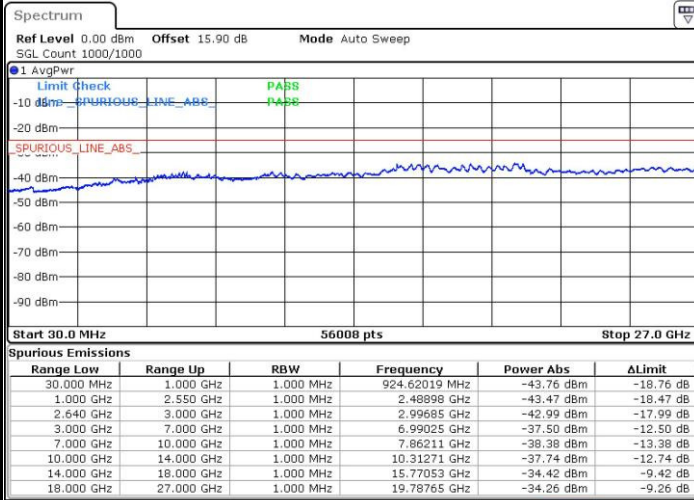




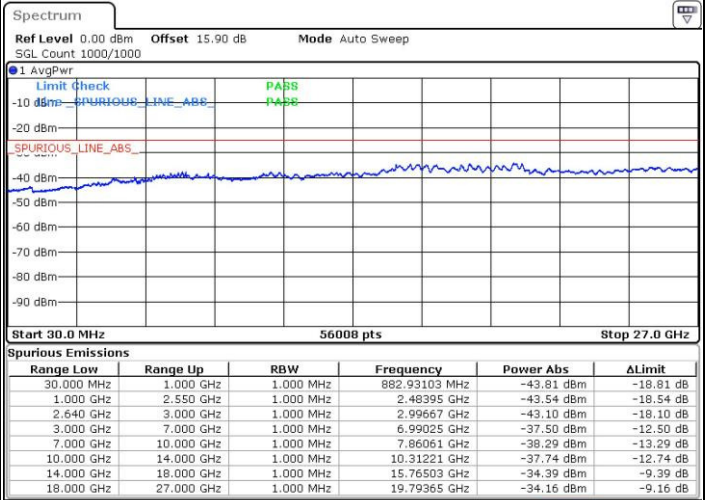
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 1.MAR.2017 13:52:55

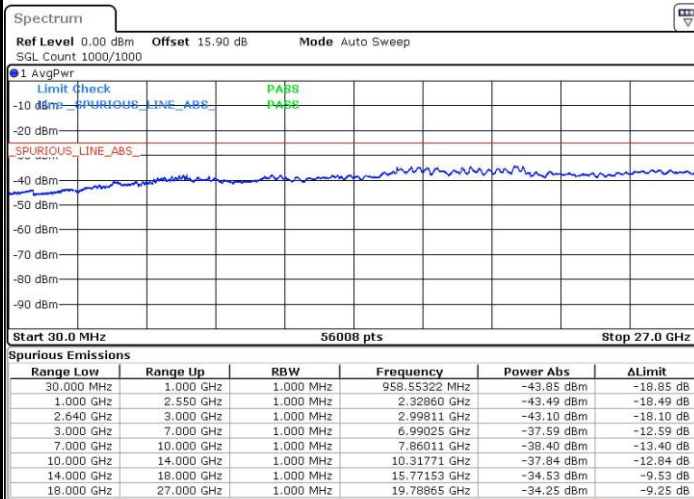
Highest Channel / 16QAM



Date: 1.MAR.2017 13:45:47

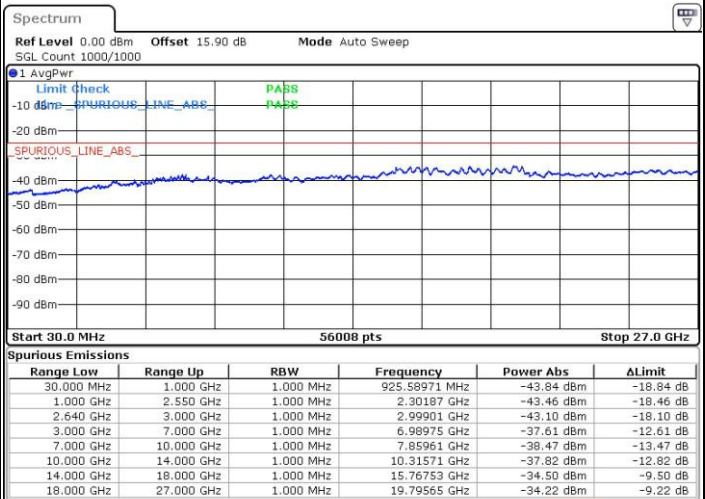
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 1.MAR.2017 13:59:47

