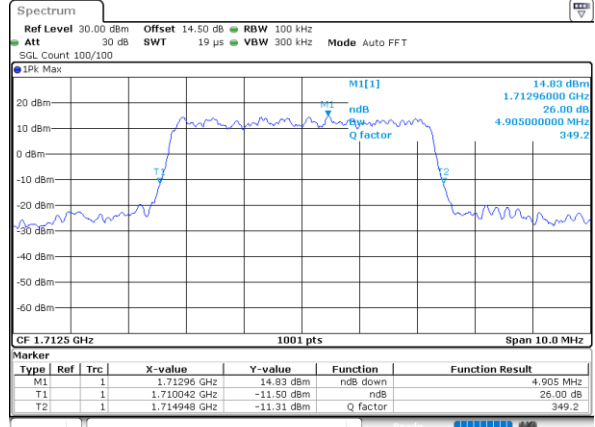
LTE Band 66

Lowest Channel / 5MHz / QPSK



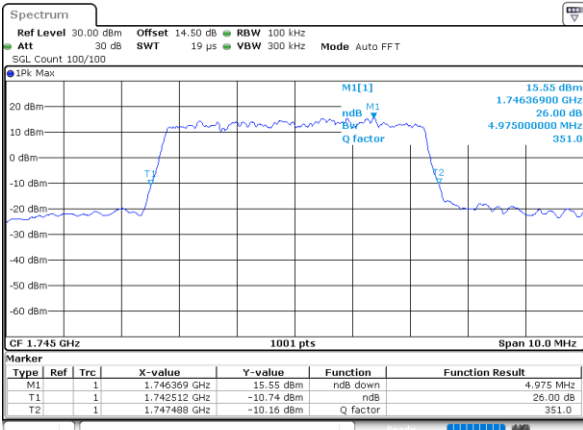
Date: 20\_JUL\_2022 20:56:04

Lowest Channel / 5MHz / 16QAM



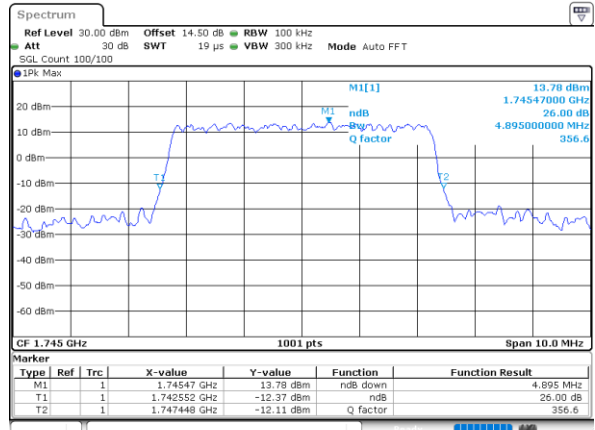
Date: 20\_JUL\_2022 20:56:129

Middle Channel / 5MHz / QPSK



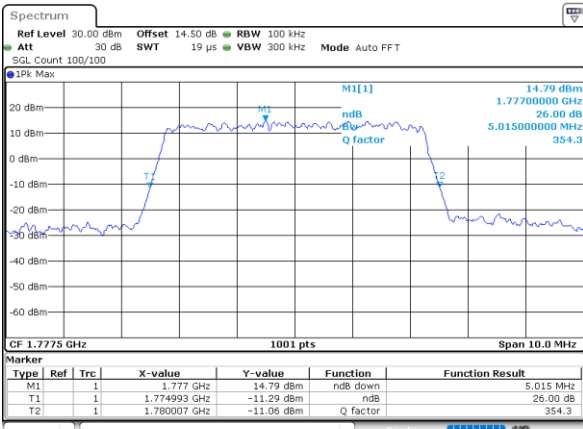
Date: 20\_JUL\_2022 21:05:44

Middle Channel / 5MHz / 16QAM



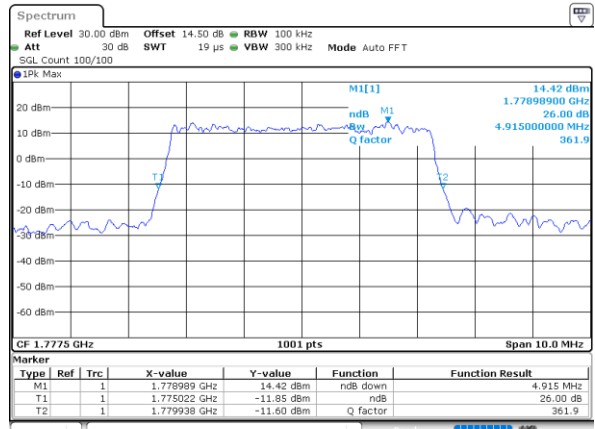
Date: 20\_JUL\_2022 21:06:109

Highest Channel / 5MHz / QPSK



Date: 20\_JUL\_2022 21:09:52

Highest Channel / 5MHz / 16QAM

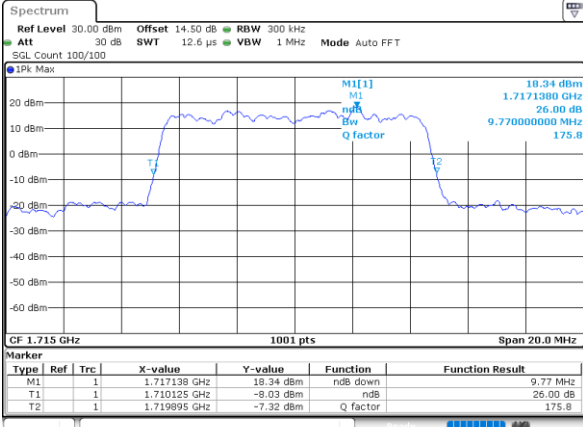


Date: 20\_JUL\_2022 21:10:17



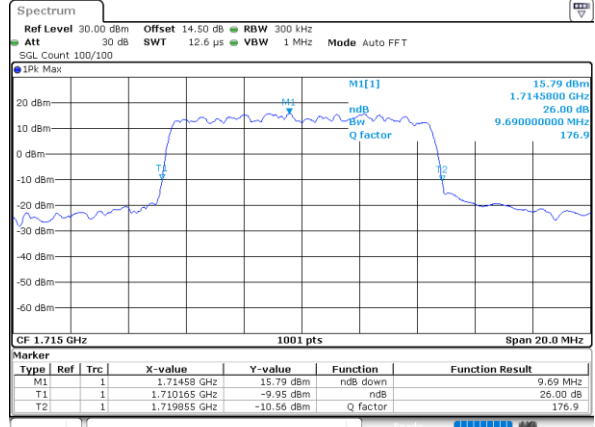
