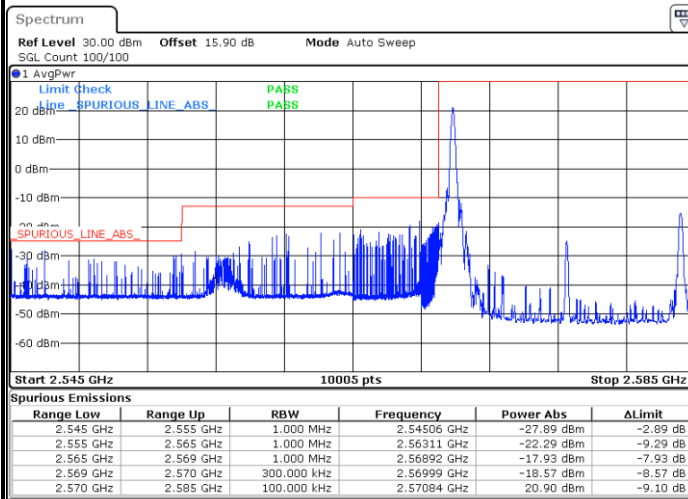


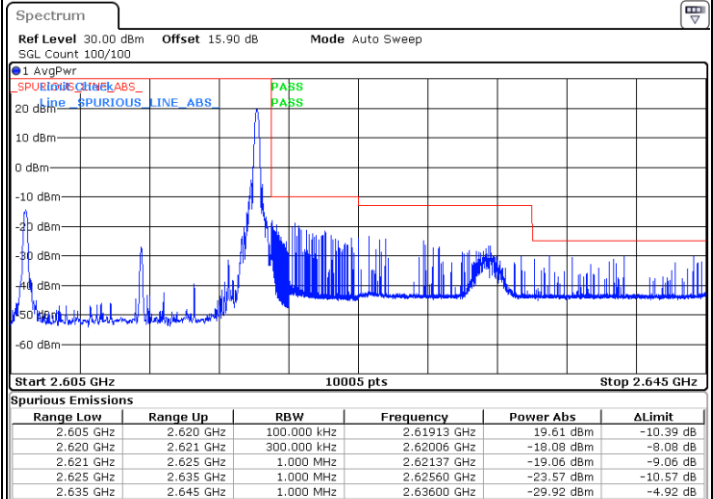


LTE Band 38 / 15MHz / 16QAM

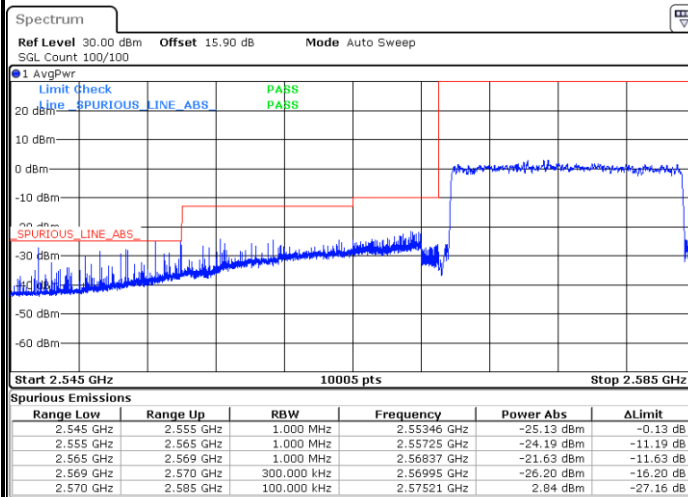
Lowest Band Edge / 1 RB



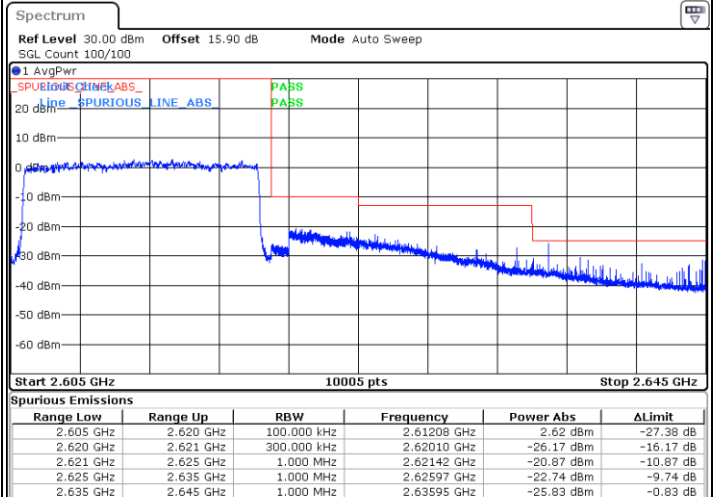
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



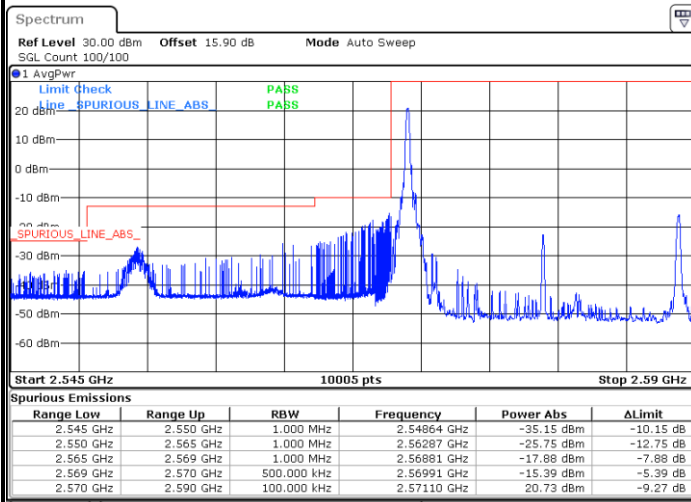
Highest Band Edge / Full RB





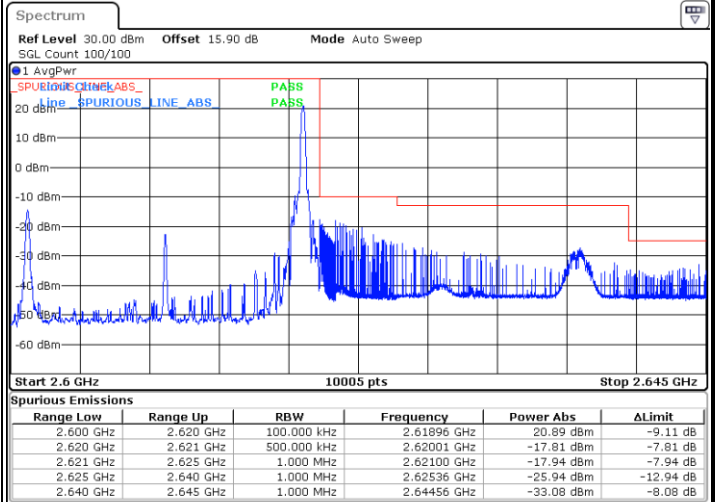
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB



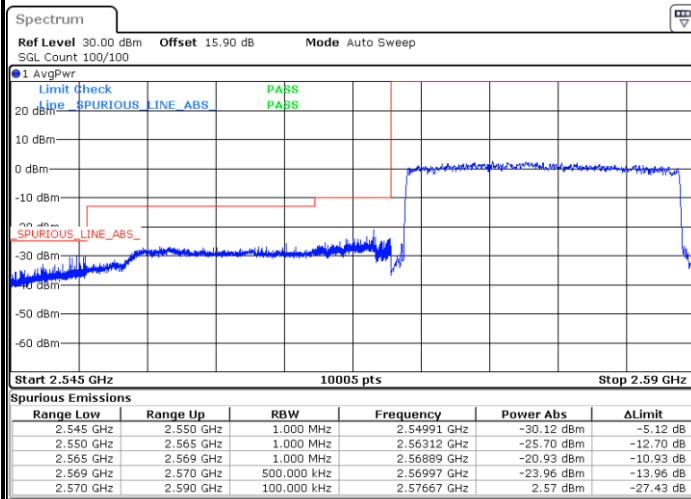
Date: 10 JAN 2018 14:23:01

Highest Band Edge / 1 RB



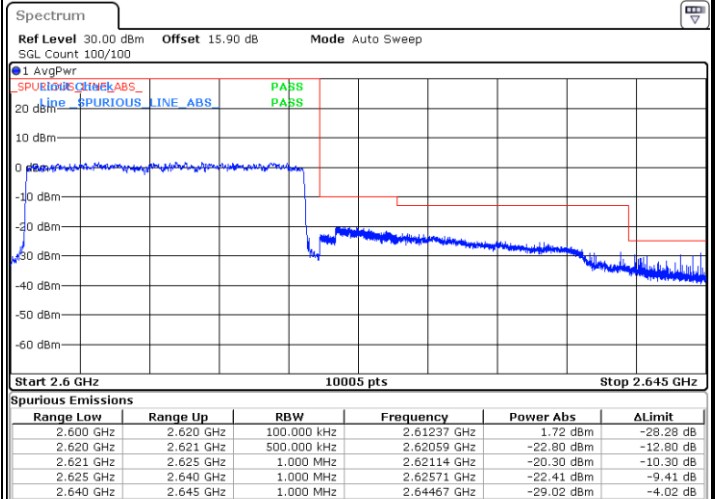
Date: 10 JAN 2018 14:29:57

Lowest Band Edge / Full RB



Date: 10 JAN 2018 14:25:20

Highest Band Edge / Full RB

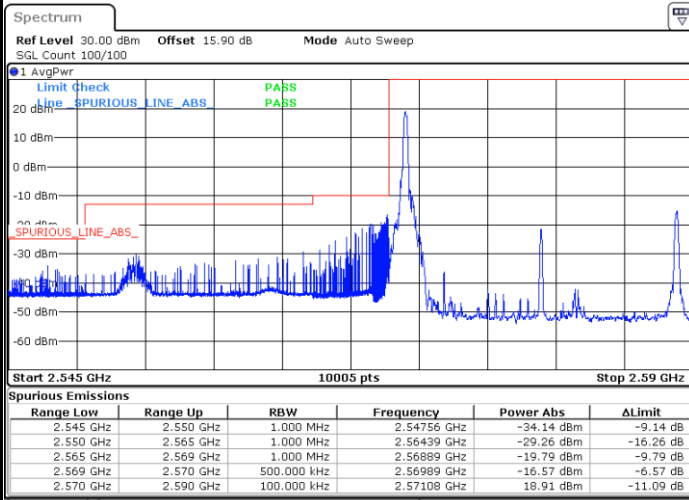


Date: 10 JAN 2018 14:27:39

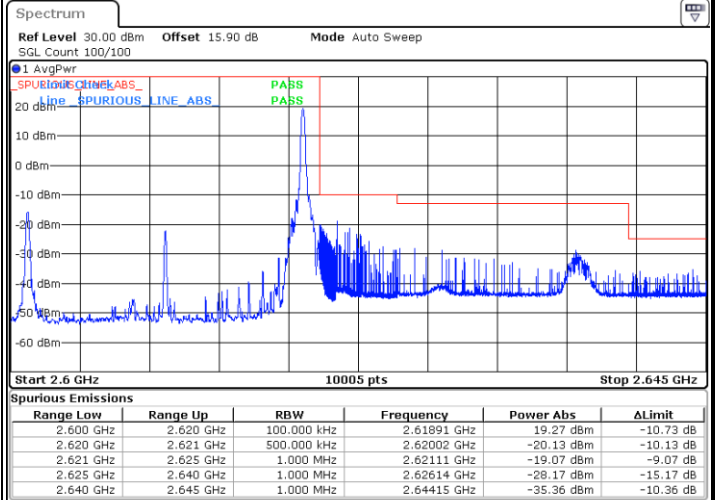


LTE Band 38 / 20MHz / 16QAM

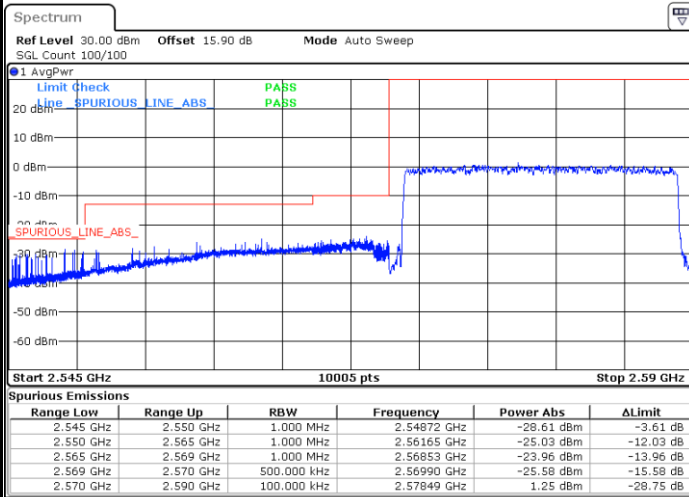
Lowest Band Edge / 1 RB



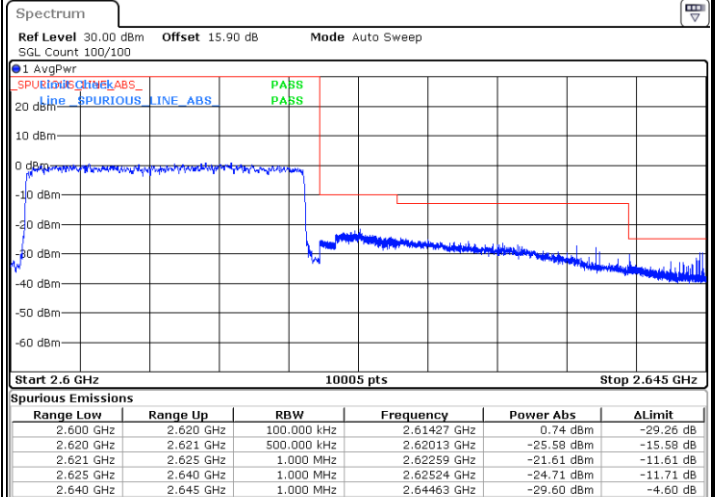
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



