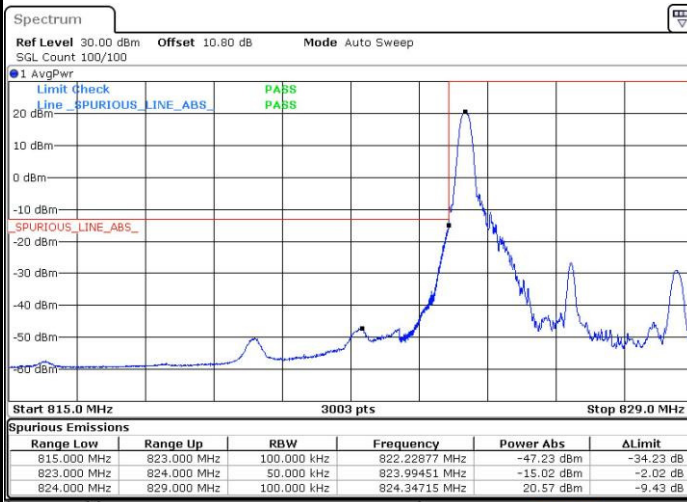




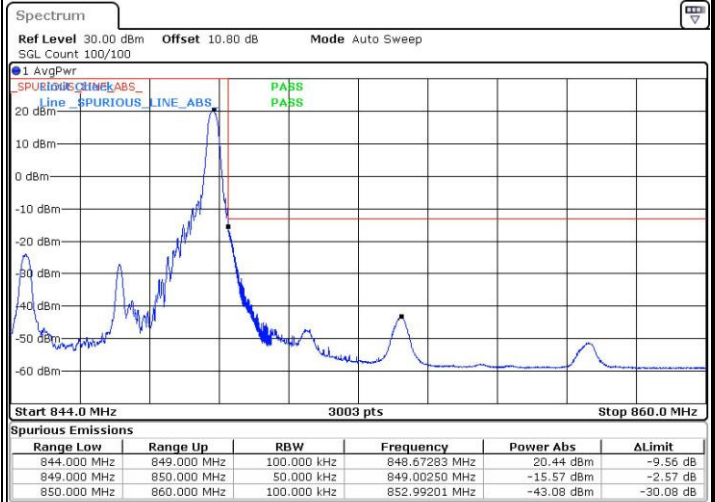
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



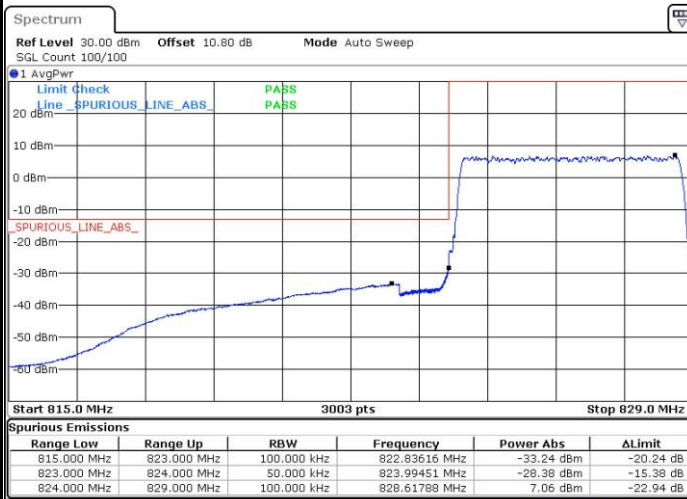
Date: 6 FEB 2017 14:28:30

Highest Band Edge / 1 RB



Date: 6 FEB 2017 14:40:06

Lowest Band Edge / Full RB



Date: 6 FEB 2017 14:31:48

Highest Band Edge / Full RB

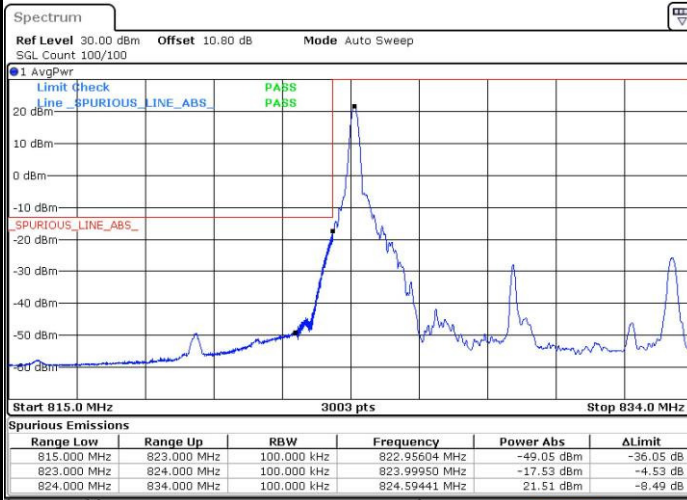


Date: 6 FEB 2017 14:43:25



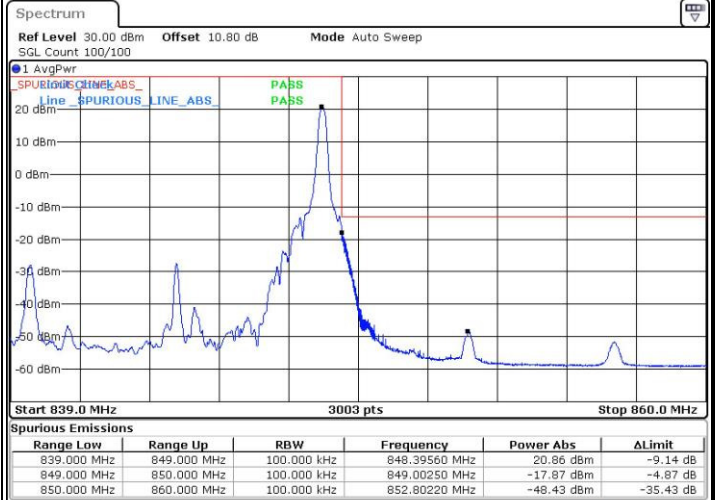
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



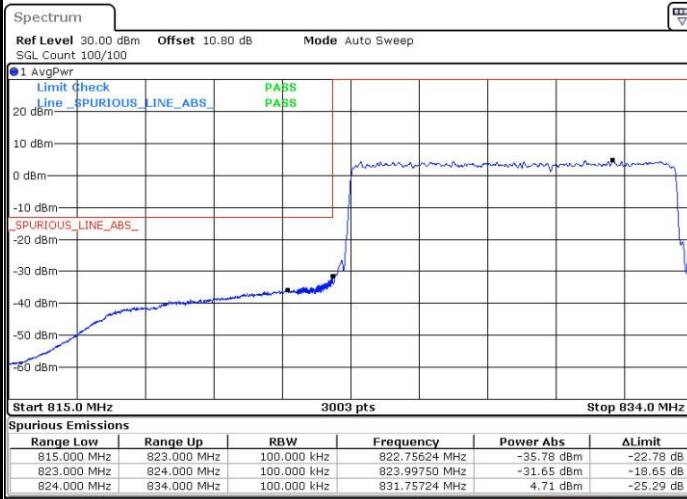
Date: 6 FEB 2017 14:47:34

Highest Band Edge / 1 RB



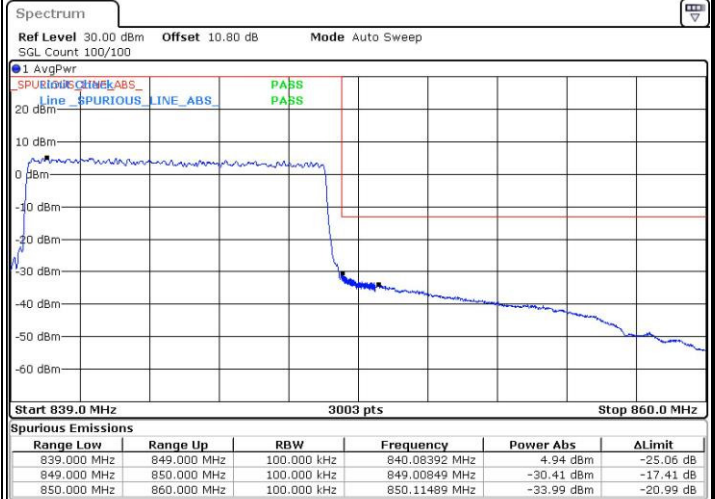
Date: 6 FEB 2017 14:59:11

Lowest Band Edge / Full RB



Date: 6 FEB 2017 14:50:52

Highest Band Edge / Full RB

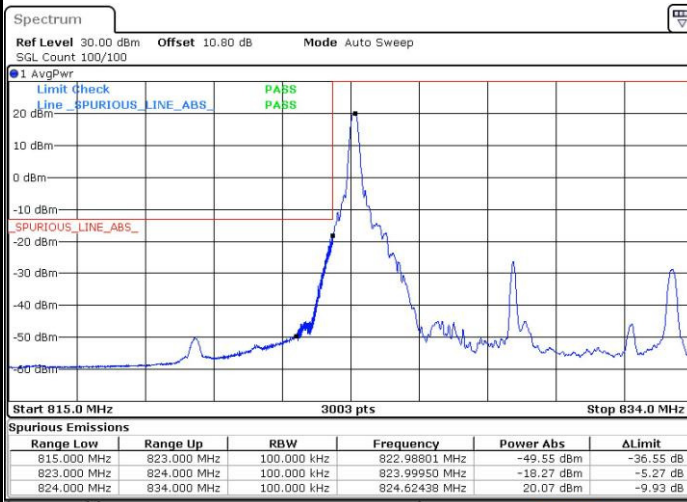


Date: 6 FEB 2017 15:02:29



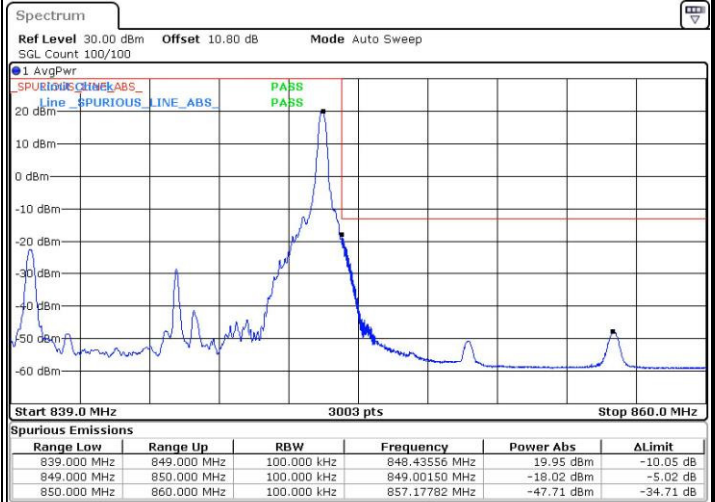
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



