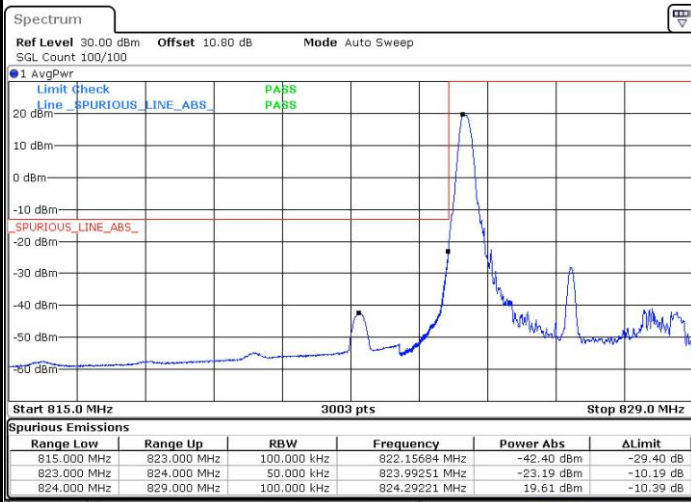




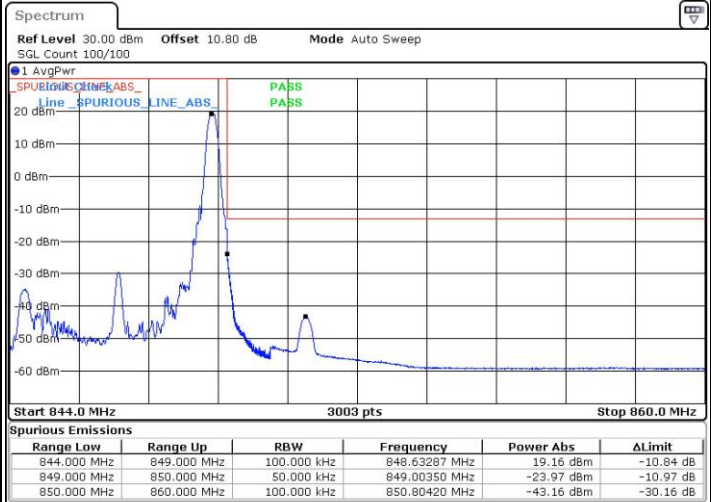
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



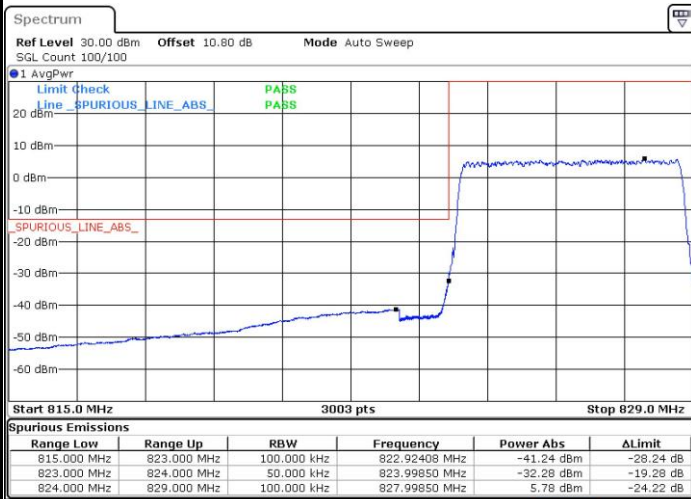
Date: 17.FEB.2017 14:05:22

Highest Band Edge / 1 RB



Date: 17.FEB.2017 14:16:59

Lowest Band Edge / Full RB



Date: 17.FEB.2017 14:08:40

Highest Band Edge / Full RB



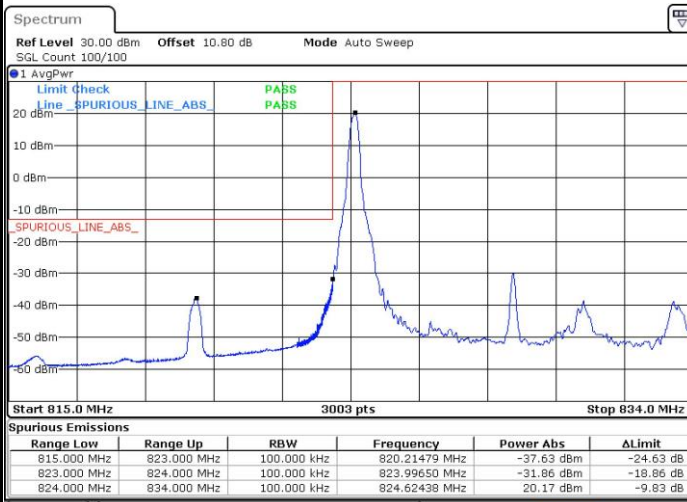
Date: 17.FEB.2017 14:20:17



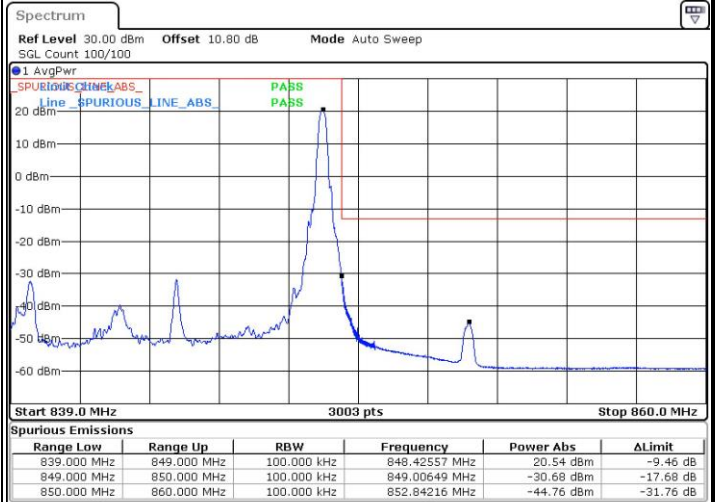
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



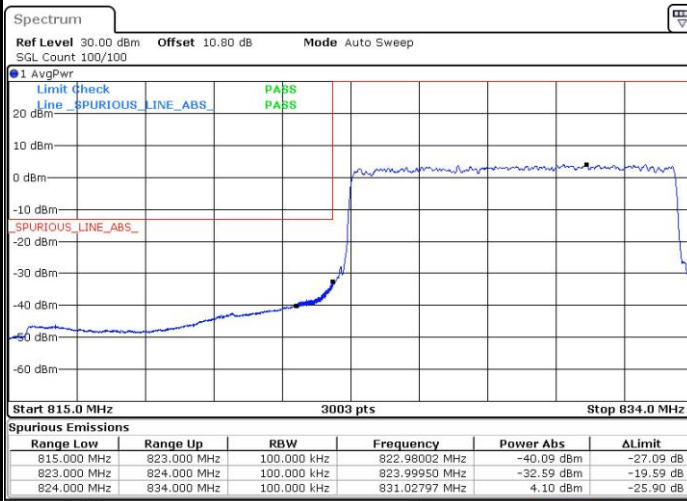
Date: 17.FEB.2017 14:24:26



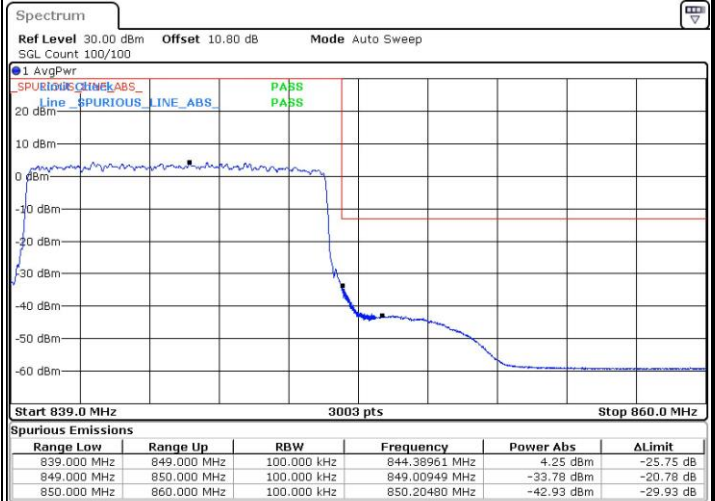
Date: 17.FEB.2017 14:36:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.FEB.2017 14:27:44

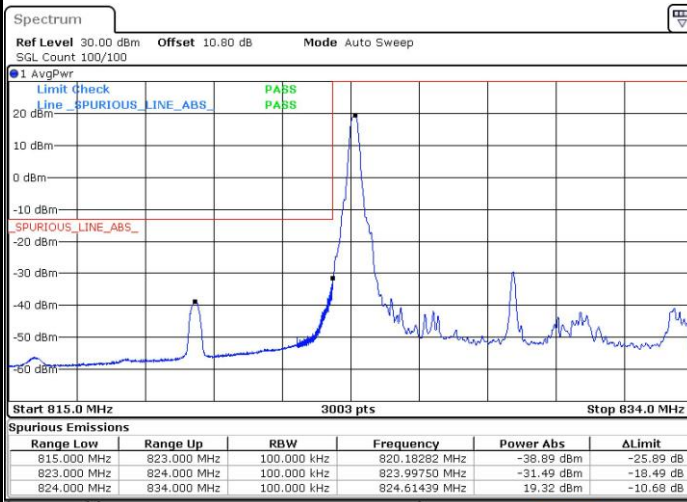


Date: 17.FEB.2017 14:39:19



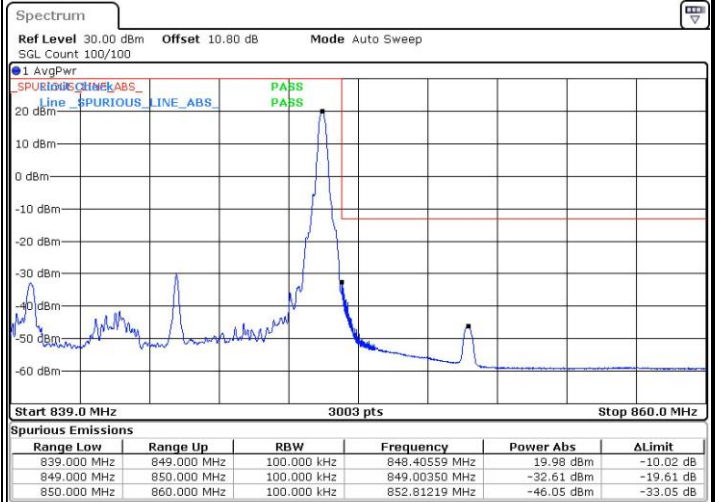
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



