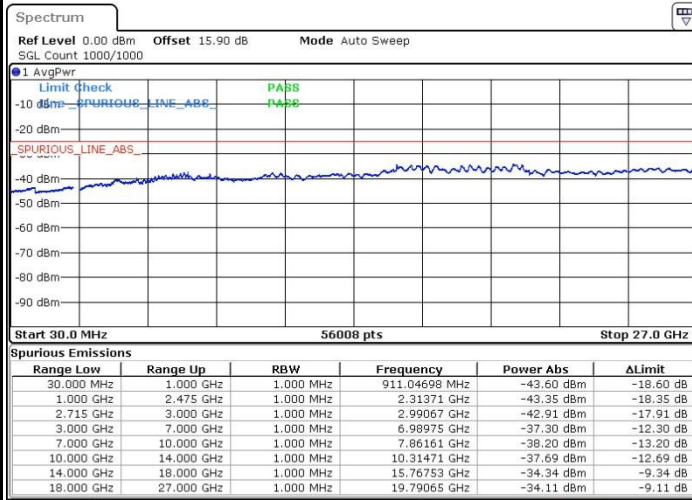




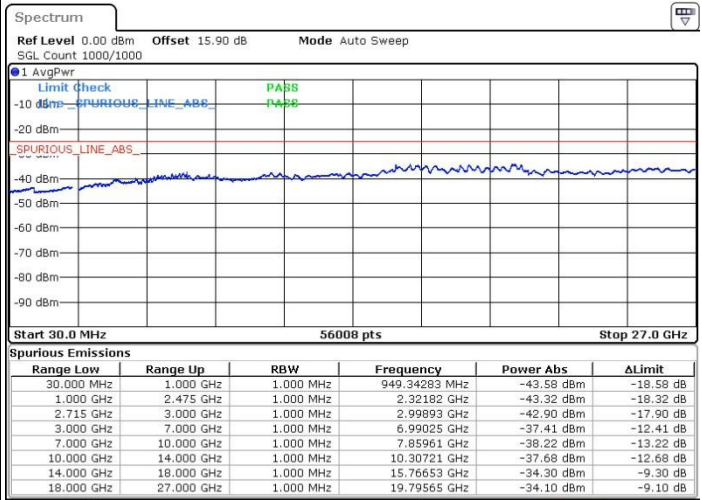
LTE Band 41 / 20MHz

Middle Channel / QPSK



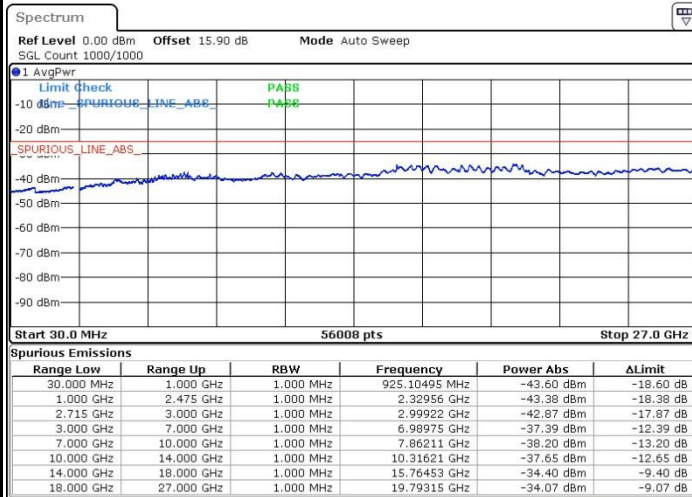
Date: 21.FEB.2017 20:41:07

Middle Channel / 16QAM



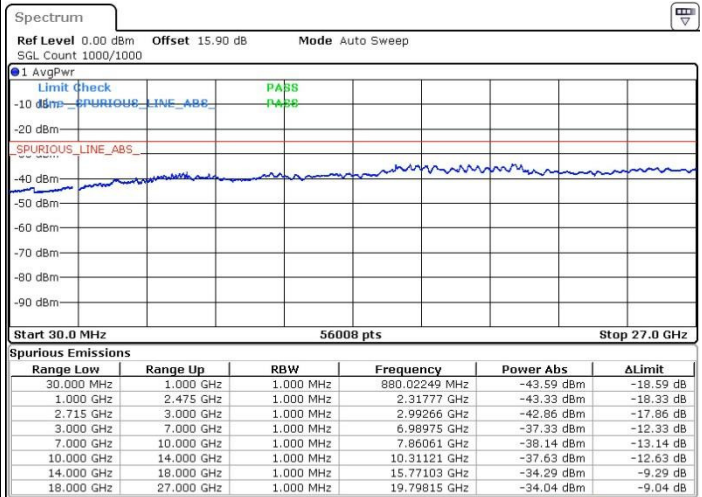
Date: 21.FEB.2017 20:49:18

Highest Channel / QPSK



Date: 21.FEB.2017 21:02:24

Highest Channel / 16QAM



Date: 21.FEB.2017 20:55:44

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	0.0007	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

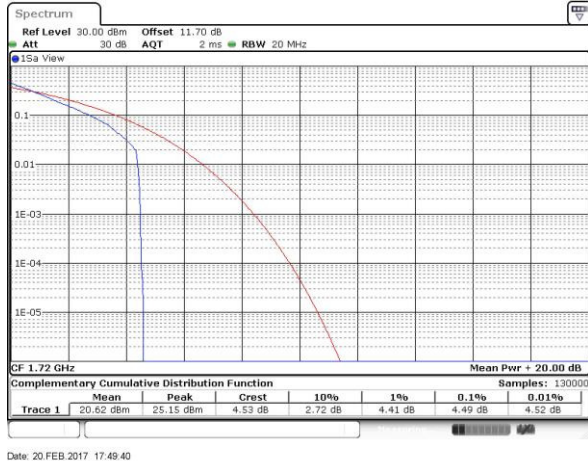
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.49	4.72	5.57	5.71	PASS
Middle CH	4.26	4.78	5.45	5.59	
Highest CH	4.61	4.78	5.33	6	

