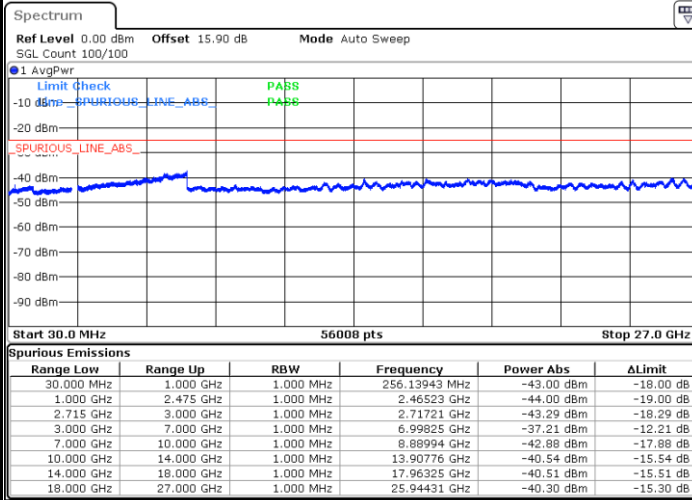




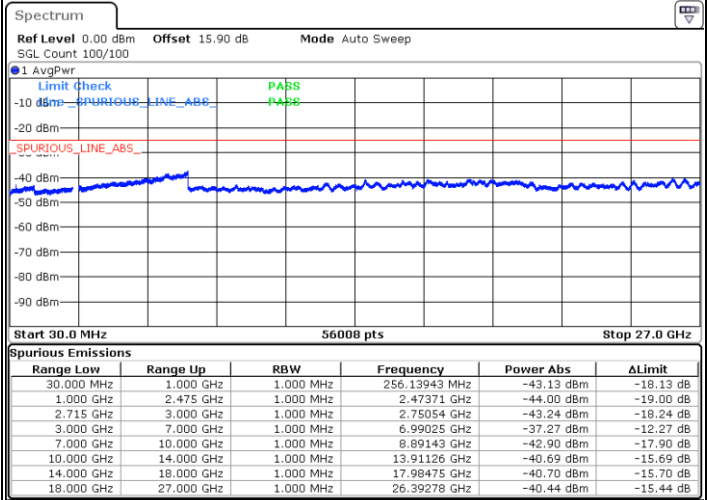
LTE Band 41 / 20MHz

Middle Channel / QPSK



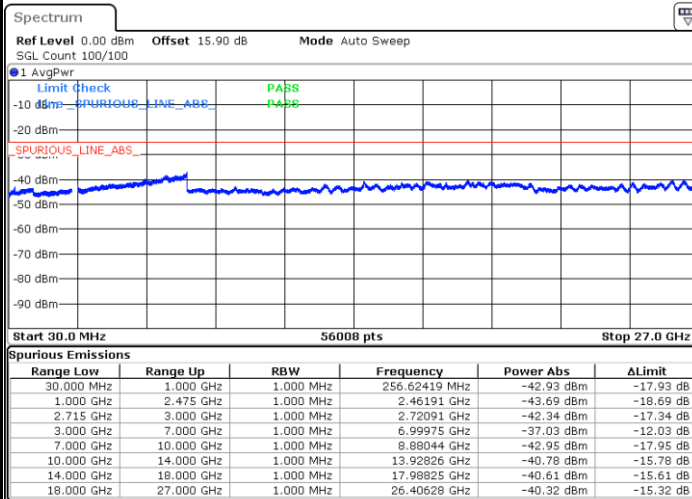
Date: 2.APR.2020 17:42:31

Middle Channel / 16QAM



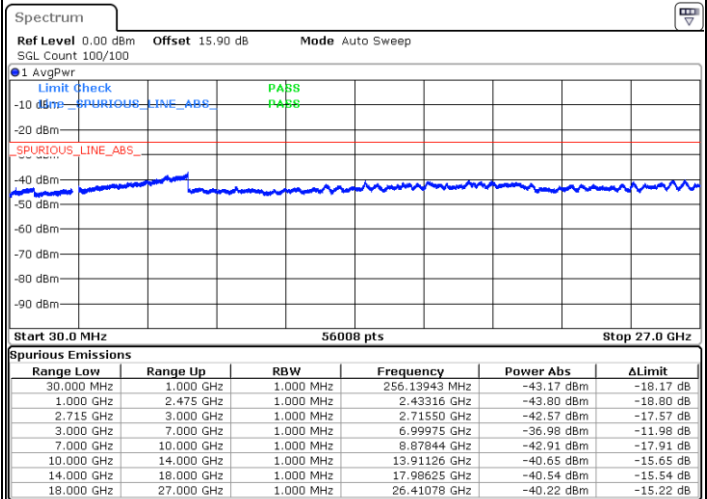
Date: 2.APR.2020 17:43:32

Highest Channel / QPSK



Date: 2.APR.2020 17:44:33

Highest Channel / 16QAM



Date: 2.APR.2020 17:45:34

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	0.0029	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

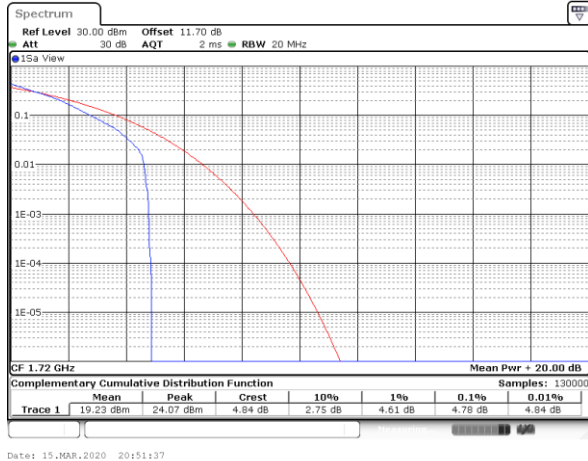
**LTE Band 66****Peak-to-Average Ratio**

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.78	4.96	5.77	5.91	PASS
Middle CH	4.99	5.16	5.48	6.17	
Highest CH	4.41	4.75	5.68	5.57	

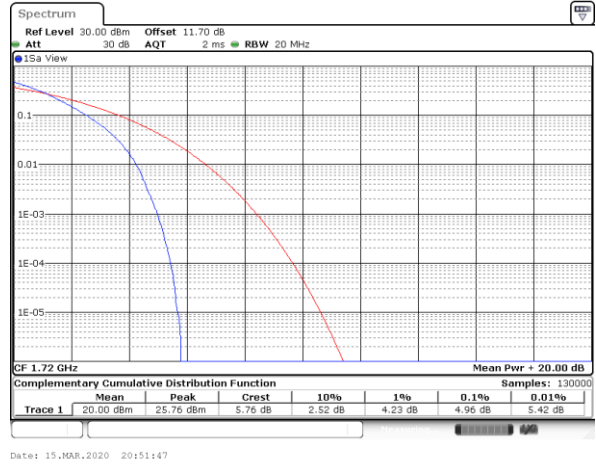


LTE Band 66 / 20MHz / QPSK

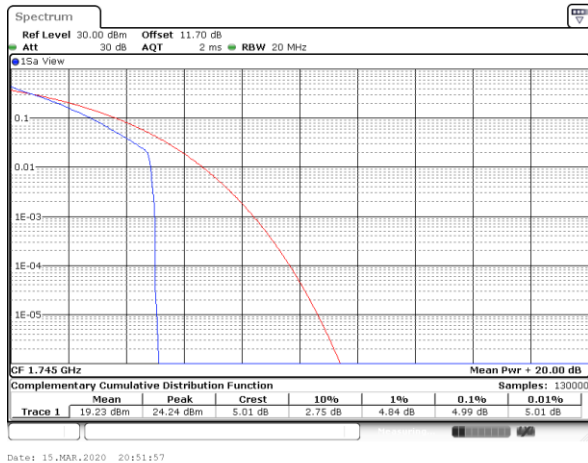
Lowest Channel / 1RB



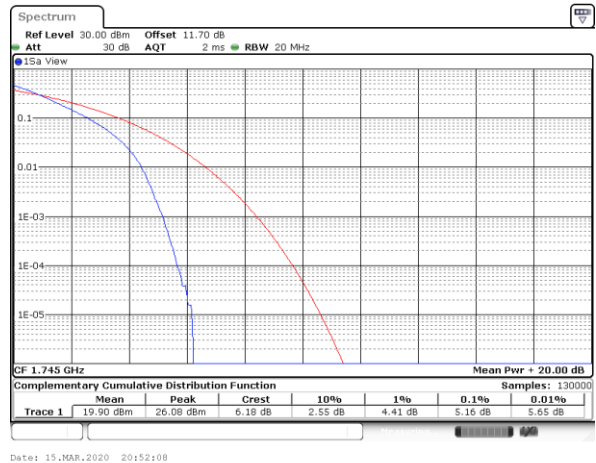
Lowest Channel / Full RB



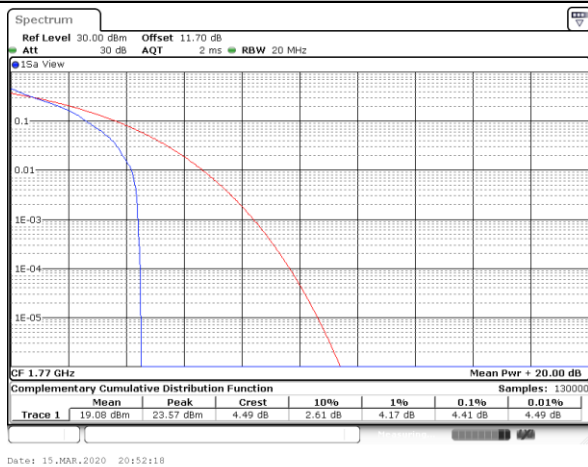
Middle Channel / 1RB



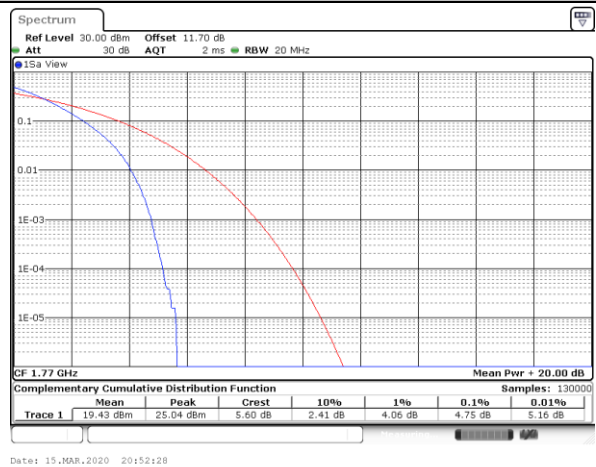
Middle Channel / Full RB



Highest Channel / 1RB

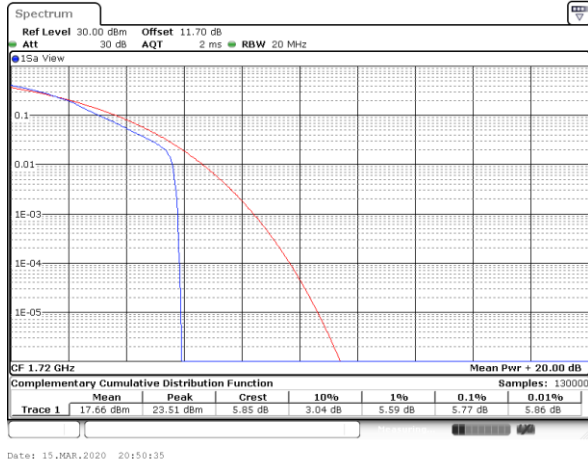


Highest Channel / Full RB

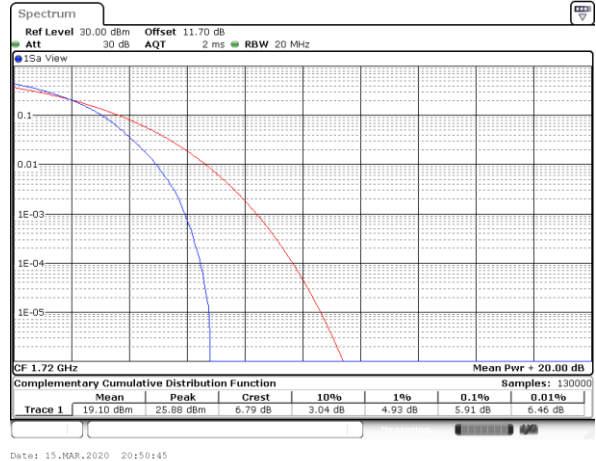


LTE Band 66 / 20MHz / 16QAM

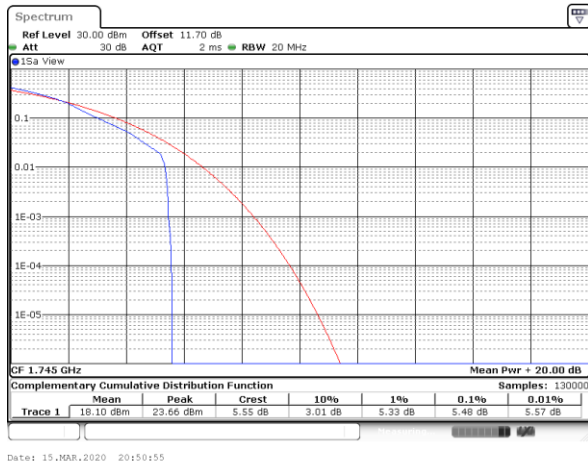
Lowest Channel / 1RB



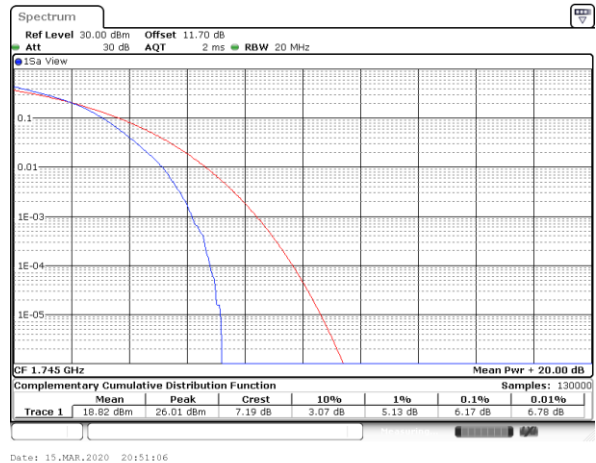
Lowest Channel / Full RB



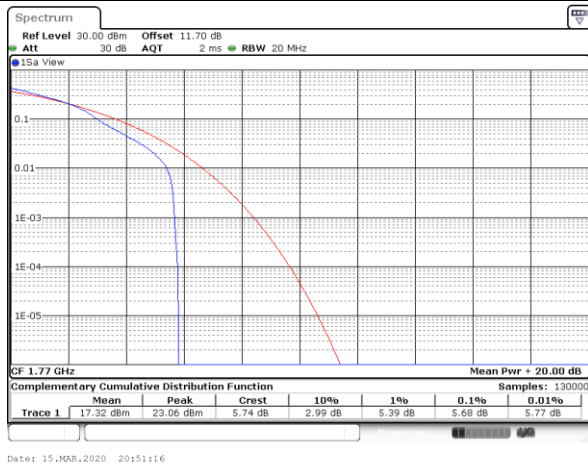
Middle Channel / 1RB



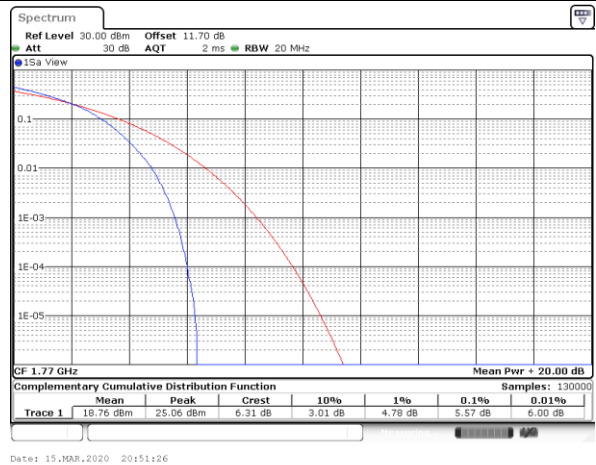
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