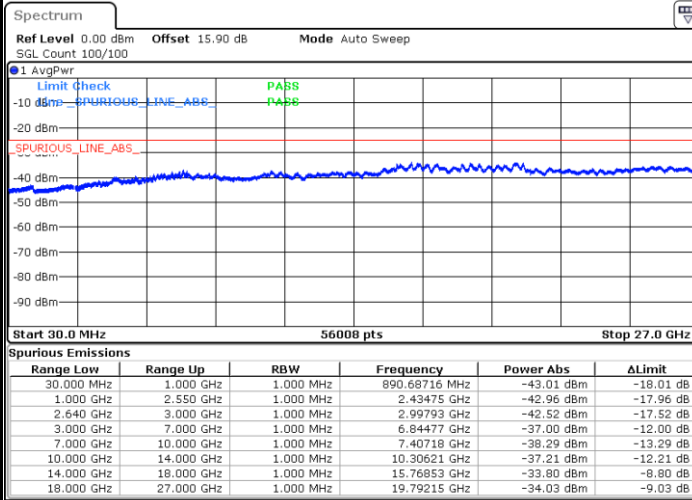


Conducted Spurious Emission



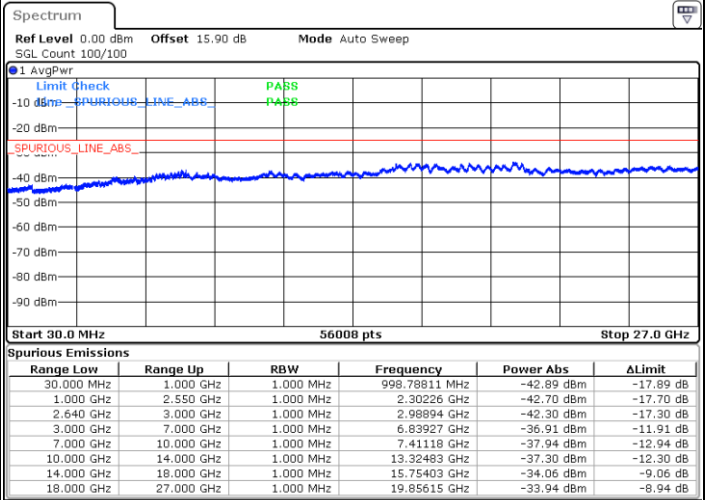
LTE Band 38 / 5MHz

Lowest Channel / QPSK



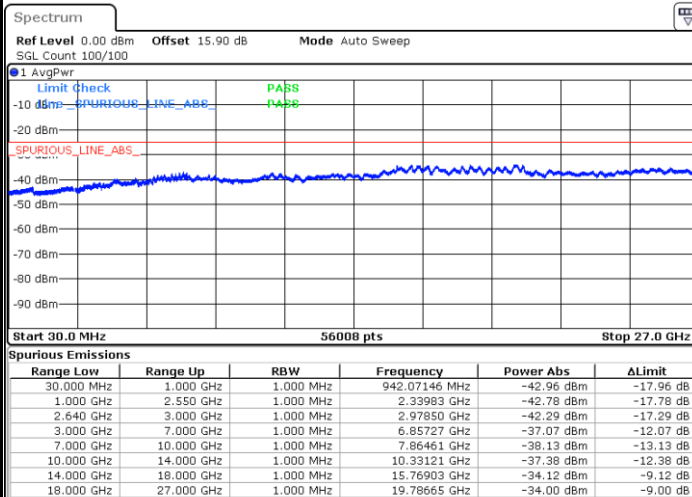
Date: 10 JAN 2018 14:32:01

Lowest Channel / 16QAM



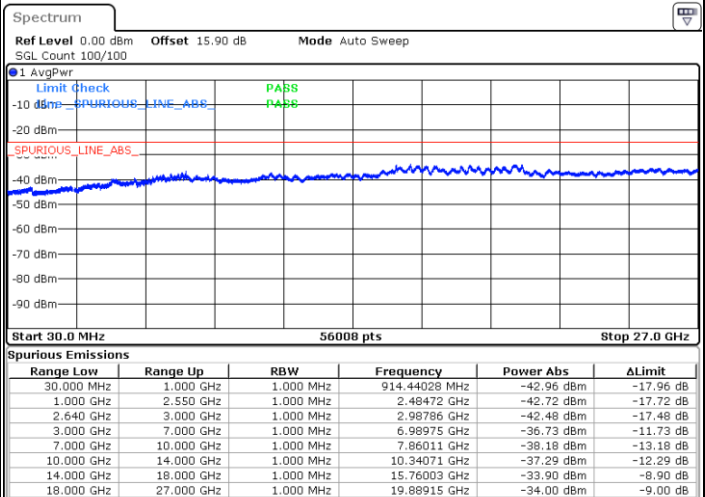
Date: 10 JAN 2018 14:32:55

Middle Channel / QPSK



Date: 10 JAN 2018 14:33:50

Middle Channel / 16QAM

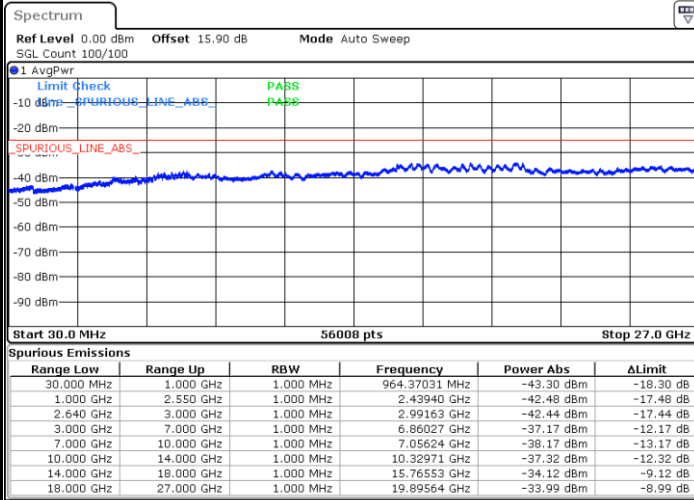


Date: 10 JAN 2018 14:34:44



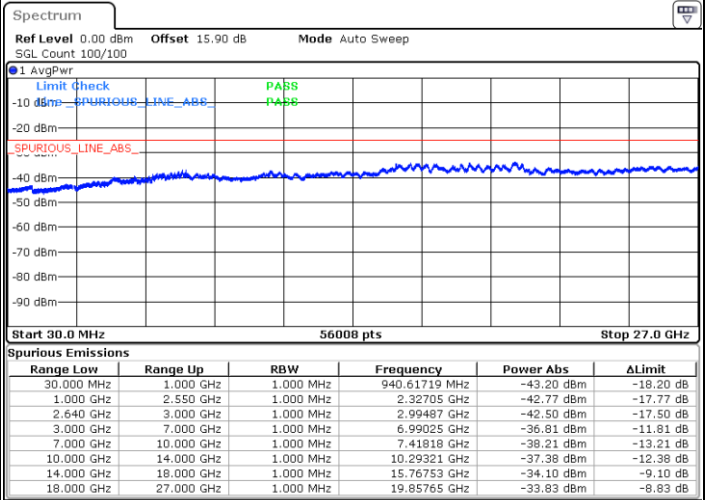
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 10 JAN 2018 14:35:38

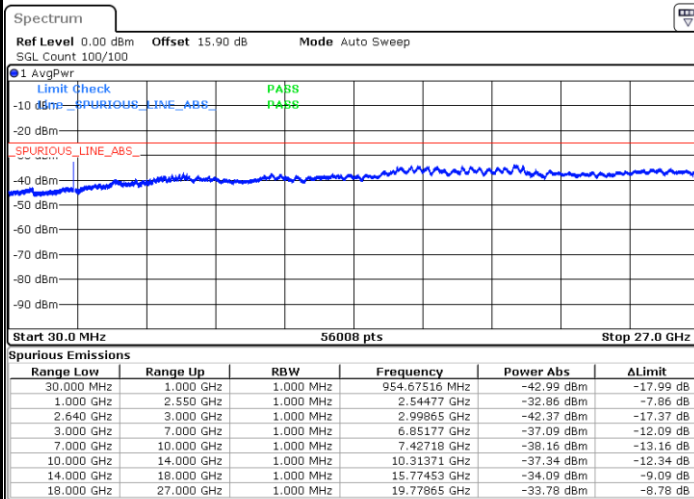
Highest Channel / 16QAM



Date: 10 JAN 2018 14:36:32

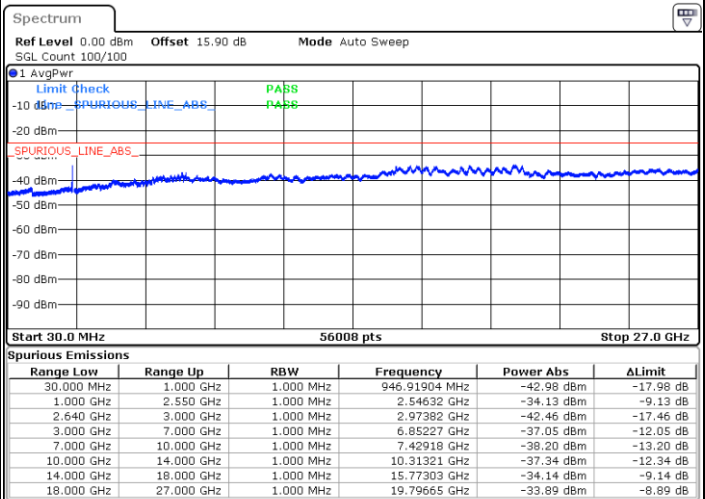
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 10 JAN 2018 14:37:26