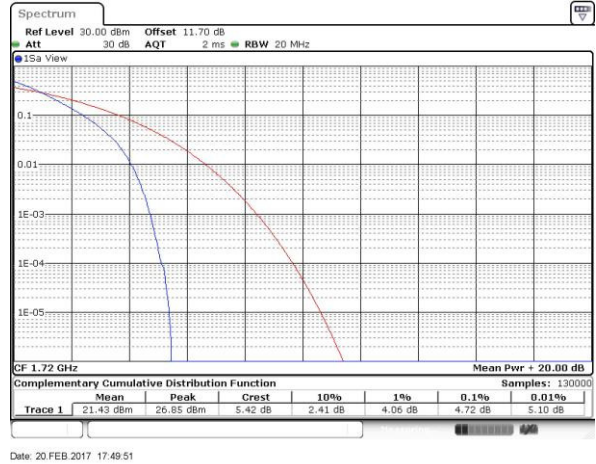


LTE Band 66 / 20MHz / QPSK

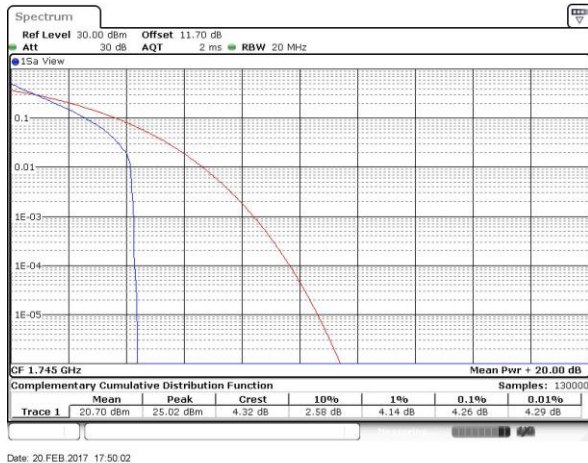
Lowest Channel / 1RB



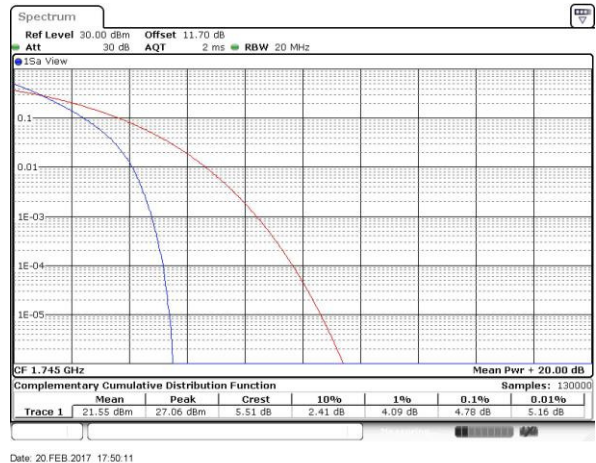
Lowest Channel / Full RB



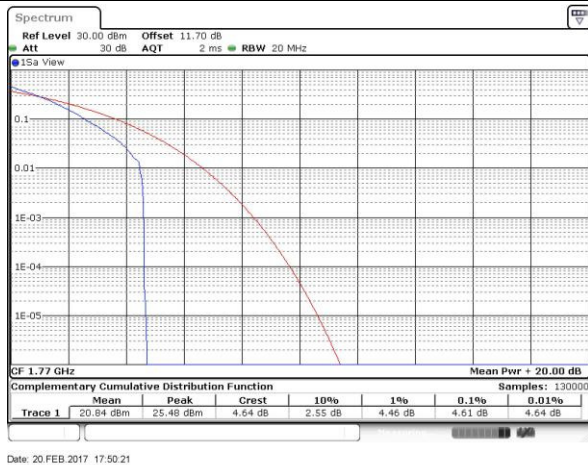
Middle Channel / 1RB



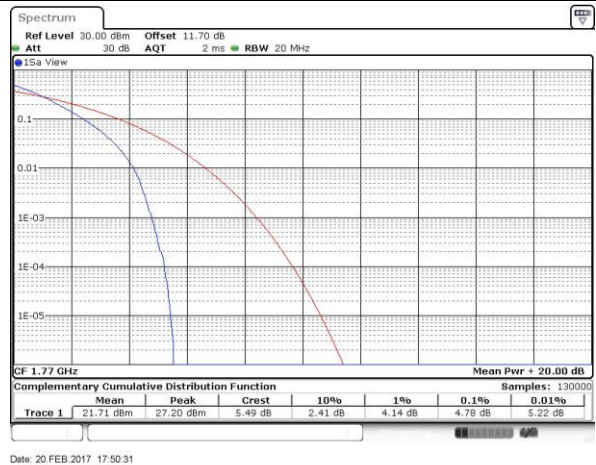
Middle Channel / Full RB



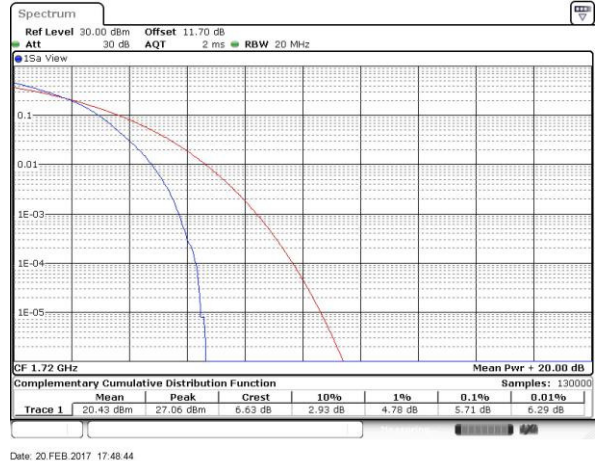
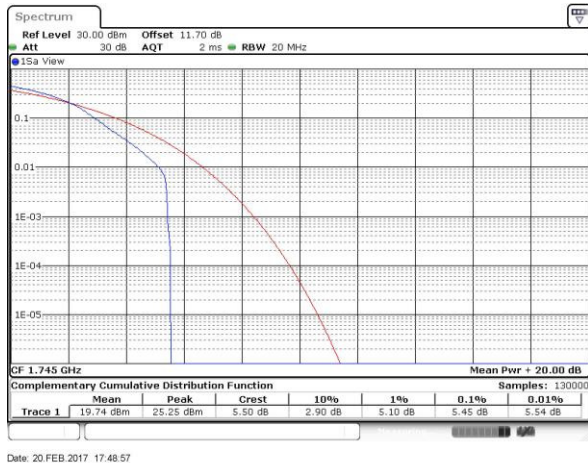
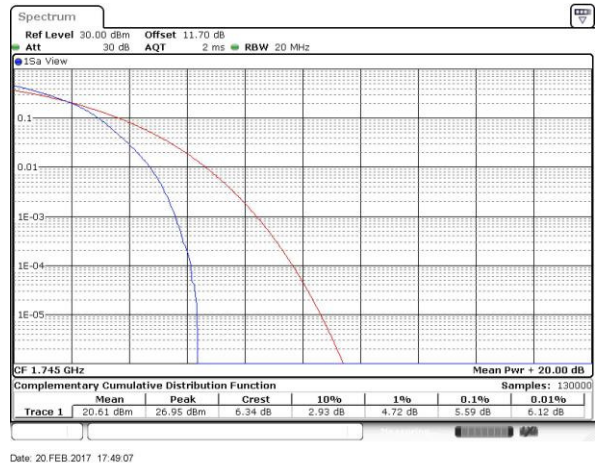
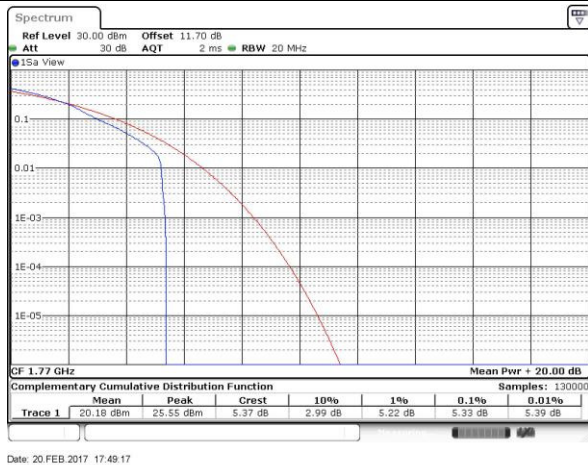
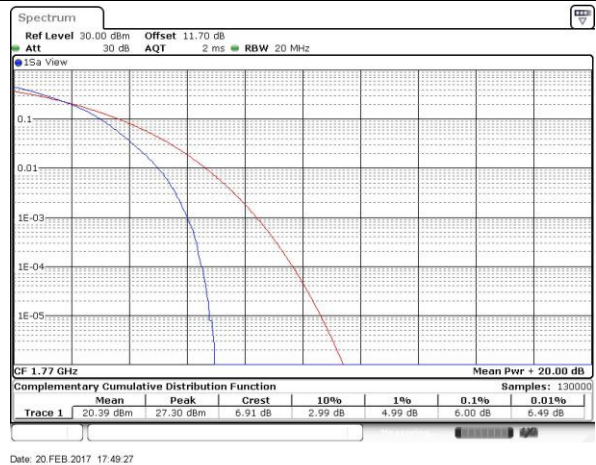
Highest Channel / 1RB



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


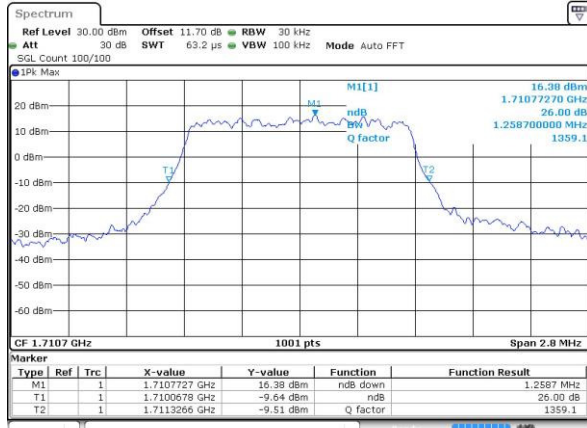
**26dB Bandwidth**

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	1.26	1.28	2.99	2.97	4.85	4.83	9.99	9.65	14.30	14.39	20.42	20.14
Middle CH	1.28	1.31	3.01	2.96	5.05	4.95	9.77	9.81	14.30	14.51	20.14	20.10
Highest CH	1.26	1.26	3.02	3.00	4.90	4.99	9.79	9.79	14.48	14.45	20.18	20.06



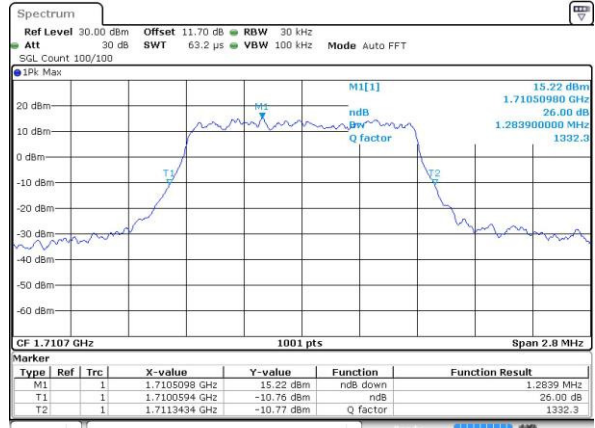
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



