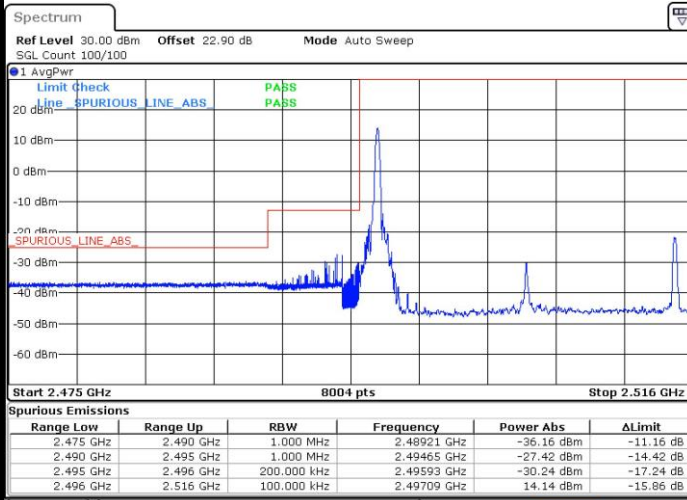




LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



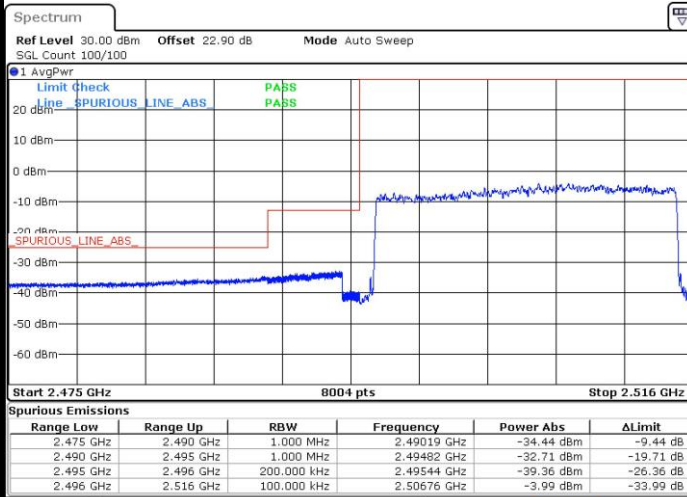
Date: 1 JUN 2018 14:18:36

Highest Band Edge / 1 RB



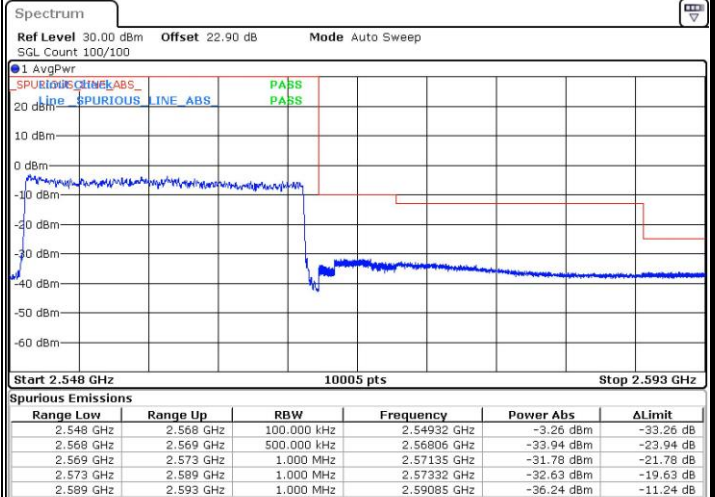
Date: 1 JUN 2018 14:20:47

Lowest Band Edge / Full RB



Date: 1 JUN 2018 14:18:55

Highest Band Edge / Full RB



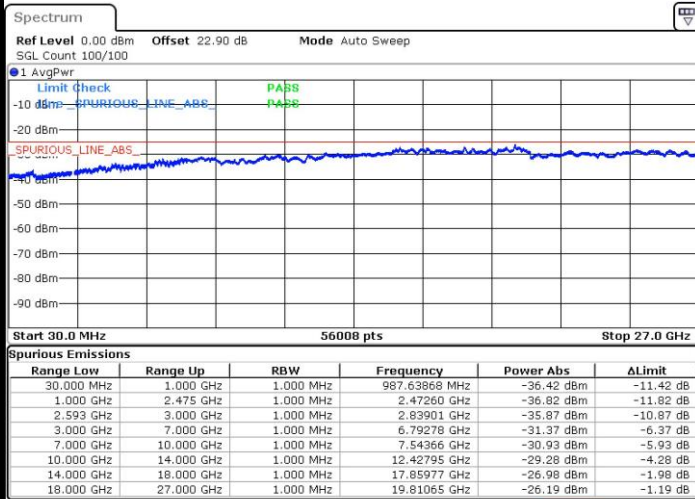
Date: 1 JUN 2018 14:20:31



Conducted Spurious Emission

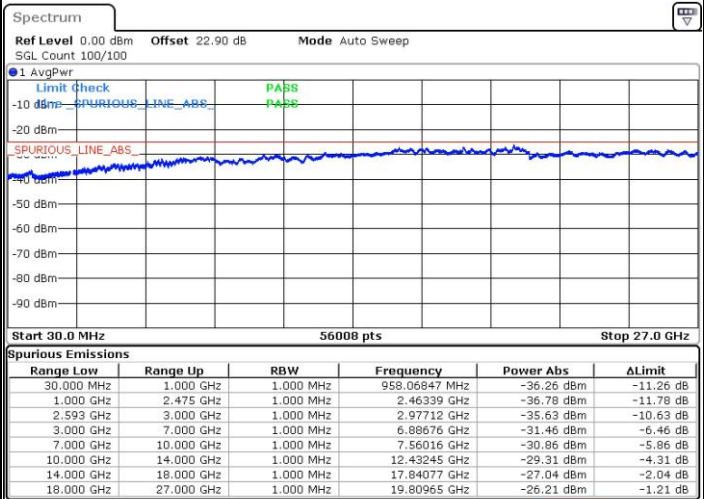