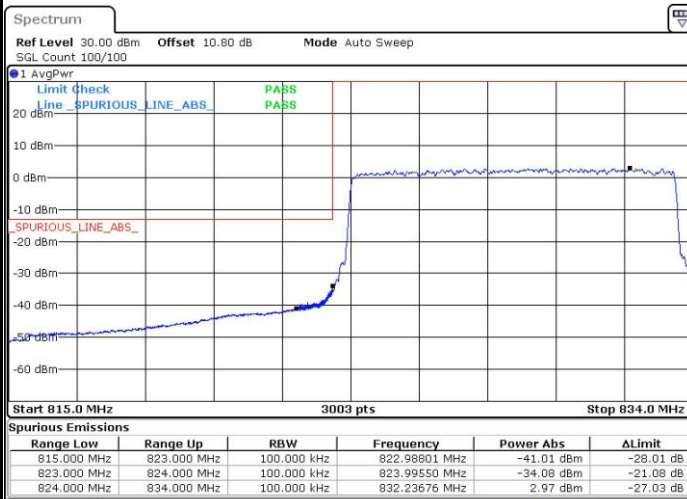
Date: 17.FEB.2017 14:26:05

Highest Band Edge / 1 RB



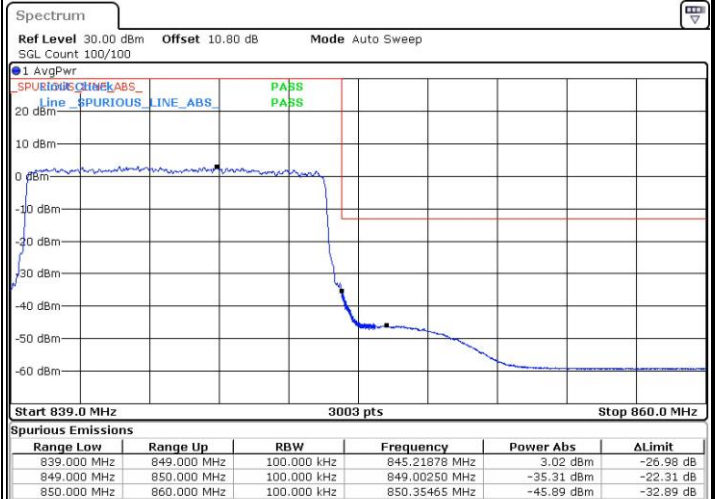
Date: 17.FEB.2017 14:37:39

Lowest Band Edge / Full RB



Date: 17.FEB.2017 14:29:23

Highest Band Edge / Full RB



Date: 17.FEB.2017 14:40:57



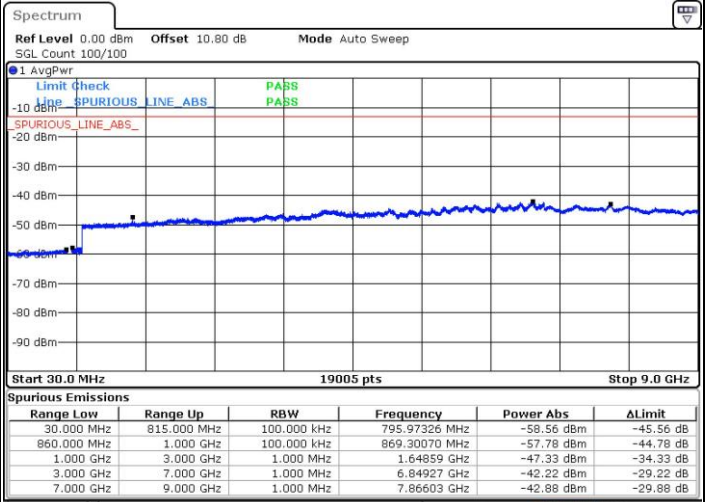
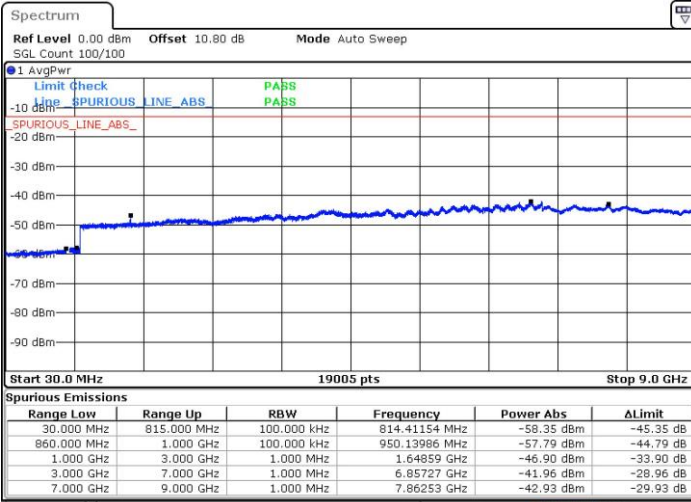
Conducted Spurious Emission



LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

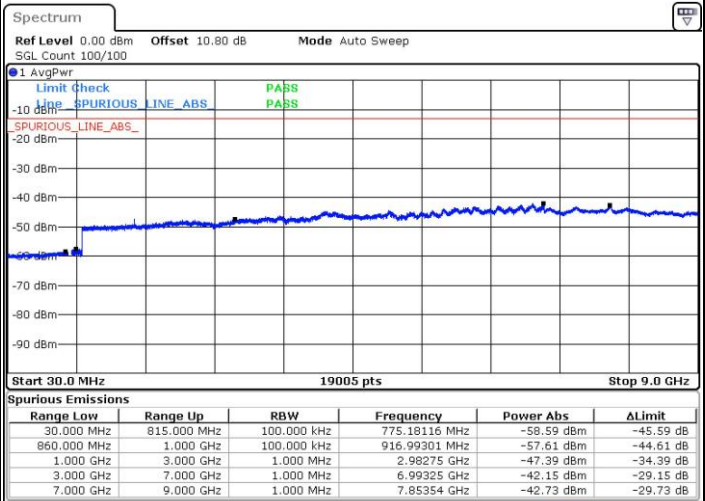
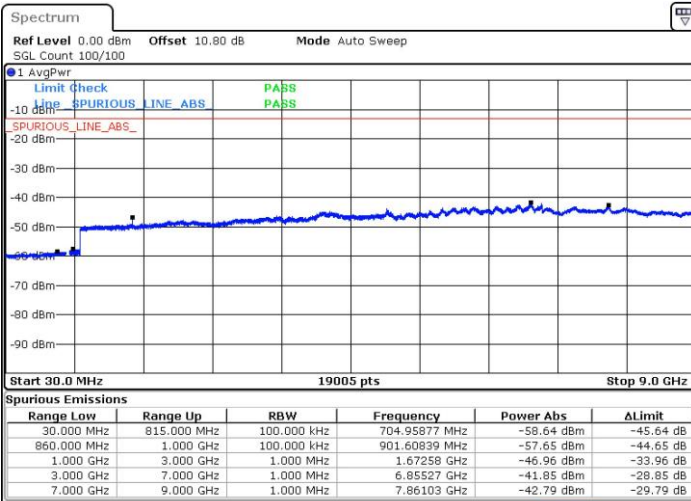


Date: 17.FEB.2017 16:30:01

Date: 17.FEB.2017 16:30:55

Middle Channel / QPSK

Middle Channel / 16QAM



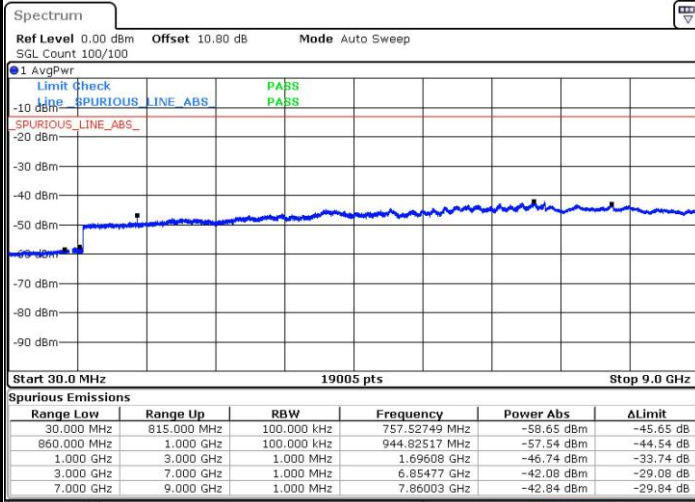
Date: 17.FEB.2017 16:32:31

Date: 17.FEB.2017 16:33:25



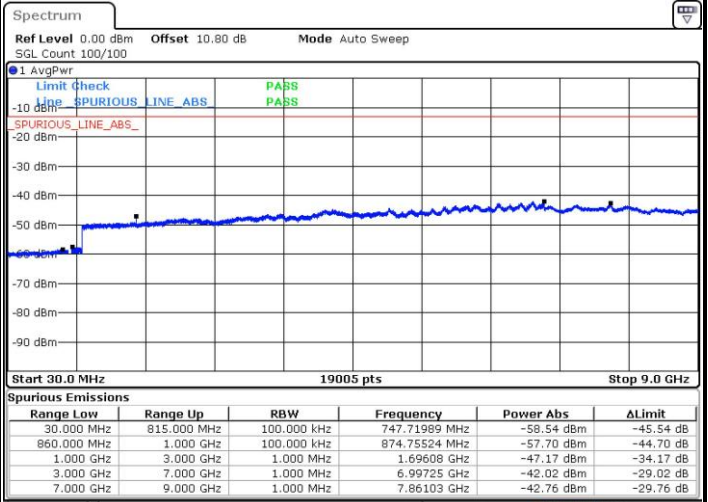
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 17.FEB.2017 16:46:19

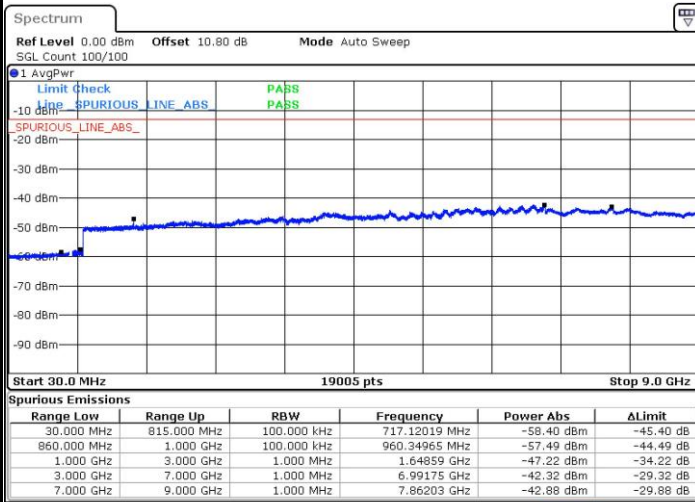
Highest Channel / 16QAM



Date: 17.FEB.2017 16:47:14

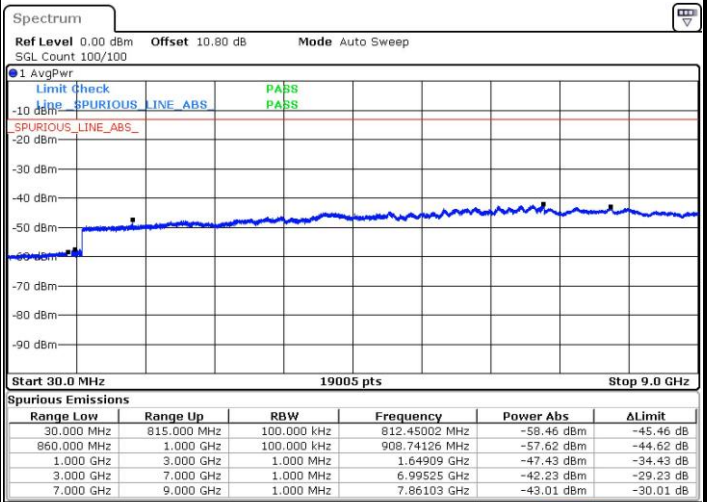
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 17.FEB.2017 13:48:53