Lowest Channel / 16QAM

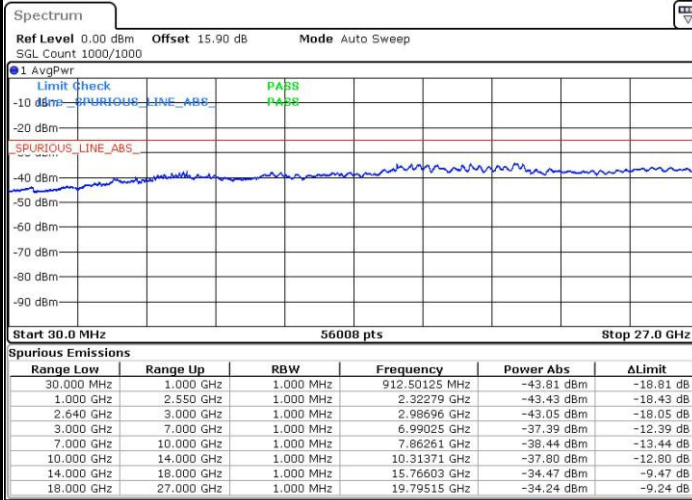


Date: 1.MAR.2017 14:07:16



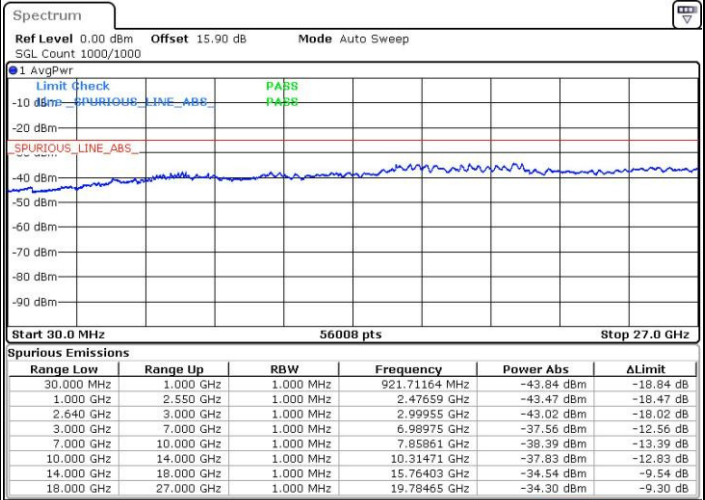
LTE Band 38 / 10MHz

Middle Channel / QPSK



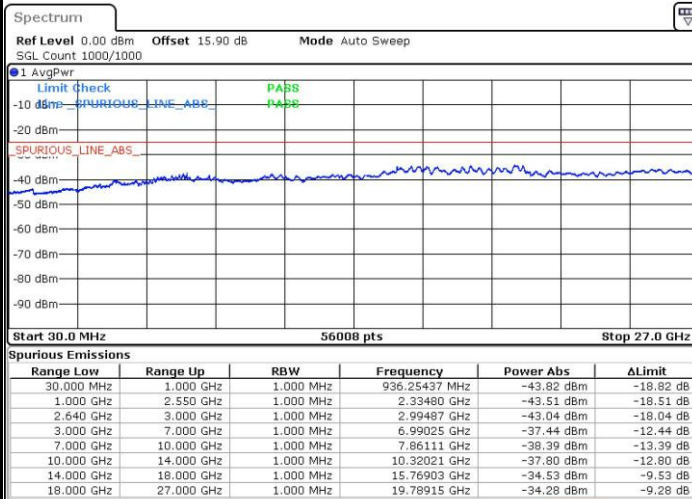
Date: 1.MAR.2017 14:34:38

Middle Channel / 16QAM



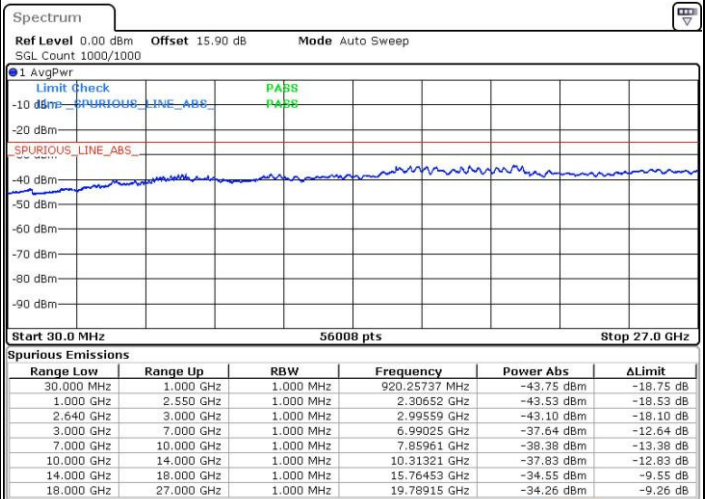
Date: 1.MAR.2017 14:14:48

Highest Channel / QPSK



Date: 1.MAR.2017 14:42:01

Highest Channel / 16QAM

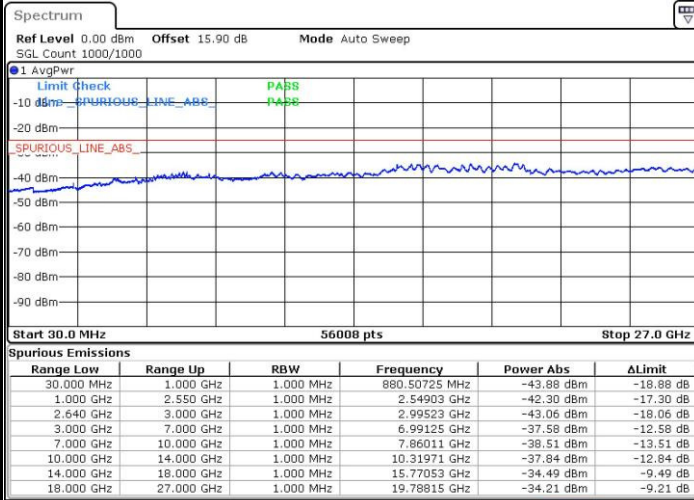


Date: 1.MAR.2017 14:53:50



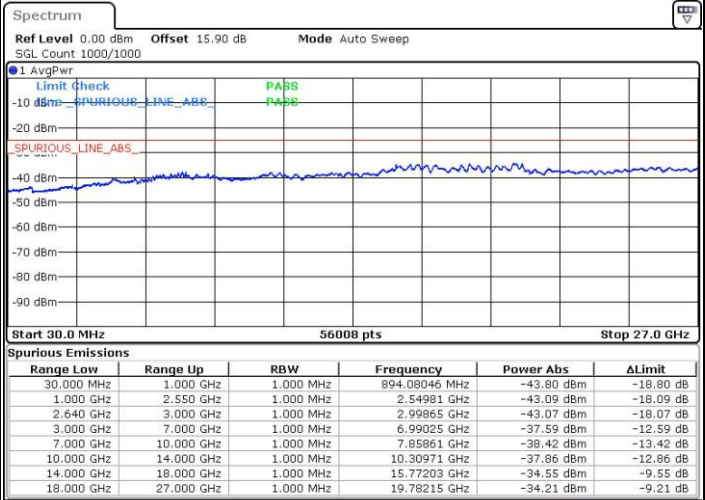
LTE Band 38 / 15MHz

Lowest Channel / QPSK



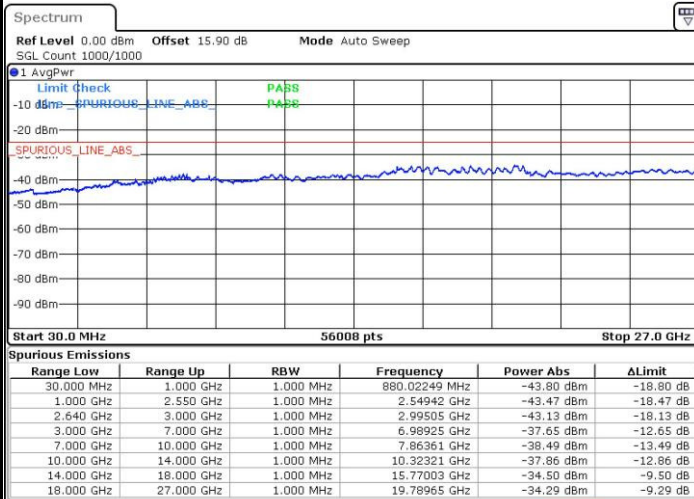
Date: 1.MAR.2017 15:08:25

Lowest Channel / 16QAM



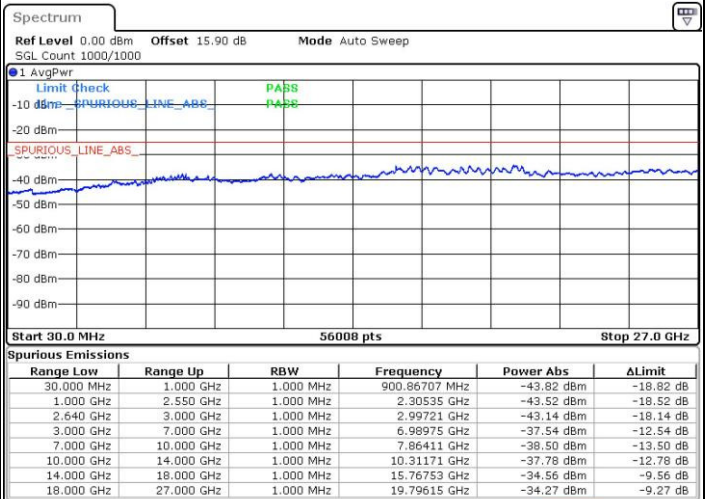
Date: 1.MAR.2017 15:02:08

Middle Channel / QPSK



Date: 1.MAR.2017 15:15:29

Middle Channel / 16QAM

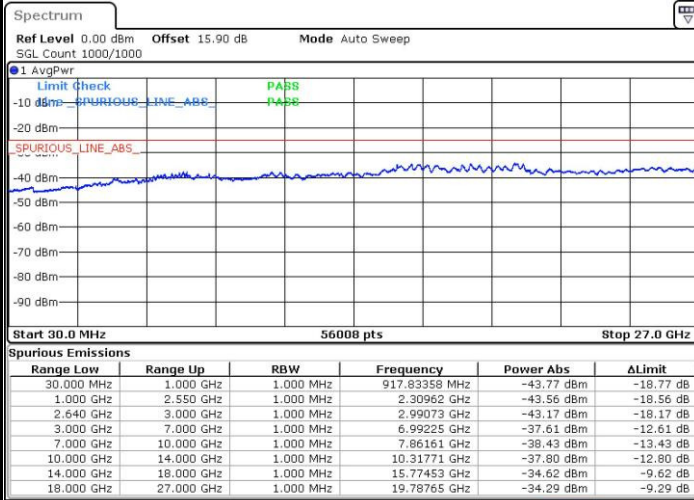


Date: 1.MAR.2017 15:22:18



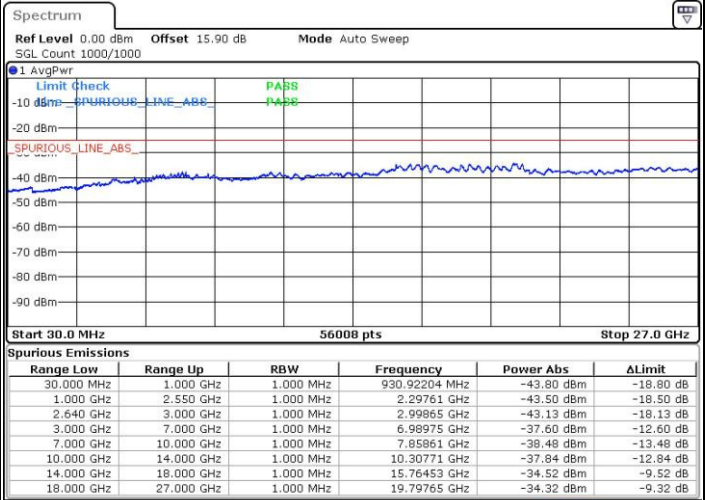
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 1.MAR.2017 15:36:00

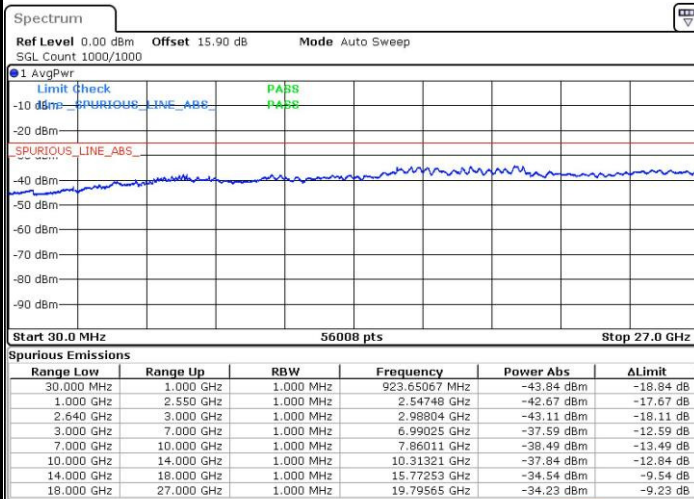
Highest Channel / 16QAM



Date: 1.MAR.2017 15:29:43

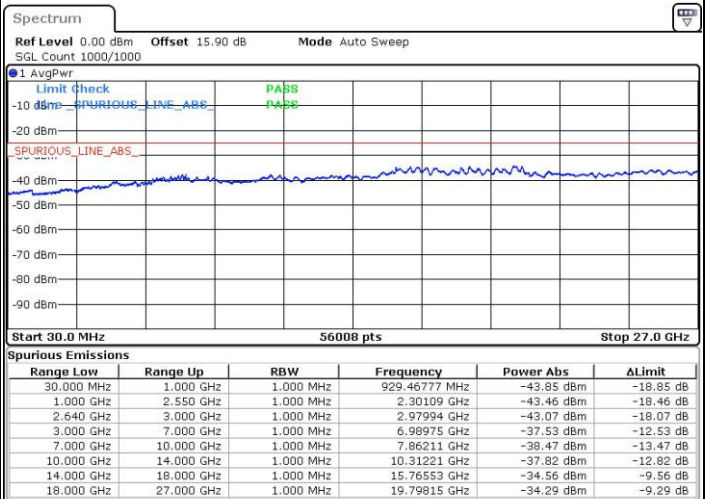
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 1.MAR.2017 15:42:21