LTE Band 41 / 5MHz

Lowest Channel / QPSK



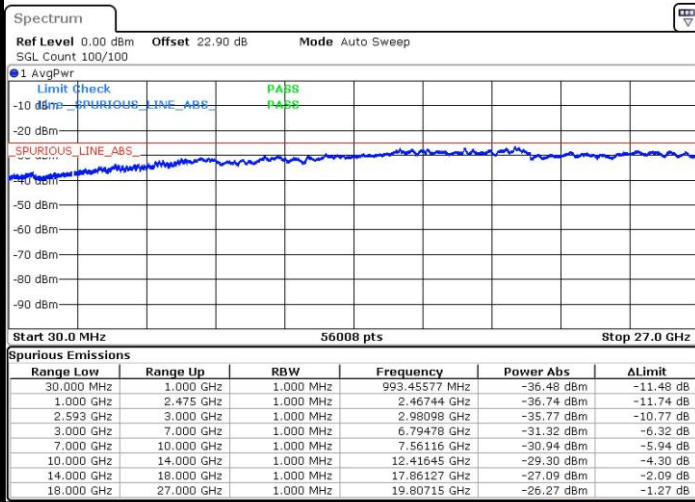
Date: 1 JUN 2018 15:02:34

Lowest Channel / 16QAM



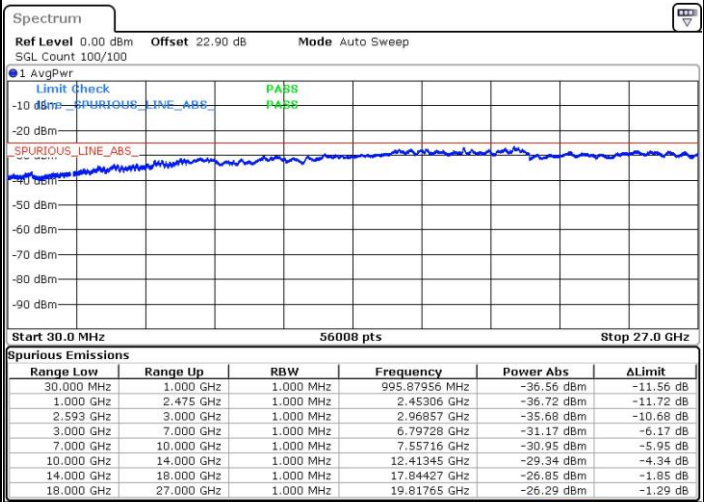
Date: 1 JUN 2018 15:03:28

Middle Channel / QPSK



Date: 1 JUN 2018 15:04:24

Middle Channel / 16QAM

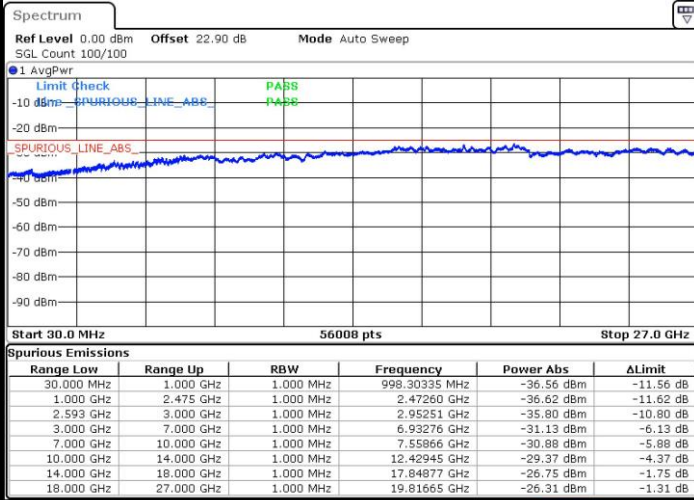


Date: 1 JUN 2018 15:05:19



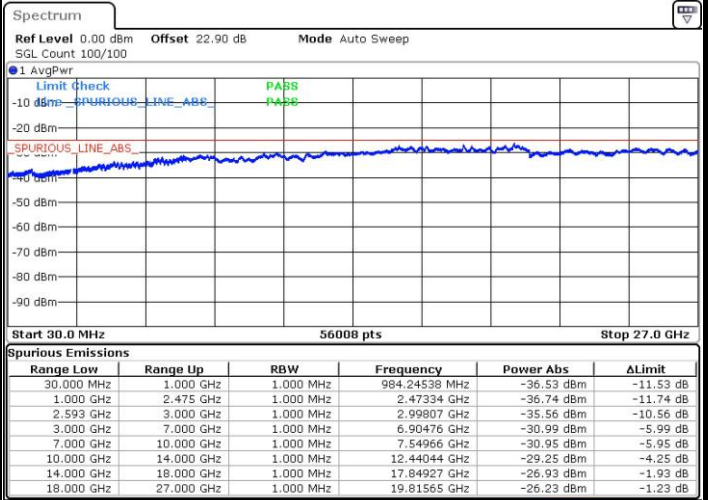
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 1 JUN 2018 15:06:44