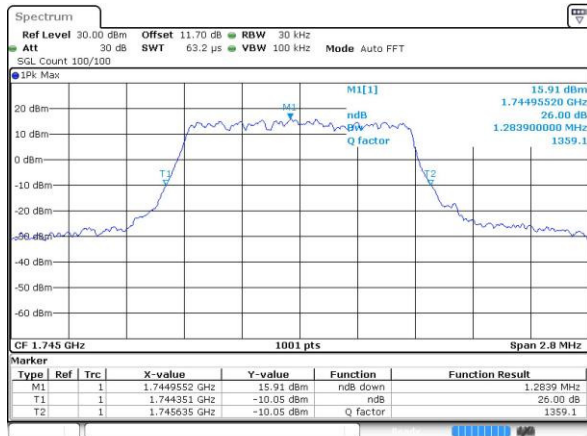
Date: 20 FEB 2017 15:46:45

Lowest Channel / 1.4MHz / 16QAM



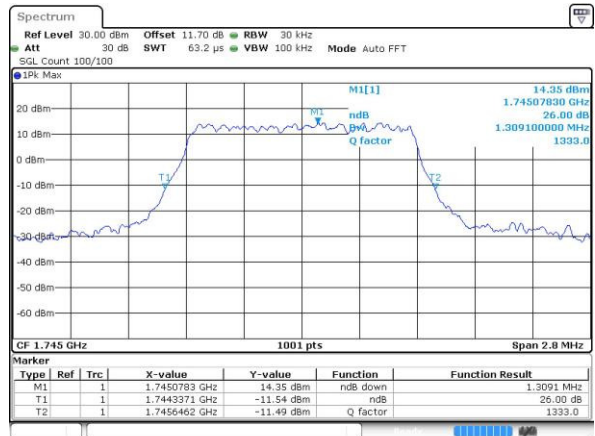
Date: 20 FEB 2017 15:46:55

Middle Channel / 1.4MHz / QPSK



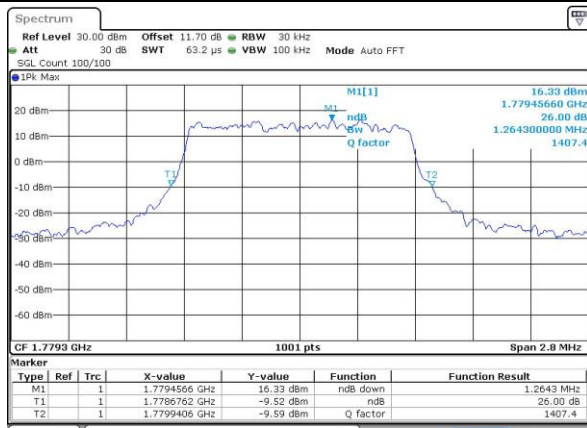
Date: 20 FEB 2017 15:53:54

Middle Channel / 1.4MHz / 16QAM



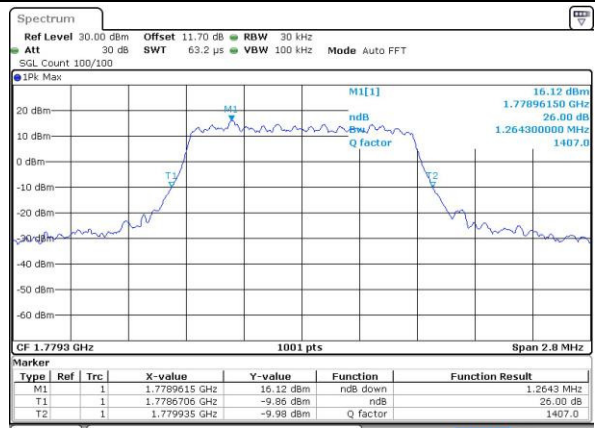
Date: 20 FEB 2017 15:54:04

Highest Channel / 1.4MHz / QPSK



Date: 20 FEB 2017 15:56:26

Highest Channel / 1.4MHz / 16QAM

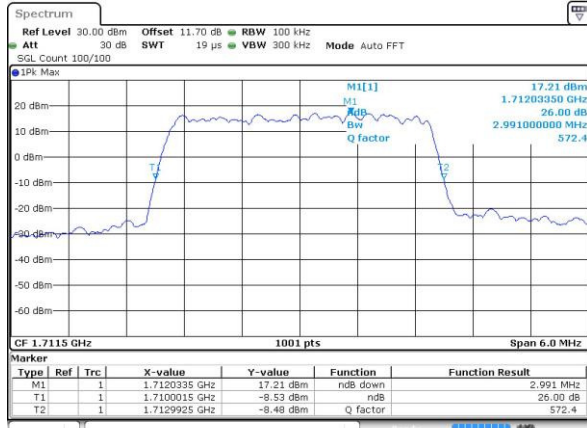


Date: 20 FEB 2017 15:56:36

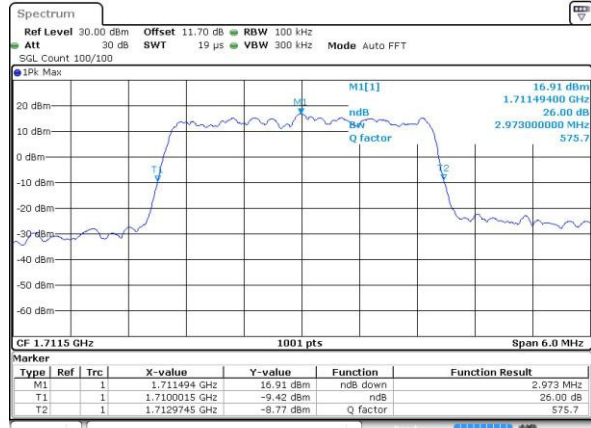


LTE Band 66

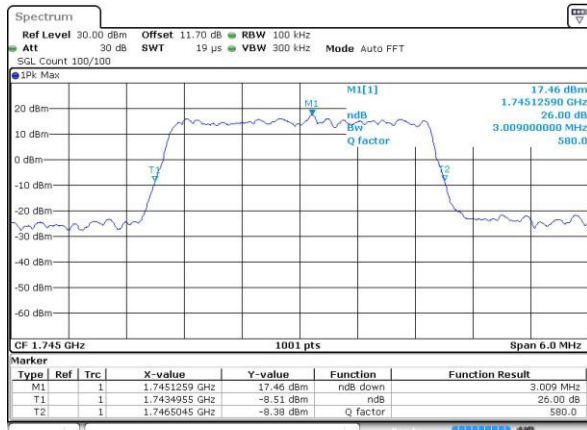
Lowest Channel / 3MHz / QPSK



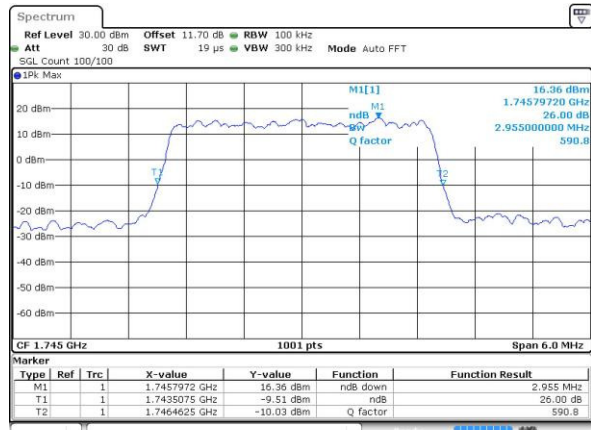
Lowest Channel / 3MHz / 16QAM



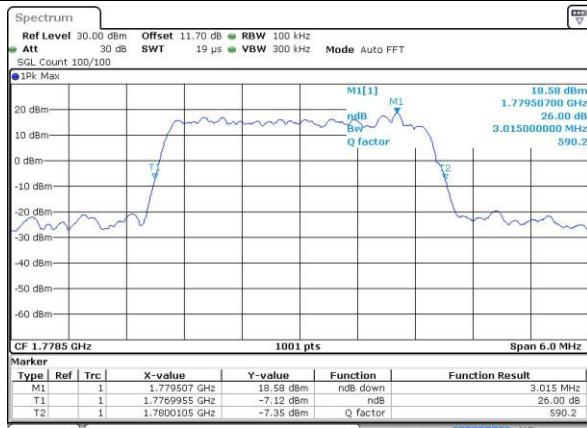
Middle Channel / 3MHz / QPSK



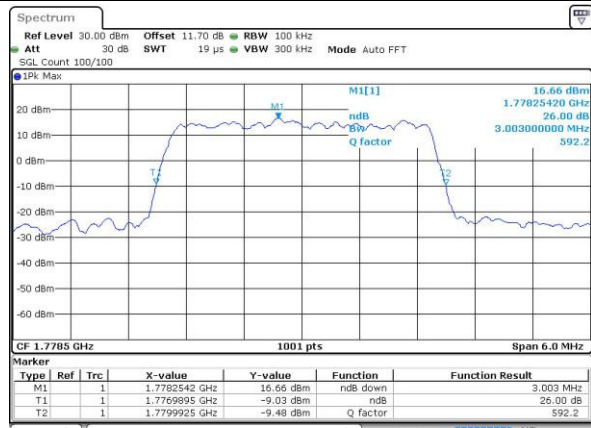
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