Lowest Channel / 16QAM

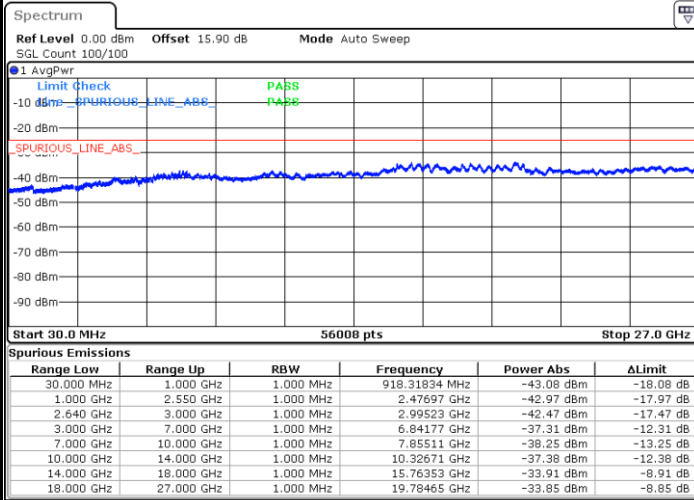


Date: 10 JAN 2018 14:38:21



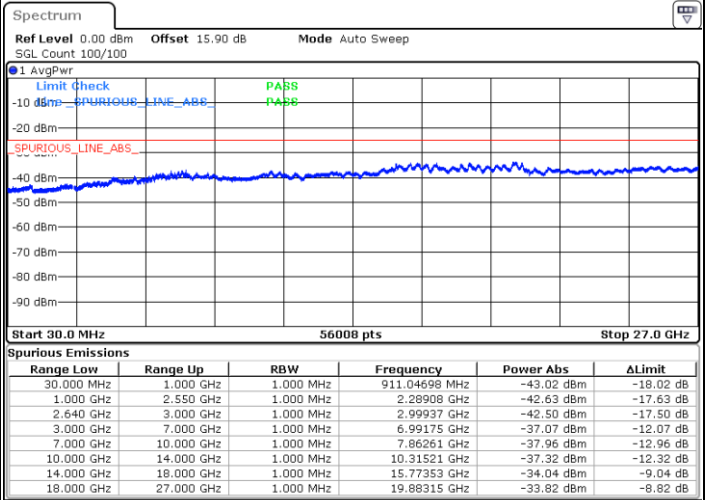
LTE Band 38 / 10MHz

Middle Channel / QPSK



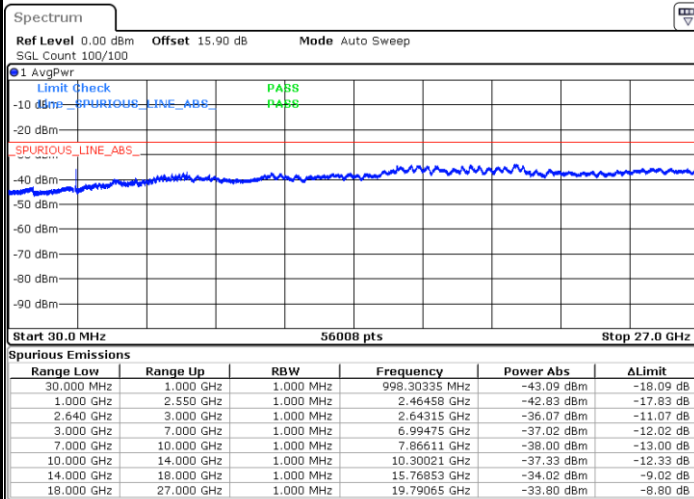
Date: 10 JAN 2018 14:39:15

Middle Channel / 16QAM



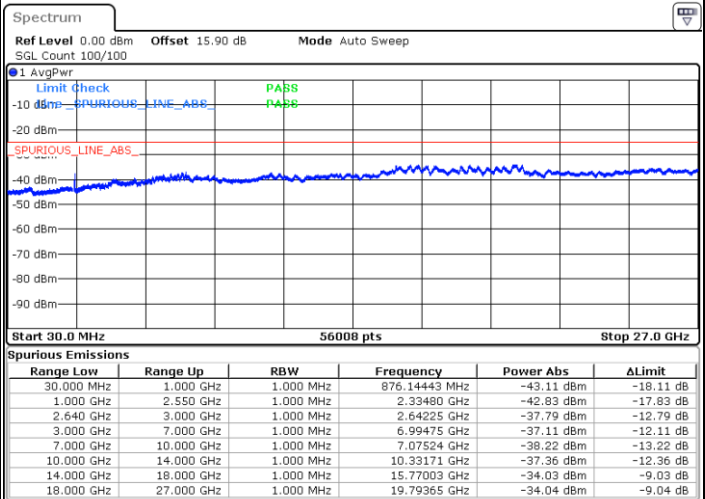
Date: 10 JAN 2018 14:40:09

Highest Channel / QPSK



Date: 10 JAN 2018 14:41:03

Highest Channel / 16QAM

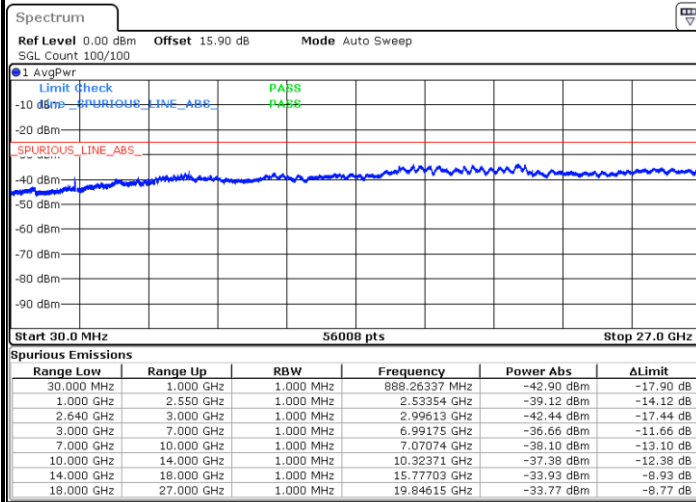


Date: 10 JAN 2018 14:41:57



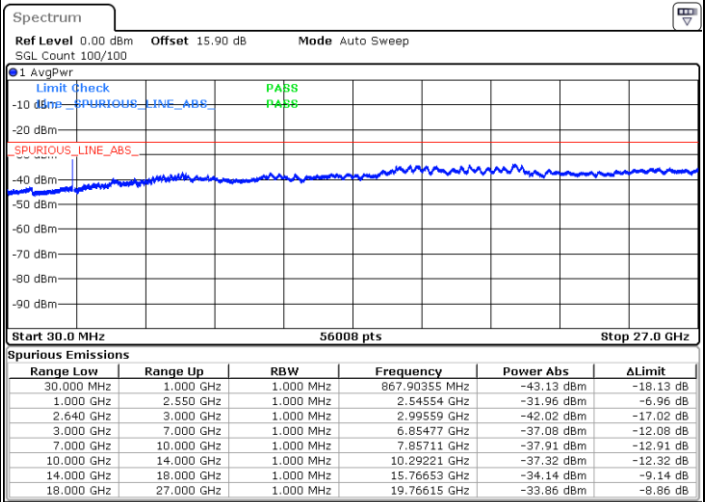
LTE Band 38 / 15MHz

Lowest Channel / QPSK



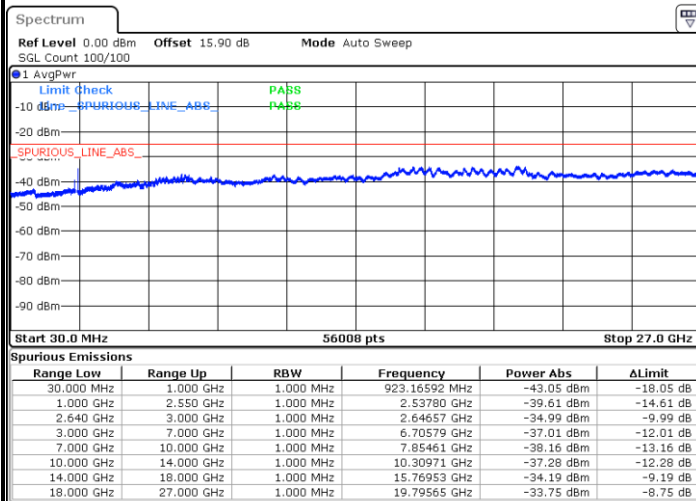
Date: 10 JAN 2018 14:42:51

Lowest Channel / 16QAM



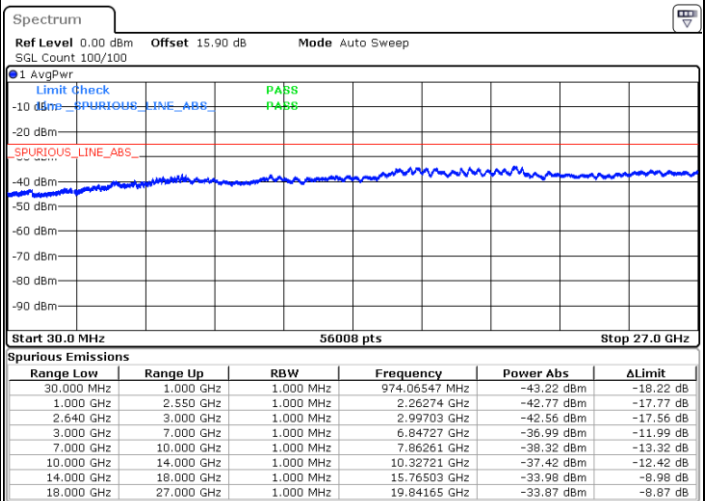
Date: 10 JAN 2018 14:43:46

Middle Channel / QPSK



Date: 10 JAN 2018 14:44:40

Middle Channel / 16QAM

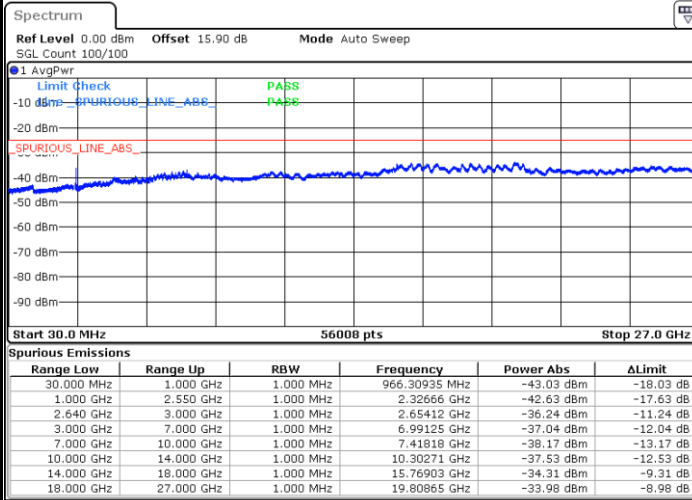


Date: 10 JAN 2018 14:45:34



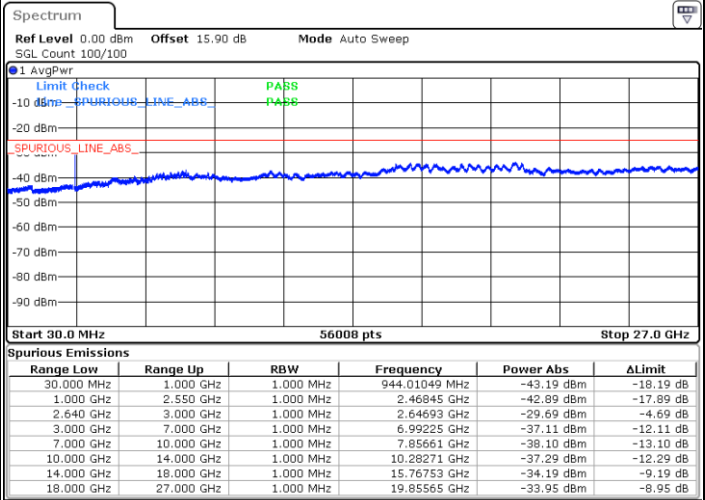
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 10 JAN 2018 14:46:28

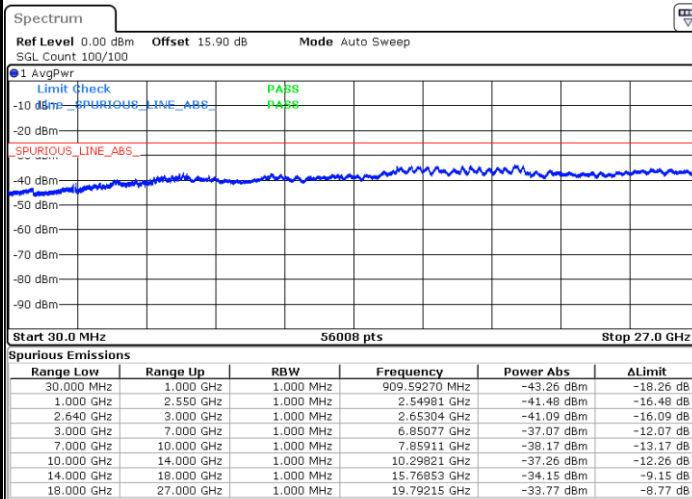
Highest Channel / 16QAM



Date: 10 JAN 2018 14:47:22

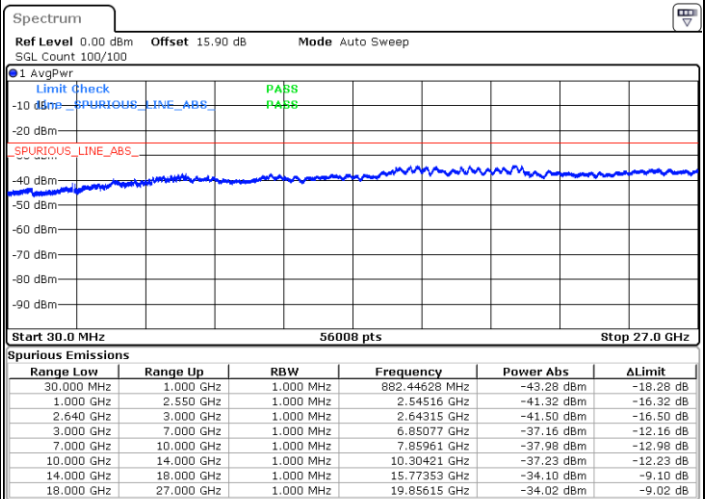
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 10 JAN 2018 14:48:16