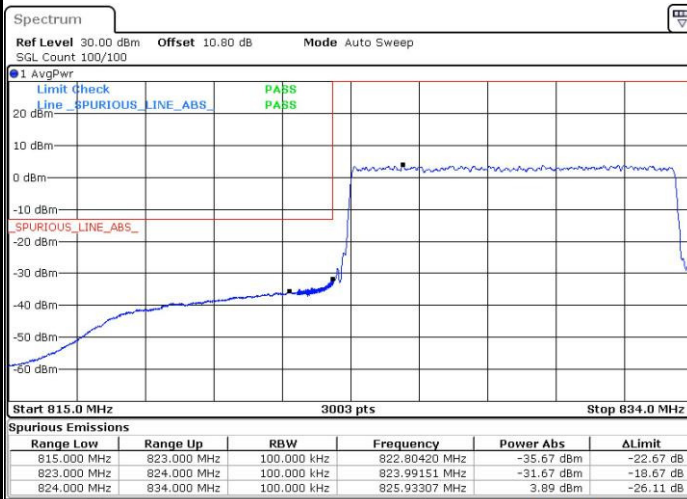
Date: 6 FEB 2017 14:49:13

Highest Band Edge / 1 RB



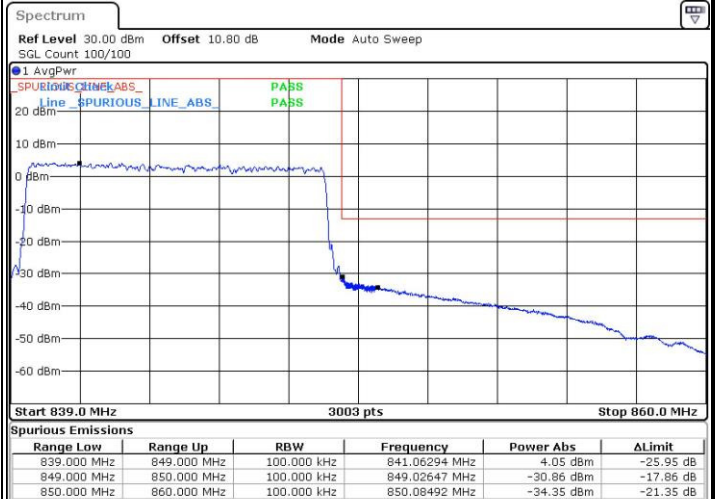
Date: 6 FEB 2017 15:00:50

Lowest Band Edge / Full RB



Date: 6 FEB 2017 14:52:31

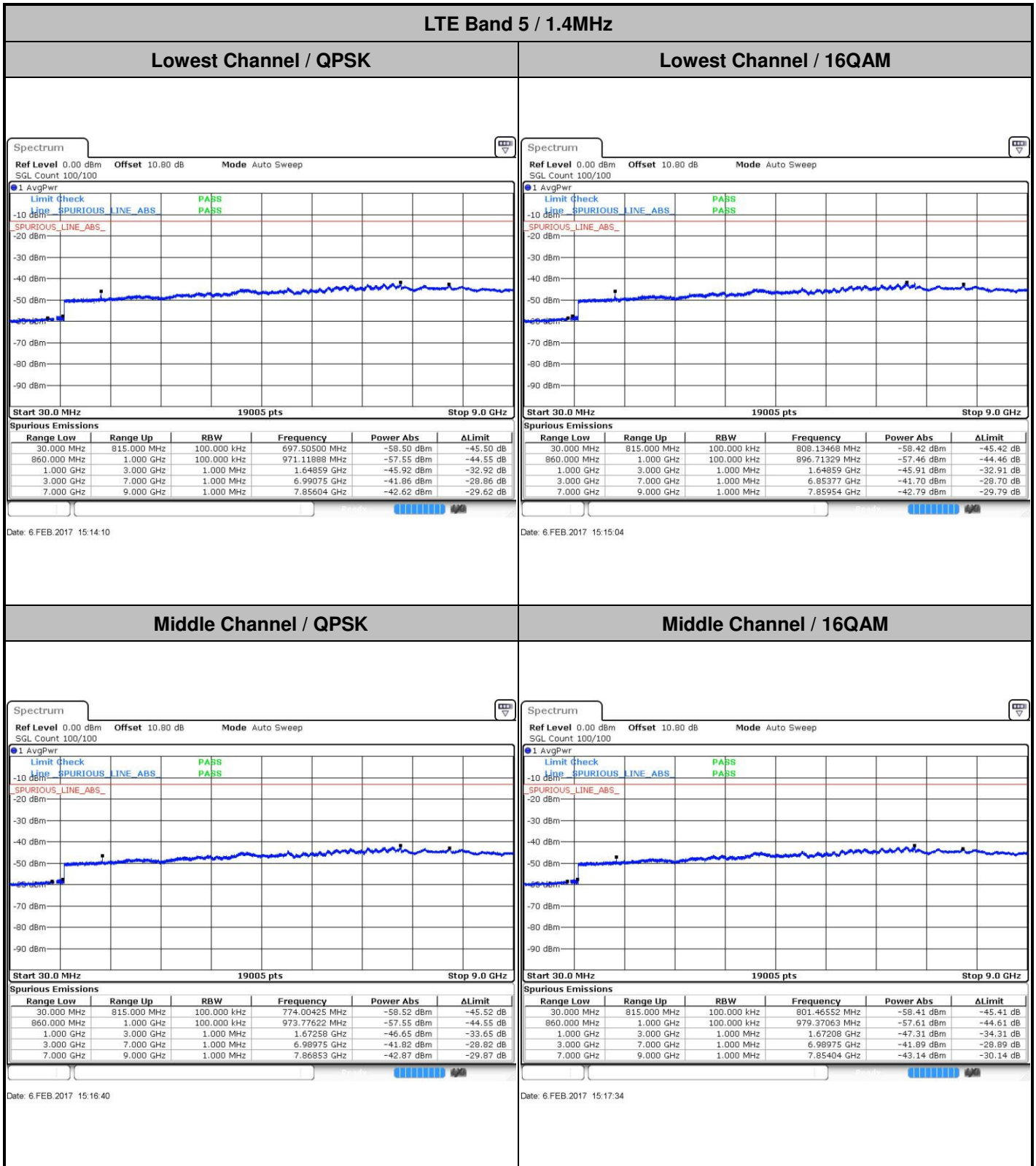
Highest Band Edge / Full RB



Date: 6 FEB 2017 15:04:09



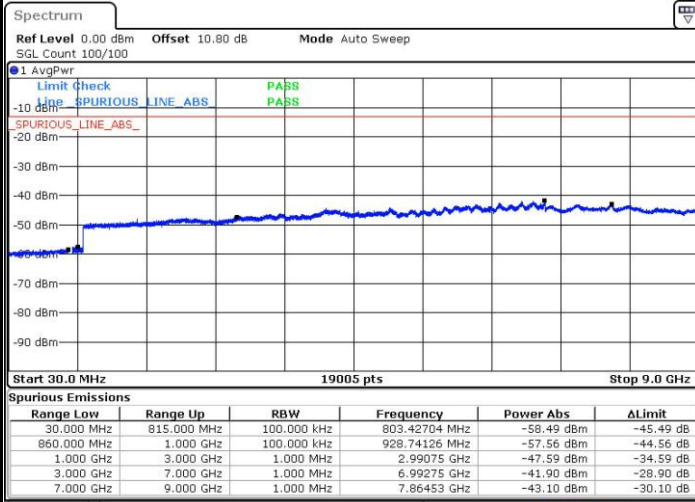
Conducted Spurious Emission





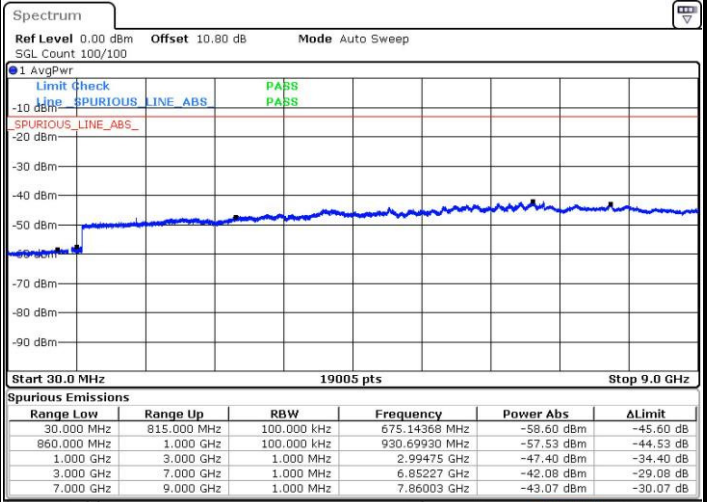
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 6 FEB 2017 15:25:46

