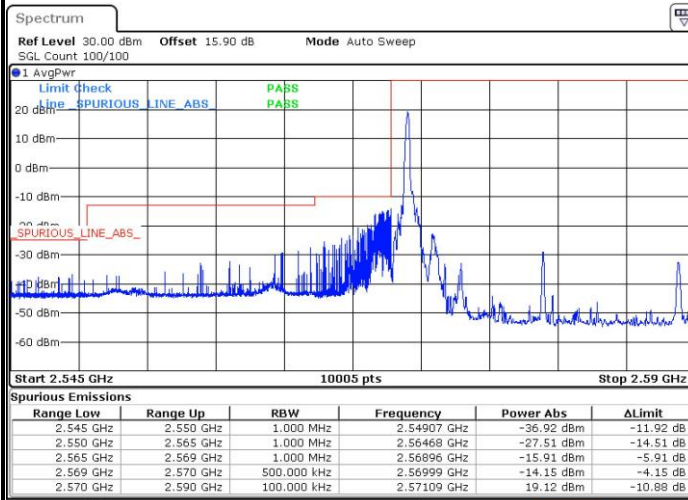


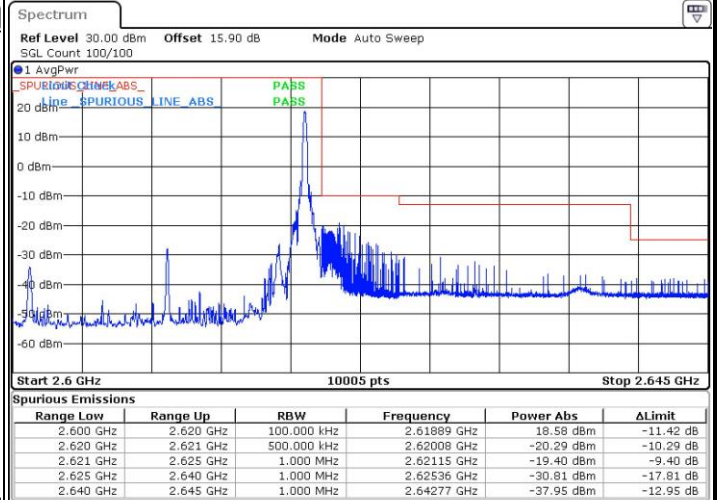


LTE Band 38 / 20MHz / 16QAM

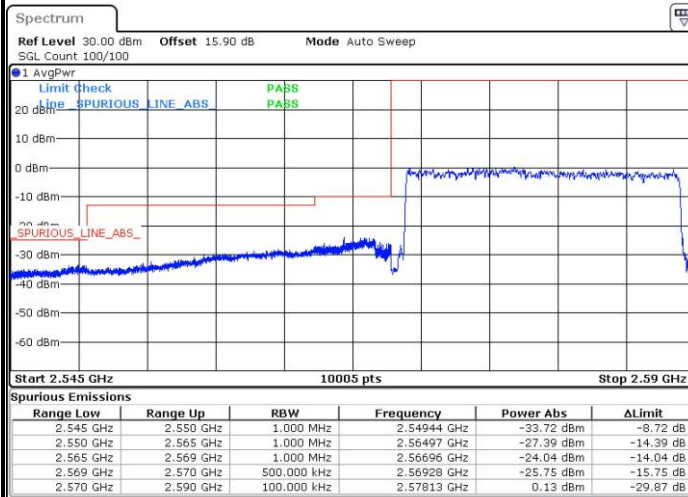
Lowest Band Edge / 1 RB



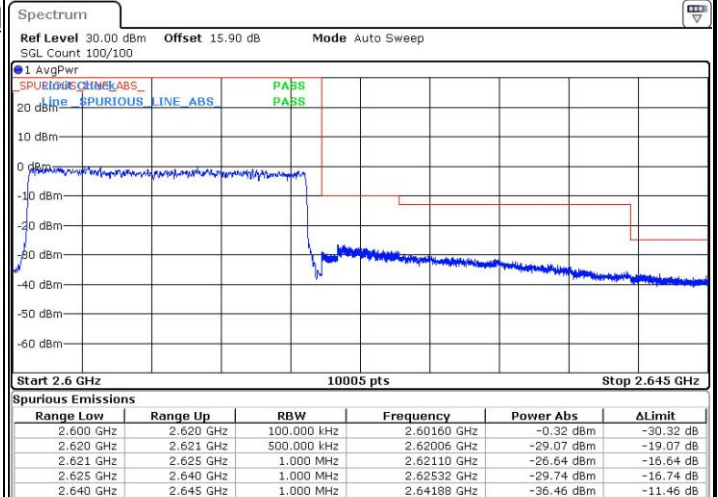
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



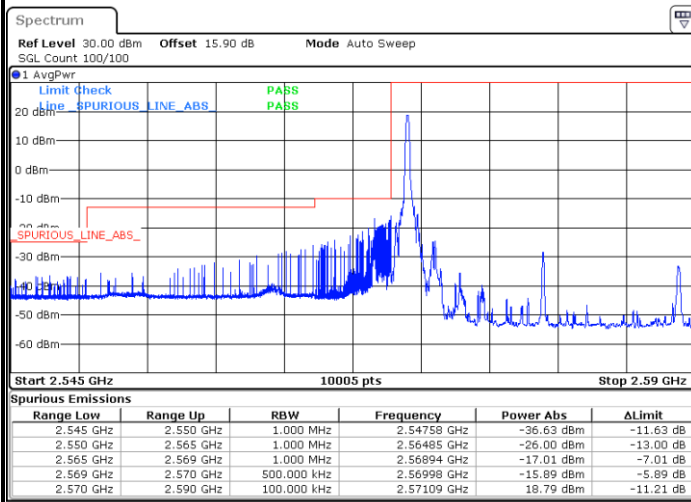
Highest Band Edge / Full RB



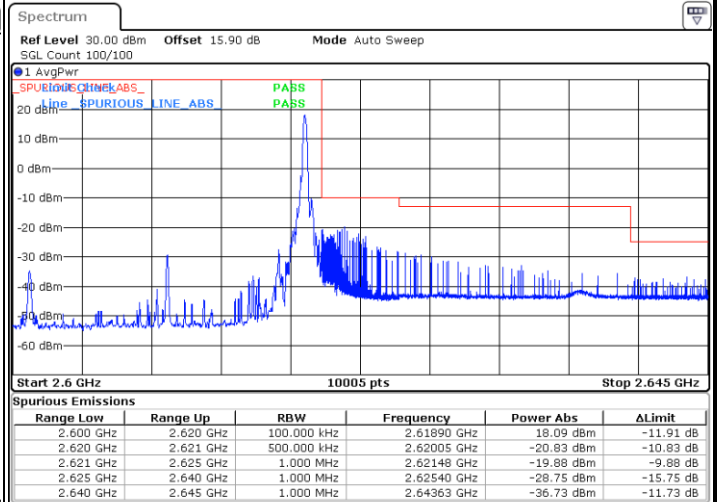


LTE Band 38 / 20MHz / 64QAM

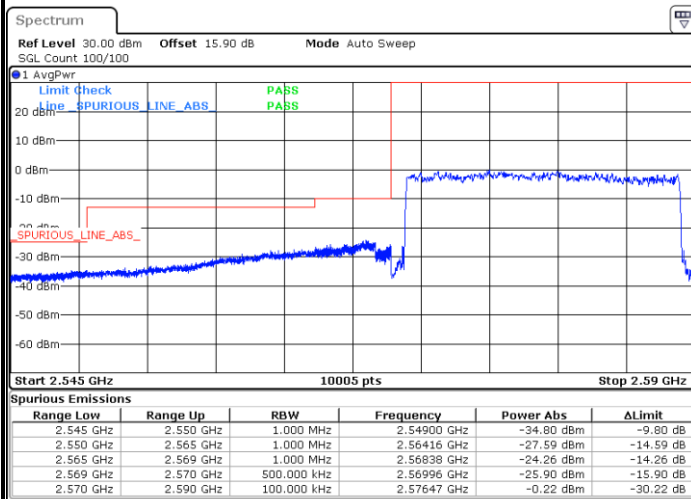
Lowest Band Edge / 1 RB



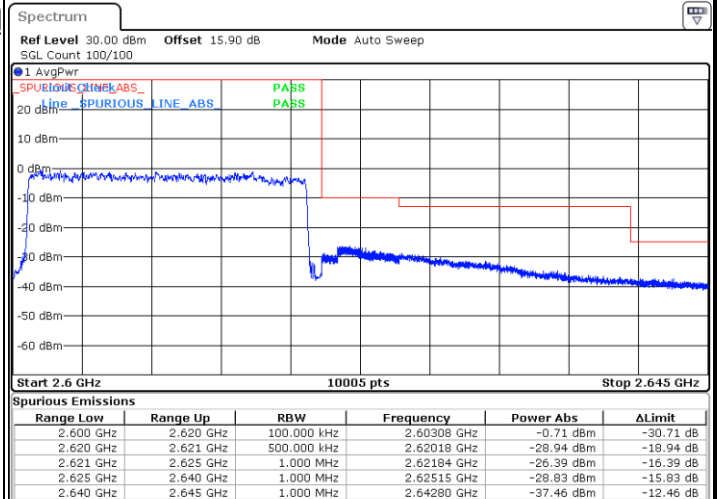
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