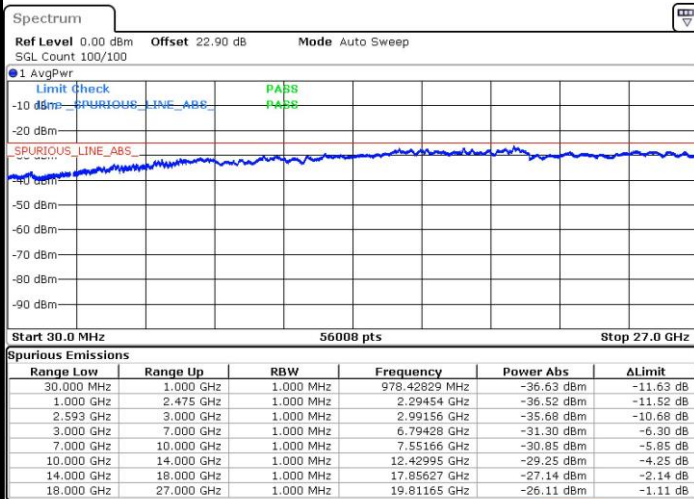
Highest Channel / 16QAM



Date: 1 JUN 2018 15:07:38

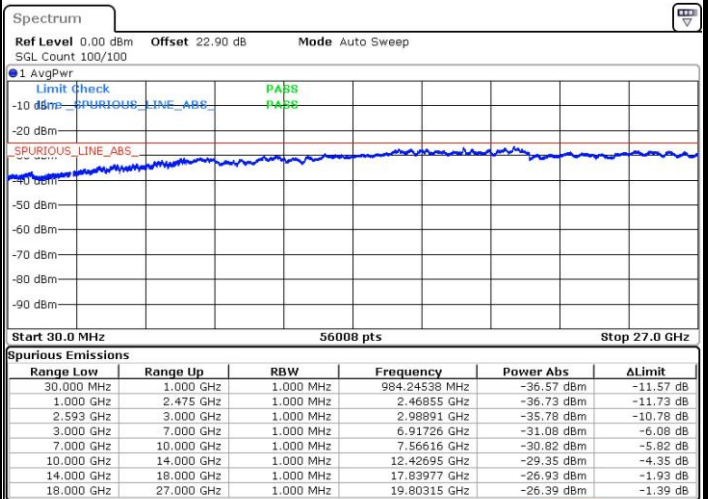
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 1 JUN 2018 15:08:30

Lowest Channel / 16QAM



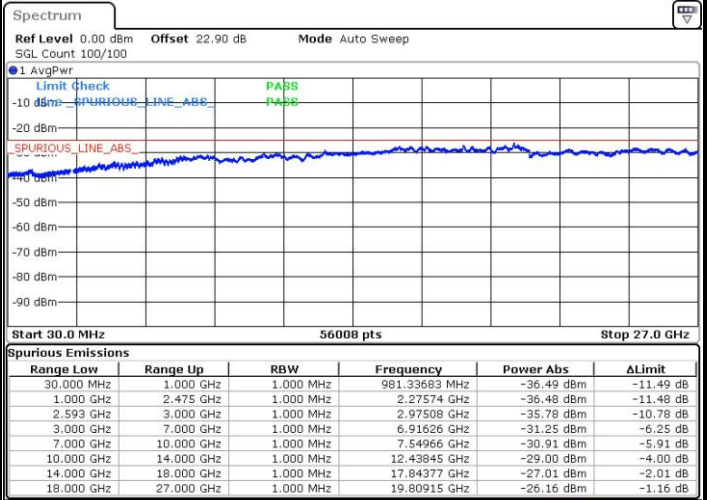
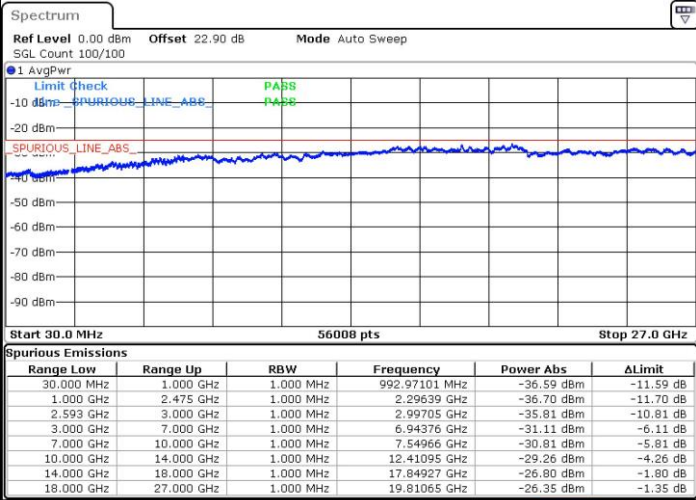
Date: 1 JUN 2018 15:09:40