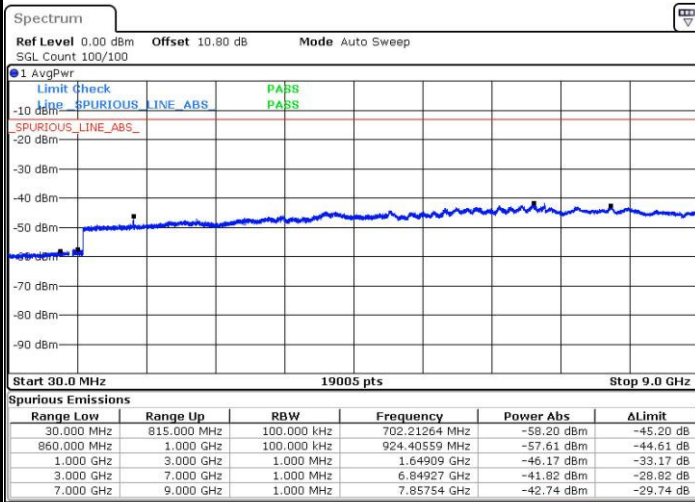
Highest Channel / 16QAM



Date: 6 FEB 2017 15:26:40

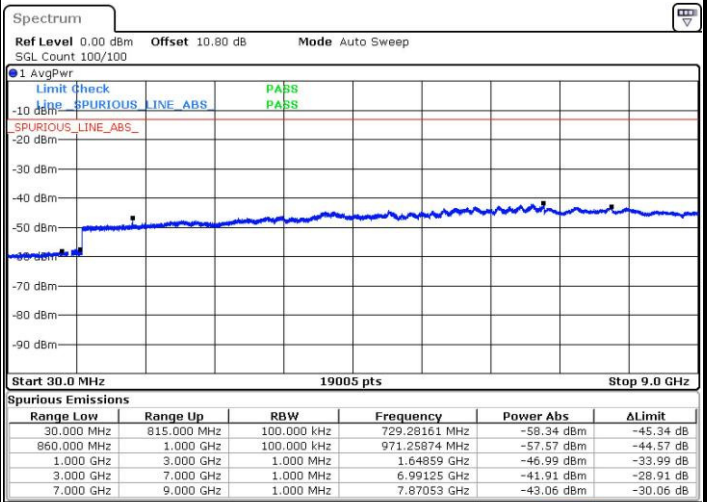
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 6 FEB 2017 14:12:00

Lowest Channel / 16QAM



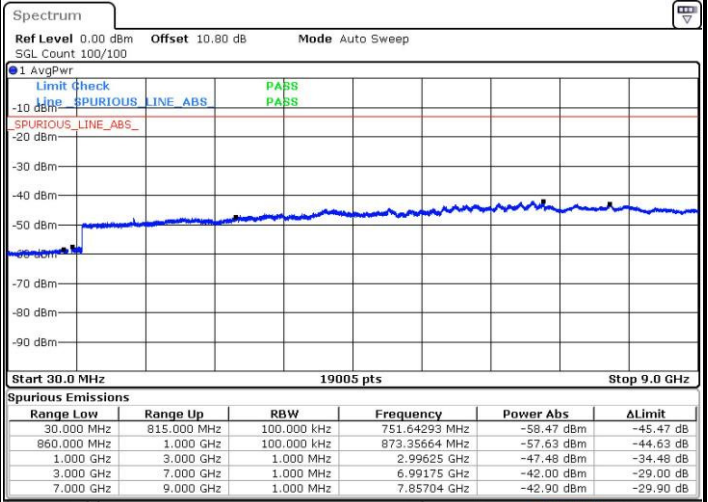
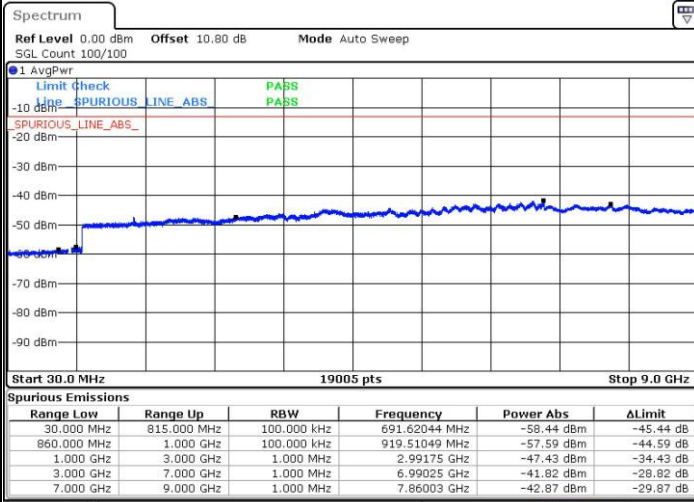
Date: 6 FEB 2017 14:12:54



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

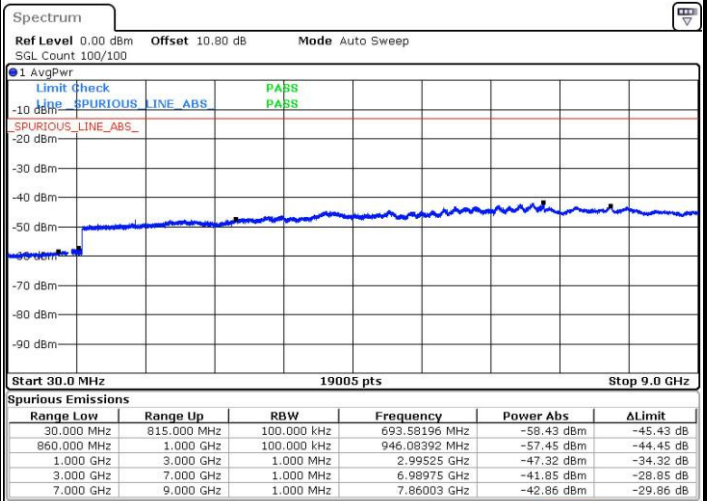
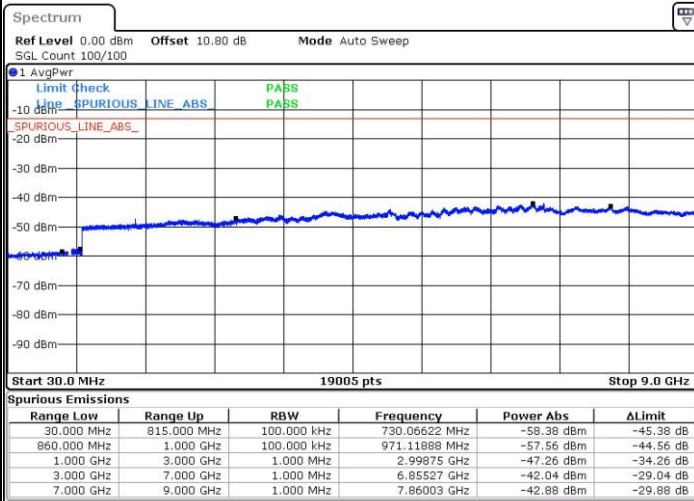


Date: 6 FEB 2017 14:14:30

Date: 6 FEB 2017 14:15:24

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 FEB 2017 14:23:37

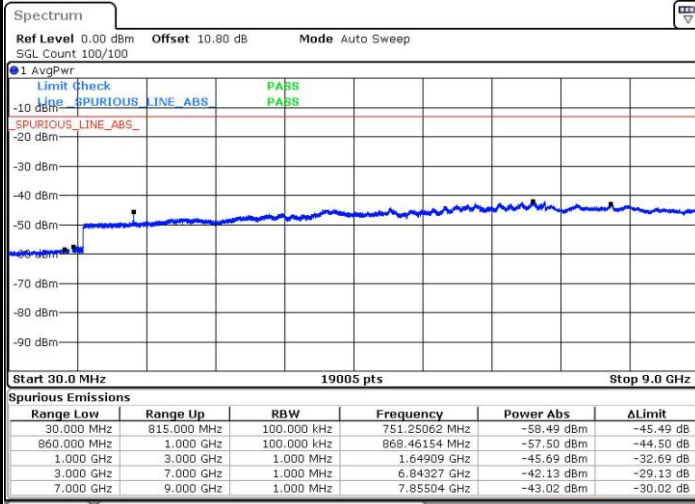
Date: 6 FEB 2017 14:24:31



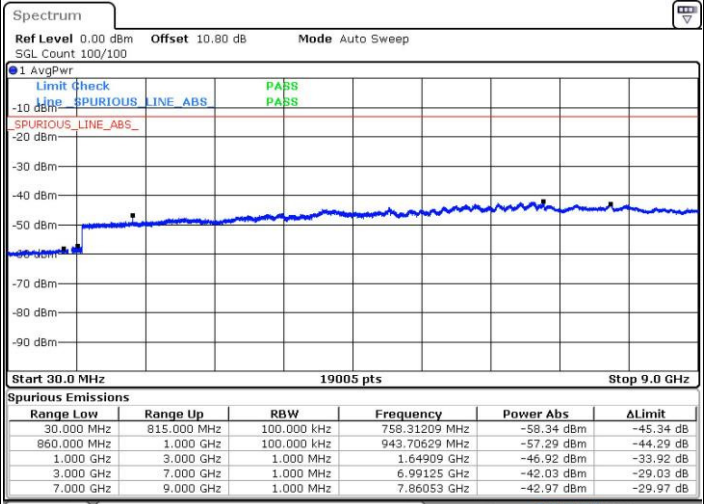
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