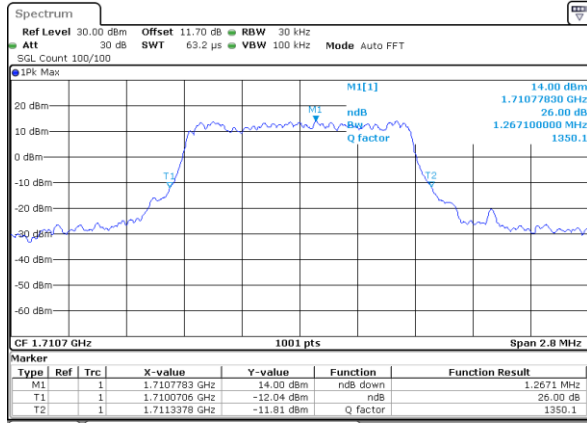
26dB Bandwidth

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	1.26	3.00	3.00	4.99	4.90	9.81	9.77	14.57	14.45	18.74	18.62
Middle CH	1.29	1.29	3.00	3.02	4.94	4.94	9.75	9.95	14.30	14.39	19.18	18.78
Highest CH	1.30	1.33	3.01	3.05	5.01	4.95	9.75	9.85	14.21	14.15	18.66	18.94



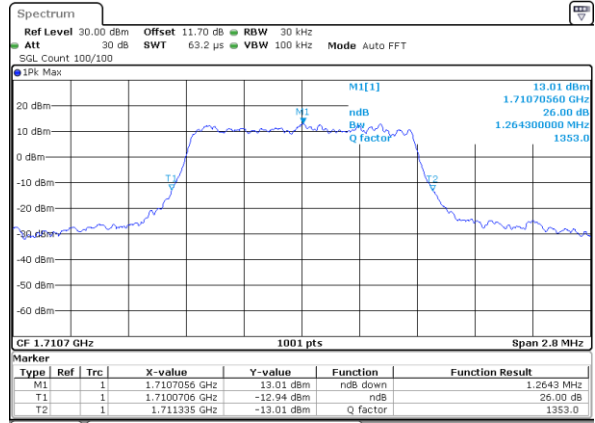
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