Lowest Channel / 16QAM



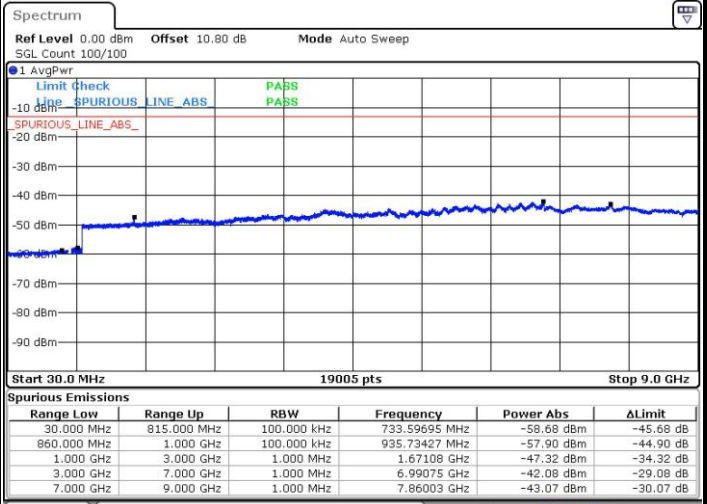
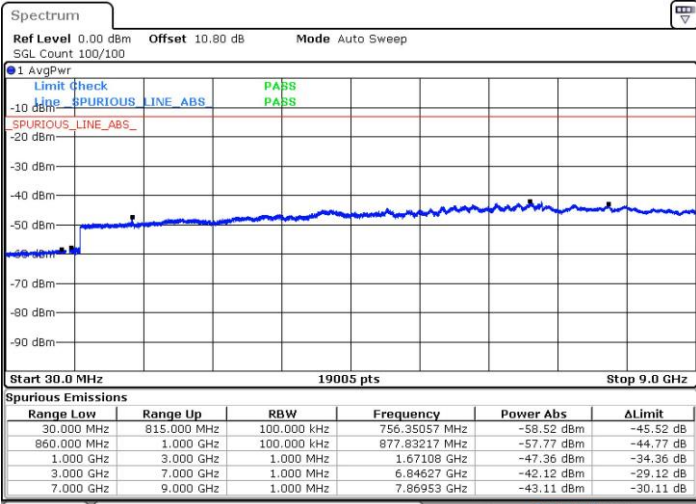
Date: 17.FEB.2017 13:49:47



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

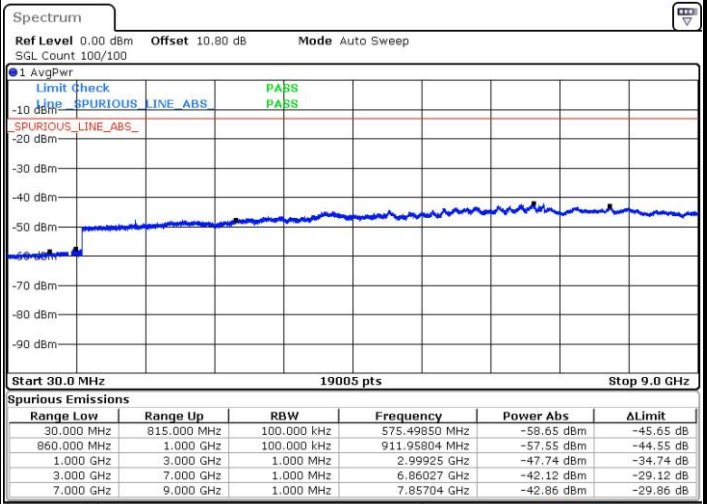
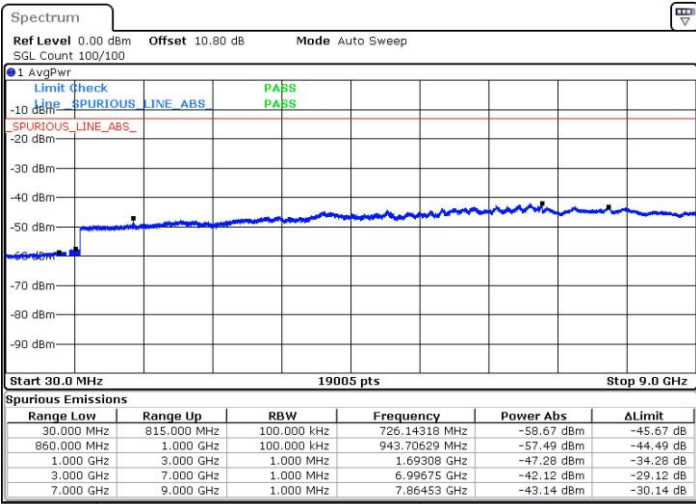