Lowest Channel / 16QAM

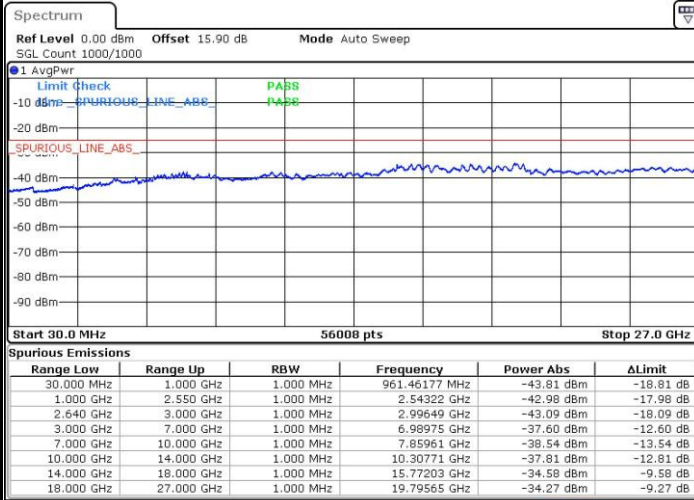


Date: 1.MAR.2017 15:48:40



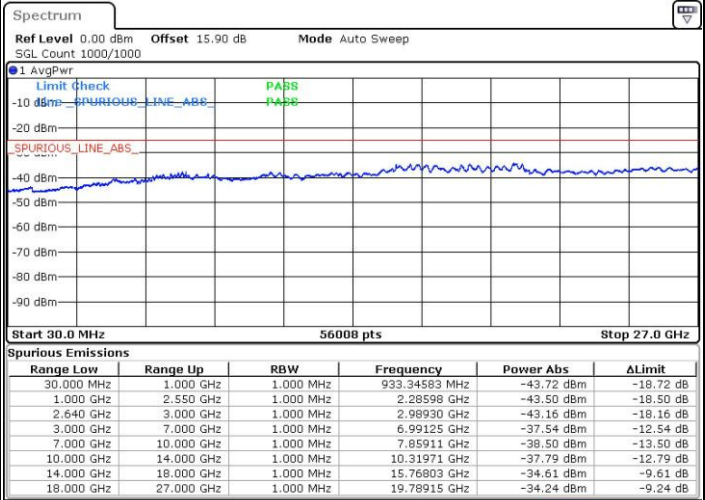
LTE Band 38 / 20MHz

Middle Channel / QPSK



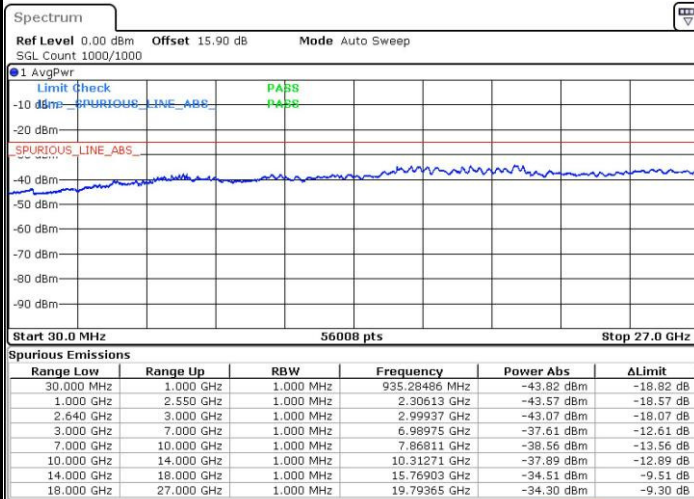
Date: 1.MAR.2017 16:02:41

Middle Channel / 16QAM



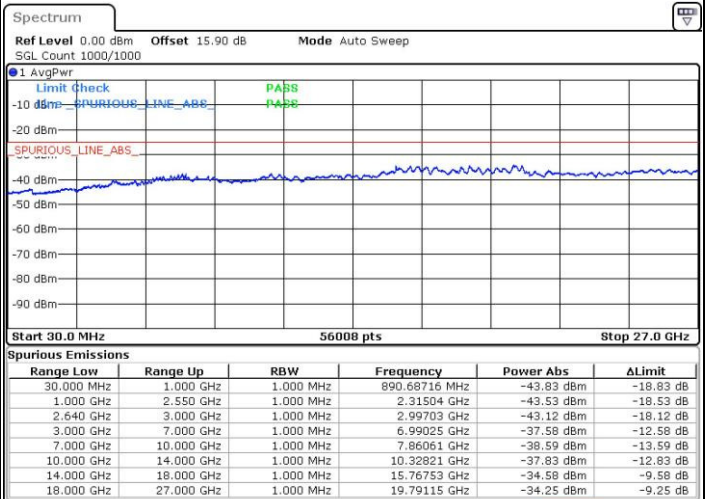
Date: 1.MAR.2017 15:55:00

Highest Channel / QPSK



Date: 1.MAR.2017 16:09:36

Highest Channel / 16QAM



Date: 1.MAR.2017 16:15:55

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0017	
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 41

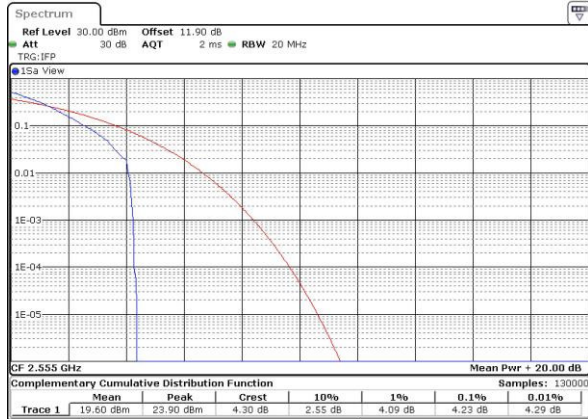
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.23	4.75	5.19	5.77	PASS
Middle CH	4.93	5.07	5.54	6.09	
Highest CH	4.84	5.1	5.45	6.09	

