



LTE Band 17

Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.23	4.78	5.01	5.77	PASS
Middle CH	4.38	4.72	5.59	5.86	
Highest CH	4.58	4.61	5.3	5.68	



LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



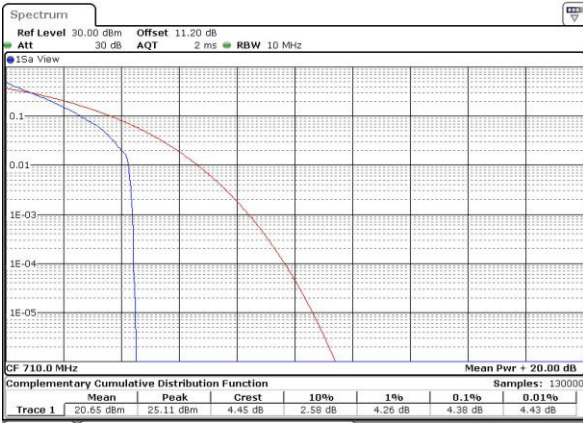
Date: 31.OCT.2016 13:48:08

Lowest Channel / Full RB



Date: 31.OCT.2016 13:48:31

Middle Channel/ 1RB



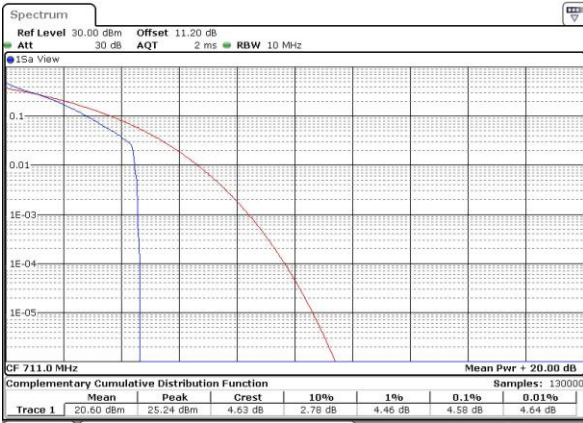
Date: 31.OCT.2016 13:48:47

Middle Channel / Full RB



Date: 31.OCT.2016 13:49:07

Highest Channel/ 1RB



Date: 31.OCT.2016 13:49:20

Highest Channel / Full RB

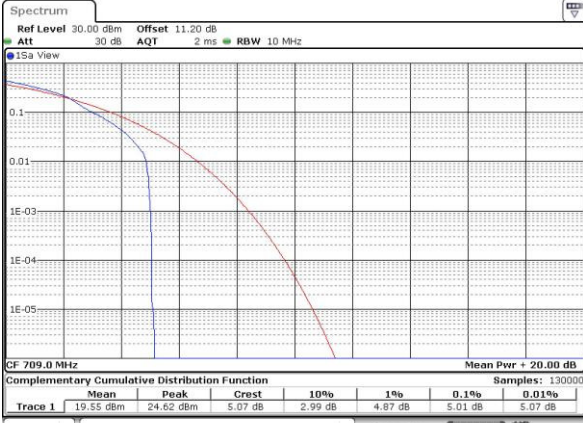


Date: 31.OCT.2016 13:49:53



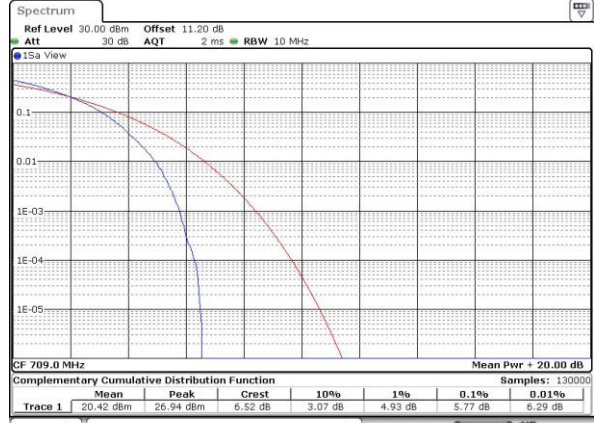
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



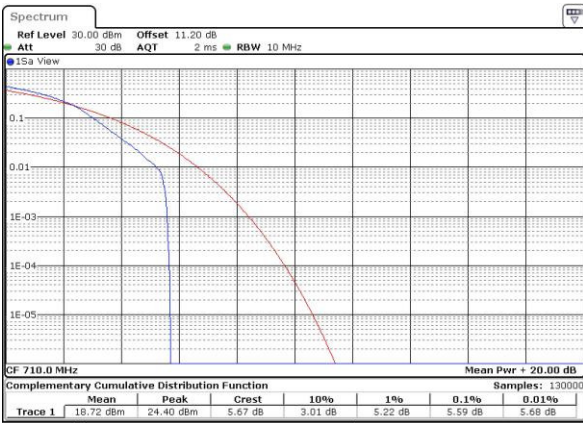
Date: 31.OCT.2016 13:46:09

Lowest Channel / Full RB



Date: 31.OCT.2016 13:46:22

Middle Channel / 1RB



Date: 31.OCT.2016 13:46:36

Middle Channel / Full RB



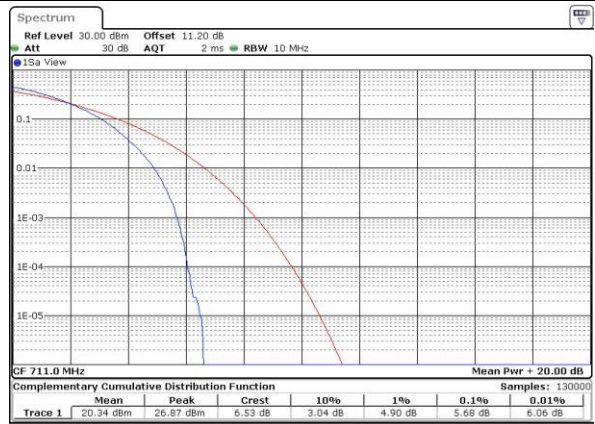
Date: 31.OCT.2016 13:46:52

Highest Channel / 1RB



Date: 31.OCT.2016 13:47:29

Highest Channel / Full RB



Date: 31.OCT.2016 13:47:42



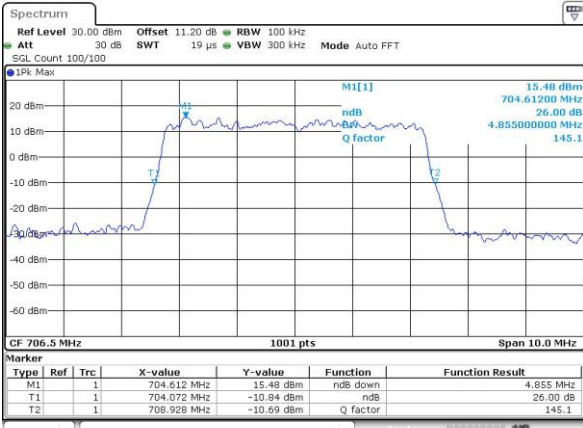
26dB Bandwidth

Mode	LTE Band 17 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.86	4.93	9.91	9.73	-	-	-	-
Middle CH	-	-	-	-	4.80	4.84	9.69	9.77	-	-	-	-
Highest CH	-	-	-	-	5.01	5.00	9.97	9.81	-	-	-	-