LTE Band 66

Lowest Channel / 10MHz / QPSK



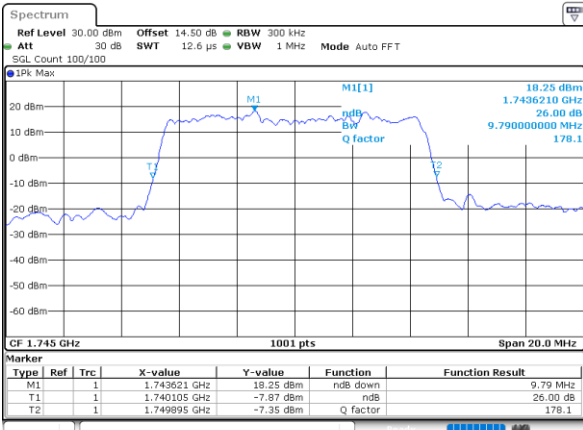
Date: 20\_JUL\_2022 21:20:10

Lowest Channel / 10MHz / 16QAM



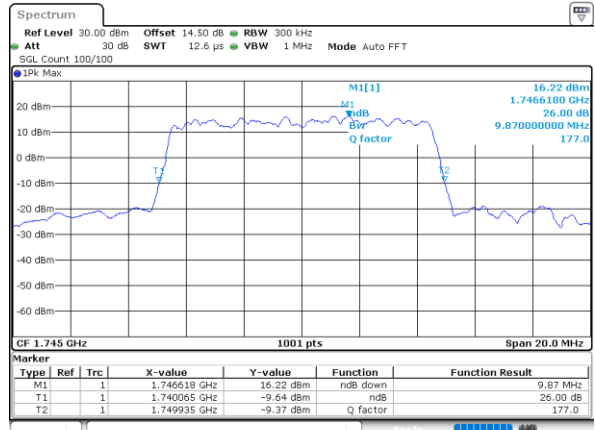
Date: 20\_JUL\_2022 21:20:35

Middle Channel / 10MHz / QPSK



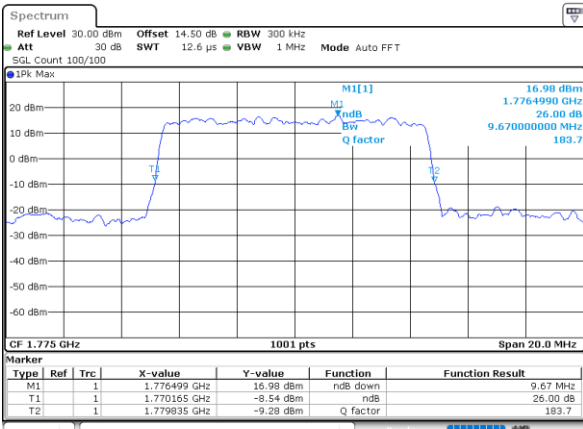
Date: 20\_JUL\_2022 21:29:50

Middle Channel / 10MHz / 16QAM



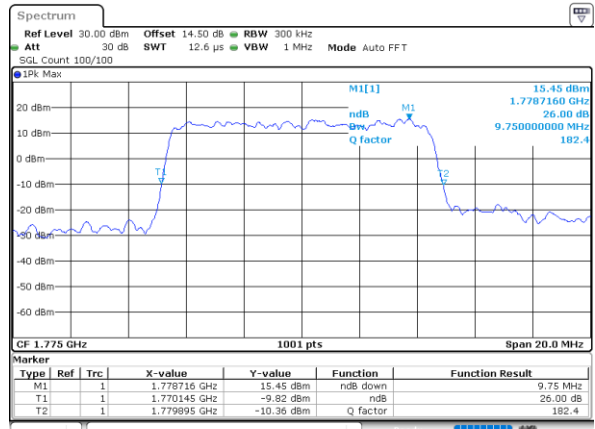
Date: 20\_JUL\_2022 21:30:14

Highest Channel / 10MHz / QPSK



Date: 20\_JUL\_2022 21:33:55

Highest Channel / 10MHz / 16QAM

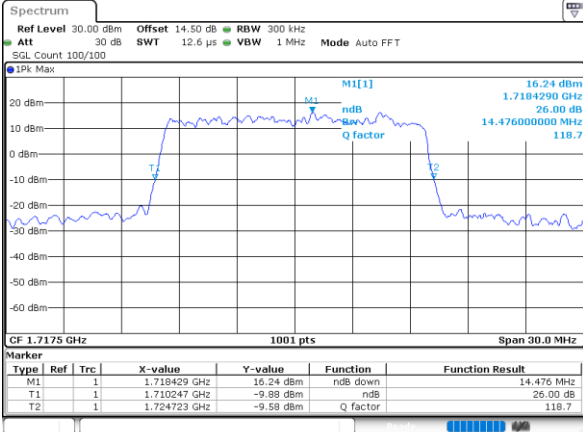


Date: 20\_JUL\_2022 21:34:20



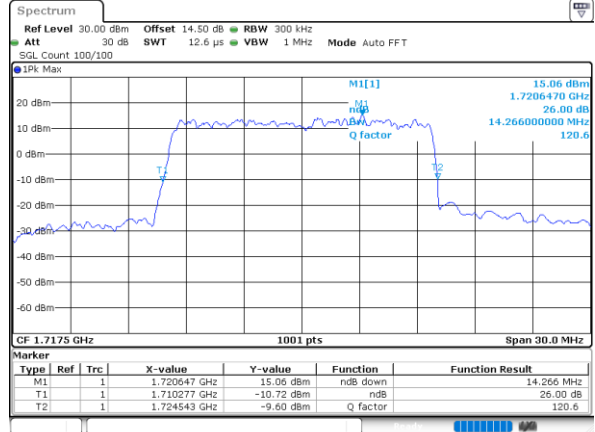
LTE Band 66