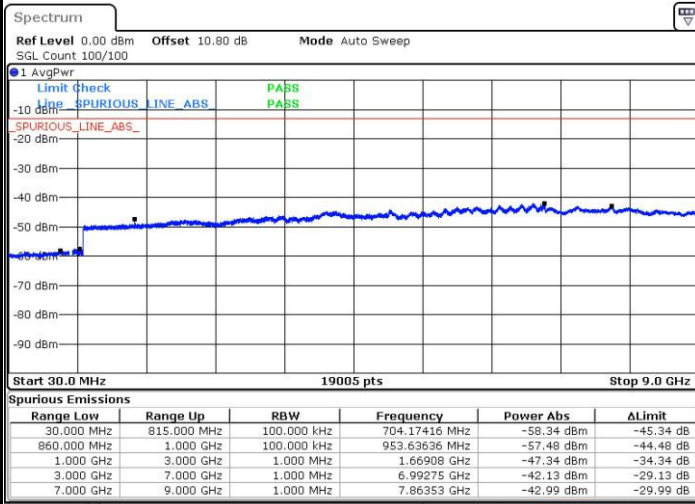
Date: 6 FEB 2017 14:32:43



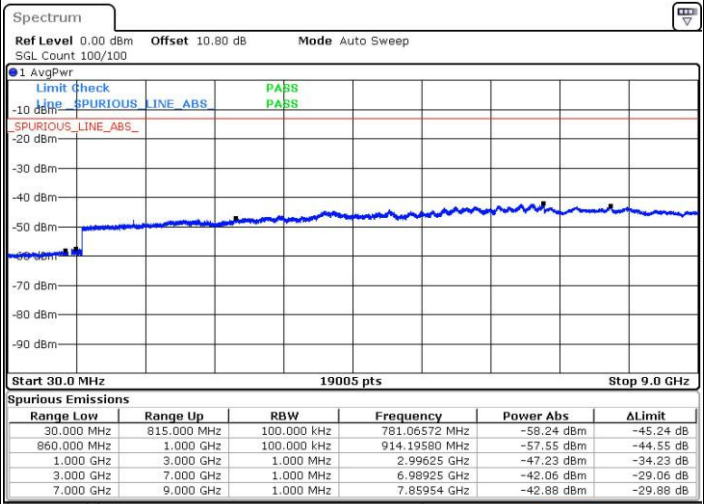
Date: 6 FEB 2017 14:33:37

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 6 FEB 2017 14:35:13

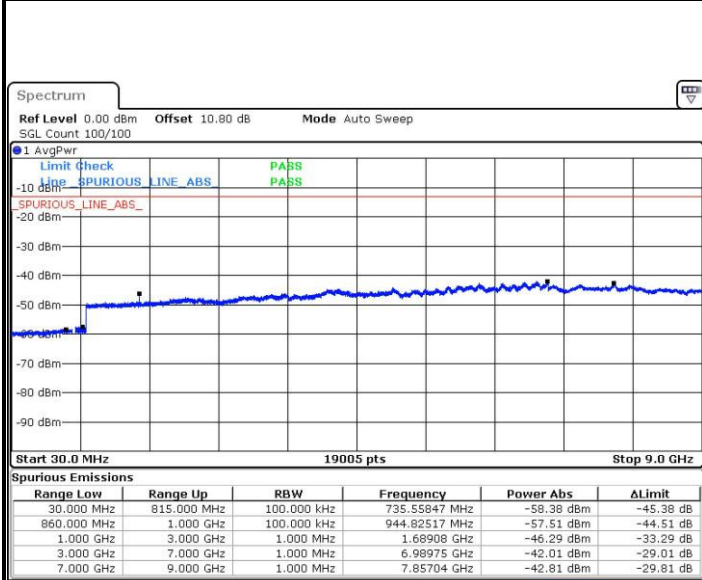


Date: 6 FEB 2017 14:36:07



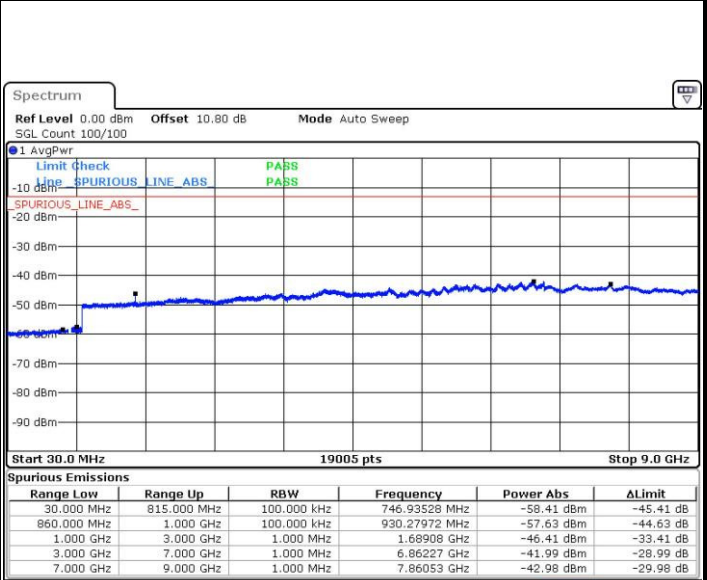
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 6 FEB 2017 14:44:19

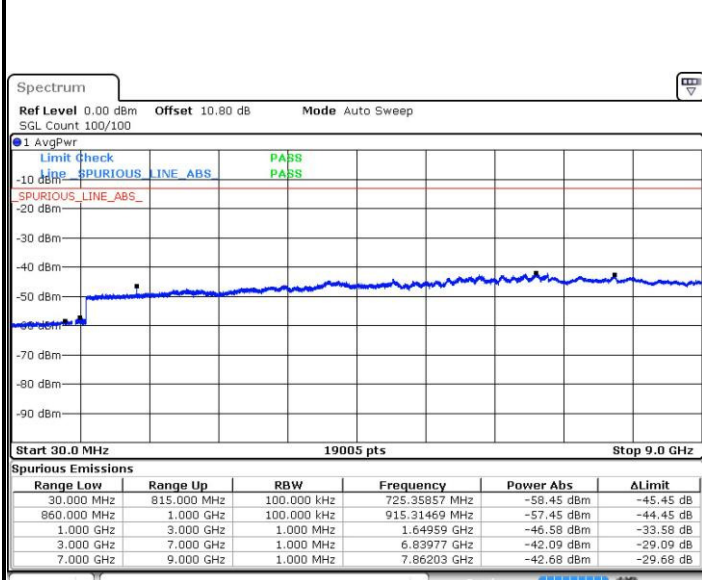
Highest Channel / 16QAM



Date: 6 FEB 2017 14:45:14

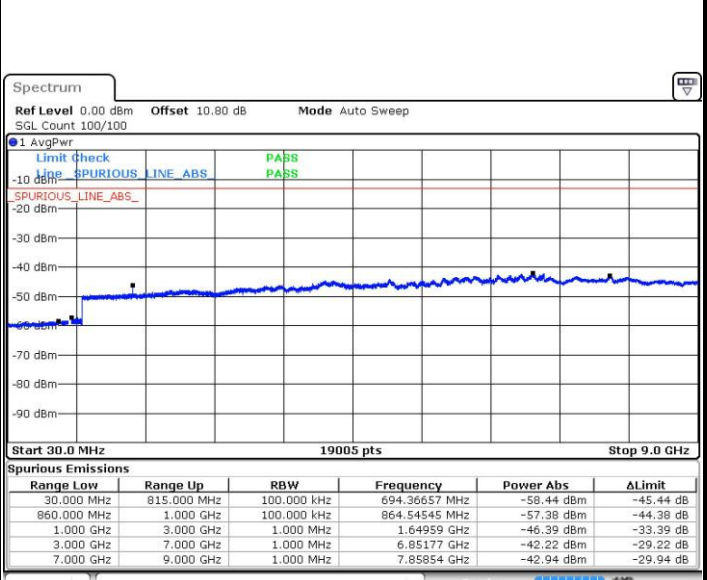
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 6 FEB 2017 14:53:26

Lowest Channel / 16QAM



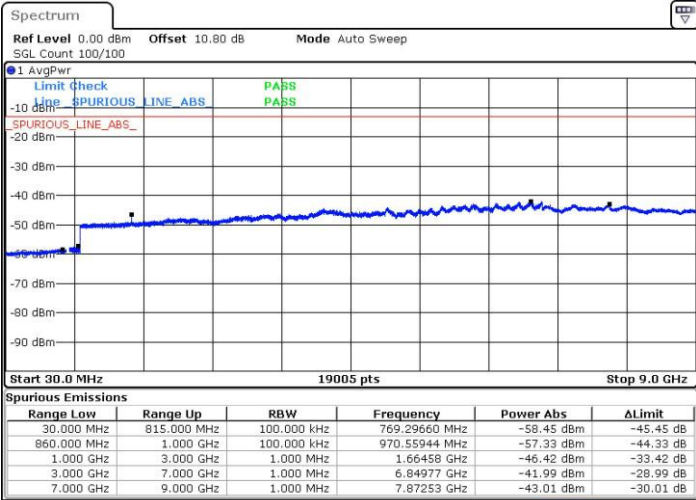
Date: 6 FEB 2017 14:54:20



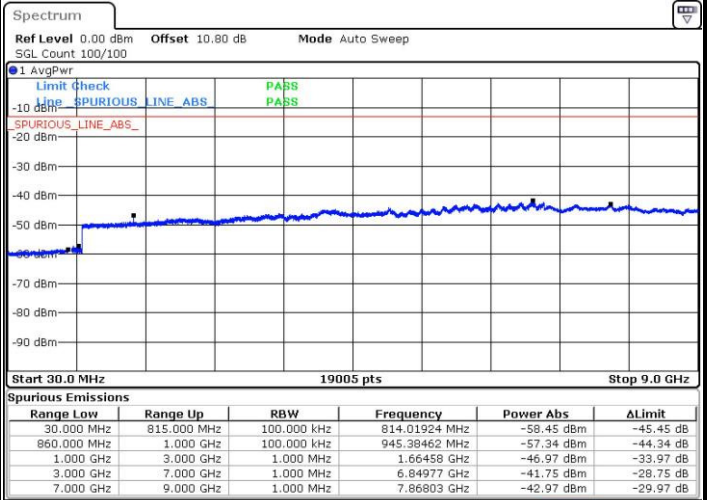
LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