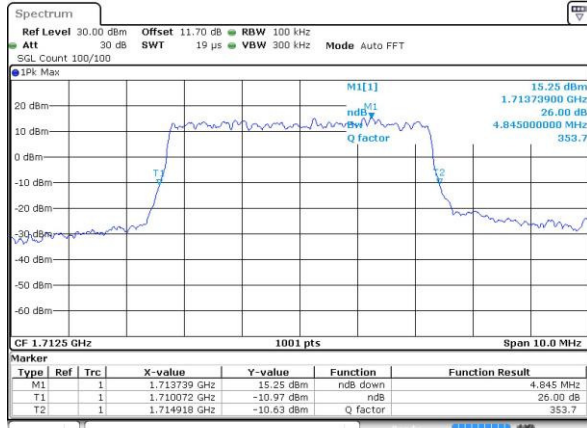
Highest Channel / 3MHz / 16QAM





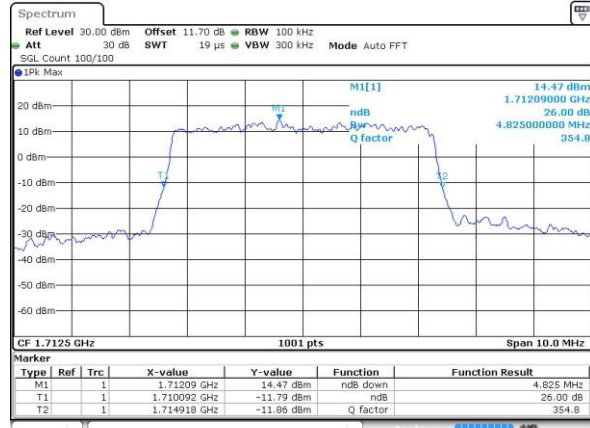
LTE Band 66

Lowest Channel / 5MHz / QPSK



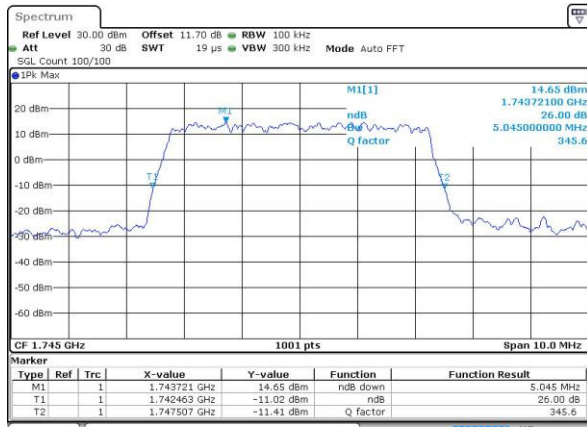
Date: 20 FEB 2017 14:29:15

Lowest Channel / 5MHz / 16QAM



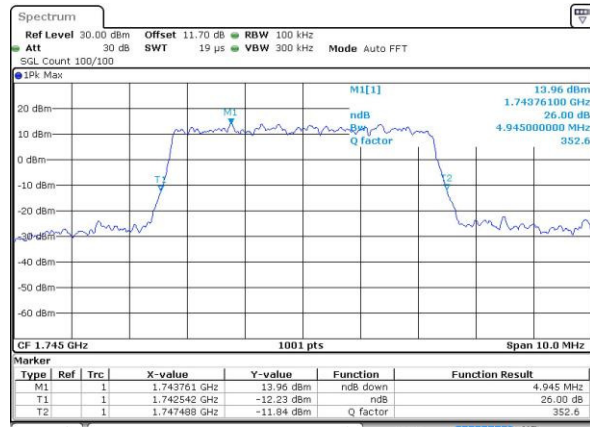
Date: 20 FEB 2017 14:29:25

Middle Channel / 5MHz / QPSK



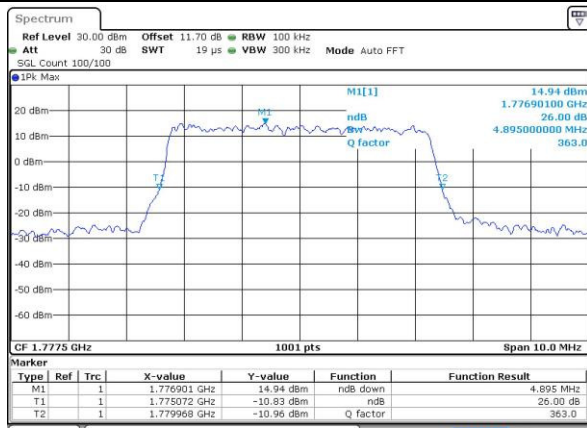
Date: 20 FEB 2017 14:38:23

Middle Channel / 5MHz / 16QAM



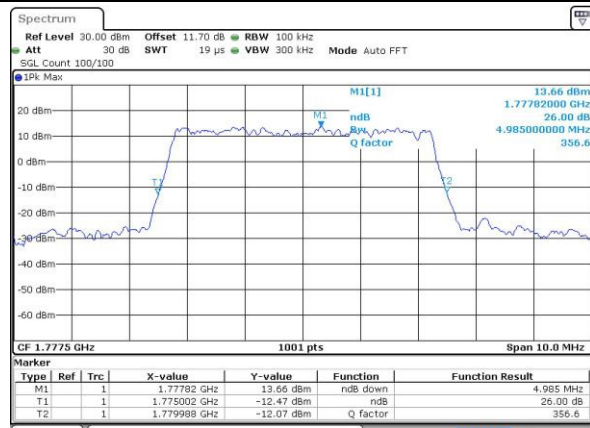
Date: 20 FEB 2017 14:38:34

Highest Channel / 5MHz / QPSK



Date: 20 FEB 2017 14:38:55

Highest Channel / 5MHz / 16QAM

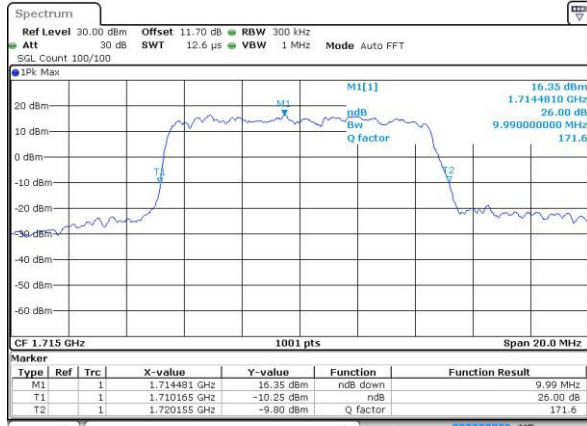


Date: 20 FEB 2017 14:39:05



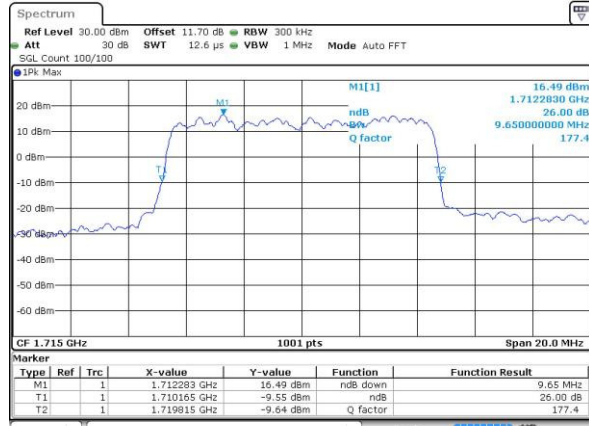
LTE Band 66

Lowest Channel / 10MHz / QPSK



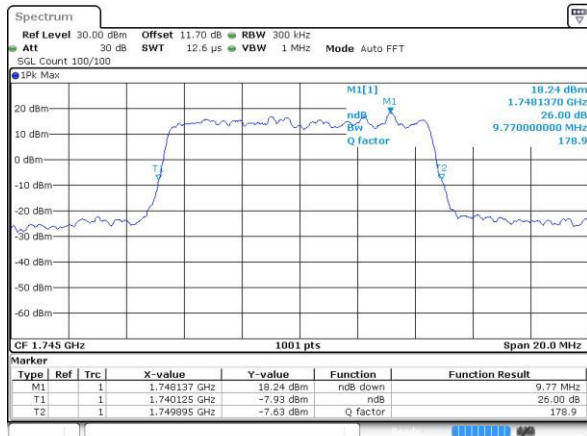
Date: 20 FEB 2017 14:46:03

Lowest Channel / 10MHz / 16QAM



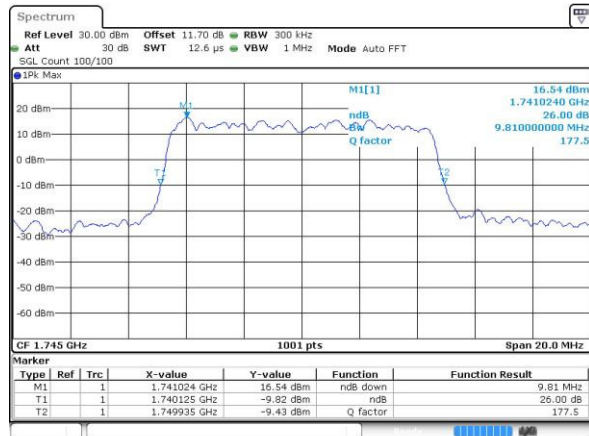
Date: 20 FEB 2017 14:46:13

Middle Channel / 10MHz / QPSK



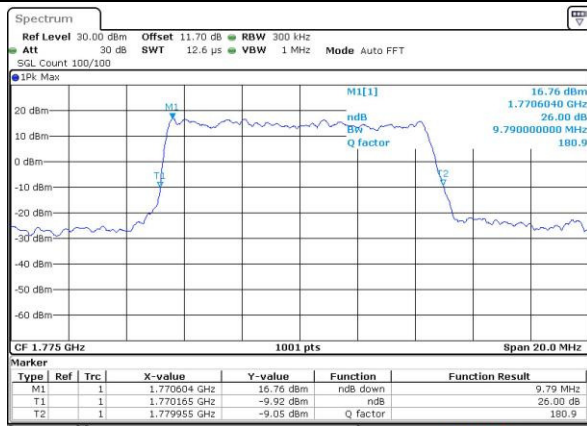
Date: 20 FEB 2017 14:53:11

Middle Channel / 10MHz / 16QAM



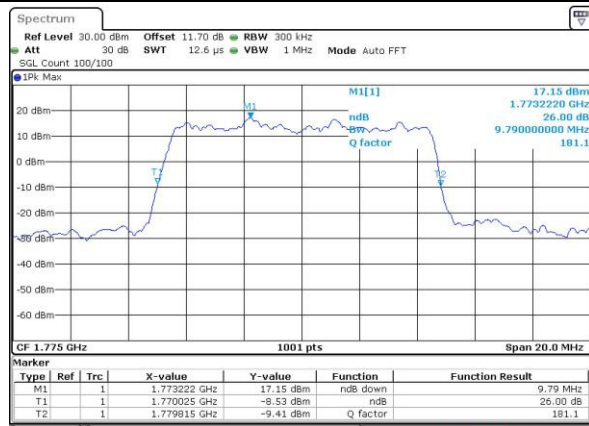
Date: 20 FEB 2017 14:53:21

Highest Channel / 10MHz / QPSK



Date: 20 FEB 2017 14:55:42

Highest Channel / 10MHz / 16QAM

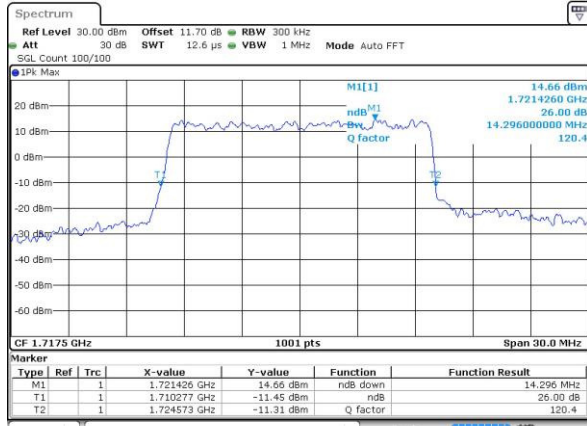


Date: 20 FEB 2017 14:55:53

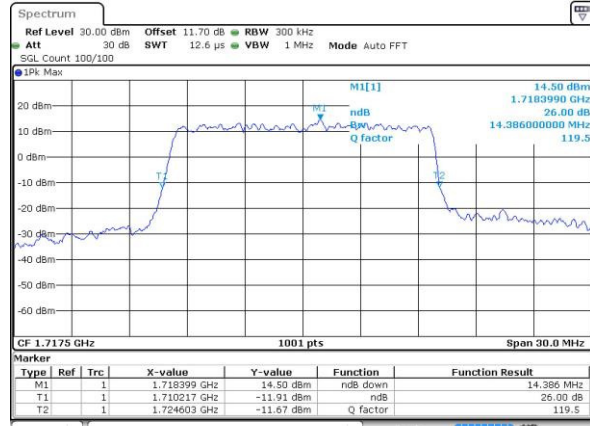


LTE Band 66

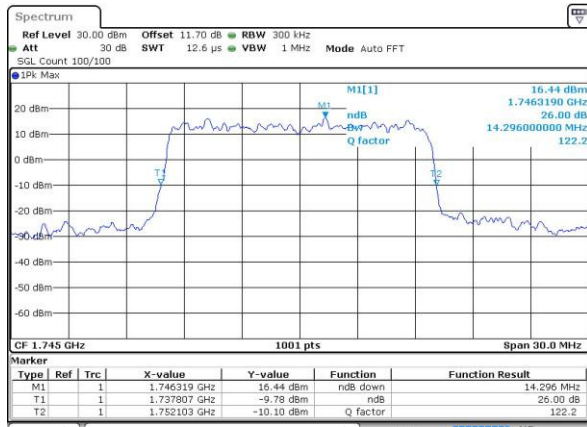
Lowest Channel / 15MHz / QPSK



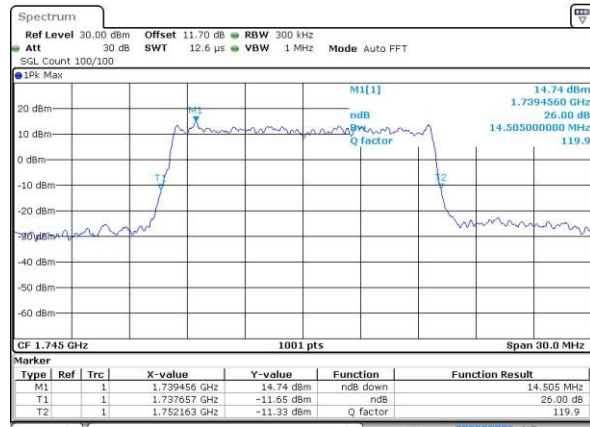
Lowest Channel / 15MHz / 16QAM



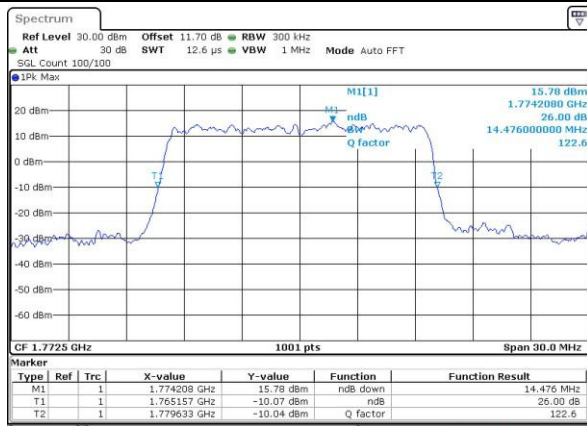
Middle Channel / 15MHz / QPSK



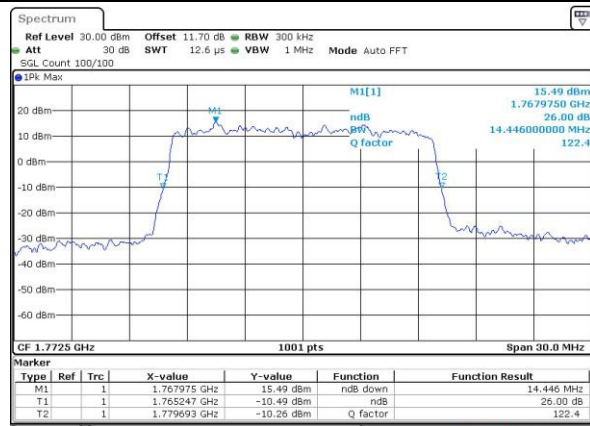
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