Lowest Channel / 15MHz / QPSK



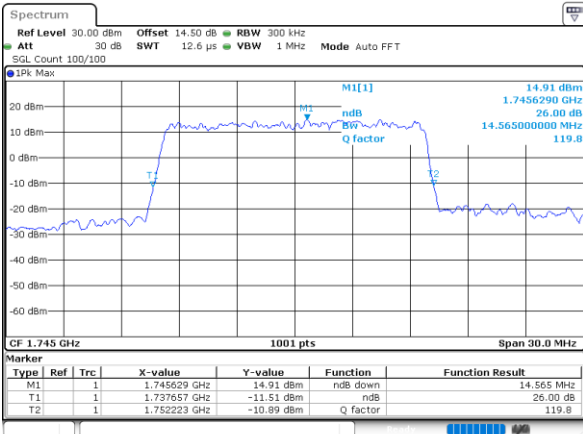
Date: 20\_JUL\_2022 22:10:10

Lowest Channel / 15MHz / 16QAM



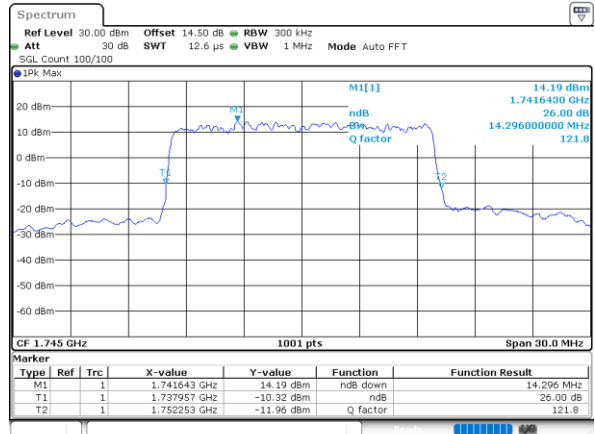
Date: 20\_JUL\_2022 22:10:13

Middle Channel / 15MHz / QPSK



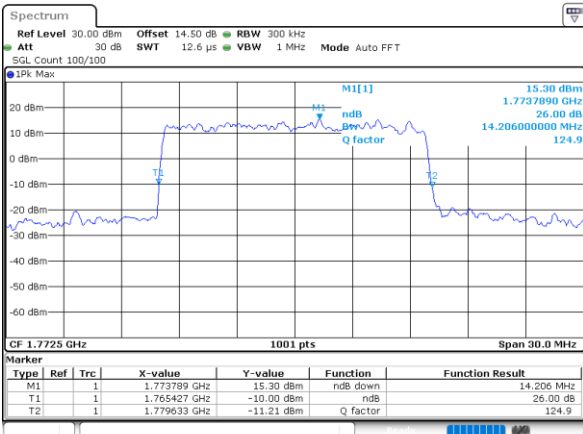
Date: 20\_JUL\_2022 22:18:32

Middle Channel / 15MHz / 16QAM



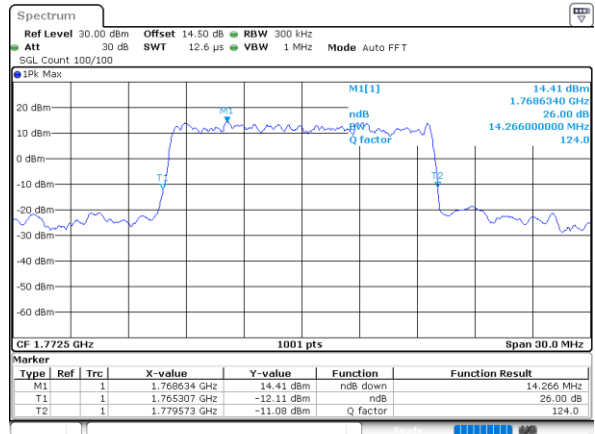
Date: 20\_JUL\_2022 22:18:56

Highest Channel / 15MHz / QPSK



Date: 20\_JUL\_2022 22:21:37

Highest Channel / 15MHz / 16QAM

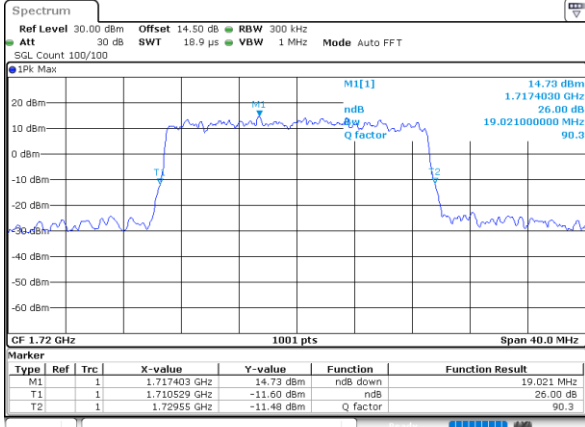


Date: 20\_JUL\_2022 22:23:01



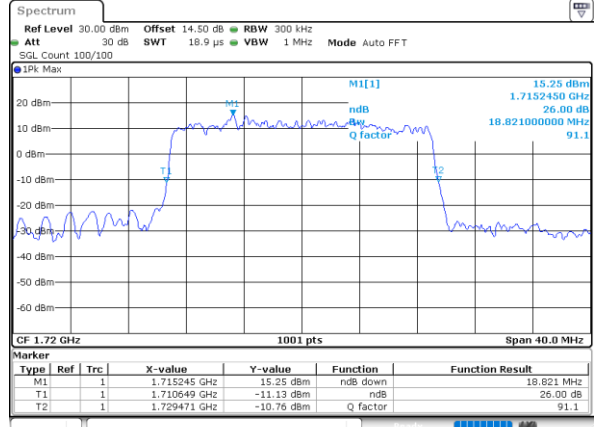
LTE Band 66

Lowest Channel / 20MHz / QPSK