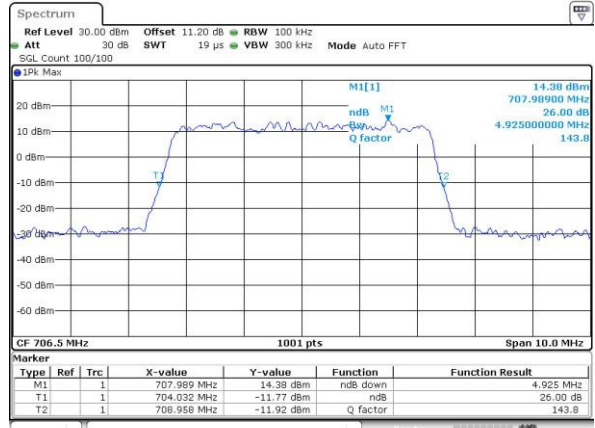
LTE Band 17

Lowest Channel / 5MHz / QPSK



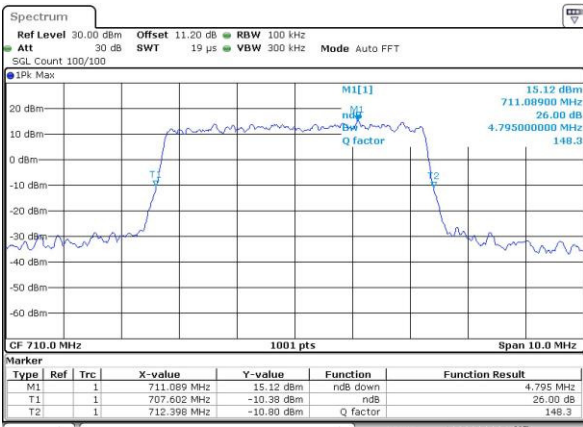
Date: 31.OCT.2016 12:43:11

Lowest Channel / 5MHz / 16QAM



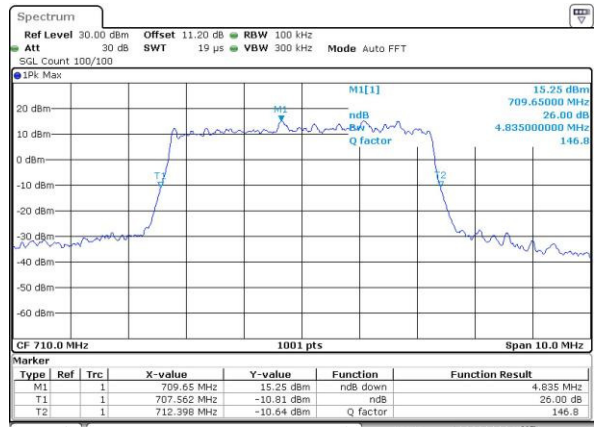
Date: 31.OCT.2016 12:43:23

Middle Channel / 5MHz / QPSK



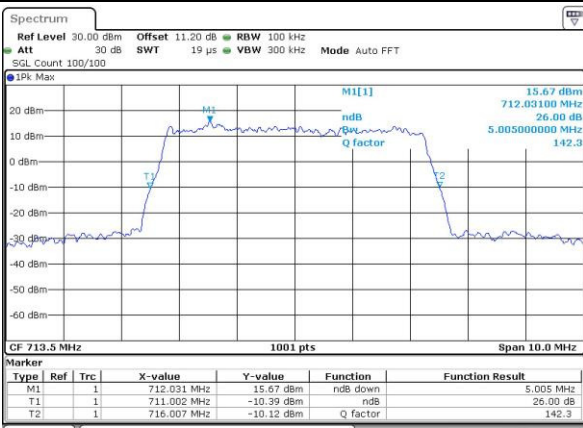
Date: 31.OCT.2016 12:50:33

Middle Channel / 5MHz / 16QAM



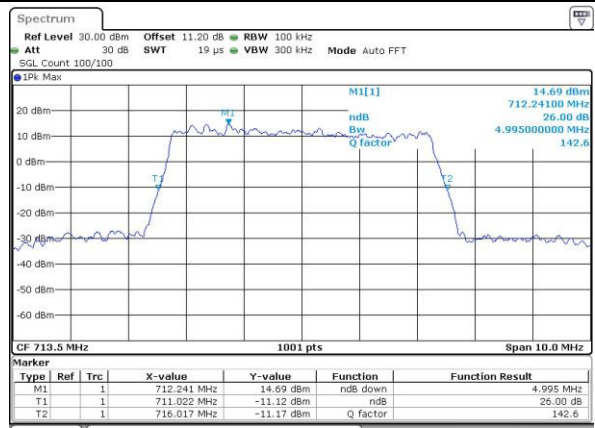
Date: 31.OCT.2016 12:50:45

Highest Channel / 5MHz / QPSK



Date: 31.OCT.2016 12:53:16

Highest Channel / 5MHz / 16QAM

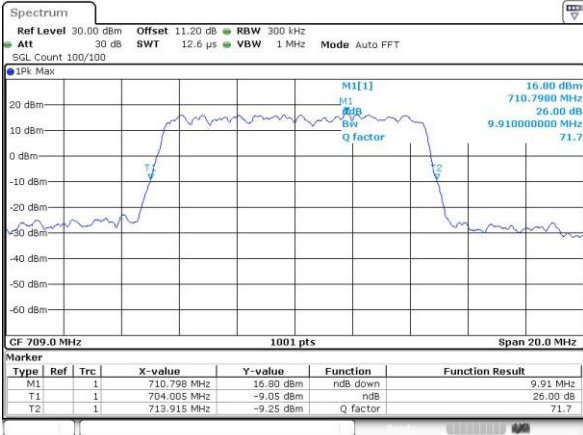


Date: 31.OCT.2016 12:53:28

