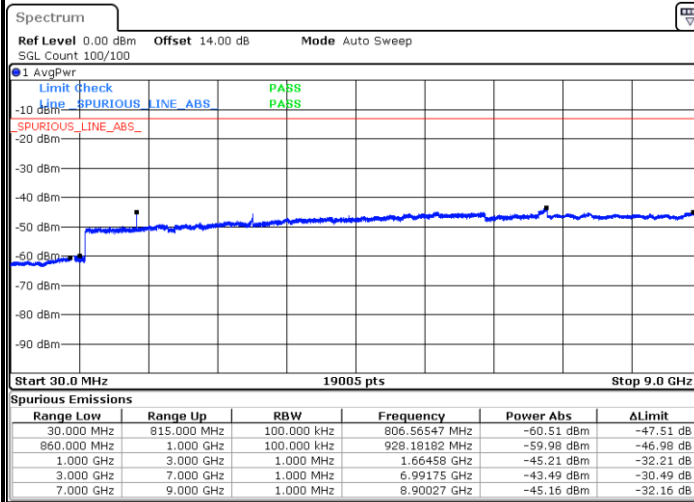




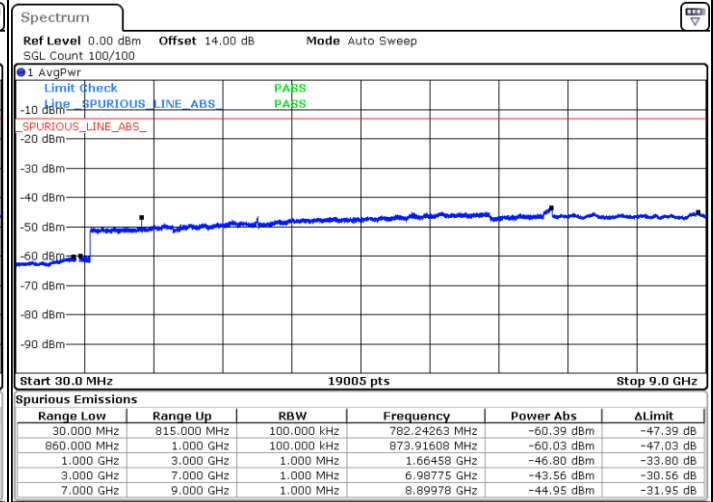
LTE Band 26 / 10MHz

Middle Channel / QPSK



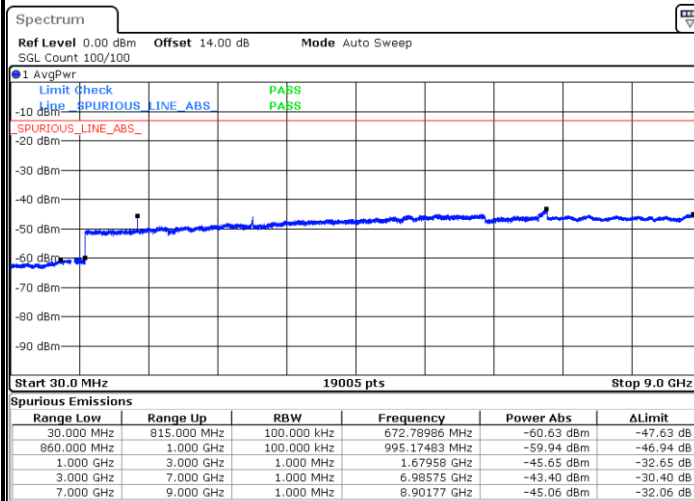
Date: 29.OCT.2020 13:58:32

Middle Channel / 16QAM



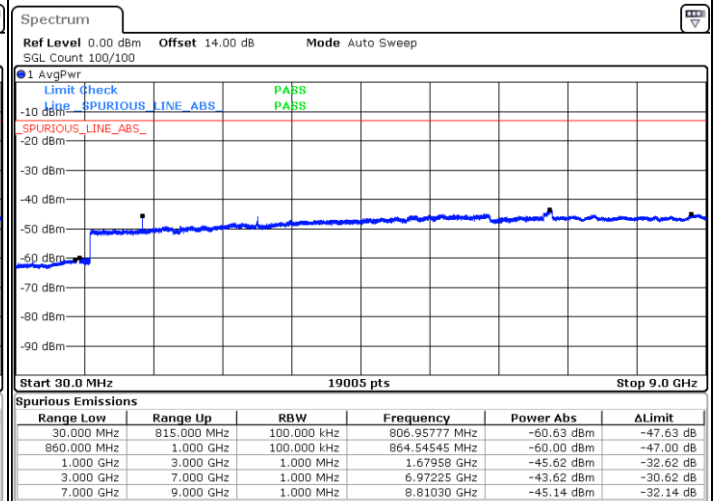
Date: 29.OCT.2020 13:59:25

Highest Channel / QPSK



Date: 29.OCT.2020 14:11:25

Highest Channel / 16QAM

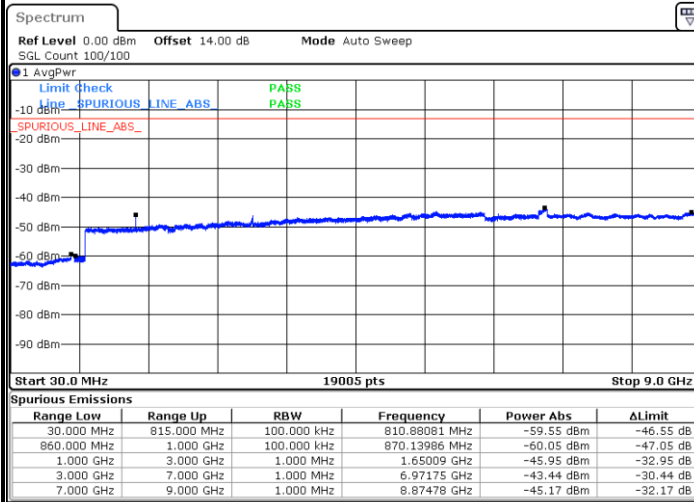


Date: 29.OCT.2020 14:12:25



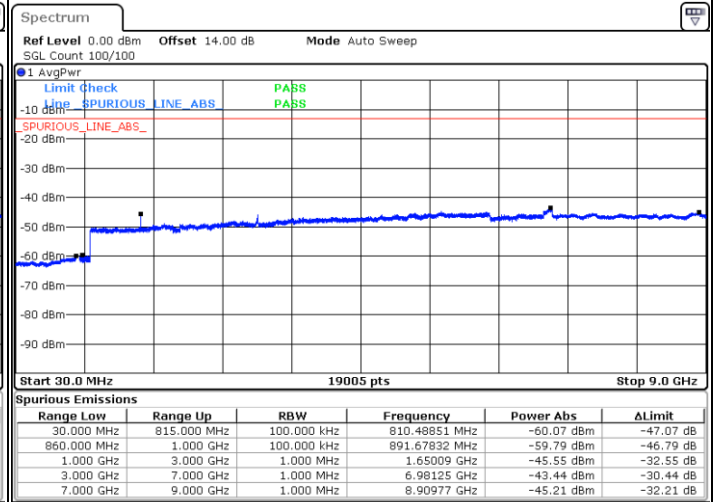
LTE Band 26 / 15MHz

Lowest Channel / QPSK



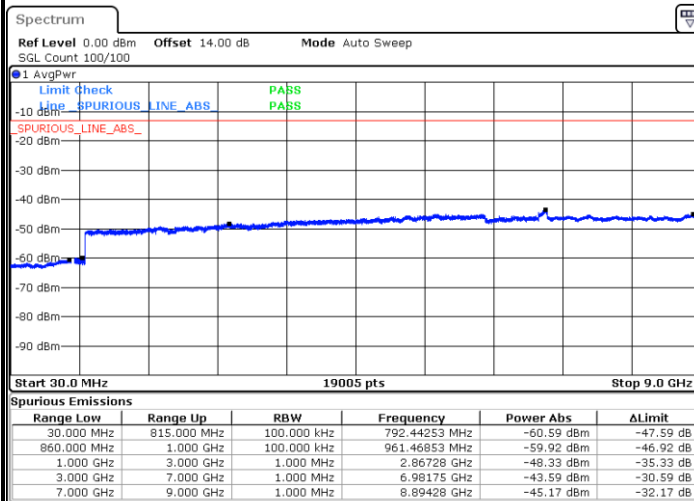
Date: 29.OCT.2020 14:23:00

Lowest Channel / 16QAM



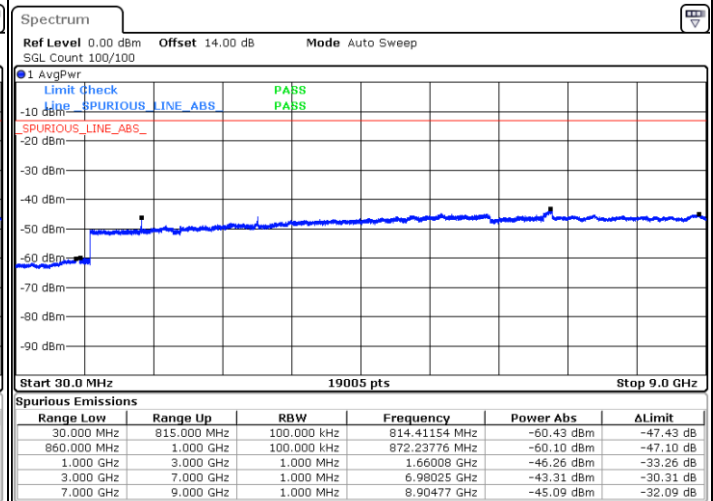
Date: 29.OCT.2020 14:24:37

Middle Channel / QPSK



Date: 29.OCT.2020 14:31:10

Middle Channel / 16QAM

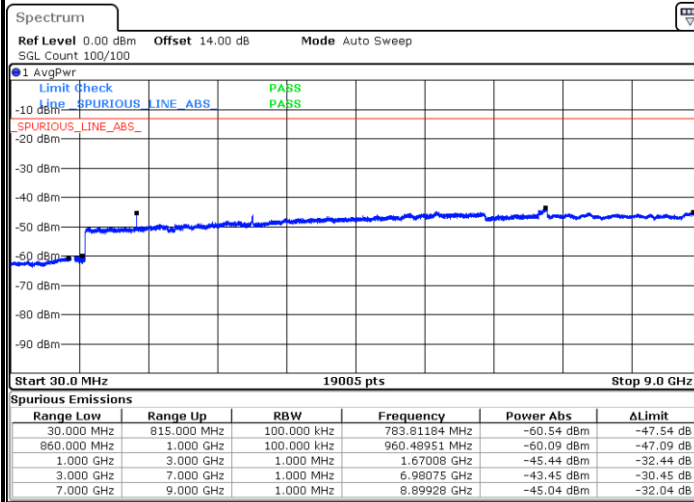


Date: 29.OCT.2020 14:39:01



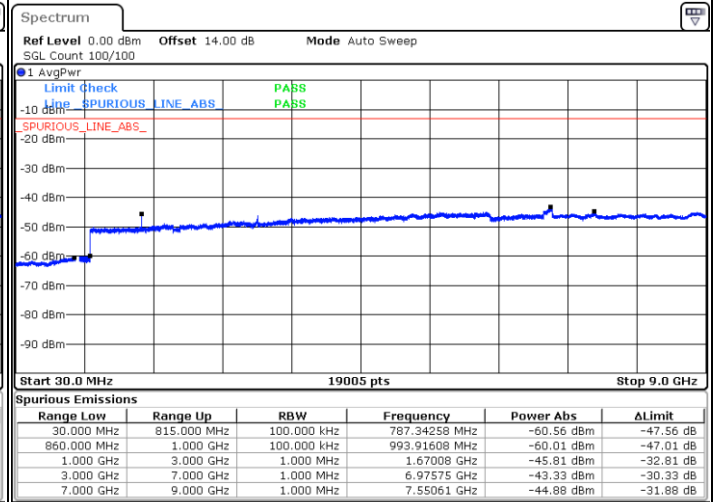
LTE Band 26 / 15MHz

Highest Channel / QPSK



Date: 29.OCT.2020 15:05:49

Highest Channel / 16QAM

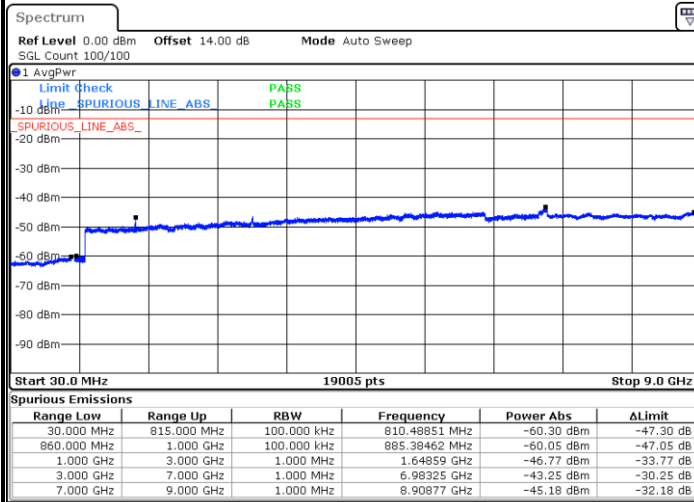


Date: 29.OCT.2020 15:06:35



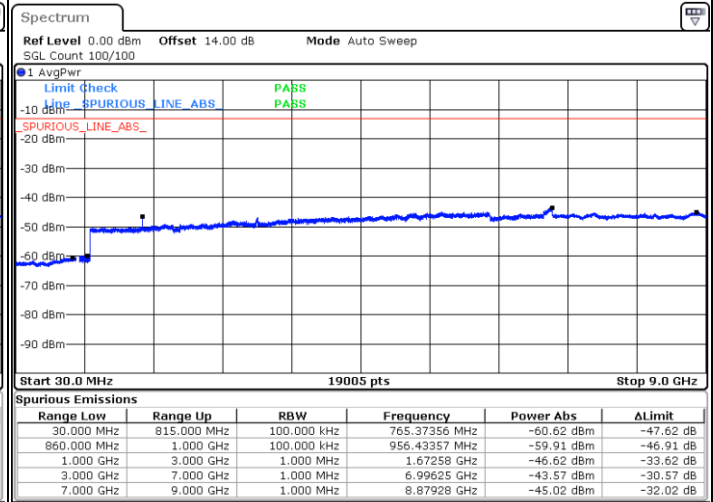
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM