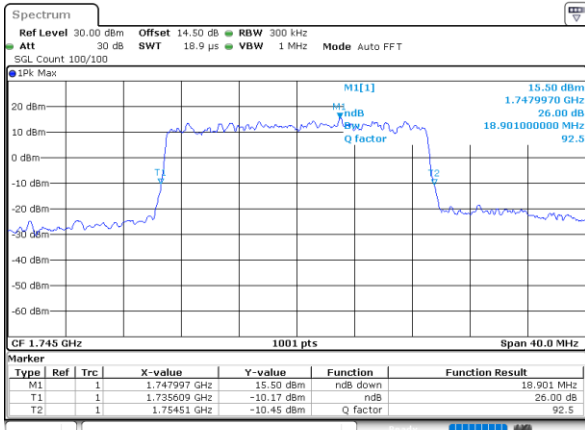
Date: 20\_JUL\_2022 22:32:16

Lowest Channel / 20MHz / 16QAM



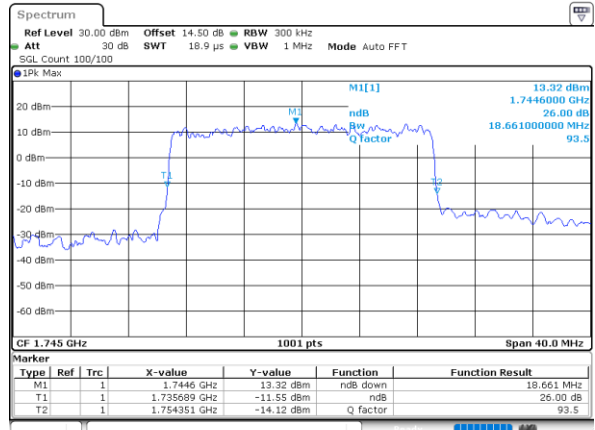
Date: 20\_JUL\_2022 22:32:40

Middle Channel / 20MHz / QPSK



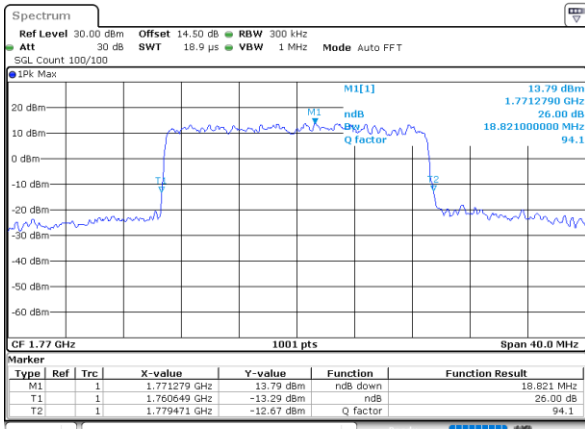
Date: 20\_JUL\_2022 22:41:55

Middle Channel / 20MHz / 16QAM



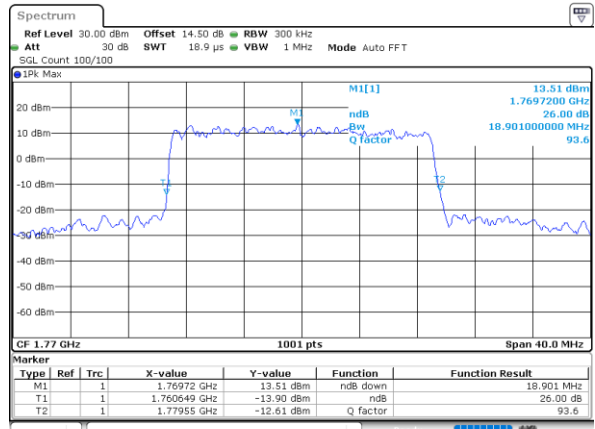
Date: 20\_JUL\_2022 22:42:19

Highest Channel / 20MHz / QPSK



Date: 20\_JUL\_2022 22:46:00

Highest Channel / 20MHz / 16QAM

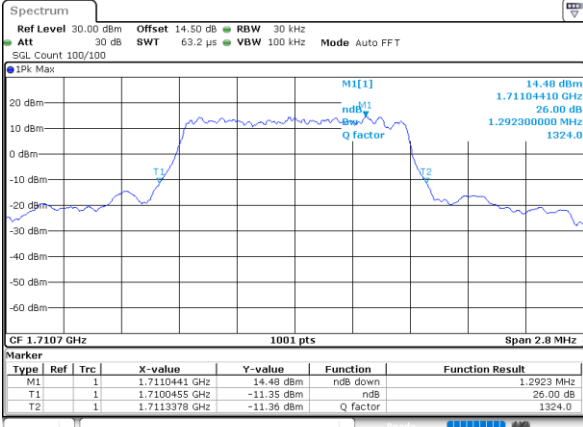


Date: 20\_JUL\_2022 22:46:24



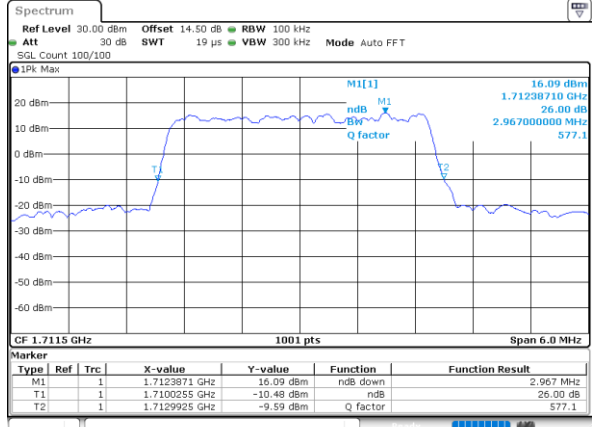
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