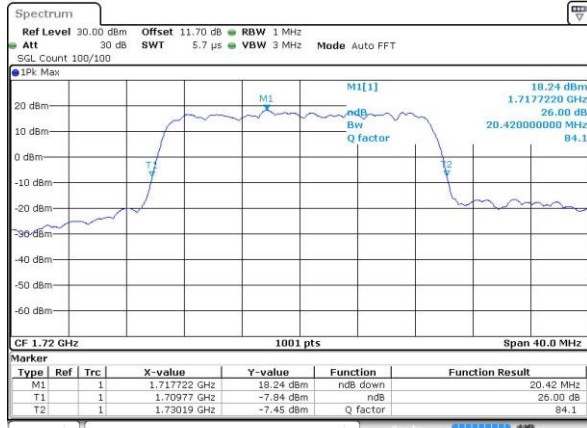
Highest Channel / 15MHz / 16QAM





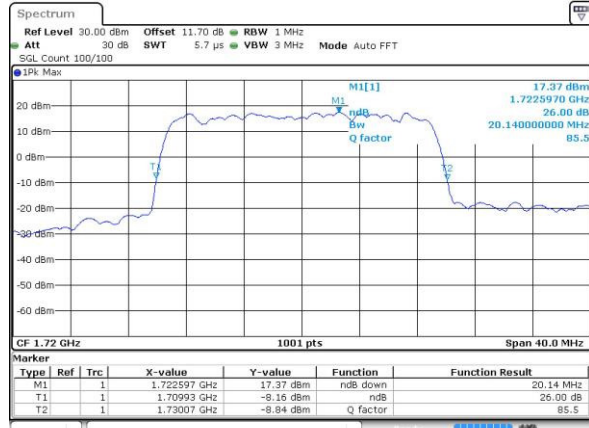
LTE Band 66

Lowest Channel / 20MHz / QPSK



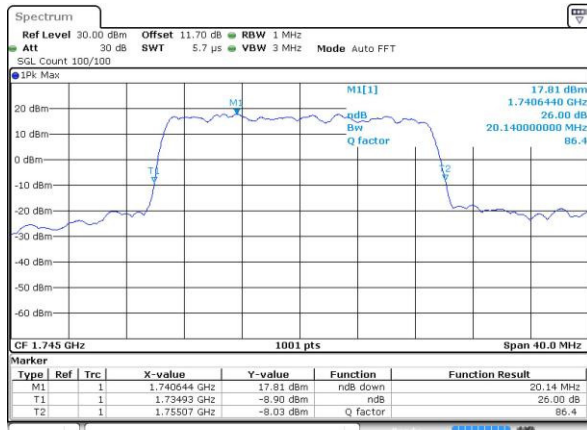
Date: 20 FEB 2017 15:29:57

Lowest Channel / 20MHz / 16QAM



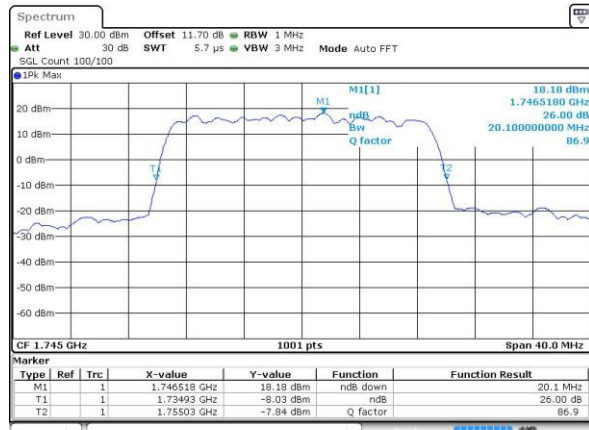
Date: 20 FEB 2017 15:30:07

Middle Channel / 20MHz / QPSK



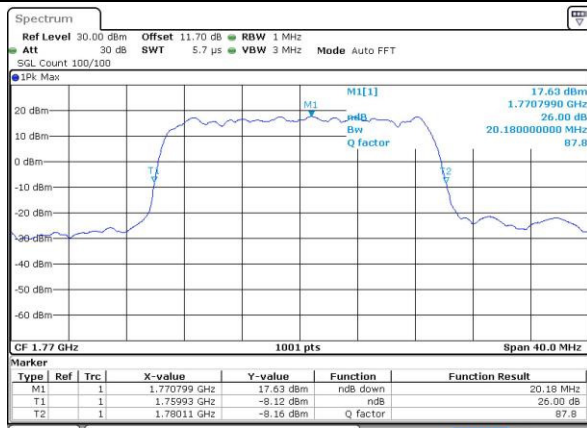
Date: 20 FEB 2017 15:37:05

Middle Channel / 20MHz / 16QAM



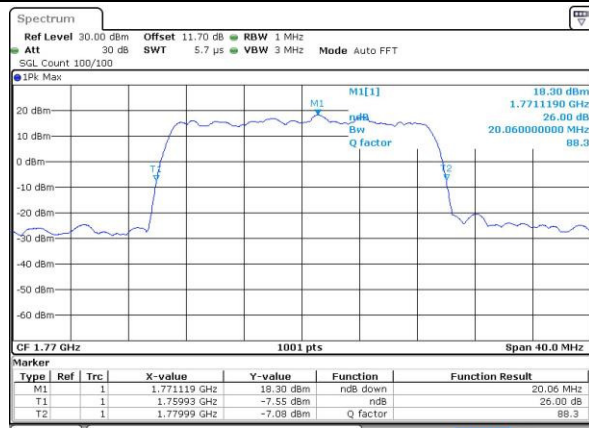
Date: 20 FEB 2017 15:37:15

Highest Channel / 20MHz / QPSK



Date: 20 FEB 2017 15:39:37

Highest Channel / 20MHz / 16QAM



Date: 20 FEB 2017 15:39:47

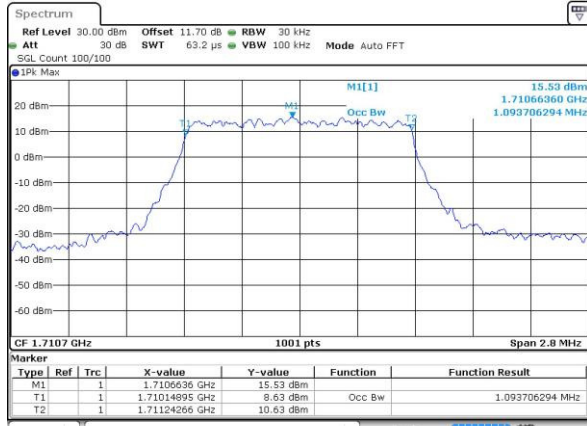
**Occupied Bandwidth**

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	2.74	2.72	4.5	4.49	9.07	9.03	13.37	13.4	18.46	18.42
Middle CH	1.09	1.09	2.7	2.72	4.49	4.48	9.03	9.03	13.37	13.43	18.42	18.3
Highest CH	1.09	1.1	2.71	2.72	4.49	4.48	9.03	9.03	13.4	13.43	18.5	18.34

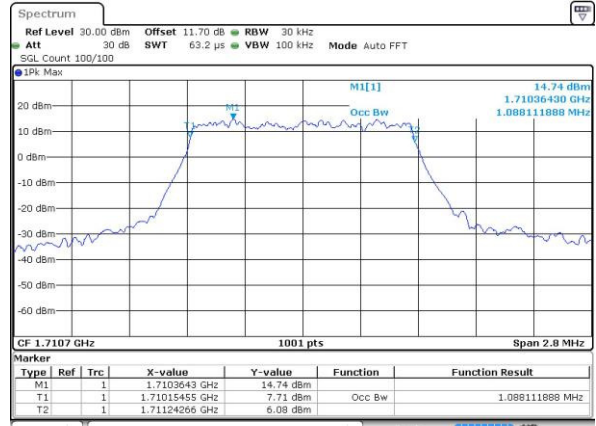


LTE Band 66

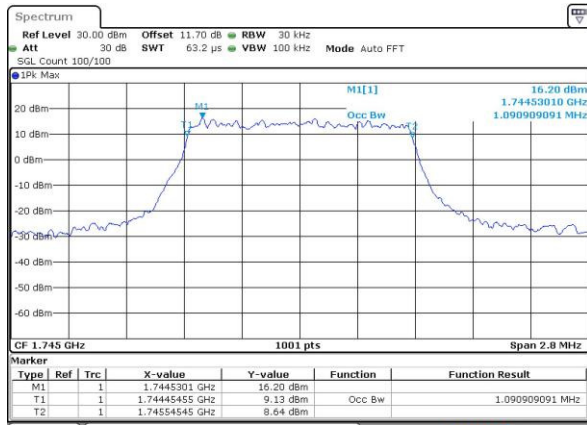
Lowest Channel / 1.4MHz / QPSK



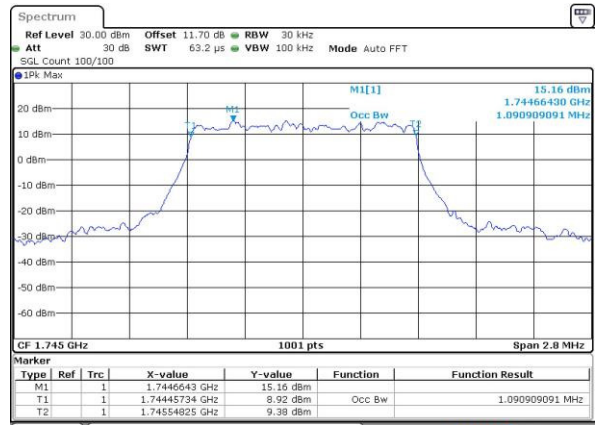
Lowest Channel / 1.4MHz / 16QAM



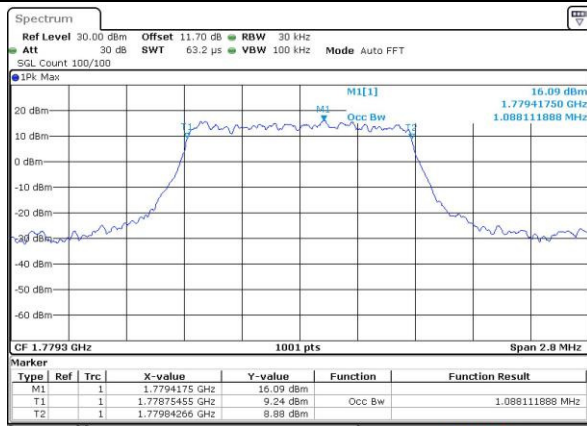
Middle Channel / 1.4MHz / QPSK



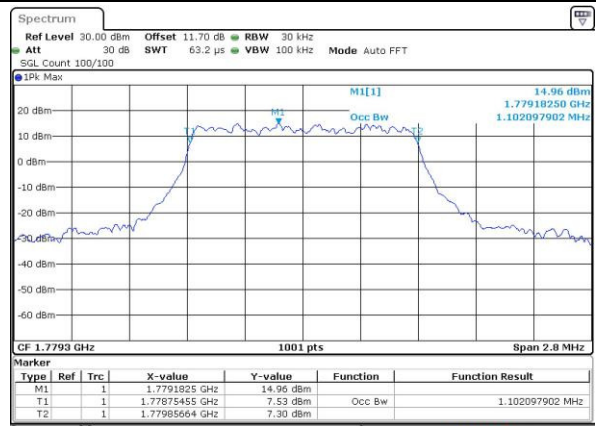
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