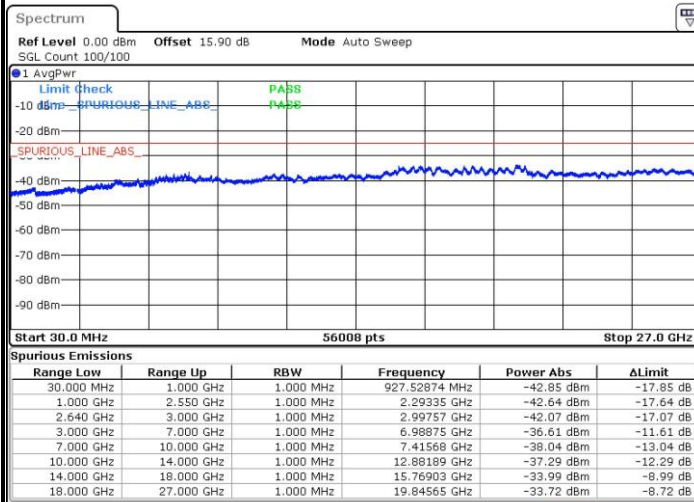


Conducted Spurious Emission



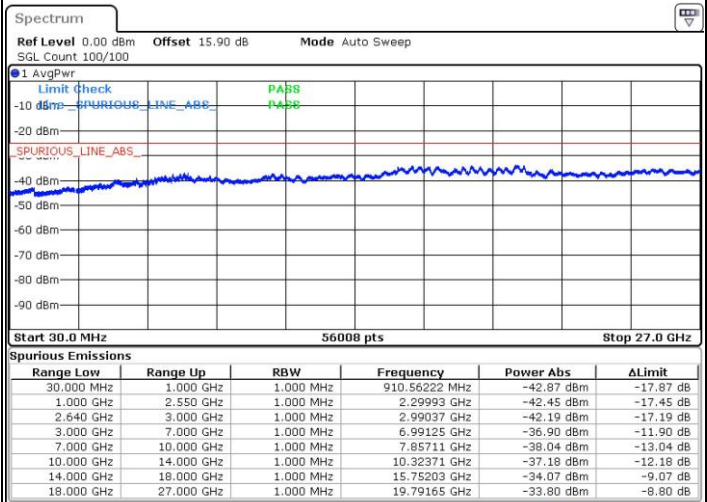
LTE Band 38 / 5MHz

Lowest Channel / QPSK



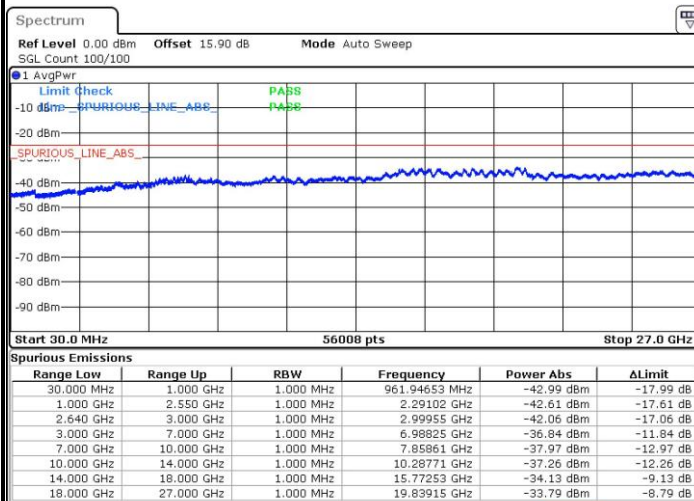
Date: 19 JUN 2017 10:03:32

Lowest Channel / 16QAM



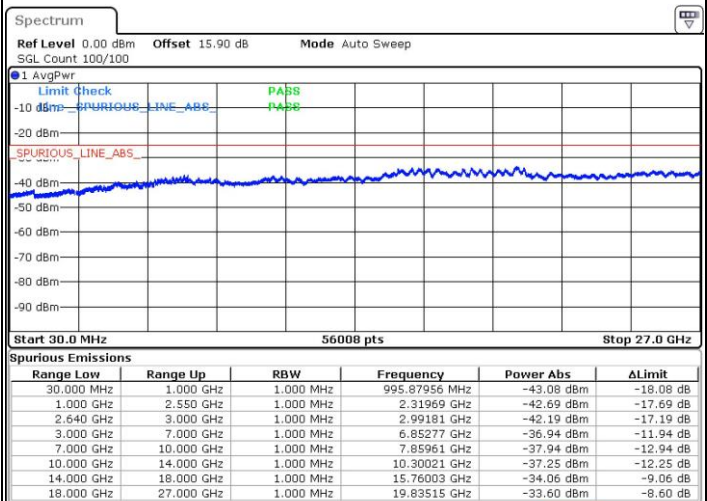
Date: 19 JUN 2017 10:04:27

Middle Channel / QPSK



Date: 19 JUN 2017 10:05:21

Middle Channel / 16QAM

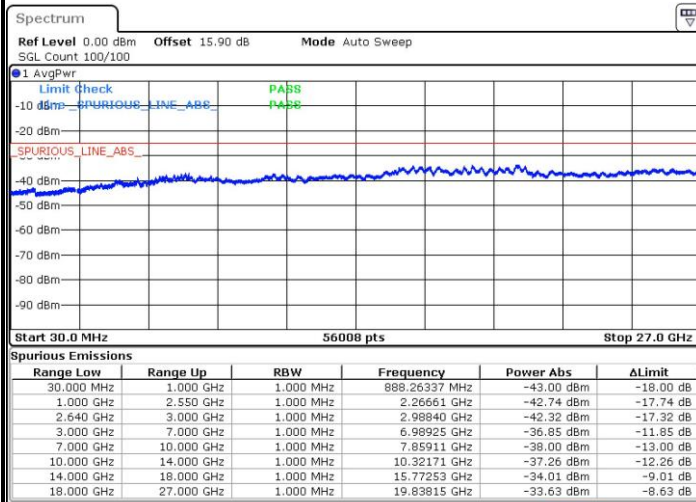


Date: 19 JUN 2017 10:06:16



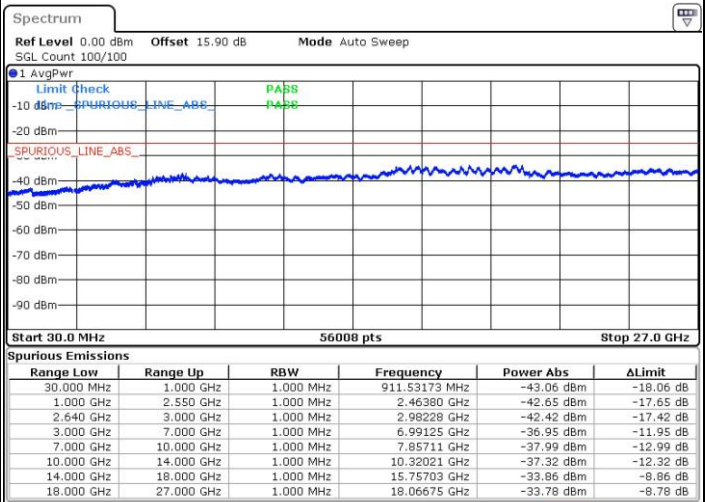
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 19 JUN 2017 10:07:11

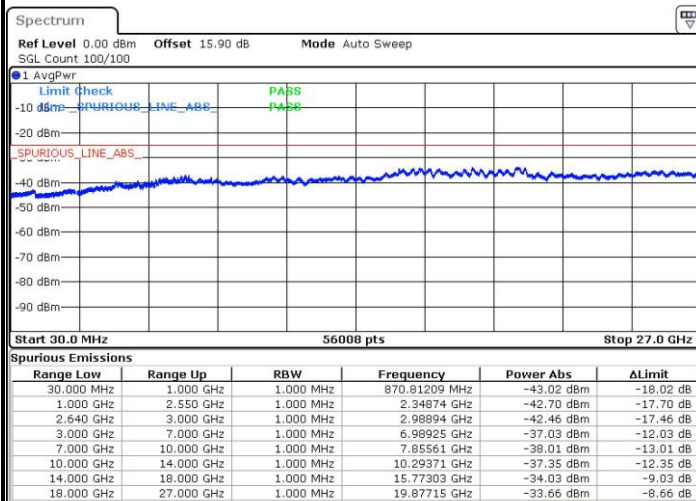
Highest Channel / 16QAM



Date: 19 JUN 2017 10:08:06

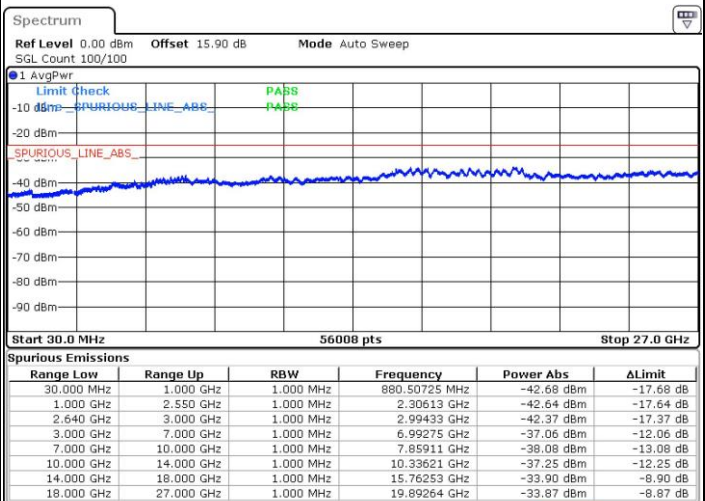
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 19 JUN 2017 10:09:00