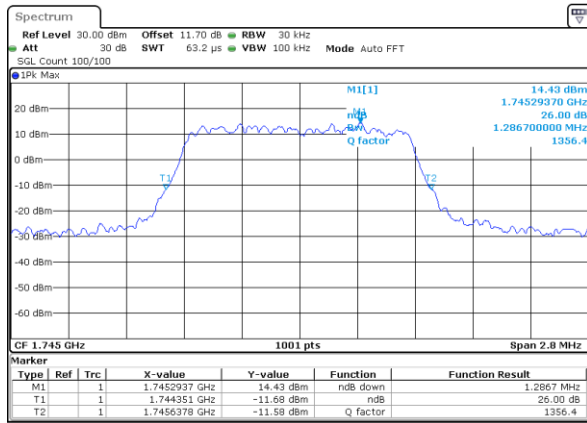
Date: 15.MAR.2020 17:13:41

Lowest Channel / 1.4MHz / 16QAM



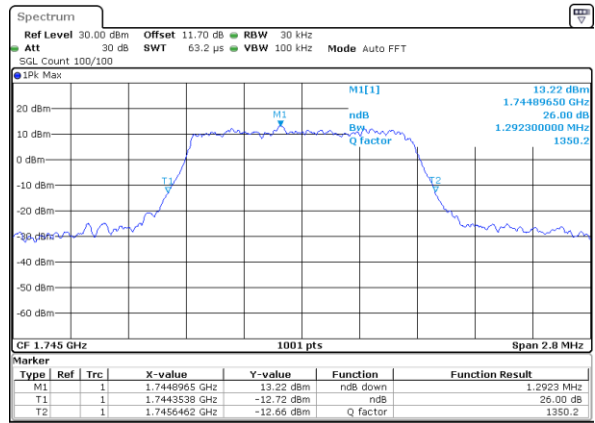
Date: 15.MAR.2020 17:13:53

Middle Channel / 1.4MHz / QPSK



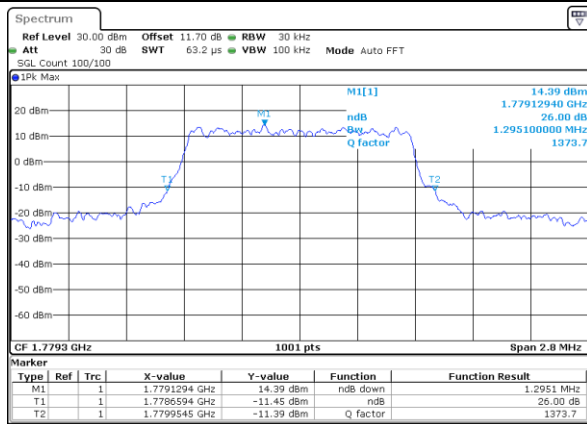
Date: 15.MAR.2020 17:20:28

Middle Channel / 1.4MHz / 16QAM



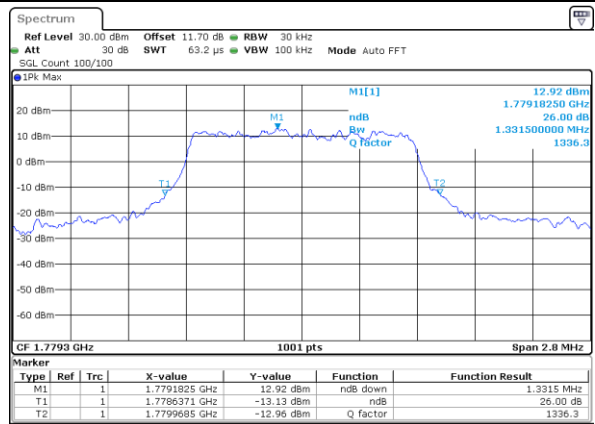
Date: 15.MAR.2020 17:20:40

Highest Channel / 1.4MHz / QPSK



Date: 15.MAR.2020 17:22:57

Highest Channel / 1.4MHz / 16QAM

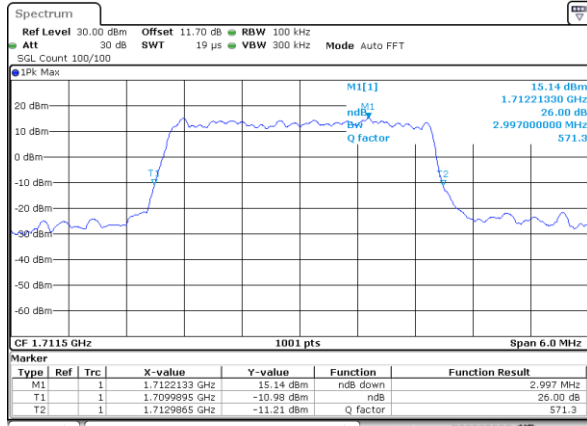


Date: 15.MAR.2020 17:23:10



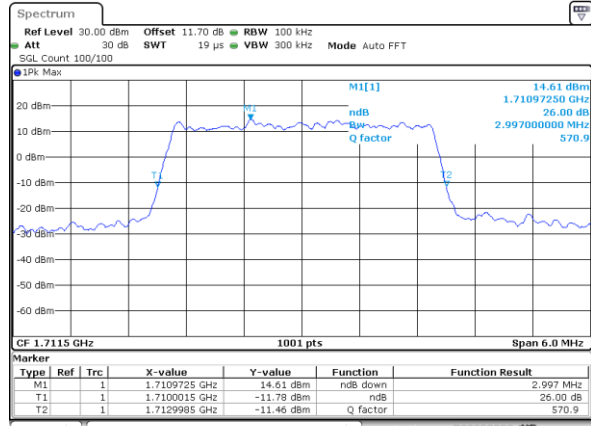
LTE Band 66

Lowest Channel / 3MHz / QPSK



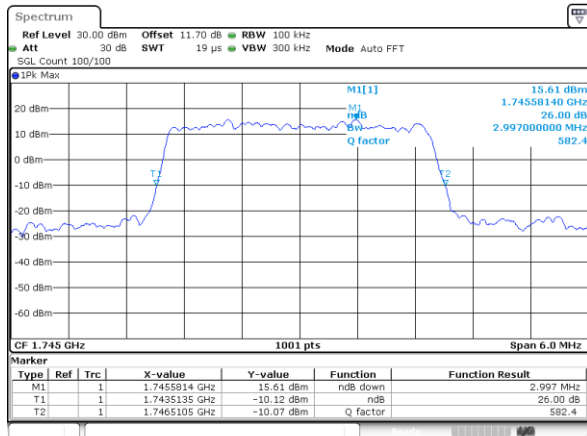
Date: 15.MAR.2020 17:37:39

Lowest Channel / 3MHz / 16QAM



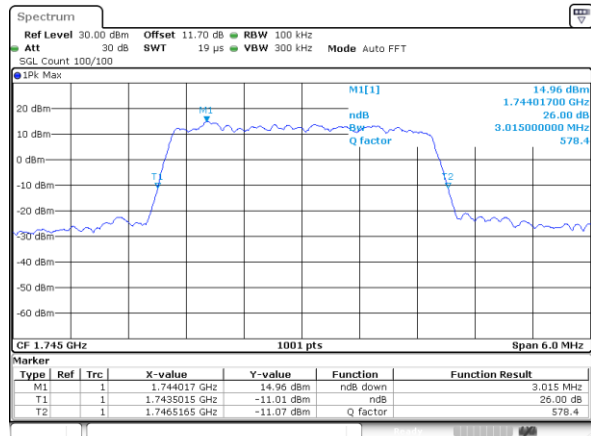
Date: 15.MAR.2020 17:37:51

Middle Channel / 3MHz / QPSK



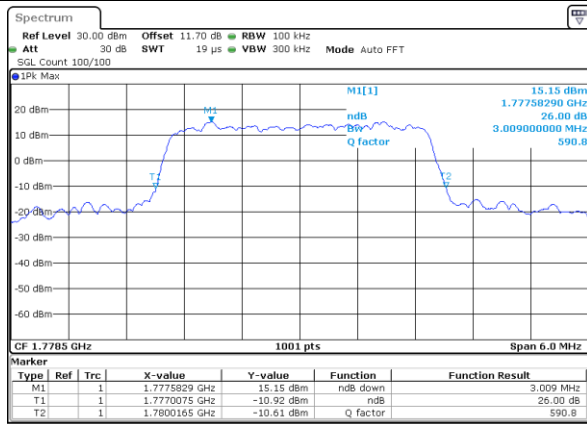
Date: 15.MAR.2020 17:44:09

Middle Channel / 3MHz / 16QAM



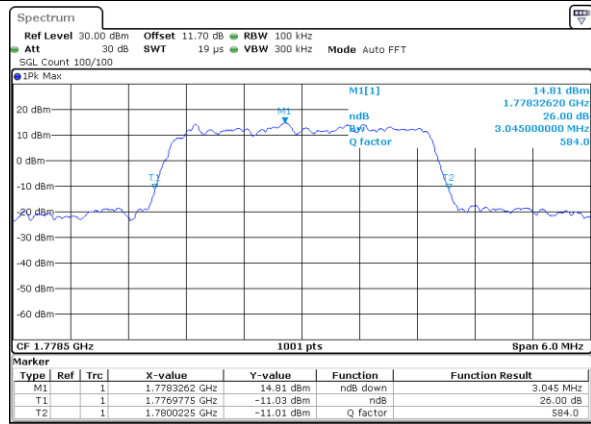
Date: 15.MAR.2020 17:44:21

Highest Channel / 3MHz / QPSK



Date: 15.MAR.2020 17:46:39

Highest Channel / 3MHz / 16QAM

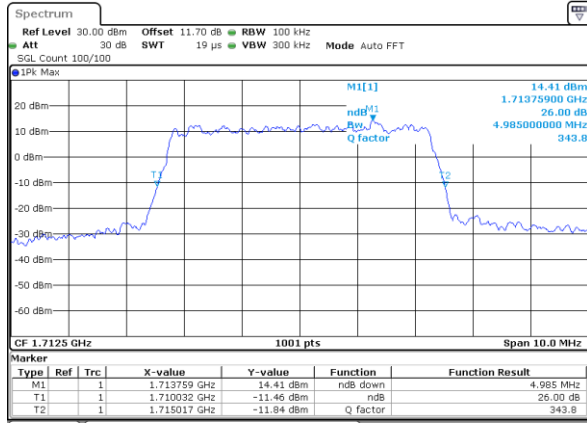


Date: 15.MAR.2020 17:46:51



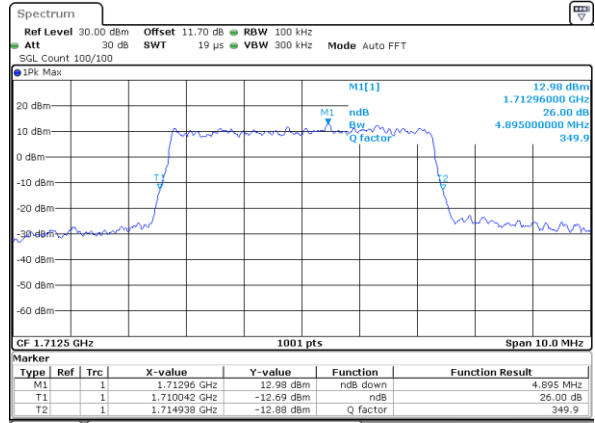
LTE Band 66

Lowest Channel / 5MHz / QPSK



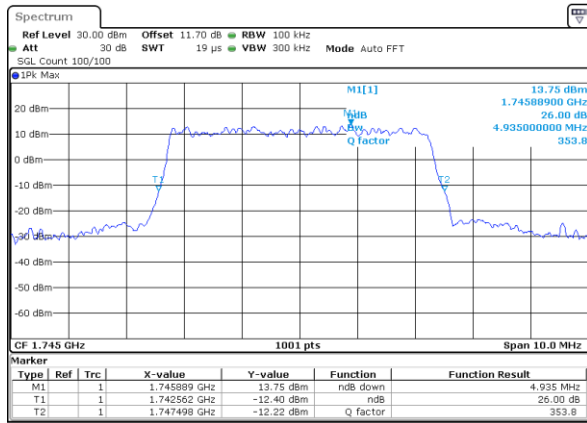
Date: 15, MAR, 2020 18:08:35

Lowest Channel / 5MHz / 16QAM



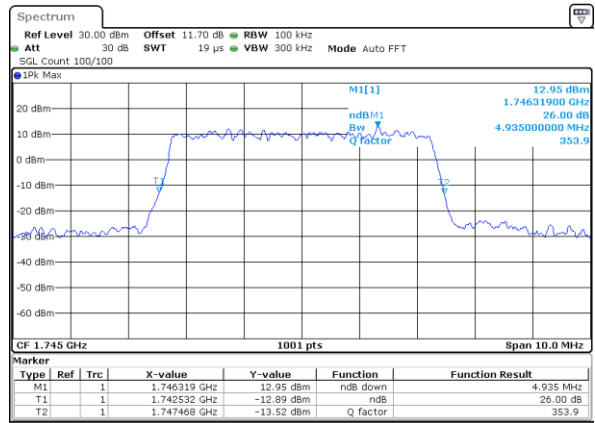
Date: 15, MAR, 2020 18:08:47

Middle Channel / 5MHz / QPSK



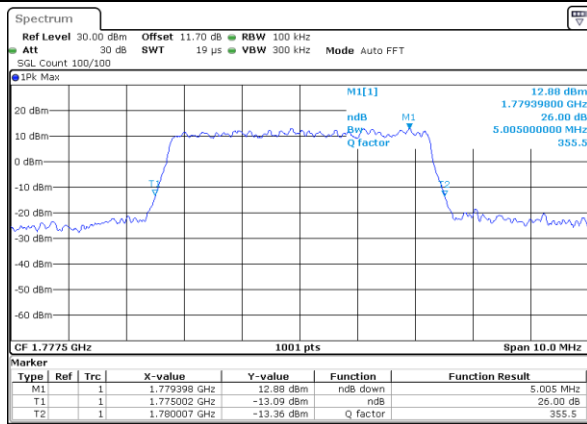
Date: 15, MAR, 2020 18:15:03

Middle Channel / 5MHz / 16QAM



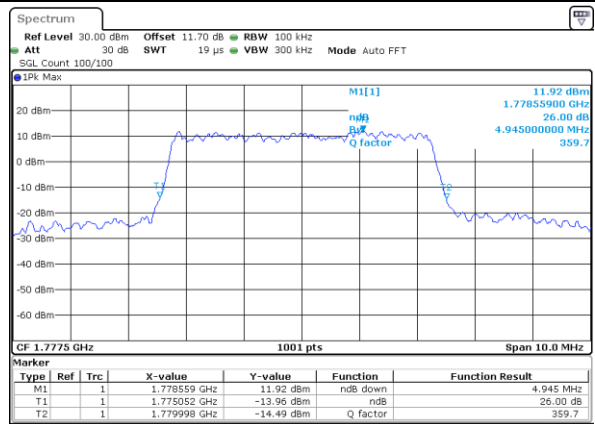
Date: 15, MAR, 2020 18:15:15

Highest Channel / 5MHz / QPSK



Date: 15, MAR, 2020 18:17:33

Highest Channel / 5MHz / 16QAM

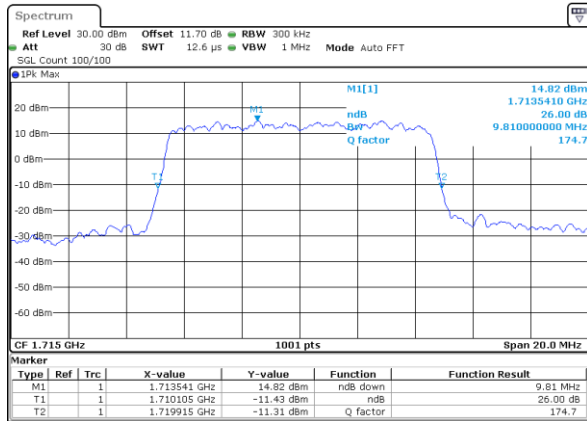


Date: 15, MAR, 2020 18:17:45



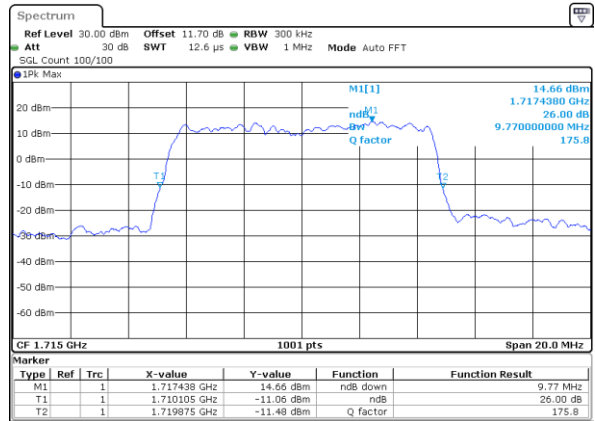
LTE Band 66

Lowest Channel / 10MHz / QPSK



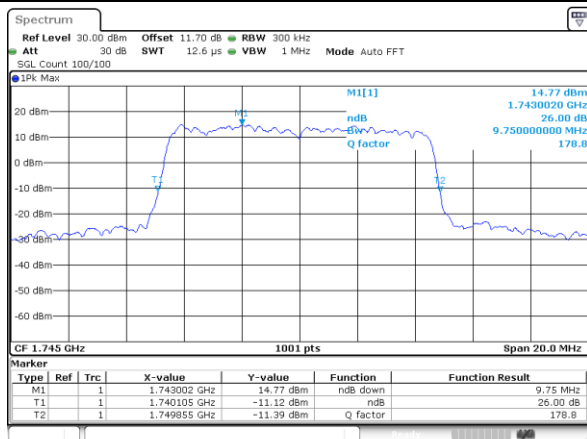
Date: 15.MAR.2020 18:24:02

Lowest Channel / 10MHz / 16QAM



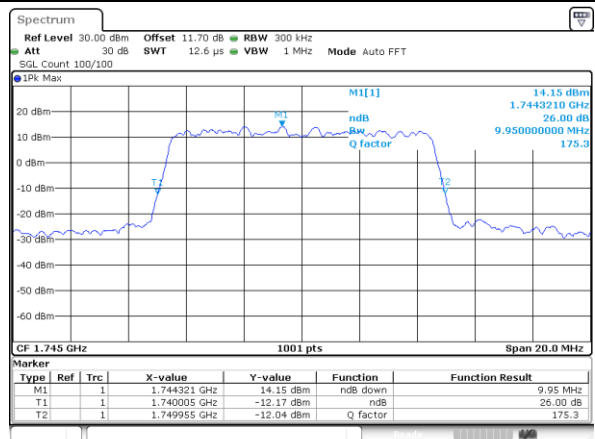
Date: 15.MAR.2020 18:24:14

Middle Channel / 10MHz / QPSK



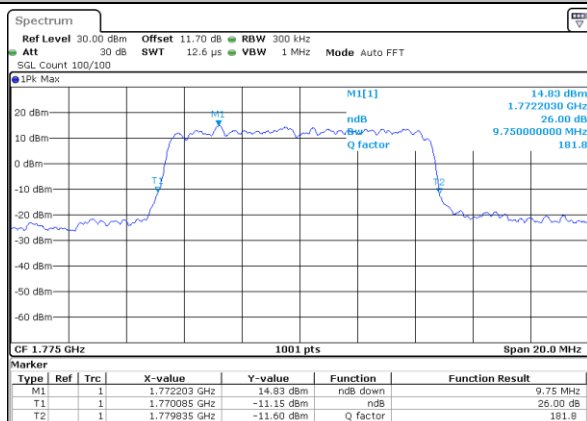
Date: 15.MAR.2020 18:30:31