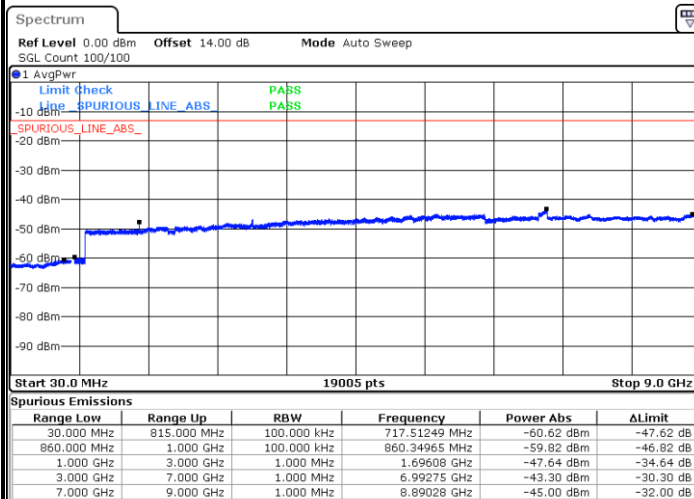
Date: 29.OCT.2020 09:36:49

Middle Channel / 64QAM



Date: 29.OCT.2020 09:40:59

Highest Channel / 64QAM

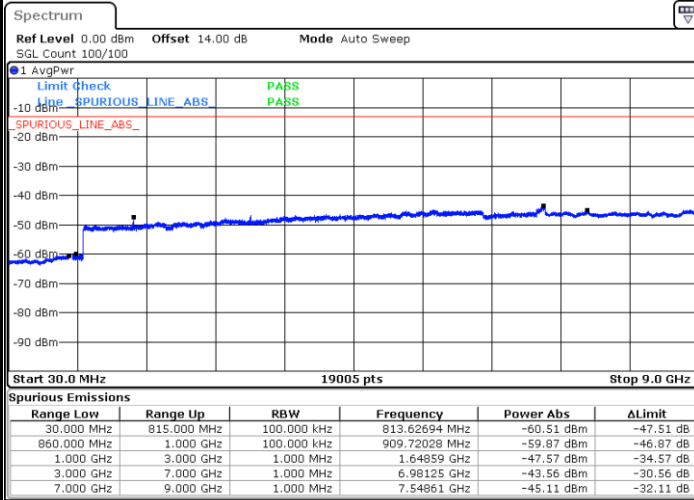


Date: 29.OCT.2020 09:57:54



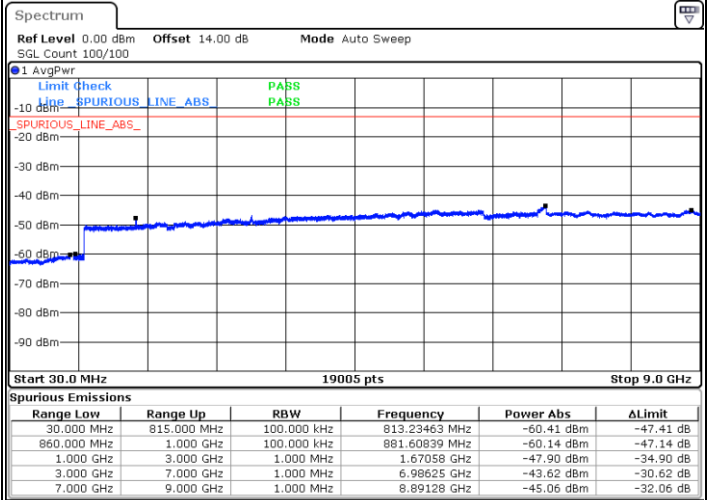
LTE Band 26 / 3MHz

Lowest Channel / 64QAM



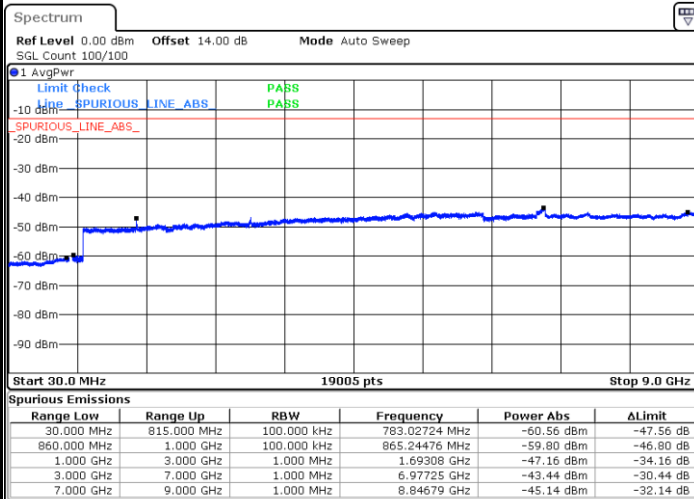
Date: 29.OCT.2020 10:34:17

Middle Channel / 64QAM



Date: 29.OCT.2020 10:38:26

Highest Channel / 64QAM

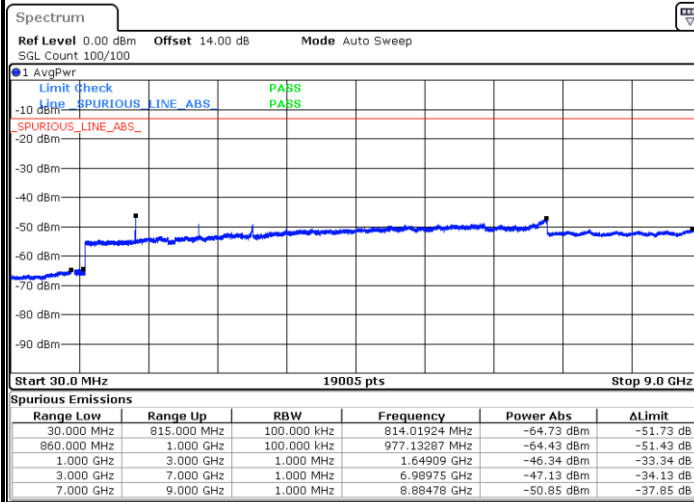


Date: 29.OCT.2020 10:55:57



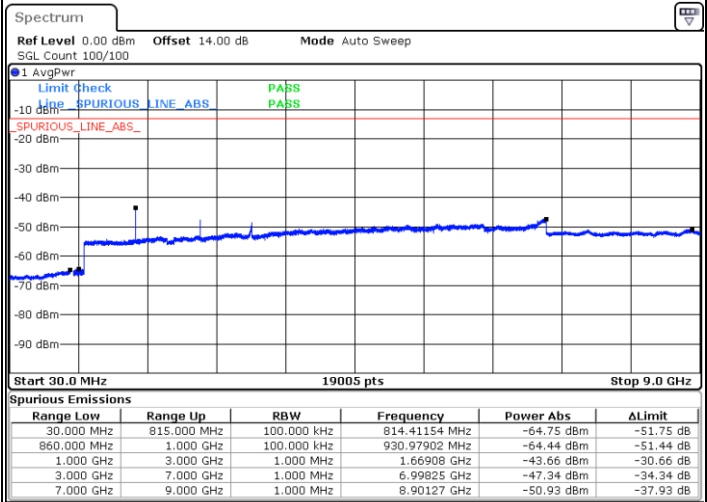
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



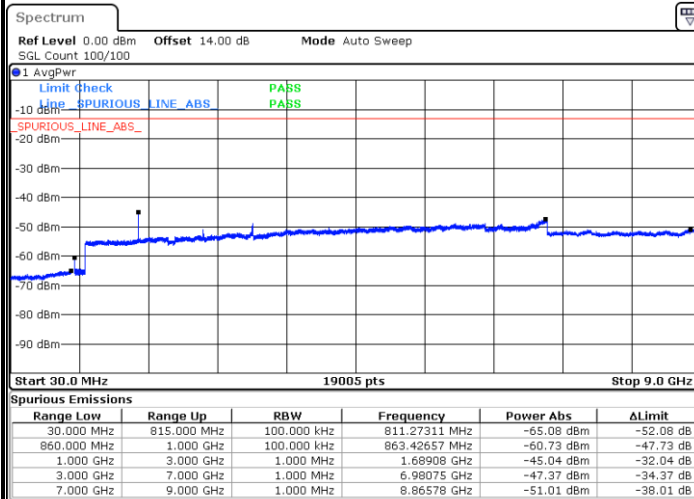
Date: 29.OCT.2020 11:28:19

Middle Channel / 64QAM



Date: 29.OCT.2020 11:39:46

Highest Channel / 64QAM

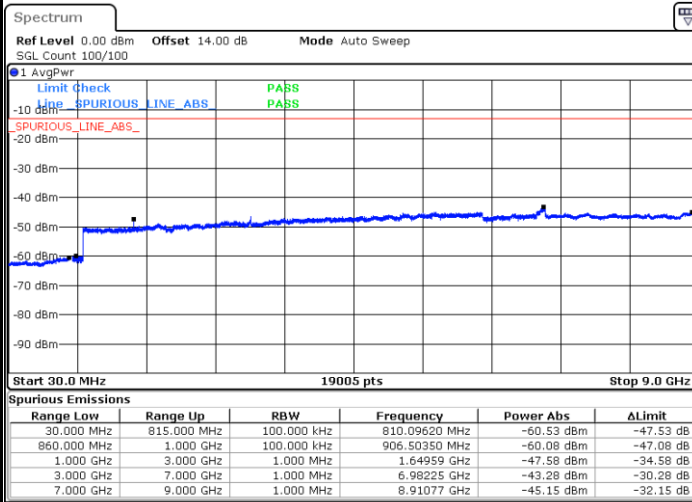


Date: 29.OCT.2020 11:59:13



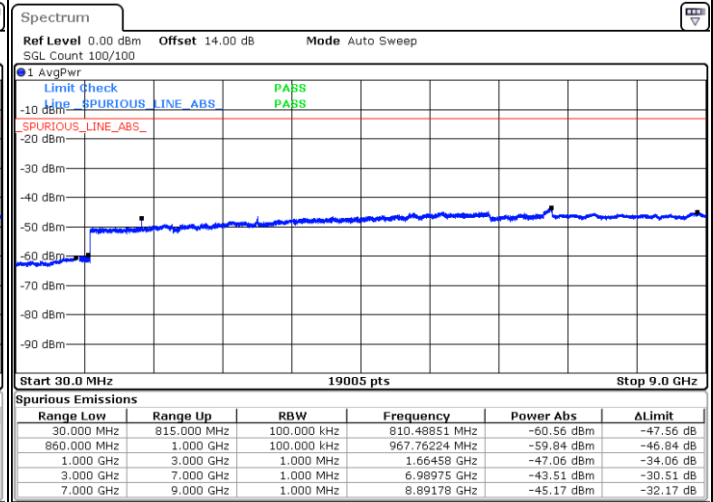
LTE Band 26 / 10MHz

Lowest Channel / 64QAM



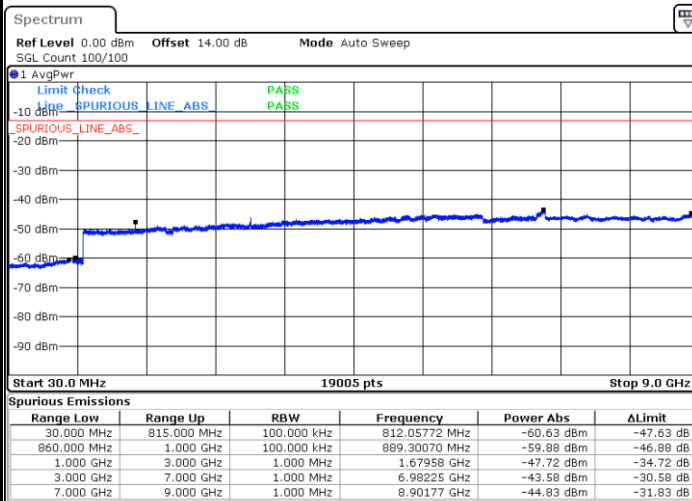
Date: 29.OCT.2020 13:55:33

Middle Channel / 64QAM



Date: 29.OCT.2020 14:01:19

Highest Channel / 64QAM

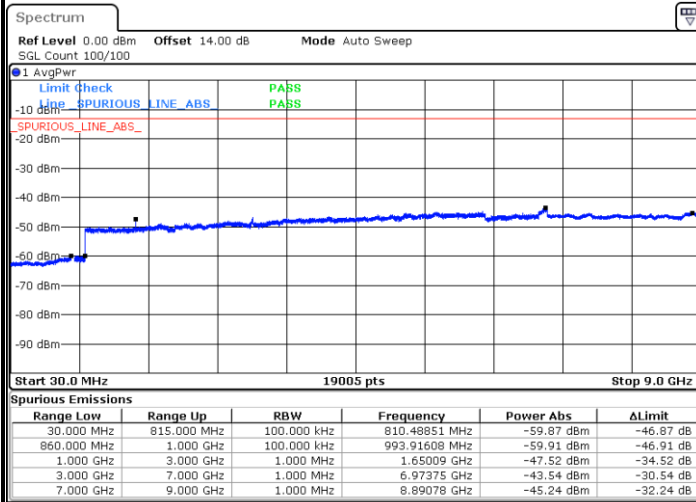


Date: 29.OCT.2020 14:13:18



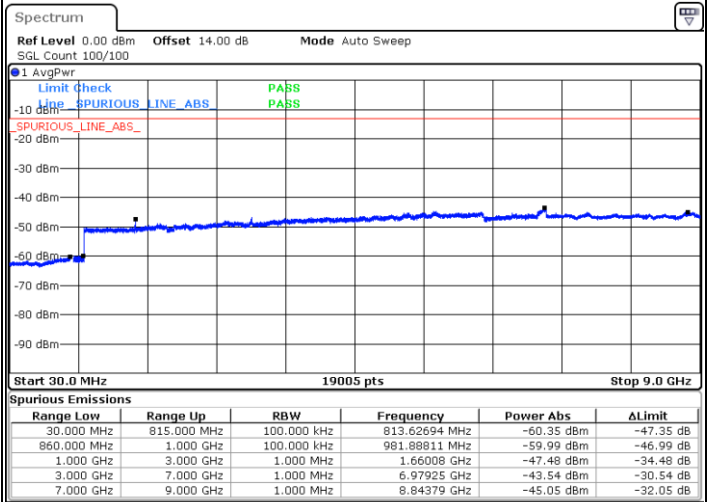
LTE Band 26 / 15MHz

Lowest Channel / 64QAM



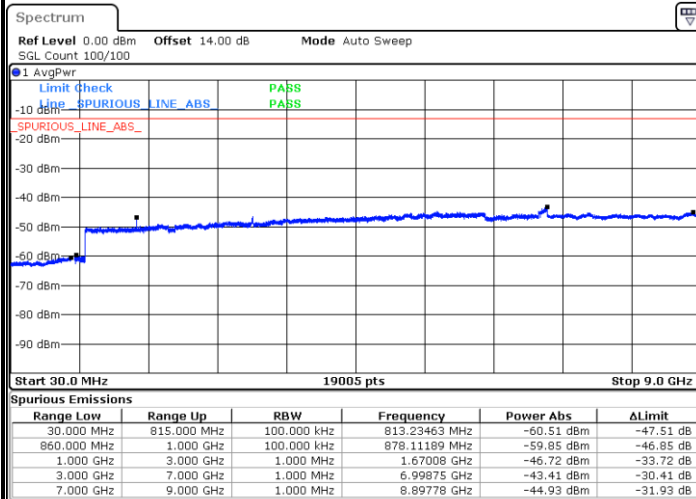
Date: 29.OCT.2020 14:26:35

Middle Channel / 64QAM



Date: 29.OCT.2020 14:39:49

Highest Channel / 64QAM



Date: 29.OCT.2020 15:07:20

**Frequency Stability**

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0054	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0044	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0036	

Note: Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.2V. ; Maximum Voltage =8.9 V.