Lowest Channel / 16QAM

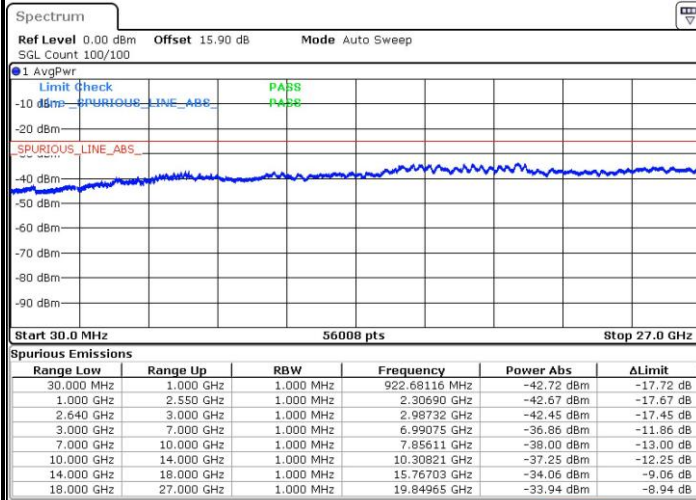


Date: 19 JUN 2017 10:09:55



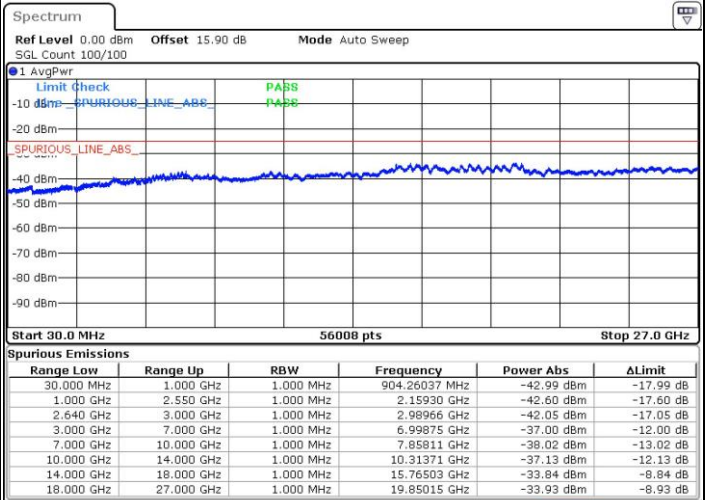
LTE Band 38 / 10MHz

Middle Channel / QPSK



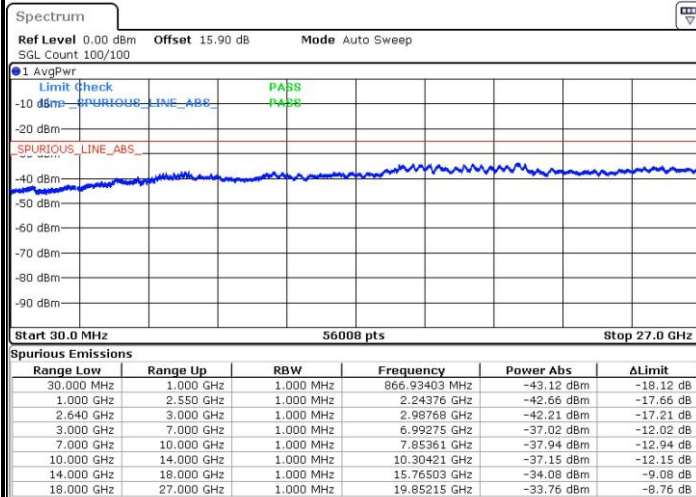
Date: 19 JUN 2017 10:10:50

Middle Channel / 16QAM



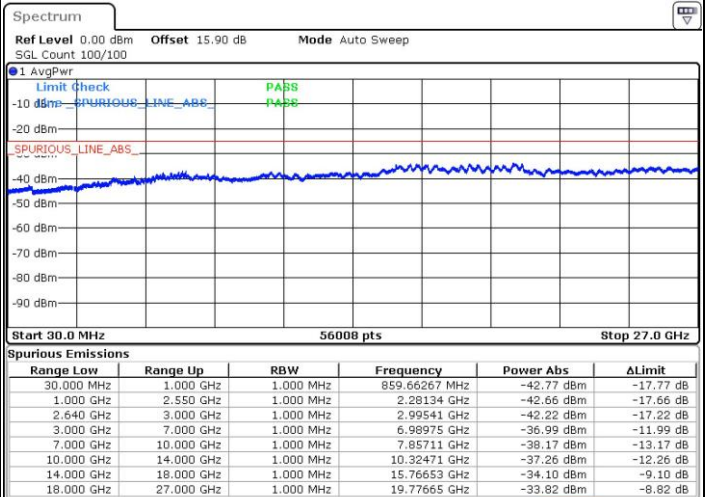
Date: 19 JUN 2017 10:11:45

Highest Channel / QPSK



Date: 19 JUN 2017 10:12:39

Highest Channel / 16QAM

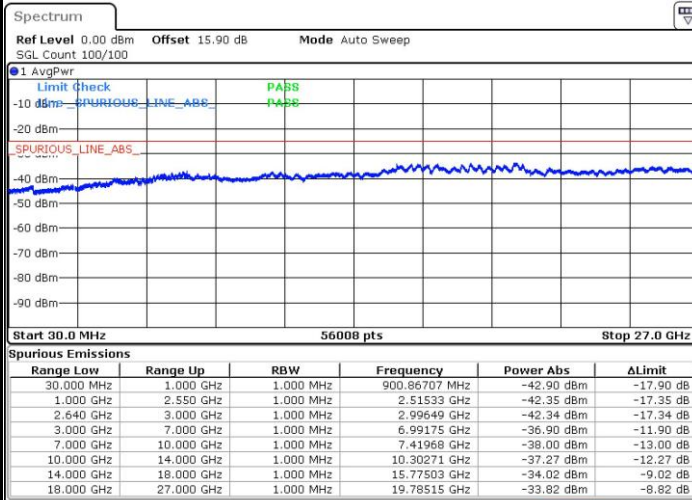


Date: 19 JUN 2017 10:13:34



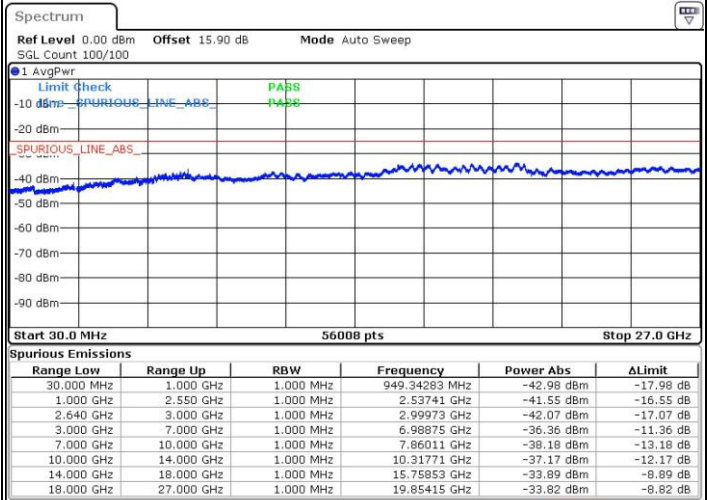
LTE Band 38 / 15MHz

Lowest Channel / QPSK



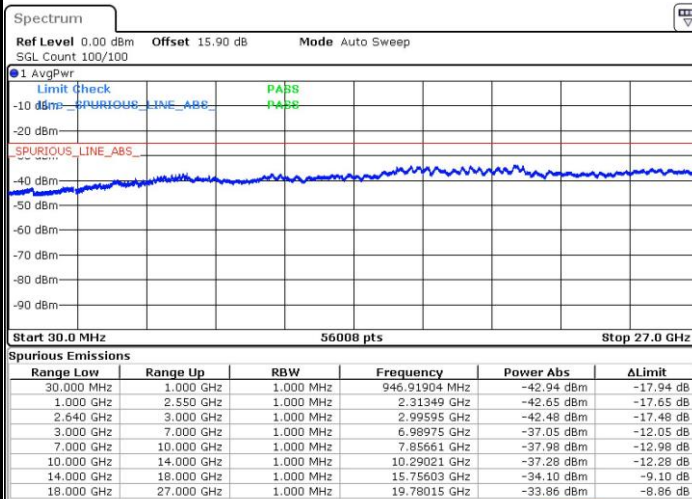