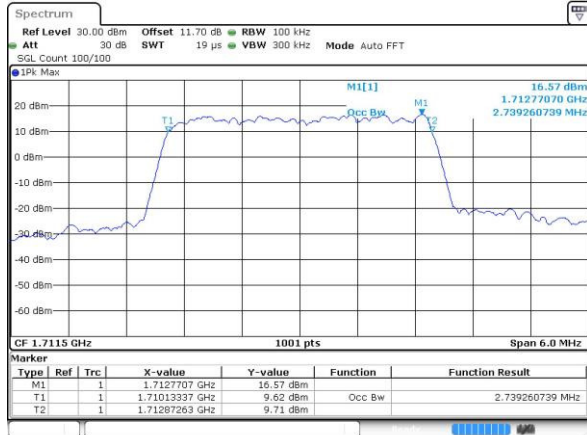
Highest Channel / 1.4MHz / 16QAM





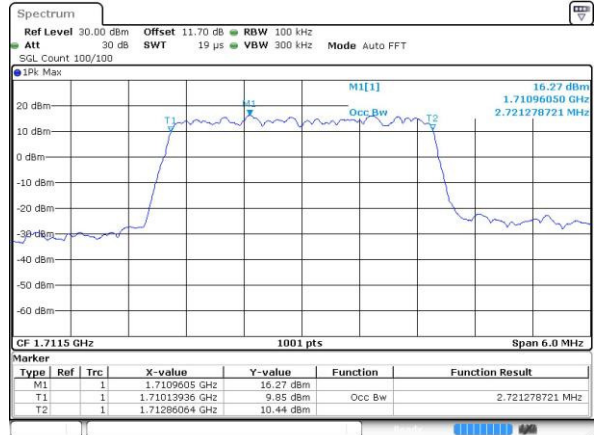
LTE Band 66

Lowest Channel / 3MHz / QPSK



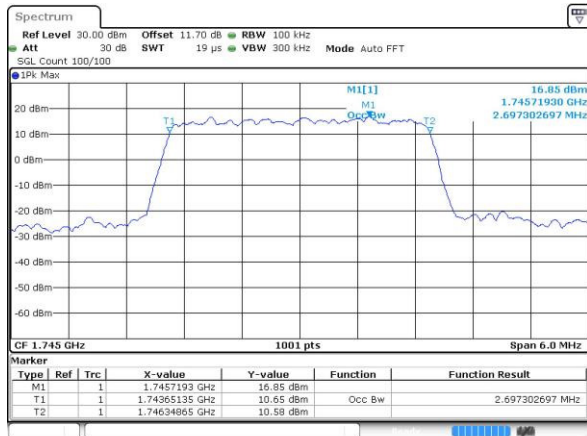
Date: 20 FEB 2017 14:12:07

Lowest Channel / 3MHz / 16QAM



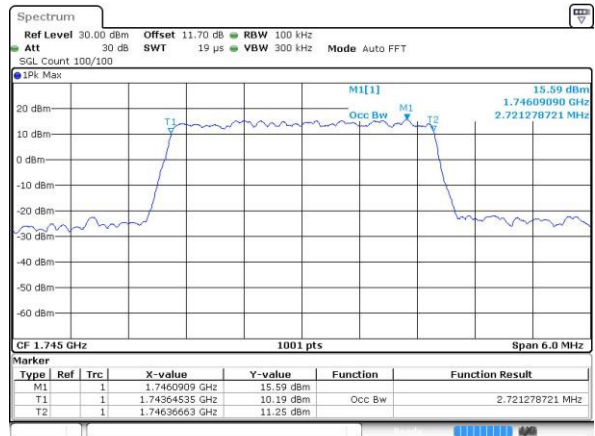
Date: 20 FEB 2017 14:12:17

Middle Channel / 3MHz / QPSK



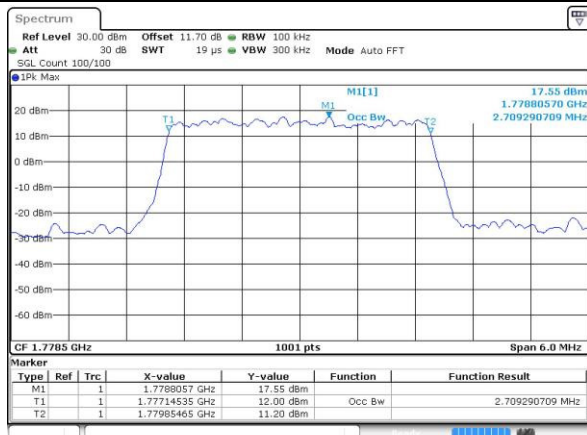
Date: 20 FEB 2017 14:19:15

Middle Channel / 3MHz / 16QAM



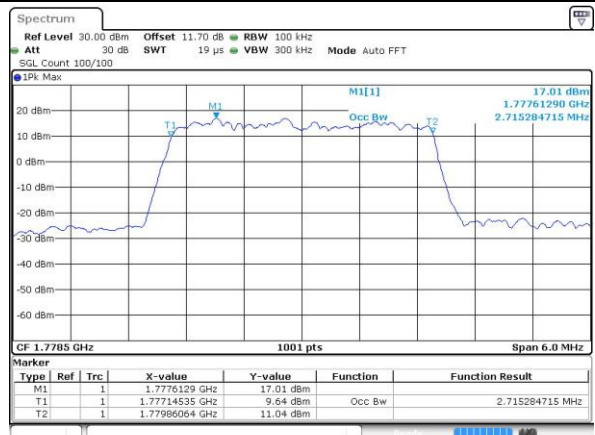
Date: 20 FEB 2017 14:19:25

Highest Channel / 3MHz / QPSK



Date: 20 FEB 2017 14:21:47

Highest Channel / 3MHz / 16QAM

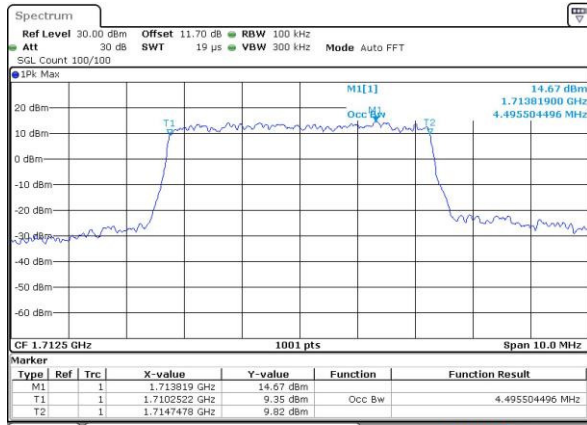


Date: 20 FEB 2017 14:21:57



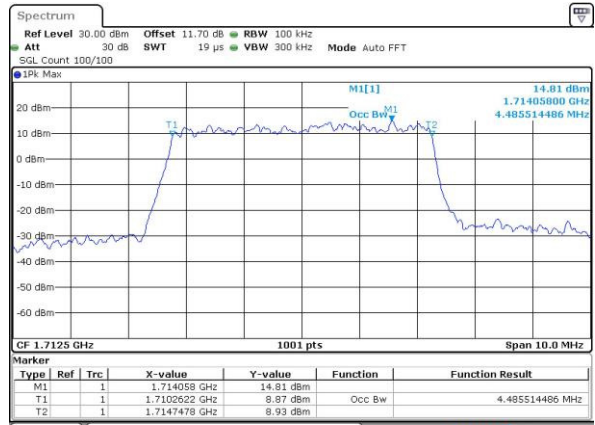
LTE Band 66

Lowest Channel / 5MHz / QPSK



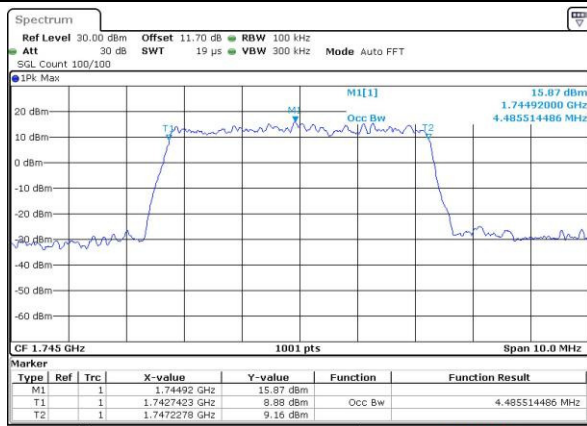
Date: 20 FEB 2017 14:28:54

Lowest Channel / 5MHz / 16QAM



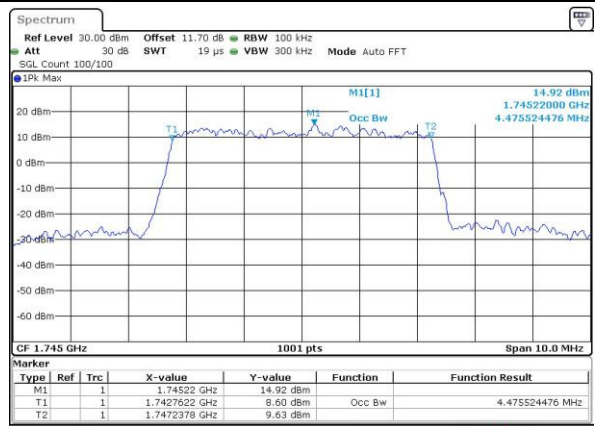
Date: 20 FEB 2017 14:29:05

Middle Channel / 5MHz / QPSK



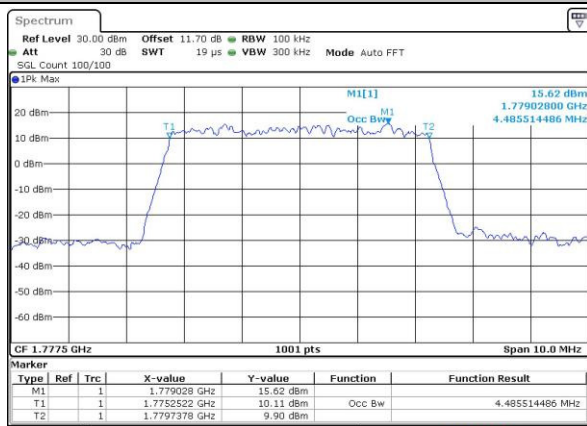
Date: 20 FEB 2017 14:36:03

Middle Channel / 5MHz / 16QAM



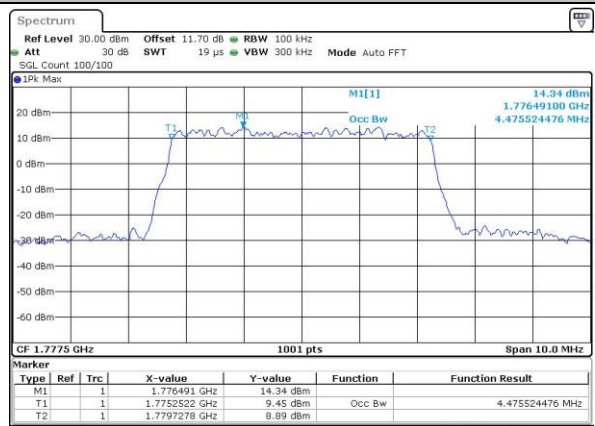
Date: 20 FEB 2017 14:36:13

Highest Channel / 5MHz / QPSK



Date: 20 FEB 2017 14:38:34

Highest Channel / 5MHz / 16QAM

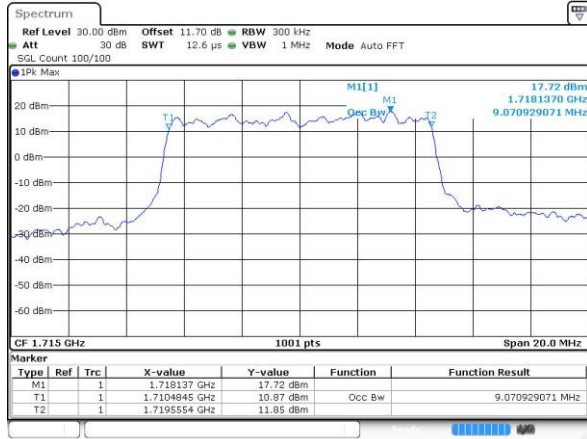


Date: 20 FEB 2017 14:38:45

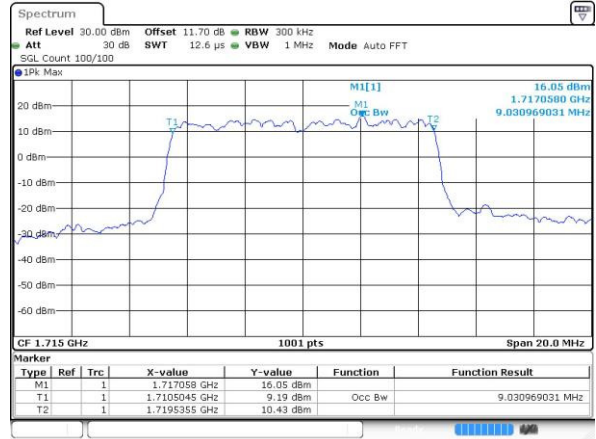


LTE Band 66

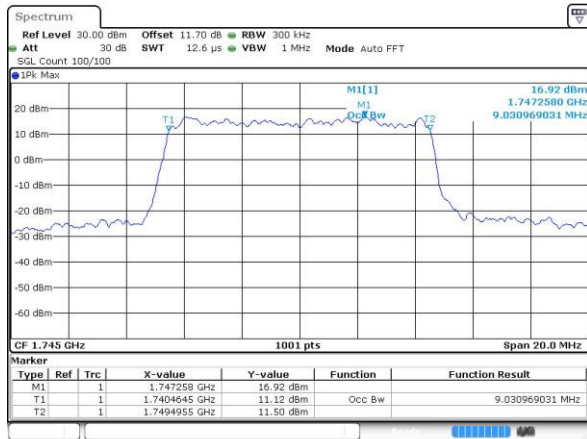
Lowest Channel / 10MHz / QPSK



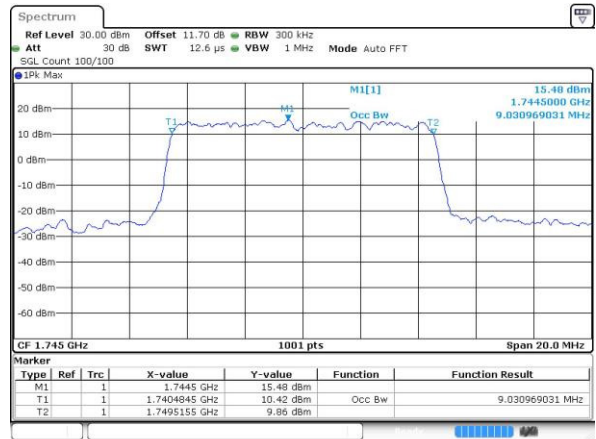
Lowest Channel / 10MHz / 16QAM



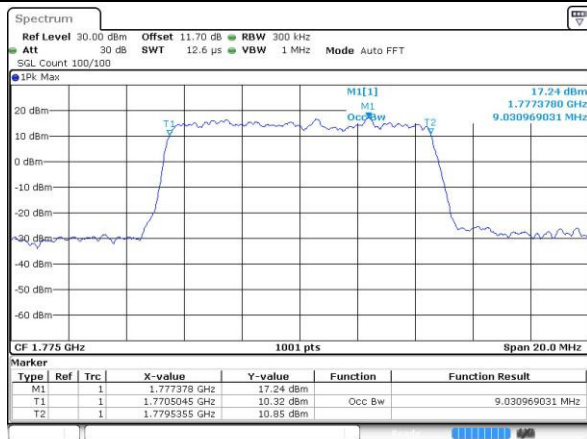
Middle Channel / 10MHz / QPSK



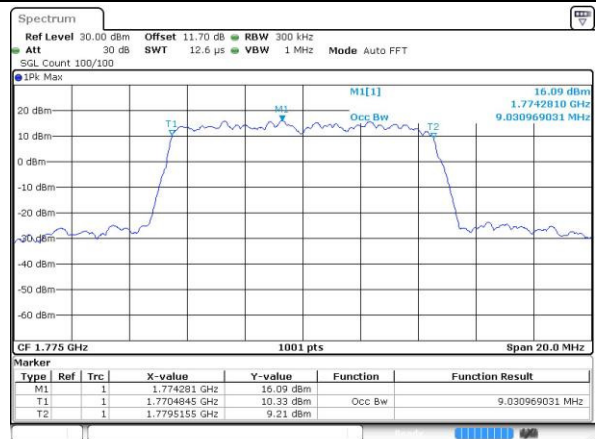
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