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

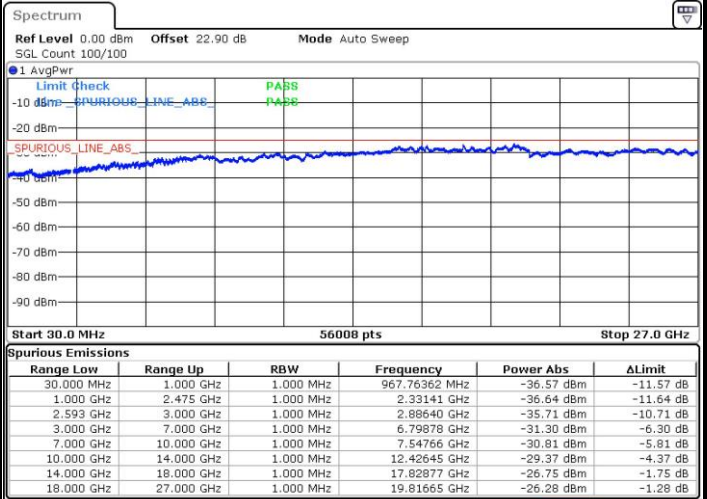
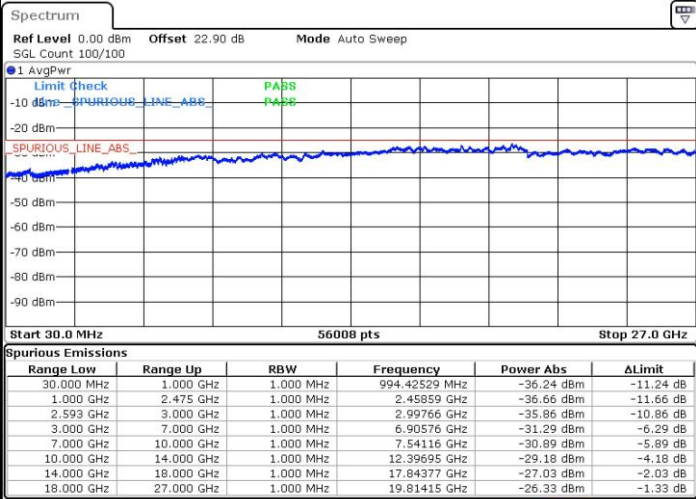


Date: 1 JUN 2018 15:10:34

Date: 1 JUN 2018 15:11:28

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1 JUN 2018 15:12:24

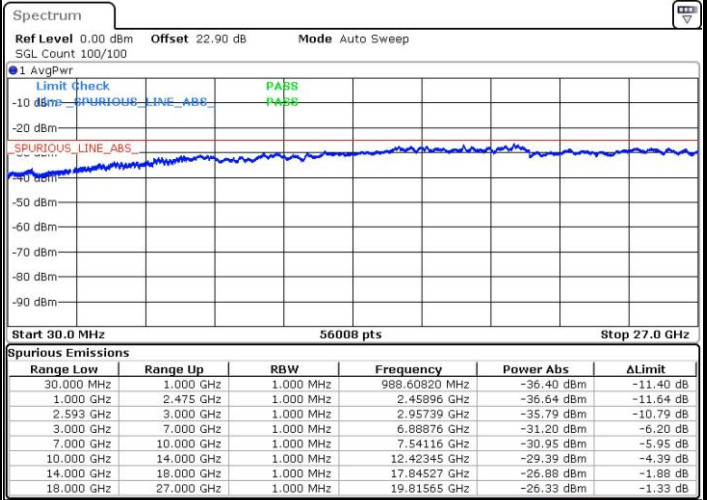
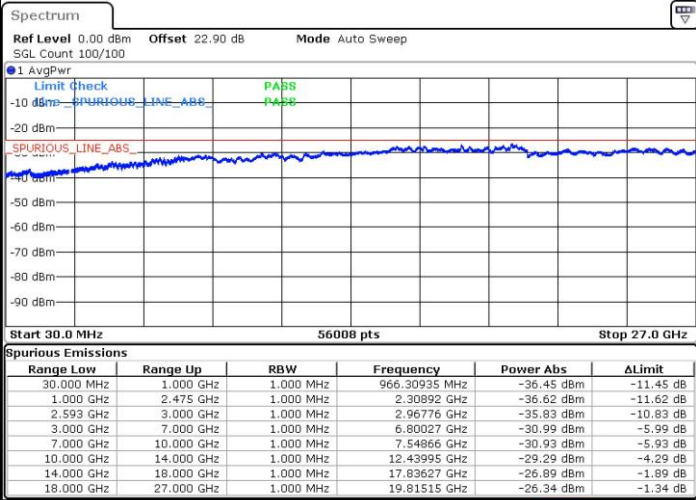
Date: 1 JUN 2018 15:13:17



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

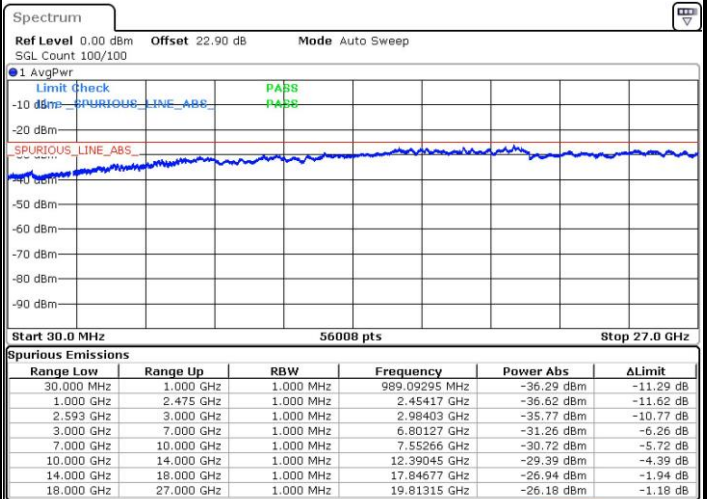
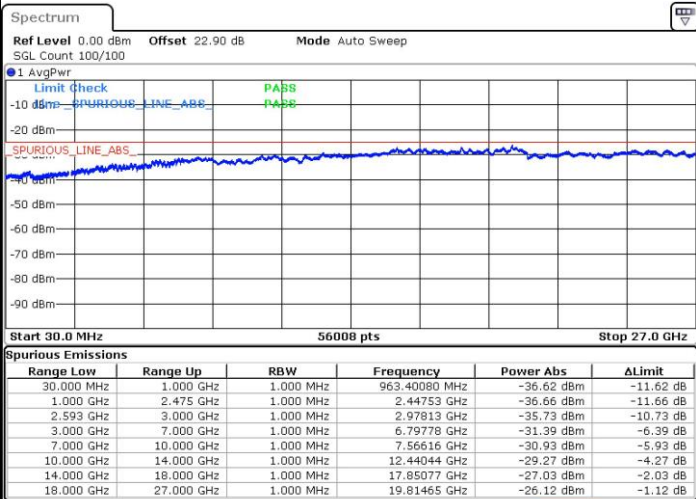