Middle Channel / 10MHz / 16QAM



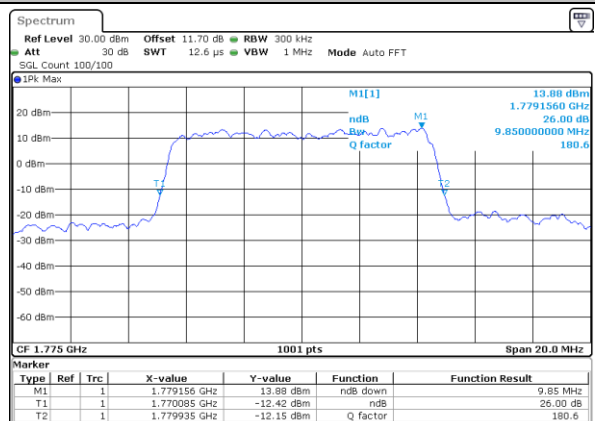
Date: 15.MAR.2020 18:30:43

Highest Channel / 10MHz / QPSK



Date: 15.MAR.2020 18:33:01

Highest Channel / 10MHz / 16QAM

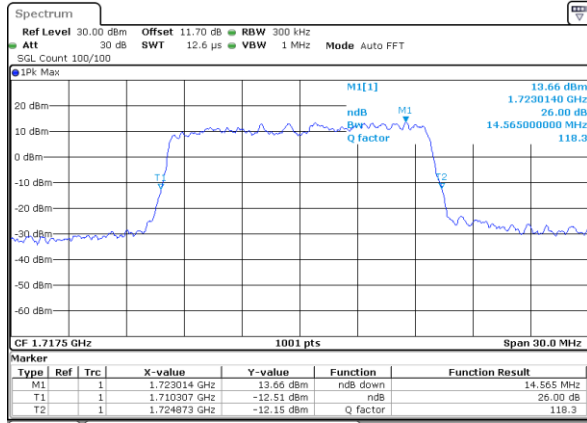


Date: 15.MAR.2020 18:33:13



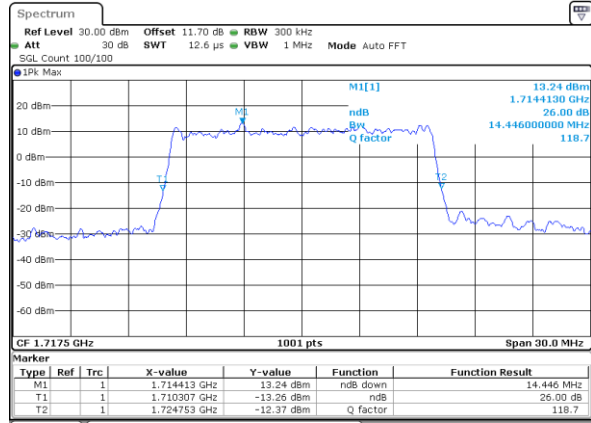
LTE Band 66

Lowest Channel / 15MHz / QPSK



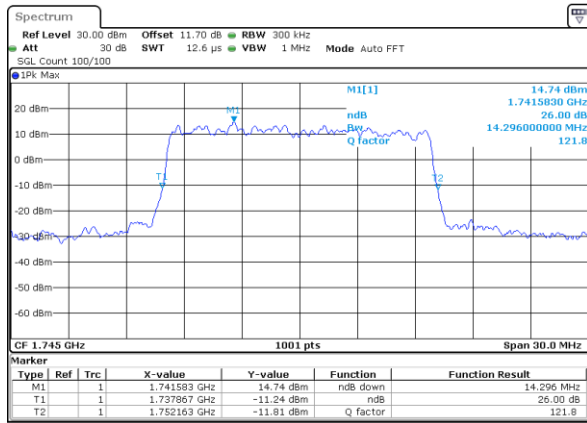
Date: 15.MAR.2020 18:54:57

Lowest Channel / 15MHz / 16QAM



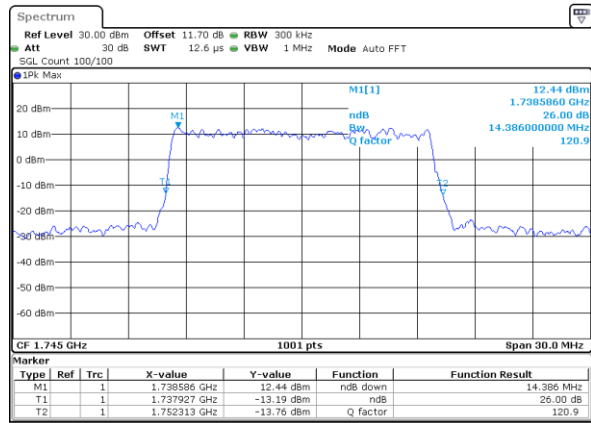
Date: 15.MAR.2020 18:55:09

Middle Channel / 15MHz / QPSK



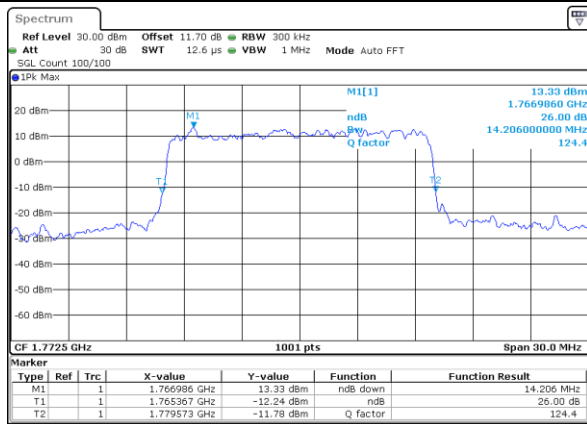
Date: 15.MAR.2020 19:01:25

Middle Channel / 15MHz / 16QAM



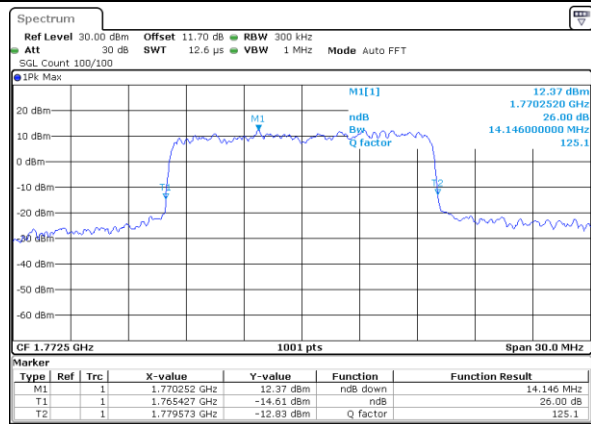
Date: 15.MAR.2020 19:01:38

Highest Channel / 15MHz / QPSK



Date: 15.MAR.2020 19:03:54

Highest Channel / 15MHz / 16QAM

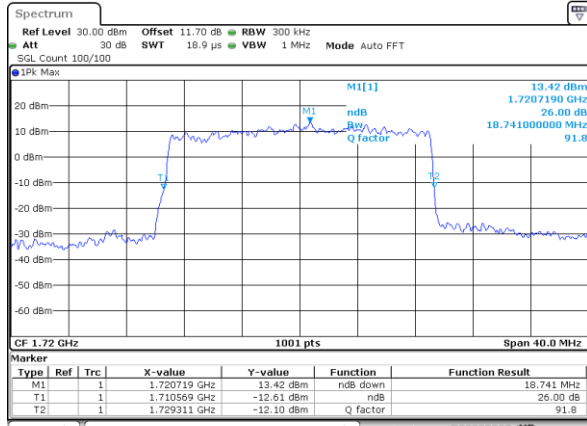


Date: 15.MAR.2020 19:04:06



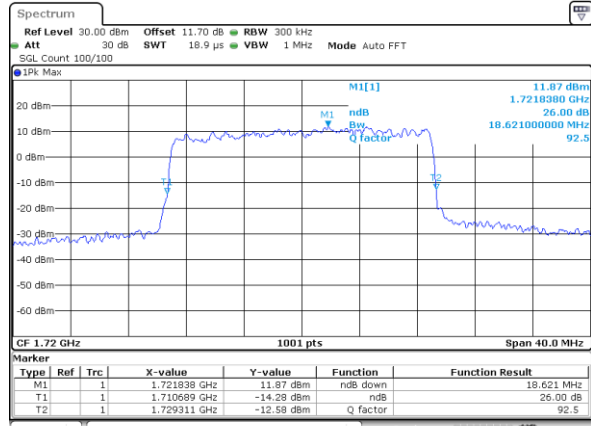
LTE Band 66

Lowest Channel / 20MHz / QPSK



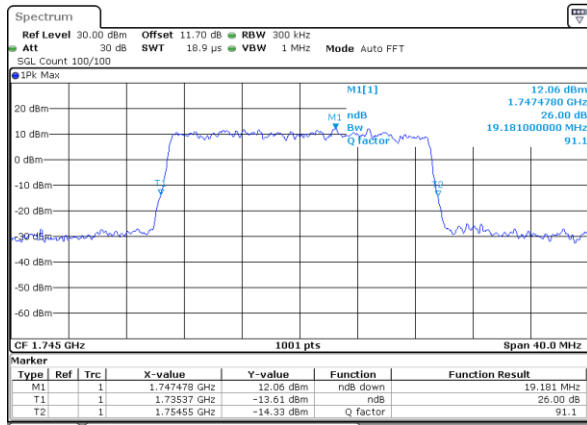
Date: 15.MAR.2020 20:20:30

Lowest Channel / 20MHz / 16QAM



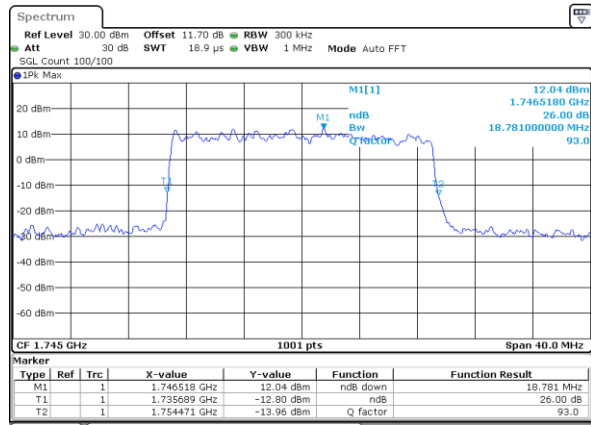
Date: 15.MAR.2020 20:20:43

Middle Channel / 20MHz / QPSK



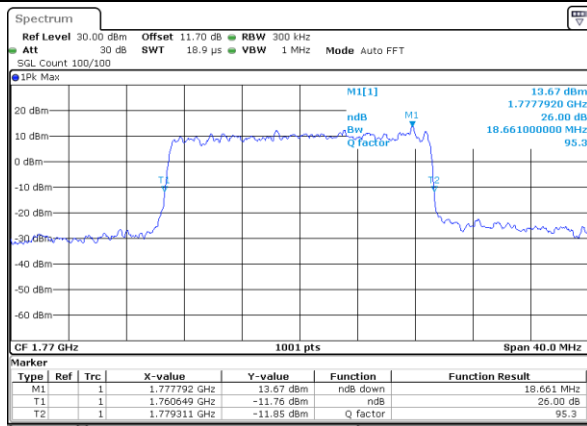
Date: 15.MAR.2020 20:26:59

Middle Channel / 20MHz / 16QAM



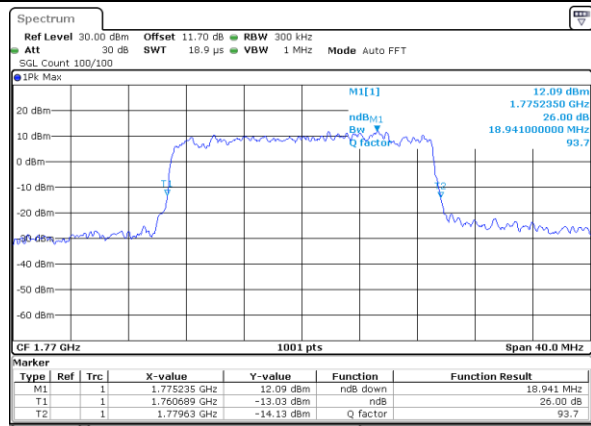
Date: 15.MAR.2020 20:27:11

Highest Channel / 20MHz / QPSK



Date: 15.MAR.2020 20:29:29

Highest Channel / 20MHz / 16QAM



Date: 15.MAR.2020 20:29:41



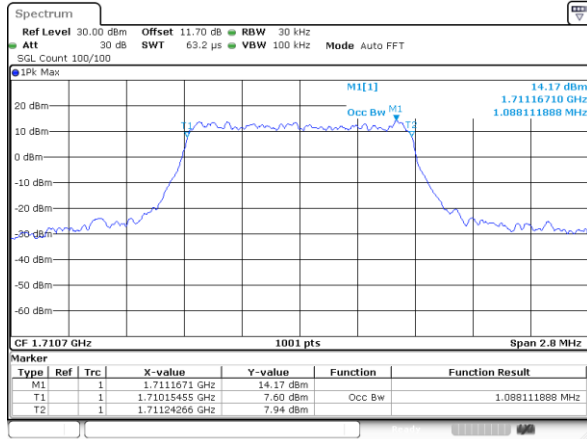
Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.73	2.73	4.52	4.48	8.99	8.99	13.43	13.37	17.90	17.78
Middle CH	1.09	1.09	2.71	2.71	4.50	4.49	8.99	8.99	13.40	13.52	17.94	17.90
Highest CH	1.09	1.10	2.71	2.72	4.50	4.50	9.05	8.95	13.37	13.43	17.86	17.86

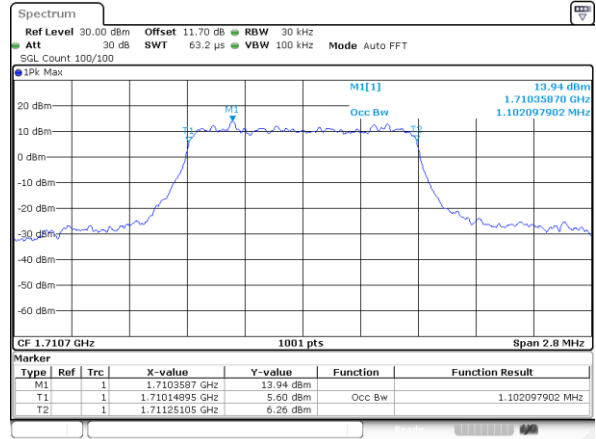


LTE Band 66

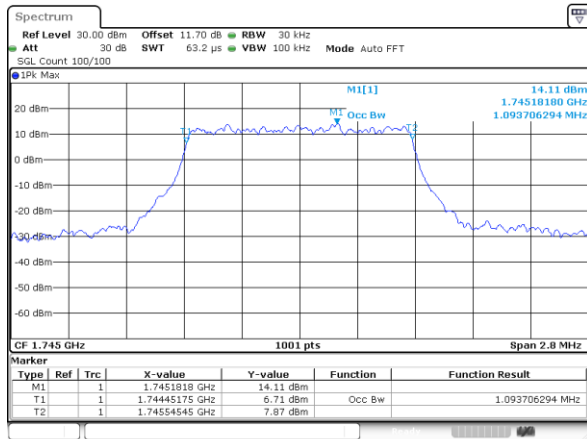
Lowest Channel / 1.4MHz / QPSK



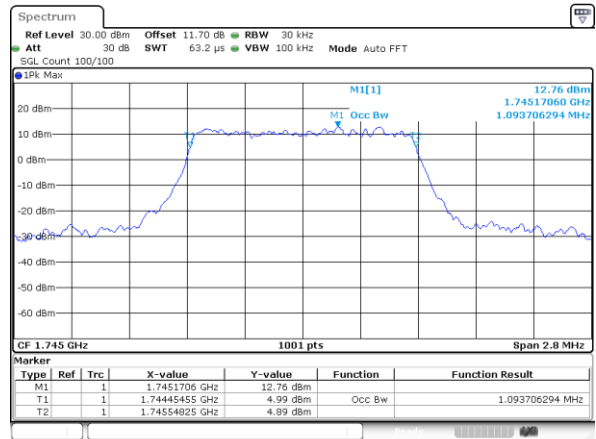
Lowest Channel / 1.4MHz / 16QAM



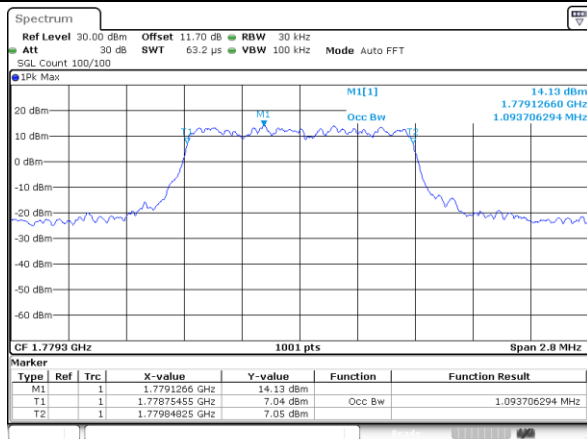
Middle Channel / 1.4MHz / QPSK



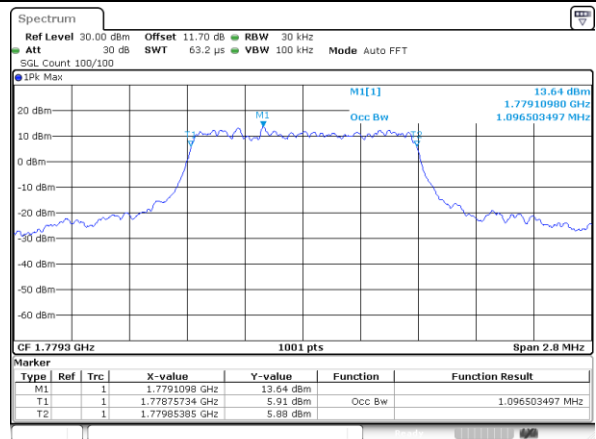
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