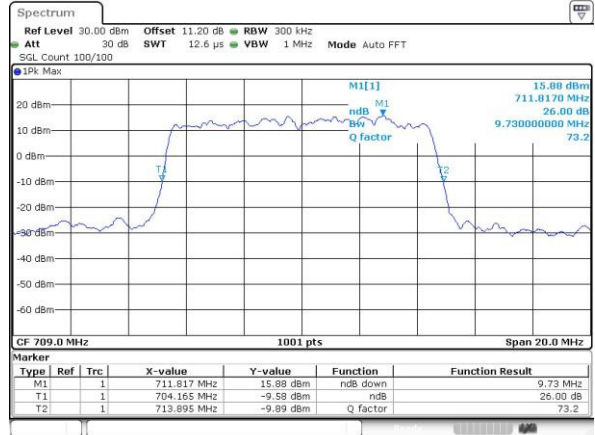


LTE Band 17

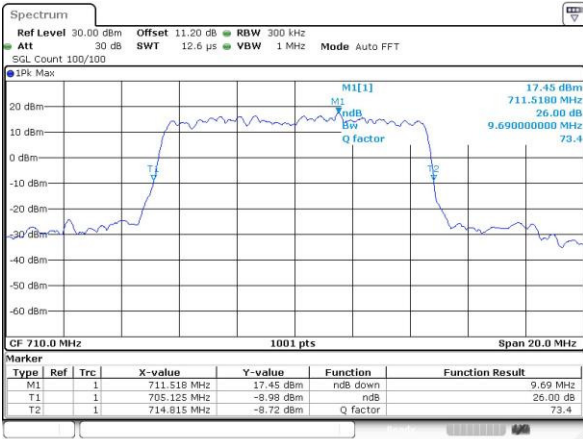
Lowest Channel / 10MHz / QPSK



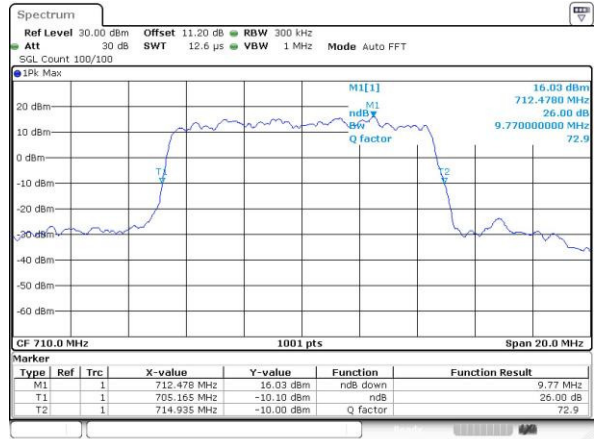
Lowest Channel / 10MHz / 16QAM



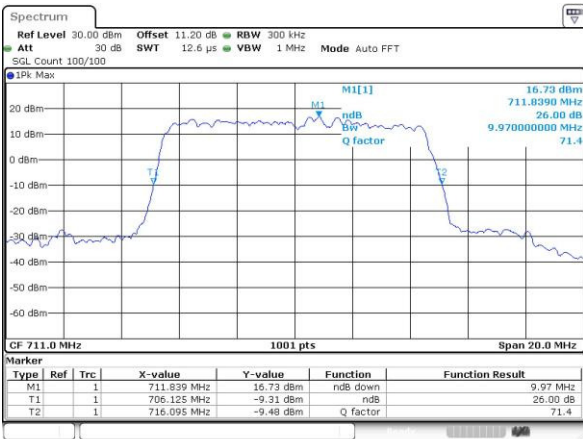
Middle Channel / 10MHz / QPSK



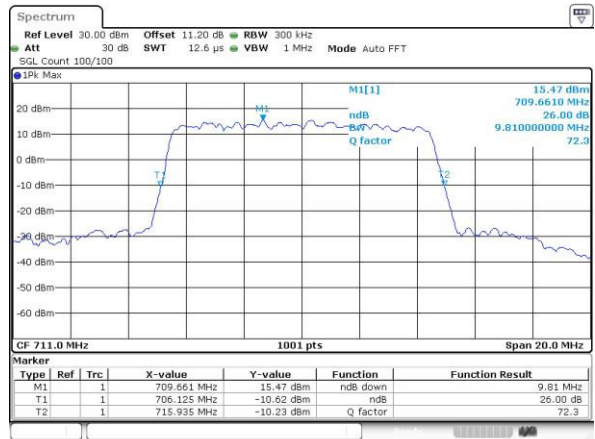
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM





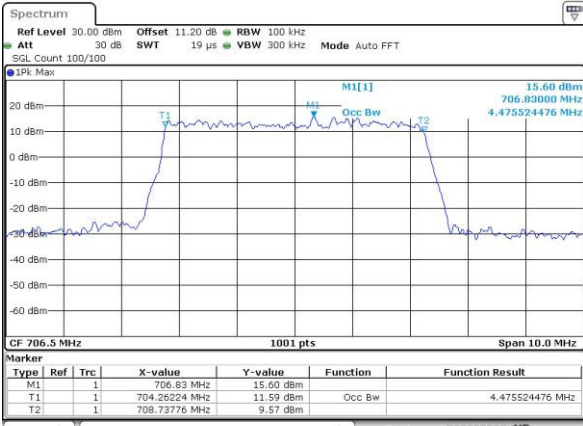
Occupied Bandwidth

Mode	LTE Band 17 : 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	-	-	-	-	4.48	4.49	9.05	8.99	-	-	-	-
Middle CH	-	-	-	-	4.49	4.49	9.01	8.99	-	-	-	-
Highest CH	-	-	-	-	4.48	4.48	8.95	8.97	-	-	-	-