Date: 1 JUN 2018 15:14:14

Date: 1 JUN 2018 15:15:14

Middle Channel / QPSK

Middle Channel / 16QAM



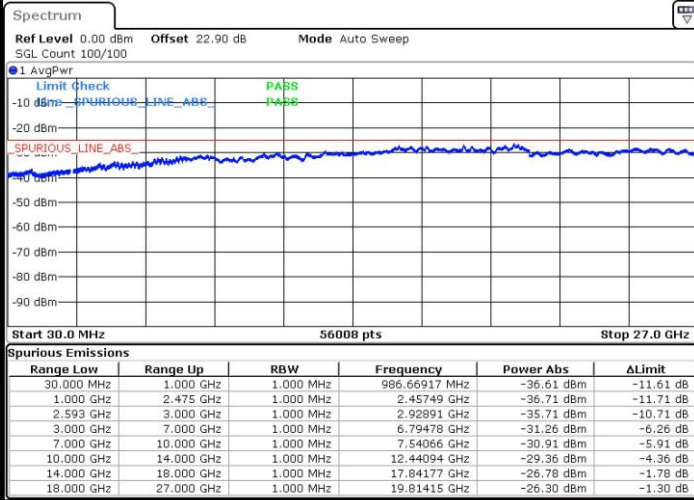
Date: 1 JUN 2018 15:16:10

Date: 1 JUN 2018 15:17:04



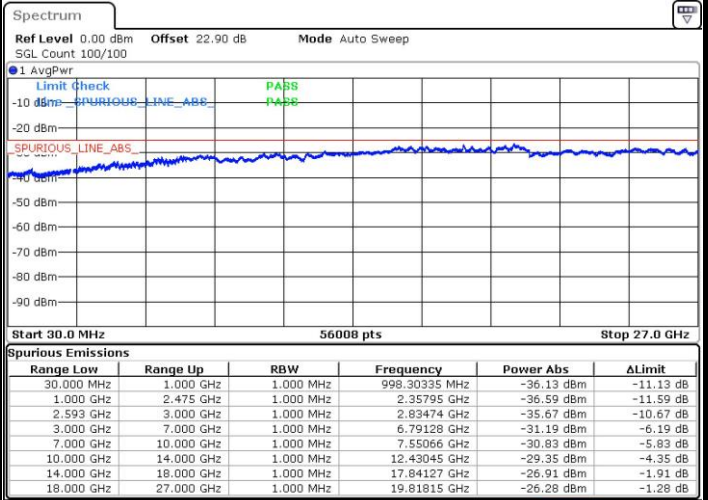
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 1 JUN 2018 15:17:56

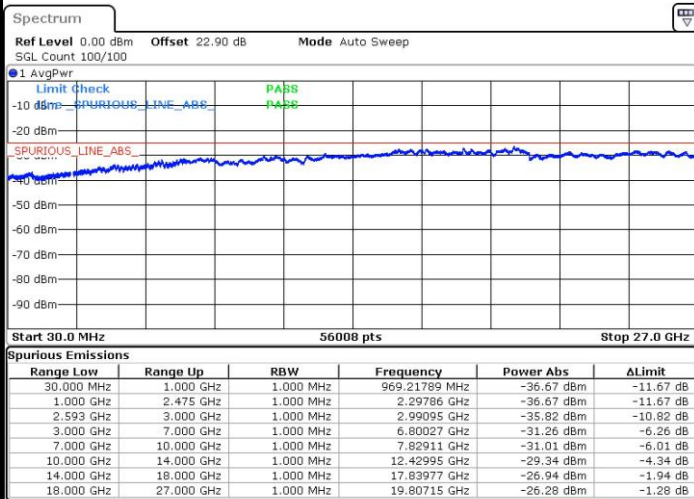
Highest Channel / 16QAM



Date: 1 JUN 2018 15:18:50

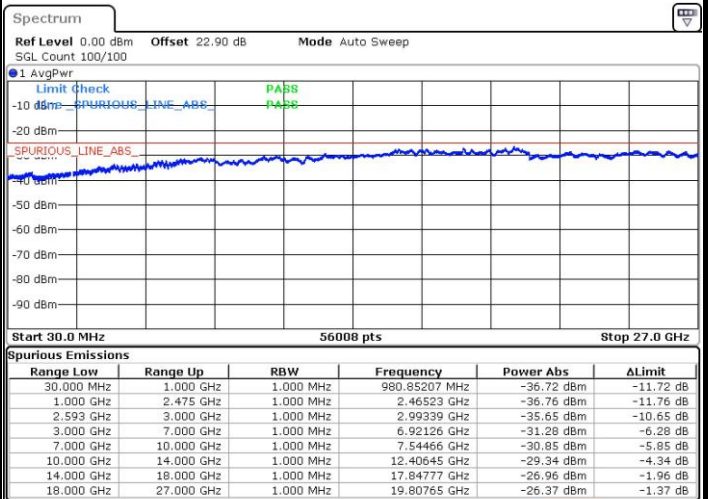
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 1 JUN 2018 15:19:44