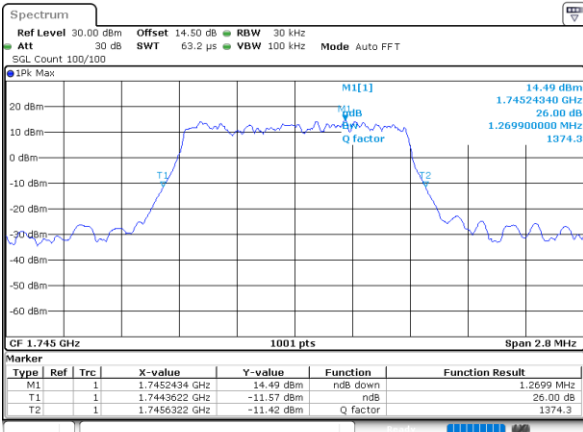
Date: 20\_JUL\_2022 19:37:40

Lowest Channel / 3MHz / 64QAM



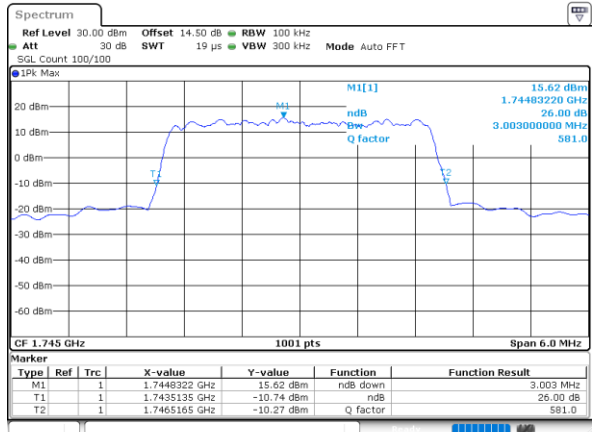
Date: 20\_JUL\_2022 20:13:21

Middle Channel / 1.4MHz / 64QAM



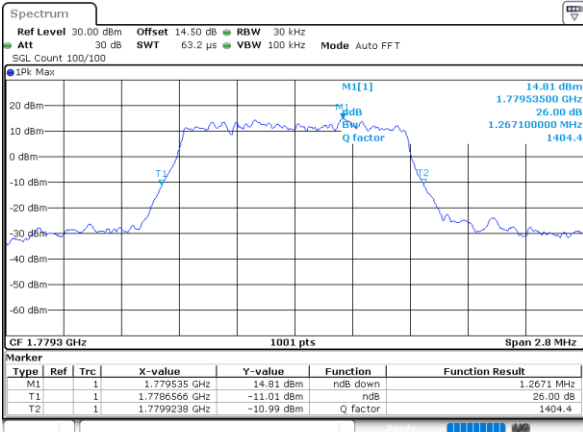
Date: 20\_JUL\_2022 19:47:16

Middle Channel / 3MHz / 64QAM



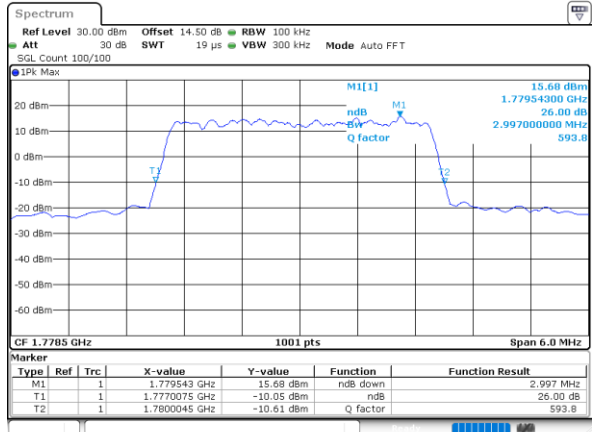
Date: 20\_JUL\_2022 20:13:43

Highest Channel / 1.4MHz / 64QAM



Date: 20\_JUL\_2022 19:49:08

Highest Channel / 3MHz / 64QAM

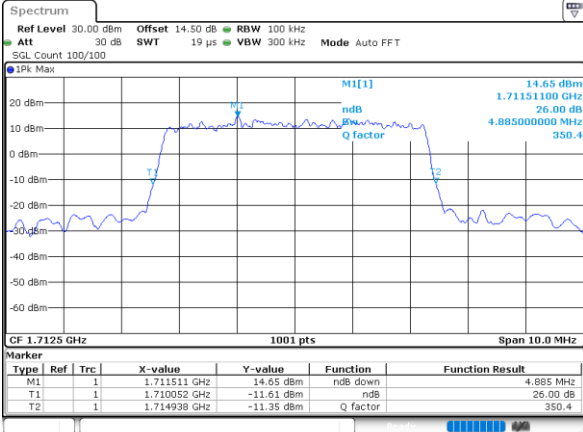


Date: 20\_JUL\_2022 20:13:36



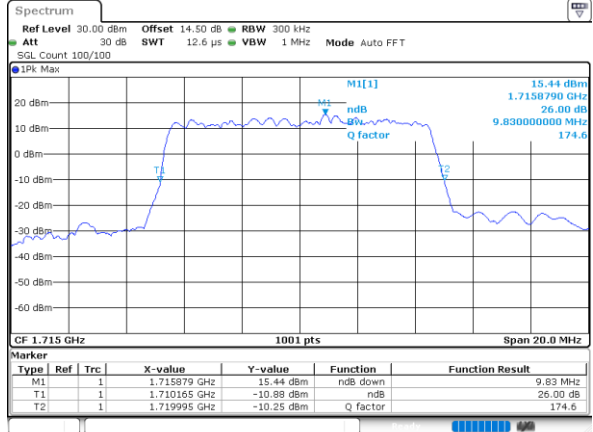
LTE Band 66

Lowest Channel / 5MHz / 64QAM



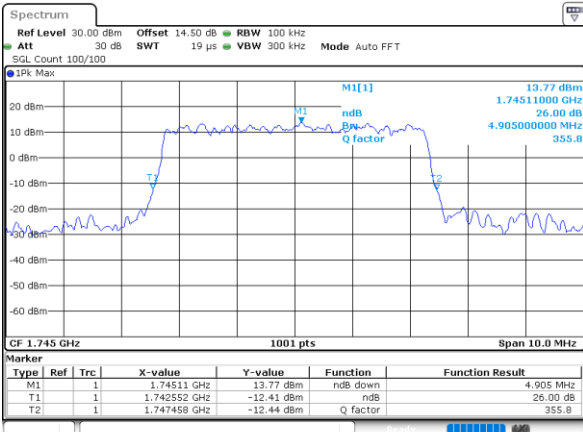
Date: 20\_JUL\_2022 20:44:16

Lowest Channel / 10MHz / 64QAM



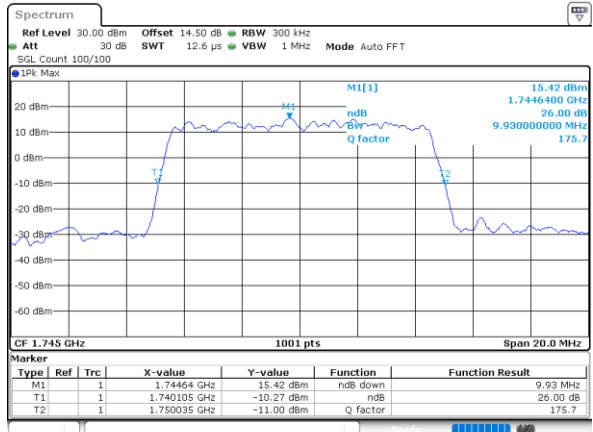