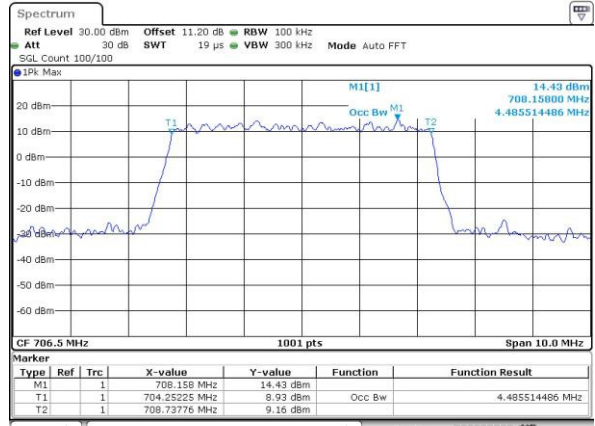
LTE Band 17

Lowest Channel / 5MHz / QPSK



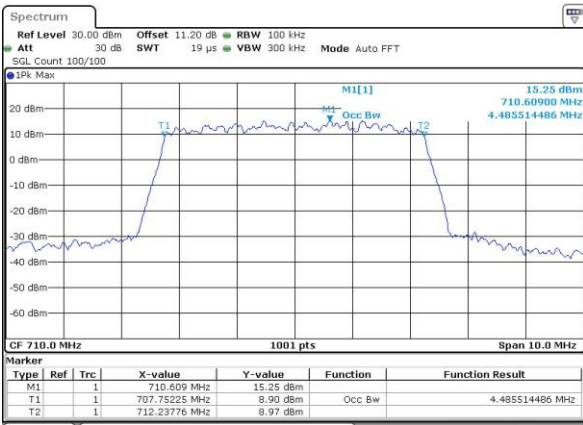
Date: 31.OCT.2016 12:42:48

Lowest Channel / 5MHz / 16QAM



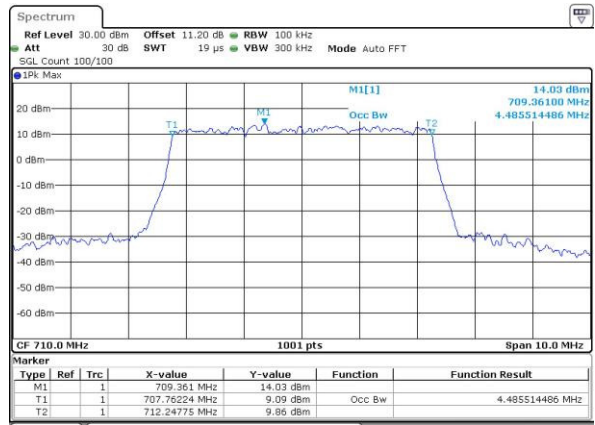
Date: 31.OCT.2016 12:42:59

Middle Channel / 5MHz / QPSK



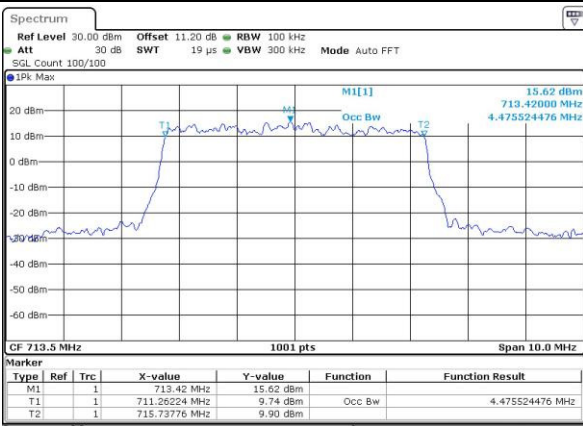
Date: 31.OCT.2016 12:50:09

Middle Channel / 5MHz / 16QAM



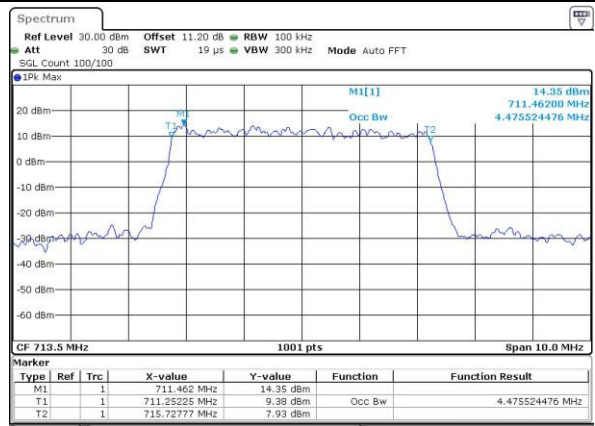
Date: 31.OCT.2016 12:50:21

Highest Channel / 5MHz / QPSK



Date: 31.OCT.2016 12:52:53

Highest Channel / 5MHz / 16QAM

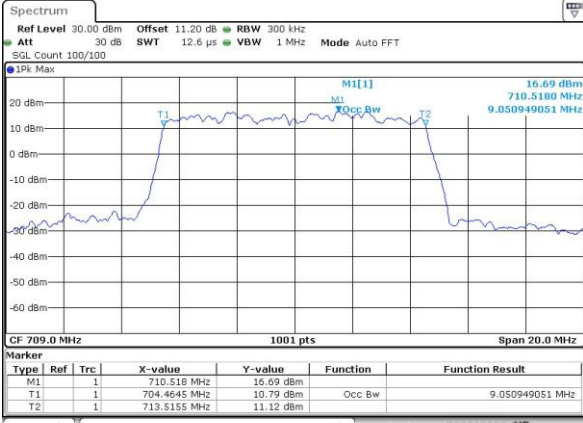


Date: 31.OCT.2016 12:53:05



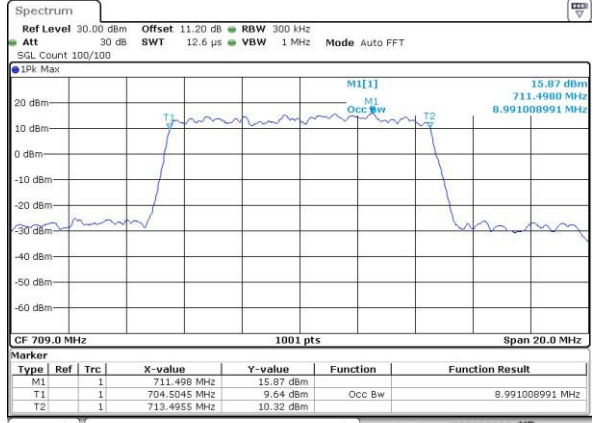
LTE Band 17

Lowest Channel / 10MHz / QPSK



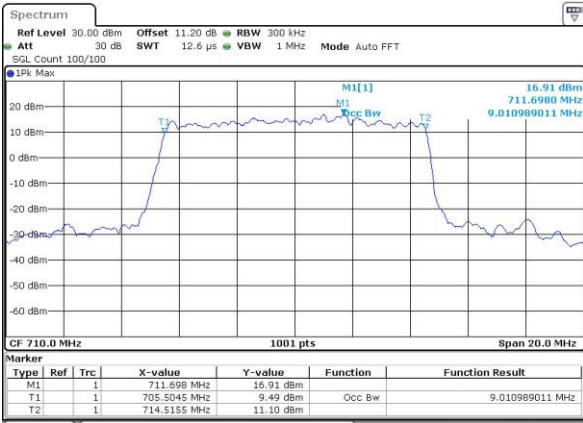
Date: 31.OCT.2016 13:00:14