Date: 19 JUN 2017 10:14:29

Lowest Channel / 16QAM



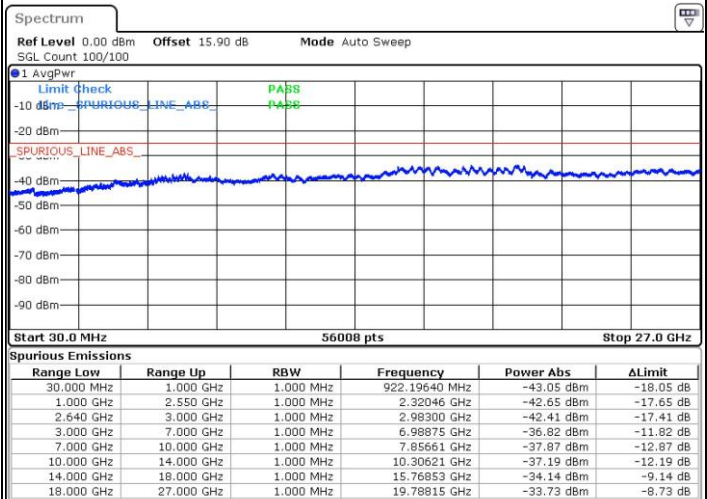
Date: 19 JUN 2017 10:15:24

Middle Channel / QPSK



Date: 19 JUN 2017 10:16:18

Middle Channel / 16QAM

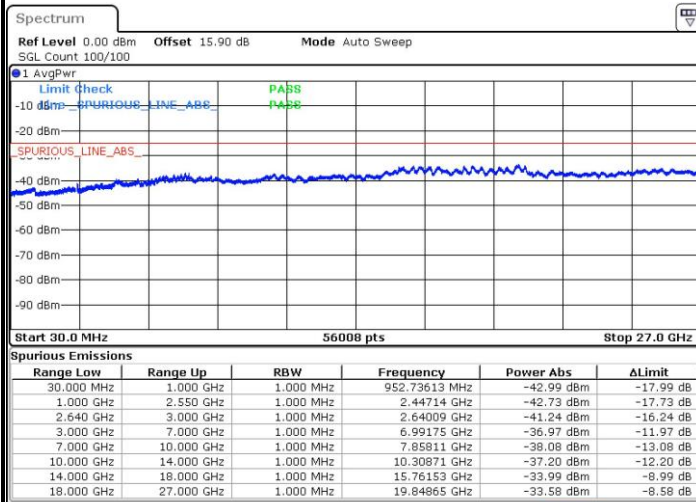


Date: 19 JUN 2017 10:17:13



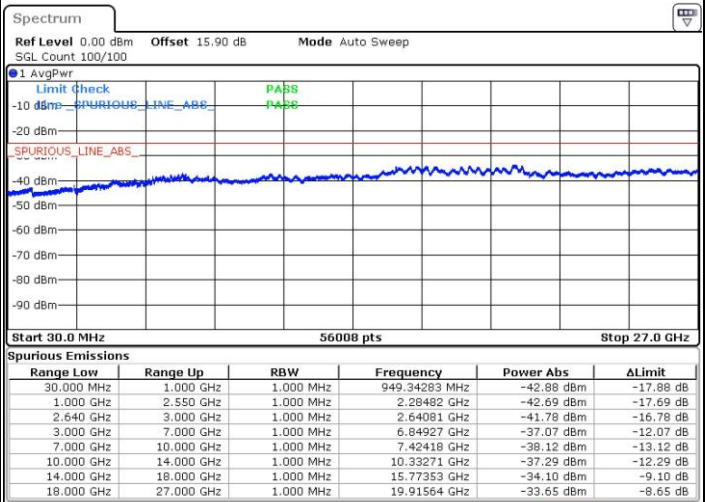
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 19 JUN 2017 10:18:08

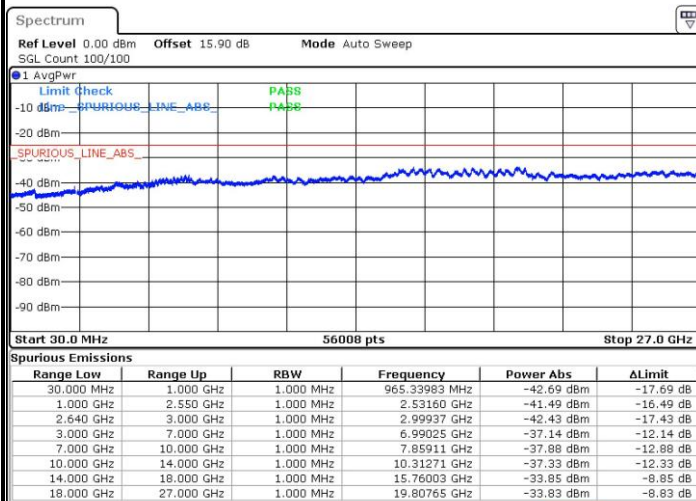
Highest Channel / 16QAM



Date: 19 JUN 2017 10:19:03

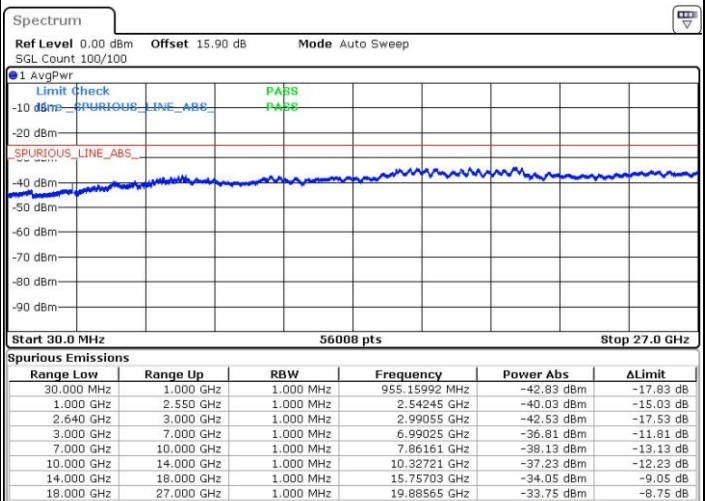
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 19 JUN 2017 10:19:57