Date: 17.FEB.2017 13:51:23

Date: 17.FEB.2017 13:52:17

Highest Channel / QPSK

Highest Channel / 16QAM



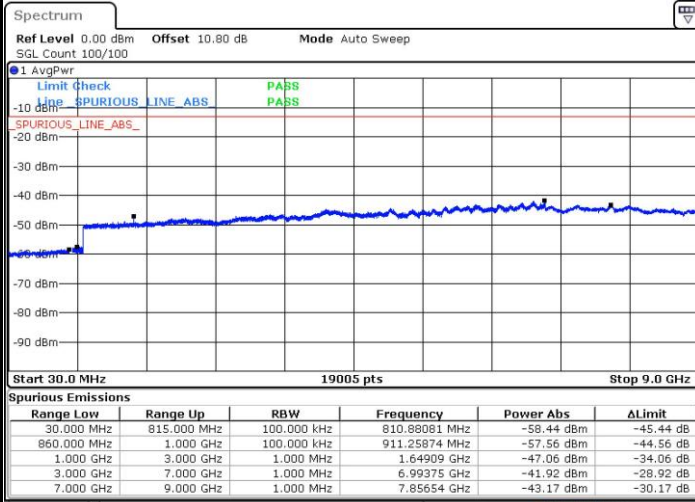
Date: 17.FEB.2017 14:00:29

Date: 17.FEB.2017 14:01:23



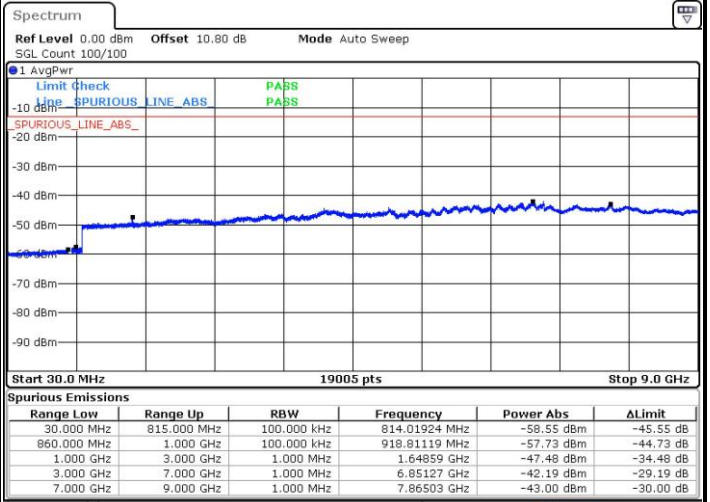
LTE Band 5 / 5MHz

Lowest Channel / QPSK



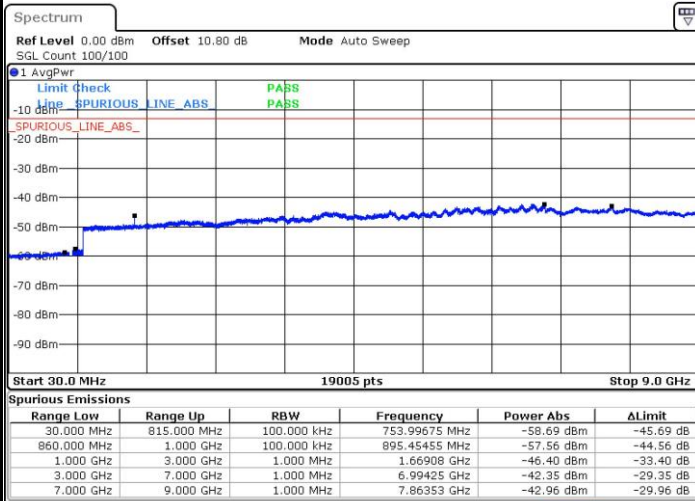
Date: 17.FEB.2017 14:09:35

Lowest Channel / 16QAM



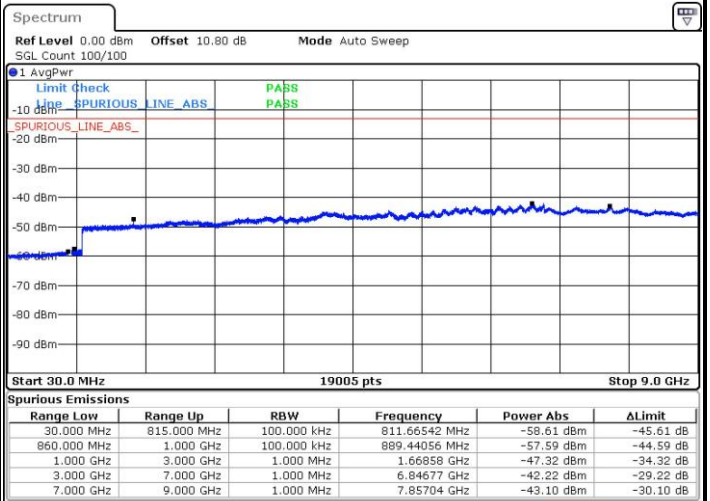
Date: 17.FEB.2017 14:10:29

Middle Channel / QPSK



Date: 17.FEB.2017 14:12:05

Middle Channel / 16QAM

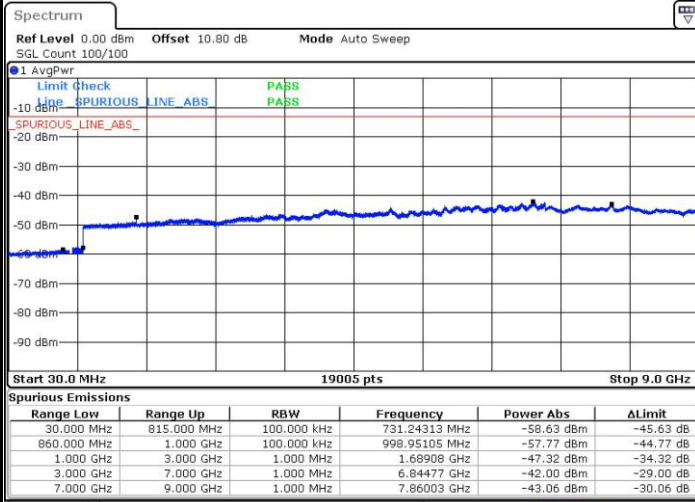


Date: 17.FEB.2017 14:12:59



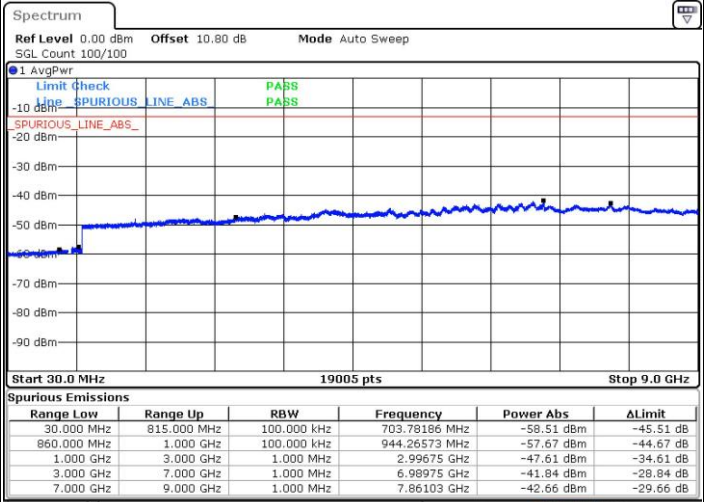
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 17.FEB.2017 14:21:12

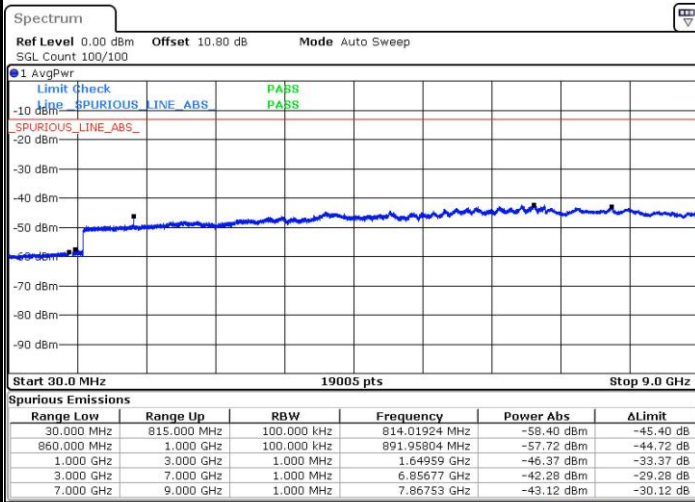
Highest Channel / 16QAM



Date: 17.FEB.2017 14:22:06

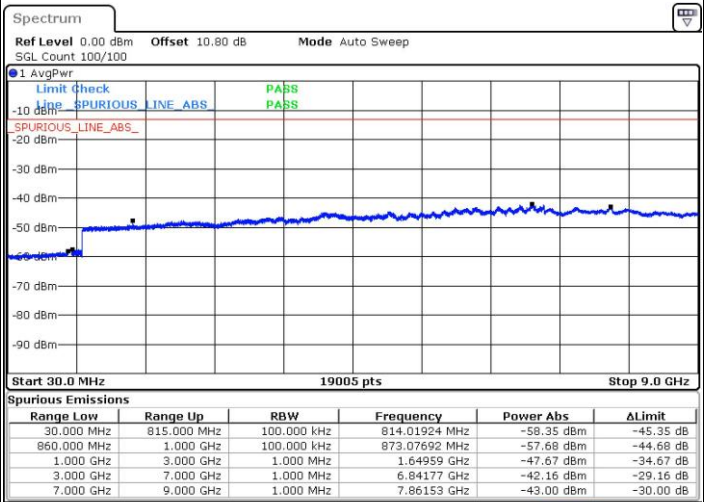
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 17.FEB.2017 14:30:18

Lowest Channel / 16QAM

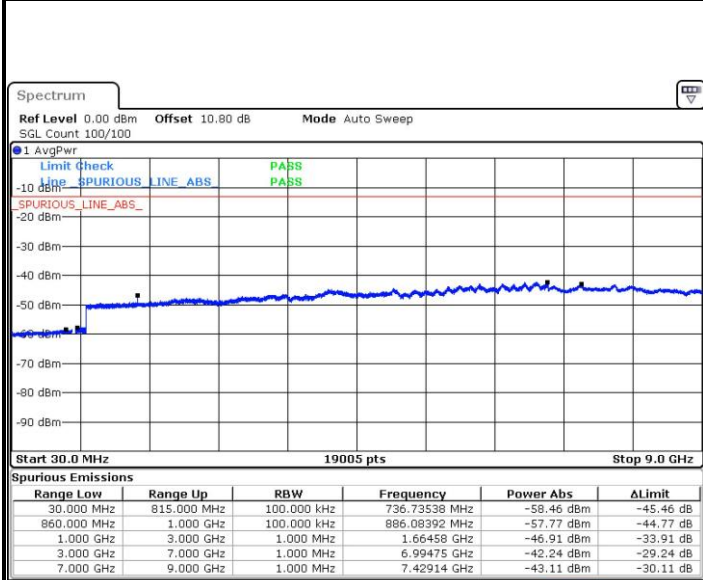


Date: 17.FEB.2017 14:31:12



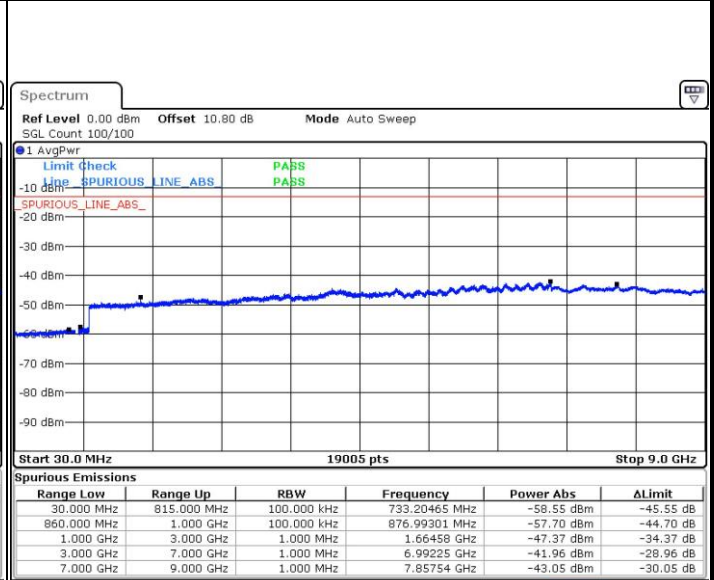
LTE Band 5 / 10MHz

Middle Channel / QPSK



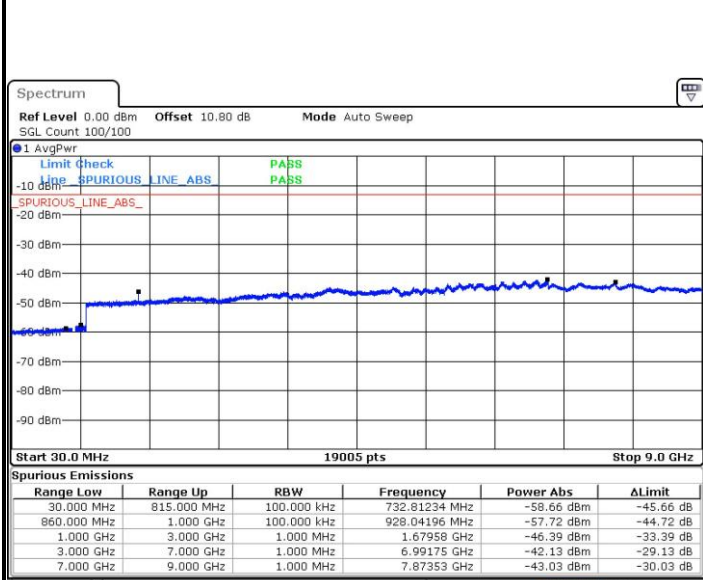
Date: 17.FEB.2017 14:32:47

Middle Channel / 16QAM



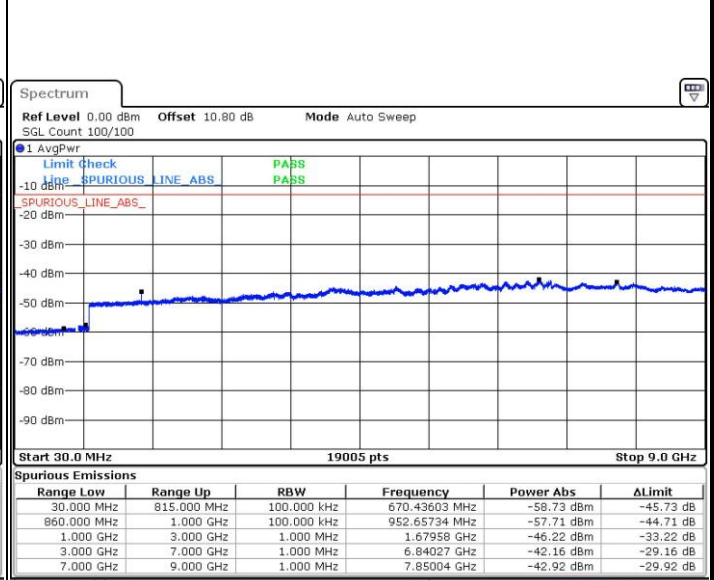
Date: 17.FEB.2017 14:33:41

Highest Channel / QPSK



Date: 17.FEB.2017 14:41:52

Highest Channel / 16QAM



Date: 17.FEB.2017 14:42:46



Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0071	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0078	
-10	Normal Voltage	0.0065	
-20	Normal Voltage	0.0059	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0069	