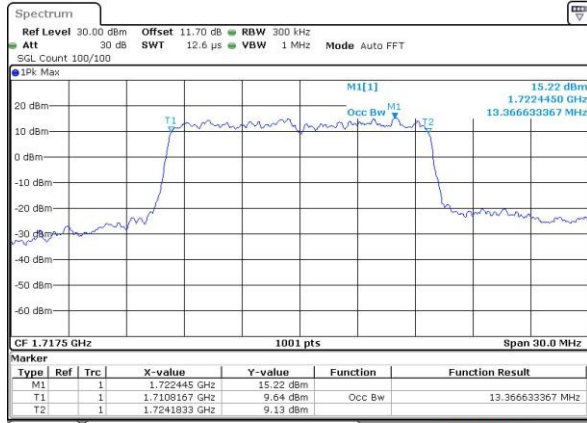
Highest Channel / 10MHz / 16QAM





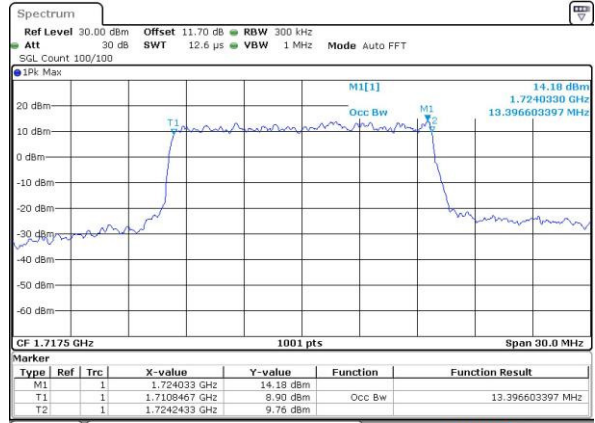
LTE Band 66

Lowest Channel / 15MHz / QPSK



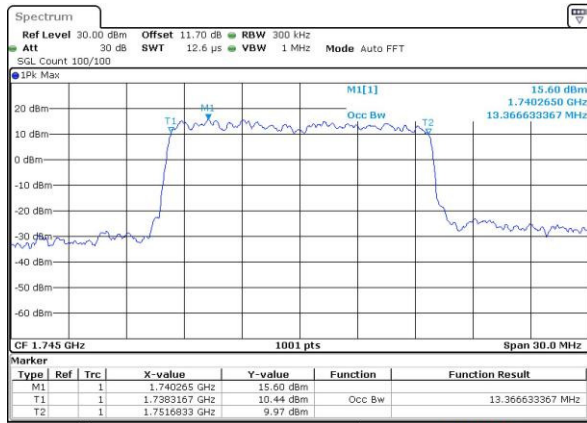
Date: 20 FEB 2017 15:12:48

Lowest Channel / 15MHz / 16QAM



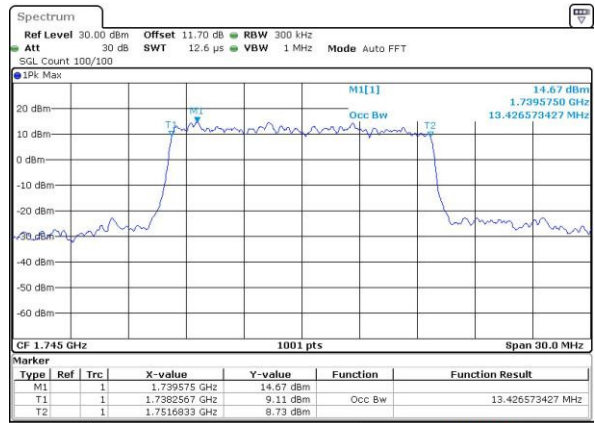
Date: 20 FEB 2017 15:12:58

Middle Channel / 15MHz / QPSK



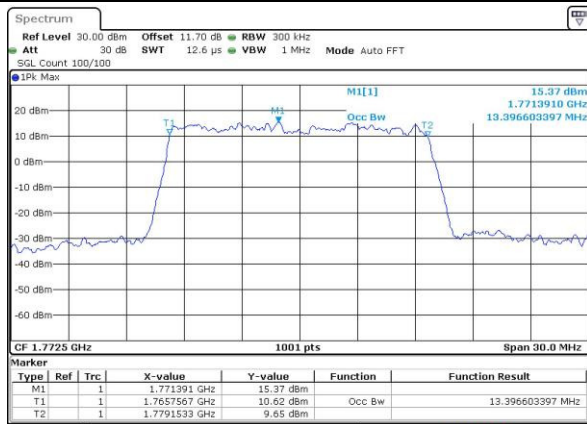
Date: 20 FEB 2017 15:19:56

Middle Channel / 15MHz / 16QAM



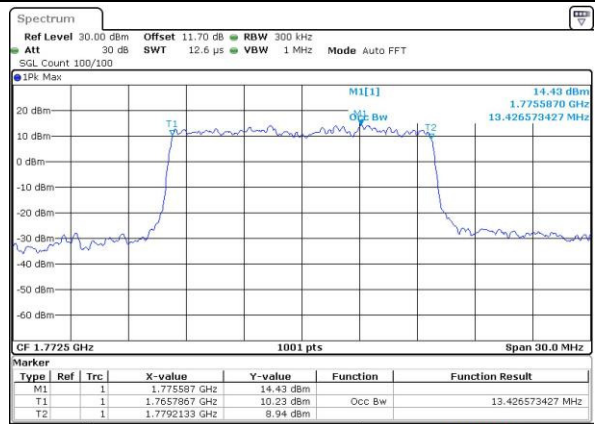
Date: 20 FEB 2017 15:20:07

Highest Channel / 15MHz / QPSK



Date: 20 FEB 2017 15:22:28

Highest Channel / 15MHz / 16QAM

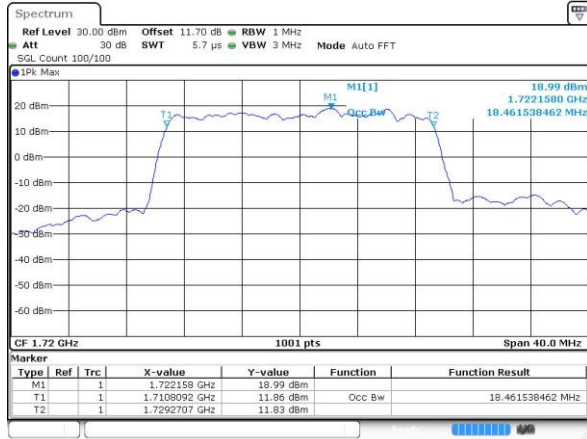


Date: 20 FEB 2017 15:22:39

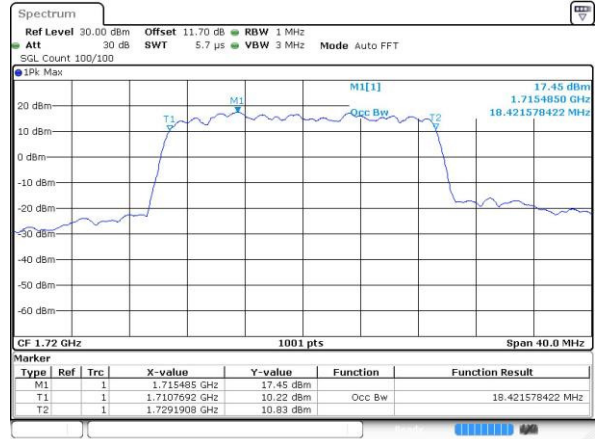


LTE Band 66

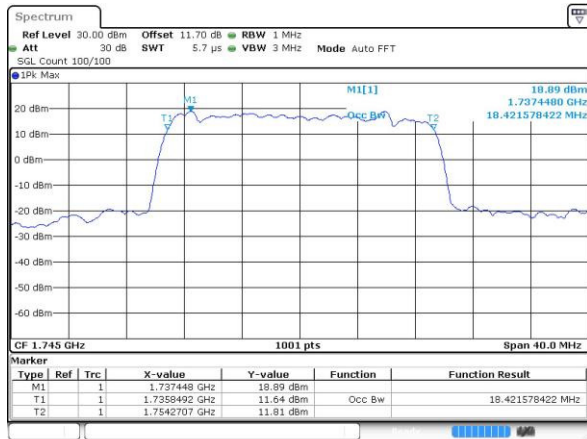