Date: 20\_JUL\_2022 21:43:00

Middle Channel / 5MHz / 64QAM



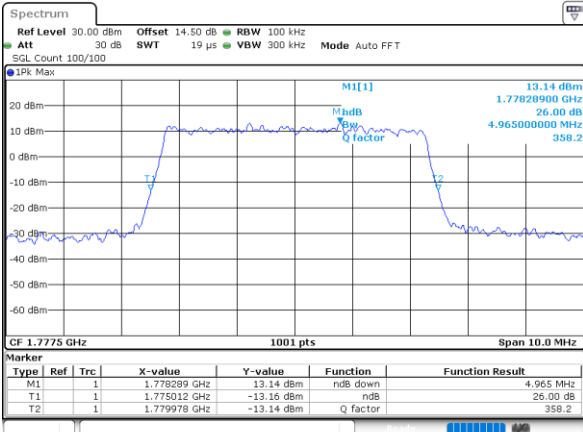
Date: 20\_JUL\_2022 20:48:57

Middle Channel / 10MHz / 64QAM



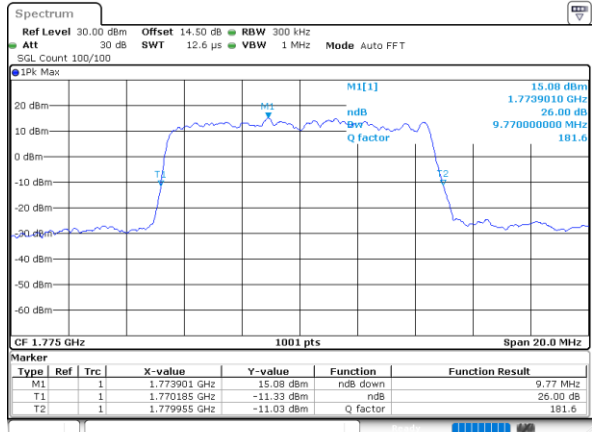
Date: 20\_JUL\_2022 21:47:40

Highest Channel / 5MHz / 64QAM



Date: 20\_JUL\_2022 20:50:50

Highest Channel / 10MHz / 64QAM

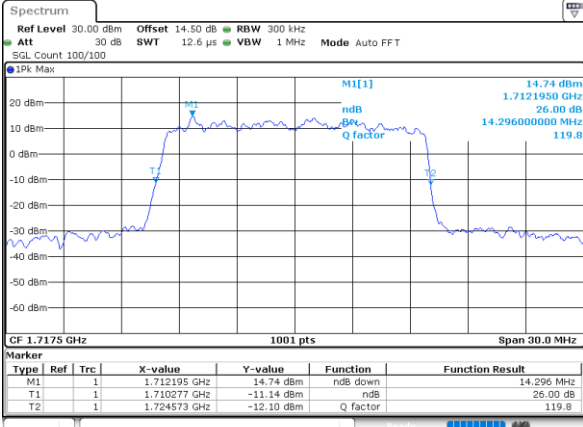


Date: 20\_JUL\_2022 21:49:33



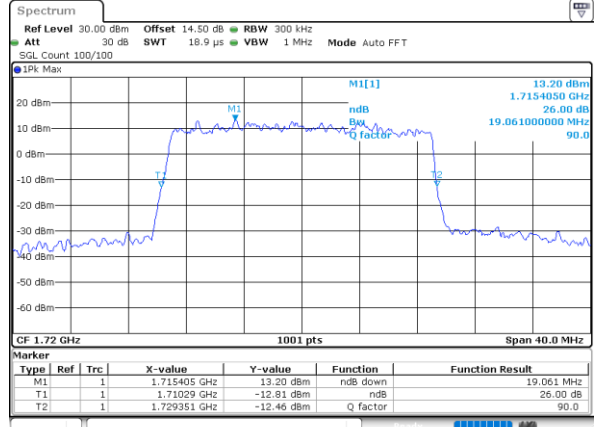
LTE Band 66

Lowest Channel / 15MHz / 64QAM



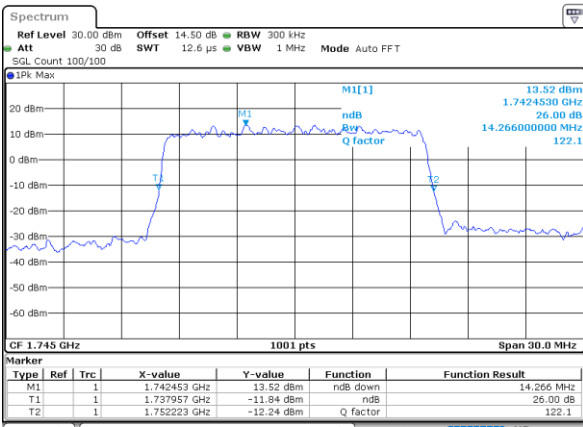
Date: 20\_JUL\_2022 21:56:20

Lowest Channel / 20MHz / 64QAM



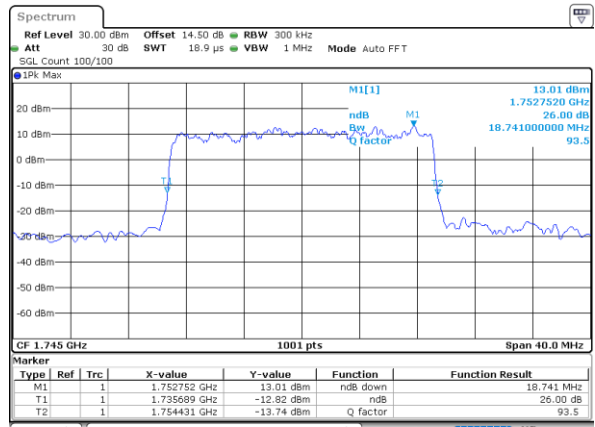
Date: 20\_JUL\_2022 22:55:05

Middle Channel / 15MHz / 64QAM



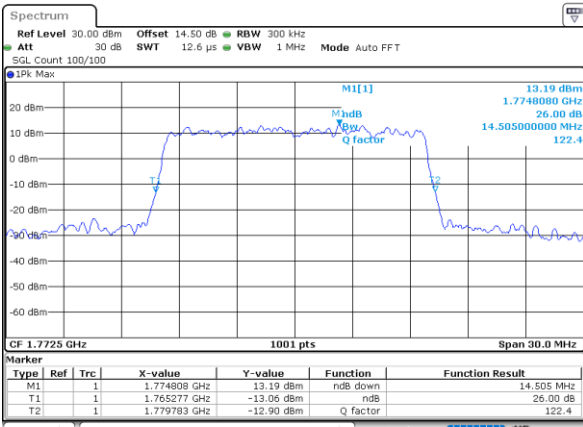
Date: 20\_JUL\_2022 22:01:01

Middle Channel / 20MHz / 64QAM