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 7

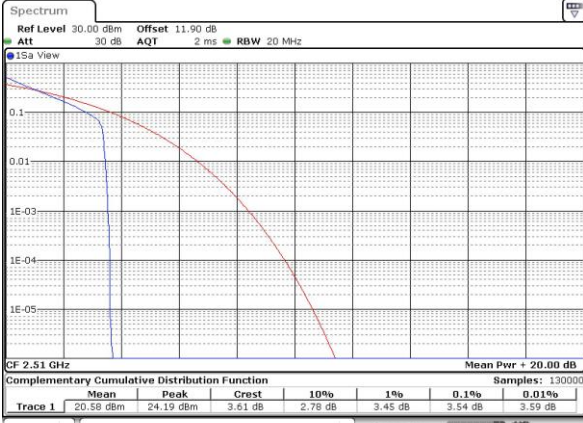
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.54	4.99	4.32	6	PASS
Middle CH	3.62	4.99	4.17	5.91	
Highest CH	3.65	4.84	4.67	5.94	



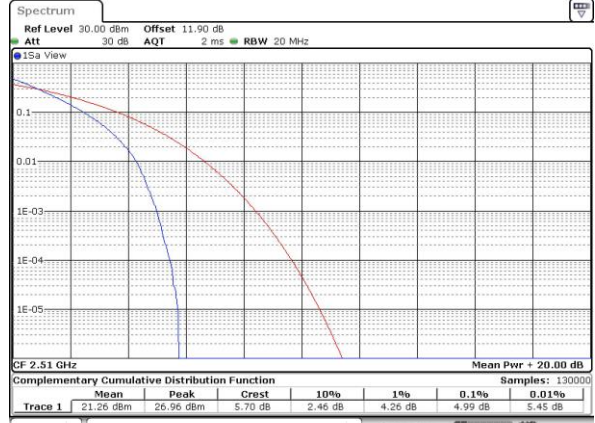
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 17.FEB.2017 13:38:37

Lowest Channel / Full RB



Date: 17.FEB.2017 13:38:47

Middle Channel / 1RB



Date: 17.FEB.2017 13:38:56

Middle Channel / Full RB



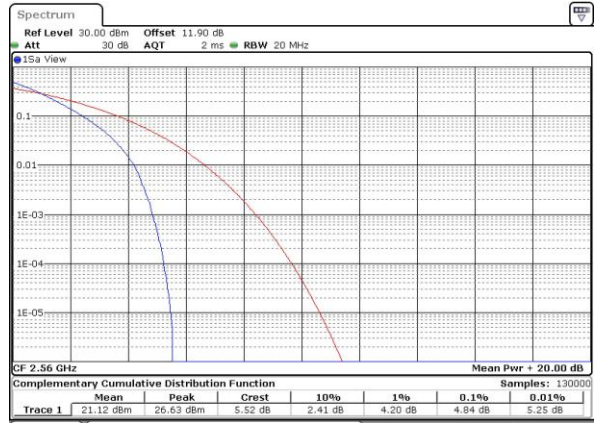
Date: 17.FEB.2017 13:39:06

Highest Channel / 1RB



Date: 17.FEB.2017 13:39:30

Highest Channel / Full RB

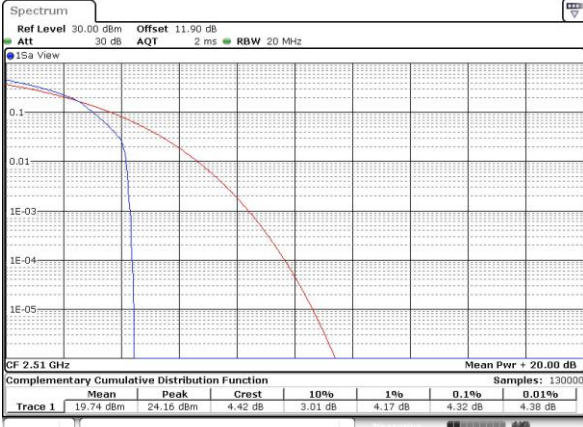


Date: 17.FEB.2017 13:39:40



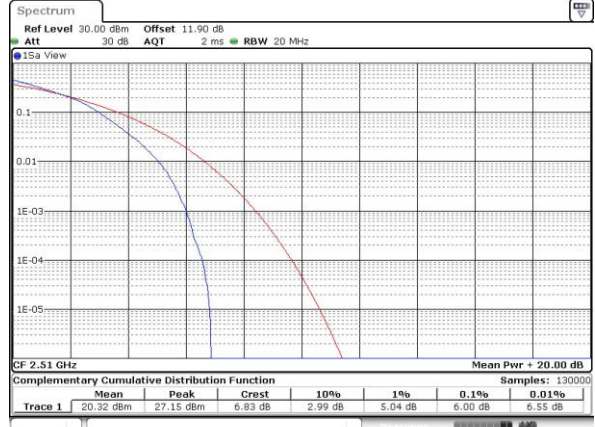
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



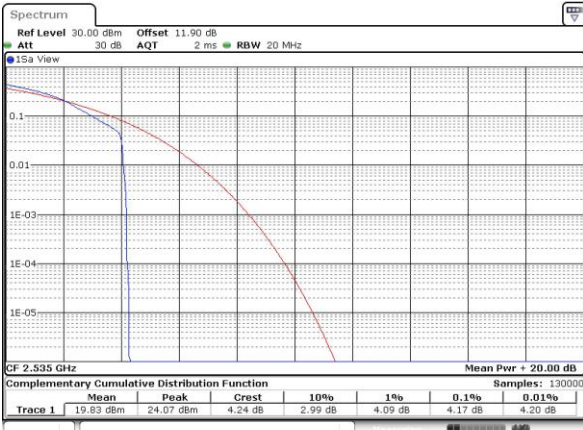
Date: 17.FEB.2017 13:36:51

Lowest Channel / Full RB



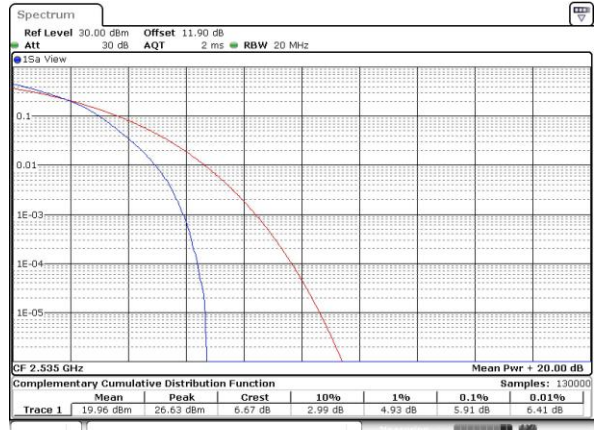
Date: 17.FEB.2017 13:37:36

Middle Channel / 1RB



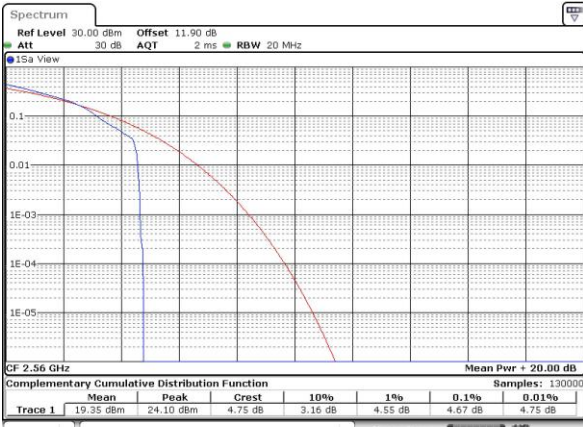
Date: 17.FEB.2017 13:37:46

Middle Channel / Full RB



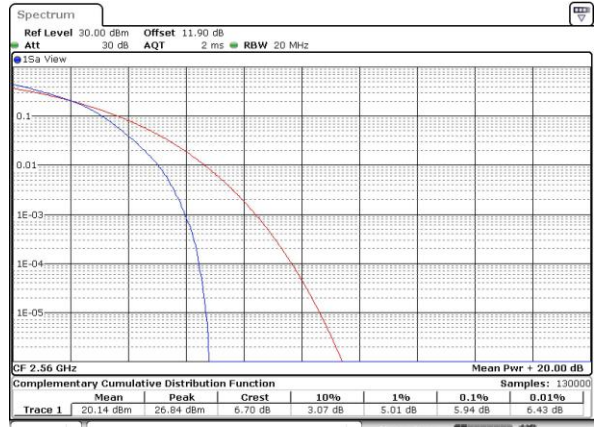
Date: 17.FEB.2017 13:37:56

Highest Channel / 1RB



Date: 17.FEB.2017 13:38:07

Highest Channel / Full RB



Date: 17.FEB.2017 13:38:17



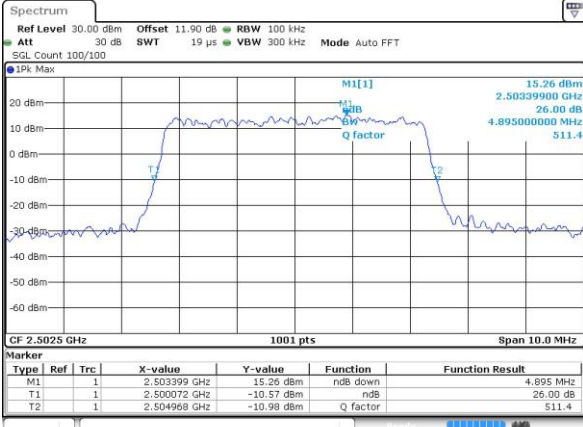
26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.90	4.87	9.77	9.67	14.75	14.42	20.10	20.18
Middle CH	-	-	-	-	4.91	4.93	9.83	9.67	14.39	14.57	20.26	20.26
Highest CH	-	-	-	-	4.96	4.92	9.85	9.91	14.24	14.42	20.10	20.18