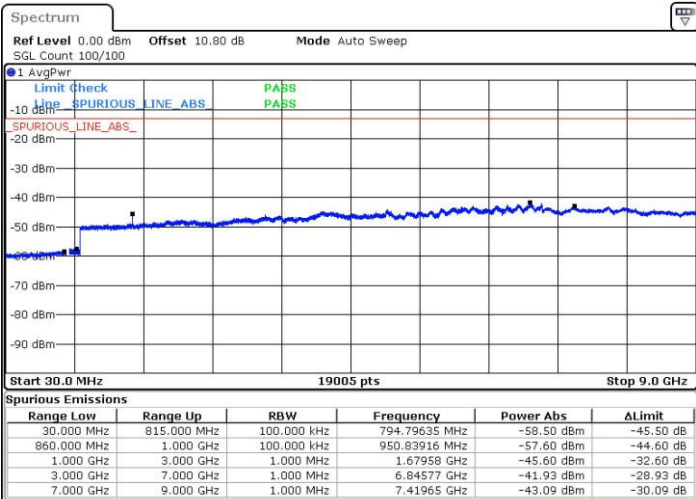
Date: 6 FEB 2017 14:55:56



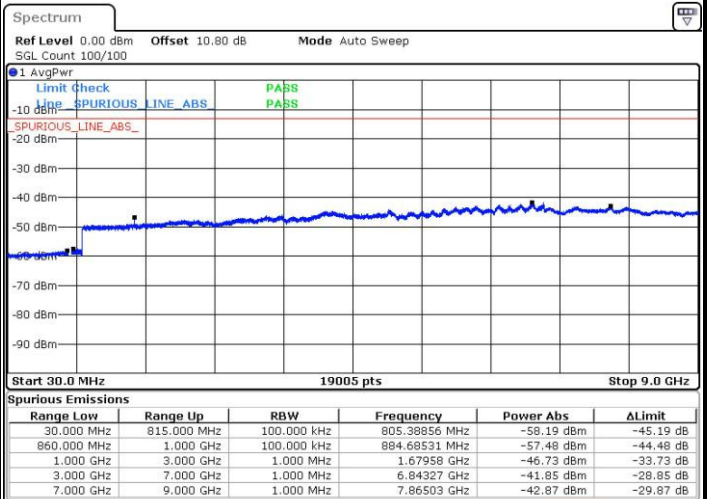
Date: 6 FEB 2017 14:56:51

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 FEB 2017 15:05:03



Date: 6 FEB 2017 15:05:58



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	0.0072	PASS
40	Normal Voltage	0.0084	
30	Normal Voltage	0.0099	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0104	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0074	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0084	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 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	3.3	4.81	4.17	5.65	PASS
Middle CH	3.68	4.84	4.9	5.65	
Highest CH	3.68	4.84	4.87	5.77	



LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 6 FEB 2017 16:45:27

Lowest Channel / Full RB



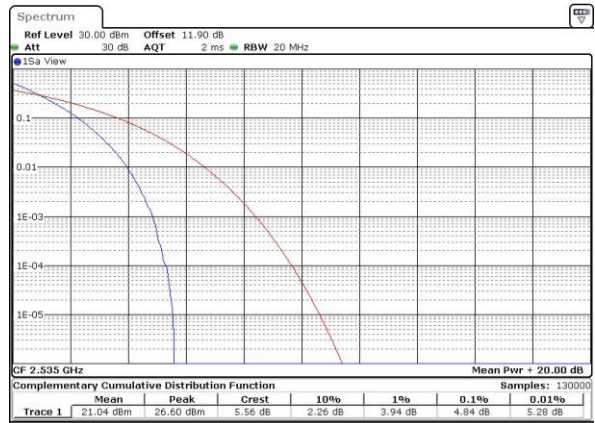
Date: 6 FEB 2017 16:46:28

Middle Channel / 1RB



Date: 6 FEB 2017 16:46:53

Middle Channel / Full RB



Date: 6 FEB 2017 16:47:11

Highest Channel / 1RB



Date: 6 FEB 2017 16:49:34

Highest Channel / Full RB

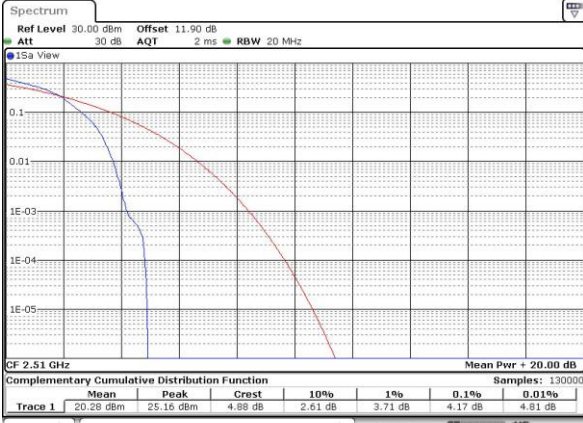


Date: 6 FEB 2017 16:53:28



LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



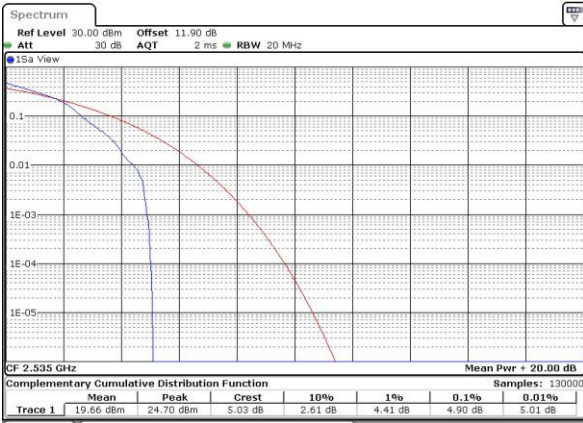
Date: 6 FEB 2017 16:43:42

Lowest Channel / Full RB



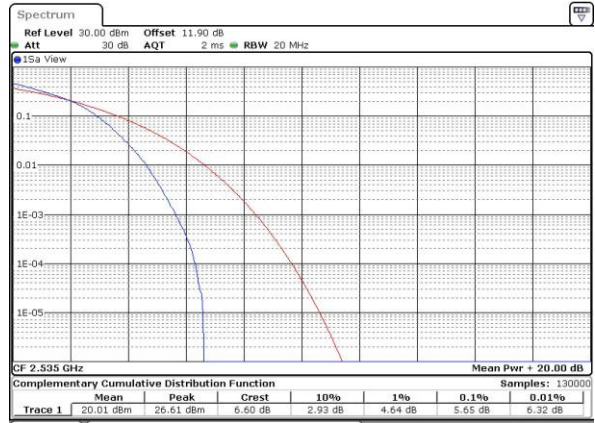
Date: 6 FEB 2017 16:44:13

Middle Channel / 1RB



Date: 6 FEB 2017 16:44:24

Middle Channel / Full RB



Date: 6 FEB 2017 16:44:34

Highest Channel / 1RB



Date: 6 FEB 2017 16:44:55

Highest Channel / Full RB



Date: 6 FEB 2017 16:45:17



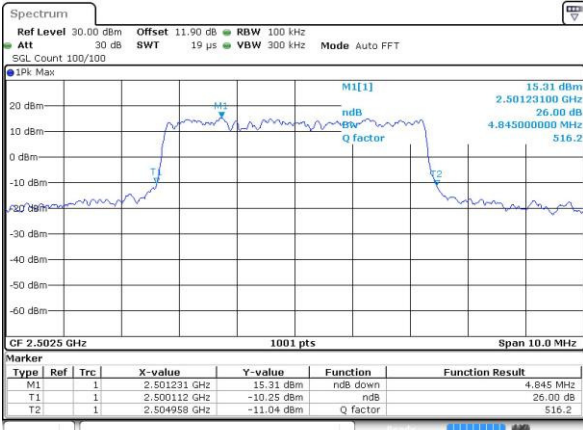
26dB Bandwidth

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	-	-	-	-	4.85	4.96	9.71	10.05	14.27	14.42	20.30	20.26
Middle CH	-	-	-	-	4.94	4.91	9.95	9.87	14.45	14.36	20.14	20.22
Highest CH	-	-	-	-	5.06	5.01	9.95	9.85	14.51	14.18	20.30	20.14