Lowest Channel / 10MHz / 16QAM



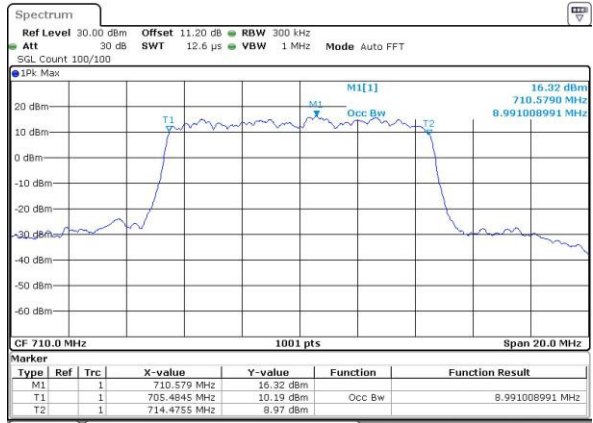
Date: 31.OCT.2016 13:00:26

Middle Channel / 10MHz / QPSK



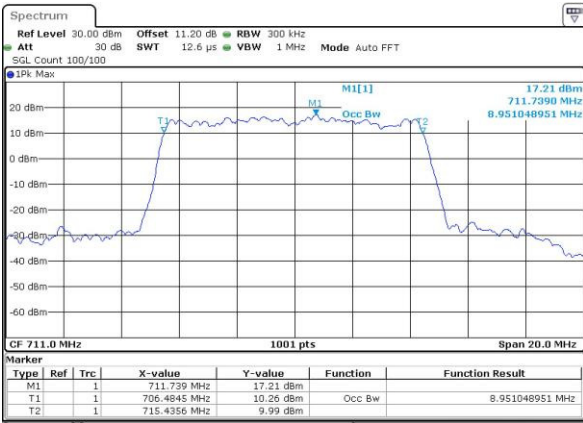
Date: 31.OCT.2016 13:35:20

Middle Channel / 10MHz / 16QAM



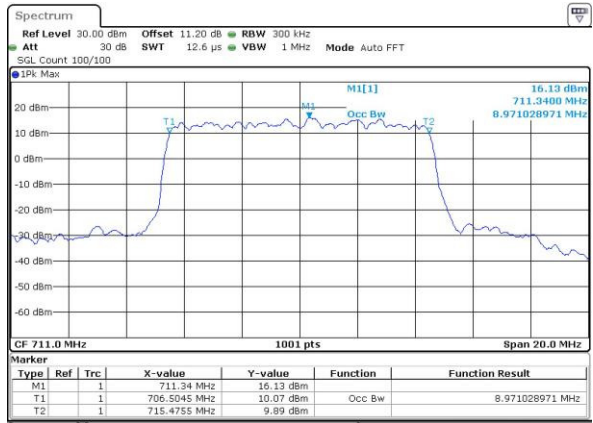
Date: 31.OCT.2016 13:35:32

Highest Channel / 10MHz / QPSK



Date: 31.OCT.2016 13:38:04

Highest Channel / 10MHz / 16QAM



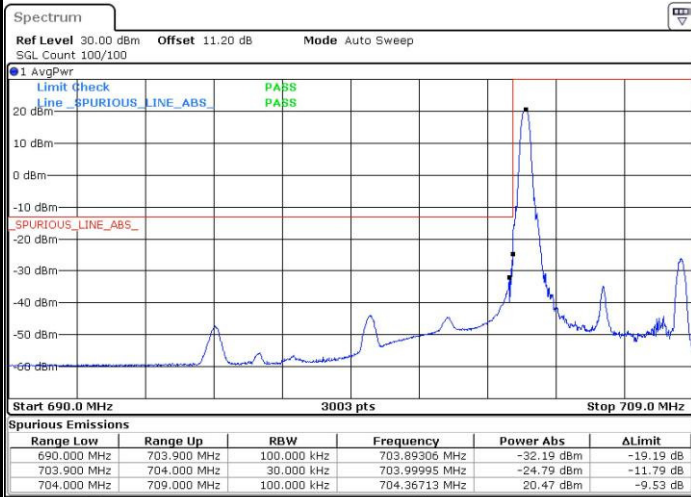
Date: 31.OCT.2016 13:38:16



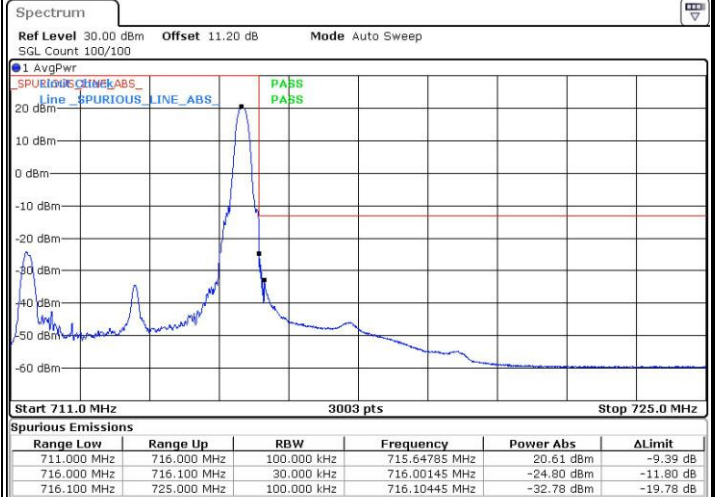
Conducted Band Edge

LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



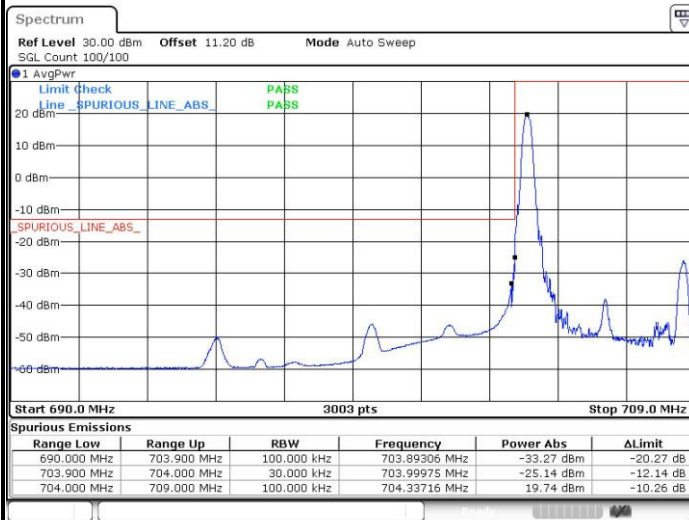
Highest Band Edge / Full RB





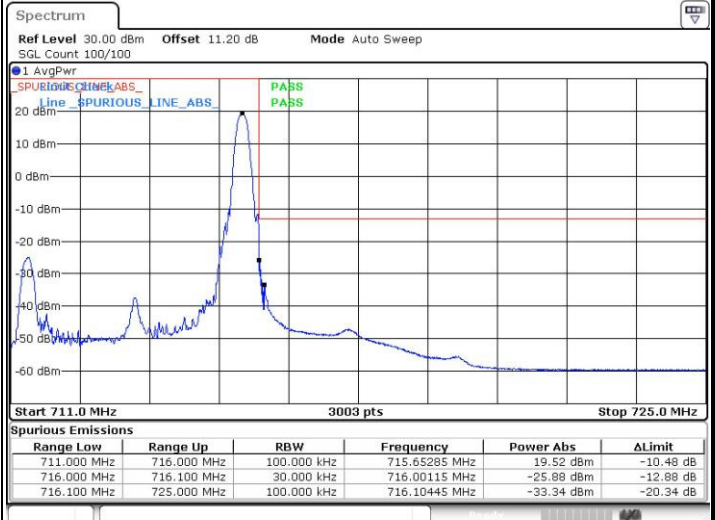
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