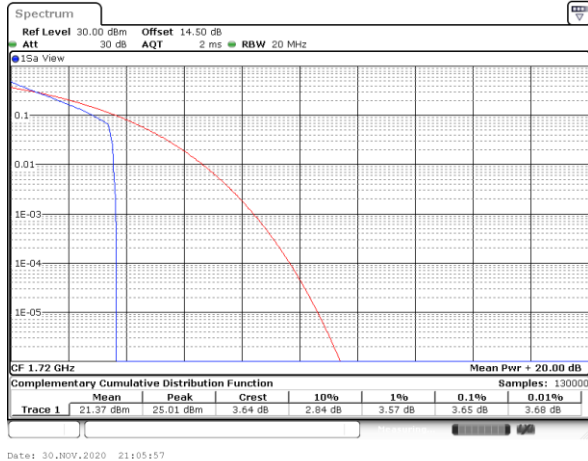
LTE Band 66

Peak-to-Average Ratio

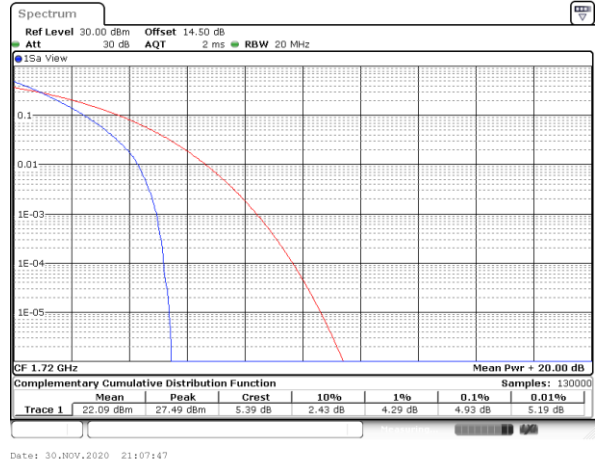
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.65	4.93	5.30	5.91	PASS
Middle CH	4.12	4.96	5.07	5.83	
Highest CH	3.39	4.93	4.46	5.97	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.43	6.58	-	-	PASS
Middle CH	6.93	6.43	-	-	
Highest CH	6.06	6.61	-	-	

LTE Band 66 / 20MHz / QPSK

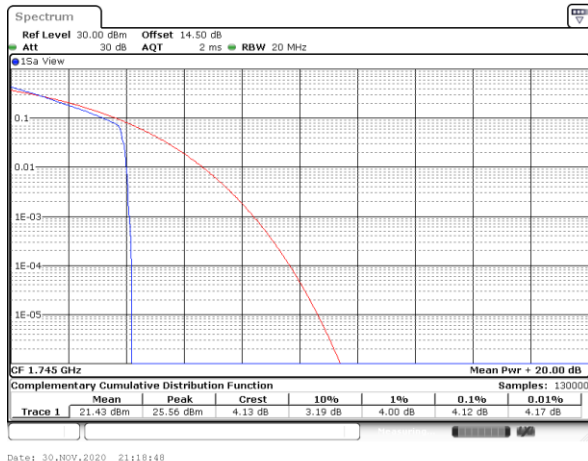
Lowest Channel / 1RB



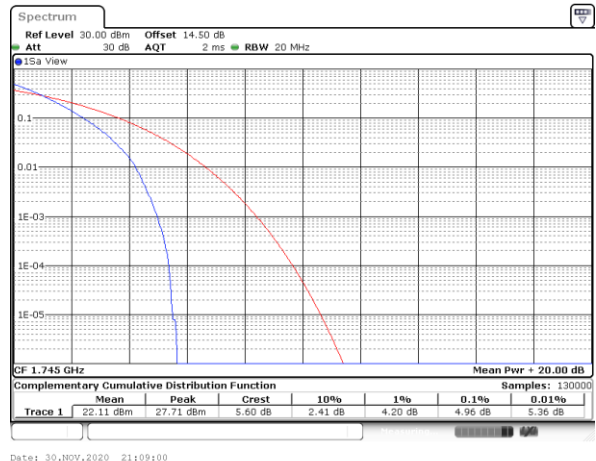
Lowest Channel / Full RB



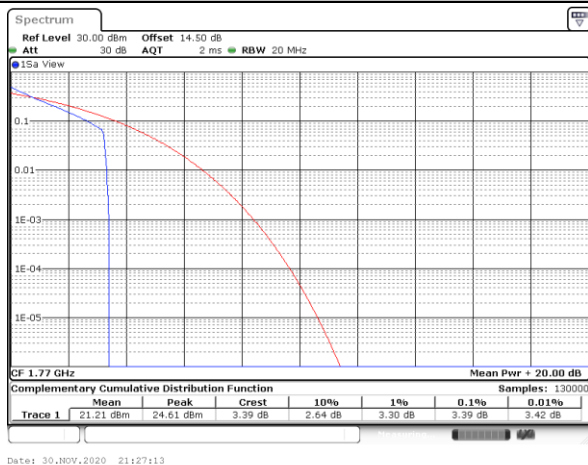
Middle Channel / 1RB



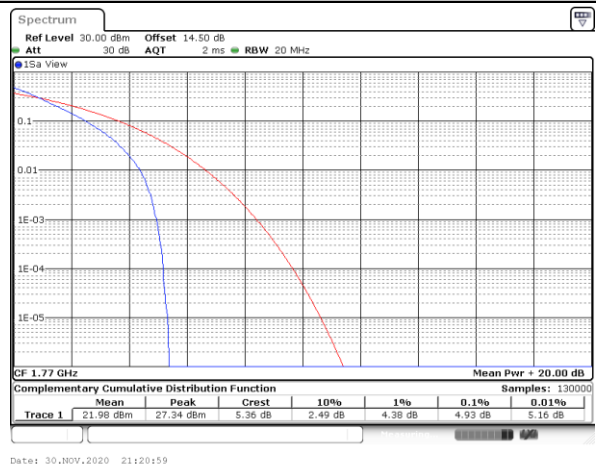
Middle Channel / Full RB

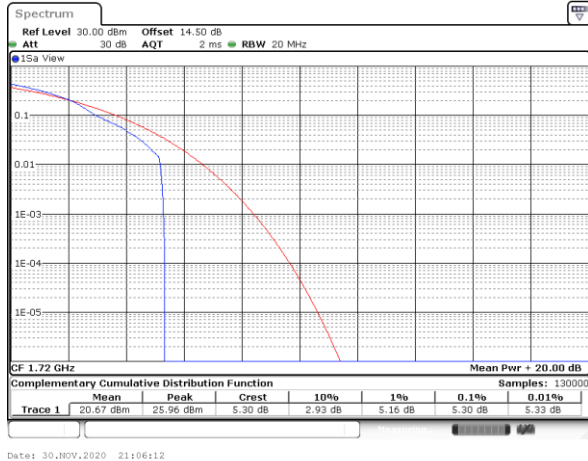
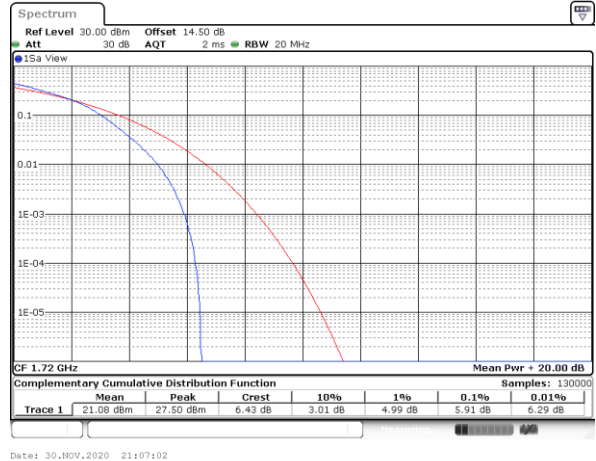
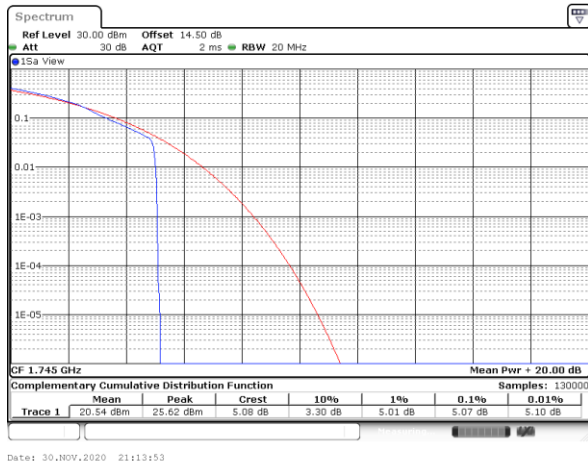
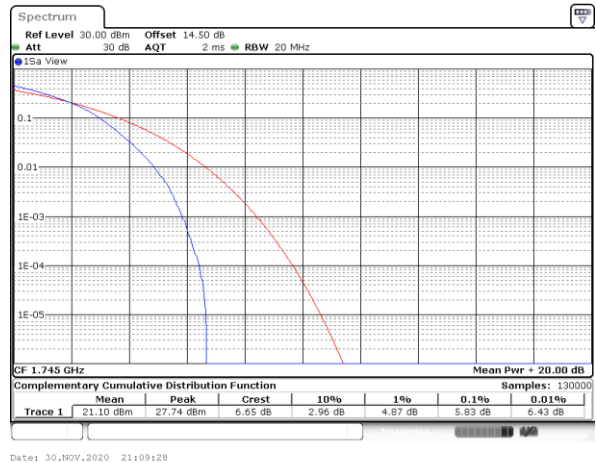
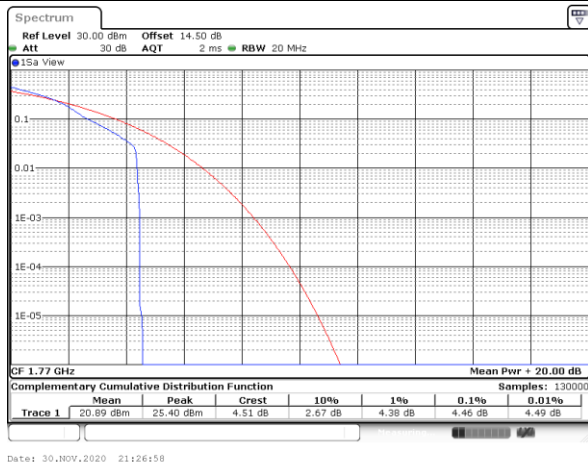
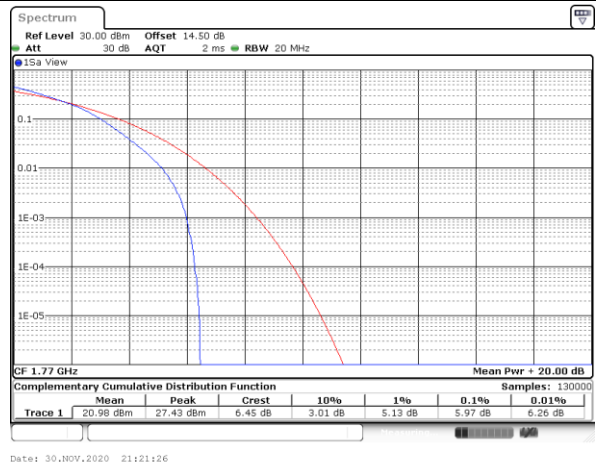


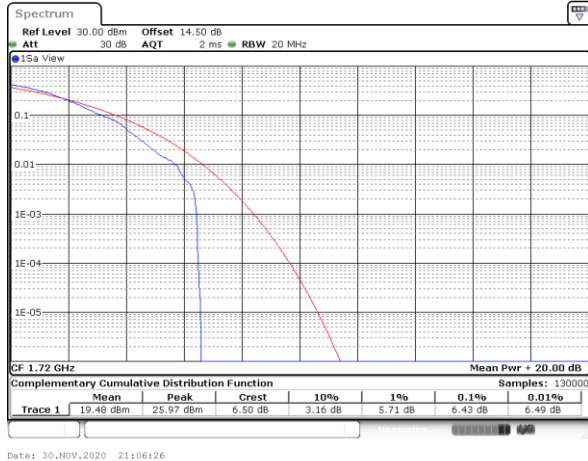
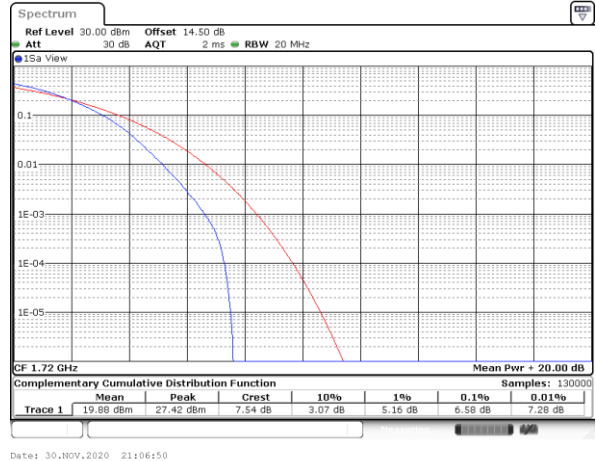
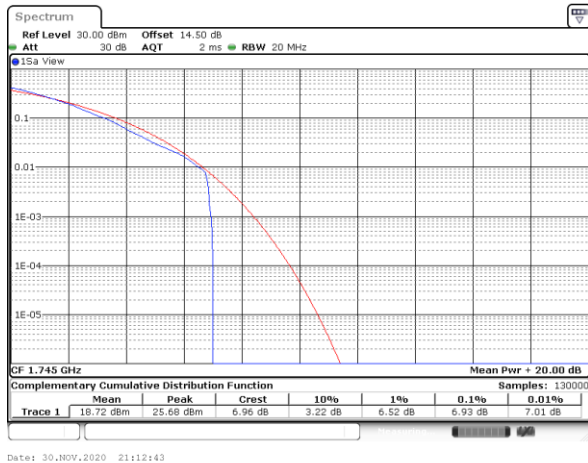
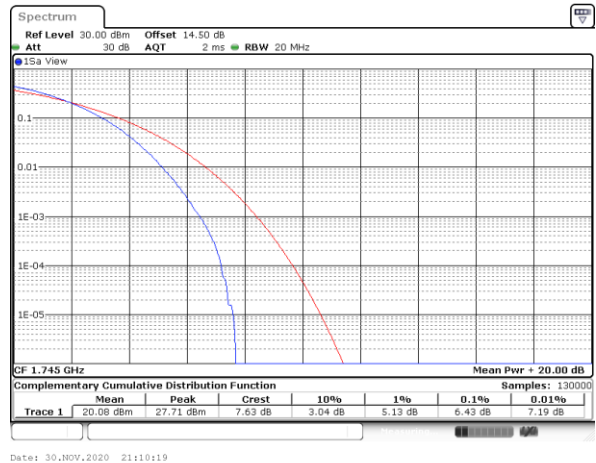
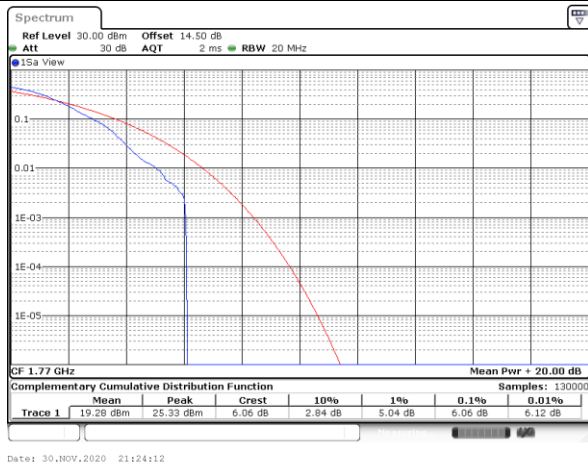
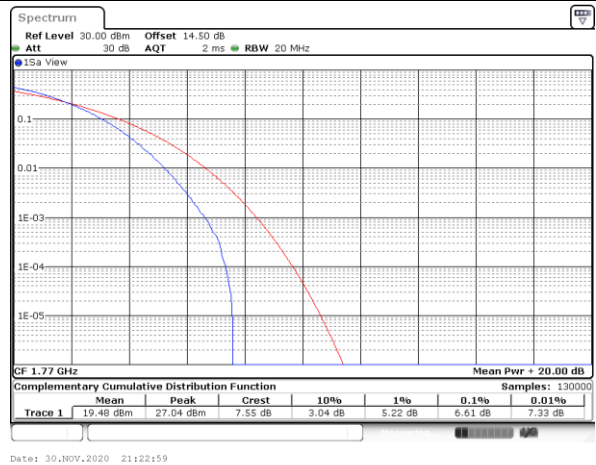
Highest Channel / 1RB