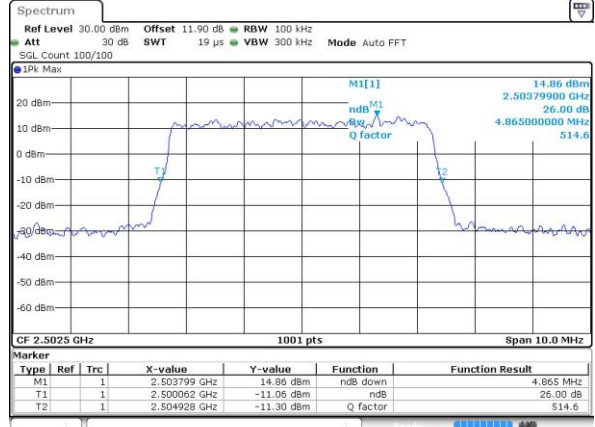
LTE Band 7

Lowest Channel / 5MHz / QPSK



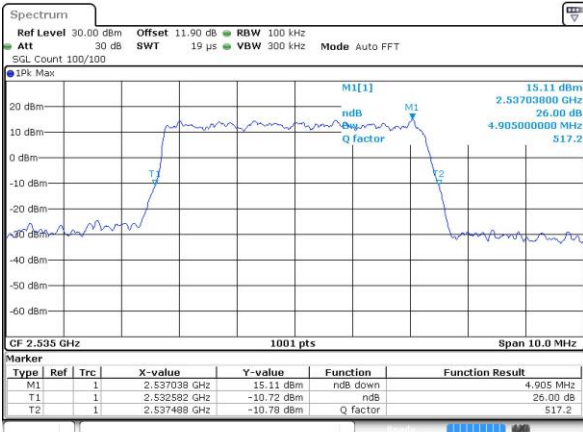
Date: 17 FEB 2017 11:13:50

Lowest Channel / 5MHz / 16QAM



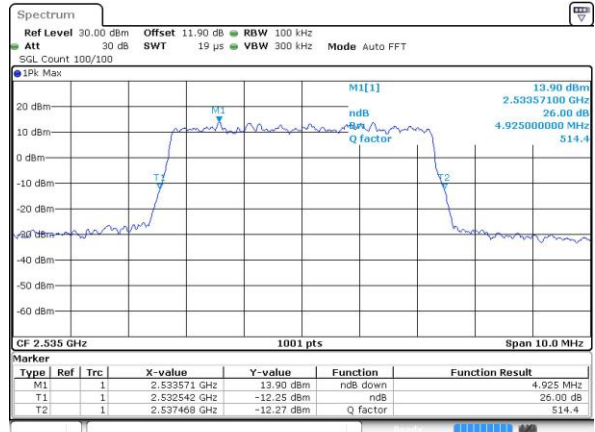
Date: 17 FEB 2017 11:14:00

Middle Channel / 5MHz / QPSK



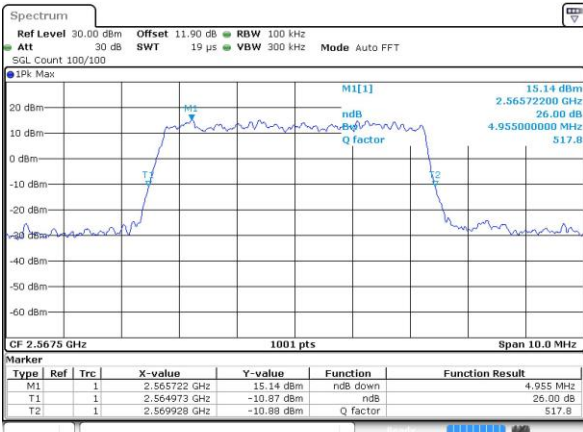
Date: 17 FEB 2017 11:20:58

Middle Channel / 5MHz / 16QAM



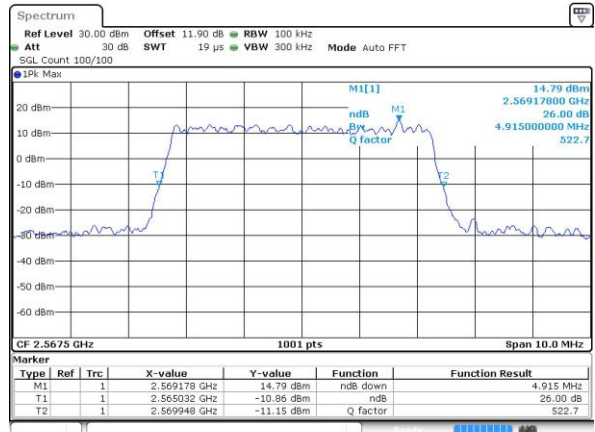
Date: 17 FEB 2017 11:21:08

Highest Channel / 5MHz / QPSK



Date: 17 FEB 2017 11:23:27

Highest Channel / 5MHz / 16QAM

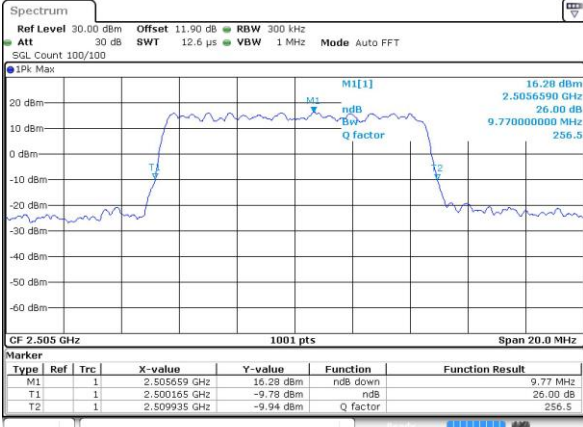


Date: 17 FEB 2017 11:23:37



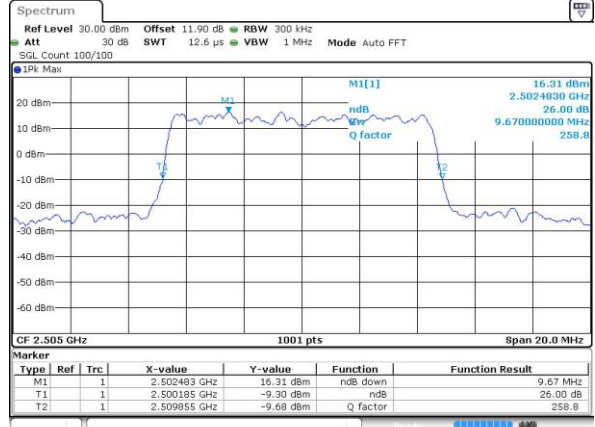
LTE Band 7

Lowest Channel / 10MHz / QPSK



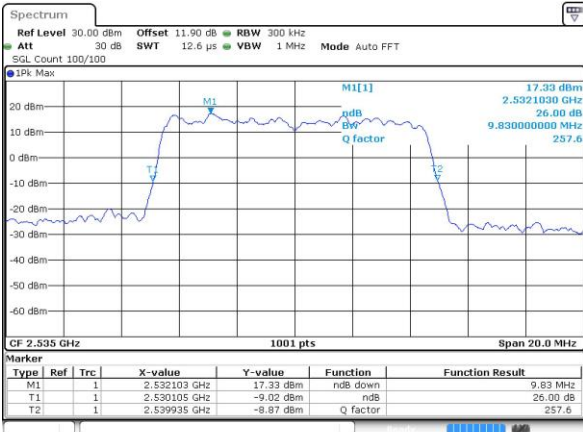
Date: 17 FEB 2017 11:30:35

Lowest Channel / 10MHz / 16QAM



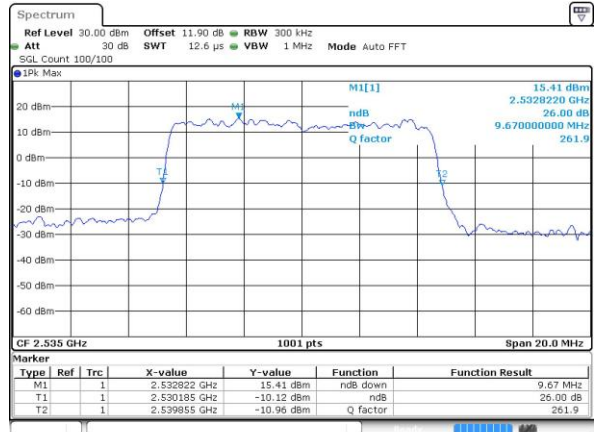
Date: 17 FEB 2017 11:30:45

Middle Channel / 10MHz / QPSK



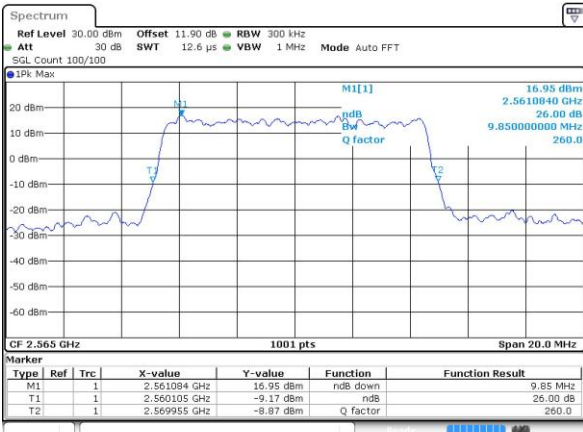
Date: 17 FEB 2017 11:37:43

Middle Channel / 10MHz / 16QAM



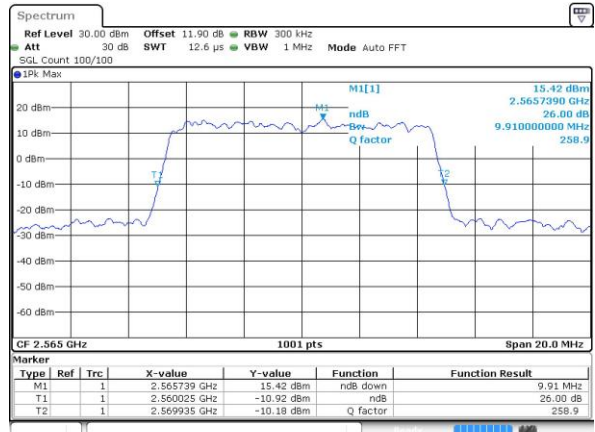
Date: 17 FEB 2017 11:37:53

Highest Channel / 10MHz / QPSK



Date: 17 FEB 2017 11:40:12

Highest Channel / 10MHz / 16QAM

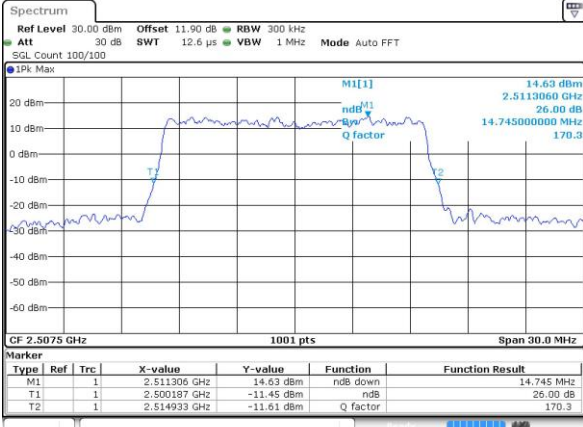


Date: 17 FEB 2017 11:40:22



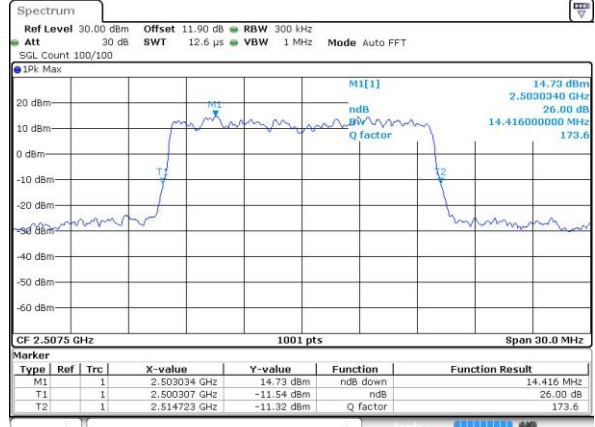
LTE Band 7

Lowest Channel / 15MHz / QPSK



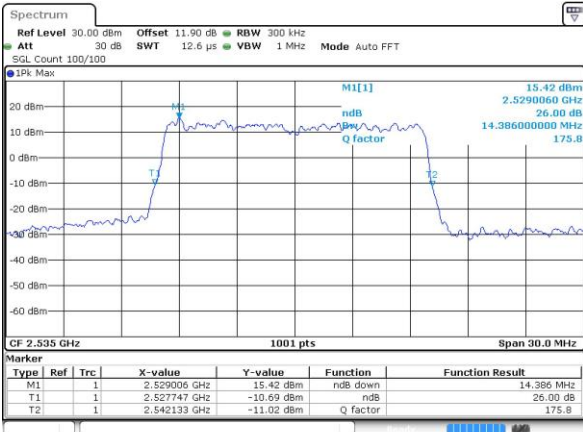