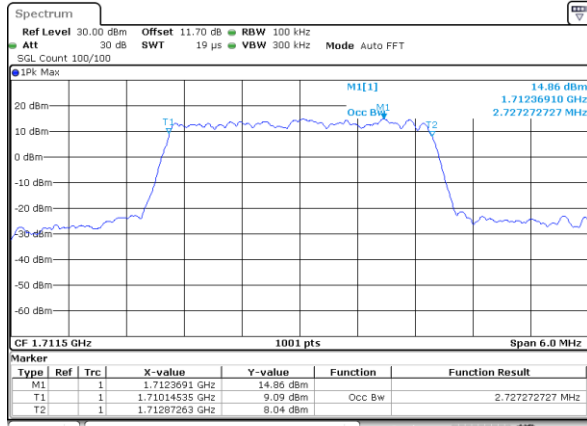
Highest Channel / 1.4MHz / 16QAM





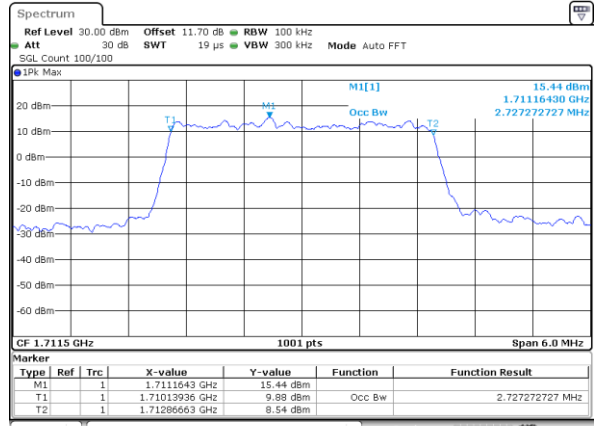
LTE Band 66

Lowest Channel / 3MHz / QPSK



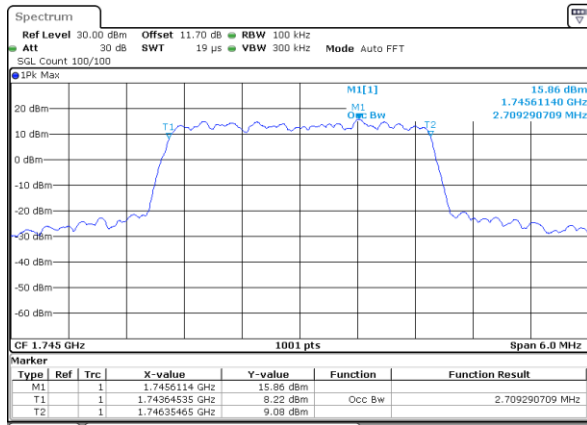
Date: 15.MAR.2020 17:37:14

Lowest Channel / 3MHz / 16QAM



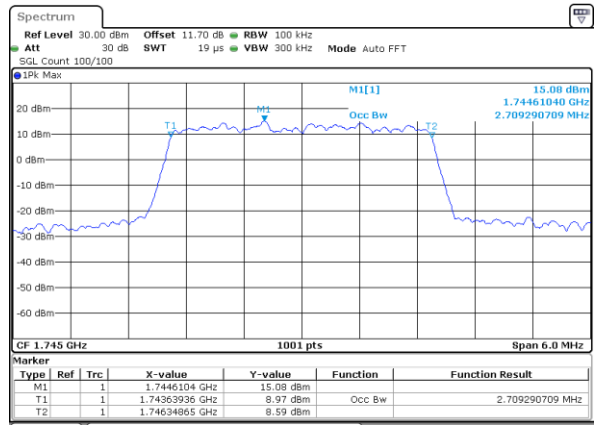
Date: 15.MAR.2020 17:37:26

Middle Channel / 3MHz / QPSK



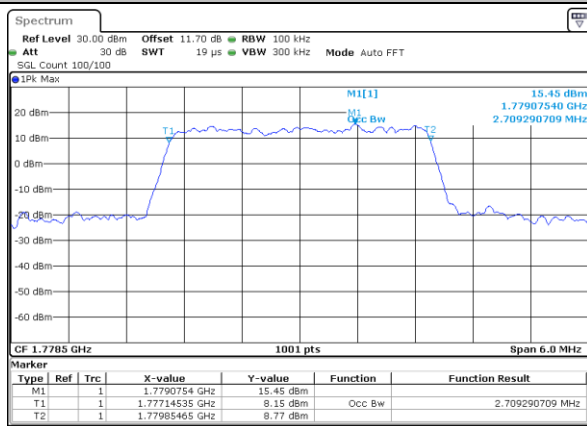
Date: 15.MAR.2020 17:43:44

Middle Channel / 3MHz / 16QAM



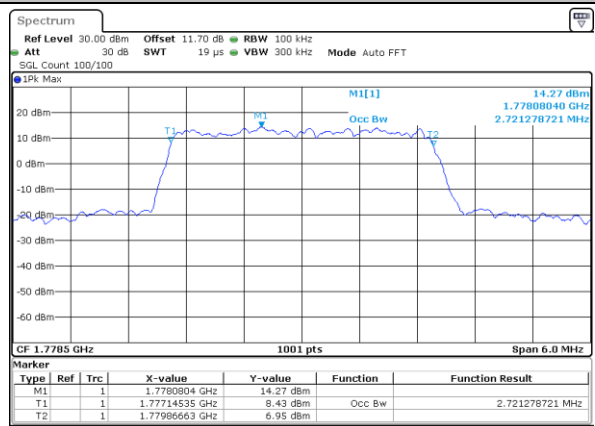
Date: 15.MAR.2020 17:43:57

Highest Channel / 3MHz / QPSK



Date: 15.MAR.2020 17:46:14

Highest Channel / 3MHz / 16QAM

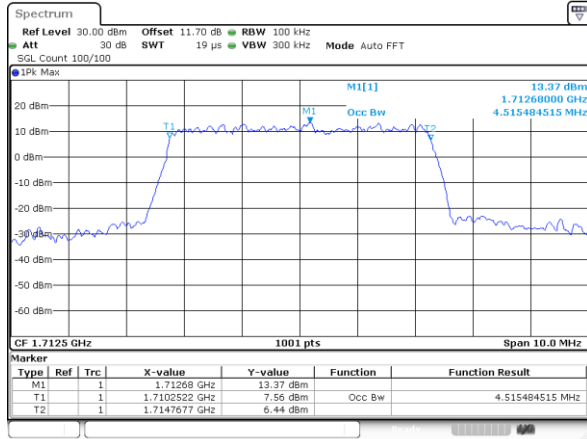


Date: 15.MAR.2020 17:46:26

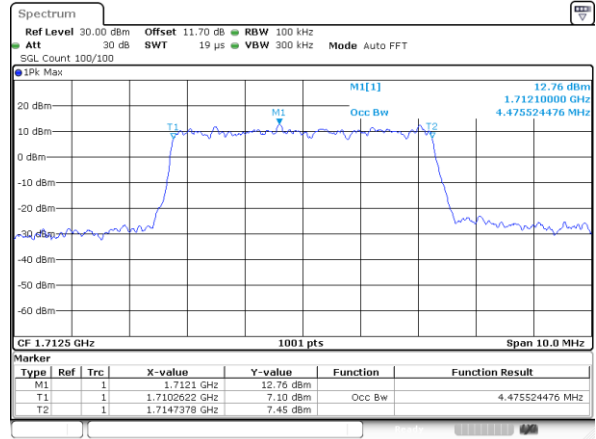


LTE Band 66

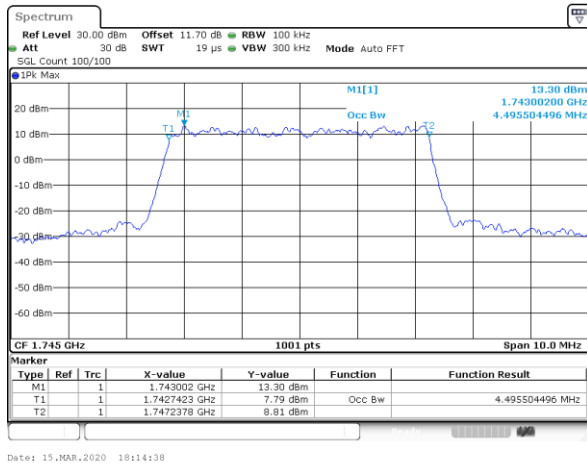
Lowest Channel / 5MHz / QPSK



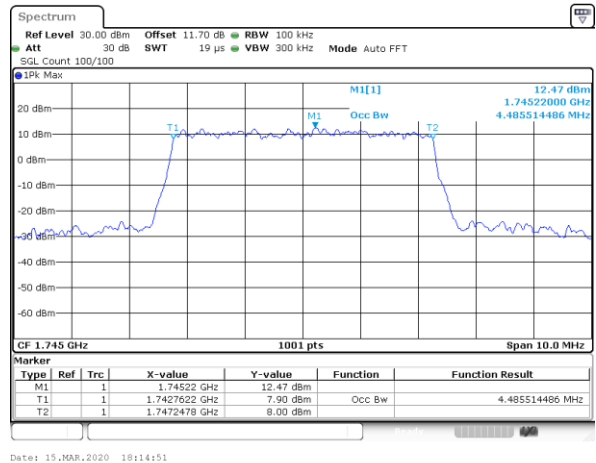
Lowest Channel / 5MHz / 16QAM



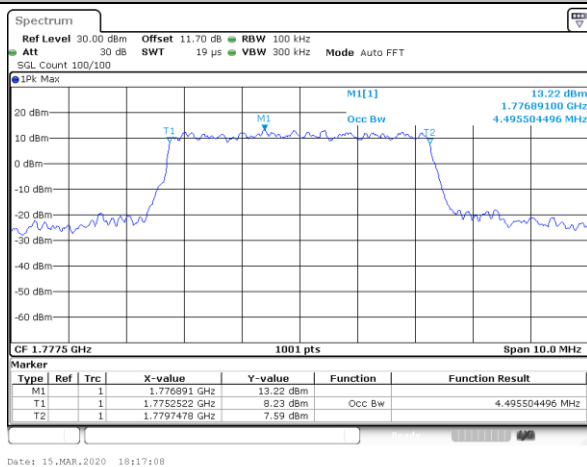
Middle Channel / 5MHz / QPSK



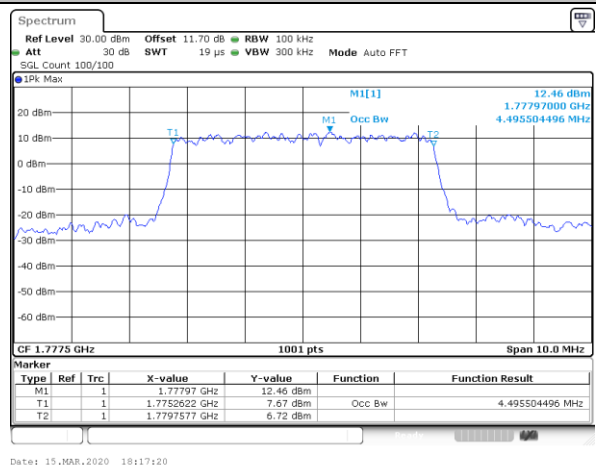
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



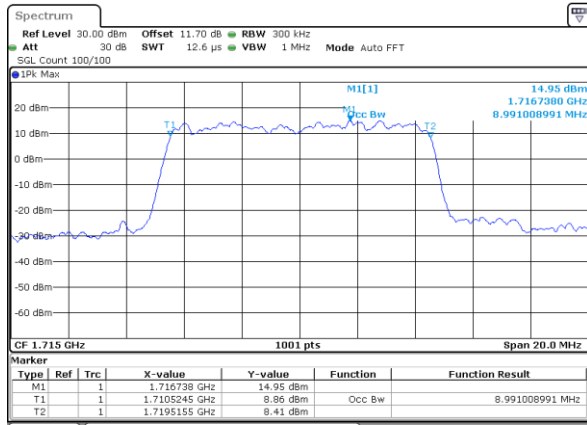
Highest Channel / 5MHz / 16QAM



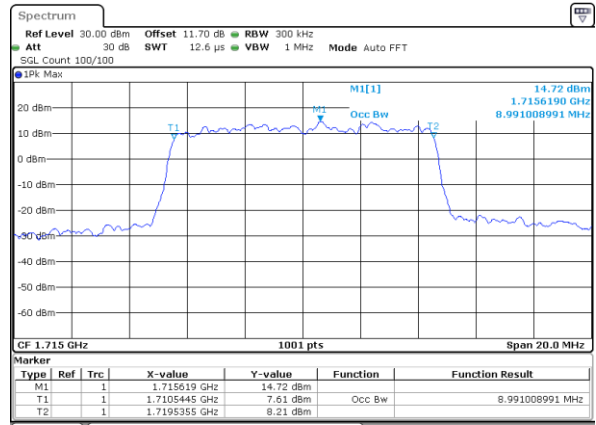


LTE Band 66

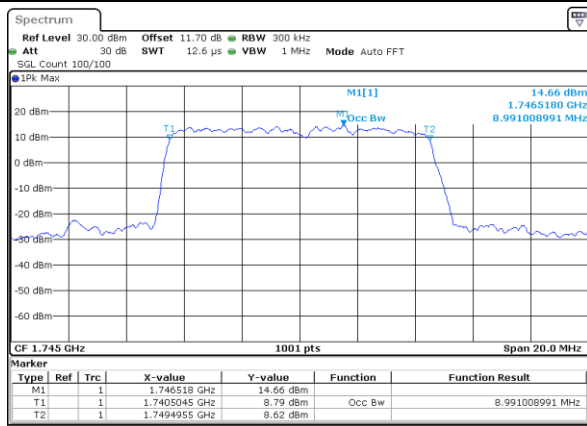
Lowest Channel / 10MHz / QPSK



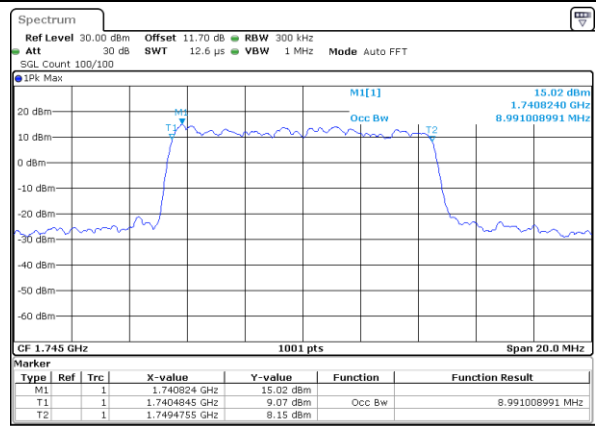
Lowest Channel / 10MHz / 16QAM



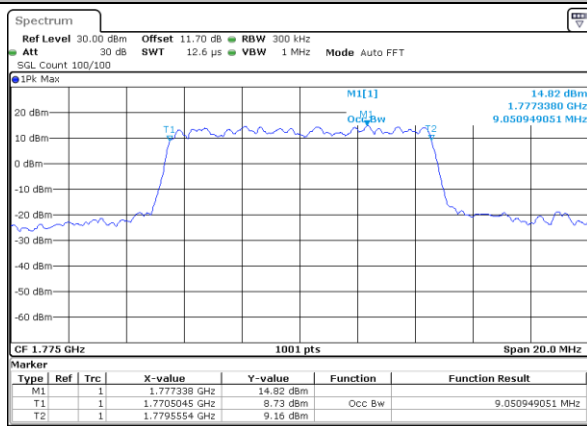
Middle Channel / 10MHz / QPSK



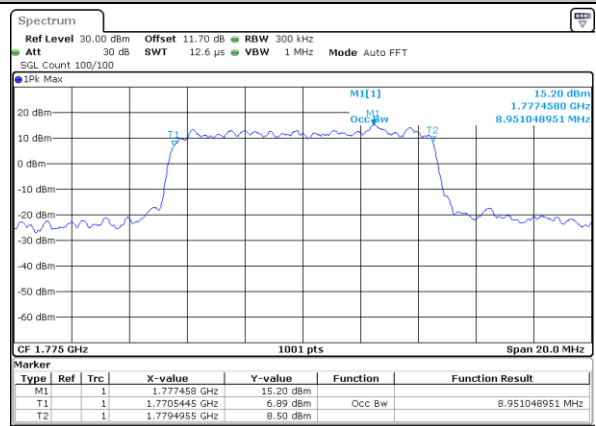
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