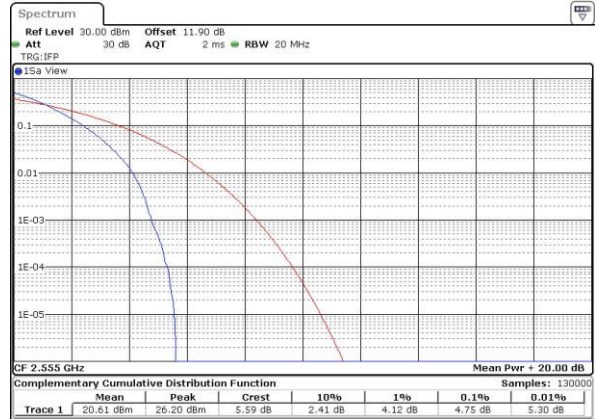


LTE Band 41 / 20MHz / QPSK

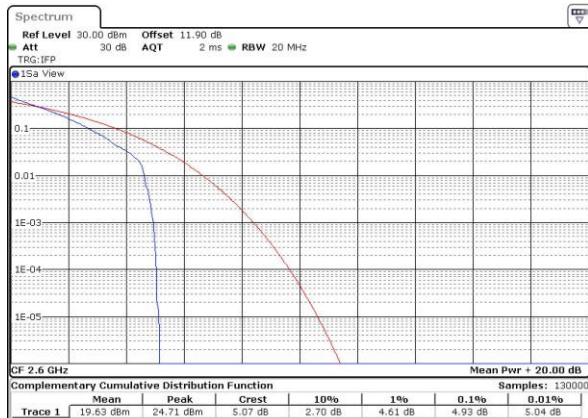
Lowest Channel / 1RB



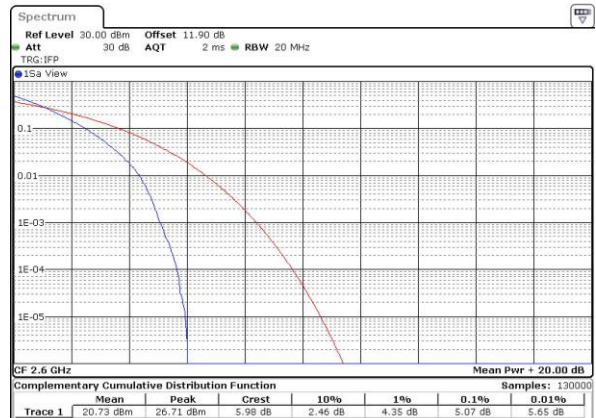
Lowest Channel / Full RB



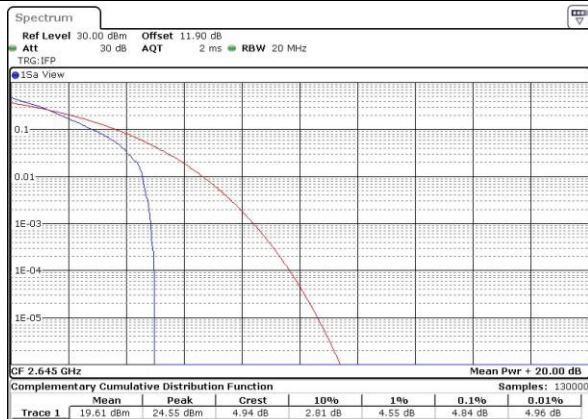
Middle Channel / 1RB



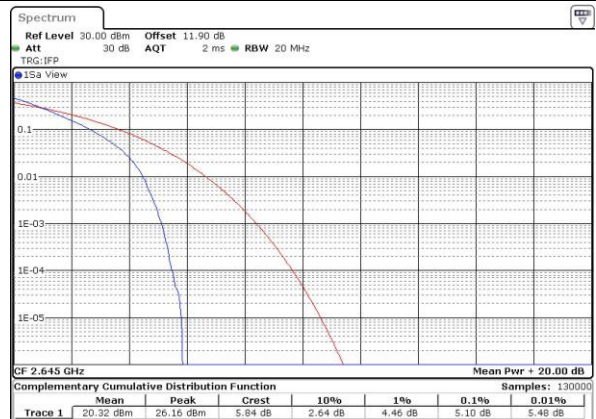
Middle Channel / Full RB

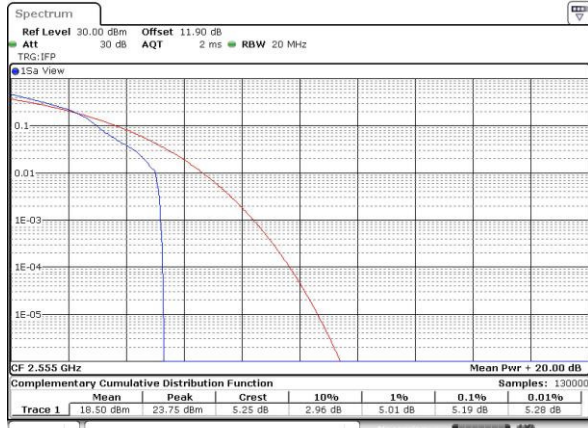


Highest Channel / 1RB

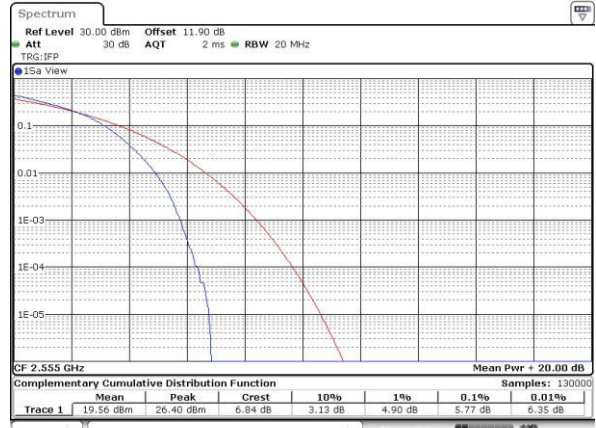


Highest Channel / Full RB

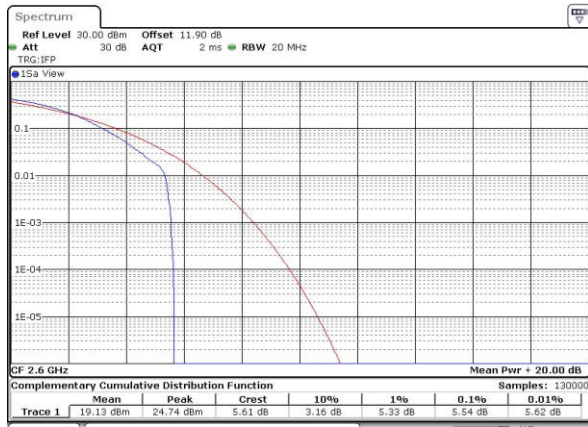


LTE Band 41 / 20MHz / 16QAM
Lowest Channel / 1RB


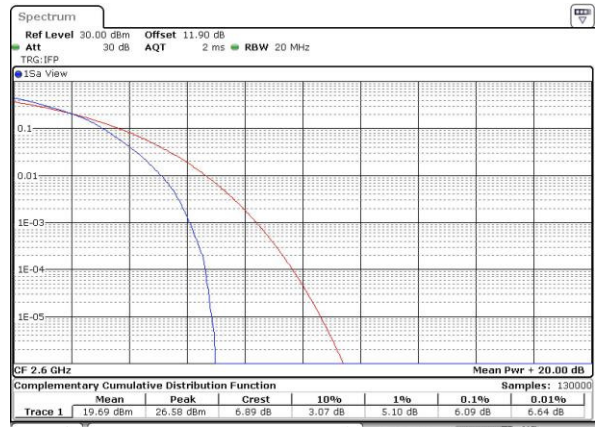
Date: 1 MAR 2017 22:44:33

Lowest Channel / Full RB


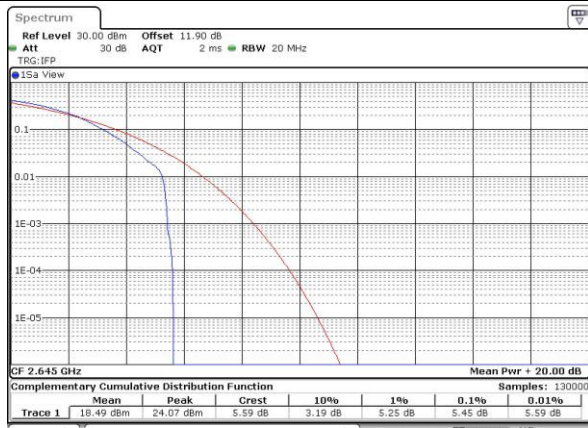
Date: 1 MAR 2017 22:45:33

Middle Channel / 1RB


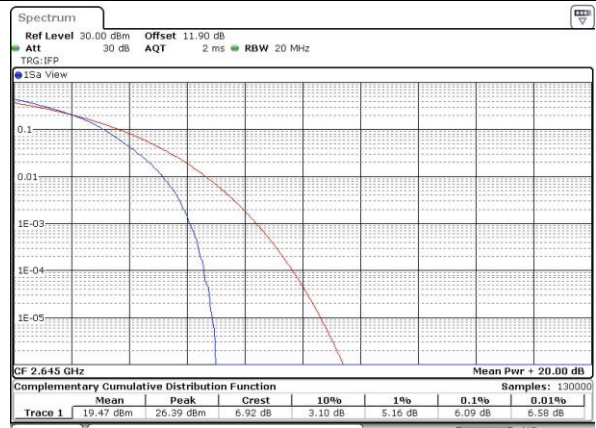
Date: 1 MAR 2017 22:46:56

Middle Channel / Full RB


Date: 1 MAR 2017 22:45:55

Highest Channel / 1RB


Date: 1 MAR 2017 22:47:19

Highest Channel / Full RB


Date: 1 MAR 2017 22:48:18

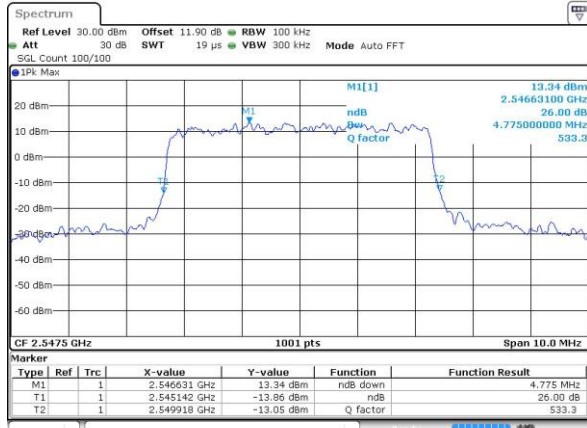
**26dB Bandwidth**

Mode	LTE Band 41 : 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	-	-	-	-	4.775	4.865	9.61	9.59	14.356	14.176	20.14	20.14
Middle CH	-	-	-	-	4.865	4.855	9.71	9.65	14.176	14.356	20.14	20.14
Highest CH	-	-	-	-	4.785	4.755	9.75	9.63	14.176	14.356	20.14	20.1