Date: 17 FEB 2017 11:47:20

Lowest Channel / 15MHz / 16QAM



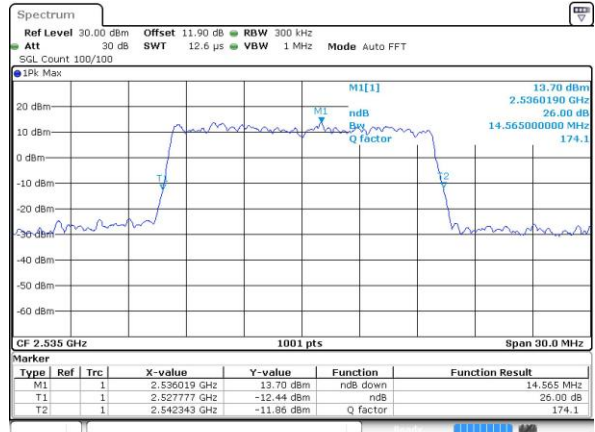
Date: 17 FEB 2017 11:47:30

Middle Channel / 15MHz / QPSK



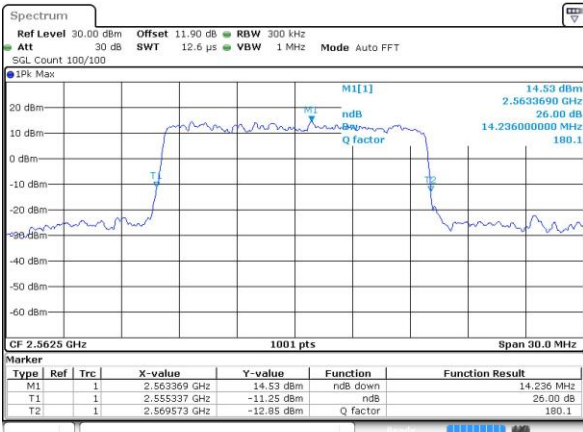
Date: 17 FEB 2017 11:54:28

Middle Channel / 15MHz / 16QAM



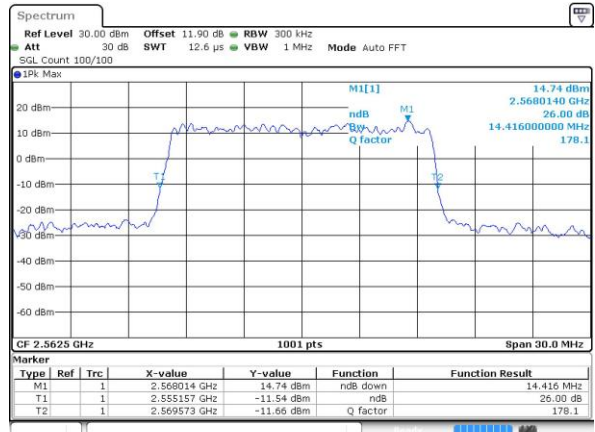
Date: 17 FEB 2017 11:54:38

Highest Channel / 15MHz / QPSK



Date: 17 FEB 2017 11:56:57

Highest Channel / 15MHz / 16QAM

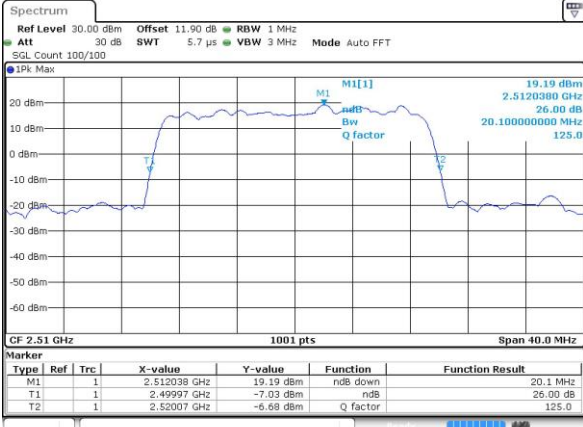


Date: 17 FEB 2017 11:57:07



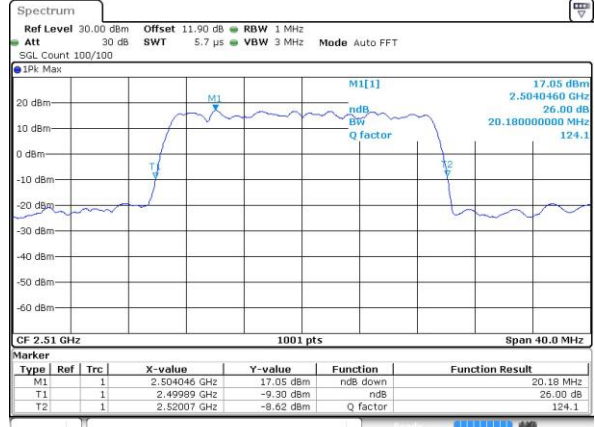
LTE Band 7

Lowest Channel / 20MHz / QPSK



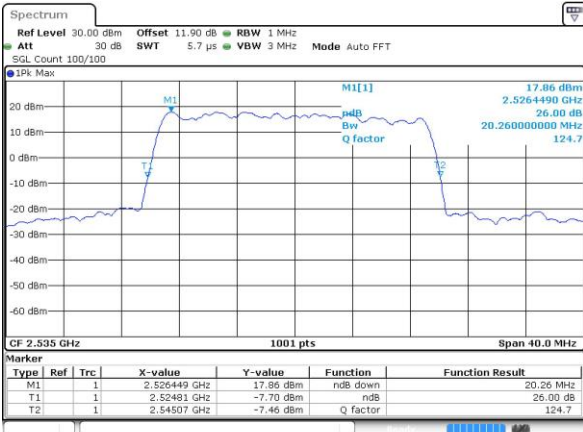
Date: 17 FEB 2017 12:04:04

Lowest Channel / 20MHz / 16QAM



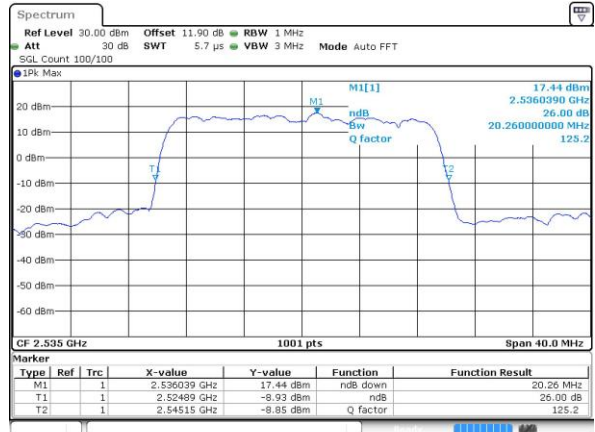
Date: 17 FEB 2017 12:04:15

Middle Channel / 20MHz / QPSK



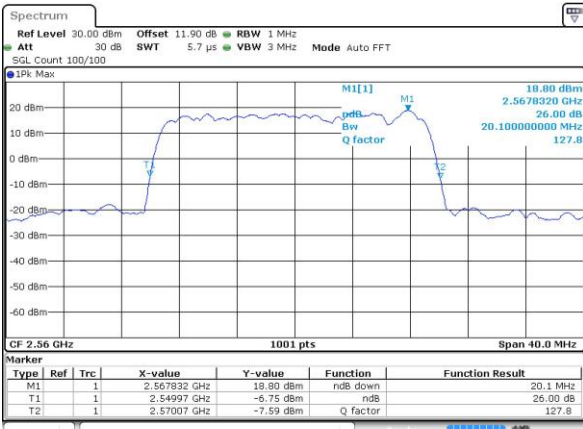
Date: 17 FEB 2017 12:11:11

Middle Channel / 20MHz / 16QAM



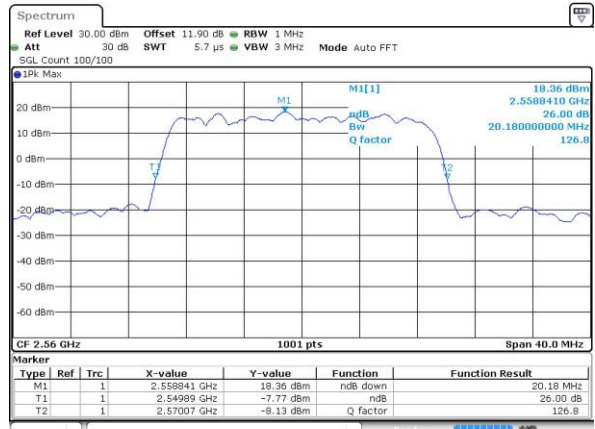
Date: 17 FEB 2017 12:11:21

Highest Channel / 20MHz / QPSK



Date: 17 FEB 2017 12:13:39

Highest Channel / 20MHz / 16QAM



Date: 17 FEB 2017 12:13:50



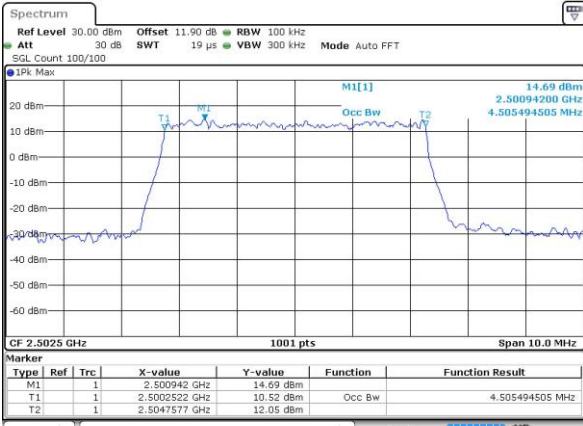
Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.51	4.5	9.07	9.03	13.43	13.52	18.42	18.46
Middle CH	-	-	-	-	4.48	4.47	8.99	9.01	13.4	13.4	18.5	18.34
Highest CH	-	-	-	-	4.49	4.48	9.05	9.01	13.49	13.46	18.38	18.34