Lowest Channel / 16QAM

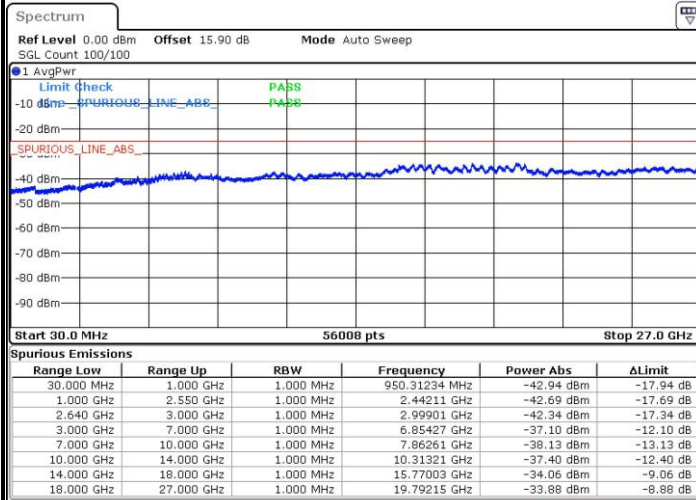


Date: 19 JUN 2017 10:20:54



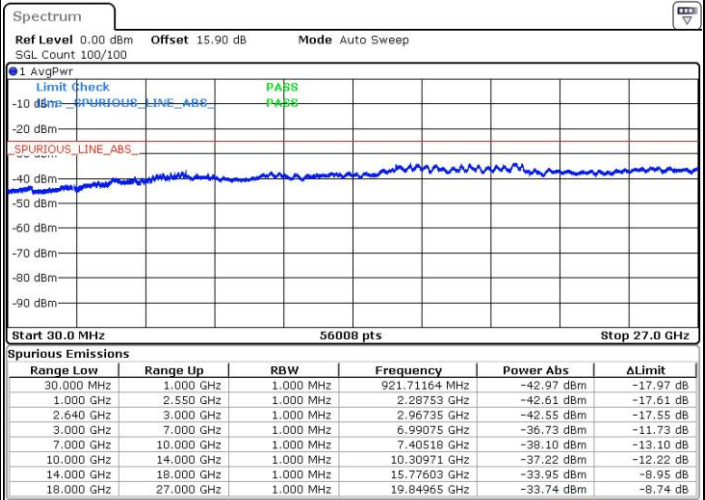
LTE Band 38 / 20MHz

Middle Channel / QPSK



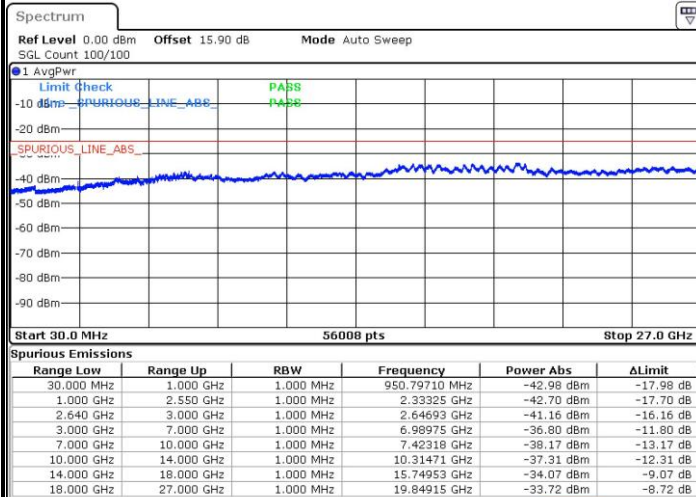
Date: 19 JUN 2017 10:21:48

Middle Channel / 16QAM



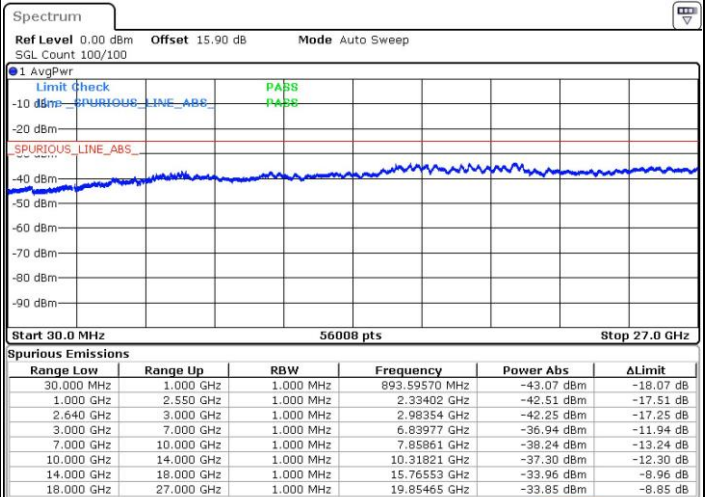
Date: 19 JUN 2017 10:22:43

Highest Channel / QPSK



Date: 19 JUN 2017 10:23:38

Highest Channel / 16QAM

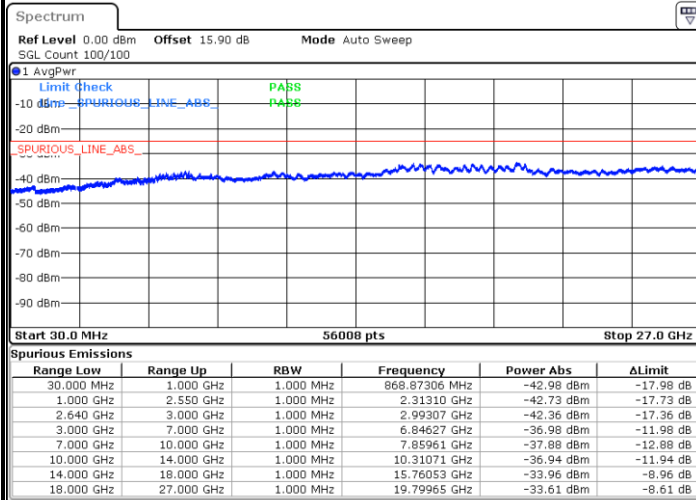


Date: 19 JUN 2017 10:24:33



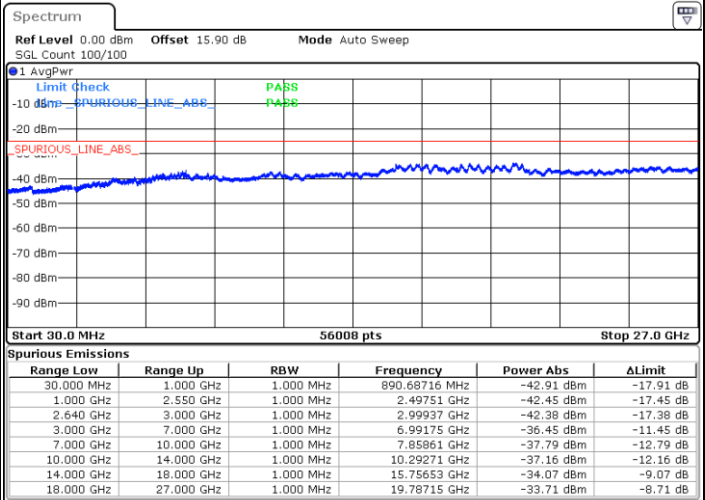
LTE Band 38 / 5MHz

Lowest Channel / 64QAM



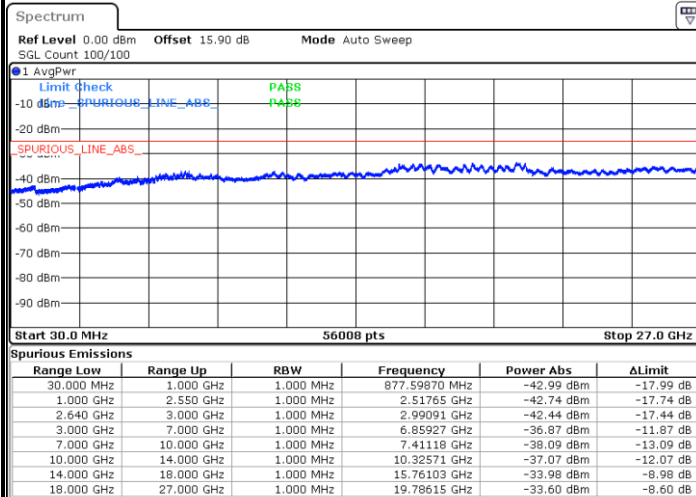
Date: 22 JUN 2017 11:52:31

Middle Channel / 64QAM



Date: 22 JUN 2017 11:53:25

Highest Channel / 64QAM

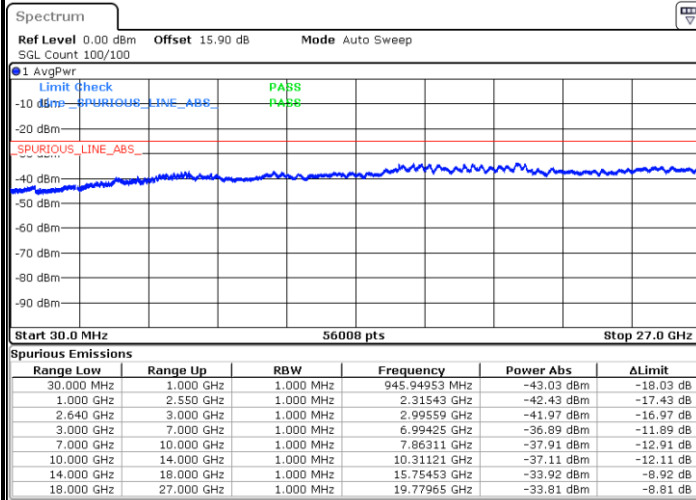


Date: 22 JUN 2017 11:54:19



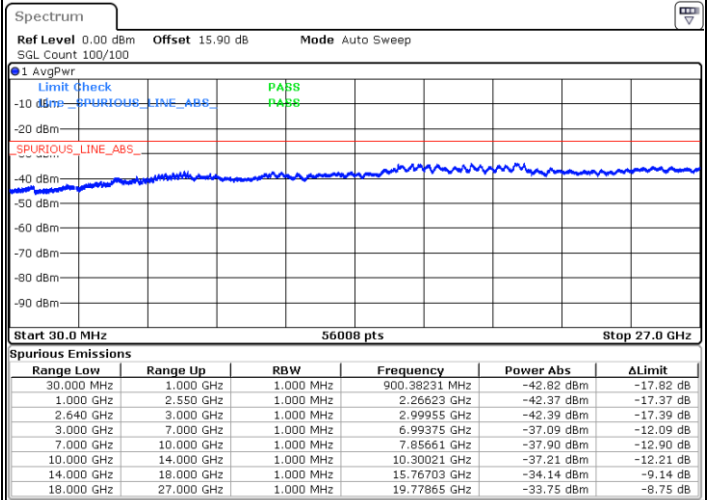
LTE Band 38 / 10MHz

Lowest Channel / 64QAM



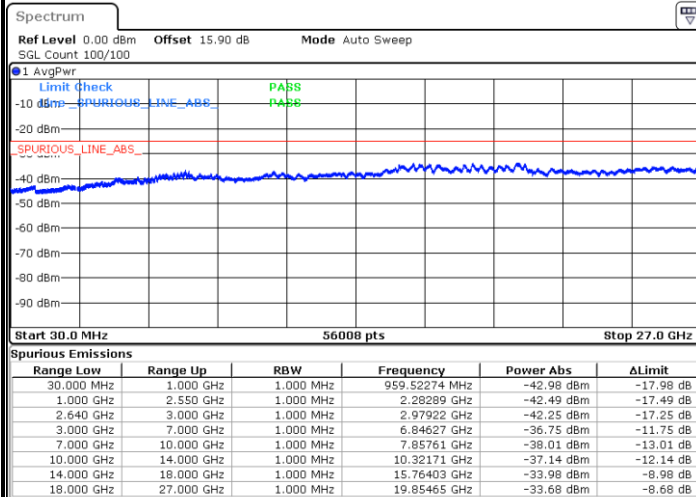
Date: 22 JUN 2017 11:55:13

Middle Channel / 64QAM



Date: 22 JUN 2017 11:56:07

Highest Channel / 64QAM

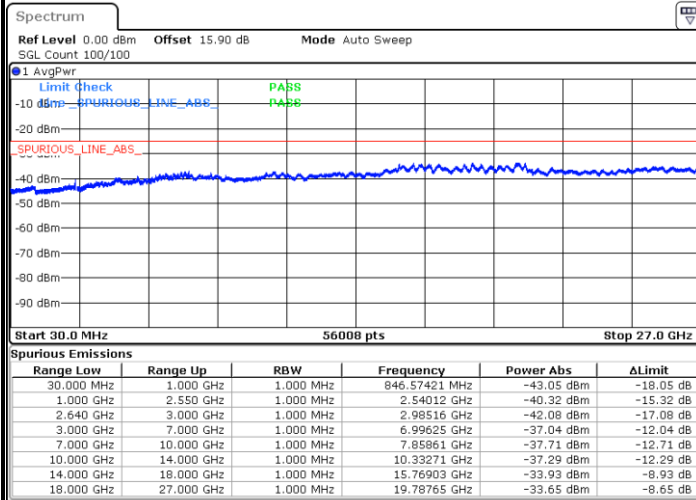


Date: 22 JUN 2017 11:57:01



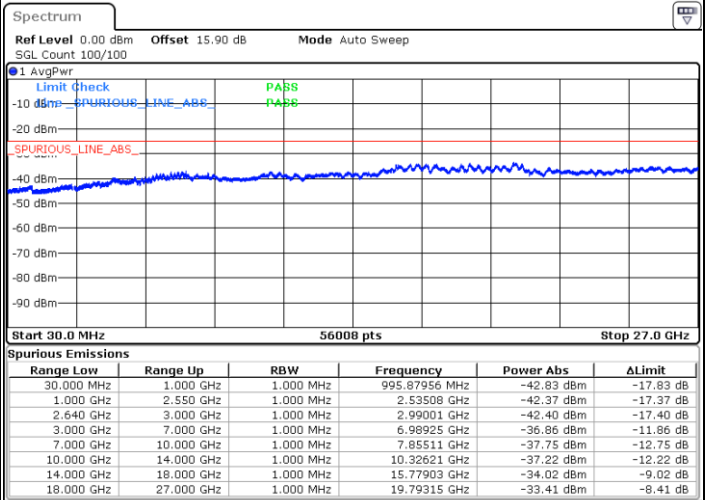
LTE Band 38 / 15MHz

Lowest Channel / 64QAM