Lowest Channel / 16QAM



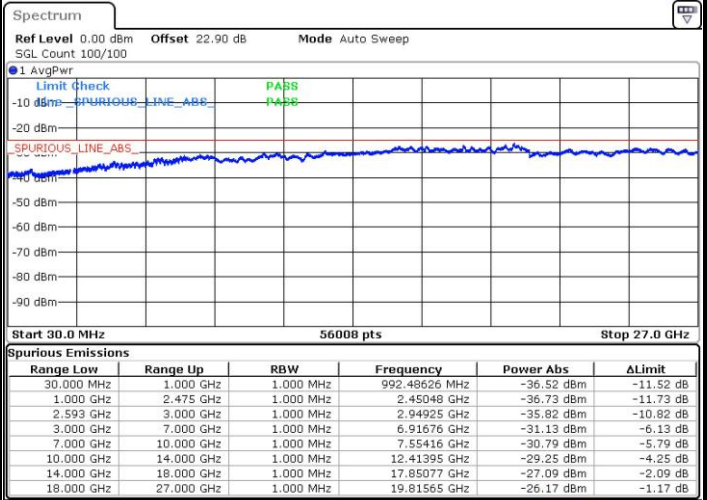
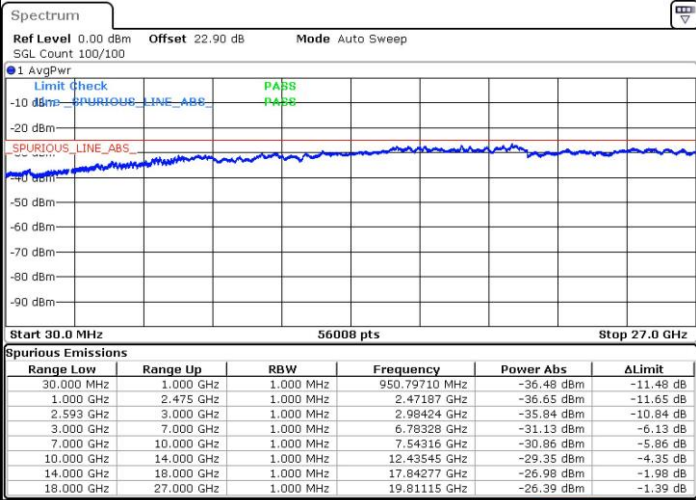
Date: 1 JUN 2018 15:20:38



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

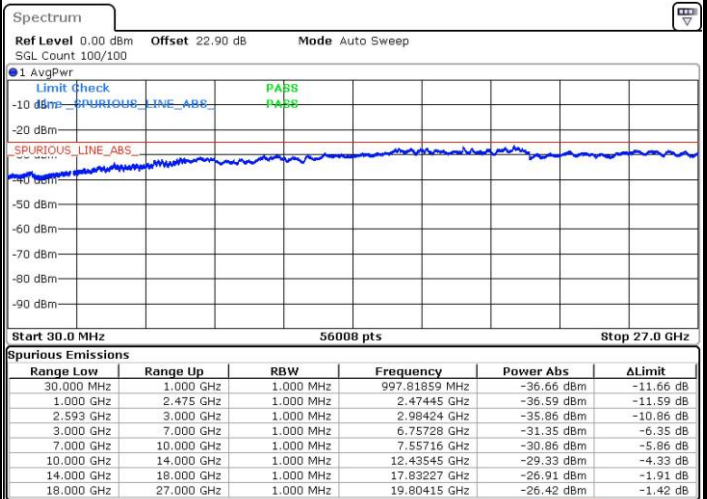
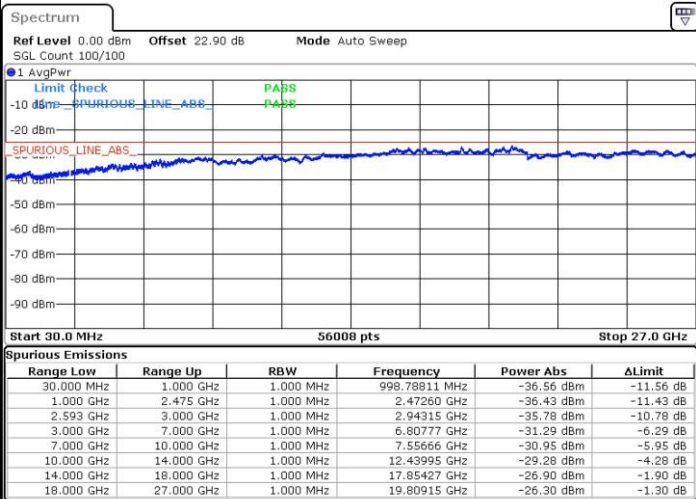