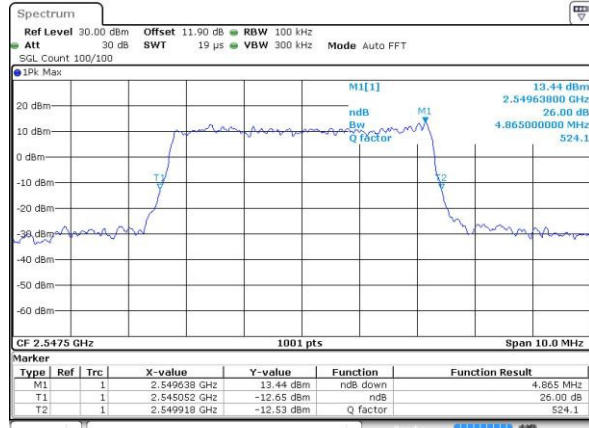
LTE Band 41

Lowest Channel / 5MHz / QPSK



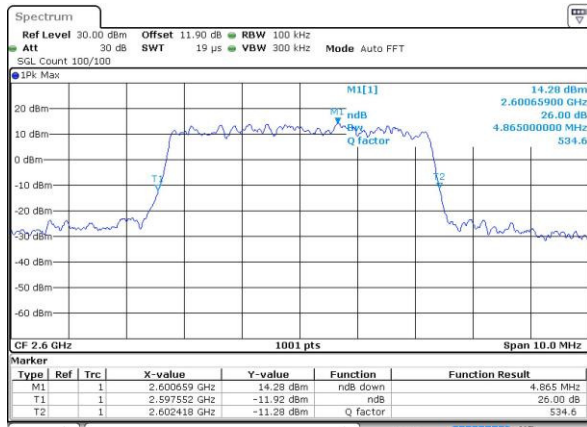
Date: 1 MAR 2017 19:34:52

Lowest Channel / 5MHz / 16QAM



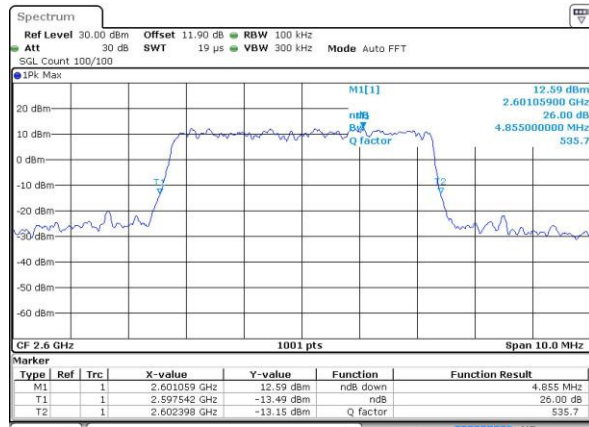
Date: 1 MAR 2017 19:35:02

Middle Channel / 5MHz / QPSK



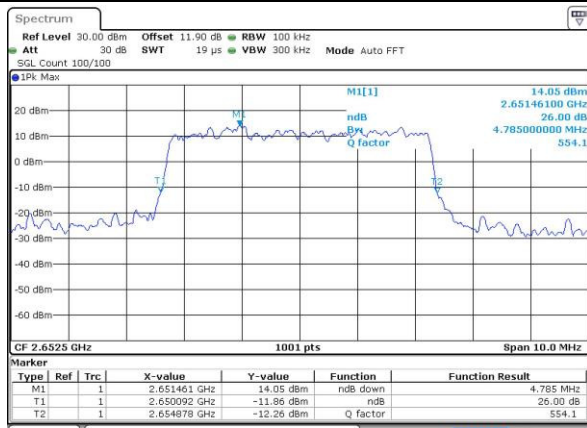
Date: 1 MAR 2017 19:35:33

Middle Channel / 5MHz / 16QAM



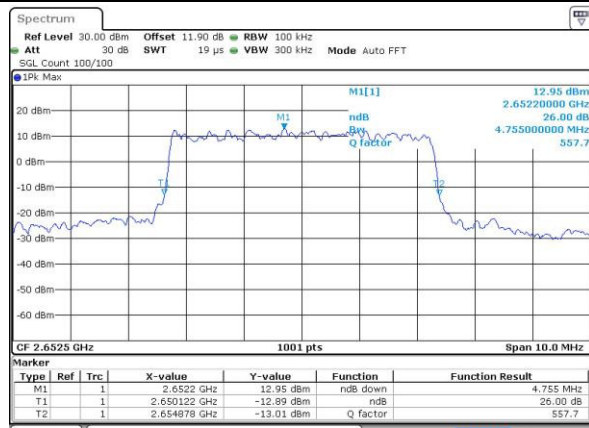
Date: 1 MAR 2017 19:35:44

Highest Channel / 5MHz / QPSK



Date: 1 MAR 2017 19:36:15

Highest Channel / 5MHz / 16QAM

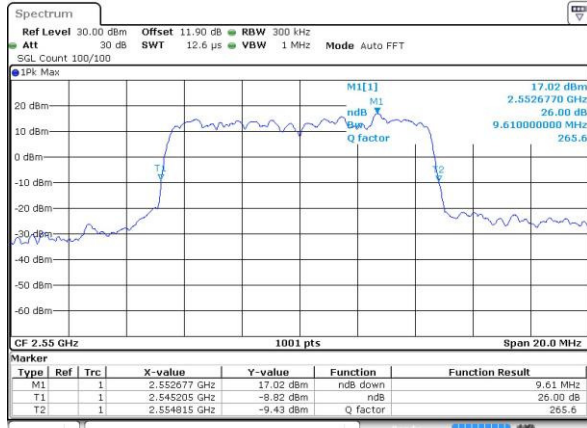


Date: 1 MAR 2017 19:36:25

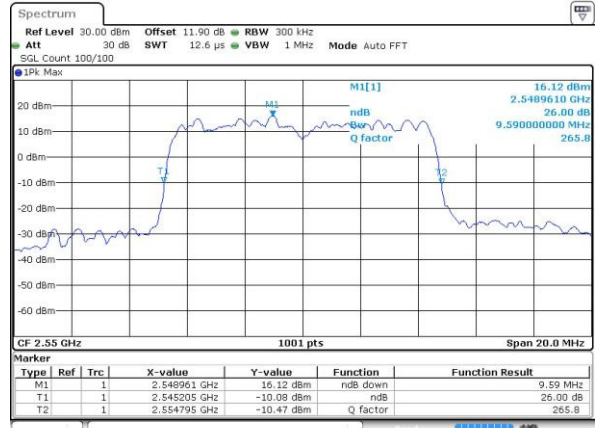


LTE Band 41

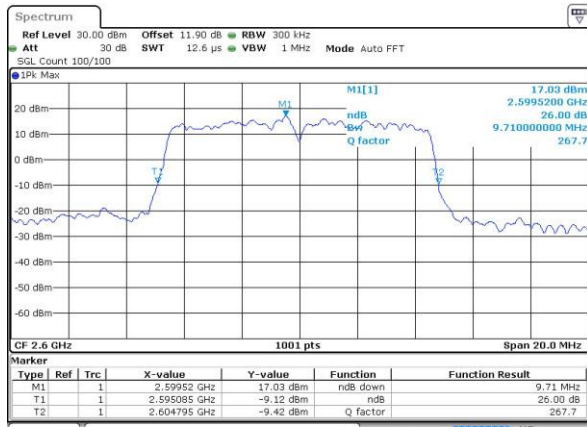
Lowest Channel / 10MHz / QPSK



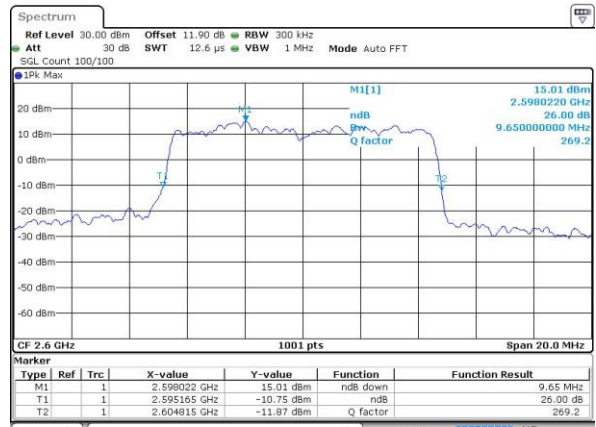
Lowest Channel / 10MHz / 16QAM



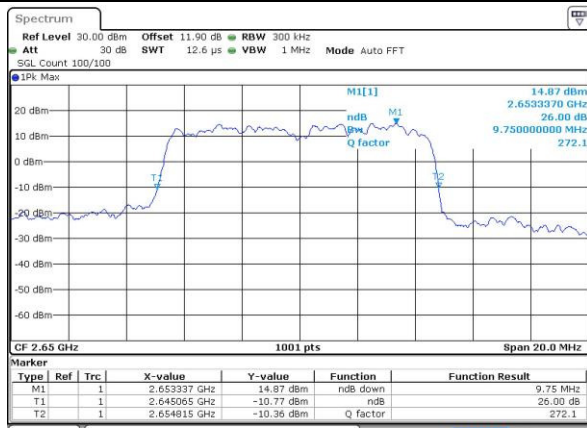
Middle Channel / 10MHz / QPSK



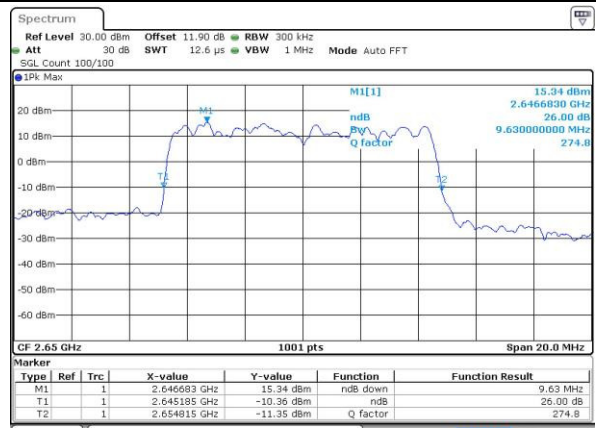
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