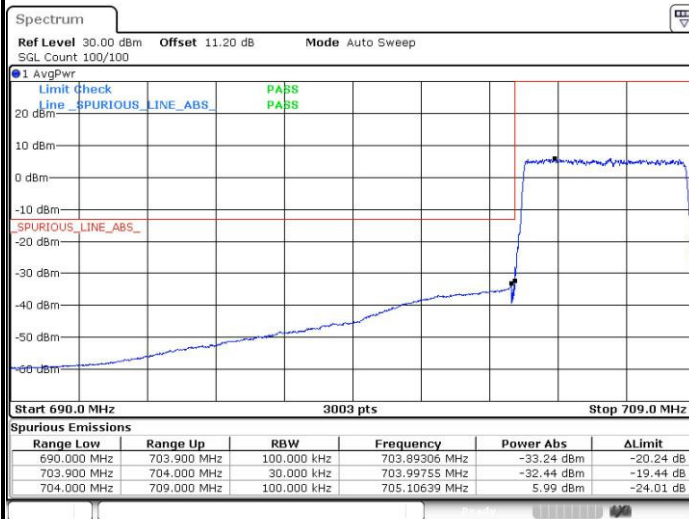
Date: 31.OCT.2016 12:45:42

Highest Band Edge / 1 RB



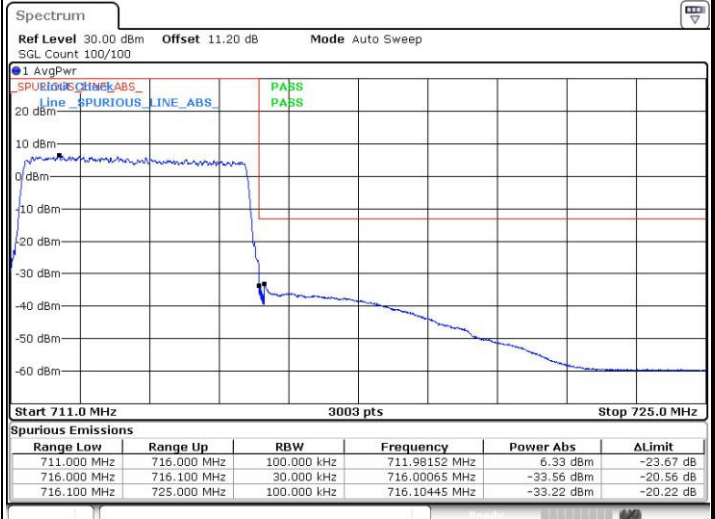
Date: 31.OCT.2016 12:55:47

Lowest Band Edge / Full RB



Date: 31.OCT.2016 12:48:01

Highest Band Edge / Full RB

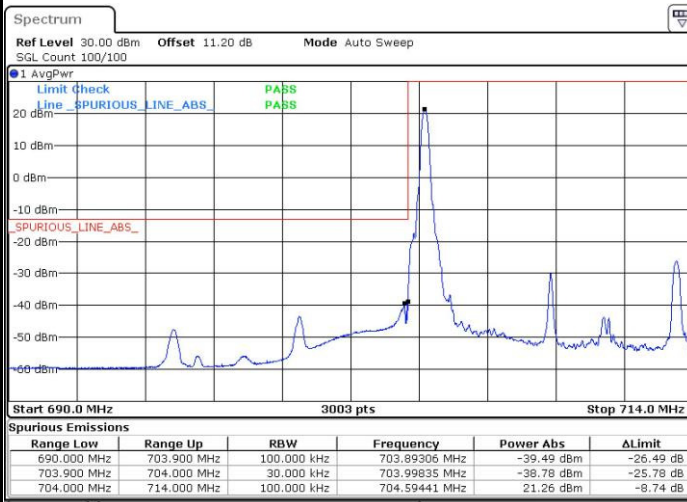


Date: 31.OCT.2016 12:58:06



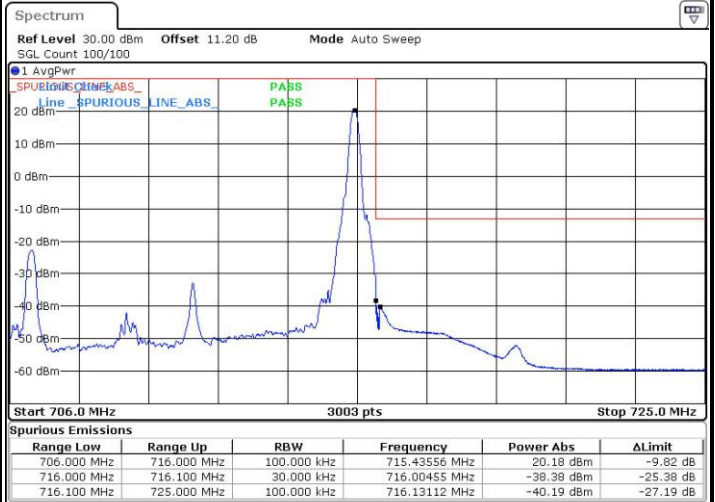
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



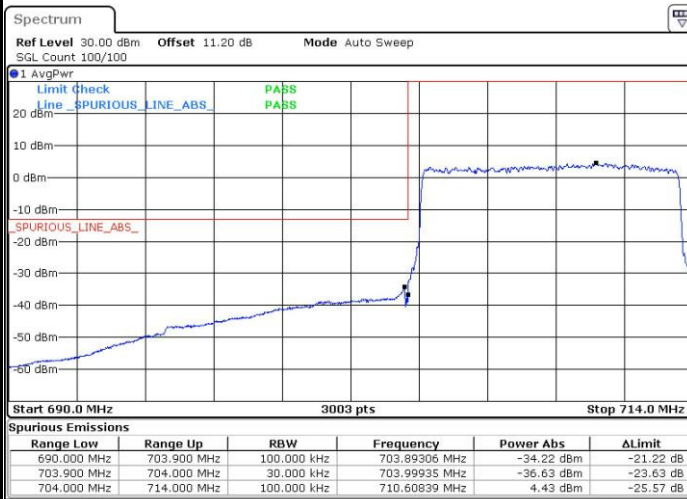
Date: 31.OCT.2016 13:01:59

Highest Band Edge / 1 RB



Date: 31.OCT.2016 13:39:48

Lowest Band Edge / Full RB



Date: 31.OCT.2016 13:04:18

Highest Band Edge / Full RB

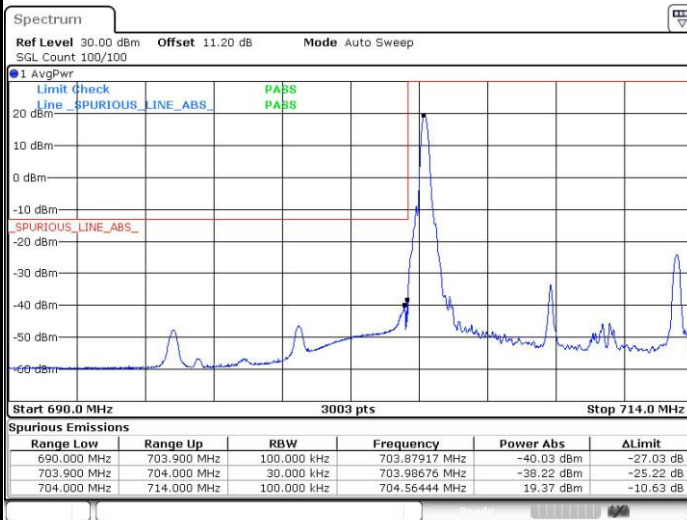


Date: 31.OCT.2016 13:42:07



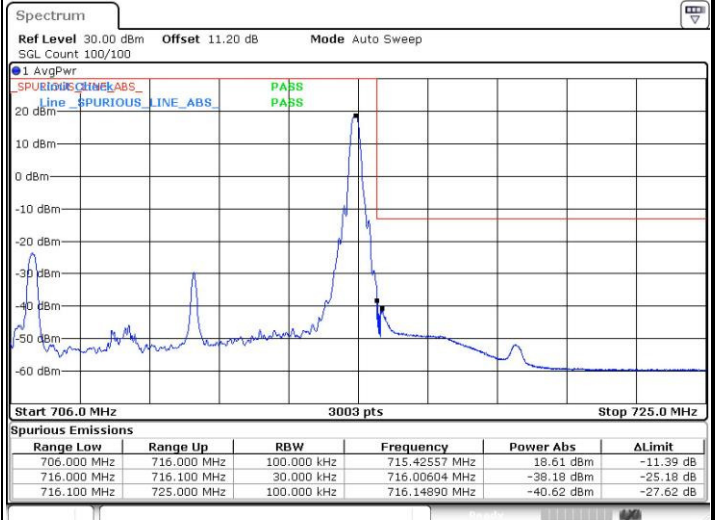
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