Highest Channel / Full RB



LTE Band 66 / 20MHz / 16QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


LTE Band 66 / 20MHz / 64QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


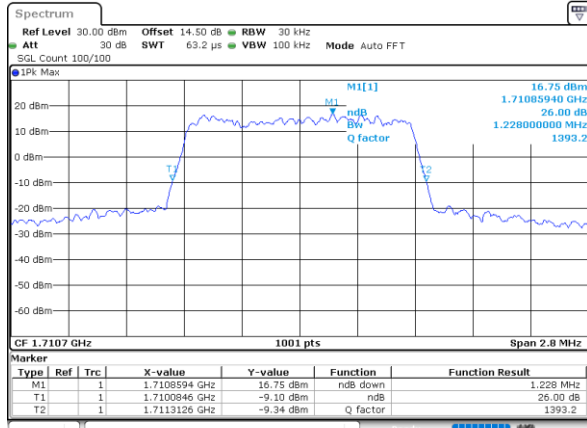
**26dB Bandwidth**

Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.24	3.05	2.95	4.93	4.88	9.71	9.81	14.45	14.48	18.82	18.78
Middle CH	1.23	1.23	3.06	3.00	4.88	4.89	9.73	9.79	14.24	14.39	18.98	18.94
Highest CH	1.24	1.26	3.00	3.06	4.90	4.89	9.81	9.73	14.42	14.36	18.82	18.94
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.22	-	3.00	-	4.83	-	9.85	-	14.54	-	18.94	-
Middle CH	1.21	-	2.97	-	4.85	-	9.85	-	14.36	-	18.78	-
Highest CH	1.23	-	2.97	-	4.84	-	9.67	-	14.24	-	18.98	-



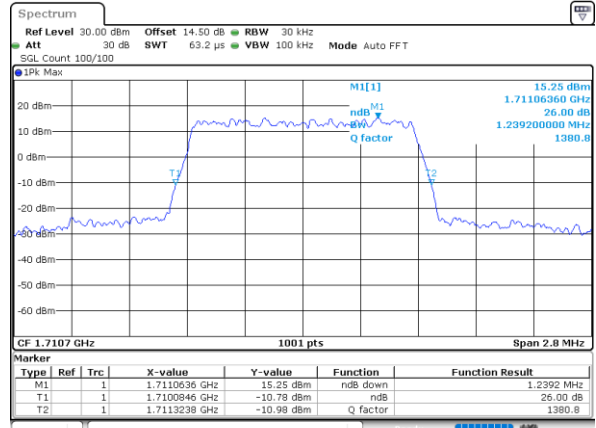
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



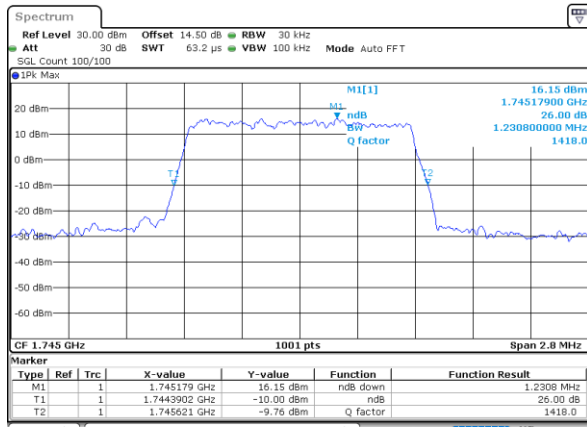
Date: 1.DEC.2020 02:56:29

Lowest Channel / 1.4MHz / 16QAM



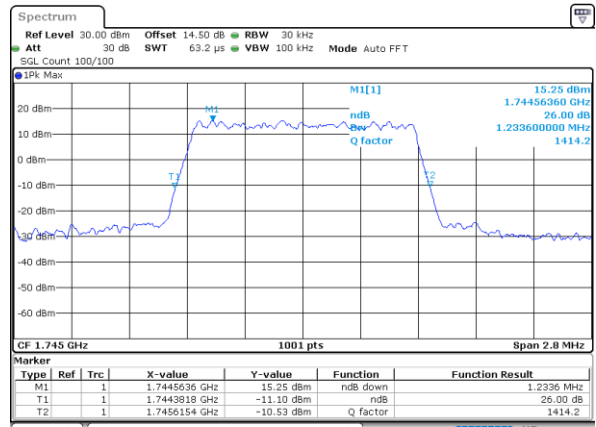
Date: 1.DEC.2020 02:59:34

Middle Channel / 1.4MHz / QPSK



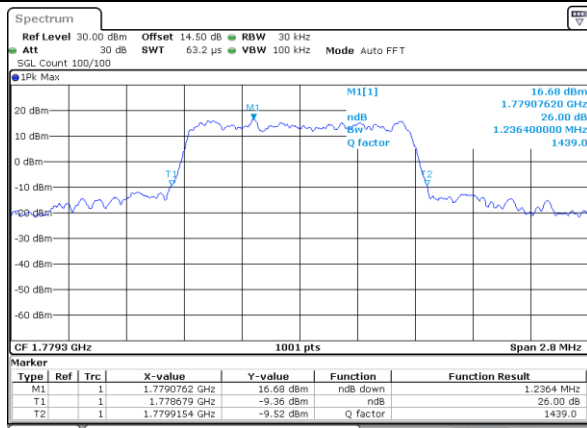
Date: 1.DEC.2020 03:46:04

Middle Channel / 1.4MHz / 16QAM



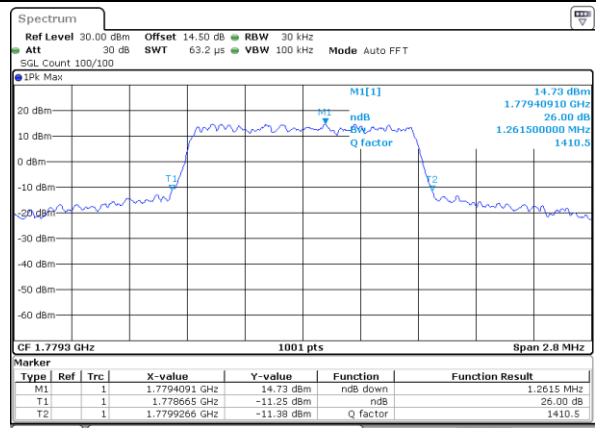
Date: 1.DEC.2020 03:46:31

Highest Channel / 1.4MHz / QPSK



Date: 1.DEC.2020 03:55:37

Highest Channel / 1.4MHz / 16QAM

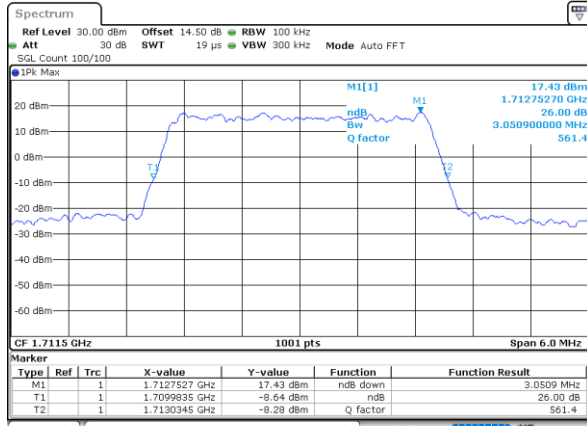


Date: 1.DEC.2020 04:06:45

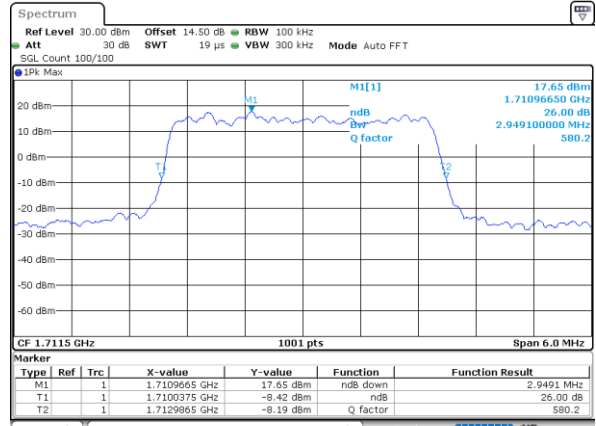


LTE Band 66

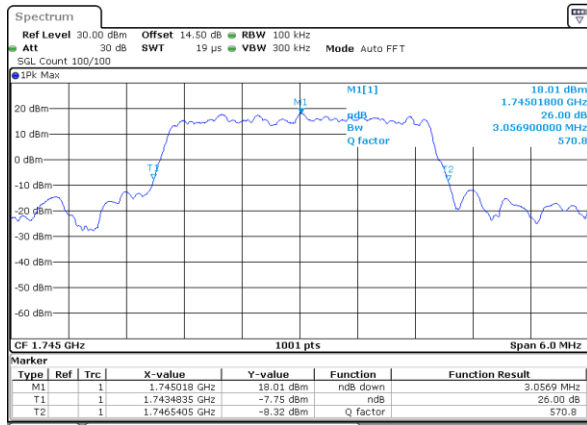
Lowest Channel / 3MHz / QPSK



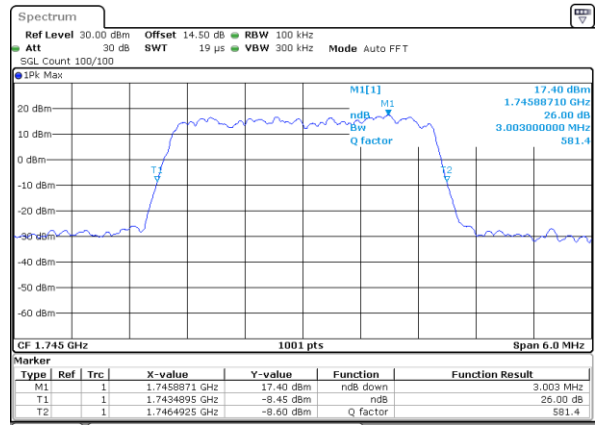
Lowest Channel / 3MHz / 16QAM



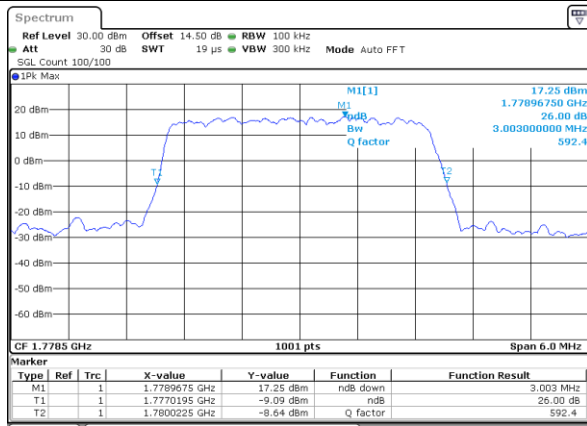
Middle Channel / 3MHz / QPSK



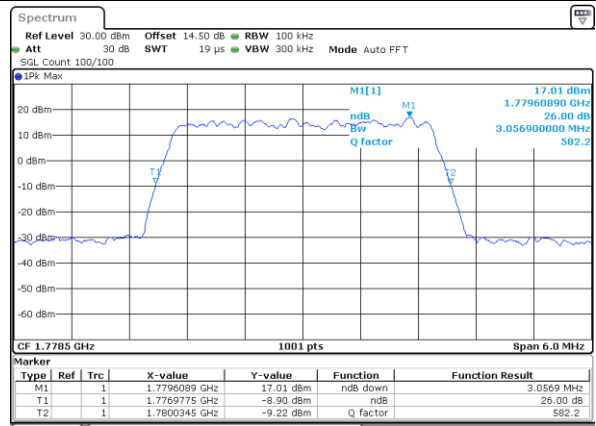
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