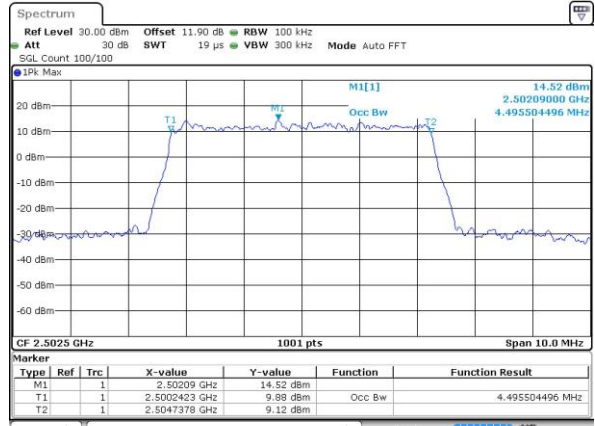
LTE Band 7

Lowest Channel / 5MHz / QPSK



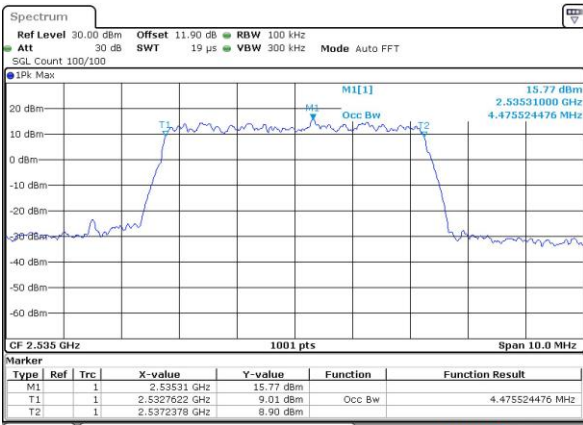
Date: 17 FEB 2017 11:13:29

Lowest Channel / 5MHz / 16QAM



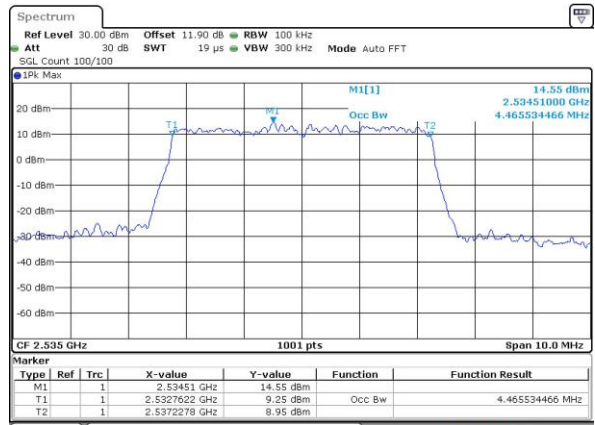
Date: 17 FEB 2017 11:13:39

Middle Channel / 5MHz / QPSK



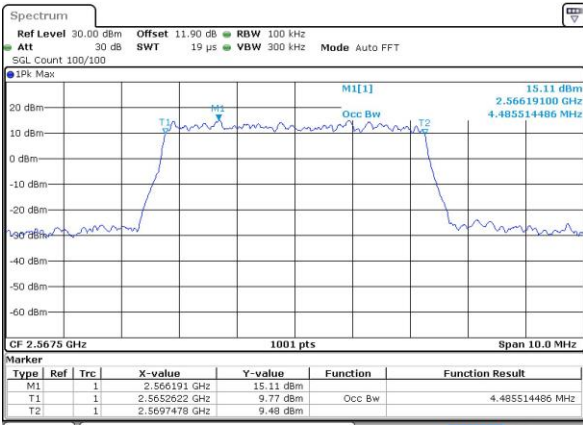
Date: 17 FEB 2017 11:20:37

Middle Channel / 5MHz / 16QAM



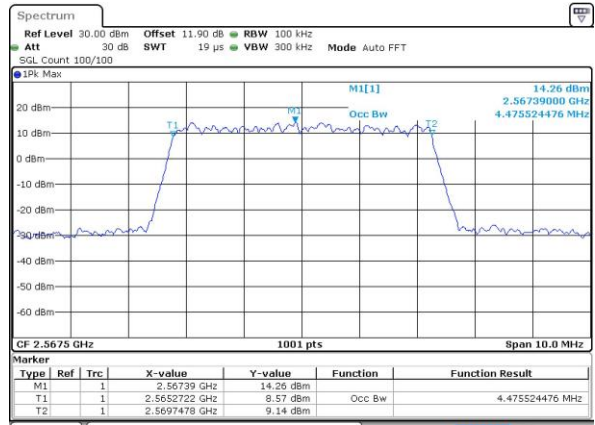
Date: 17 FEB 2017 11:20:47

Highest Channel / 5MHz / QPSK



Date: 17 FEB 2017 11:23:06

Highest Channel / 5MHz / 16QAM

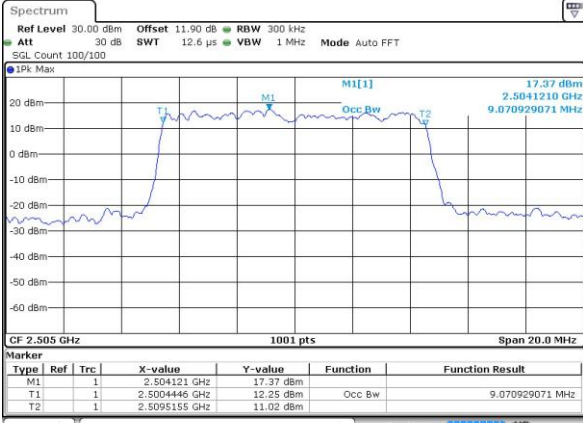


Date: 17 FEB 2017 11:23:16



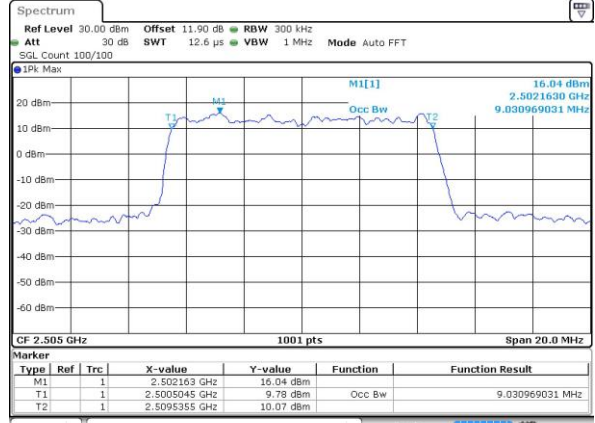
LTE Band 7

Lowest Channel / 10MHz / QPSK



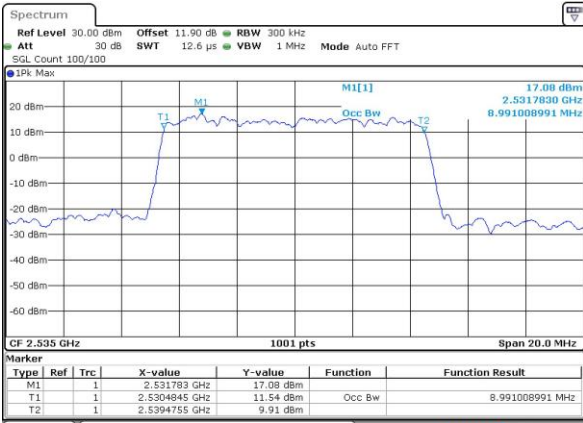
Date: 17 FEB 2017 11:30:14

Lowest Channel / 10MHz / 16QAM



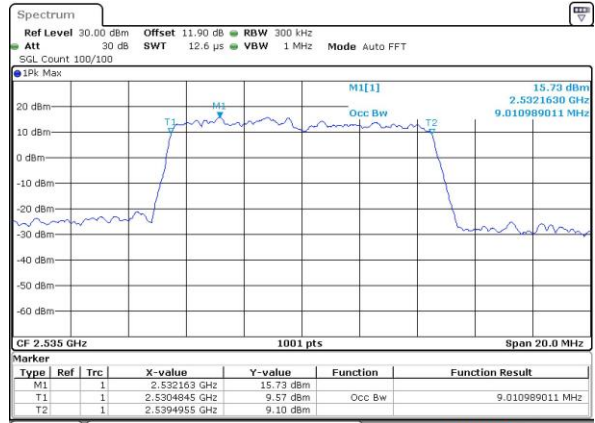
Date: 17 FEB 2017 11:30:24

Middle Channel / 10MHz / QPSK



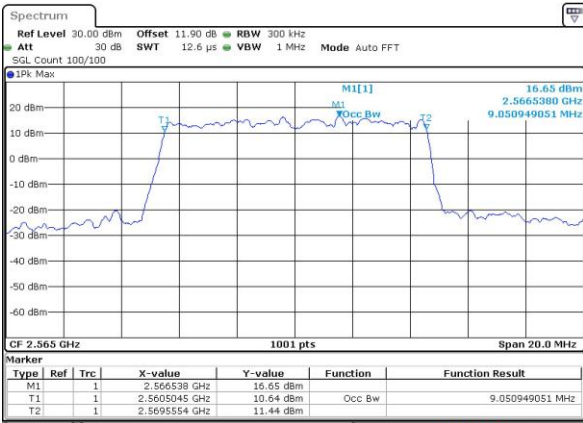
Date: 17 FEB 2017 11:37:22

Middle Channel / 10MHz / 16QAM



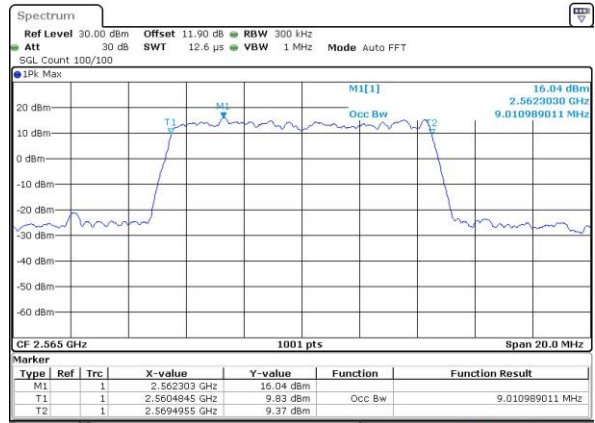
Date: 17 FEB 2017 11:37:32

Highest Channel / 10MHz / QPSK



Date: 17 FEB 2017 11:39:51

Highest Channel / 10MHz / 16QAM



Date: 17 FEB 2017 11:40:02