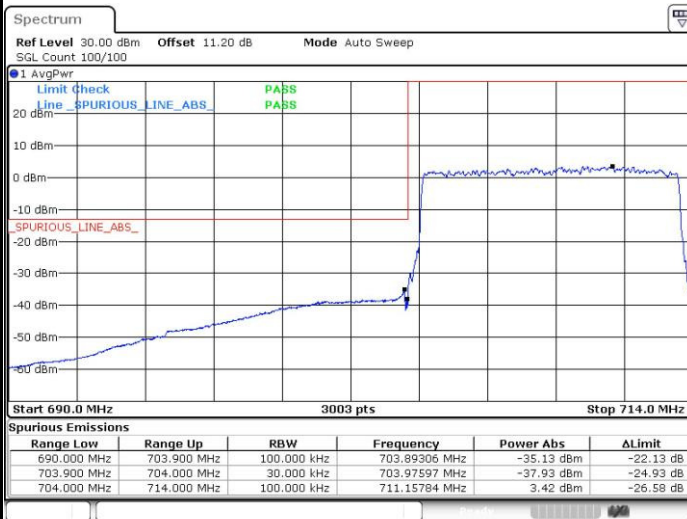
Date: 31.OCT.2016 13:03:08

Highest Band Edge / 1 RB



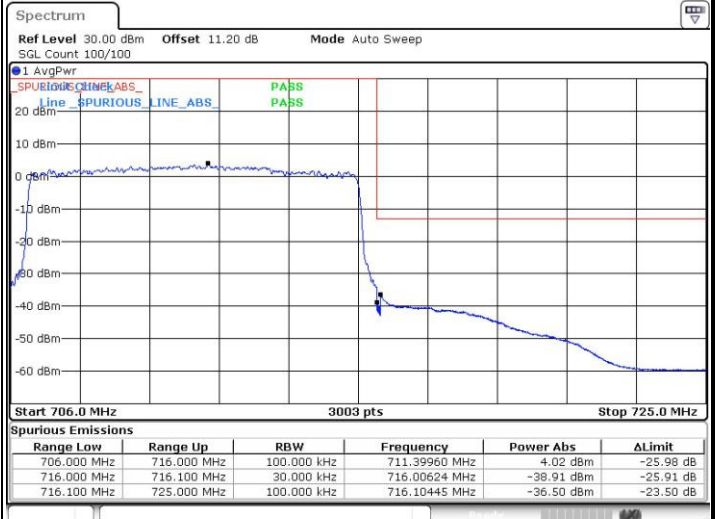
Date: 31.OCT.2016 13:40:58

Lowest Band Edge / Full RB



Date: 31.OCT.2016 13:05:27

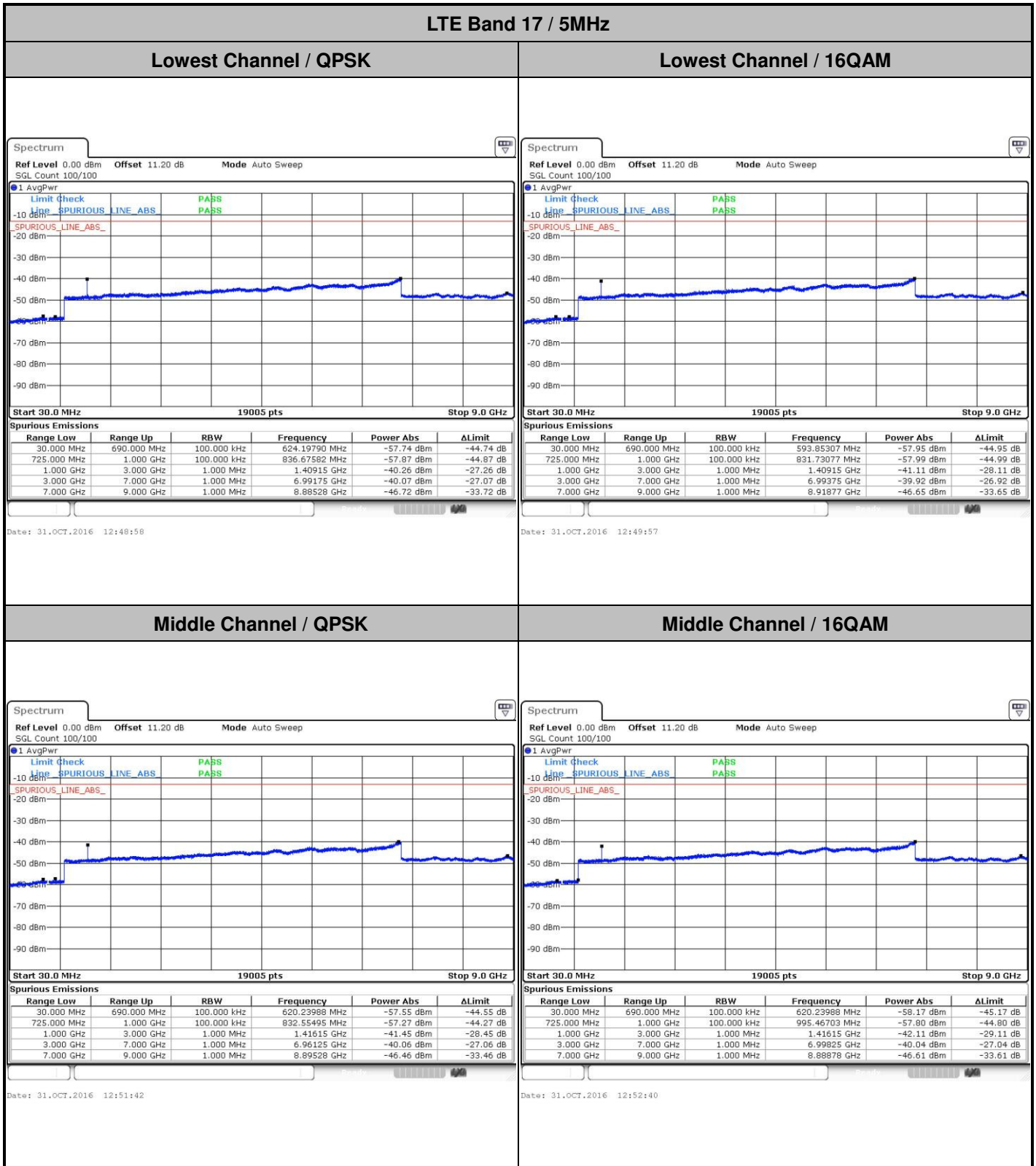
Highest Band Edge / Full RB



Date: 31.OCT.2016 13:43:17



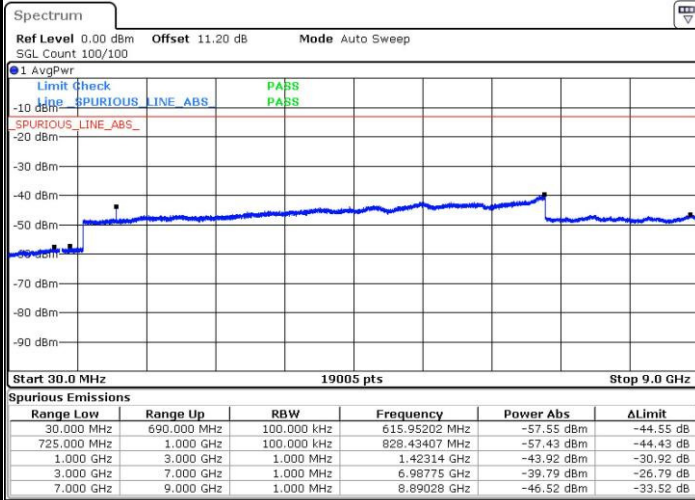
Conducted Spurious Emission





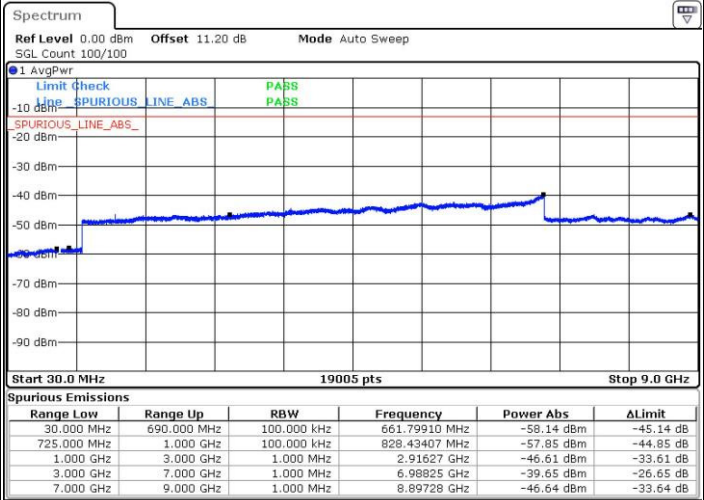
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 31.OCT.2016 12:59:03