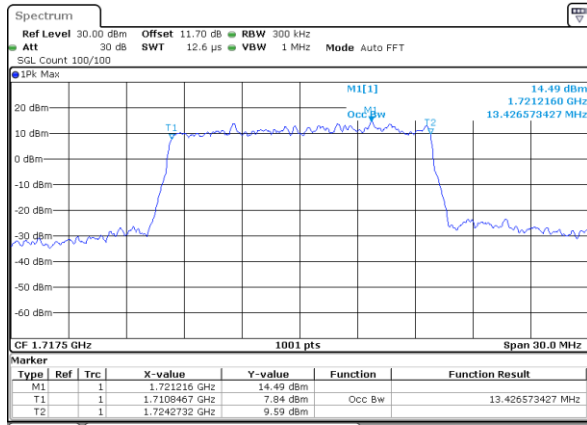
Highest Channel / 10MHz / 16QAM



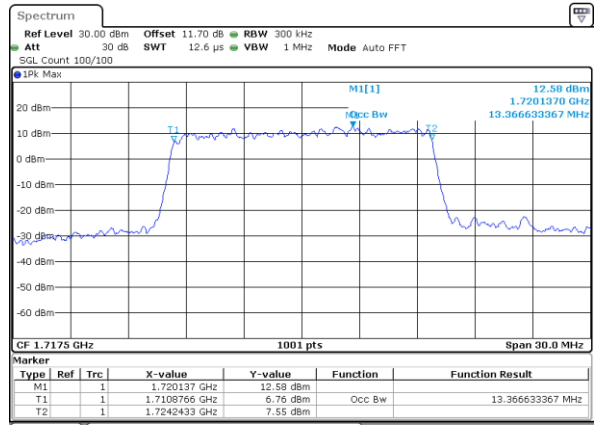


LTE Band 66

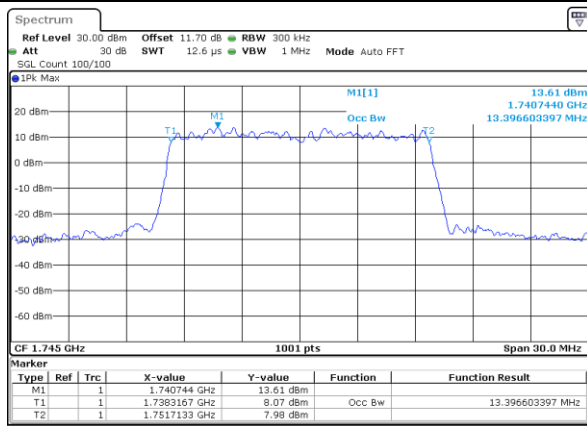
Lowest Channel / 15MHz / QPSK



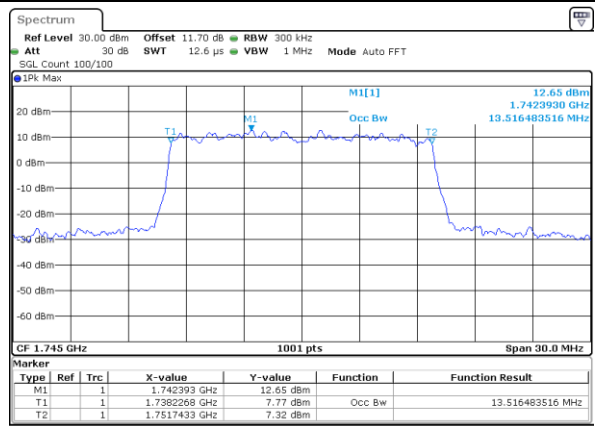
Lowest Channel / 15MHz / 16QAM



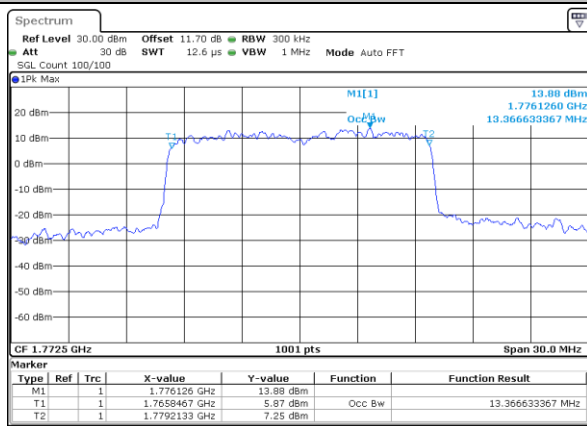
Middle Channel / 15MHz / QPSK



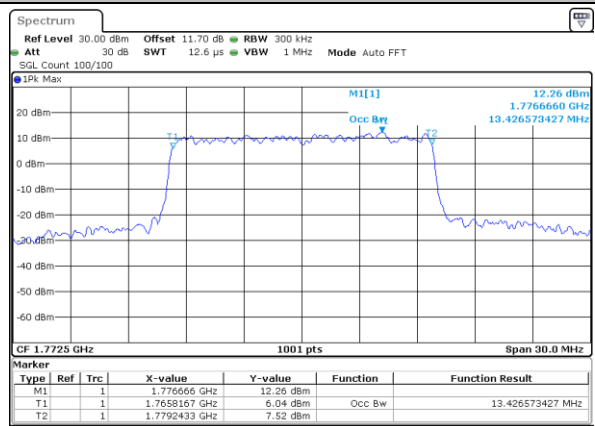
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



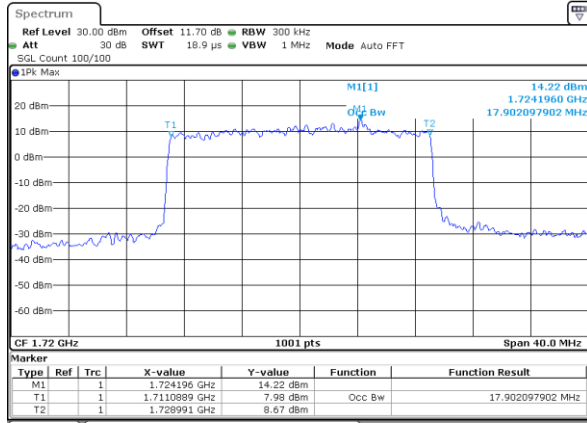
Highest Channel / 15MHz / 16QAM



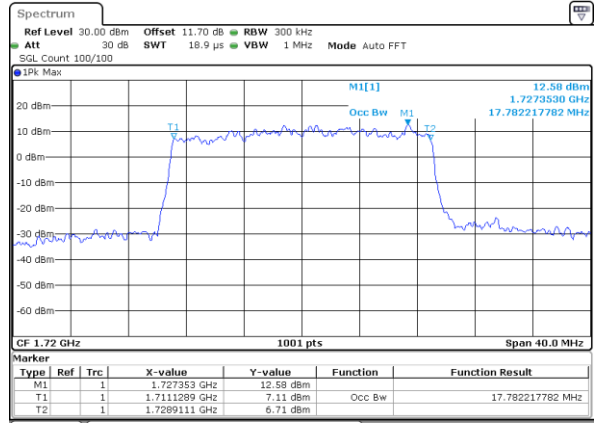


LTE Band 66

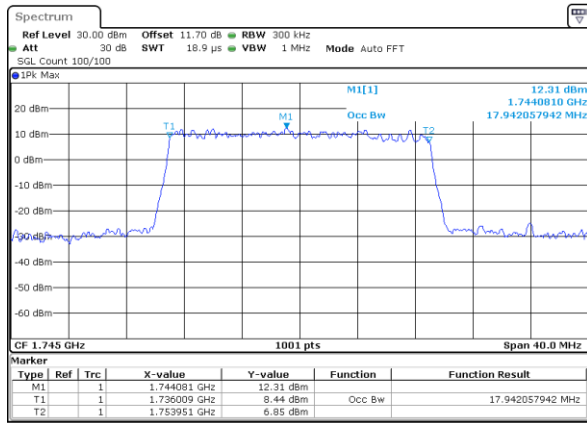
Lowest Channel / 20MHz / QPSK



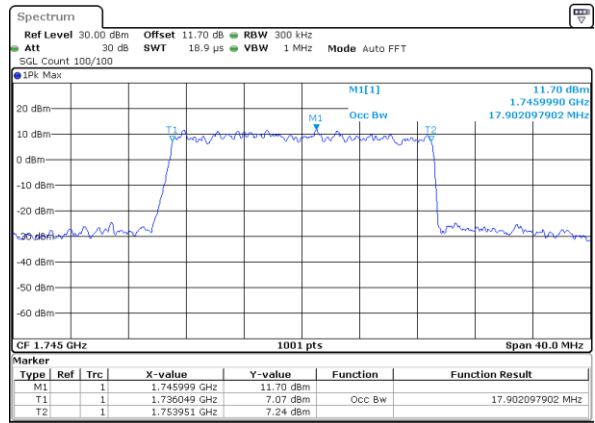
Lowest Channel / 20MHz / 16QAM



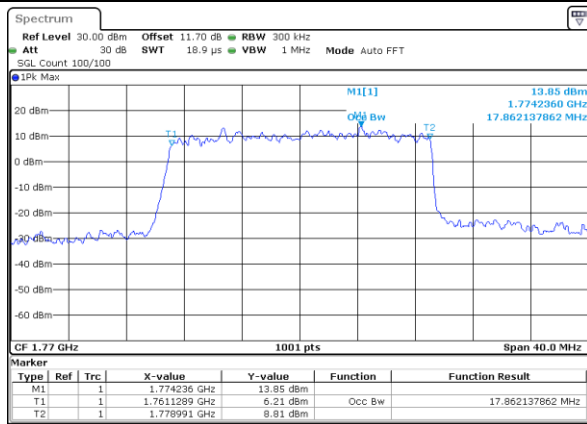
Middle Channel / 20MHz / QPSK



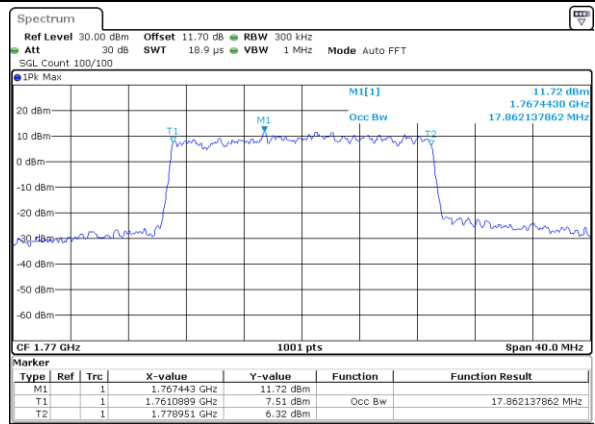
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

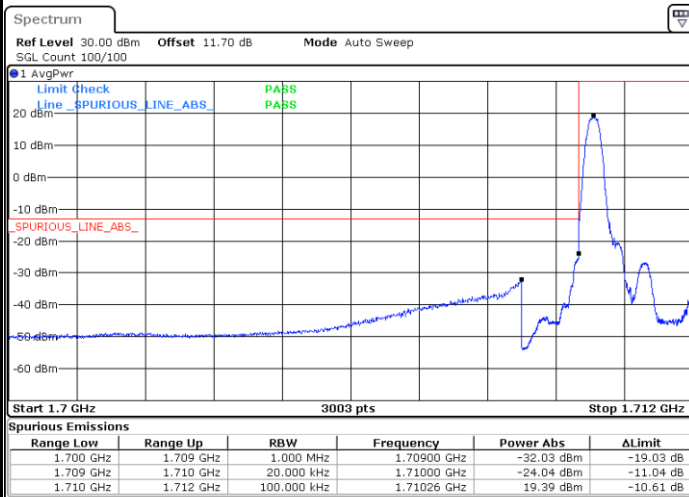




Conducted Band Edge

LTE Band 66 / 1.4MHz / QPSK

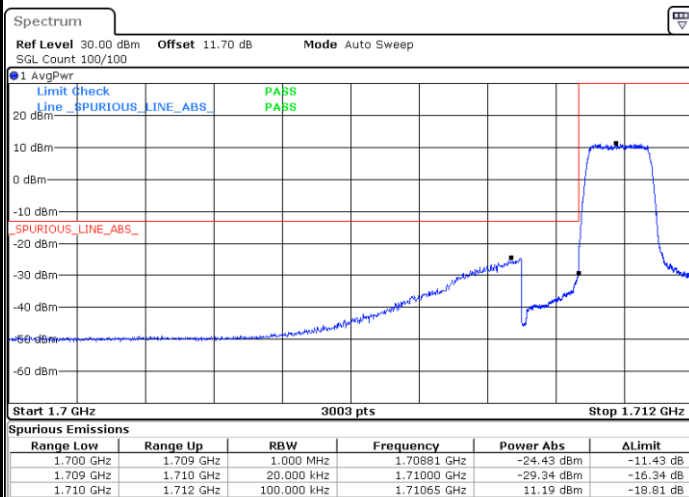
Lowest Band Edge / 1RB



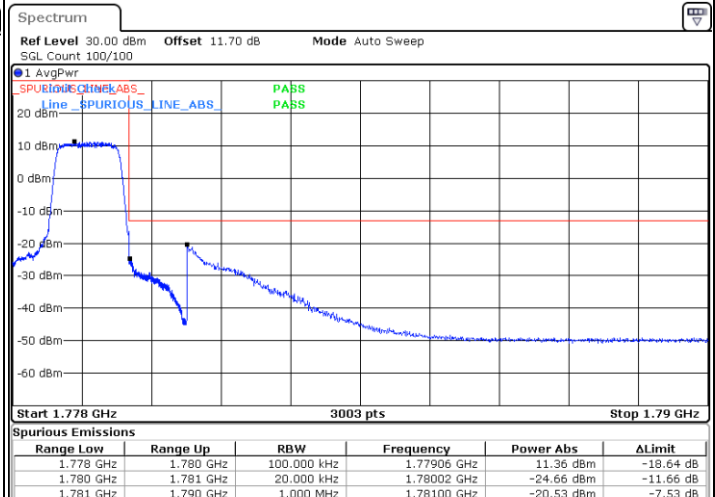
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