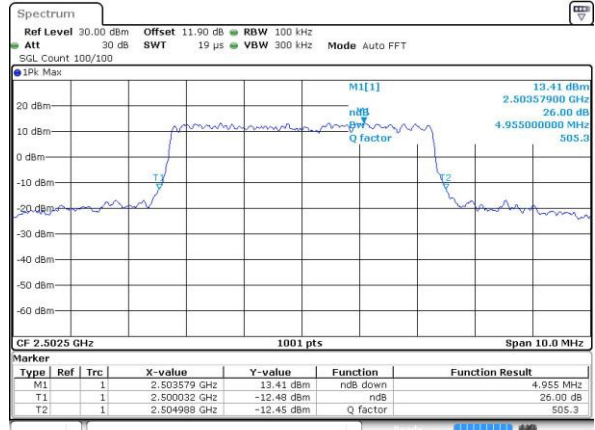
LTE Band 7

Lowest Channel / 5MHz / QPSK



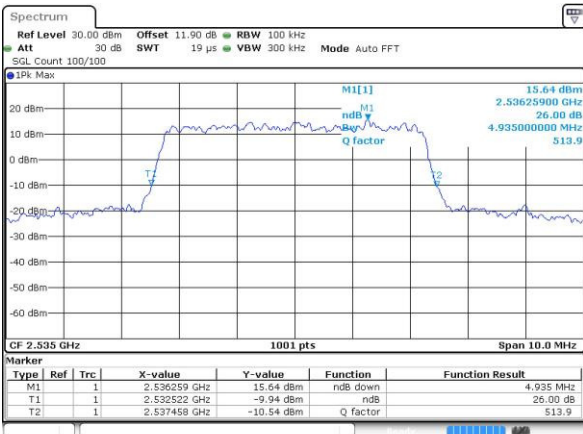
Date: 6 FEB 2017 15:35:51

Lowest Channel / 5MHz / 16QAM



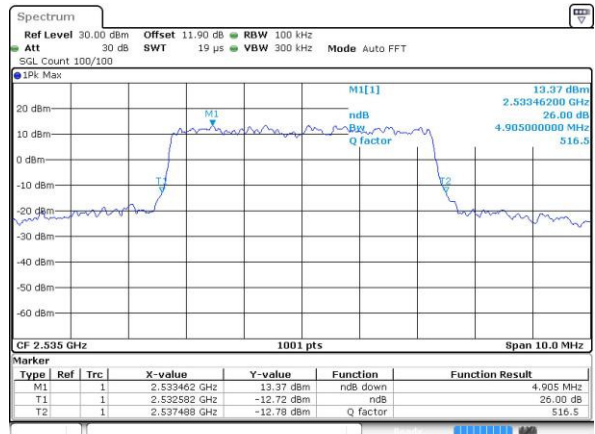
Date: 6 FEB 2017 15:36:01

Middle Channel / 5MHz / QPSK



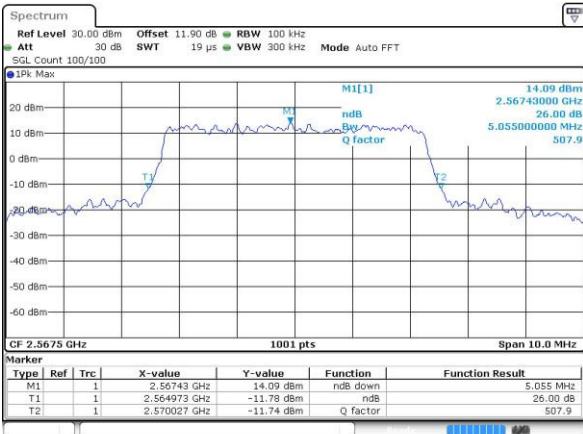
Date: 6 FEB 2017 15:42:59

Middle Channel / 5MHz / 16QAM



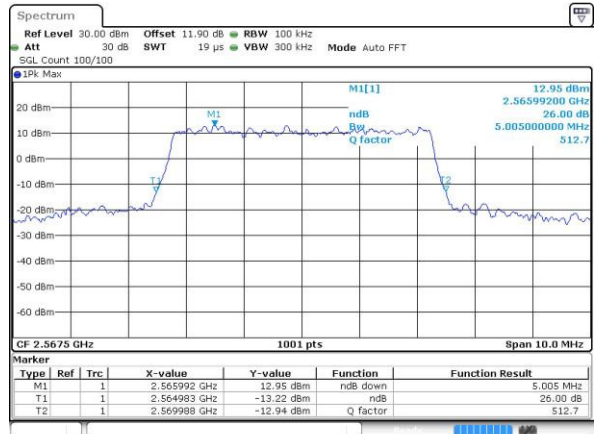
Date: 6 FEB 2017 15:43:09

Highest Channel / 5MHz / QPSK



Date: 6 FEB 2017 15:45:28

Highest Channel / 5MHz / 16QAM

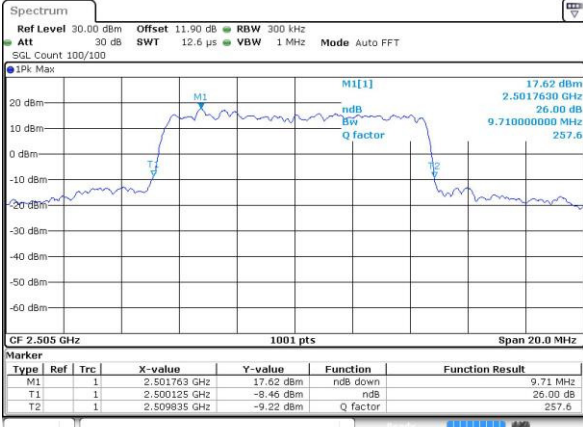


Date: 6 FEB 2017 15:45:39



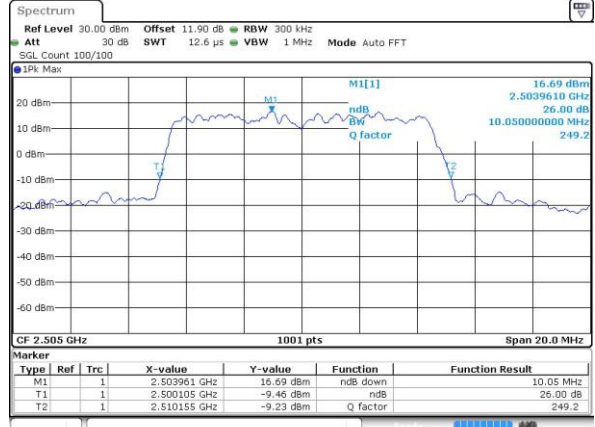
LTE Band 7

Lowest Channel / 10MHz / QPSK



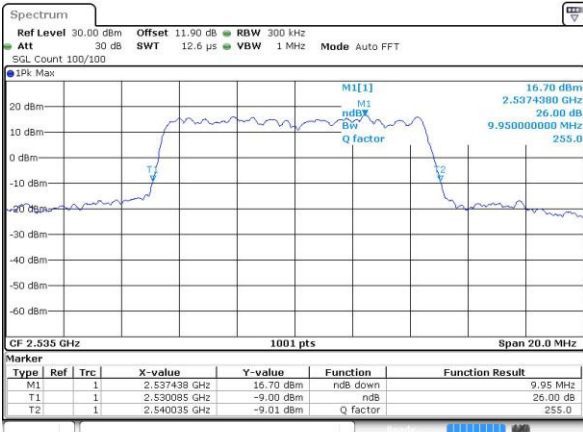
Date: 6 FEB 2017 15:52:37

Lowest Channel / 10MHz / 16QAM



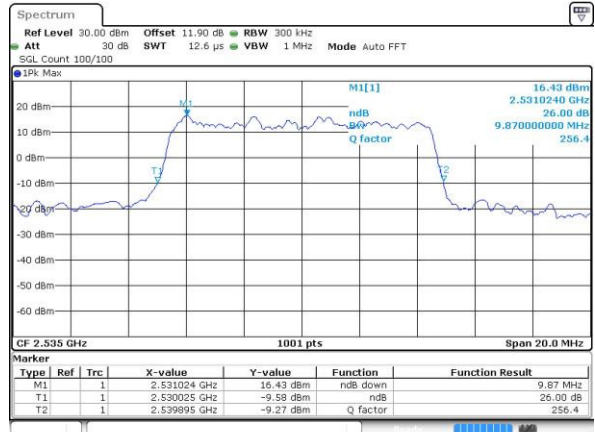
Date: 6 FEB 2017 15:52:47

Middle Channel / 10MHz / QPSK



Date: 6 FEB 2017 15:59:45

Middle Channel / 10MHz / 16QAM



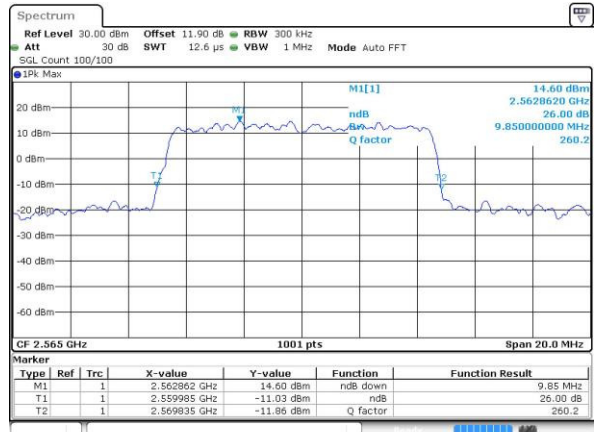
Date: 6 FEB 2017 15:59:55

Highest Channel / 10MHz / QPSK



Date: 6 FEB 2017 16:02:14

Highest Channel / 10MHz / 16QAM

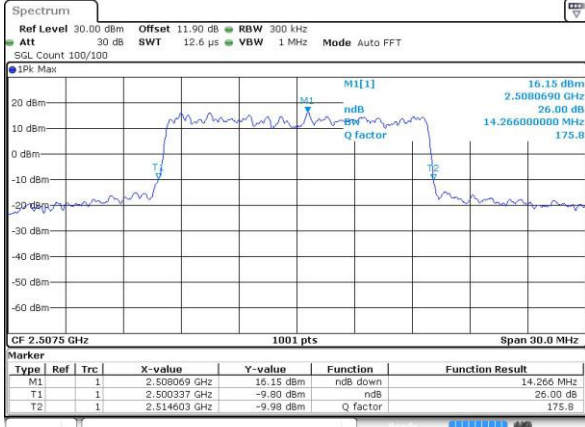


Date: 6 FEB 2017 16:02:24



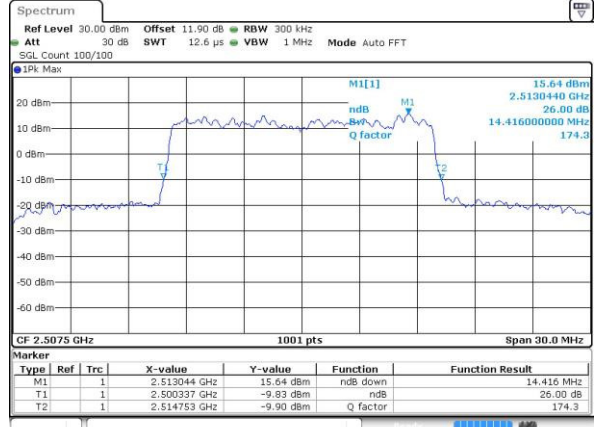
LTE Band 7

Lowest Channel / 15MHz / QPSK



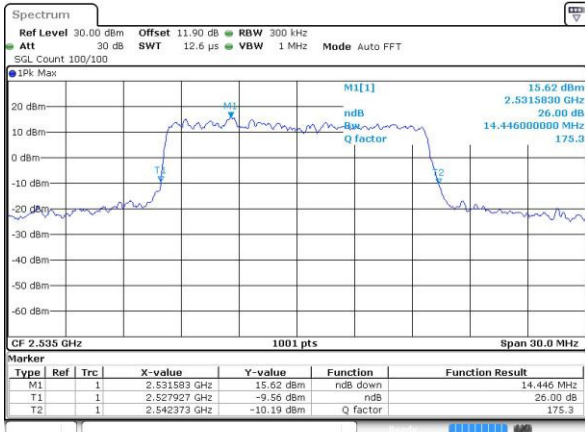
Date: 6 FEB 2017 16:09:21