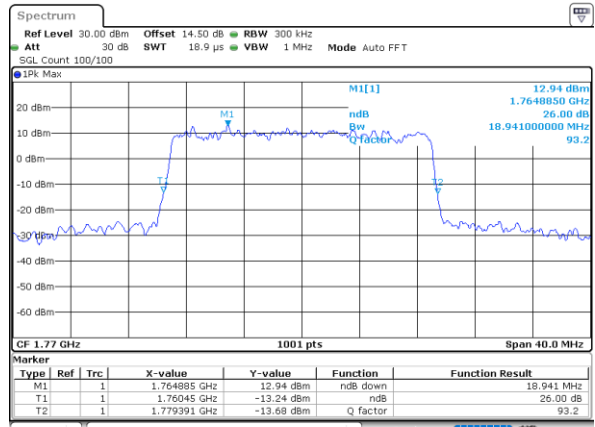
Date: 20\_JUL\_2022 22:59:45

Highest Channel / 15MHz / 64QAM



Date: 20\_JUL\_2022 22:02:53

Highest Channel / 20MHz / 64QAM



Date: 20\_JUL\_2022 23:01:38



Occupied Bandwidth

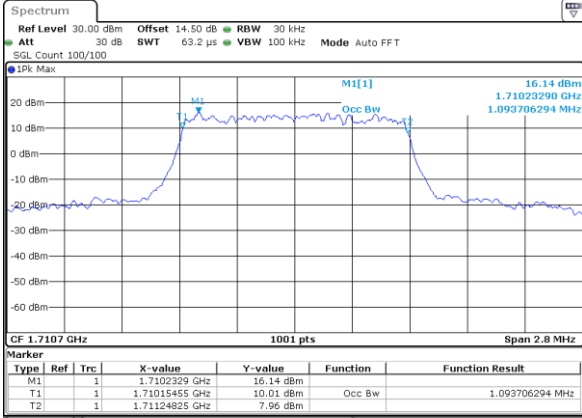
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.72	4.49	4.49	9.01	9.01	13.43	13.37	17.74	17.78
Middle CH	1.09	1.09	2.71	2.71	4.49	4.47	9.07	9.01	13.43	13.37	17.90	17.86
Highest CH	1.09	1.10	2.72	2.71	4.49	4.49	8.97	9.05	13.40	13.43	17.86	17.82
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	-	9.03	-	13.37	-	17.78	-
Middle CH	1.10	-	2.70	-	4.50	-	9.09	-	13.40	-	17.86	-
Highest CH	1.10	-	2.73	-	4.49	-	9.03	-	13.40	-	17.86	-





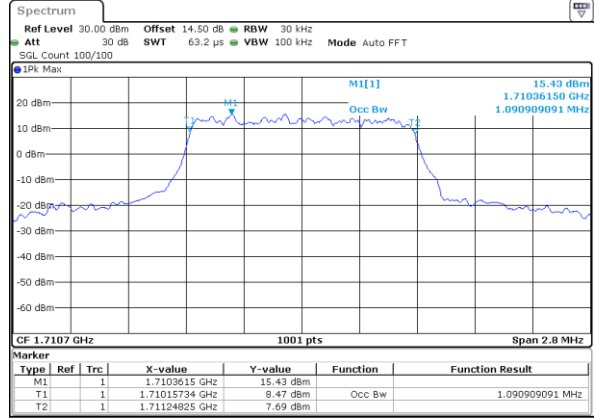
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