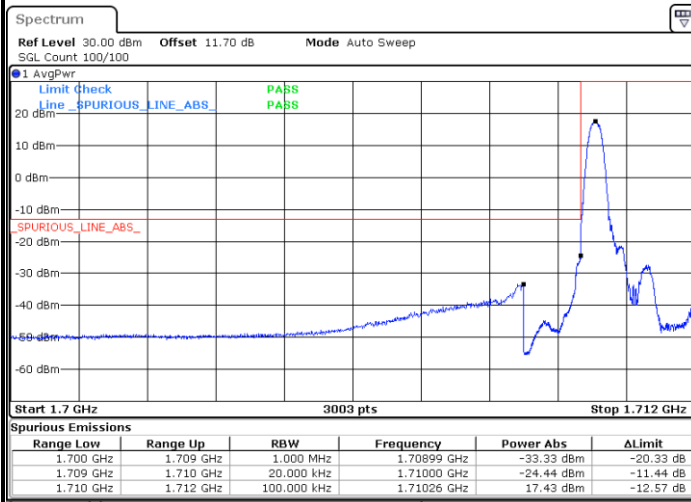
Highest Band Edge / Full RB



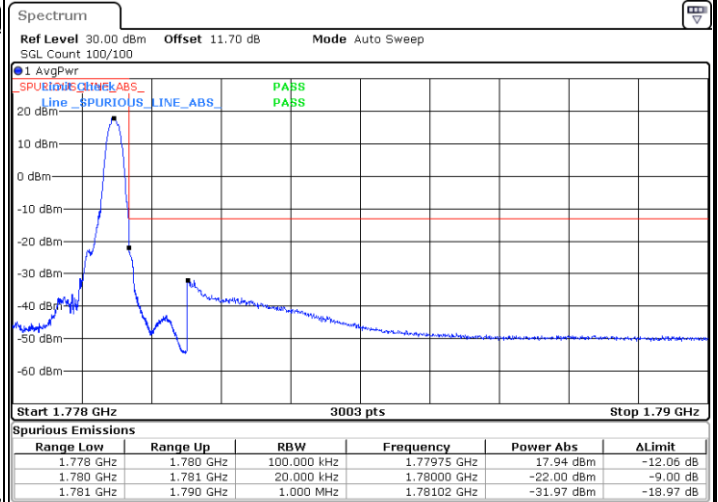


LTE Band 66 / 1.4MHz / 16QAM

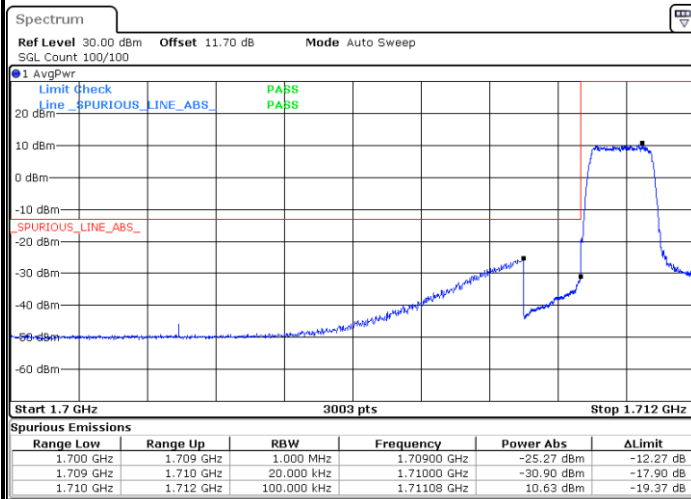
Lowest Band Edge / 1 RB



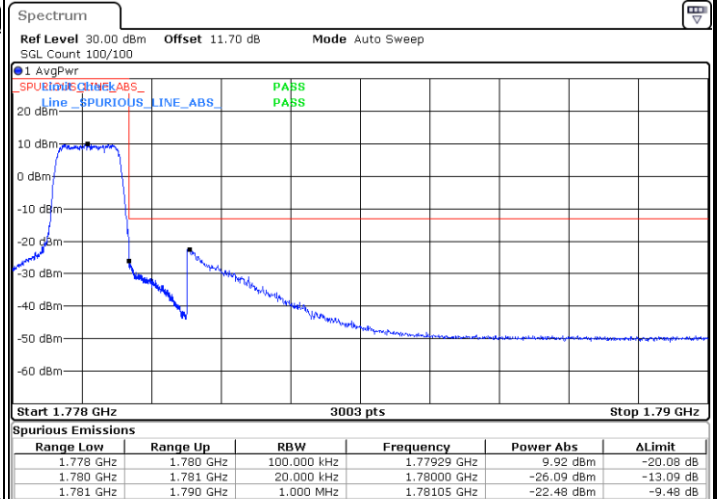
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



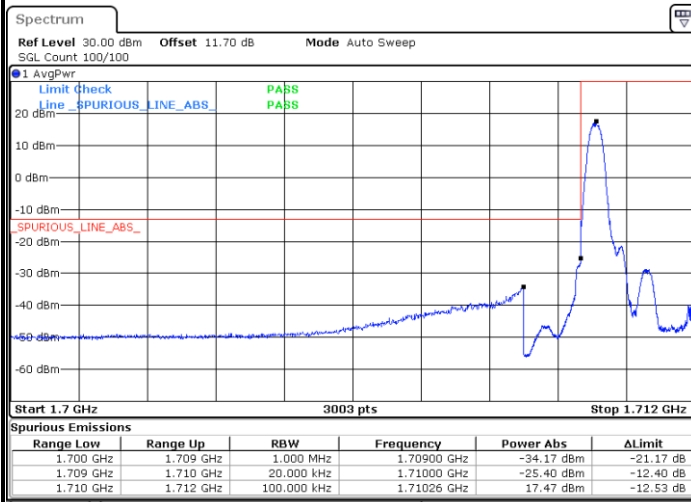
Highest Band Edge / Full RB



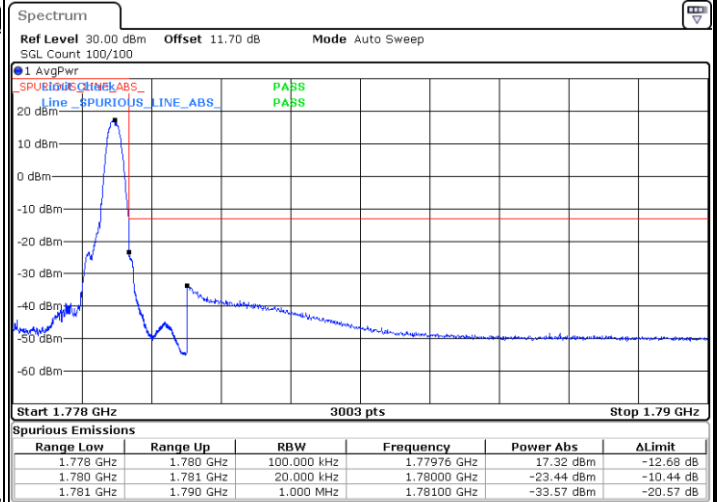


LTE Band 66 / 1.4MHz / 64QAM

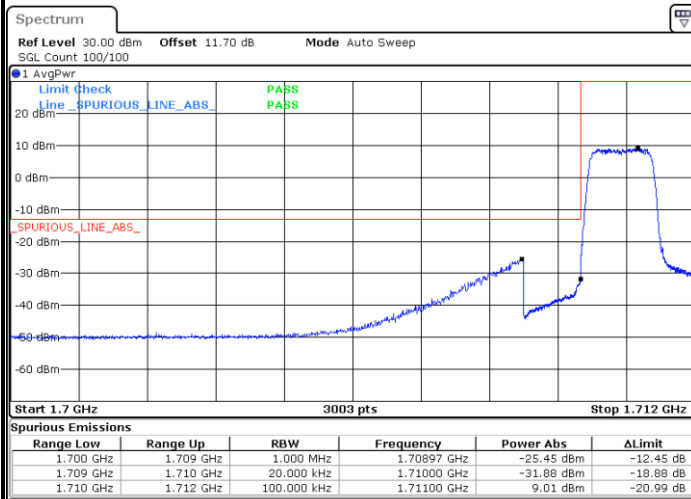
Lowest Band Edge / 1 RB



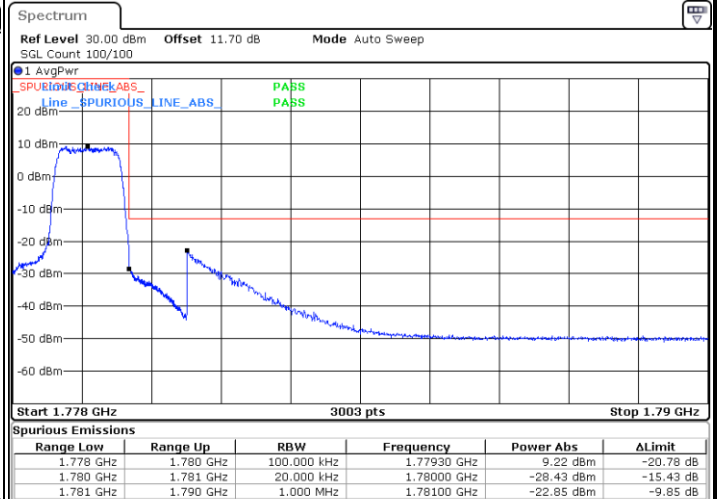
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



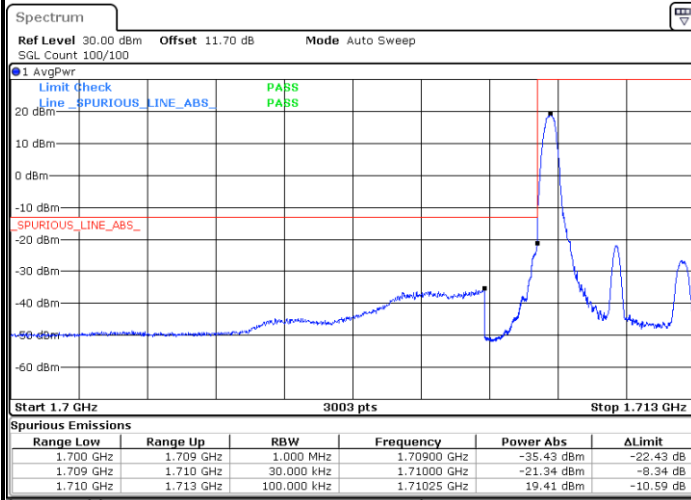
Highest Band Edge / Full RB



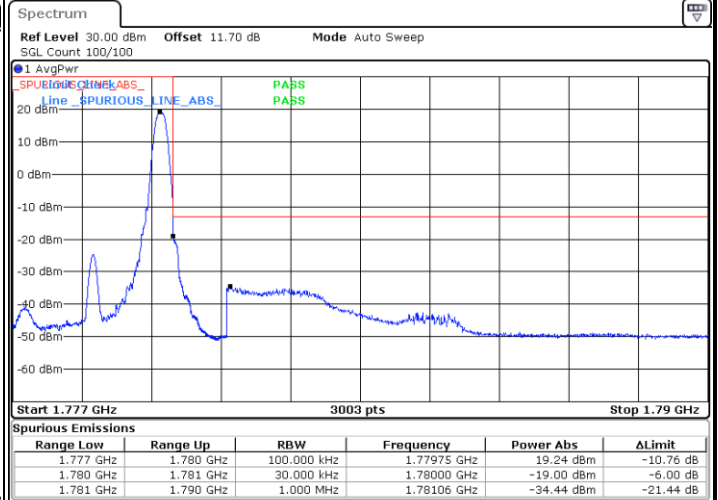


LTE Band 66 / 3MHz / QPSK

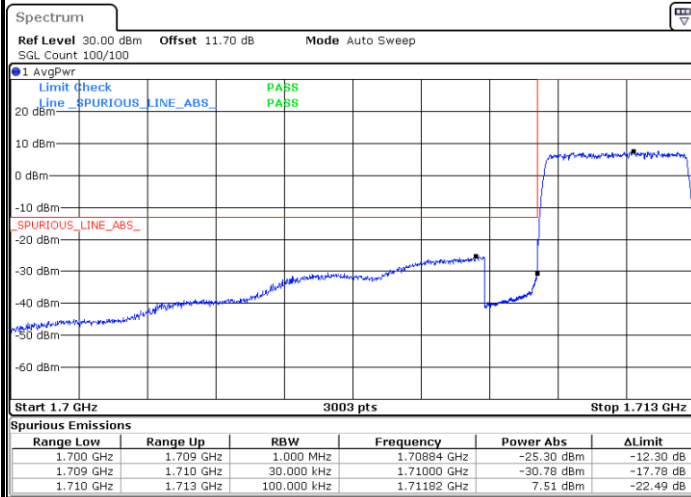
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



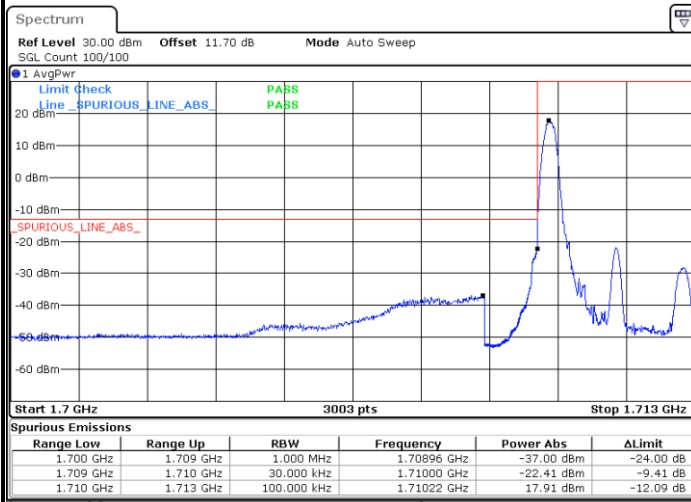
Highest Band Edge / Full RB



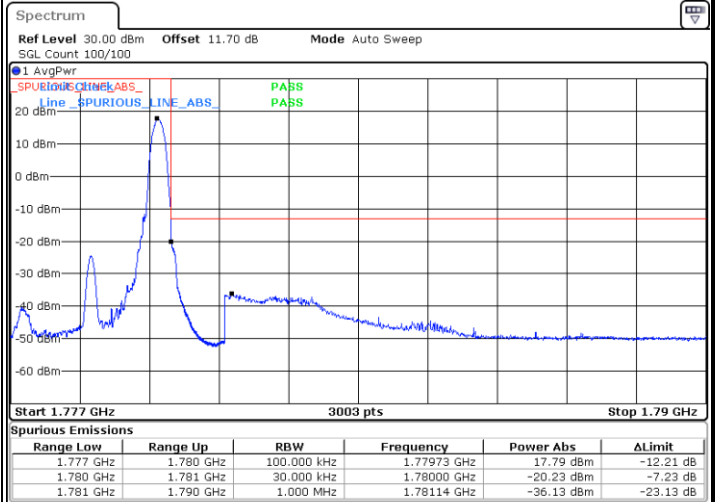


LTE Band 66 / 3MHz / 16QAM

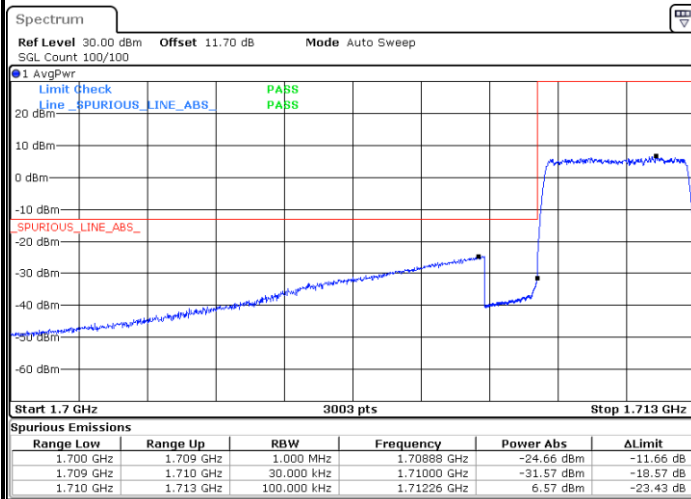
Lowest Band Edge / 1 RB



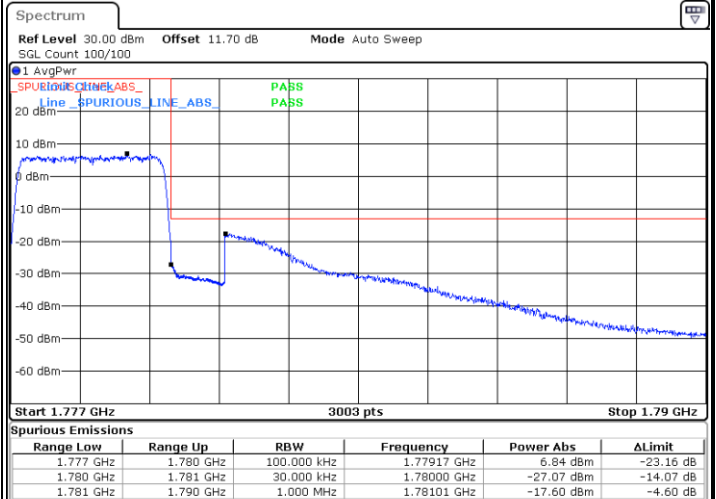
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