Lowest Channel / 16QAM

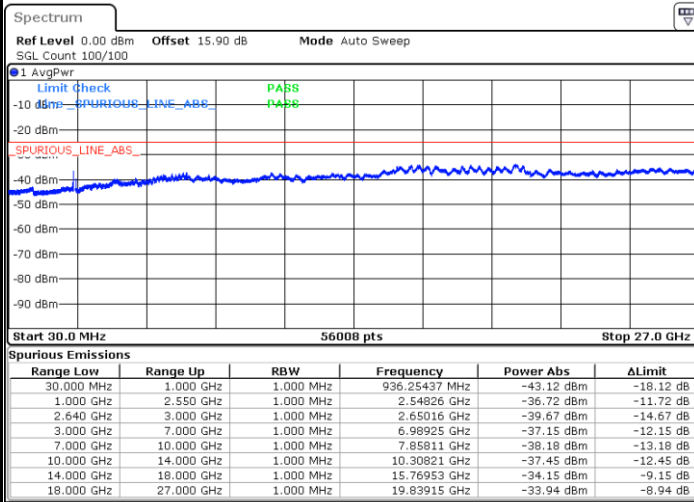


Date: 10 JAN 2018 14:49:10



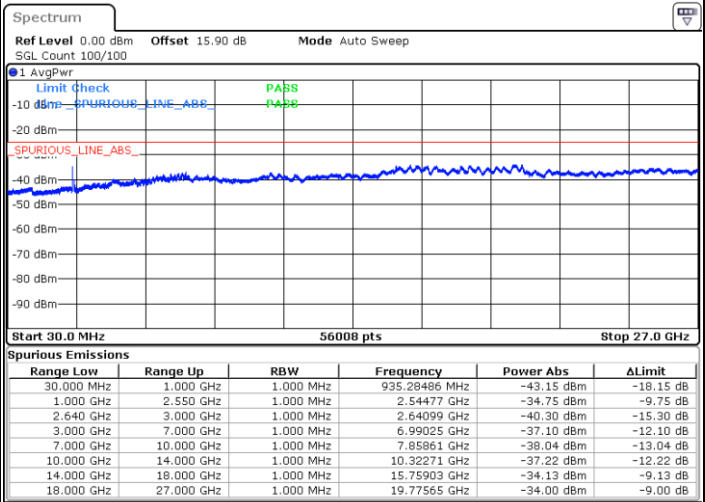
LTE Band 38 / 20MHz

Middle Channel / QPSK



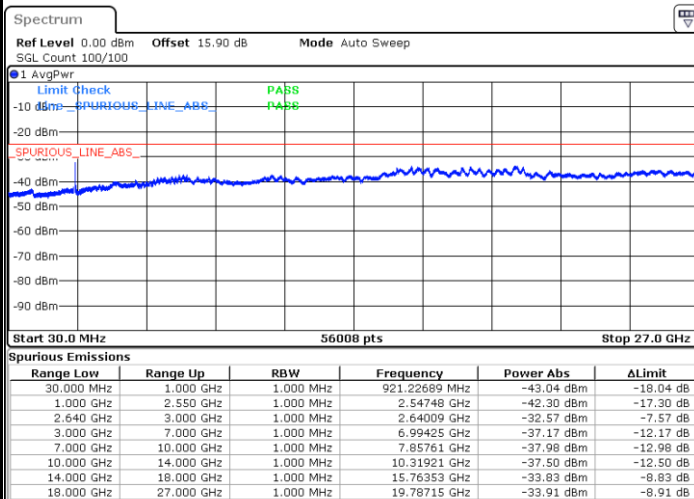
Date: 10 JAN 2018 14:50:04

Middle Channel / 16QAM



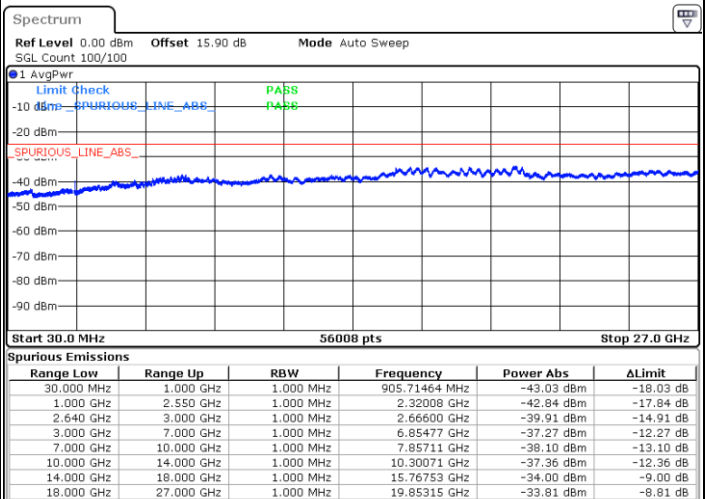
Date: 10 JAN 2018 14:50:58

Highest Channel / QPSK



Date: 10 JAN 2018 14:51:52

Highest Channel / 16QAM



Date: 10 JAN 2018 14:52:47

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	0.0008	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0084	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0082	
-20	Normal Voltage	0.0087	
-30	Normal Voltage	0.0083	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

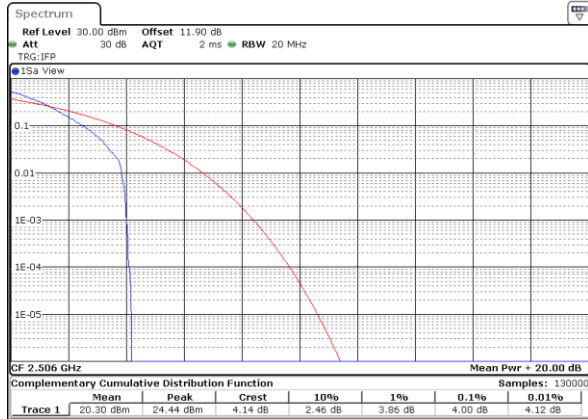
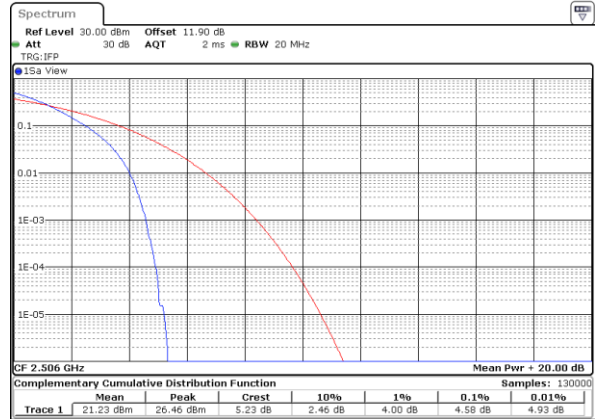
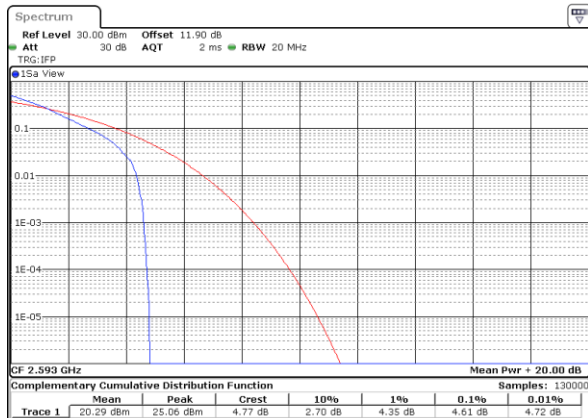
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

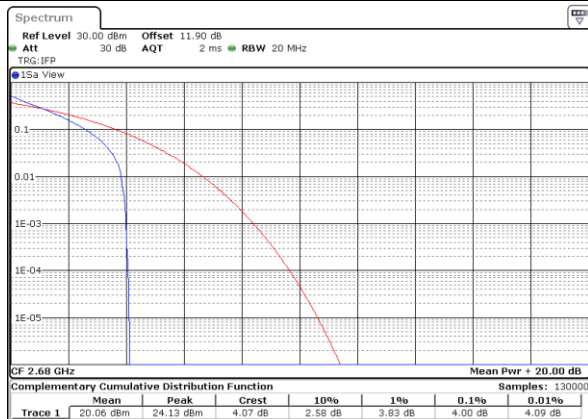
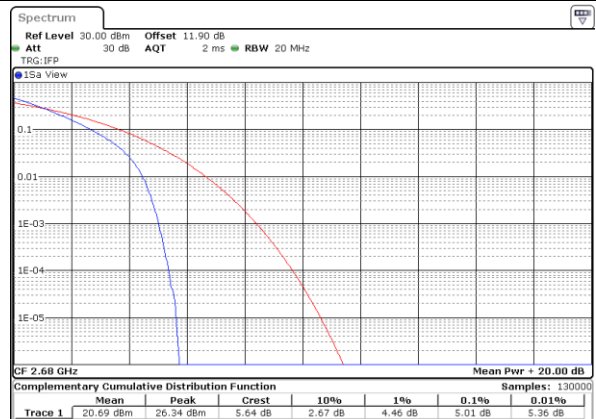


LTE Band 41

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	4.58	5.13	5.54	PASS
Middle CH	4.61	4.93	5.42	6	
Highest CH	4	5.01	5.36	6.14	

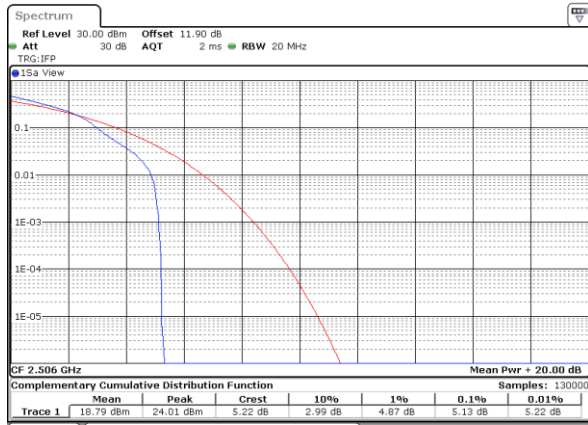
LTE Band 41 / 20MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


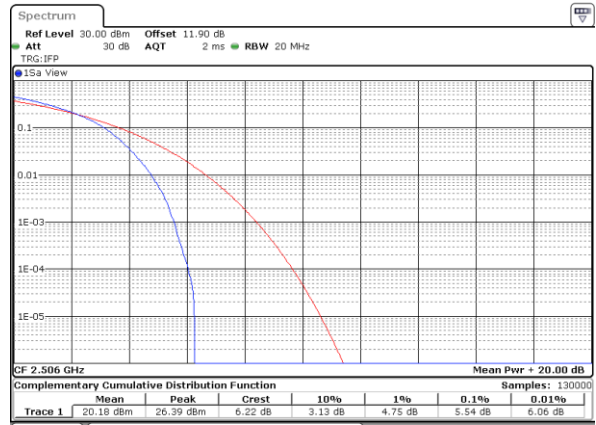


LTE Band 41 / 20MHz / 16QAM

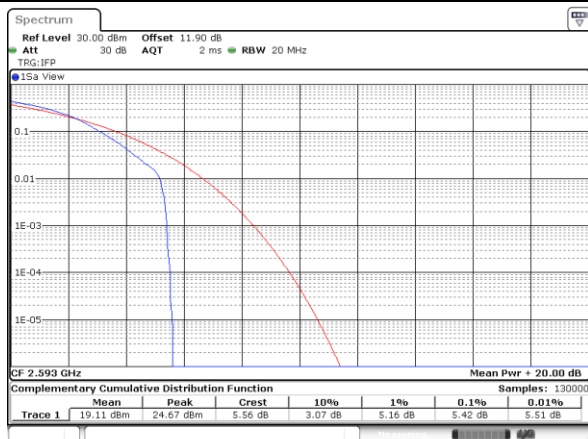
Lowest Channel / 1RB



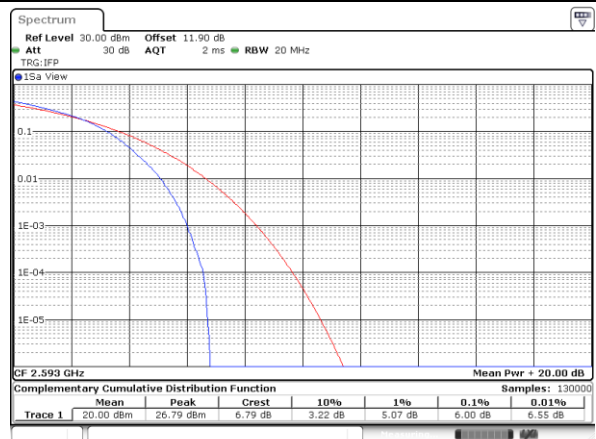
Lowest Channel / Full RB



Middle Channel / 1RB



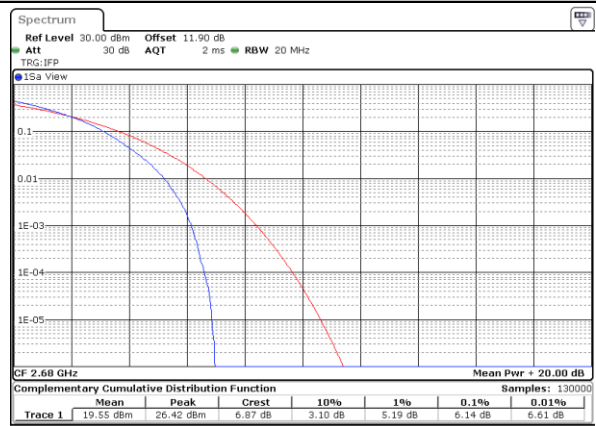
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