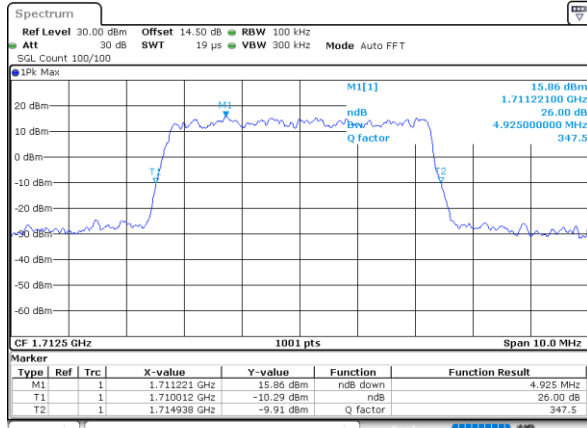
Highest Channel / 3MHz / 16QAM





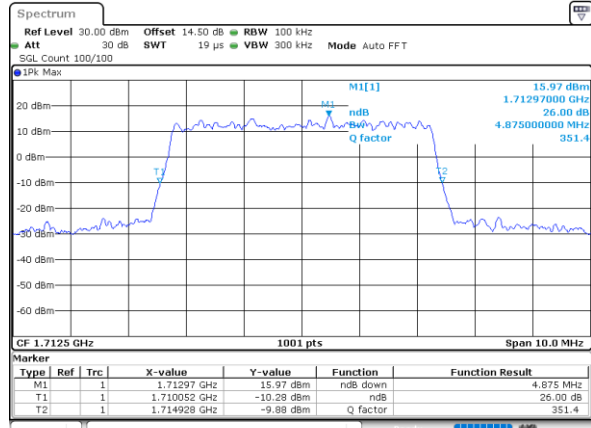
LTE Band 66

Lowest Channel / 5MHz / QPSK



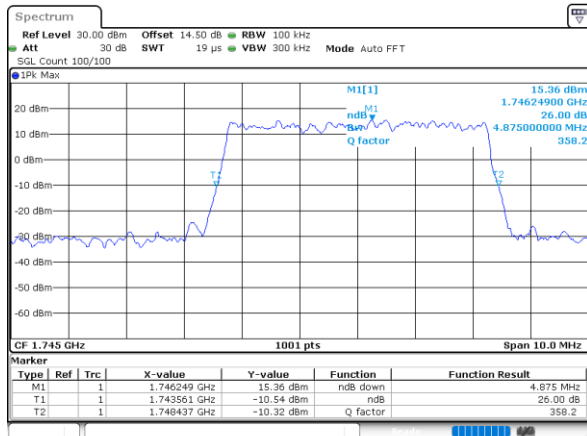
Date: 30,NOV,2020 22:50:47

Lowest Channel / 5MHz / 16QAM



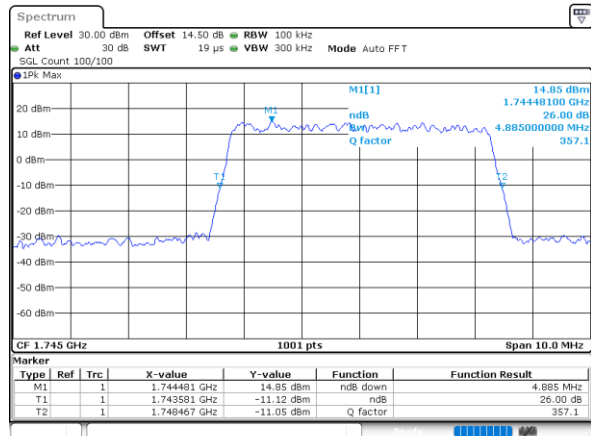
Date: 30,NOV,2020 22:55:15

Middle Channel / 5MHz / QPSK



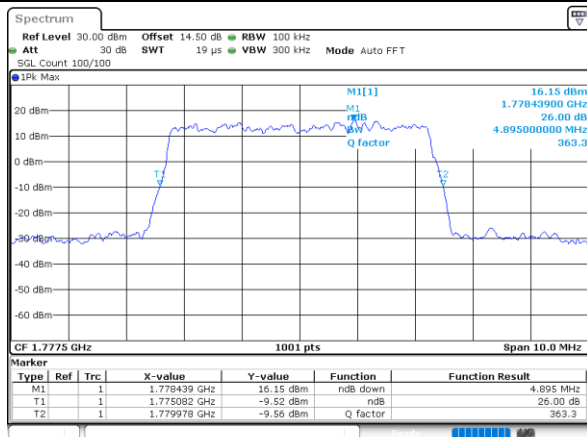
Date: 1,DEC,2020 00:01:51

Middle Channel / 5MHz / 16QAM



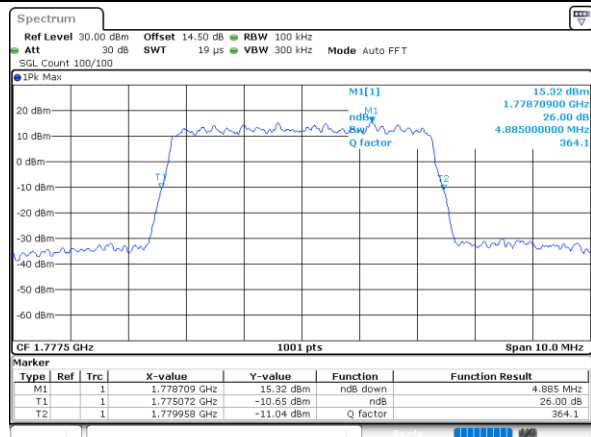
Date: 1,DEC,2020 00:01:27

Highest Channel / 5MHz / QPSK



Date: 1,DEC,2020 00:23:39

Highest Channel / 5MHz / 16QAM

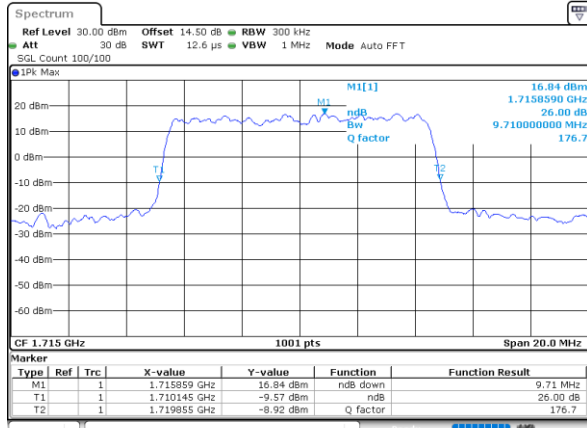


Date: 1,DEC,2020 00:30:07



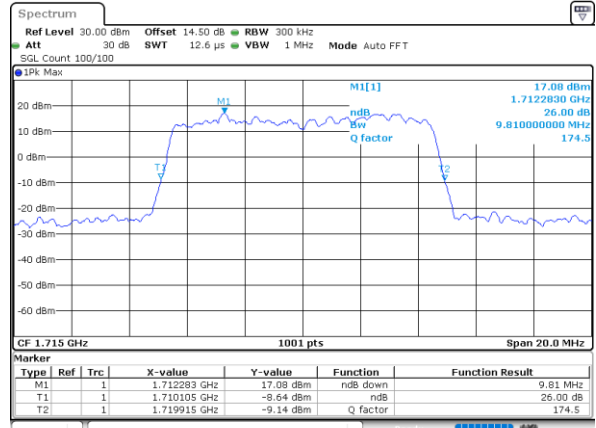
LTE Band 66

Lowest Channel / 10MHz / QPSK



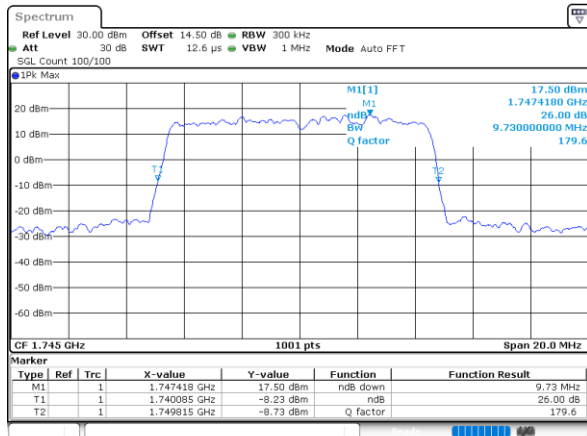
Date: 30,NOV,2020 22:10:50

Lowest Channel / 10MHz / 16QAM



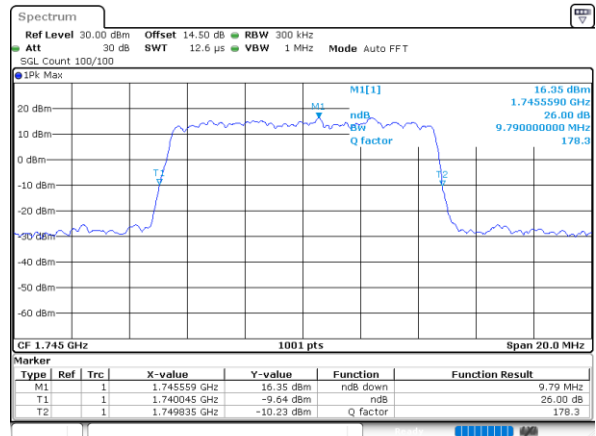
Date: 30,NOV,2020 22:12:30

Middle Channel / 10MHz / QPSK



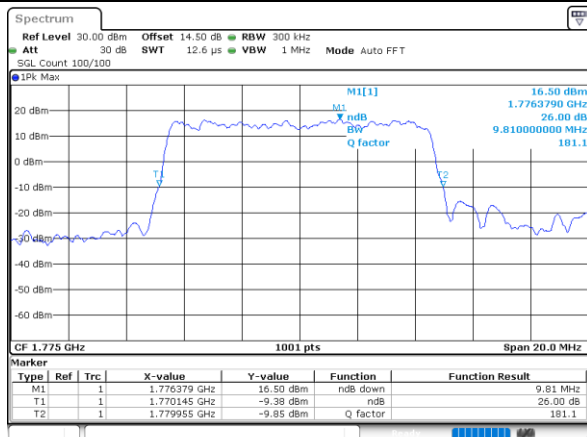
Date: 30,NOV,2020 22:19:10

Middle Channel / 10MHz / 16QAM



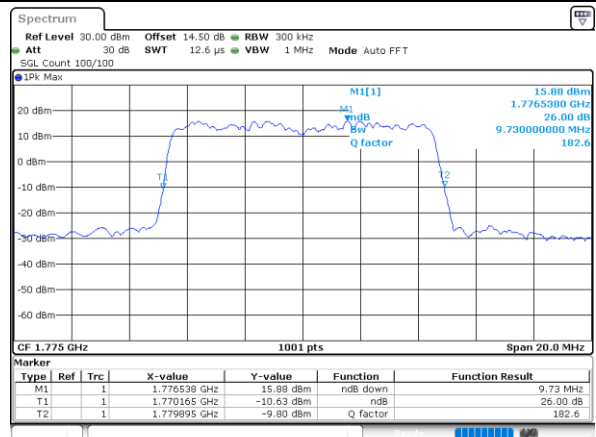
Date: 30,NOV,2020 22:19:42

Highest Channel / 10MHz / QPSK



Date: 30,NOV,2020 22:29:03

Highest Channel / 10MHz / 16QAM

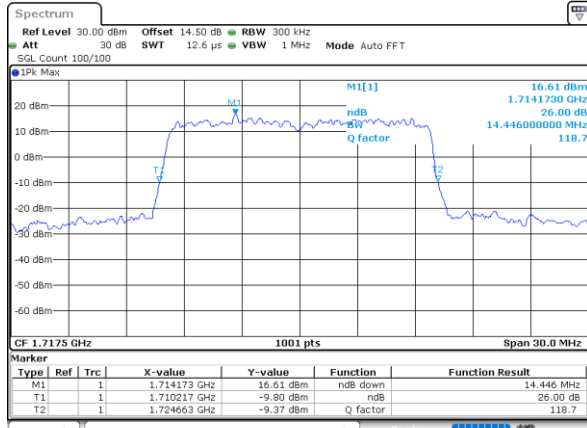


Date: 30,NOV,2020 22:31:36



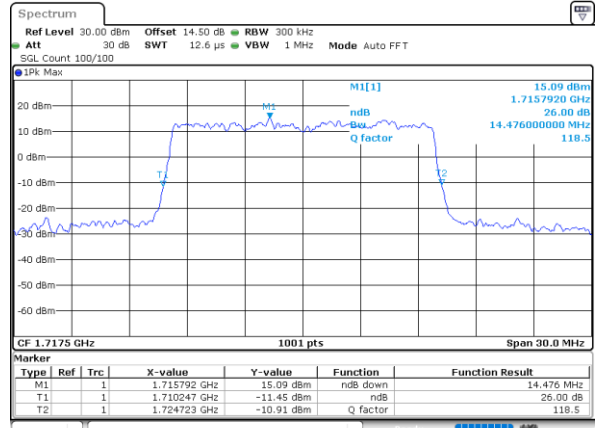
LTE Band 66

Lowest Channel / 15MHz / QPSK



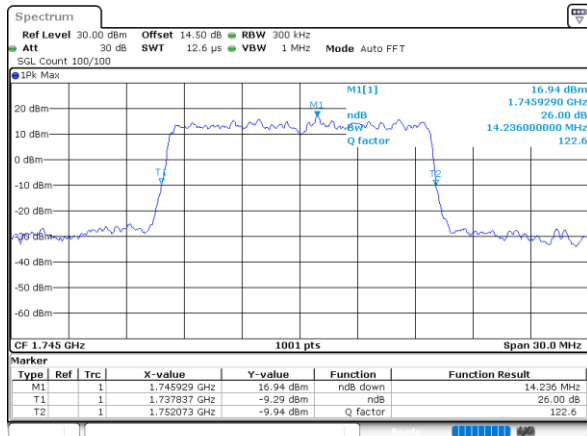
Date: 30,NOV,2020 21:31:03

Lowest Channel / 15MHz / 16QAM



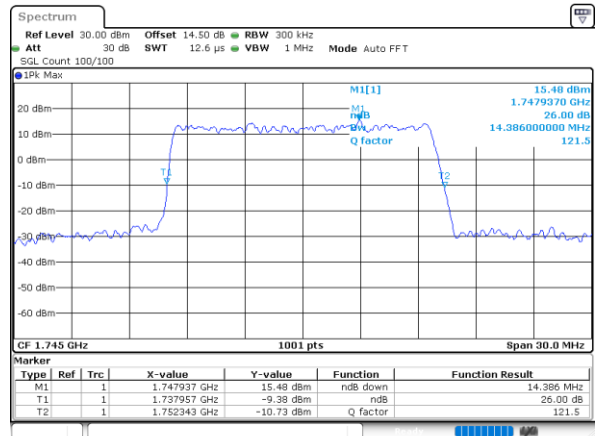
Date: 30,NOV,2020 21:31:40

Middle Channel / 15MHz / QPSK



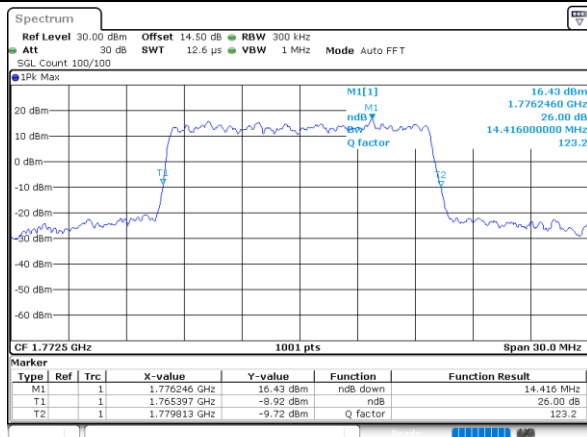
Date: 30,NOV,2020 21:39:52

Middle Channel / 15MHz / 16QAM



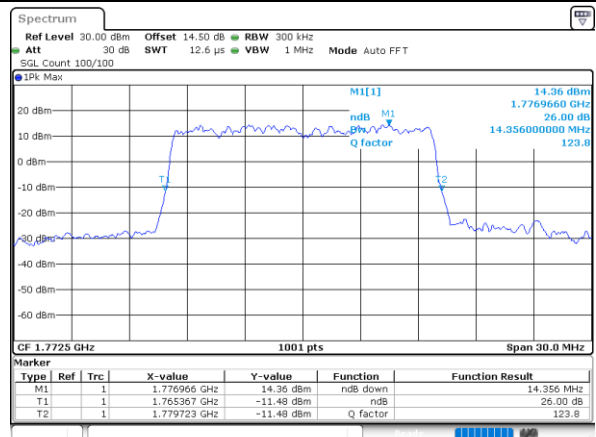
Date: 30,NOV,2020 21:44:40

Highest Channel / 15MHz / QPSK



Date: 30,NOV,2020 21:58:27

Highest Channel / 15MHz / 16QAM

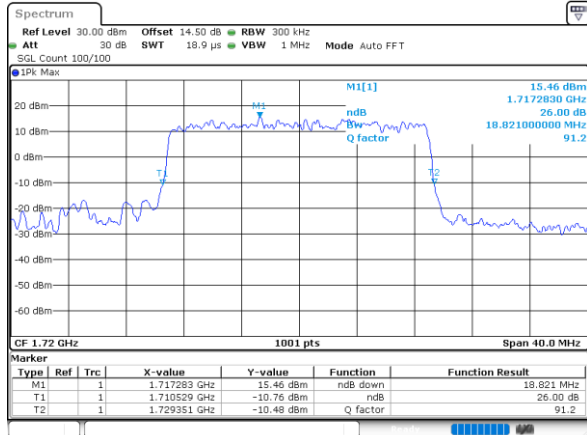


Date: 30,NOV,2020 21:59:28

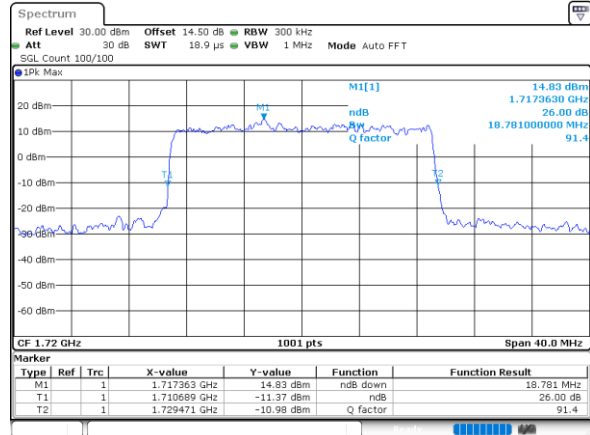


LTE Band 66

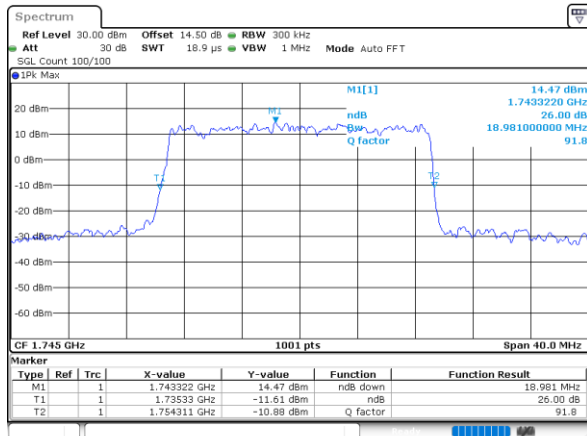
Lowest Channel / 20MHz / QPSK



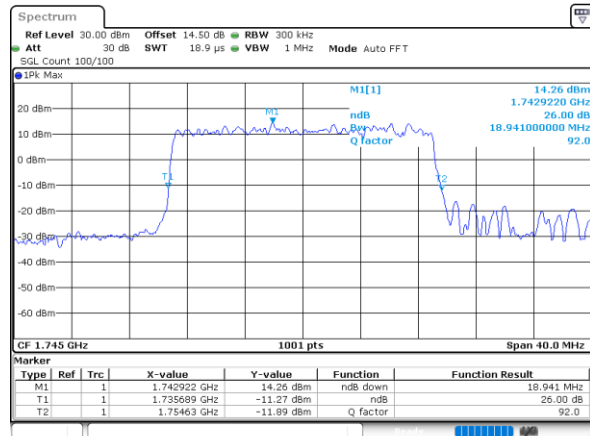
Lowest Channel / 20MHz / 16QAM



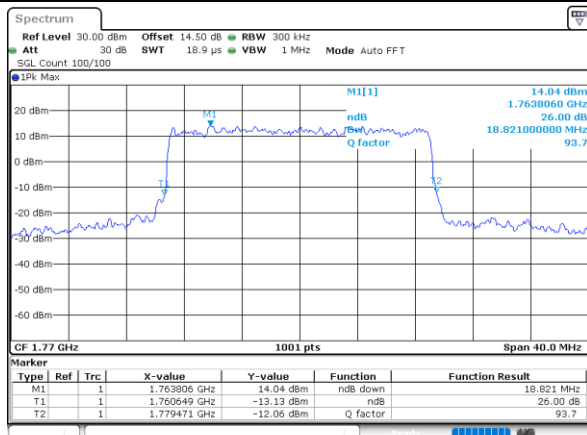
Middle Channel / 20MHz / QPSK



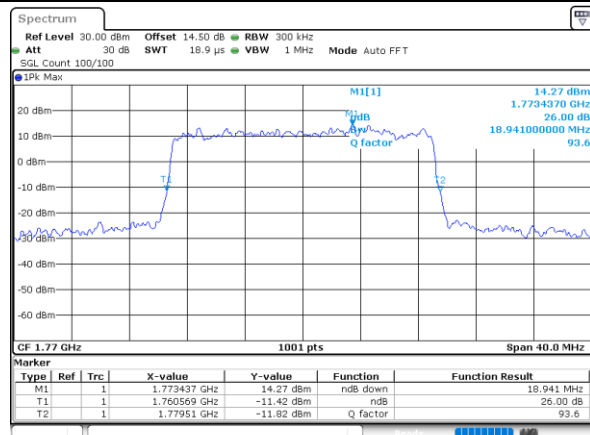
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



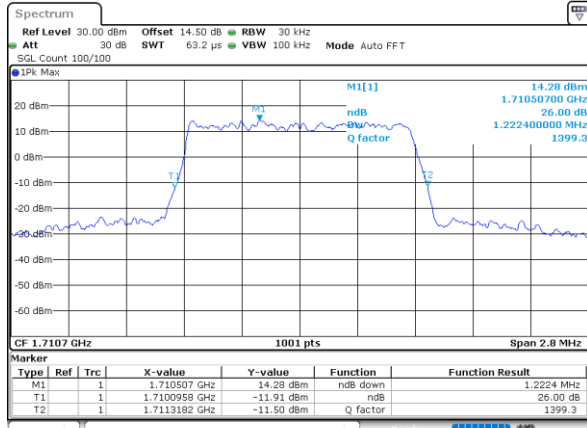
Highest Channel / 20MHz / 16QAM





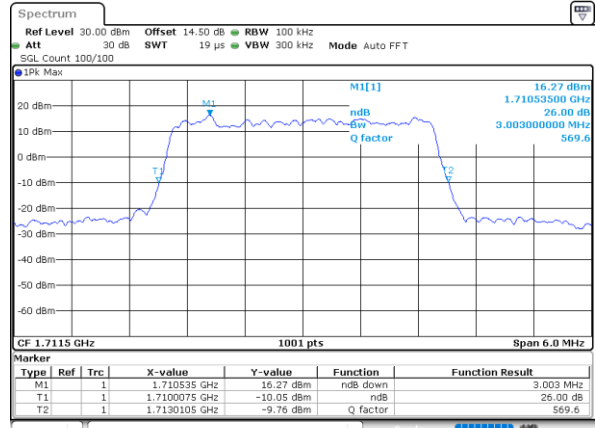
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