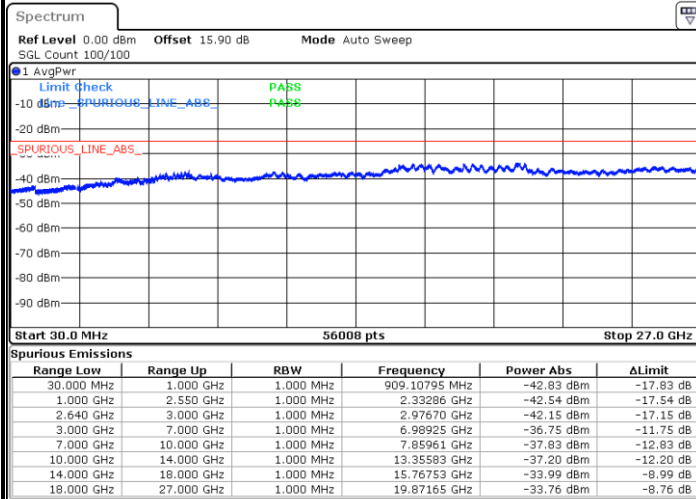
Date: 22 JUN 2017 11:57:56

Middle Channel / 64QAM



Date: 22 JUN 2017 11:58:50

Highest Channel / 64QAM

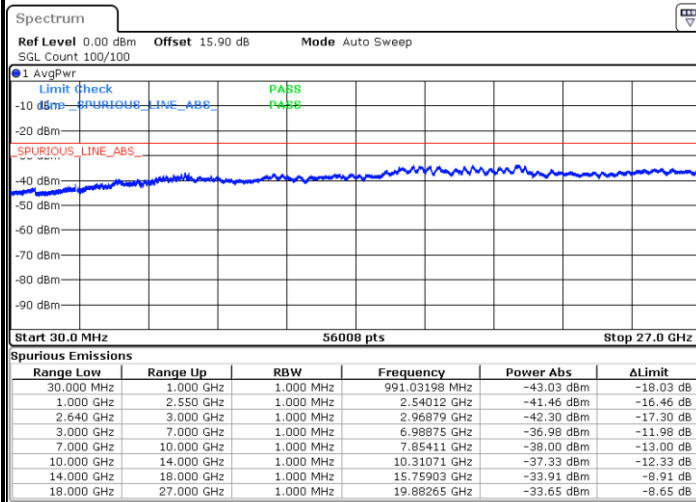


Date: 22 JUN 2017 11:59:44



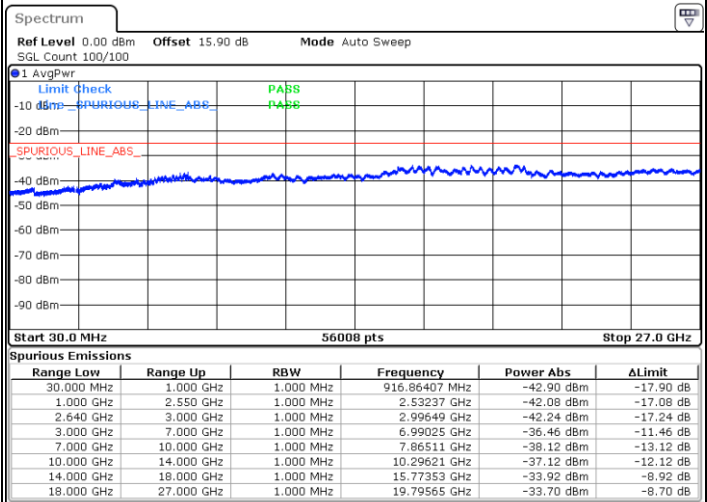
LTE Band 38 / 20MHz

Lowest Channel / 64QAM



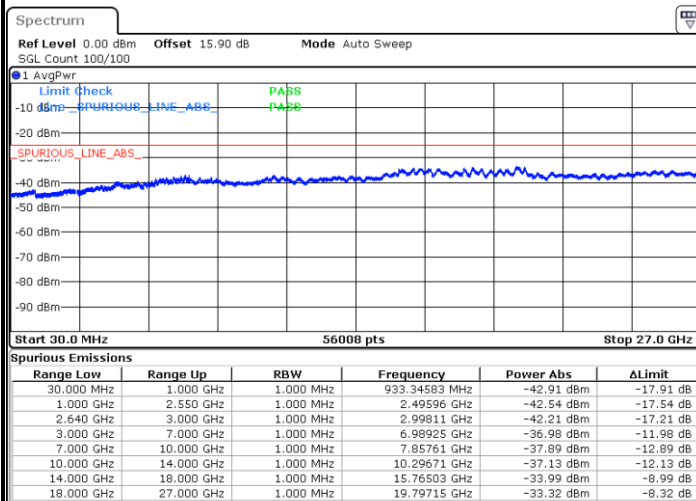
Date: 22 JUN 2017 12:00:38

Middle Channel / 64QAM



Date: 22 JUN 2017 12:01:32

Highest Channel / 64QAM



Date: 22 JUN 2017 12:02:26

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	0.0011	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0043	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0049	

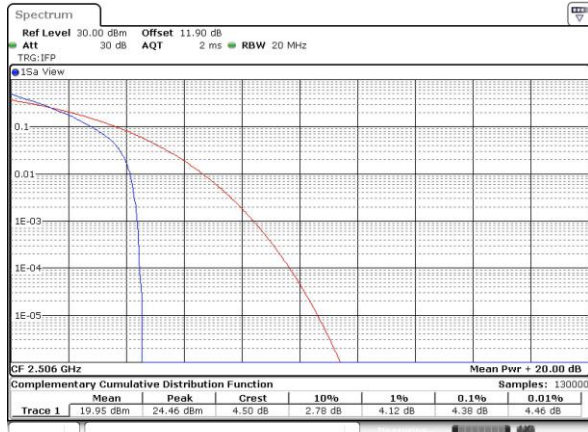
Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.1 V. ; Maximum Voltage =3.6 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

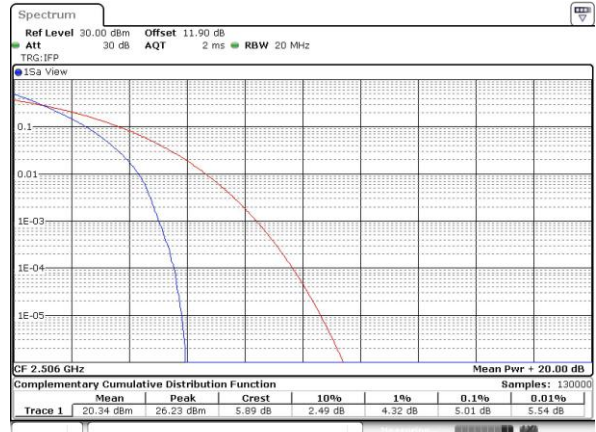
LTE Band 41

Peak-to-Average Ratio

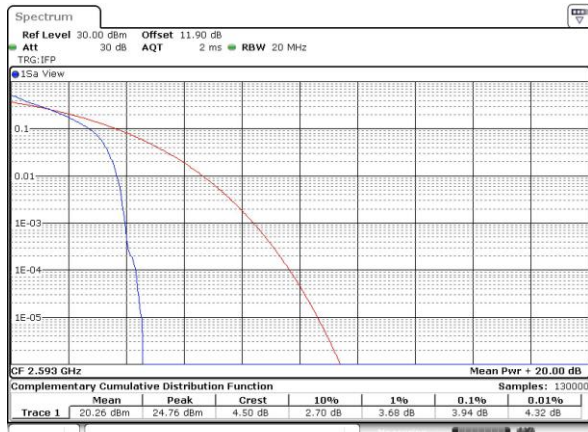
Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.38	5.01	5.01	5.97	PASS
Middle CH	3.94	5.16	5.07	6.23	
Highest CH	3.8	4.78	4.99	5.97	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.09	6.61			PASS
Middle CH	5.8	6.78			
Highest CH	5.57	6.49			