Lowest Channel / 15MHz / 16QAM



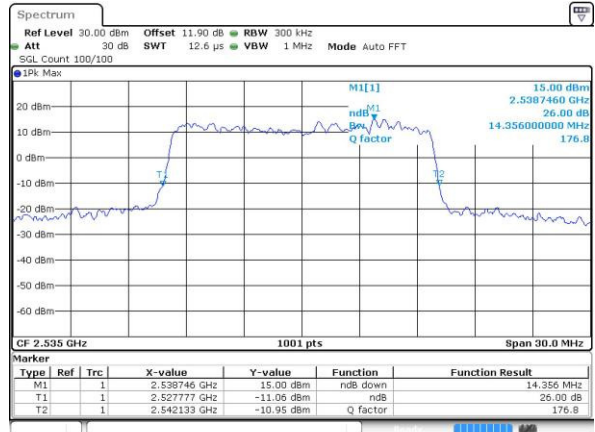
Date: 6 FEB 2017 16:09:32

Middle Channel / 15MHz / QPSK



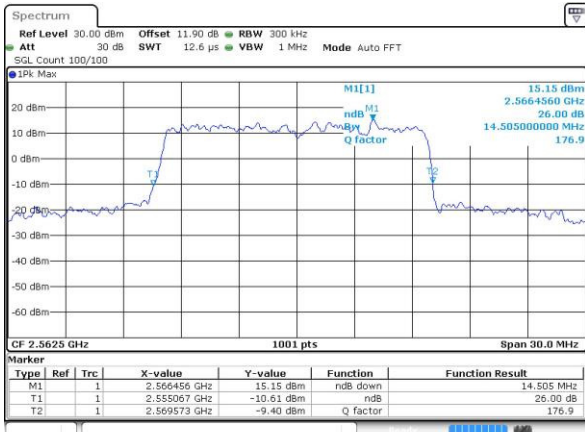
Date: 6 FEB 2017 16:16:29

Middle Channel / 15MHz / 16QAM



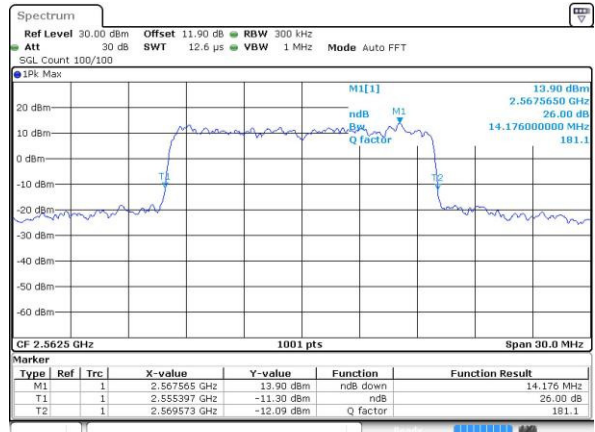
Date: 6 FEB 2017 16:16:40

Highest Channel / 15MHz / QPSK



Date: 6 FEB 2017 16:18:58

Highest Channel / 15MHz / 16QAM

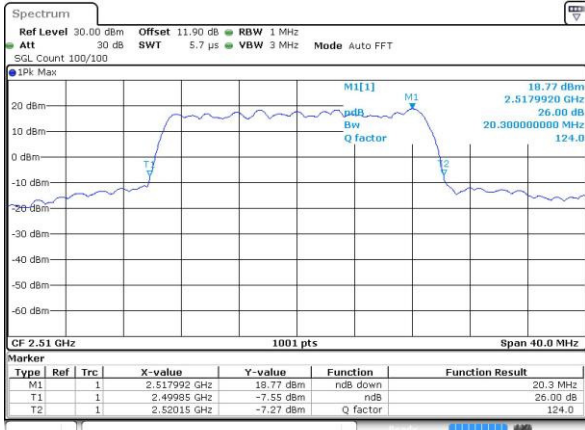


Date: 6 FEB 2017 16:19:09



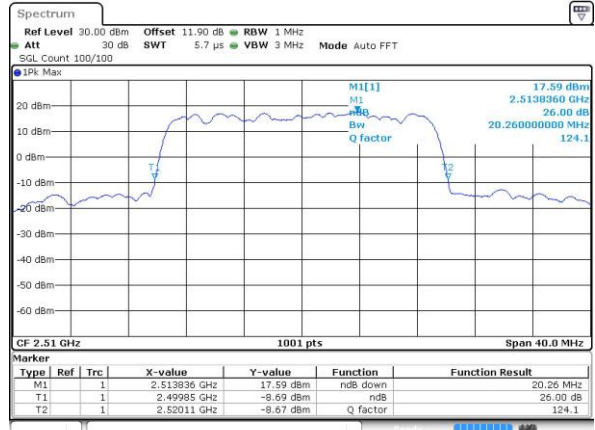
LTE Band 7

Lowest Channel / 20MHz / QPSK



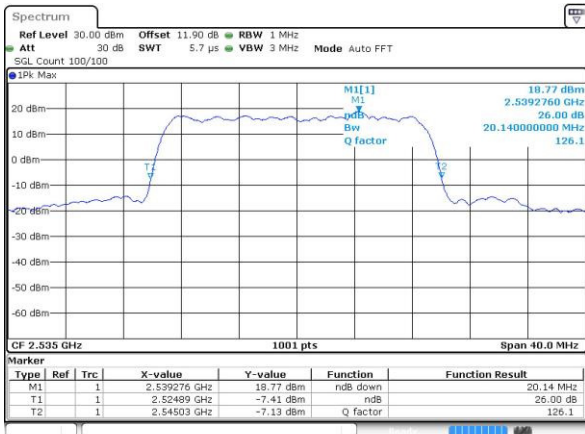
Date: 6 FEB 2017 16:26:06

Lowest Channel / 20MHz / 16QAM



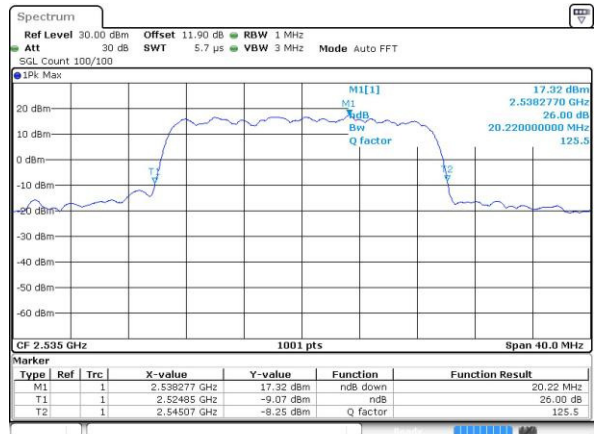
Date: 6 FEB 2017 16:26:17

Middle Channel / 20MHz / QPSK



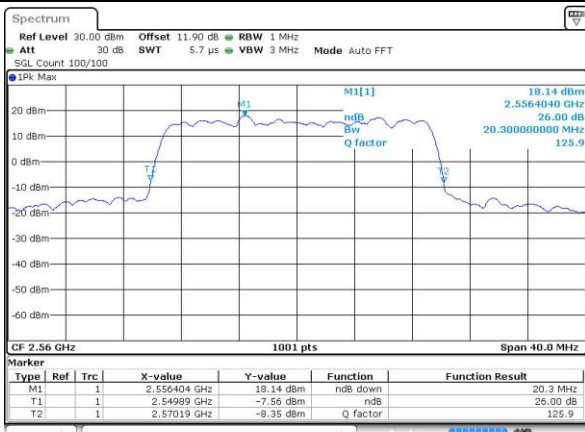
Date: 6 FEB 2017 16:33:14

Middle Channel / 20MHz / 16QAM



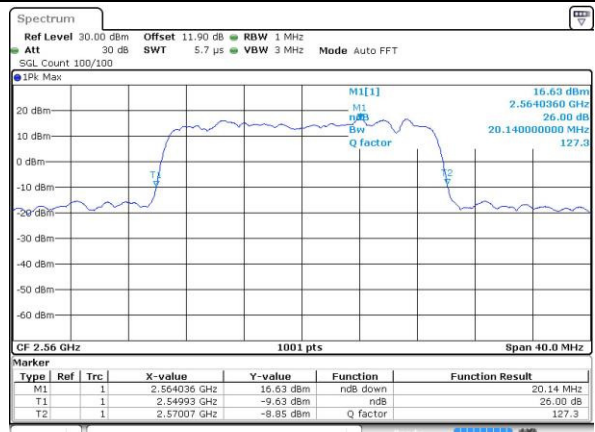
Date: 6 FEB 2017 16:33:24

Highest Channel / 20MHz / QPSK



Date: 6 FEB 2017 16:35:43

Highest Channel / 20MHz / 16QAM



Date: 6 FEB 2017 16:35:53



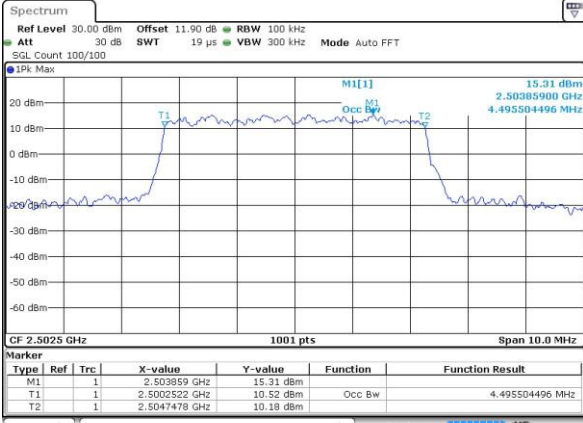
Occupied Bandwidth

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
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.5	4.5	9.07	9.03	13.46	13.49	18.54	18.5
Middle CH	-	-	-	-	4.5	4.5	8.99	9.03	13.49	13.46	18.38	18.54
Highest CH	-	-	-	-	4.48	4.52	9.11	9.01	13.43	13.46	18.5	18.54