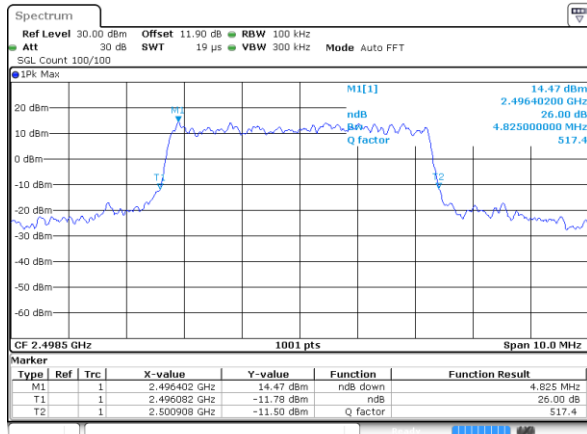
26dB Bandwidth

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	-	-	-	-	4.83	4.94	9.61	9.75	14.24	14.15	20.06	20.02
Middle CH	-	-	-	-	4.97	4.91	9.87	9.73	14.15	14.12	20.02	20.02
Highest CH	-	-	-	-	4.96	4.91	9.89	9.73	14.39	14.39	20.50	20.06



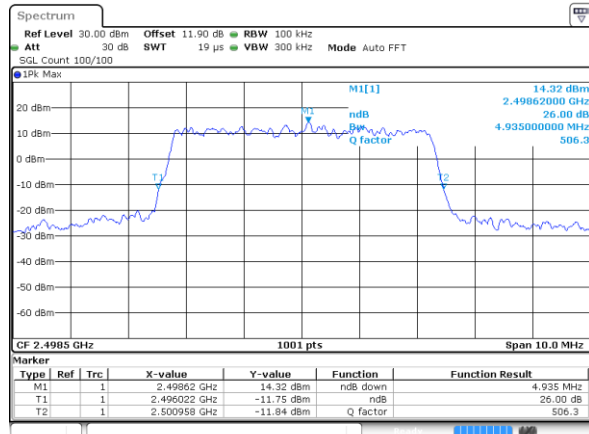
LTE Band 41

Lowest Channel / 5MHz / QPSK



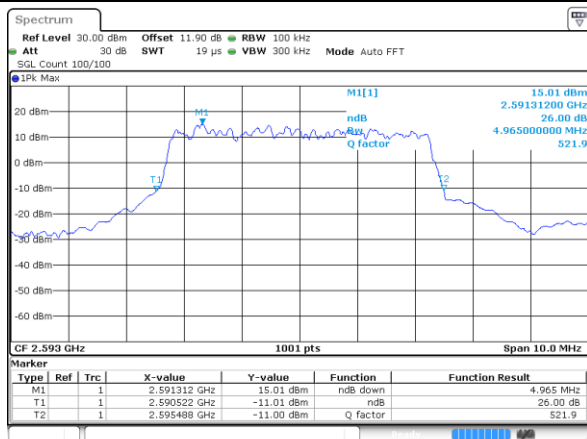
Date: 10 JAN 2018 17:11:56

Lowest Channel / 5MHz / 16QAM



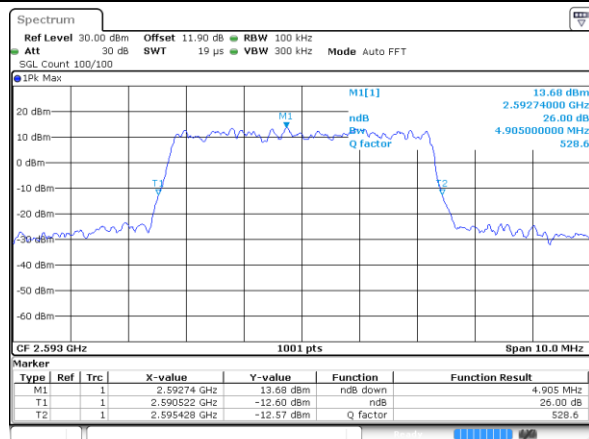
Date: 10 JAN 2018 17:12:06

Middle Channel / 5MHz / QPSK



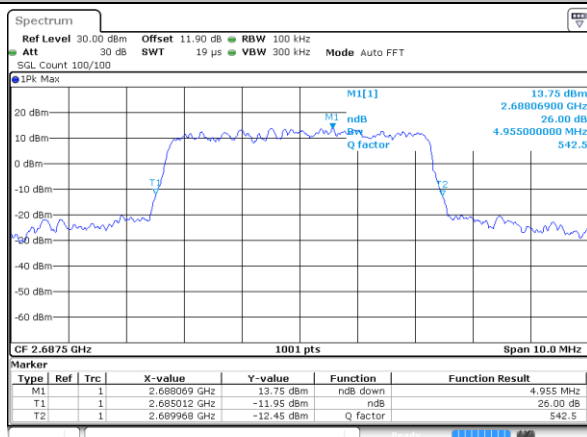
Date: 10 JAN 2018 17:12:36

Middle Channel / 5MHz / 16QAM



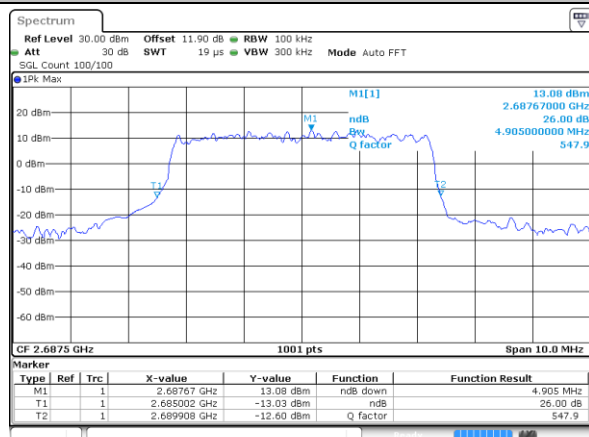
Date: 10 JAN 2018 17:12:46

Highest Channel / 5MHz / QPSK



Date: 10 JAN 2018 17:13:17

Highest Channel / 5MHz / 16QAM

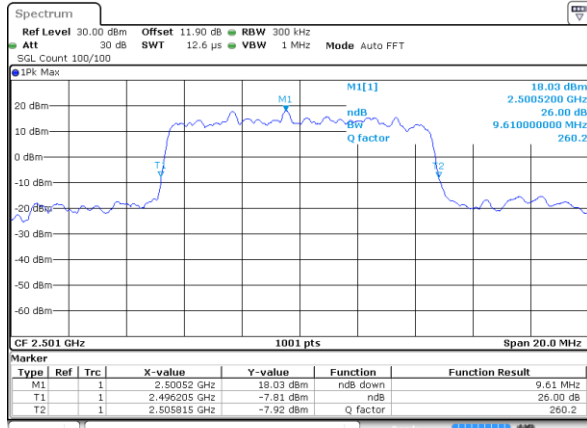


Date: 10 JAN 2018 17:13:27



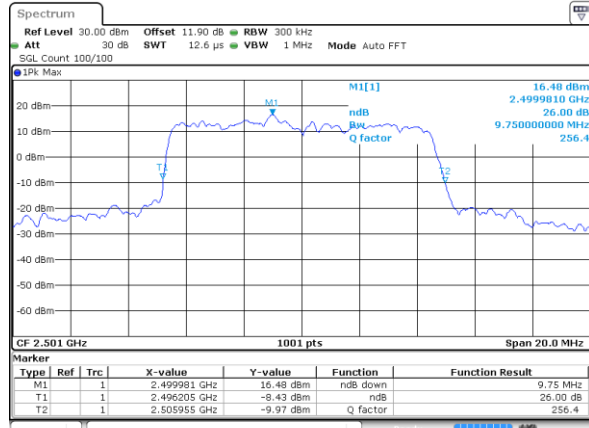
LTE Band 41

Lowest Channel / 10MHz / QPSK



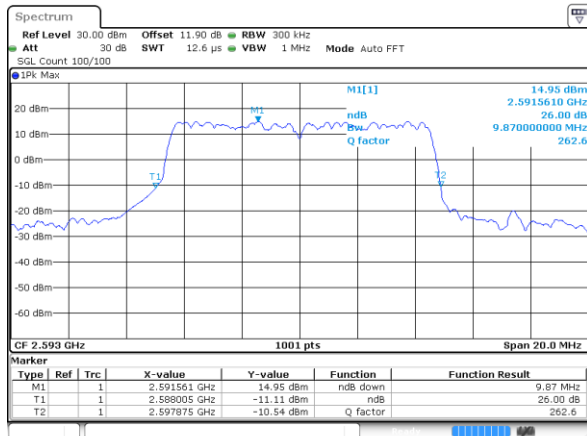
Date: 10 JAN 2018 17:13:57

Lowest Channel / 10MHz / 16QAM



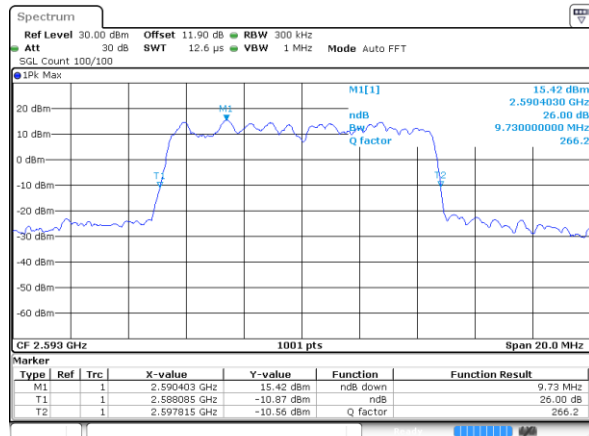
Date: 10 JAN 2018 17:14:07

Middle Channel / 10MHz / QPSK



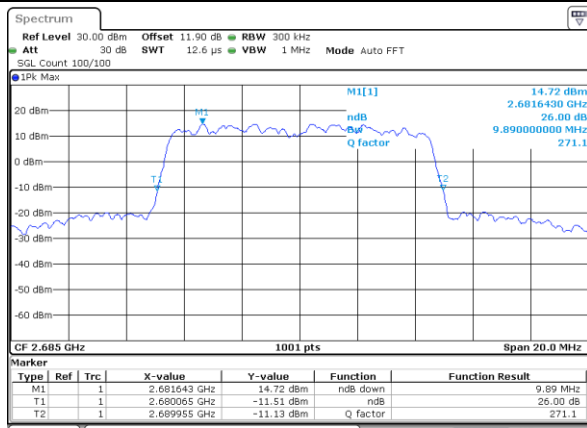
Date: 10 JAN 2018 17:14:37

Middle Channel / 10MHz / 16QAM



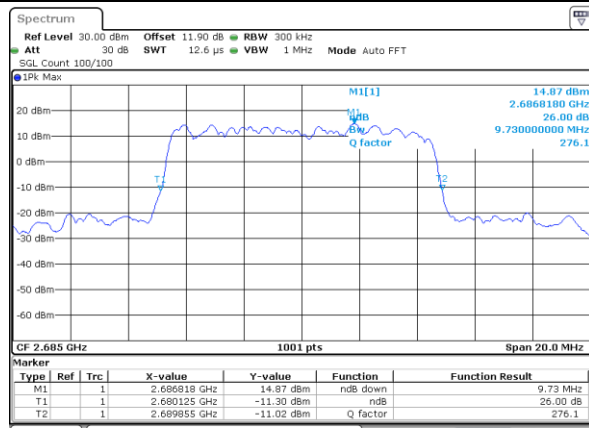
Date: 10 JAN 2018 17:14:47

Highest Channel / 10MHz / QPSK



Date: 10 JAN 2018 17:15:17