LTE Band 41 / 20MHz / QPSK
Lowest Channel / 1RB


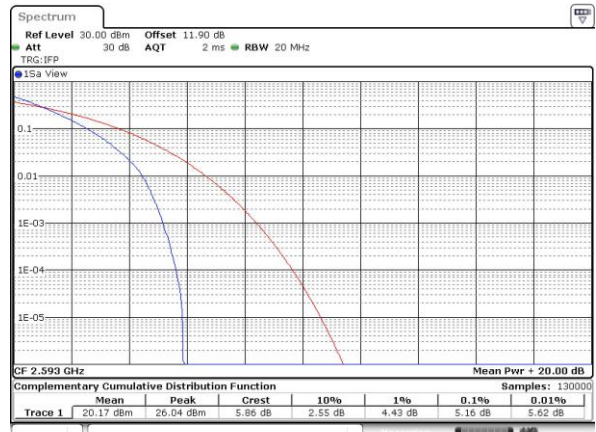
Date: 19 JUN 2017 11:44:15

Lowest Channel / Full RB


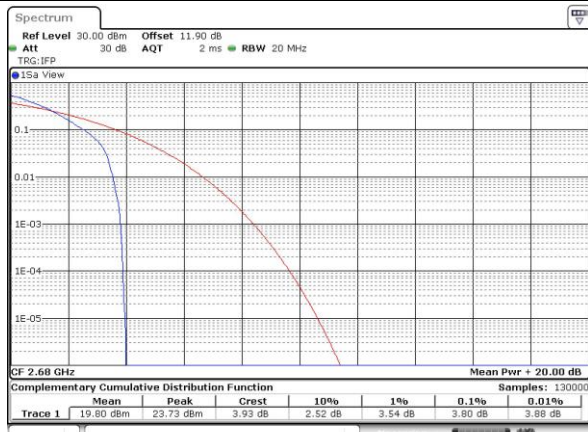
Date: 19 JUN 2017 11:44:36

Middle Channel / 1RB


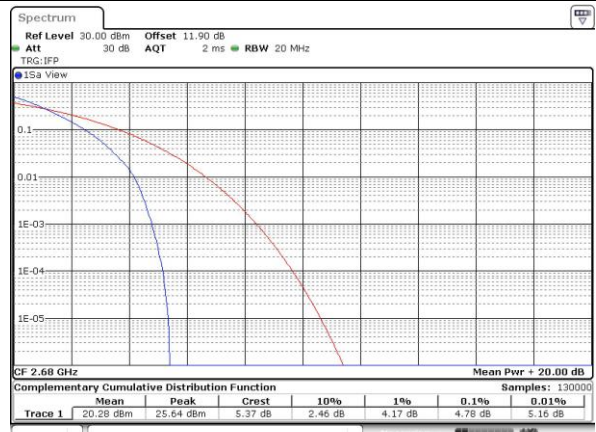
Date: 19 JUN 2017 11:44:51

Middle Channel / Full RB


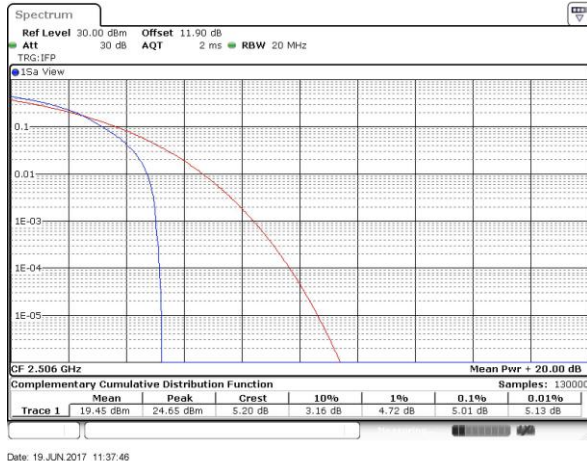
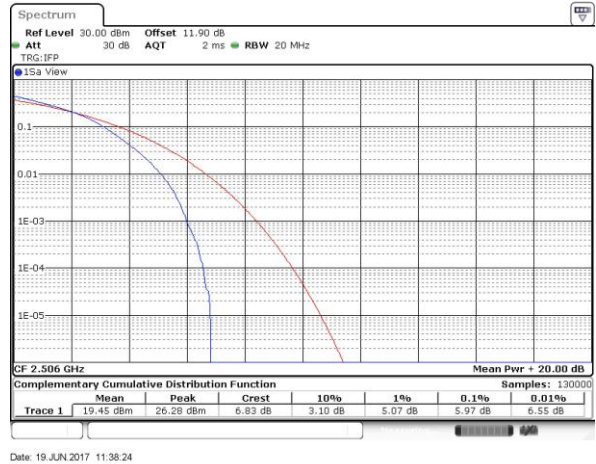
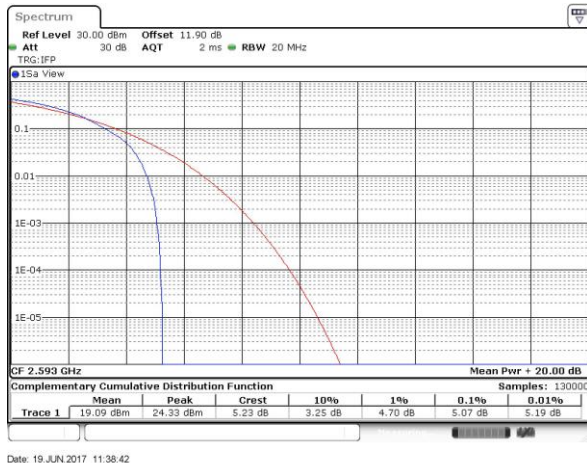
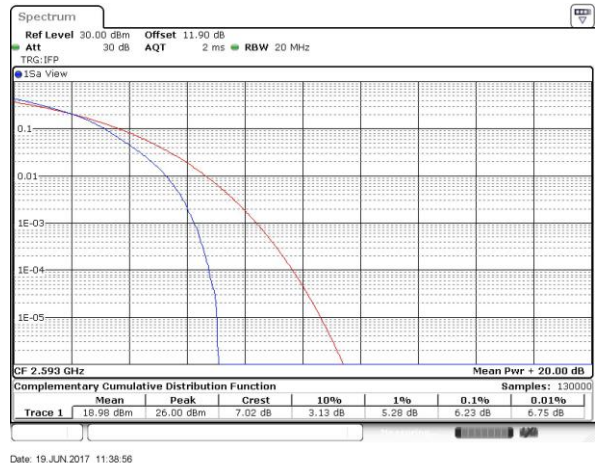
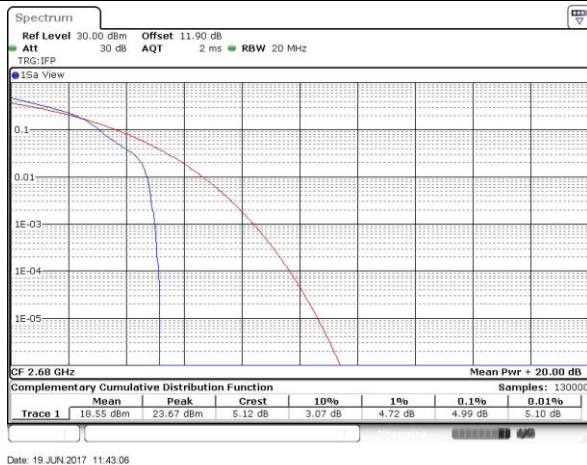
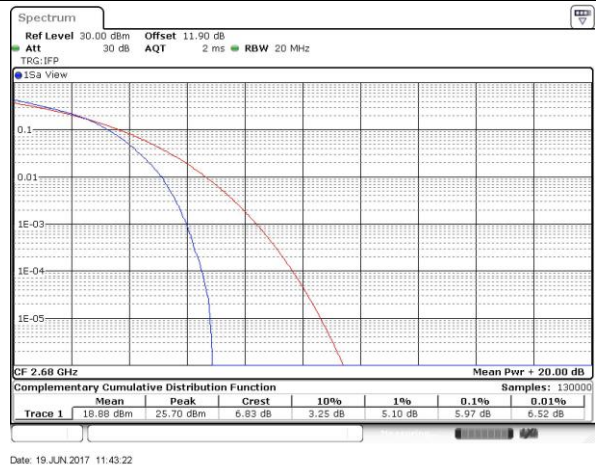
Date: 19 JUN 2017 11:45:06

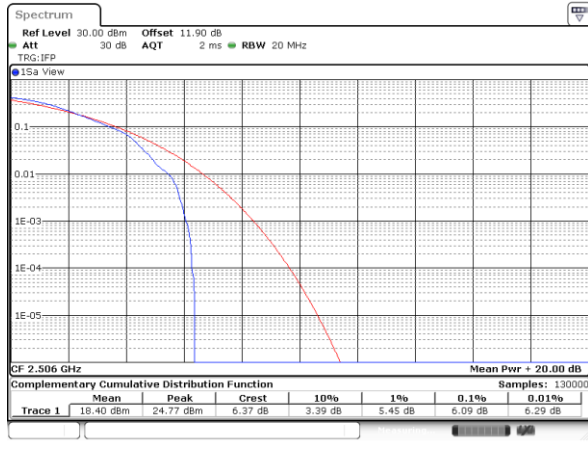
Highest Channel / 1RB


Date: 19 JUN 2017 11:45:50

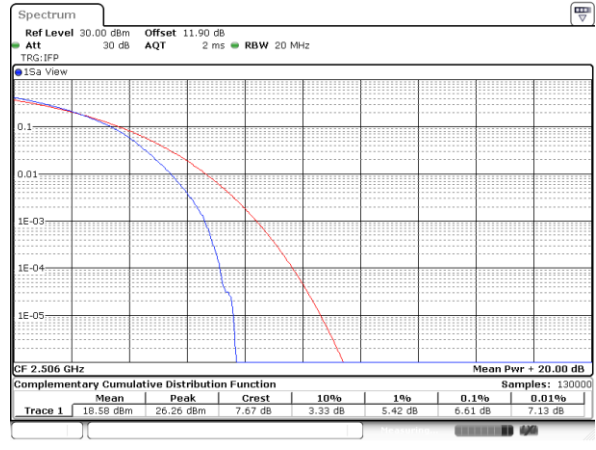
Highest Channel / Full RB


Date: 19 JUN 2017 11:46:28

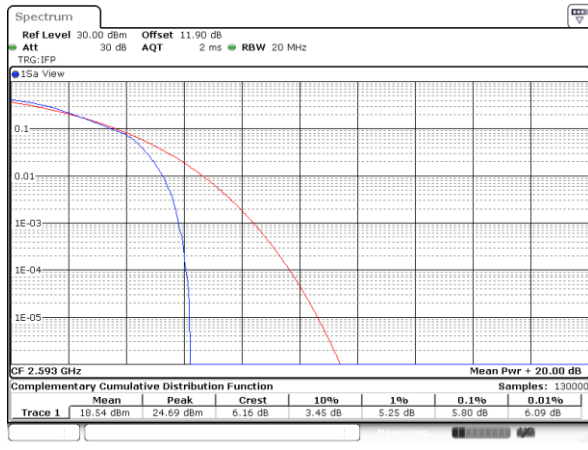
LTE Band 41 / 20MHz / 16QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