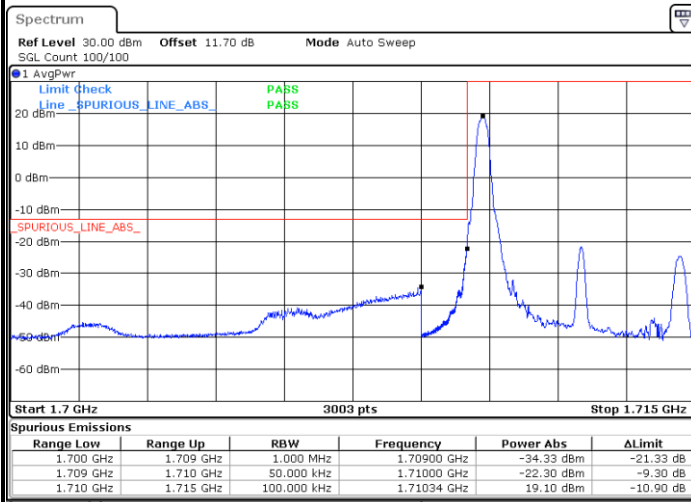
Highest Band Edge / Full RB



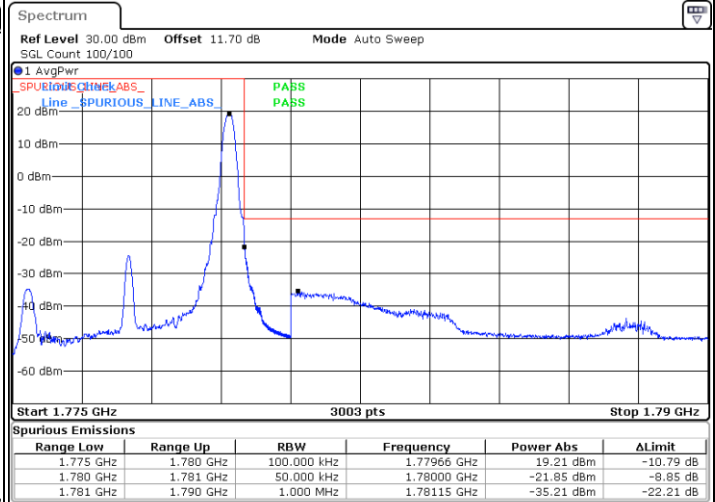


LTE Band 66 / 5MHz / QPSK

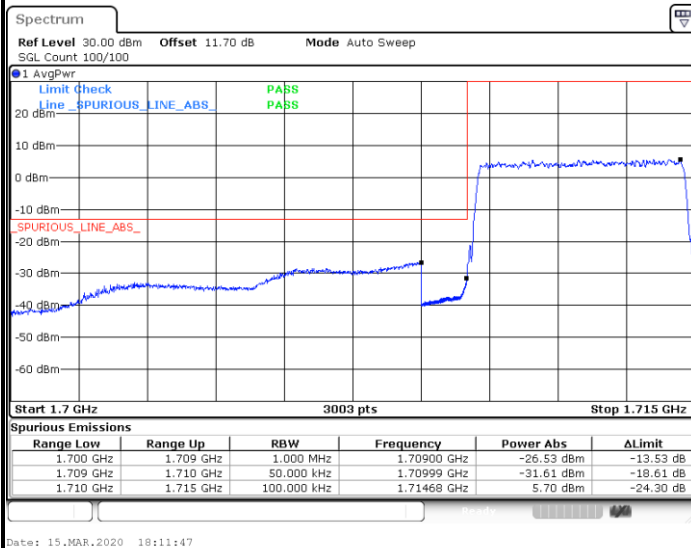
Lowest Band Edge / 1 RB



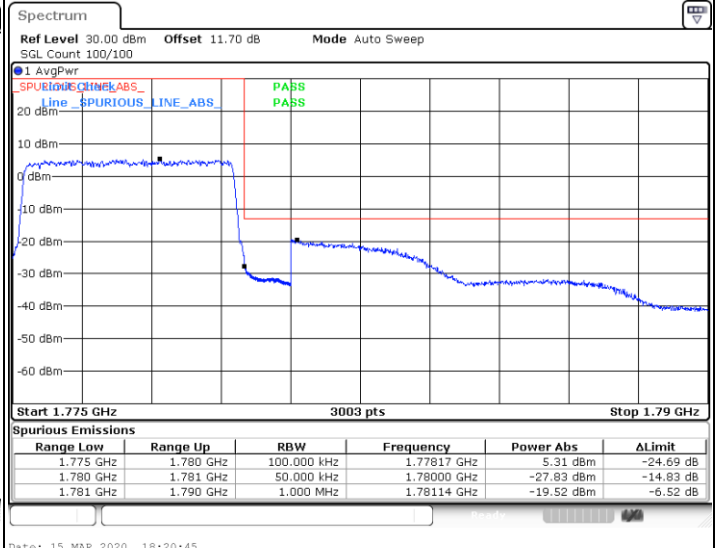
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



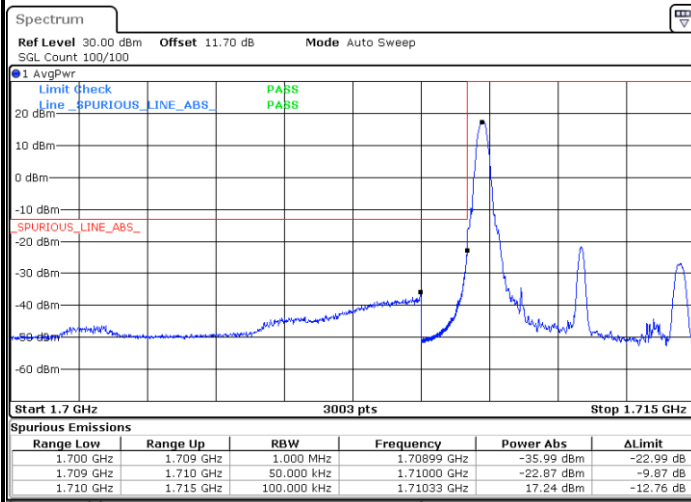
Highest Band Edge / Full RB



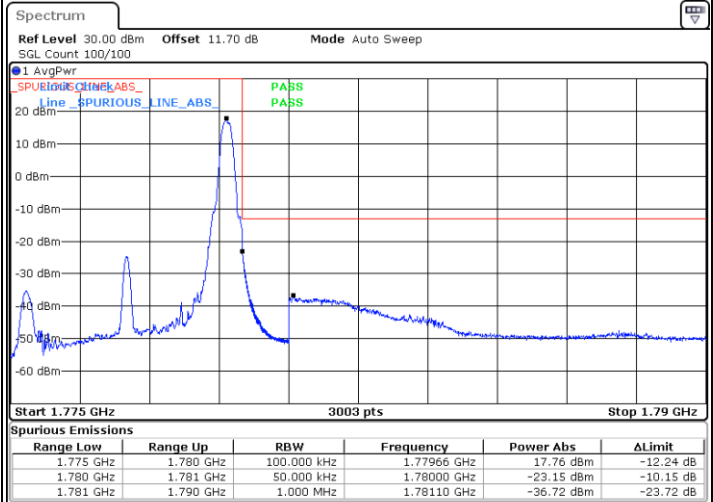


LTE Band 66 / 5MHz / 16QAM

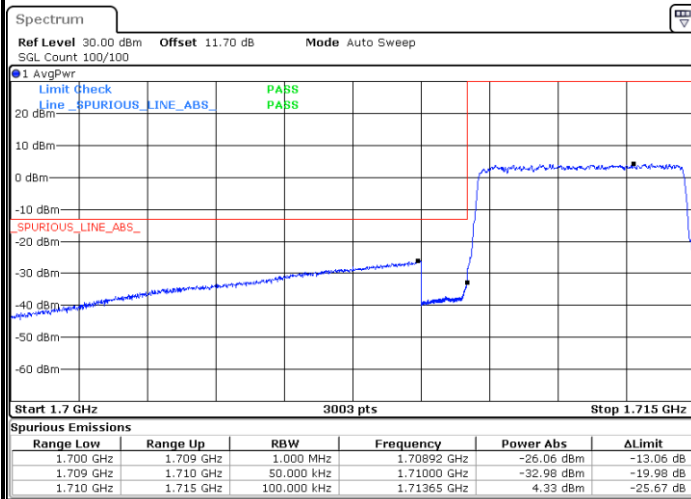
Lowest Band Edge / 1RB



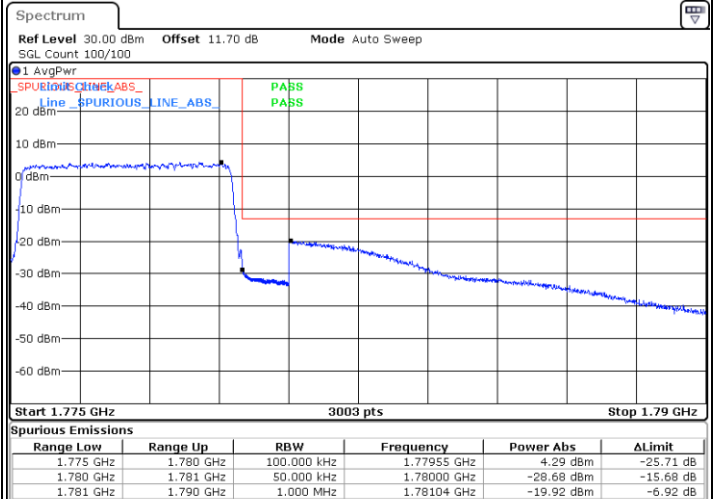
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



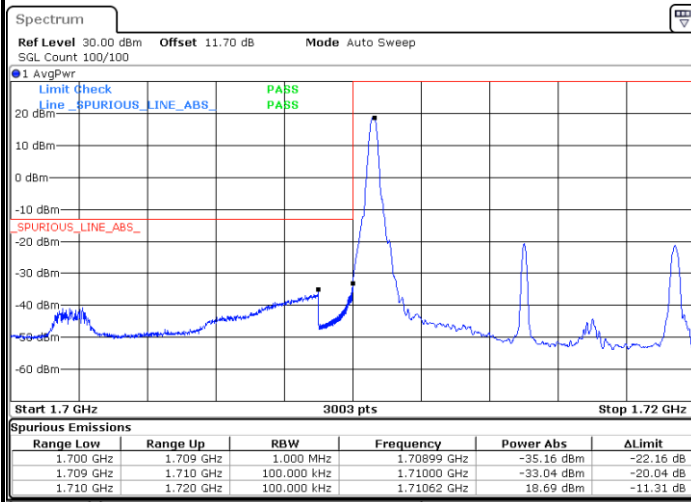
Highest Band Edge / Full RB



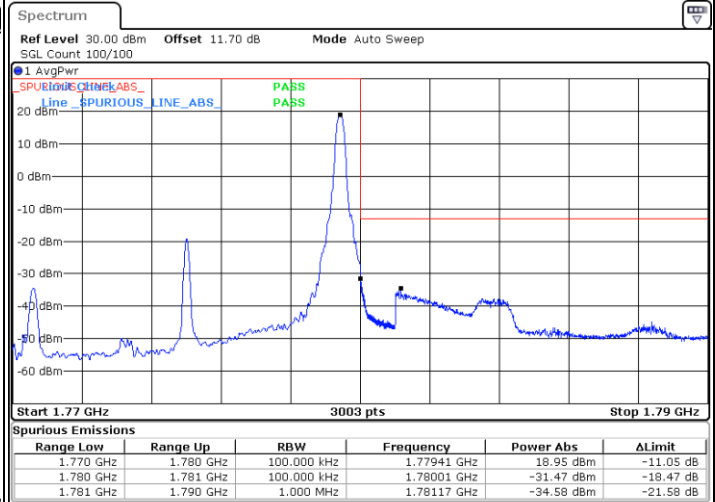


LTE Band 66 / 10MHz / QPSK

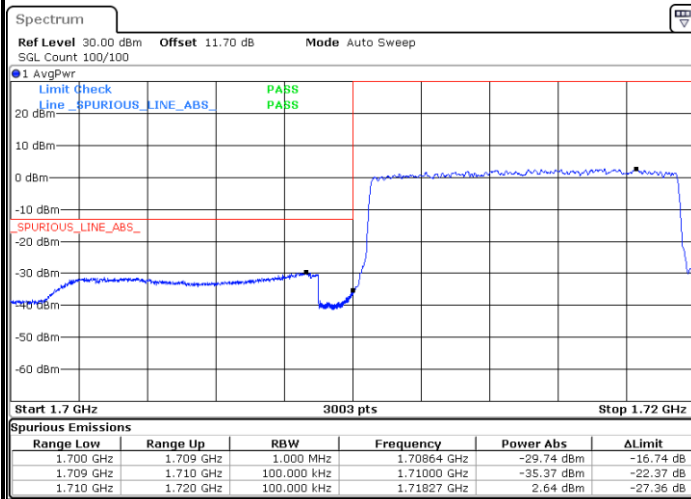
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