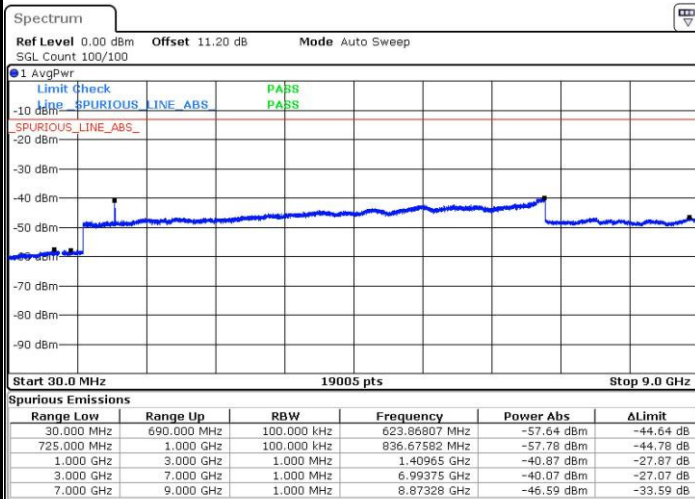
Highest Channel / 16QAM



Date: 31.OCT.2016 13:00:01

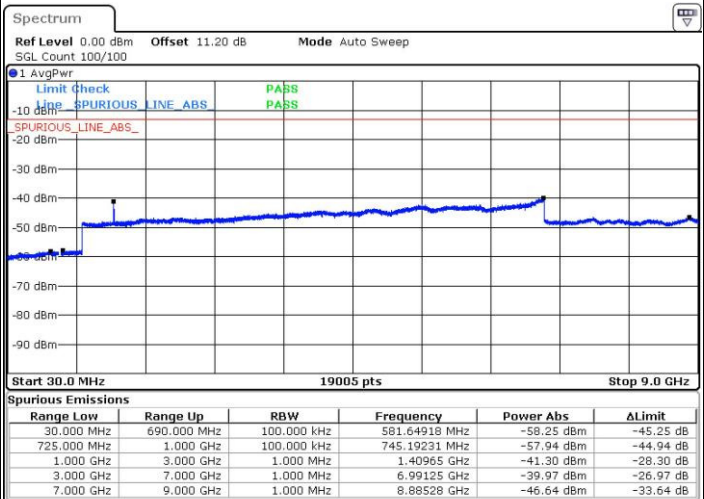
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 31.OCT.2016 13:06:25

Lowest Channel / 16QAM



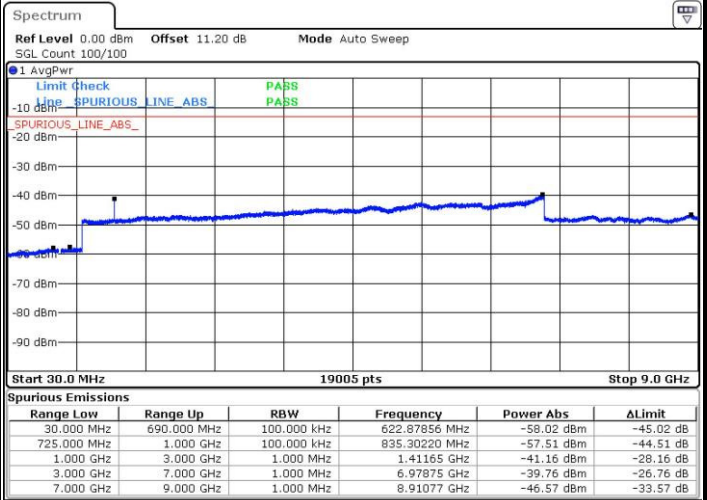
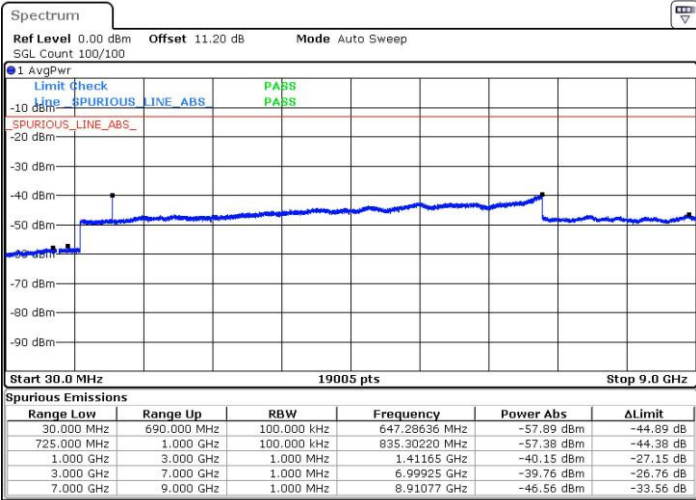
Date: 31.OCT.2016 13:07:23



LTE Band 17 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

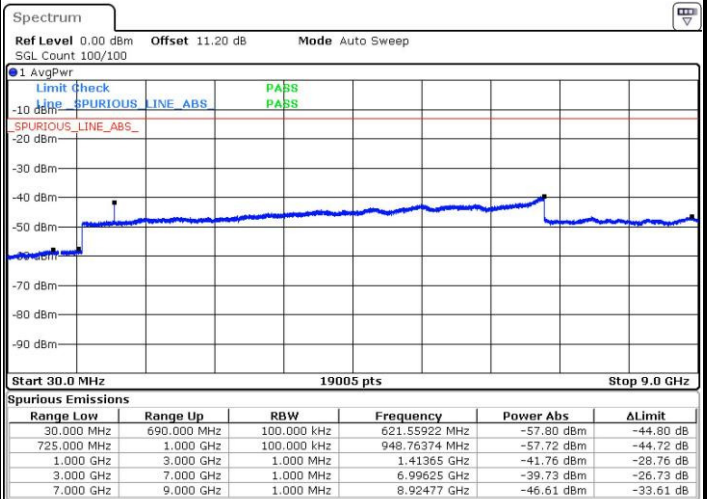
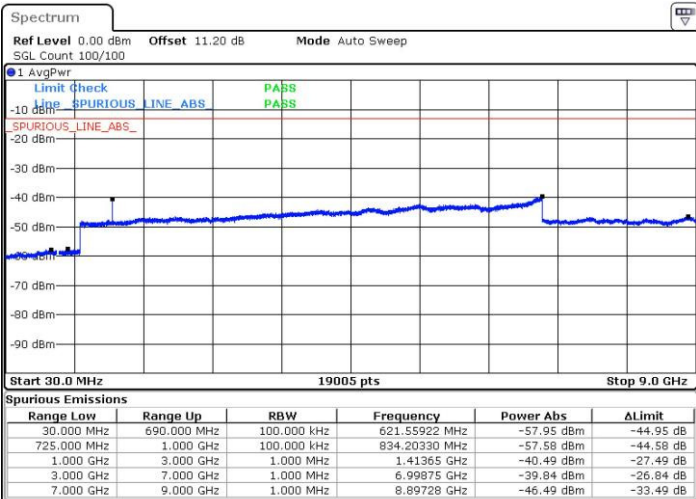


Date: 31.OCT.2016 13:36:53

Date: 31.OCT.2016 13:37:51

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 31.OCT.2016 13:44:14

Date: 31.OCT.2016 13:45:13



Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0154	PASS
40	Normal Voltage	0.0132	
30	Normal Voltage	0.0115	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0118	
-10	Normal Voltage	0.0145	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0137	

Note:

1. Normal Voltage =3.6 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.