Highest Channel / 10MHz / 16QAM

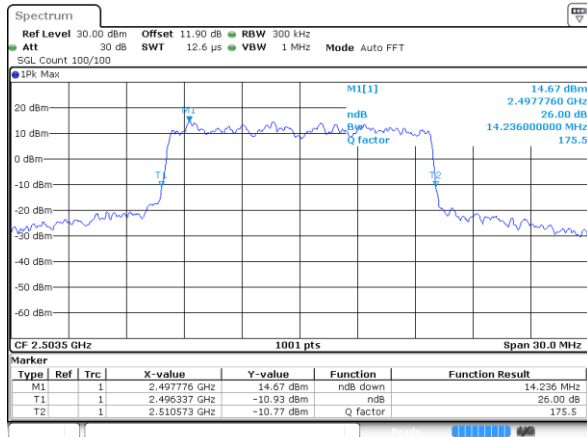


Date: 10 JAN 2018 17:15:27

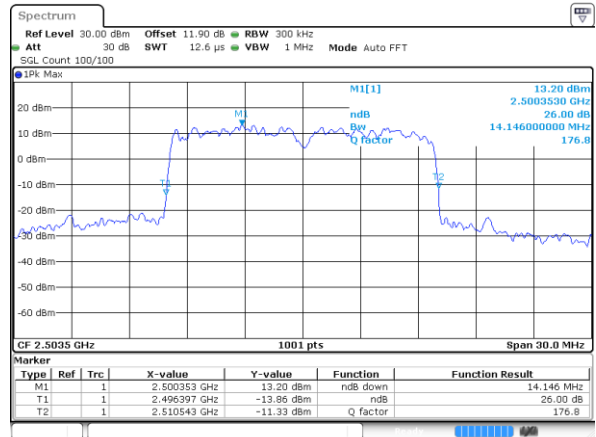


LTE Band 41

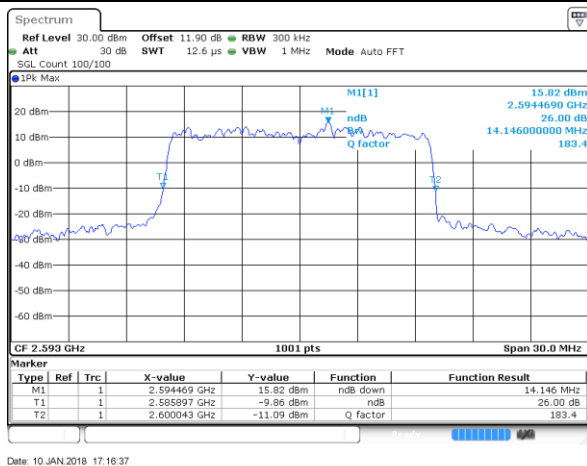
Lowest Channel / 15MHz / QPSK



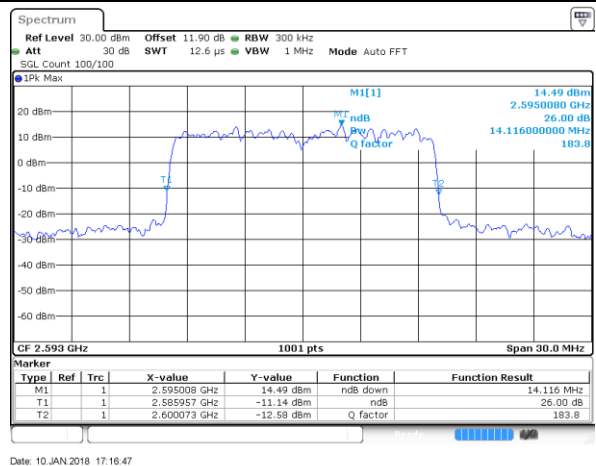
Lowest Channel / 15MHz / 16QAM



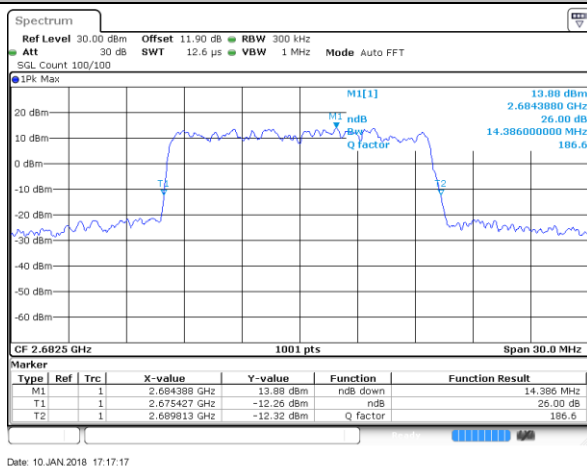
Middle Channel / 15MHz / QPSK



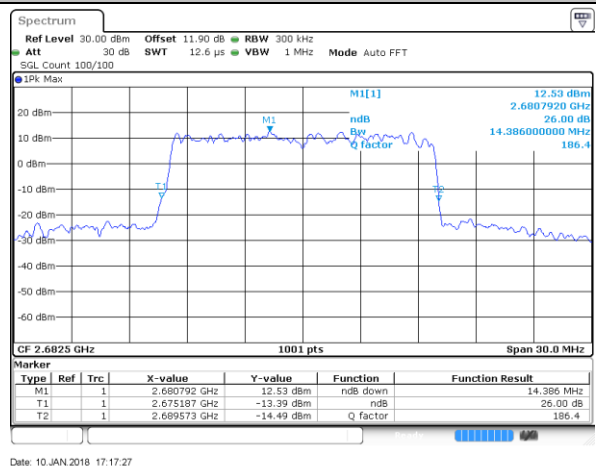
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



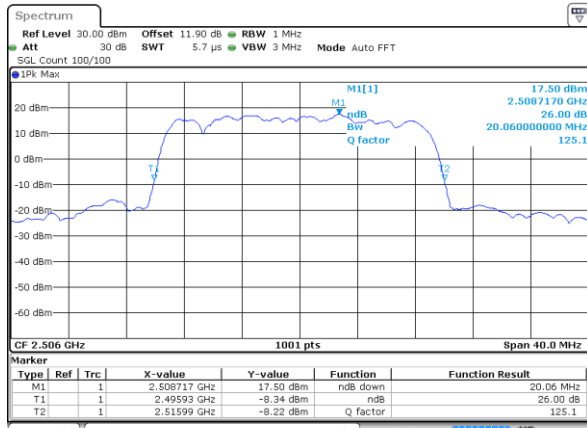
Highest Channel / 15MHz / 16QAM





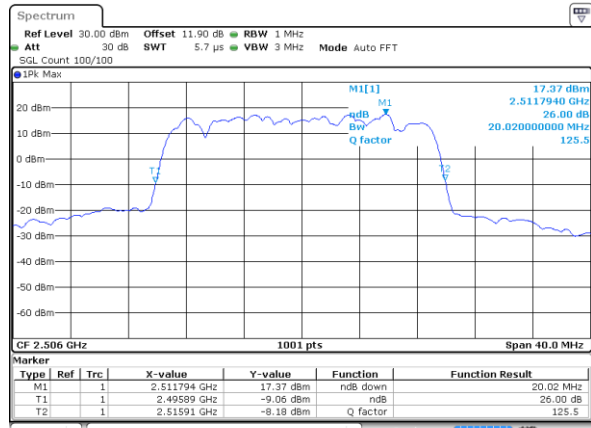
LTE Band 41

Lowest Channel / 20MHz / QPSK



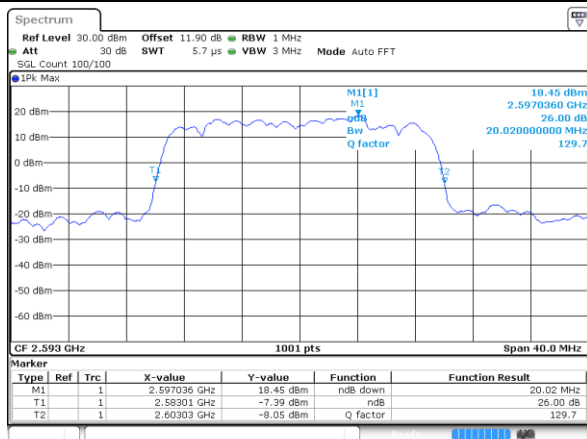
Date: 10 JAN 2018 17:17:57

Lowest Channel / 20MHz / 16QAM



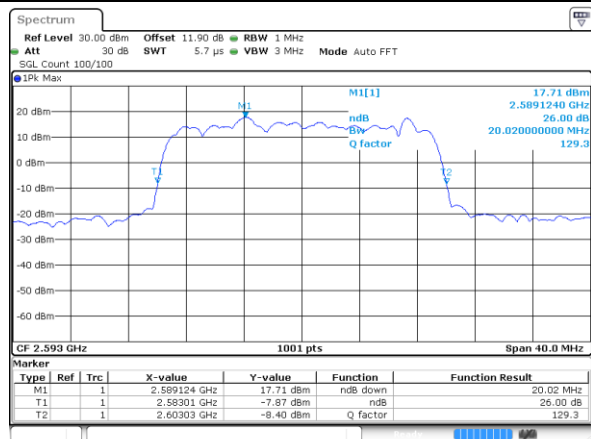
Date: 10 JAN 2018 17:18:07

Middle Channel / 20MHz / QPSK



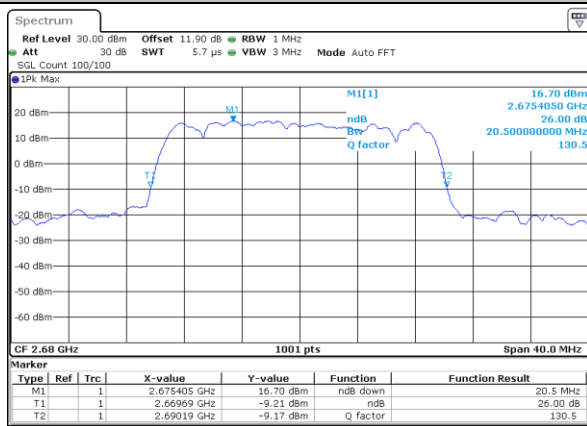
Date: 10 JAN 2018 17:18:37

Middle Channel / 20MHz / 16QAM



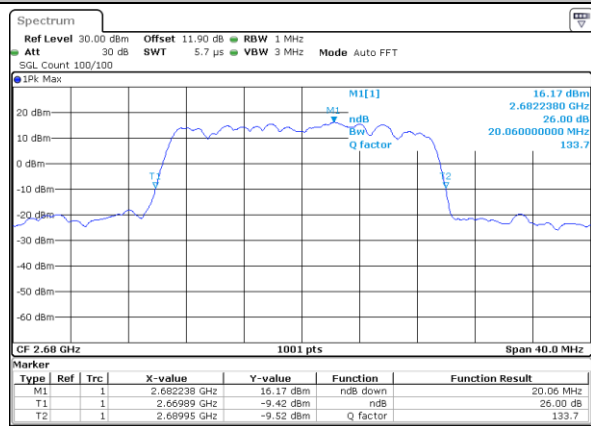
Date: 10 JAN 2018 17:18:47

Highest Channel / 20MHz / QPSK



Date: 10 JAN 2018 17:19:17

Highest Channel / 20MHz / 16QAM



Date: 10 JAN 2018 17:19:27



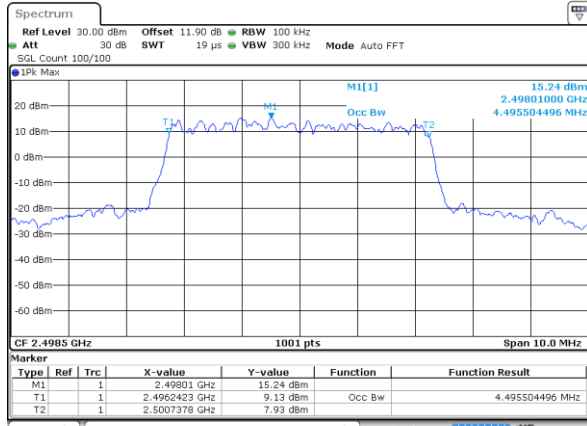
Occupied Bandwidth

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	-	-	-	-	4.5	4.45	8.93	8.97	13.49	13.4	18.3	18.14
Middle CH	-	-	-	-	4.48	4.49	9.01	8.97	13.49	13.43	18.34	18.34
Highest CH	-	-	-	-	4.48	4.47	9.03	8.95	13.31	13.43	18.18	18.34