Lowest Channel / 20MHz / QPSK



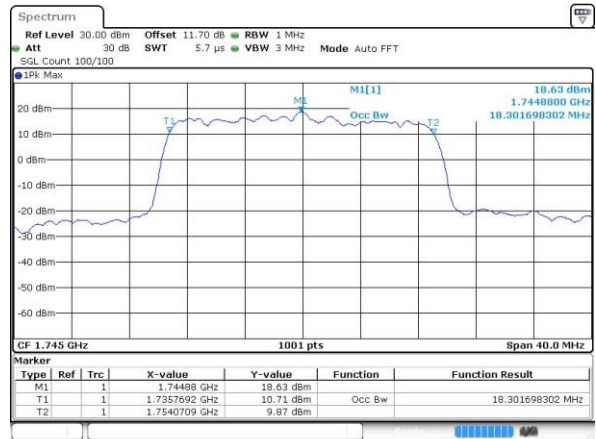
Lowest Channel / 20MHz / 16QAM



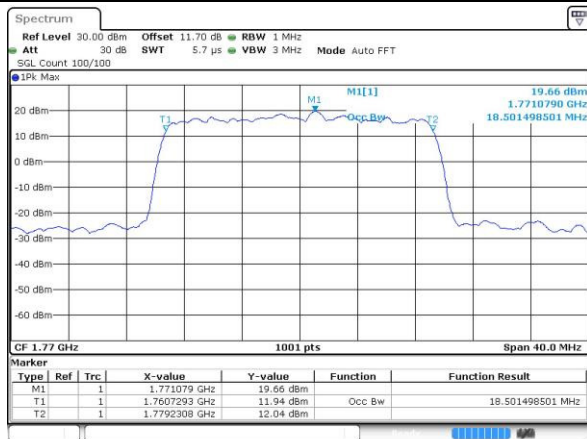
Middle Channel / 20MHz / QPSK



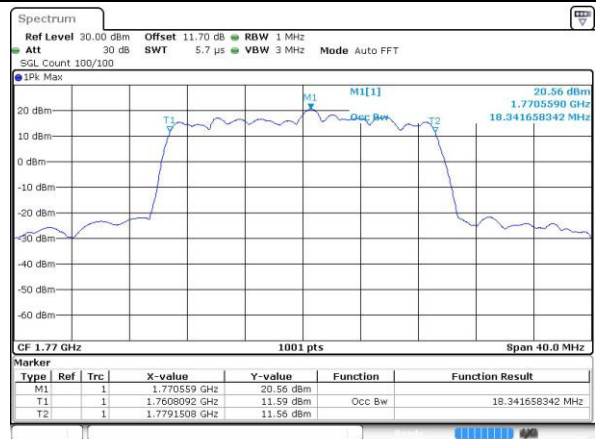
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



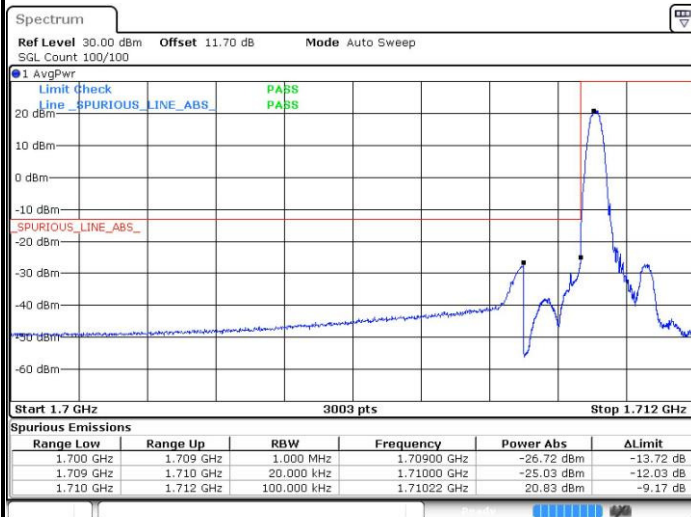


Conducted Band Edge

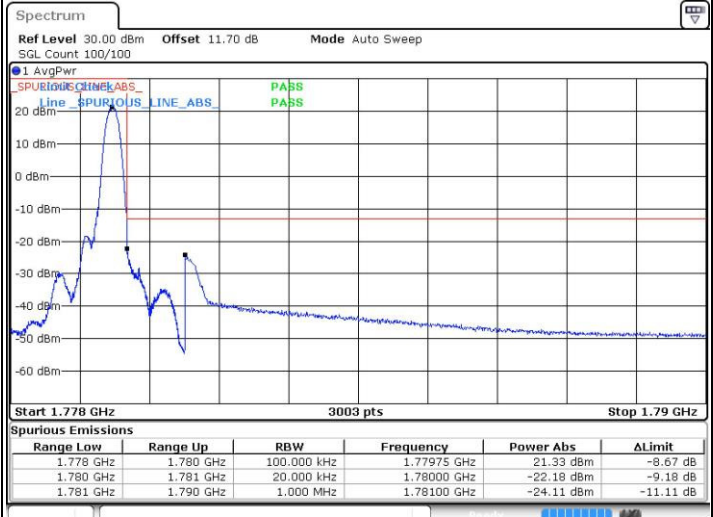


LTE Band 66 / 1.4MHz / QPSK

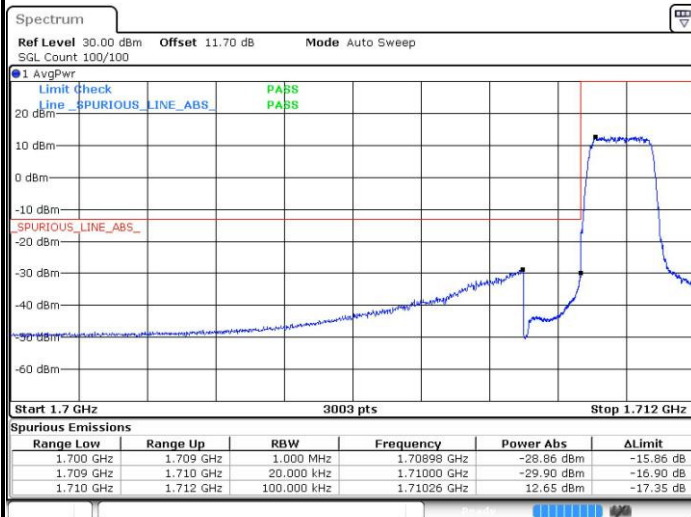
Lowest Band Edge / 1RB



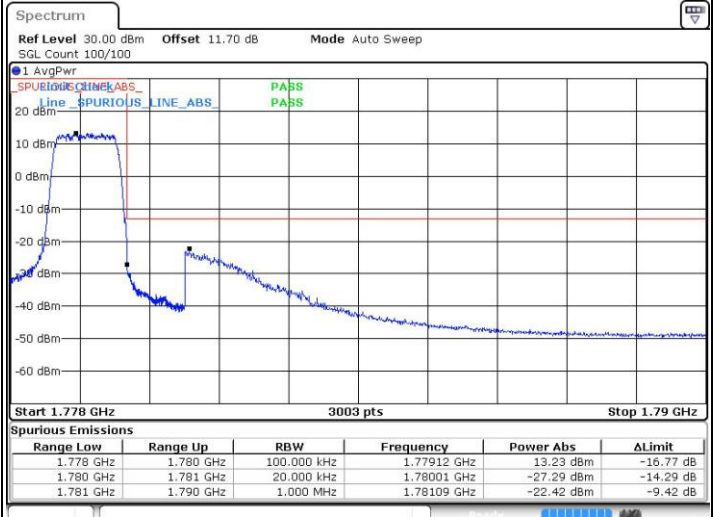
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



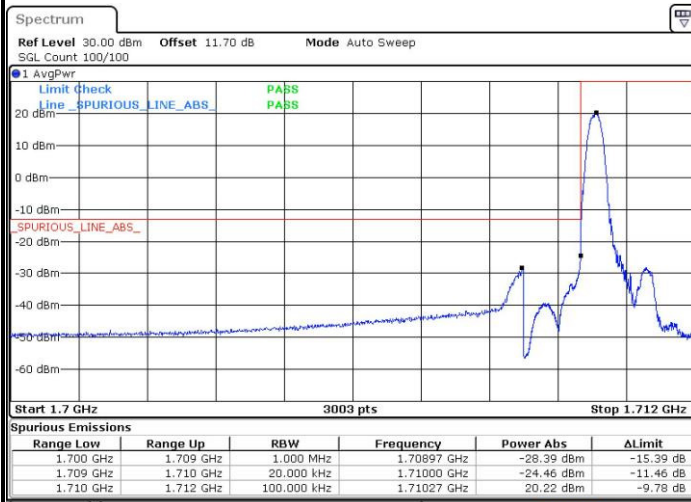
Highest Band Edge / Full RB



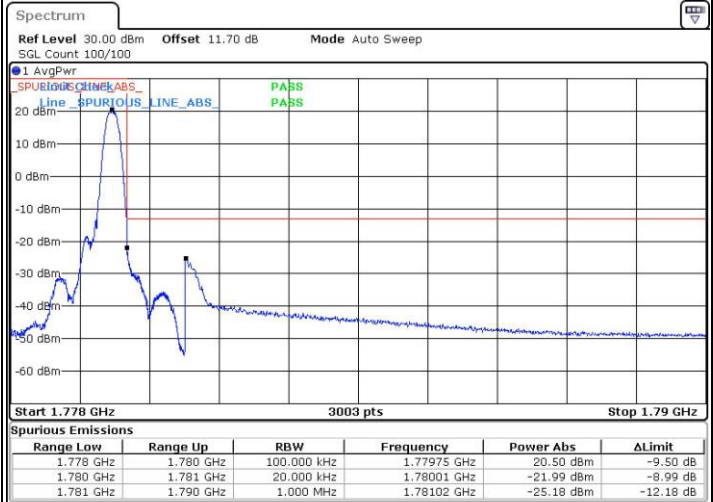


LTE Band 66 / 1.4MHz / 16QAM

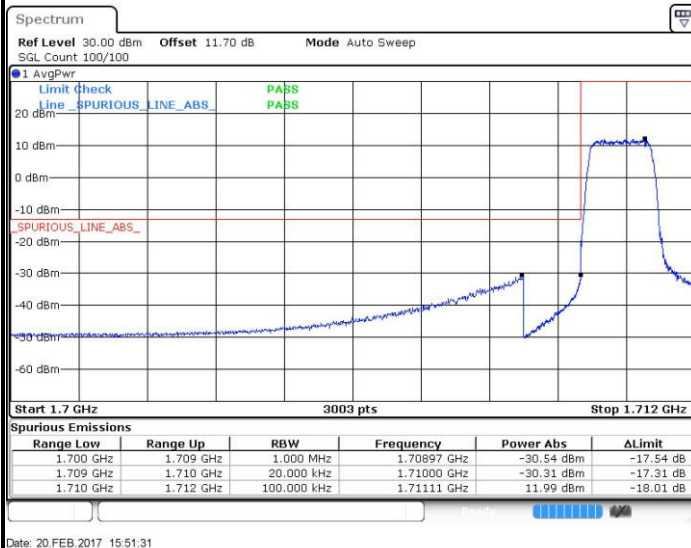
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