LTE Band 41 / 20MHz / 64QAM
Lowest Channel / 1RB


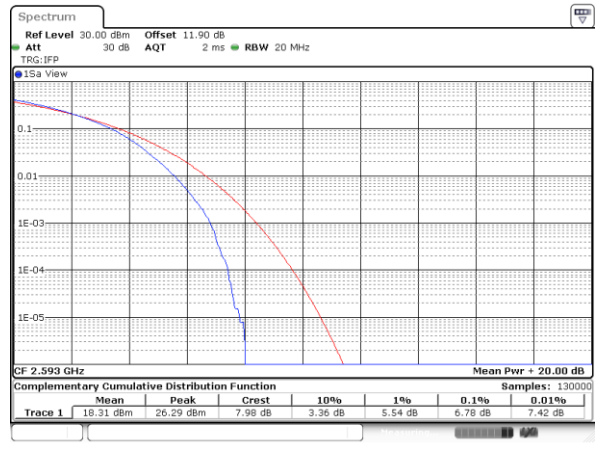
Date: 22 JUN 2017 13:40:50

Lowest Channel / Full RB


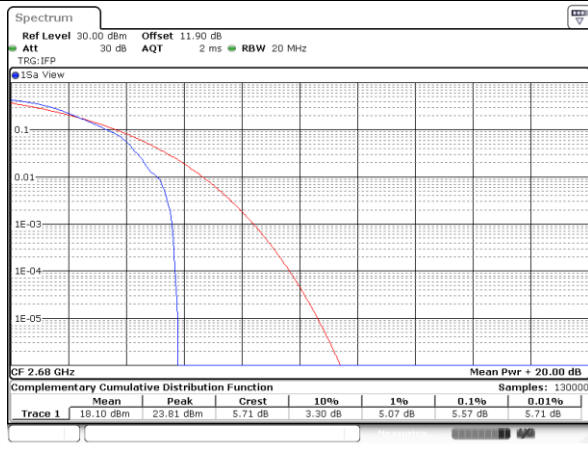
Date: 22 JUN 2017 13:41:07

Middle Channel / 1RB


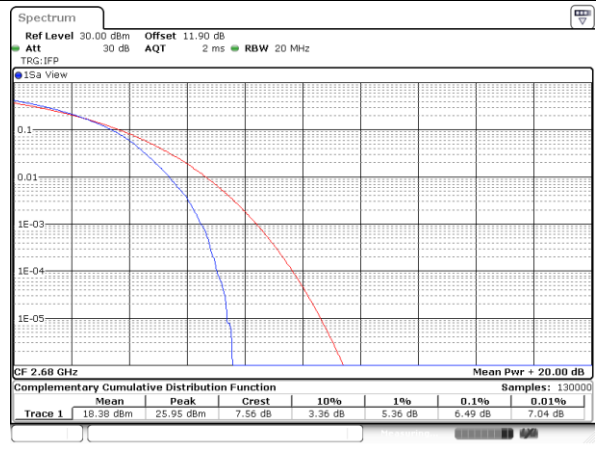
Date: 22 JUN 2017 13:43:28

Middle Channel / Full RB


Date: 22 JUN 2017 13:42:27

Highest Channel / 1RB


Date: 22 JUN 2017 13:42:44

Highest Channel / Full RB


Date: 22 JUN 2017 13:42:59

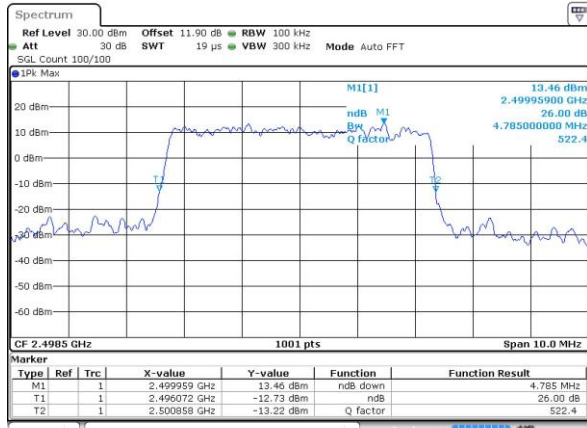
**26dB Bandwidth**

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	-	-	-	-	4.79	4.71	9.65	9.79	14.12	14.27	20.14	20.10
Middle CH	-	-	-	-	4.92	4.75	9.69	9.73	14.15	14.42	20.06	20.06
Highest CH	-	-	-	-	4.79	4.74	9.63	9.71	14.33	14.12	20.34	20.22
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.86	-	9.71	-	14.33	-	20.1	-
Middle CH	-	-	-	-	4.84	-	9.75	-	14.39	-	20.14	-
Highest CH	-	-	-	-	4.89	-	9.65	-	14.3	-	20.06	-



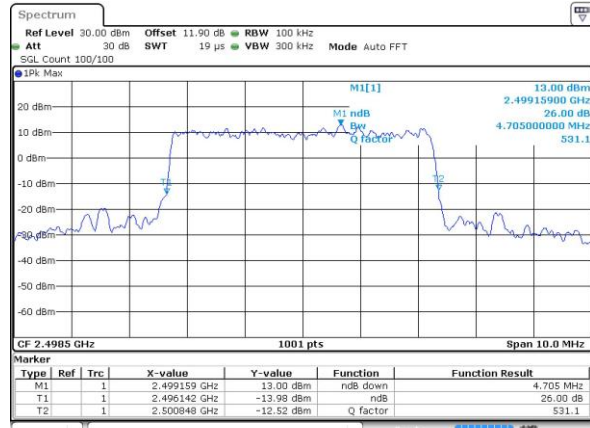
LTE Band 41

Lowest Channel / 5MHz / QPSK



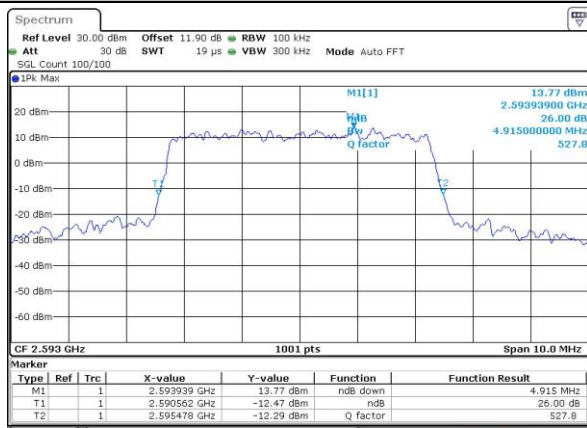
Date: 19 JUN 2017 11:01:36

Lowest Channel / 5MHz / 16QAM



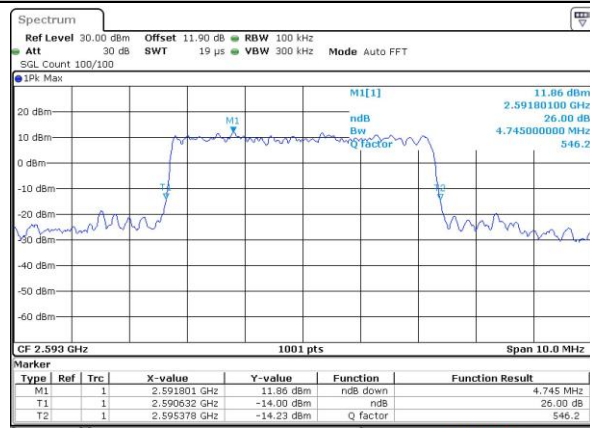
Date: 19 JUN 2017 11:01:47

Middle Channel / 5MHz / QPSK



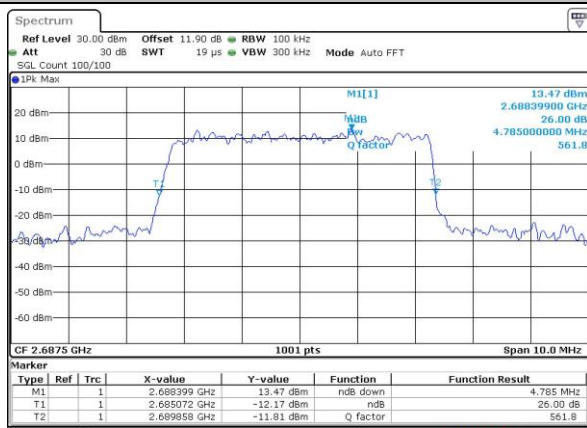
Date: 19 JUN 2017 11:02:18

Middle Channel / 5MHz / 16QAM



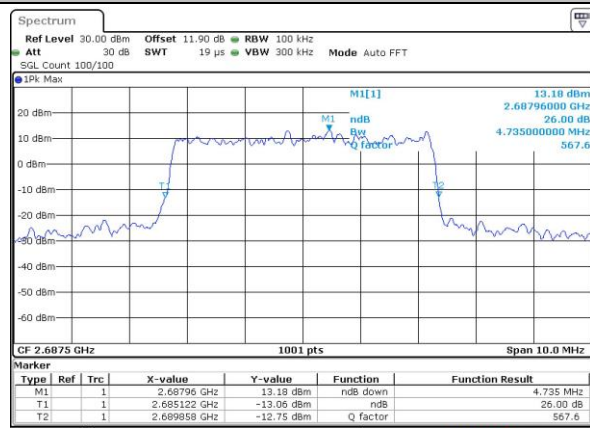
Date: 19 JUN 2017 11:02:28

Highest Channel / 5MHz / QPSK



Date: 19 JUN 2017 11:02:59

Highest Channel / 5MHz / 16QAM



Date: 19 JUN 2017 11:03:10