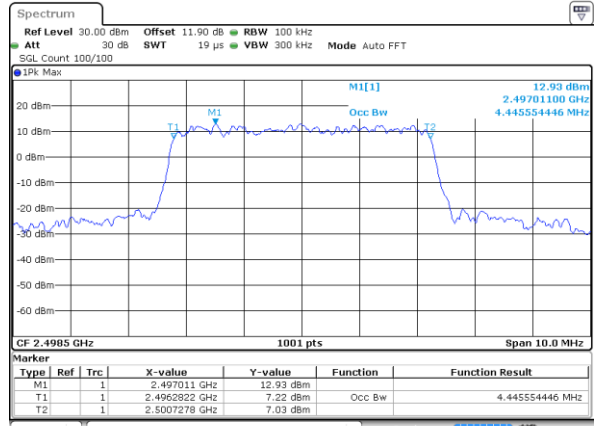
LTE Band 41

Lowest Channel / 5MHz / QPSK



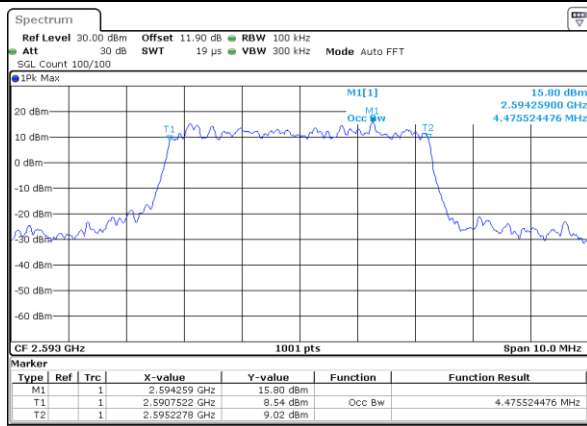
Date: 10 JAN 2018 17:11:36

Lowest Channel / 5MHz / 16QAM



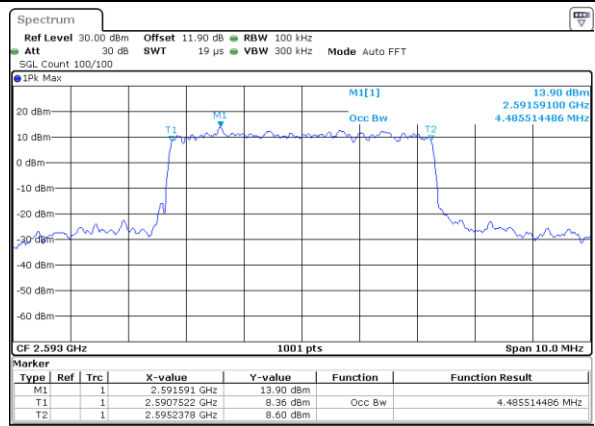
Date: 10 JAN 2018 17:11:46

Middle Channel / 5MHz / QPSK



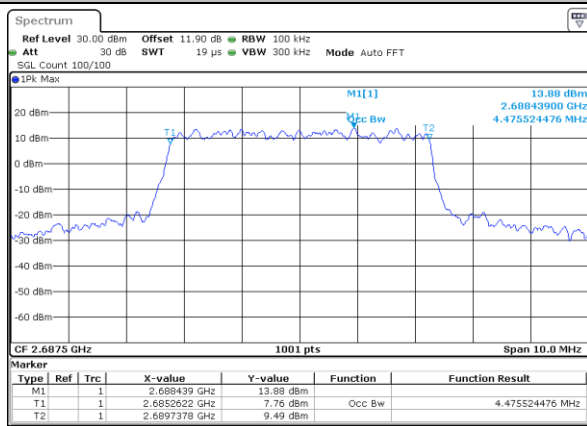
Date: 10 JAN 2018 17:12:16

Middle Channel / 5MHz / 16QAM



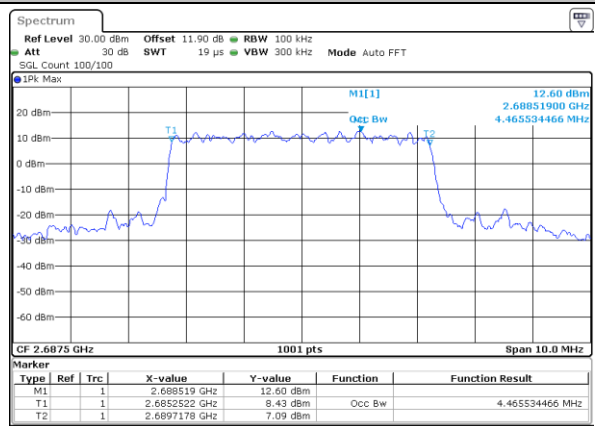
Date: 10 JAN 2018 17:12:27

Highest Channel / 5MHz / QPSK



Date: 10 JAN 2018 17:12:57

Highest Channel / 5MHz / 16QAM

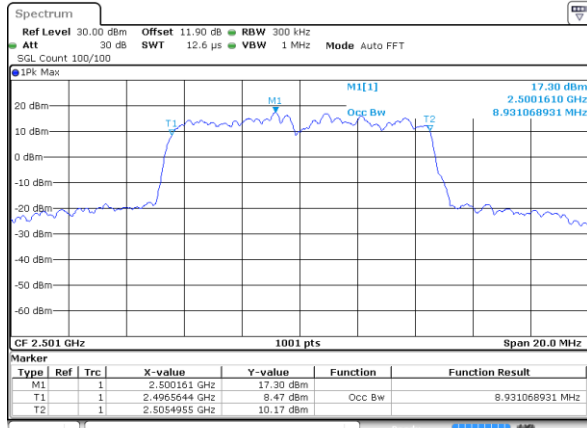


Date: 10 JAN 2018 17:13:07



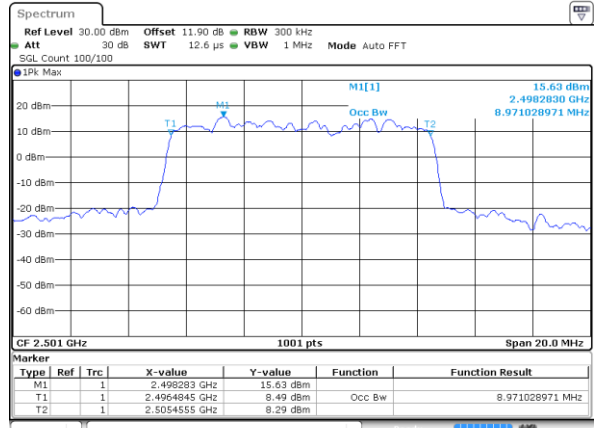
LTE Band 41

Lowest Channel / 10MHz / QPSK



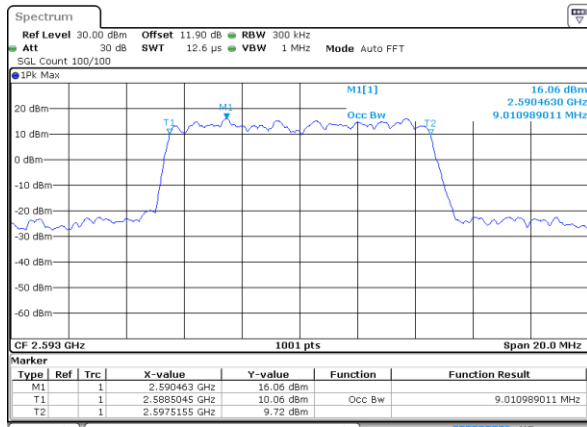
Date: 10 JAN 2018 17:13:37

Lowest Channel / 10MHz / 16QAM



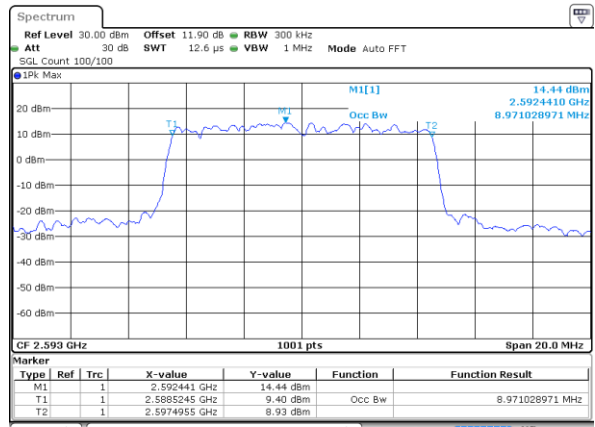
Date: 10 JAN 2018 17:13:47

Middle Channel / 10MHz / QPSK



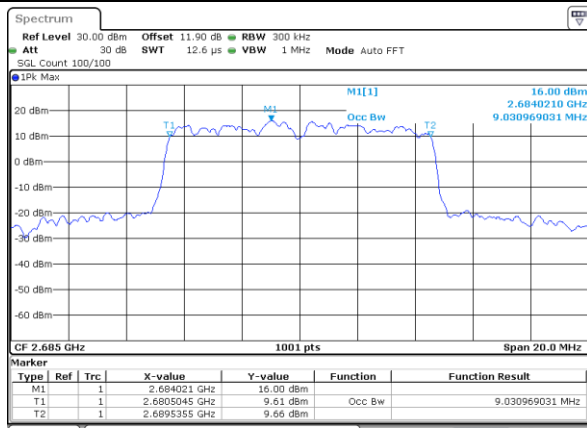
Date: 10 JAN 2018 17:14:17

Middle Channel / 10MHz / 16QAM



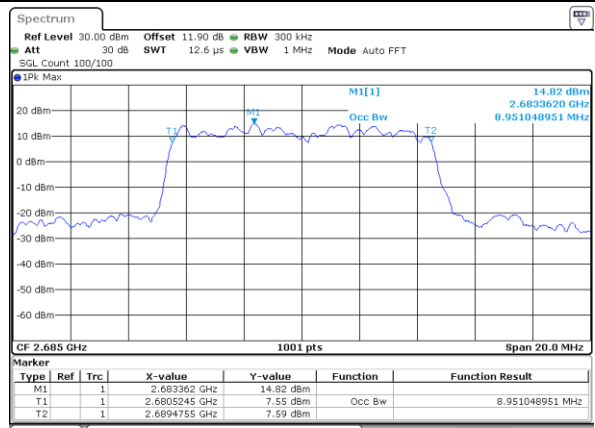
Date: 10 JAN 2018 17:14:27

Highest Channel / 10MHz / QPSK



Date: 10 JAN 2018 17:14:57

Highest Channel / 10MHz / 16QAM

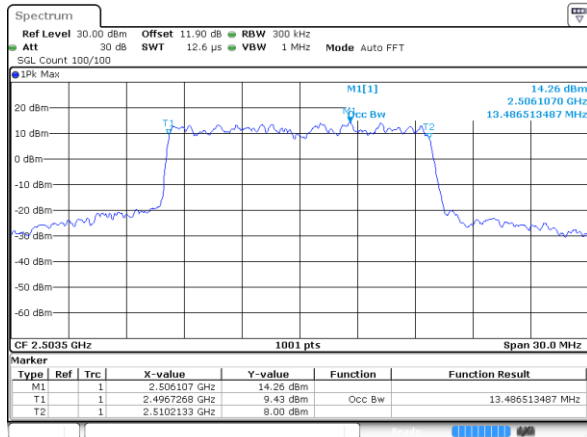


Date: 10 JAN 2018 17:15:07



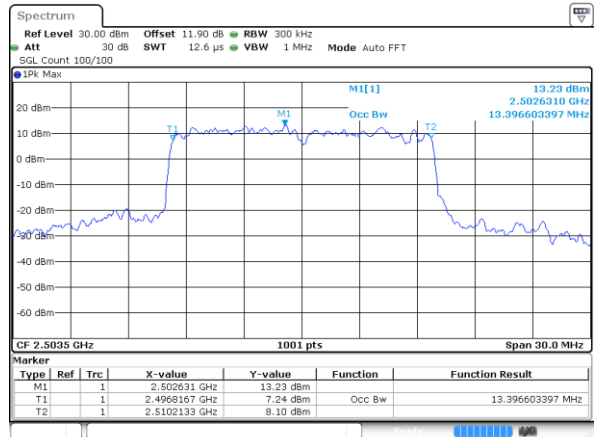
LTE Band 41

Lowest Channel / 15MHz / QPSK



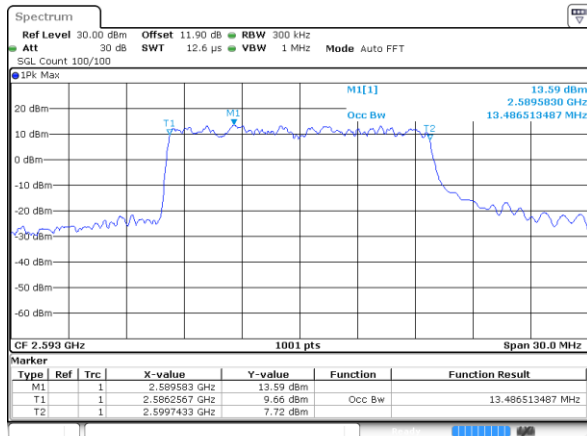
Date: 10 JAN 2018 17:15:37

Lowest Channel / 15MHz / 16QAM