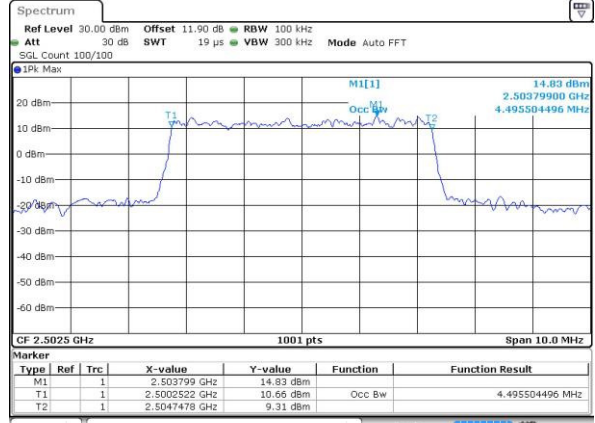
LTE Band 7

Lowest Channel / 5MHz / QPSK



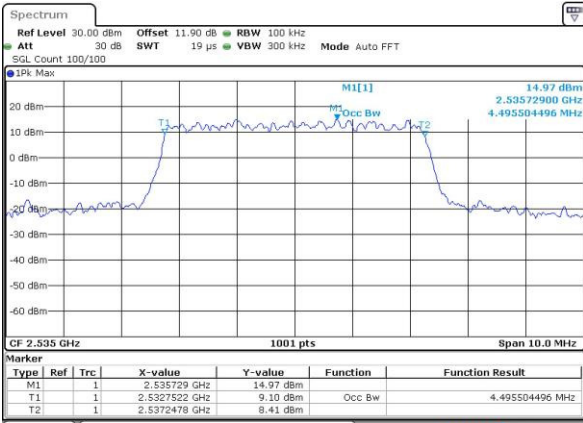
Date: 6 FEB 2017 15:35:30

Lowest Channel / 5MHz / 16QAM



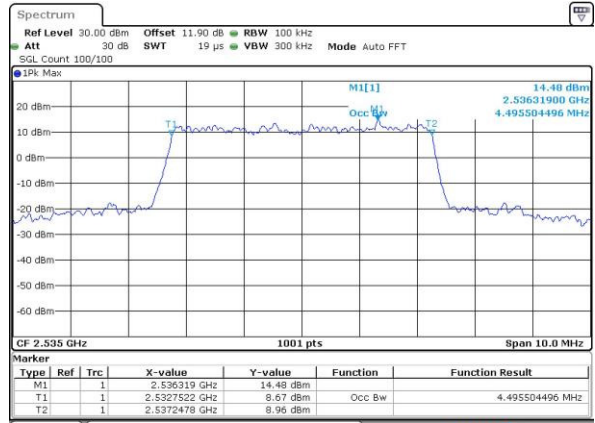
Date: 6 FEB 2017 15:35:40

Middle Channel / 5MHz / QPSK



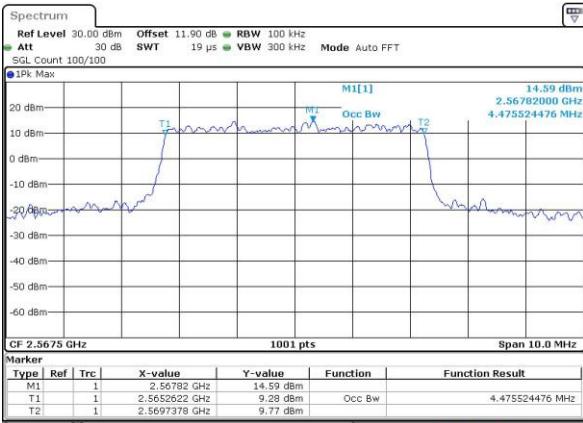
Date: 6 FEB 2017 15:42:38

Middle Channel / 5MHz / 16QAM



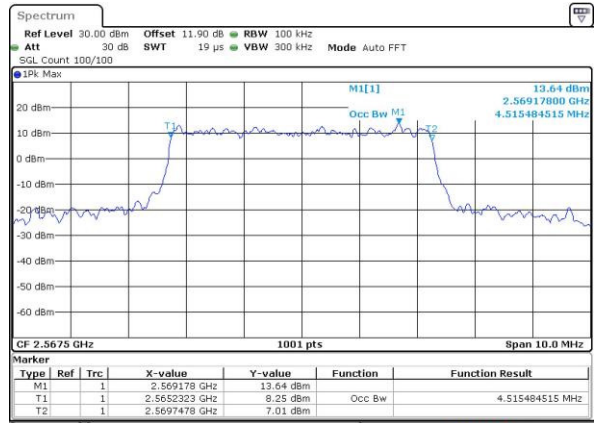
Date: 6 FEB 2017 15:42:48

Highest Channel / 5MHz / QPSK



Date: 6 FEB 2017 15:45:07

Highest Channel / 5MHz / 16QAM

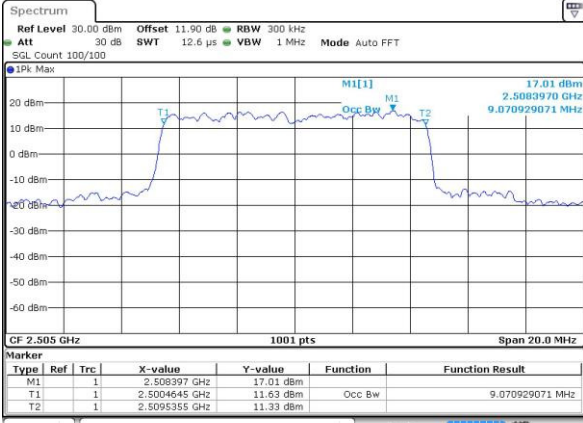


Date: 6 FEB 2017 15:45:18



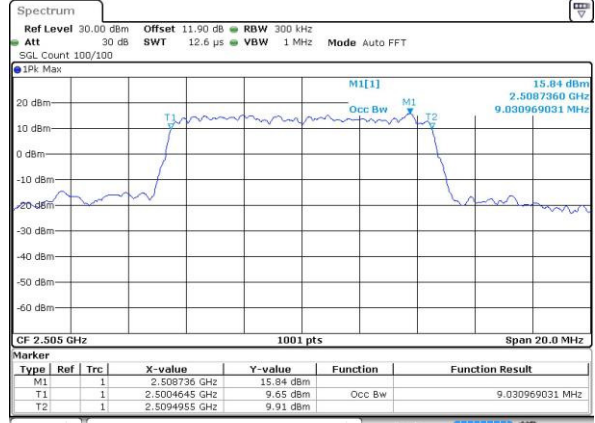
LTE Band 7

Lowest Channel / 10MHz / QPSK



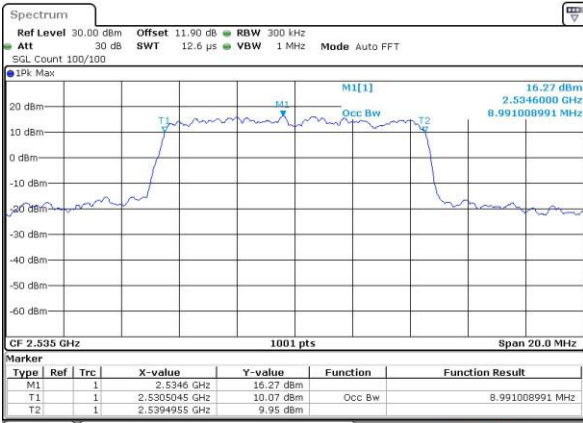
Date: 6 FEB 2017 15:52:16

Lowest Channel / 10MHz / 16QAM



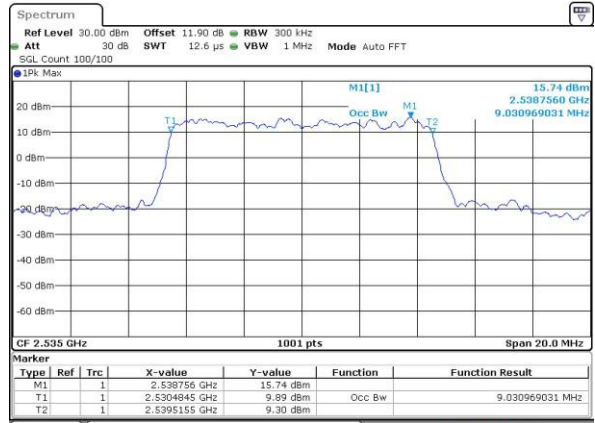
Date: 6 FEB 2017 15:52:27

Middle Channel / 10MHz / QPSK



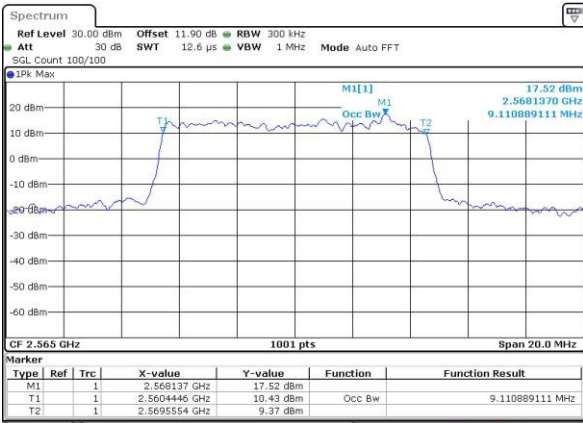
Date: 6 FEB 2017 15:59:24

Middle Channel / 10MHz / 16QAM



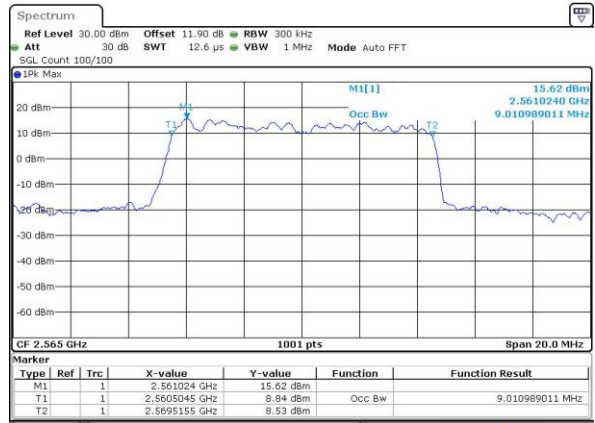
Date: 6 FEB 2017 15:59:34

Highest Channel / 10MHz / QPSK



Date: 6 FEB 2017 16:01:53

Highest Channel / 10MHz / 16QAM



Date: 6 FEB 2017 16:02:03