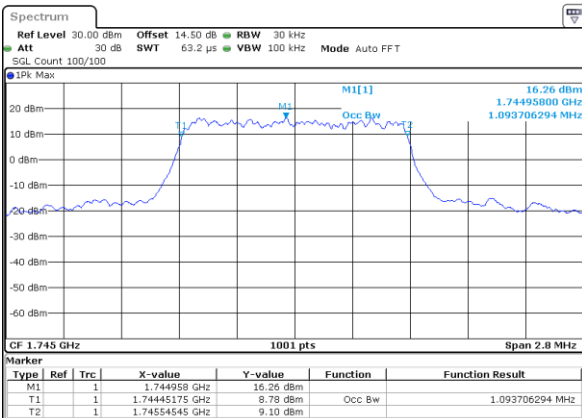
Date: 25\_JUL\_2022 20:30:56

Lowest Channel / 1.4MHz / 16QAM



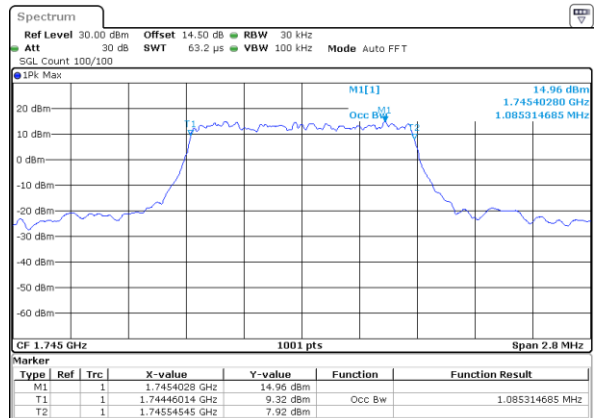
Date: 20\_JUL\_2022 19:15:19

Middle Channel / 1.4MHz / QPSK



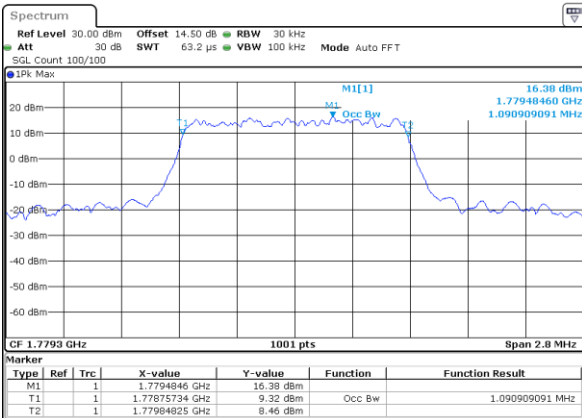
Date: 20\_JUL\_2022 19:24:19

Middle Channel / 1.4MHz / 16QAM



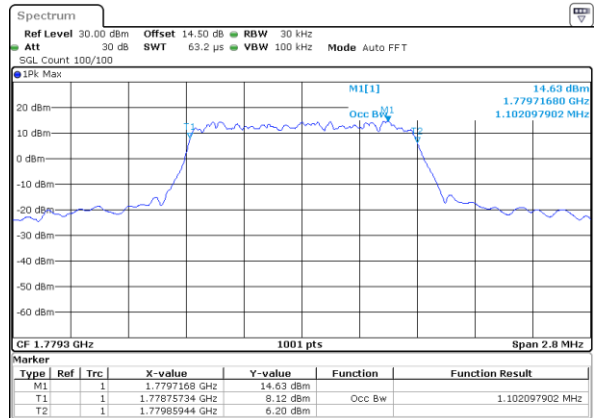
Date: 20\_JUL\_2022 19:24:44

Highest Channel / 1.4MHz / QPSK



Date: 20\_JUL\_2022 19:28:05

Highest Channel / 1.4MHz / 16QAM

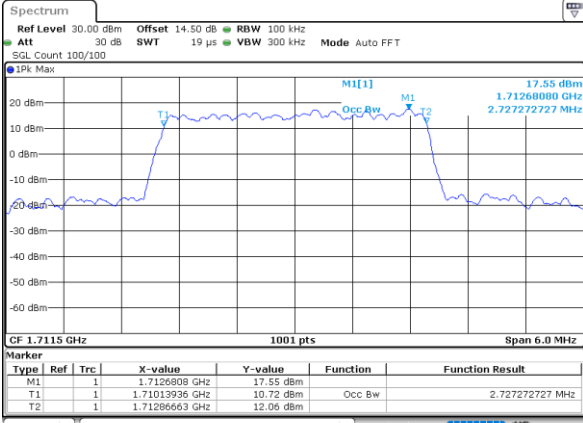


Date: 20\_JUL\_2022 19:28:29



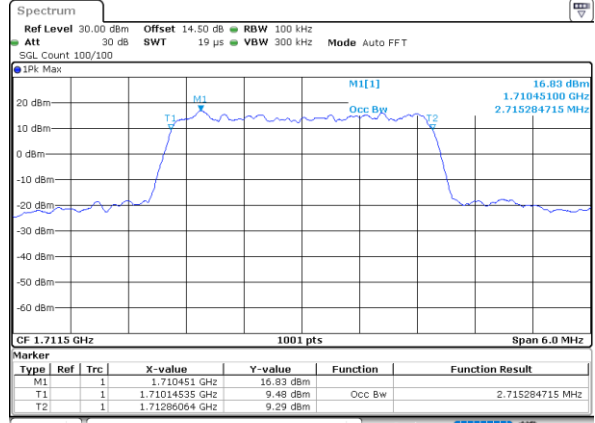
LTE Band 66

Lowest Channel / 3MHz / QPSK



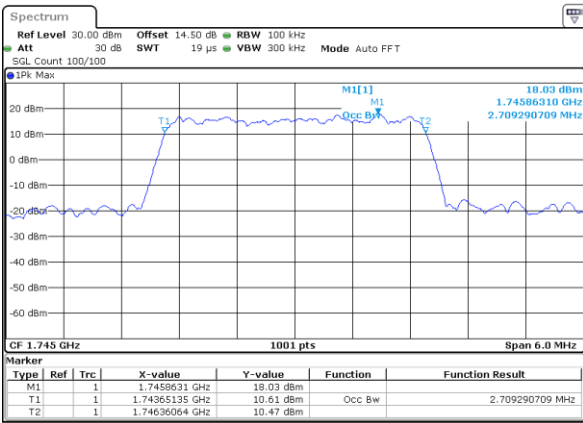
Date: 20\_JUL\_2022 20:06:36

Lowest Channel / 3MHz / 16QAM



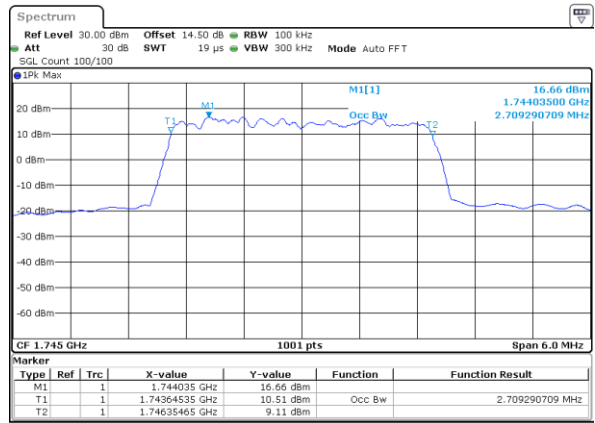
Date: 20\_JUL\_2022 20:07:00

Middle Channel / 3MHz / QPSK



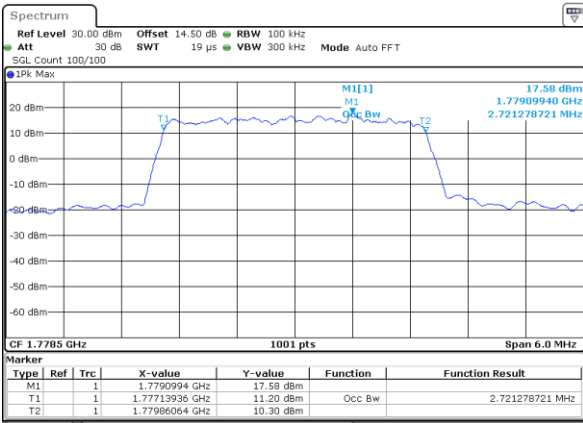
Date: 20\_JUL\_2022 20:16:15

Middle Channel / 3MHz / 16QAM



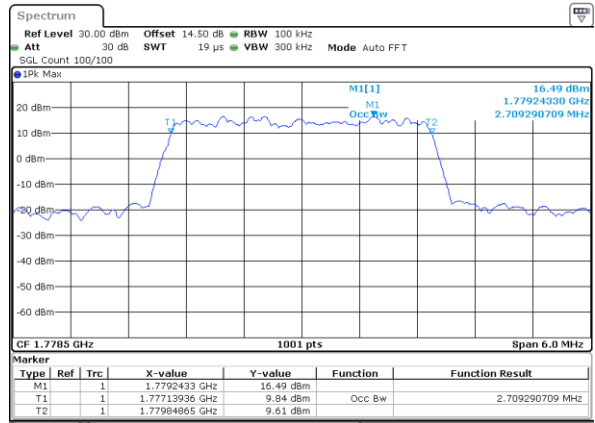
Date: 20\_JUL\_2022 20:16:39

Highest Channel / 3MHz / QPSK



Date: 20\_JUL\_2022 20:20:21

Highest Channel / 3MHz / 16QAM



Date: 20\_JUL\_2022 20:20:46