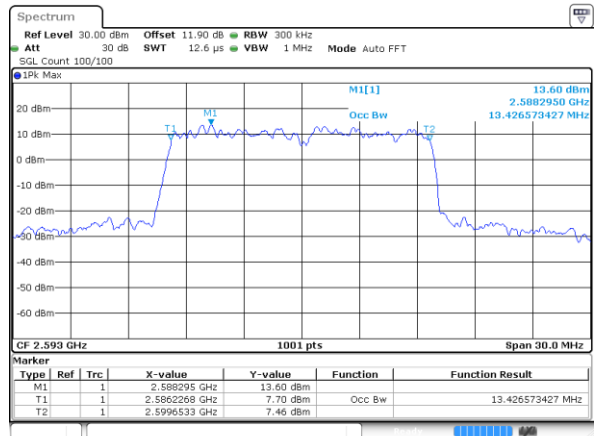
Date: 10 JAN 2018 17:15:47

Middle Channel / 15MHz / QPSK



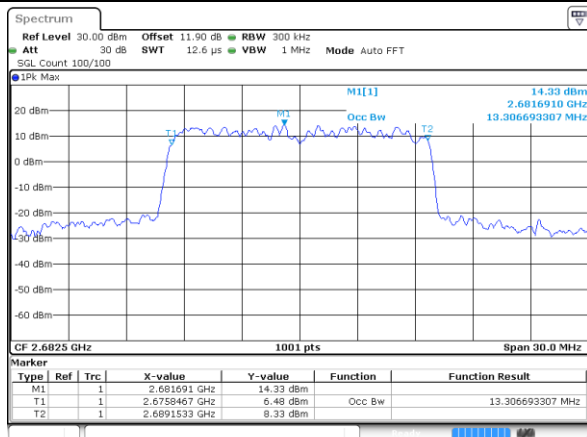
Date: 10 JAN 2018 17:16:17

Middle Channel / 15MHz / 16QAM



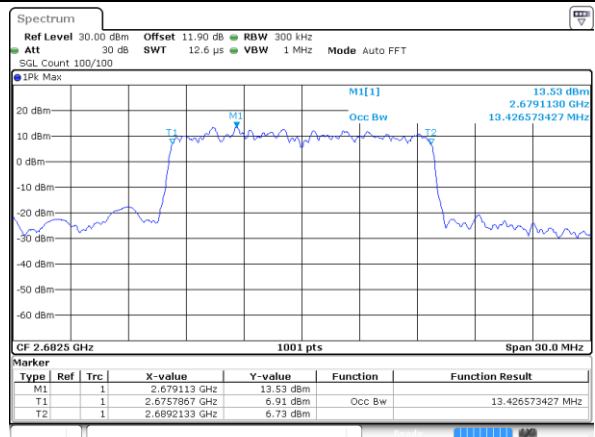
Date: 10 JAN 2018 17:16:27

Highest Channel / 15MHz / QPSK



Date: 10 JAN 2018 17:16:57

Highest Channel / 15MHz / 16QAM

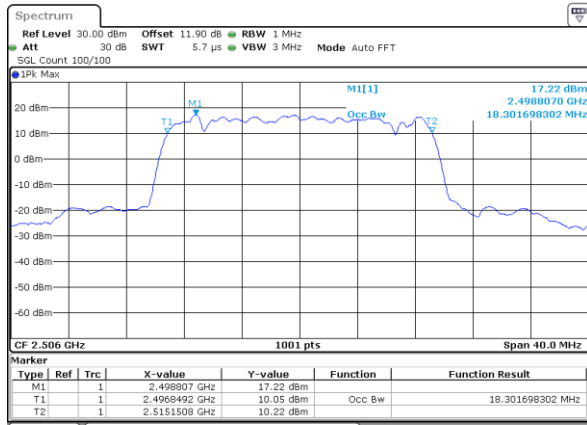


Date: 10 JAN 2018 17:17:07



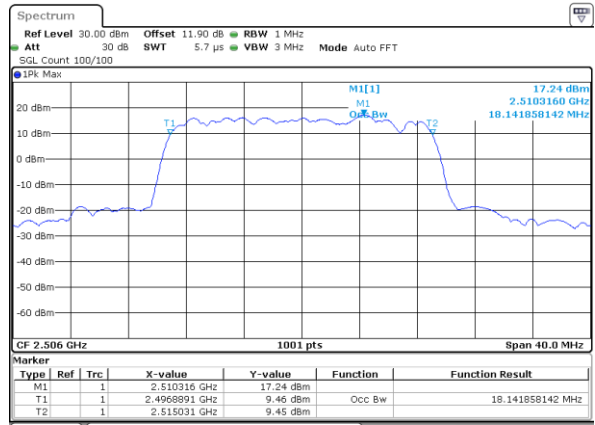
LTE Band 41

Lowest Channel / 20MHz / QPSK



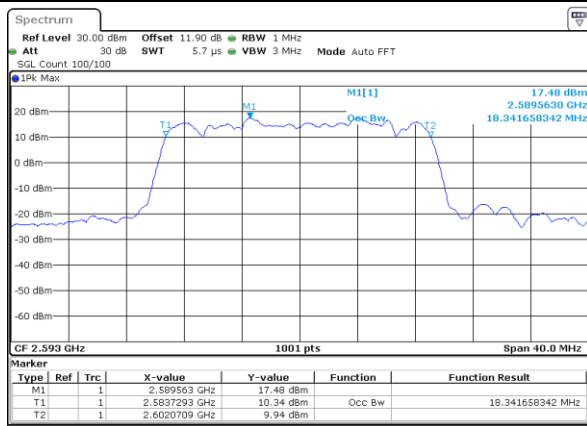
Date: 10 JAN 2018 17:17:37

Lowest Channel / 20MHz / 16QAM



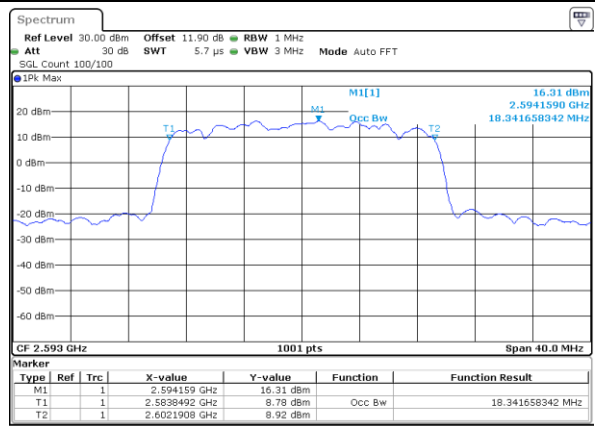
Date: 10 JAN 2018 17:17:47

Middle Channel / 20MHz / QPSK



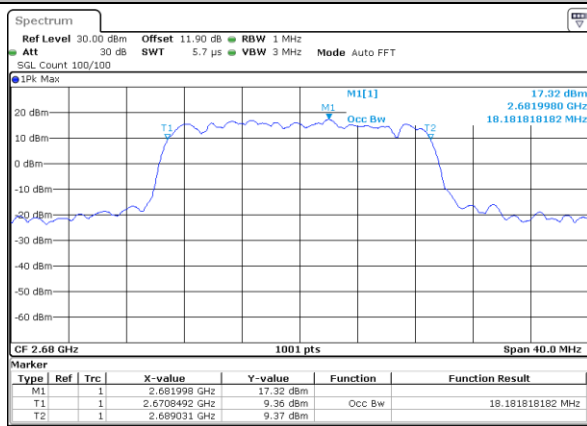
Date: 10 JAN 2018 17:18:17

Middle Channel / 20MHz / 16QAM



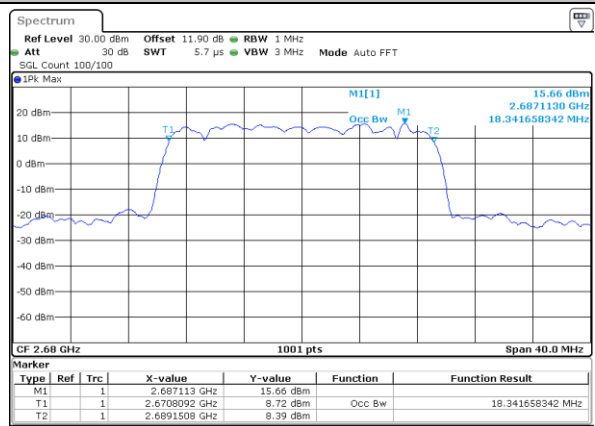
Date: 10 JAN 2018 17:18:27

Highest Channel / 20MHz / QPSK



Date: 10 JAN 2018 17:18:57

Highest Channel / 20MHz / 16QAM



Date: 10 JAN 2018 17:19:07

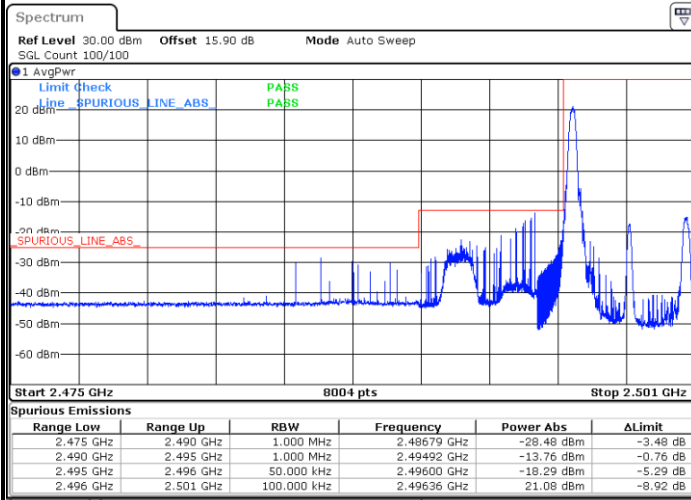


Conducted Band Edge



LTE Band 41 / 5MHz / QPSK

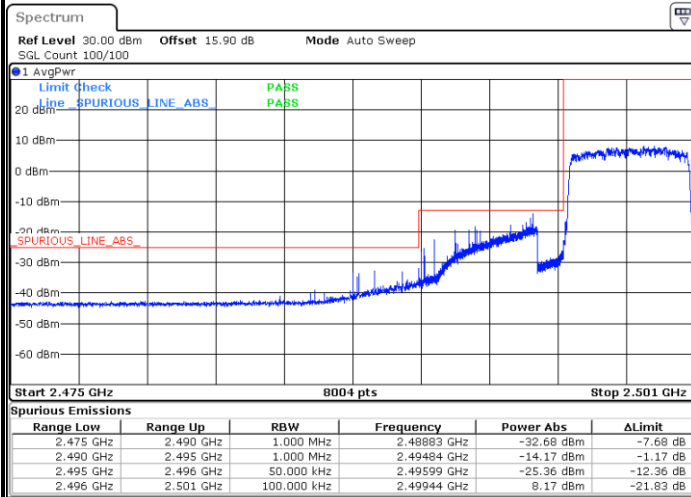
Lowest Band Edge / 1 RB



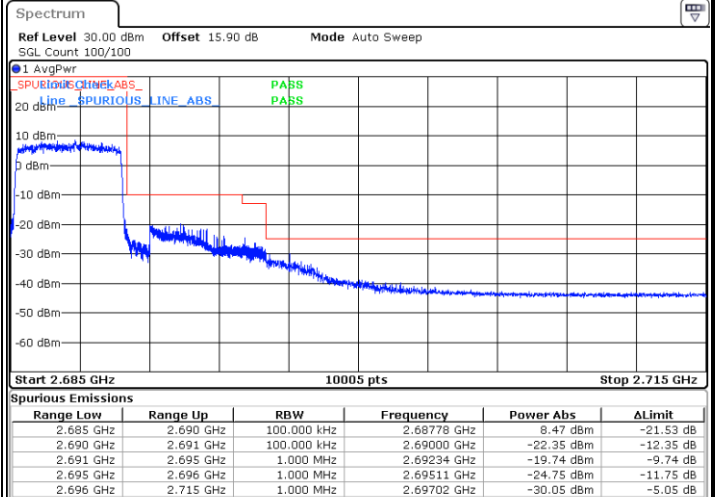
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



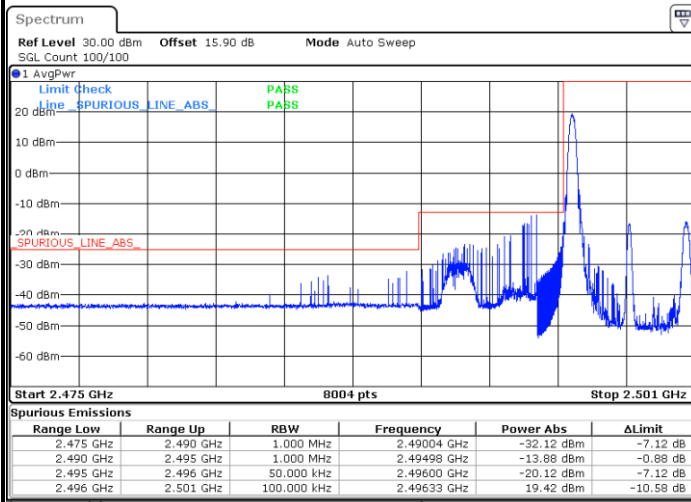
Highest Band Edge / Full RB





LTE Band 41 / 5MHz / 16QAM

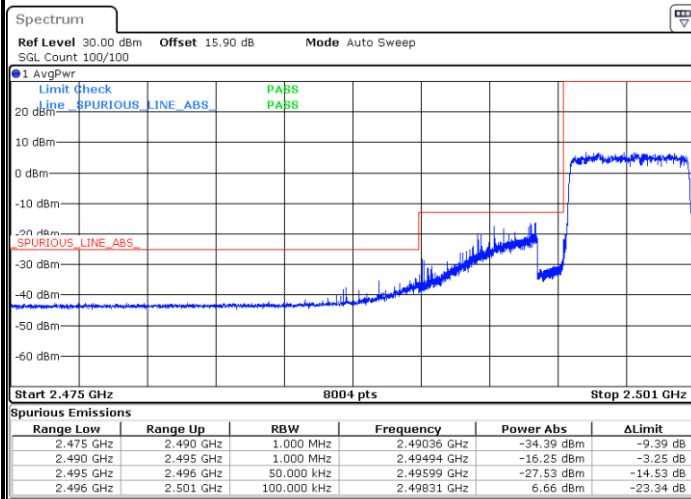
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