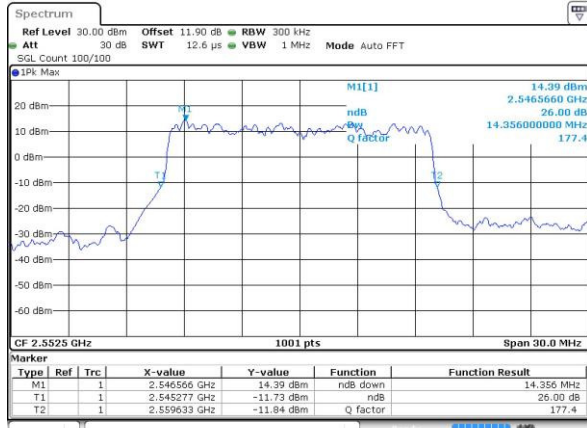
Highest Channel / 10MHz / 16QAM





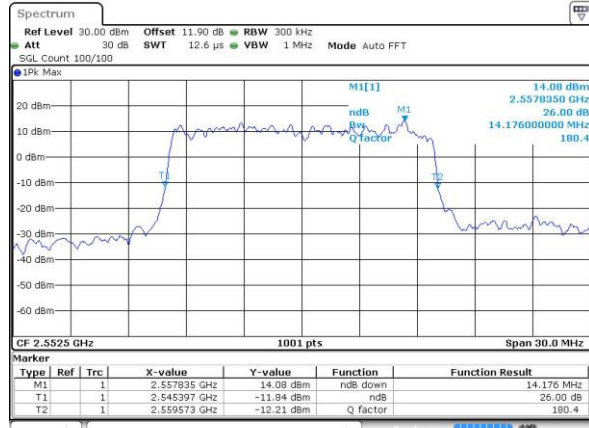
LTE Band 41

Lowest Channel / 15MHz / QPSK



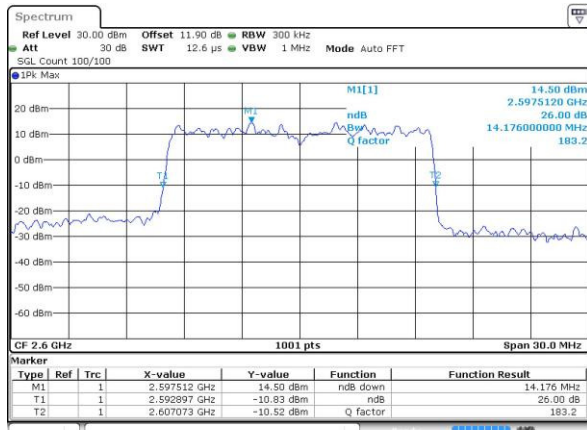
Date: 1 MAR 2017 19:39:01

Lowest Channel / 15MHz / 16QAM



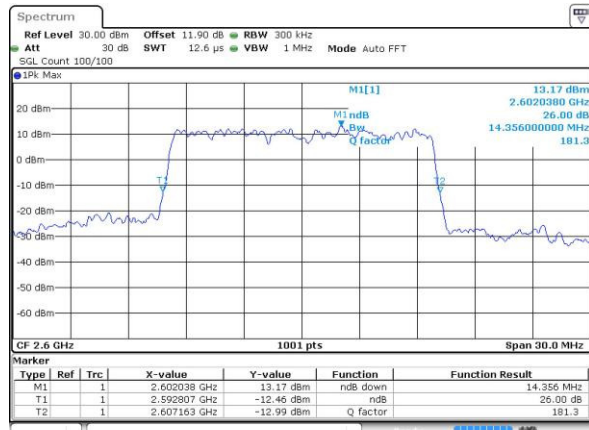
Date: 1 MAR 2017 19:39:12

Middle Channel / 15MHz / QPSK



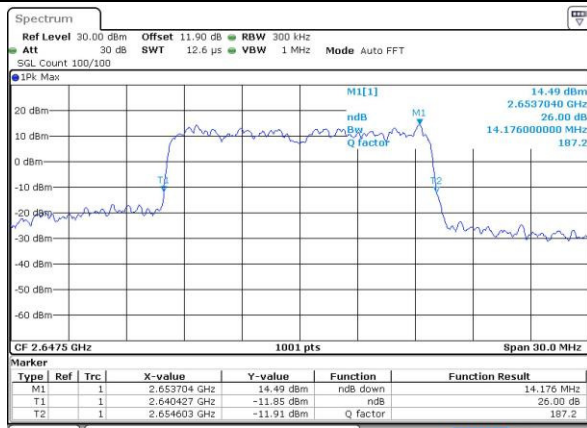
Date: 1 MAR 2017 19:39:43

Middle Channel / 15MHz / 16QAM



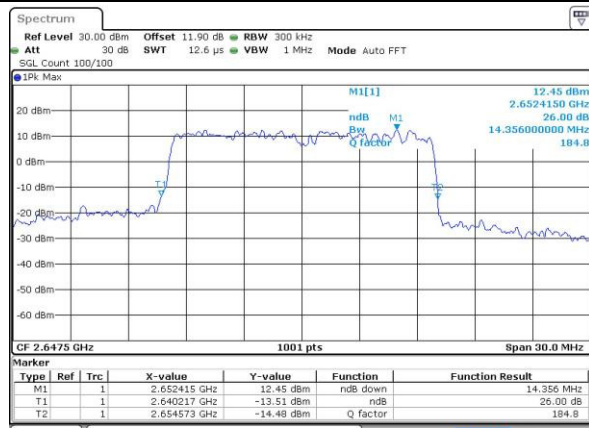
Date: 1 MAR 2017 19:39:53

Highest Channel / 15MHz / QPSK



Date: 1 MAR 2017 19:40:24

Highest Channel / 15MHz / 16QAM

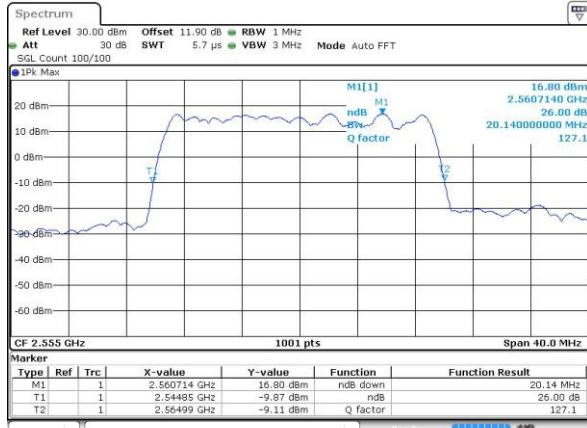


Date: 1 MAR 2017 19:40:35

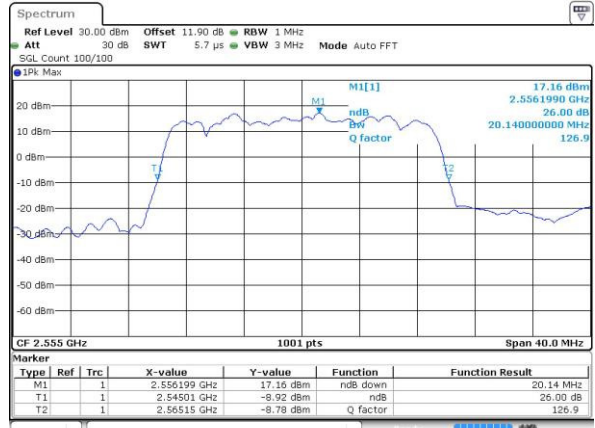


LTE Band 41

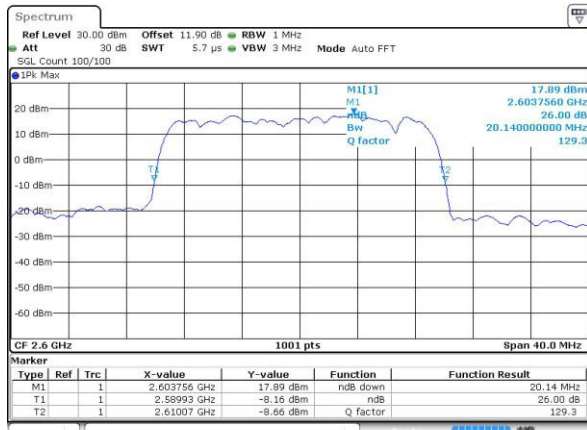
Lowest Channel / 20MHz / QPSK



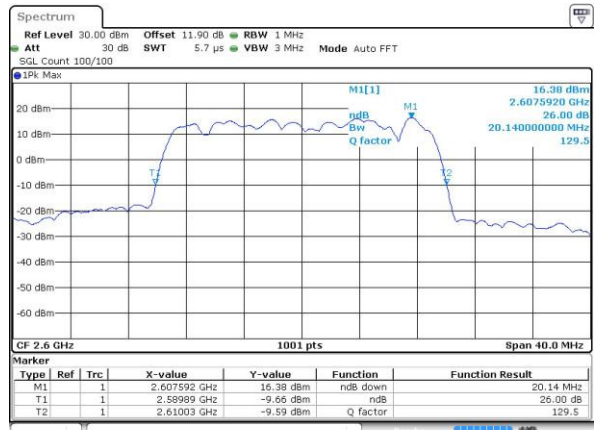
Lowest Channel / 20MHz / 16QAM



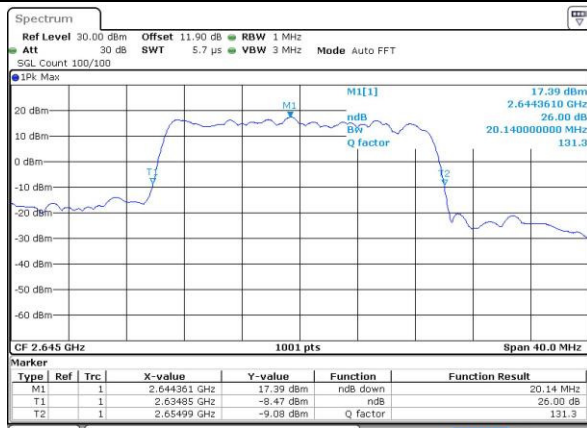
Middle Channel / 20MHz / QPSK



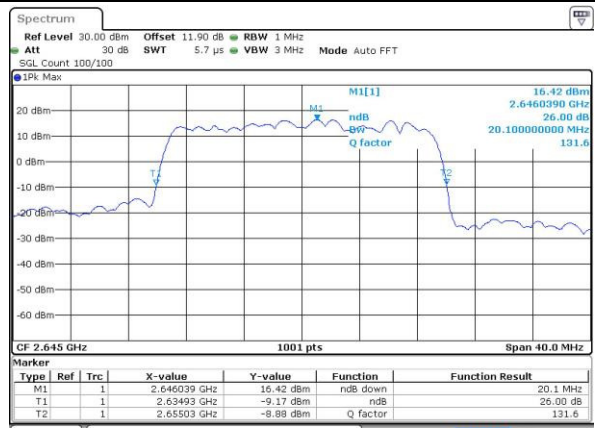
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



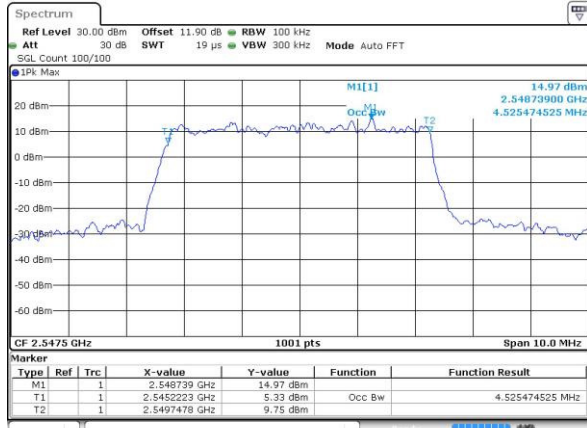
**Occupied Bandwidth**

Mode	LTE Band 41 : 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	-	-	-	-	4.53	4.49	9.09	9.03	13.46	13.43	18.26	18.38
Middle CH	-	-	-	-	4.52	4.5	9.03	9.05	13.49	13.46	18.42	18.46
Highest CH	-	-	-	-	4.49	4.52	9.05	9.05	13.46	13.52	18.18	18.38