Date: 1 JUN 2018 15:21:40

Date: 1 JUN 2018 15:22:36

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1 JUN 2018 15:23:29

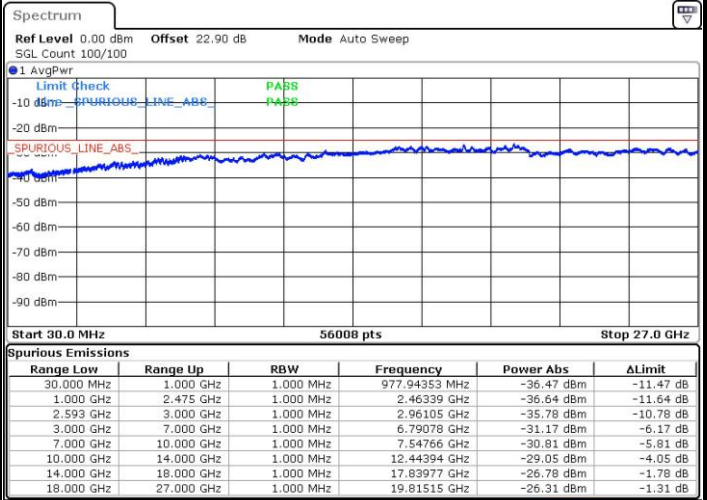
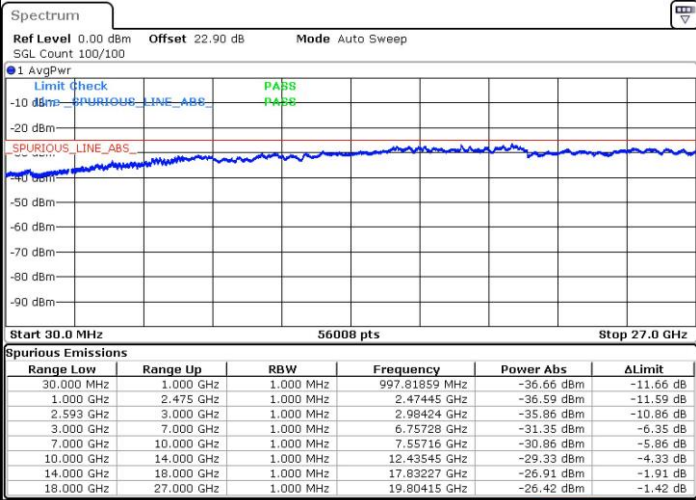
Date: 1 JUN 2018 15:24:22



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

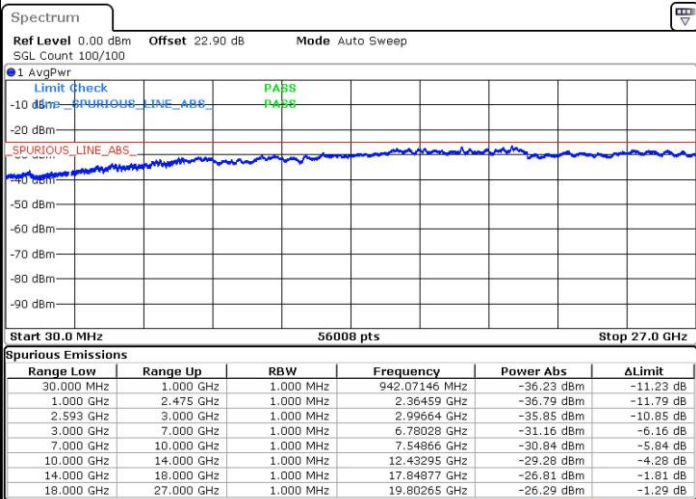
Middle Channel / 64QAM



Date: 1 JUN 2018 15:24:22

Date: 1 JUN 2018 14:50:41

Highest Channel / 64QAM



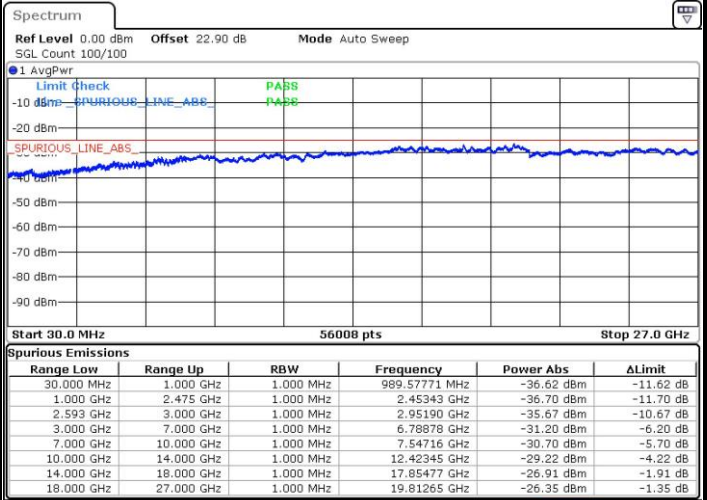
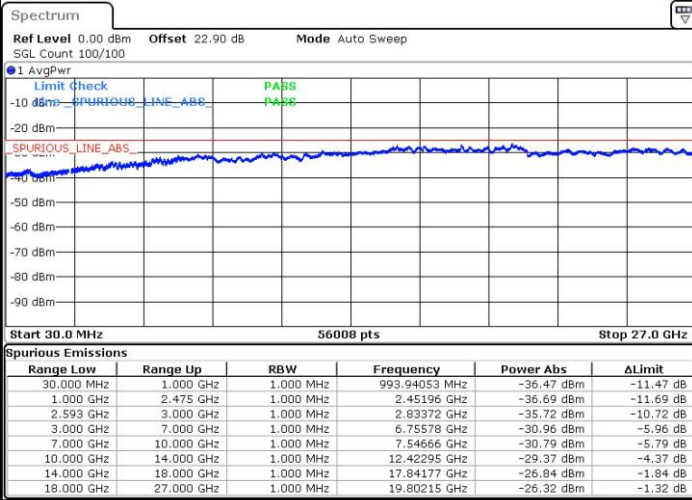
Date: 1 JUN 2018 14:51:36