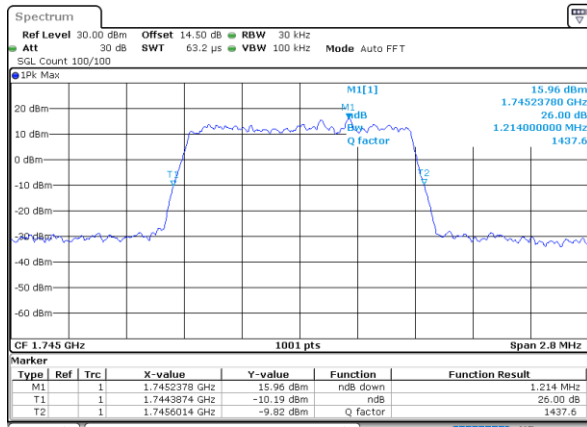
Date: 1.DEC.2020 03:01:28

Lowest Channel / 3MHz / 64QAM



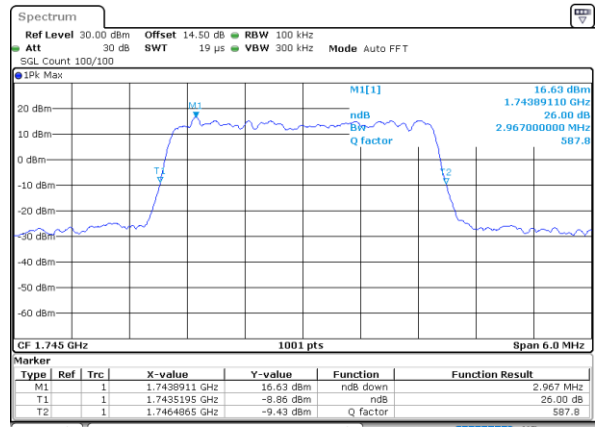
Date: 1.DEC.2020 01:30:06

Middle Channel / 20MHz / 64QAM



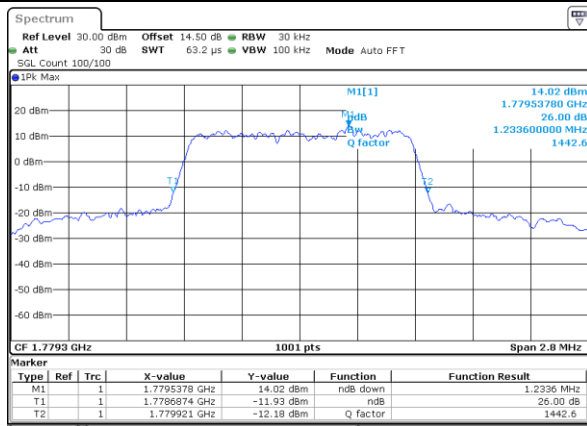
Date: 1.DEC.2020 03:46:48

Middle Channel / 3MHz / 64QAM



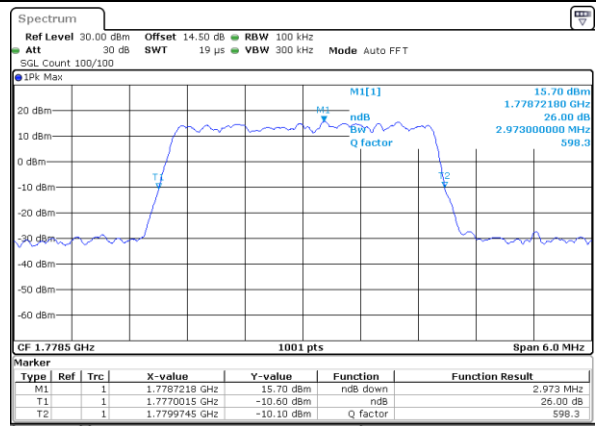
Date: 1.DEC.2020 02:10:57

Highest Channel / 20MHz / 64QAM



Date: 1.DEC.2020 04:09:23

Highest Channel / 3MHz / 64QAM

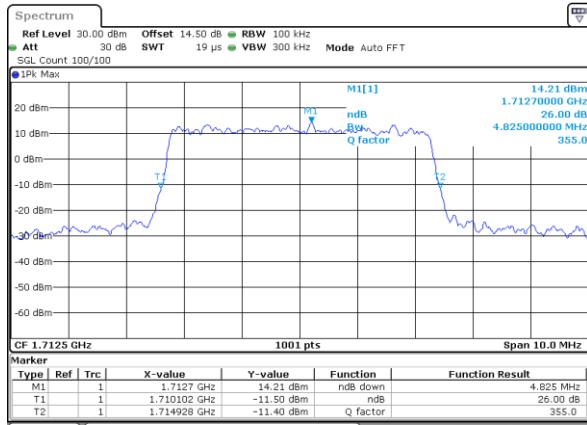


Date: 1.DEC.2020 02:31:24



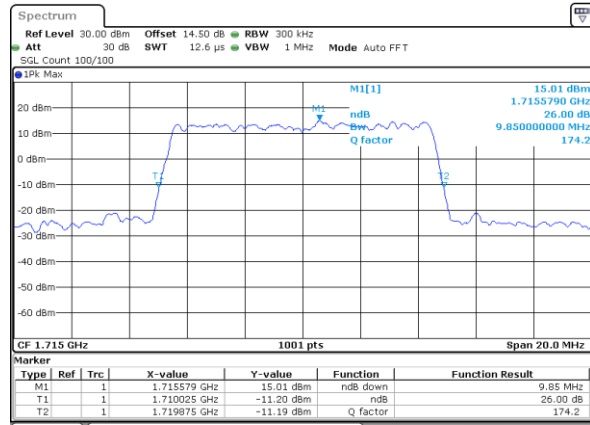
LTE Band 66

Lowest Channel / 5MHz / 64QAM



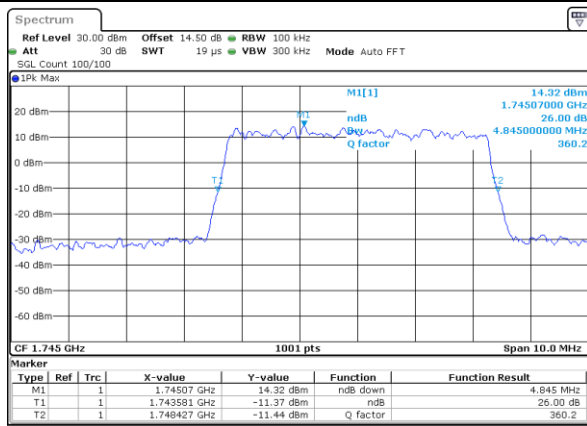
Date: 30,NOV,2020 23:02:52

Lowest Channel / 10MHz / 64QAM



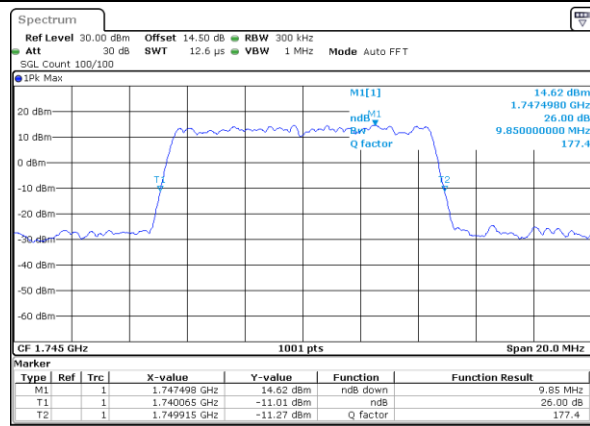
Date: 30,NOV,2020 22:13:10

Middle Channel / 5MHz / 64QAM



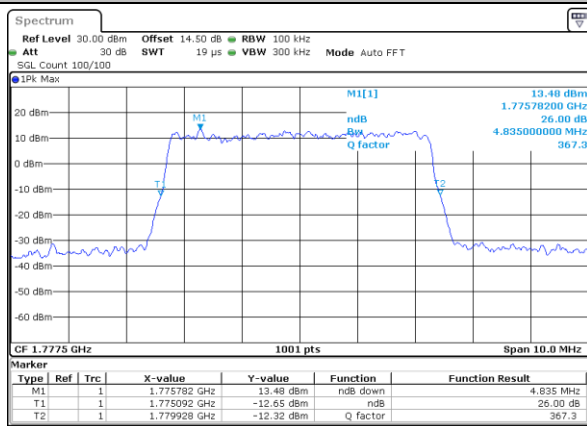
Date: 1,DEC,2020 00:02:09

Middle Channel / 10MHz / 64QAM



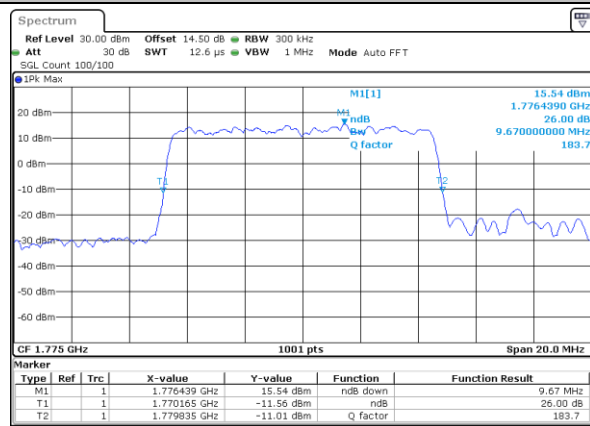
Date: 30,NOV,2020 22:20:38

Highest Channel / 5MHz / 64QAM



Date: 1,DEC,2020 00:30:44

Highest Channel / 10MHz / 64QAM

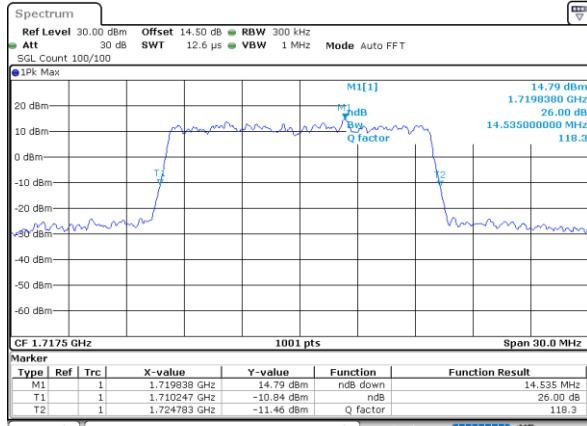


Date: 30,NOV,2020 22:33:27

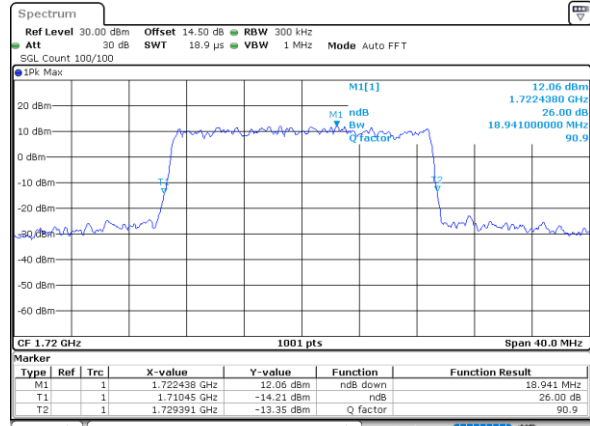


LTE Band 66

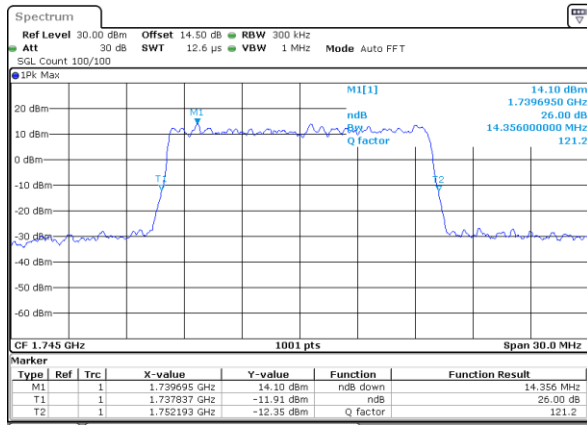
Lowest Channel / 15MHz / 64QAM



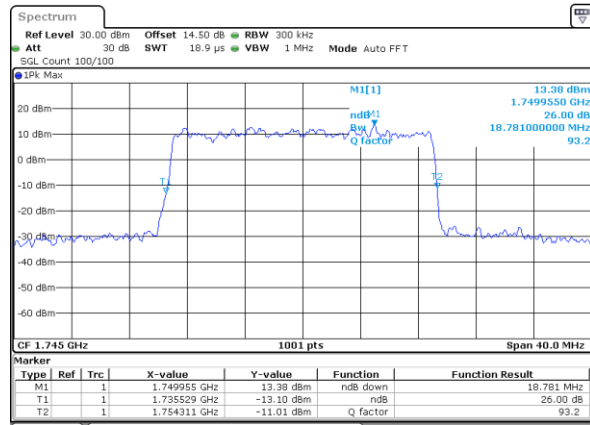
Lowest Channel / 20MHz / 64QAM



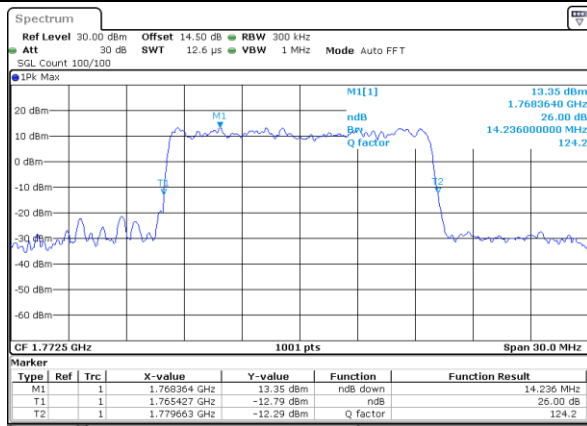
Middle Channel / 15MHz / 64QAM