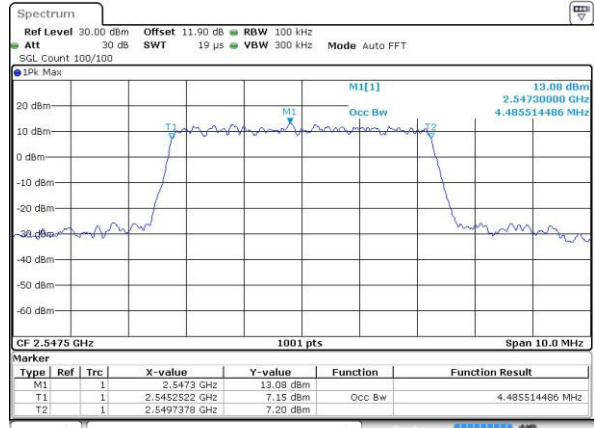
LTE Band 41

Lowest Channel / 5MHz / QPSK



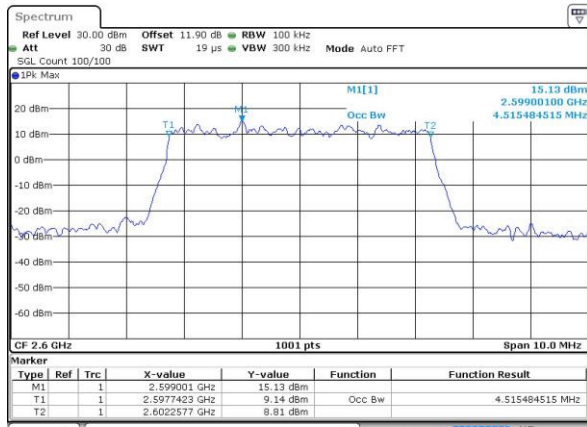
Date: 1 MAR 2017 19:34:31

Lowest Channel / 5MHz / 16QAM



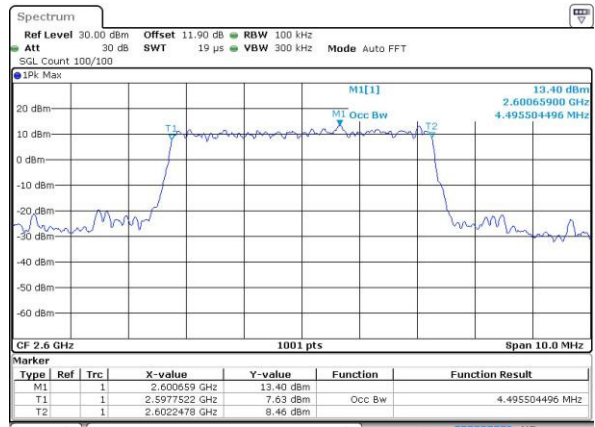
Date: 1 MAR 2017 19:34:42

Middle Channel / 5MHz / QPSK



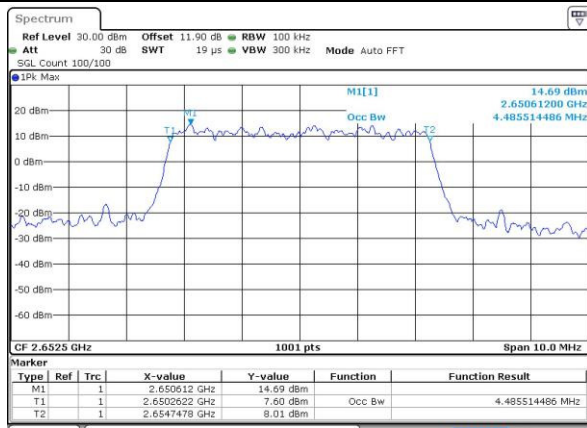
Date: 1 MAR 2017 19:35:13

Middle Channel / 5MHz / 16QAM



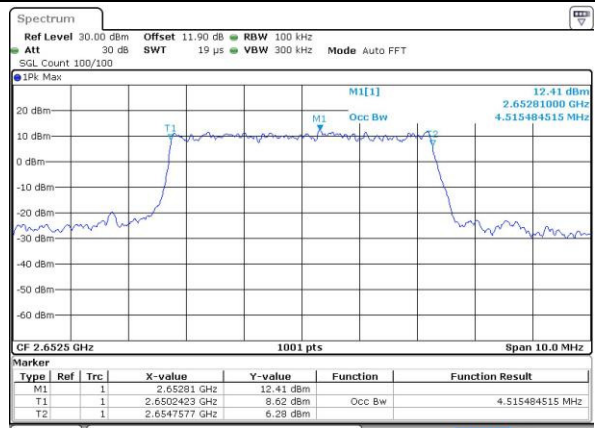
Date: 1 MAR 2017 19:35:23

Highest Channel / 5MHz / QPSK



Date: 1 MAR 2017 19:35:54

Highest Channel / 5MHz / 16QAM

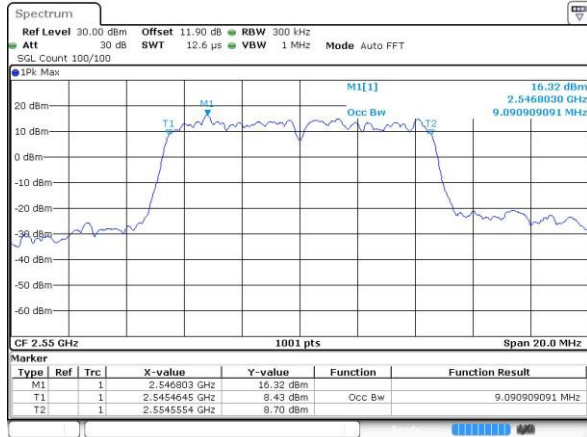


Date: 1 MAR 2017 19:36:05

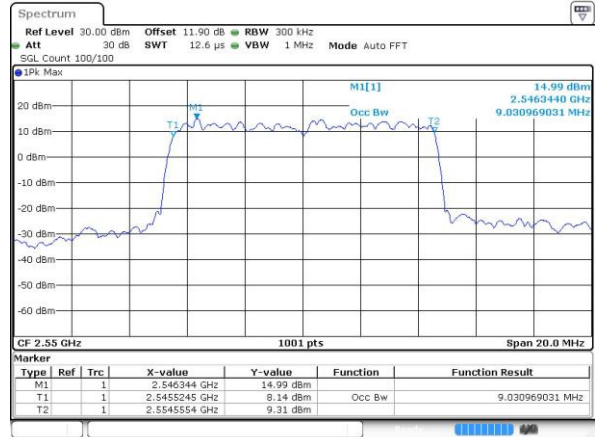


LTE Band 41

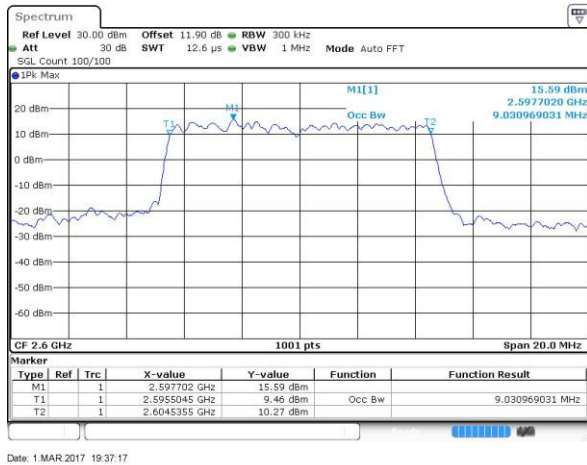
Lowest Channel / 10MHz / QPSK



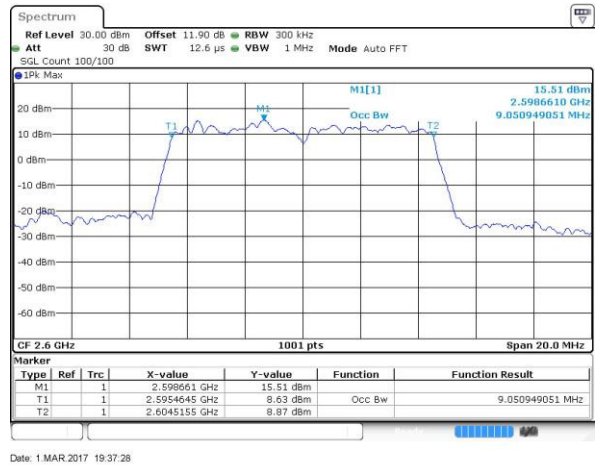
Lowest Channel / 10MHz / 16QAM



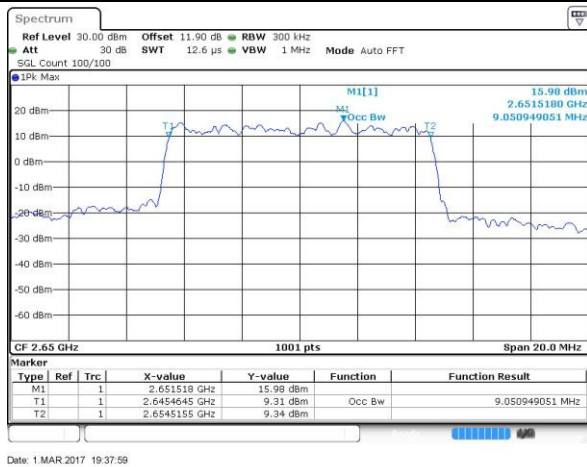
Middle Channel / 10MHz / QPSK



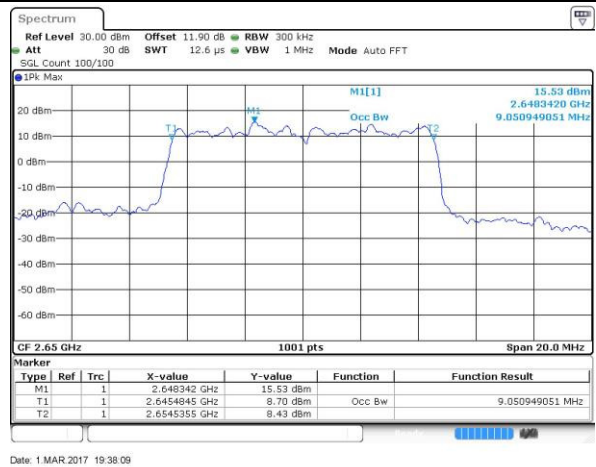
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



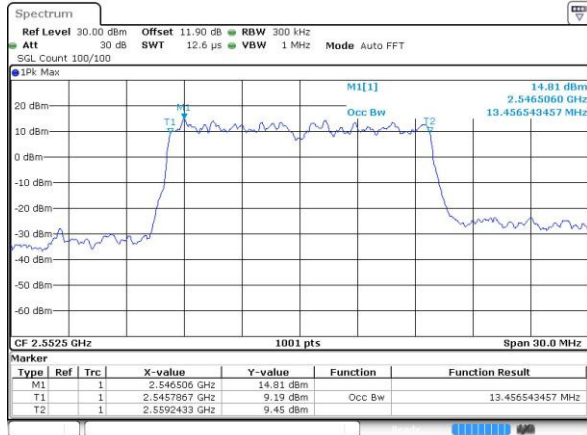
Highest Channel / 10MHz / 16QAM



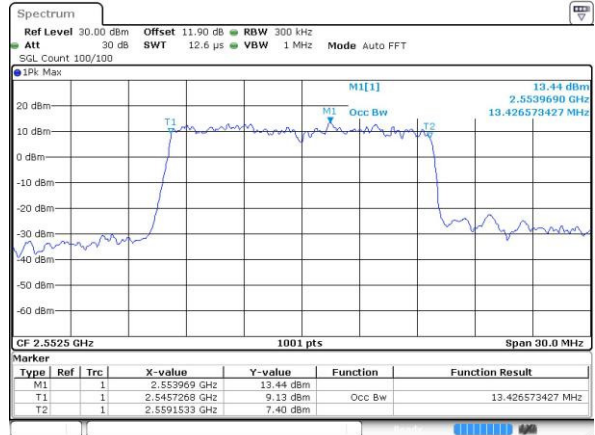


LTE Band 41

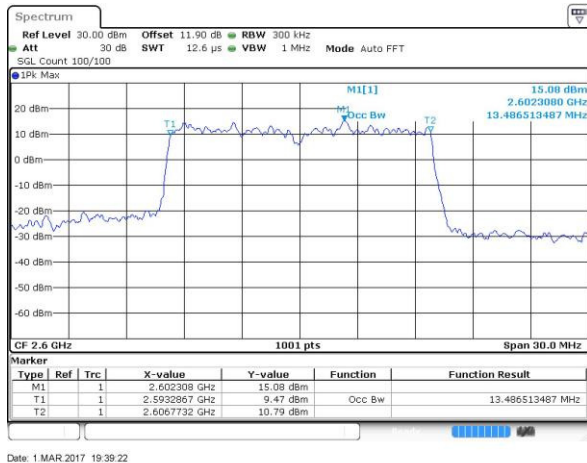
Lowest Channel / 15MHz / QPSK



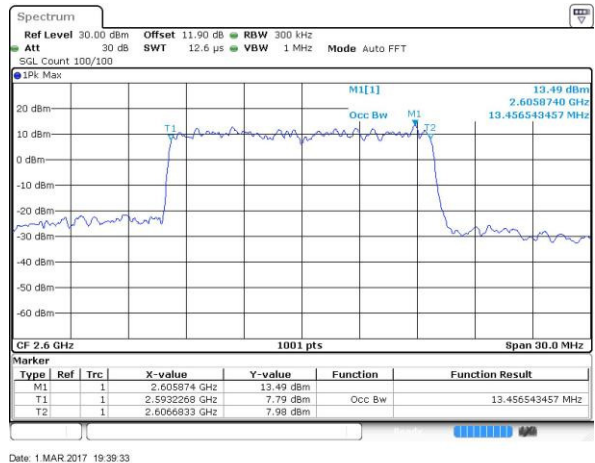
Lowest Channel / 15MHz / 16QAM



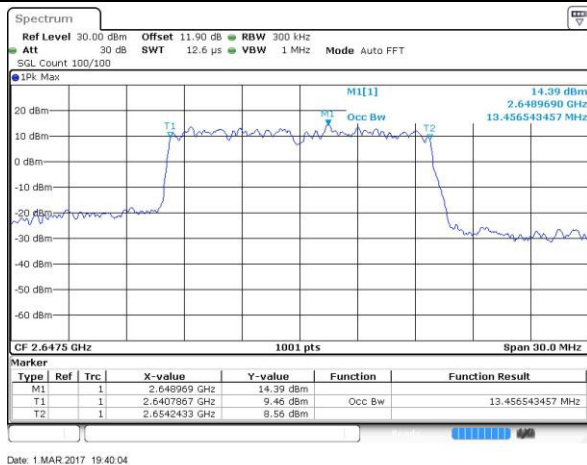
Middle Channel / 15MHz / QPSK



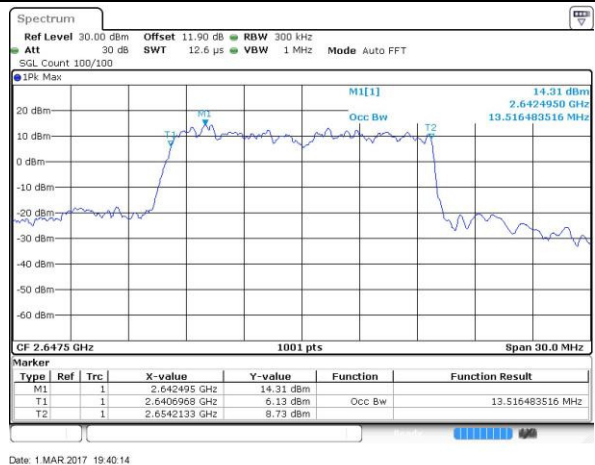
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