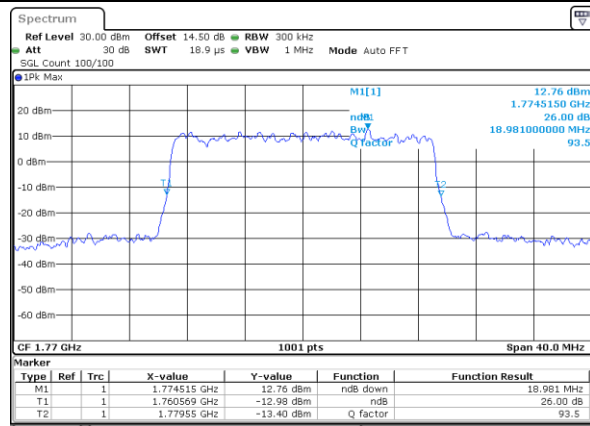
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



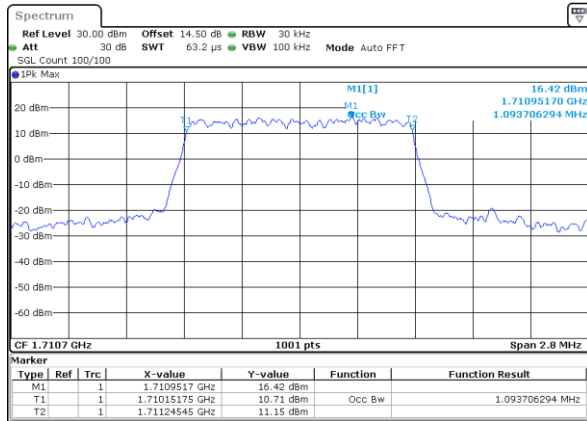
**Occupied Bandwidth**

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	2.70	2.72	4.49	4.47	9.01	9.03	13.46	13.43	17.86	17.90
Middle CH	1.08	1.10	2.71	2.72	4.50	4.48	8.95	8.95	13.40	13.46	17.90	17.86
Highest CH	1.10	1.09	2.73	2.72	4.47	4.51	9.07	9.01	13.43	13.46	17.86	17.90
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	-	2.72	-	4.49	-	9.01	-	13.43	-	17.94	-
Middle CH	1.09	-	2.72	-	4.51	-	8.99	-	13.40	-	17.82	-
Highest CH	1.09	-	2.72	-	4.51	-	8.99	-	13.46	-	17.86	-

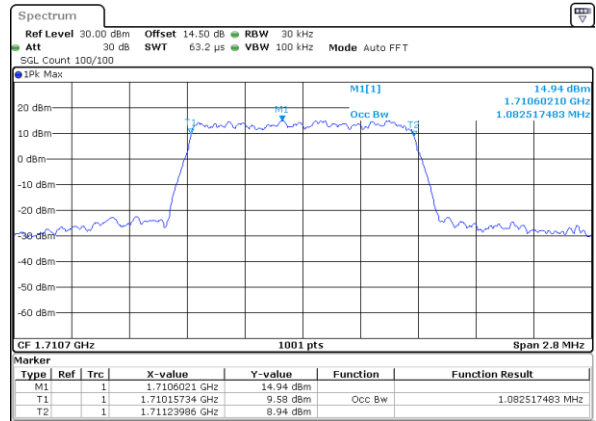


LTE Band 66

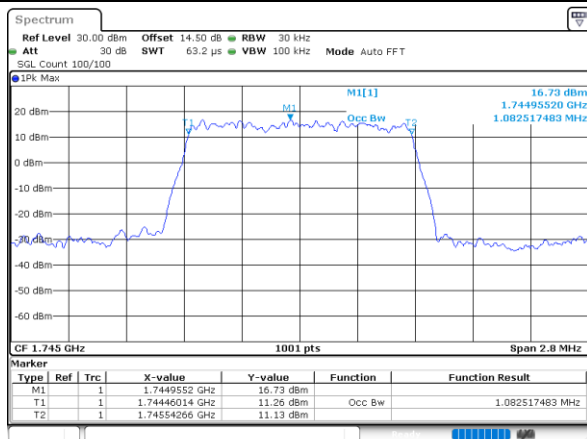
Lowest Channel / 1.4MHz / QPSK



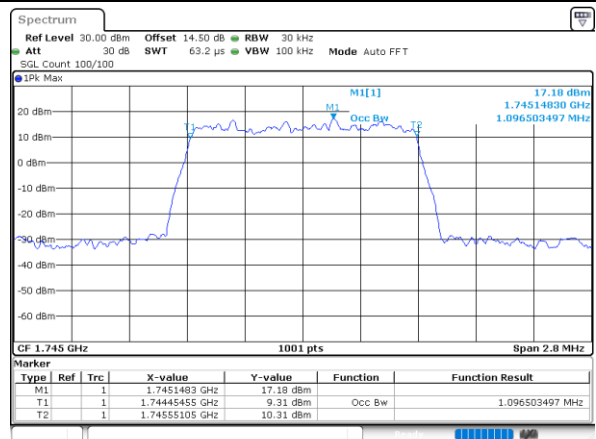
Lowest Channel / 1.4MHz / 16QAM



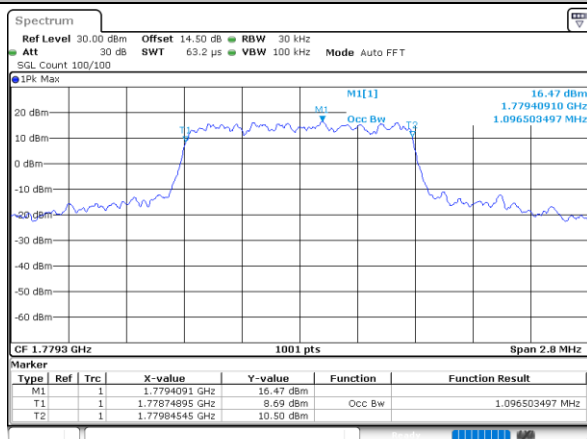
Middle Channel / 1.4MHz / QPSK



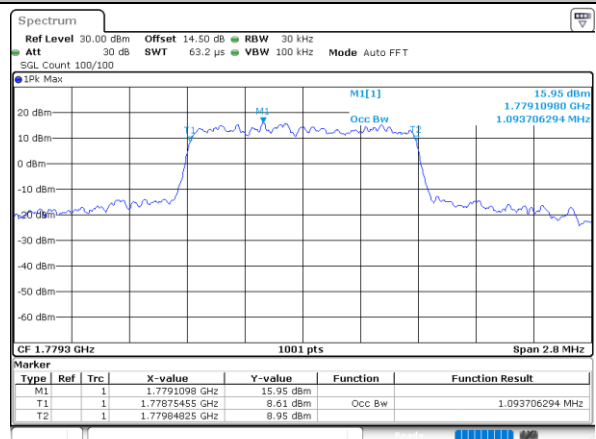
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



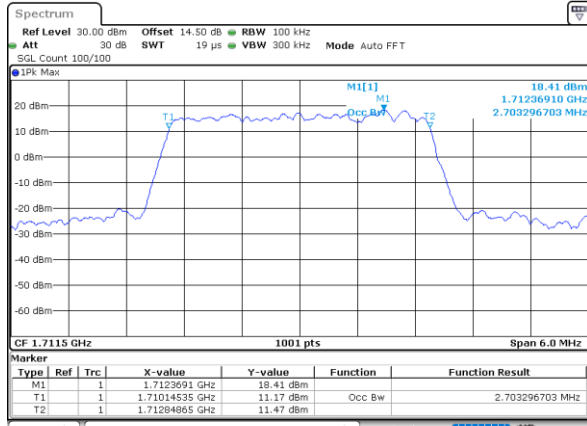
Highest Channel / 1.4MHz / 16QAM



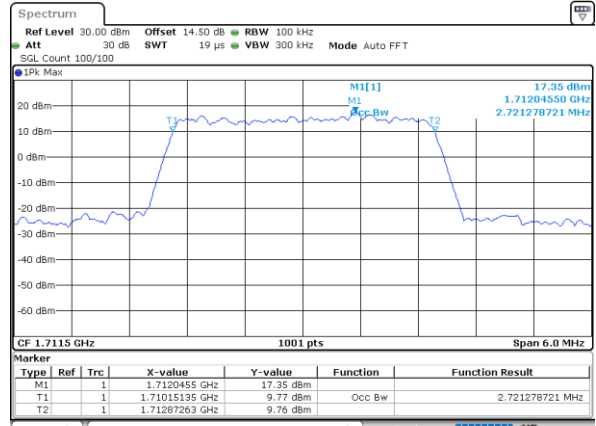


LTE Band 66

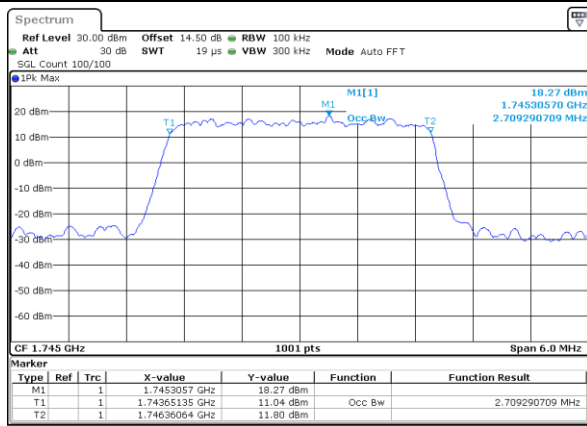
Lowest Channel / 3MHz / QPSK



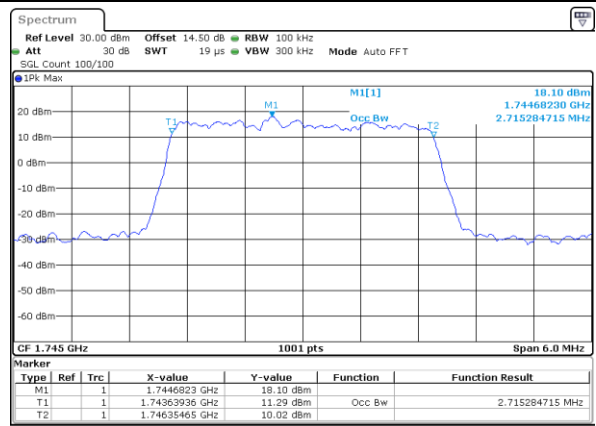
Lowest Channel / 3MHz / 16QAM



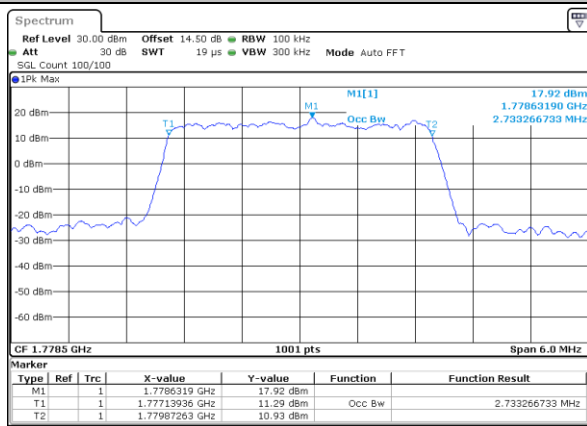
Middle Channel / 3MHz / QPSK



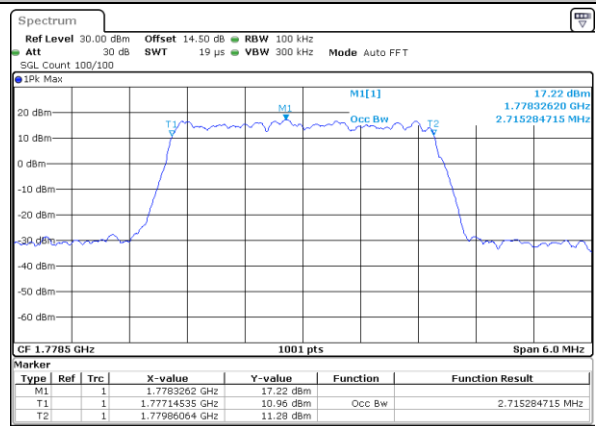
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



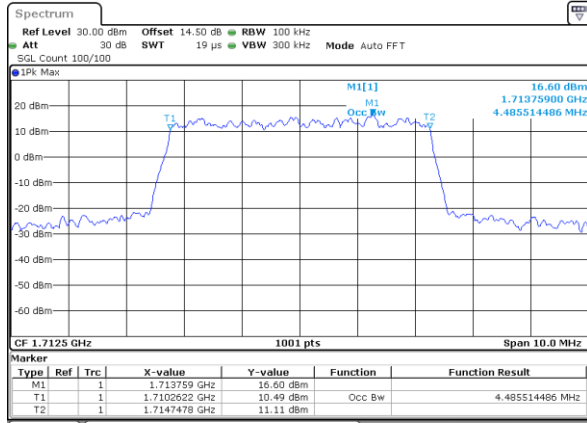
Highest Channel / 3MHz / 16QAM



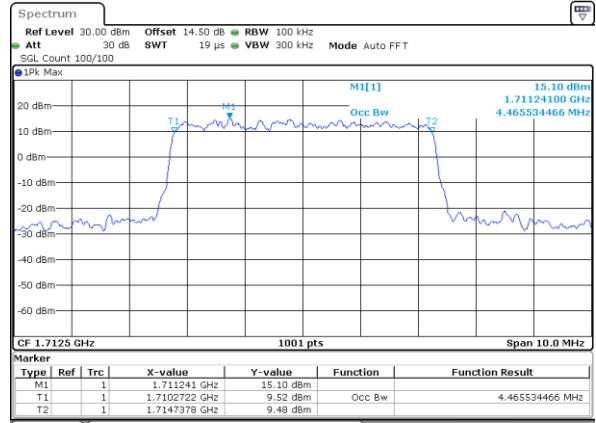


LTE Band 66

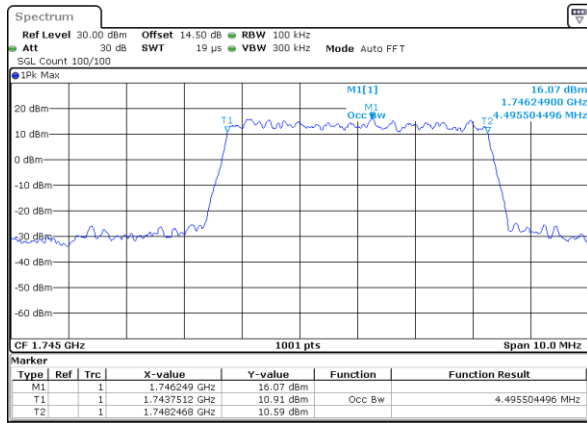
Lowest Channel / 5MHz / QPSK



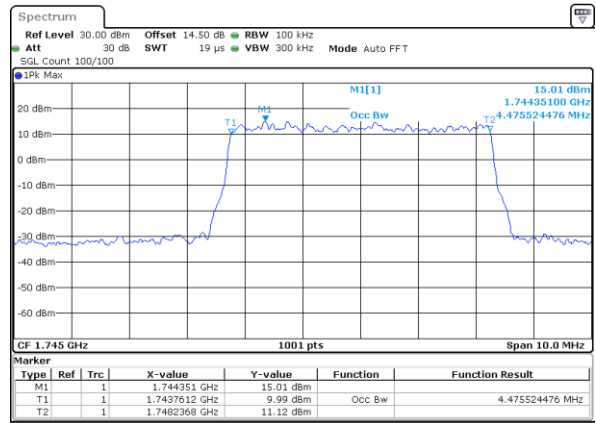
Lowest Channel / 5MHz / 16QAM



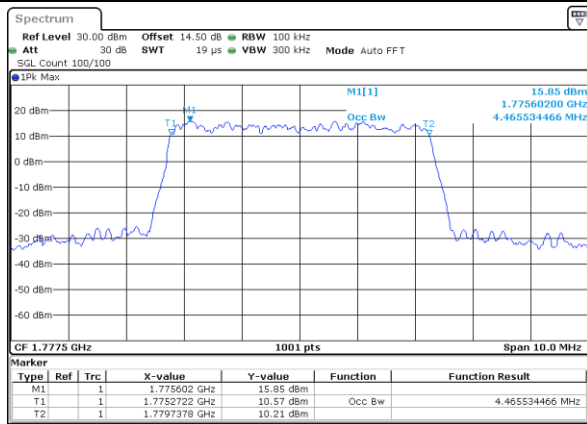
Middle Channel / 5MHz / QPSK



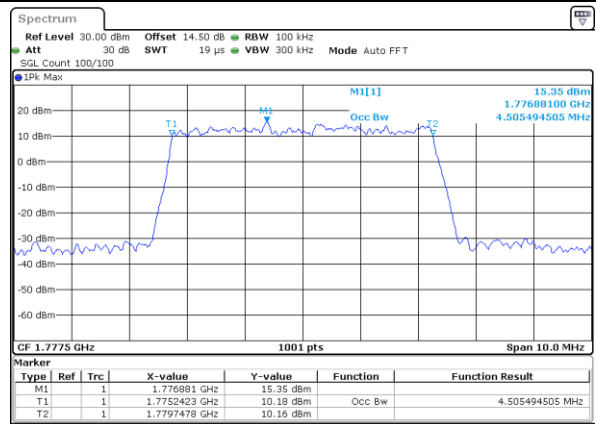
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



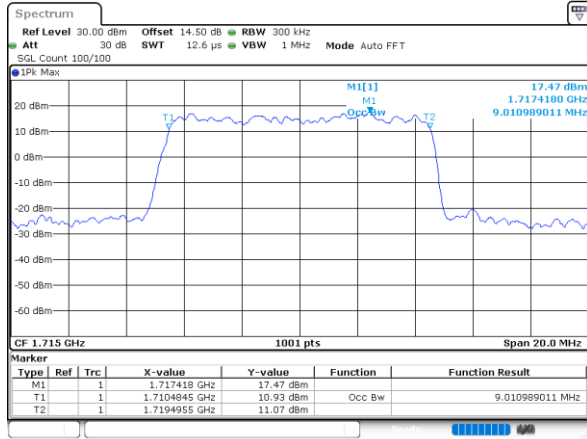
Highest Channel / 5MHz / 16QAM



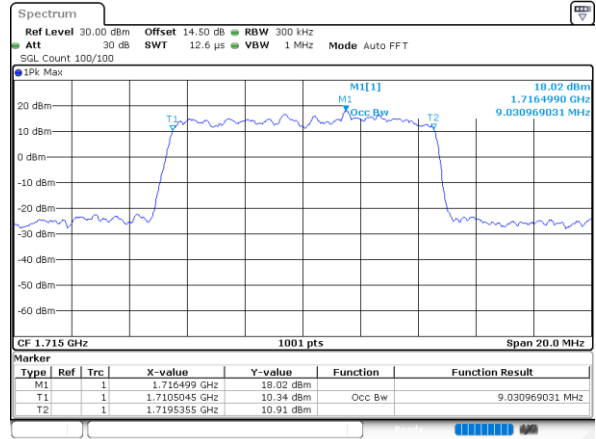


LTE Band 66

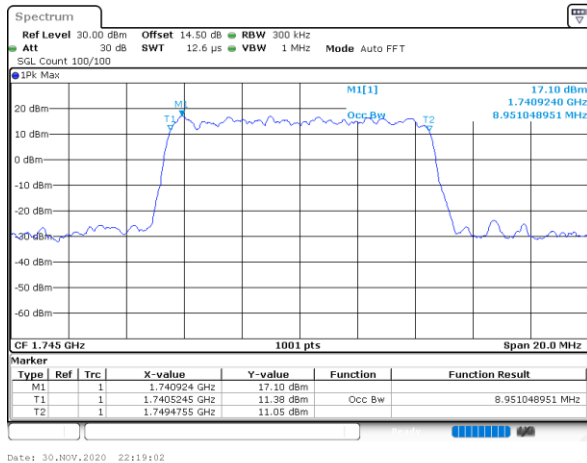
Lowest Channel / 10MHz / QPSK



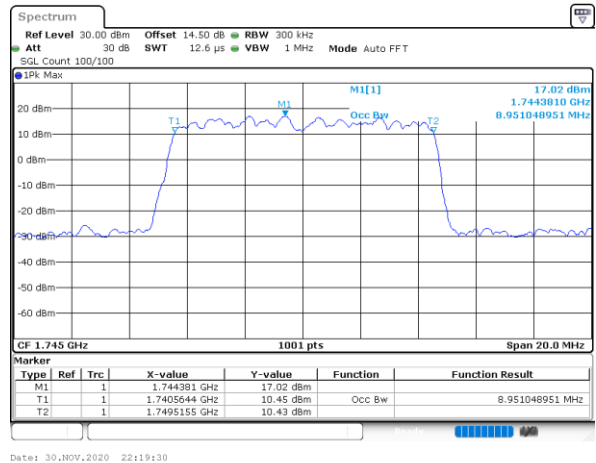
Lowest Channel / 10MHz / 16QAM



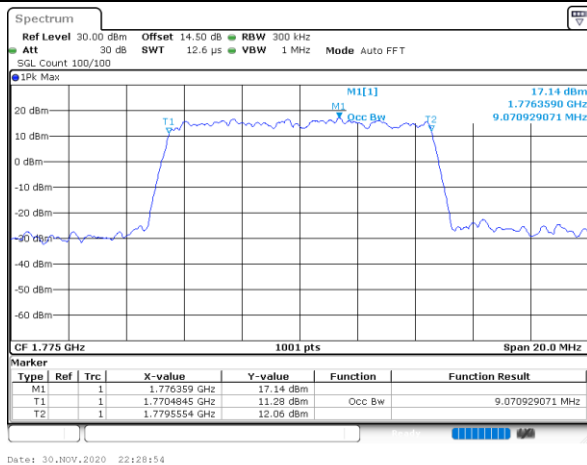
Middle Channel / 10MHz / QPSK



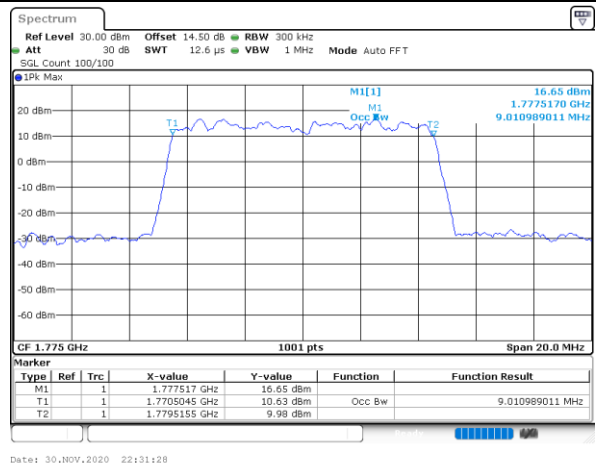
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



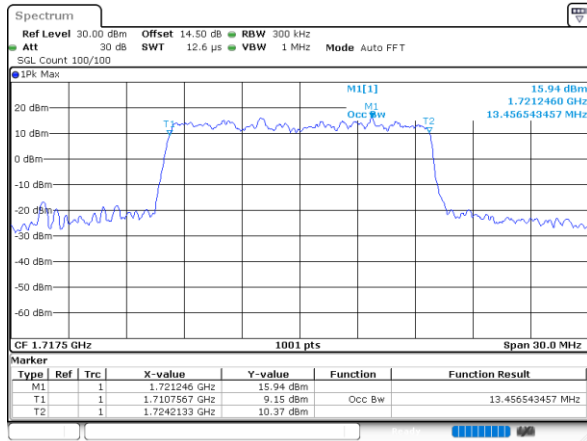
Highest Channel / 10MHz / 16QAM



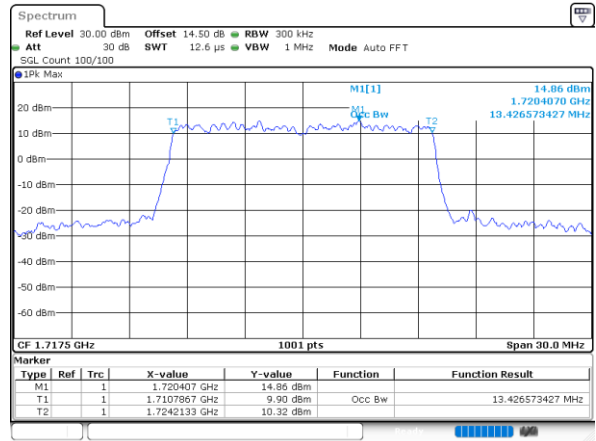


LTE Band 66

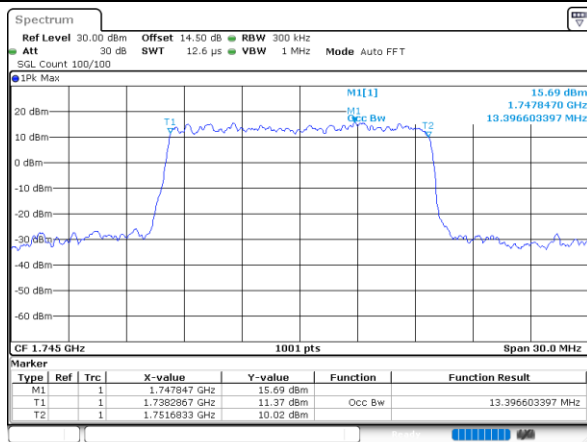
Lowest Channel / 15MHz / QPSK



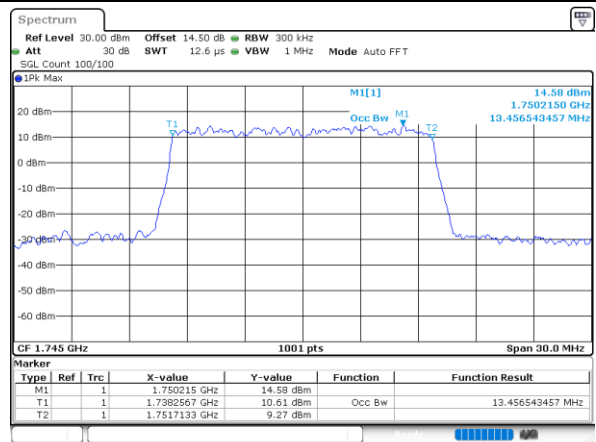
Lowest Channel / 15MHz / 16QAM



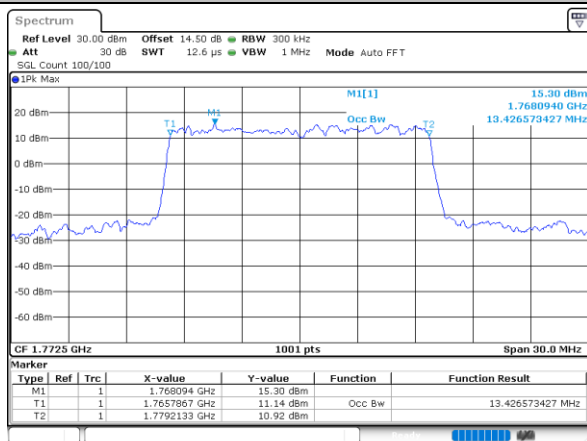
Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM