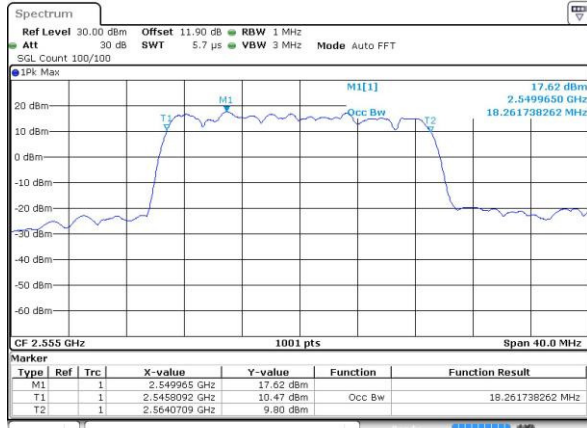
Highest Channel / 15MHz / 16QAM





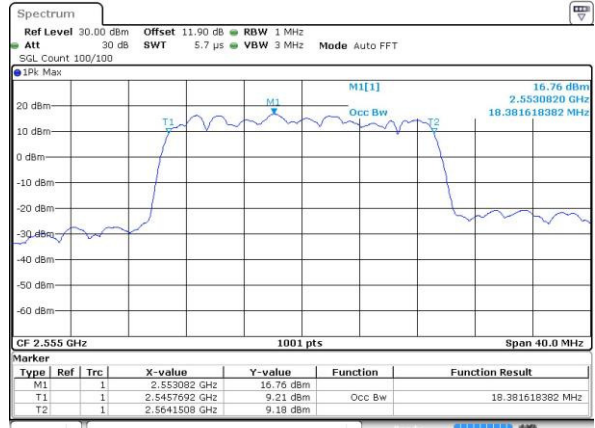
LTE Band 41

Lowest Channel / 20MHz / QPSK



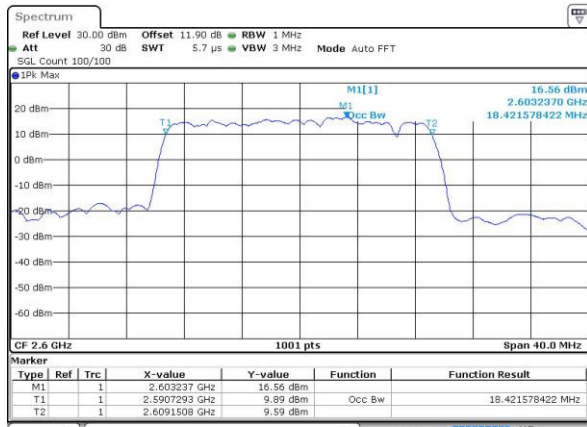
Date: 1 MAR 2017 19:40:45

Lowest Channel / 20MHz / 16QAM



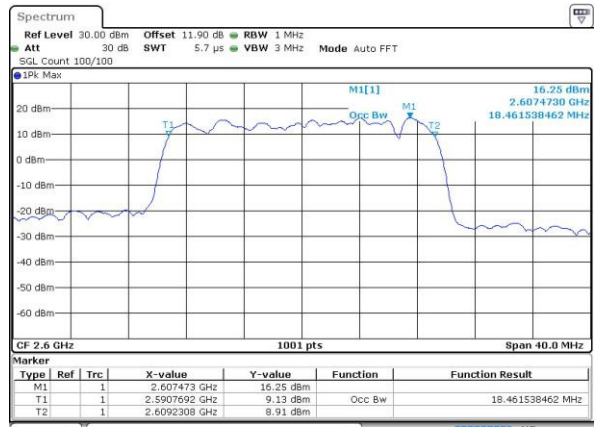
Date: 1 MAR 2017 19:40:56

Middle Channel / 20MHz / QPSK



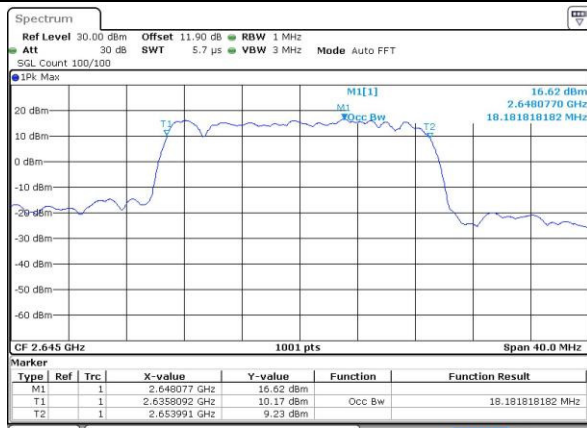
Date: 1 MAR 2017 19:41:27

Middle Channel / 20MHz / 16QAM



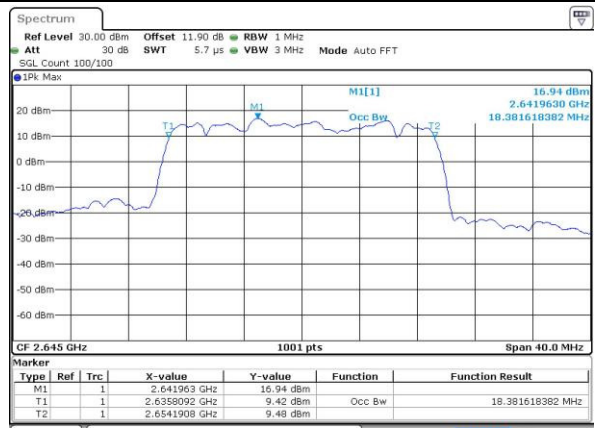
Date: 1 MAR 2017 19:41:37

Highest Channel / 20MHz / QPSK



Date: 1 MAR 2017 19:42:08

Highest Channel / 20MHz / 16QAM



Date: 1 MAR 2017 19:42:19

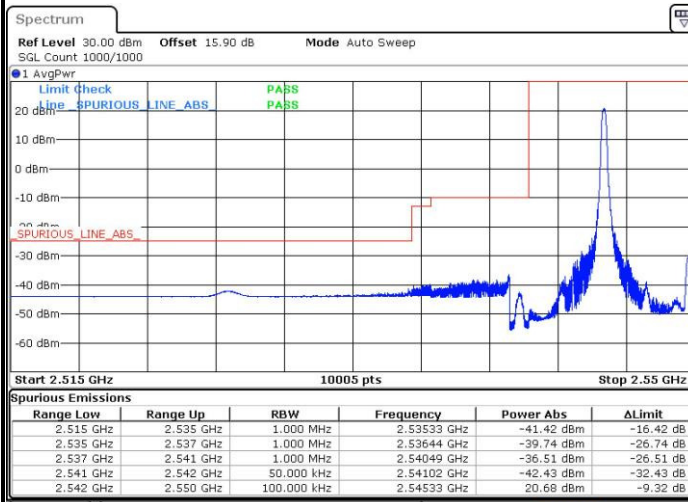


Conducted Band Edge

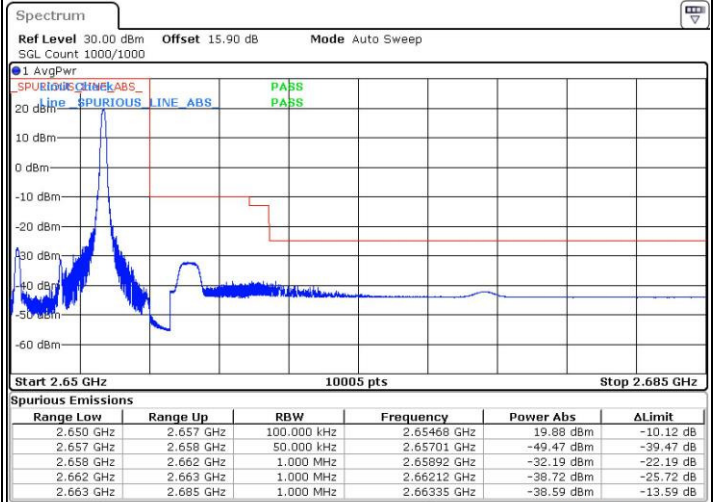


LTE Band 41 / 5MHz / QPSK

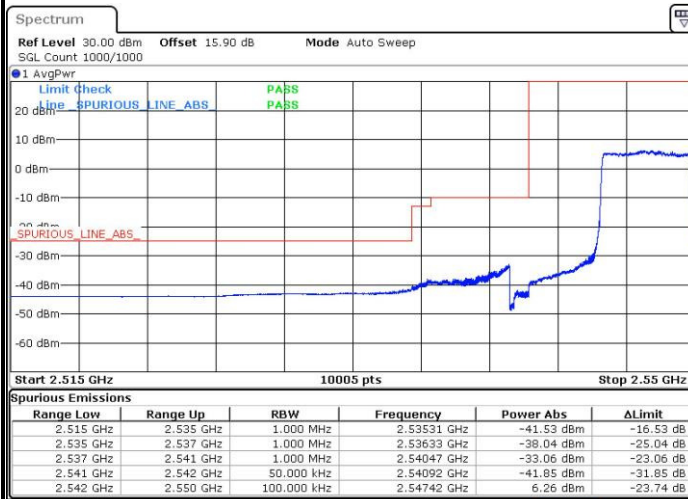
Lowest Band Edge / 1 RB



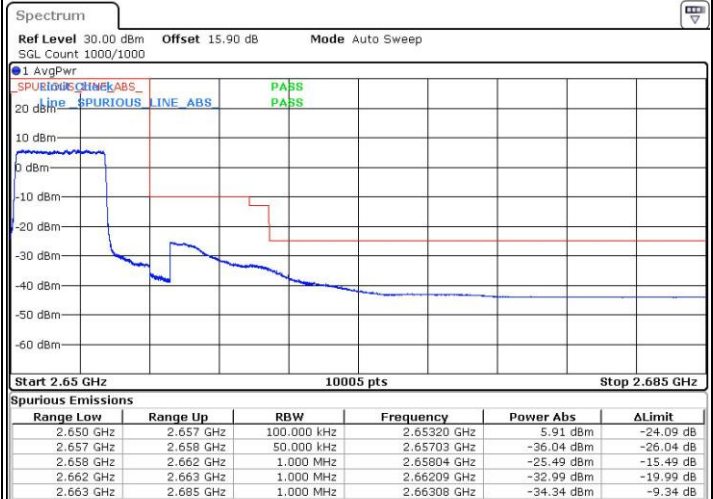
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



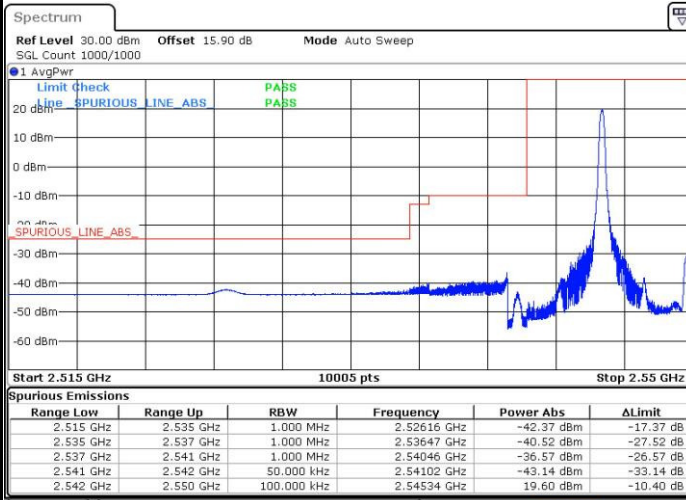
Highest Band Edge / Full RB



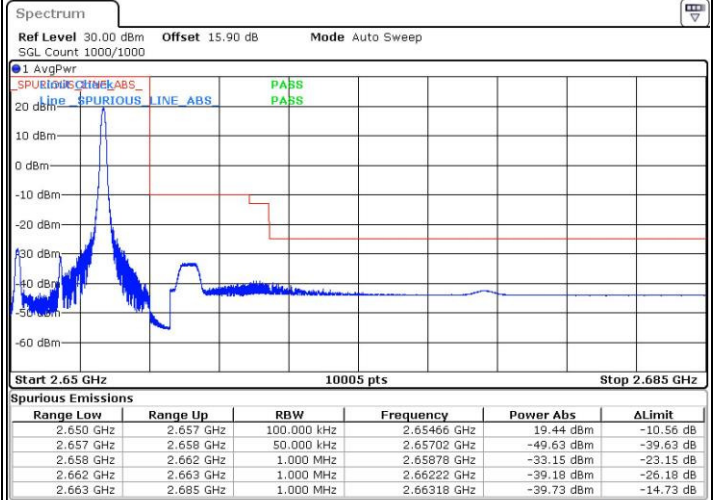


LTE Band 41 / 5MHz / 16QAM

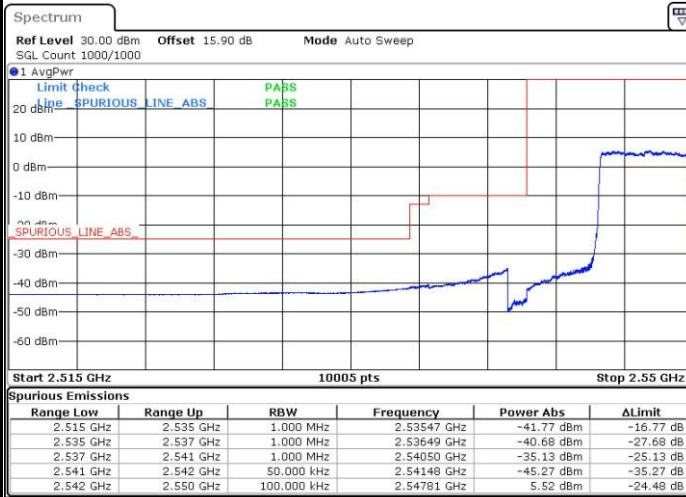
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