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

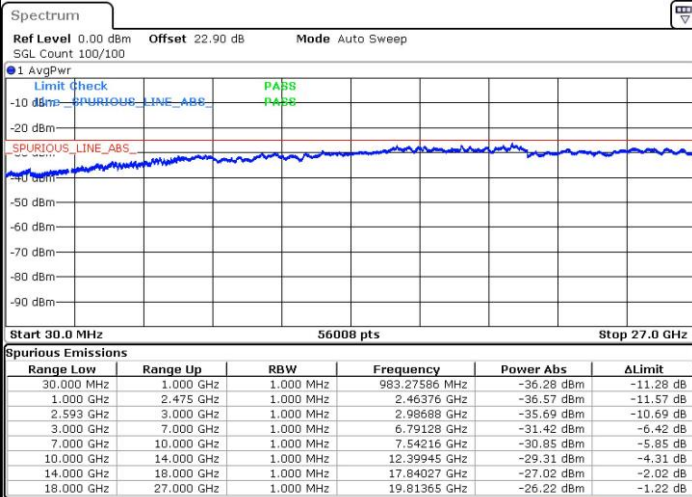
Middle Channel / 64QAM



Date: 1 JUN 2018 14:52:30

Date: 1 JUN 2018 14:53:23

Highest Channel / 64QAM



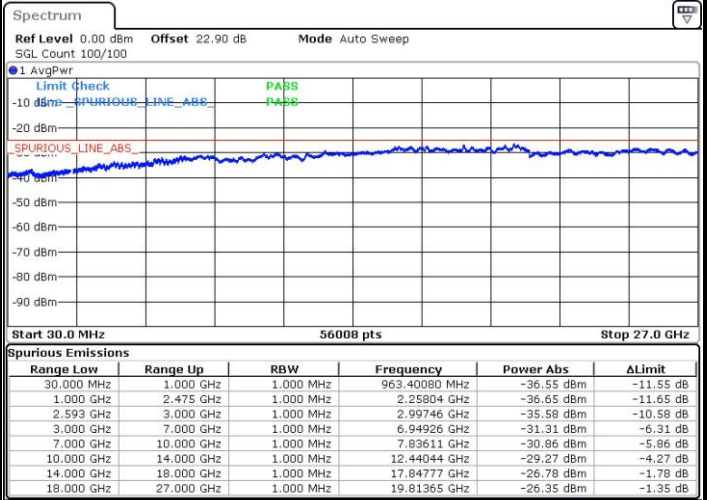
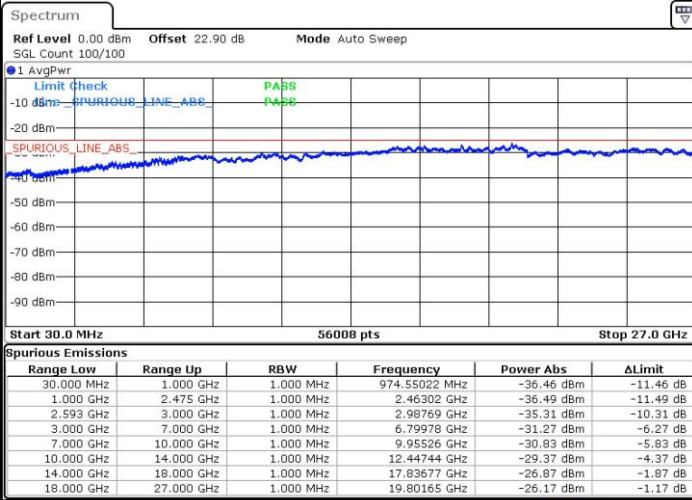
Date: 1 JUN 2018 14:54:24



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

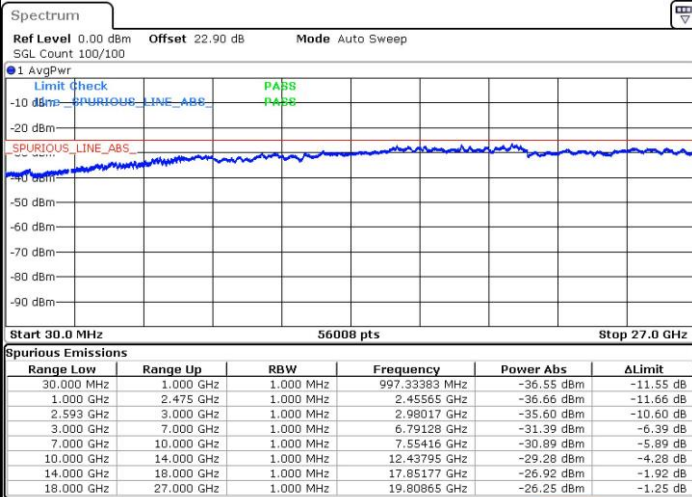
Middle Channel / 64QAM



Date: 1 JUN 2018 14:56:11

Date: 1 JUN 2018 14:57:17

Highest Channel / 64QAM



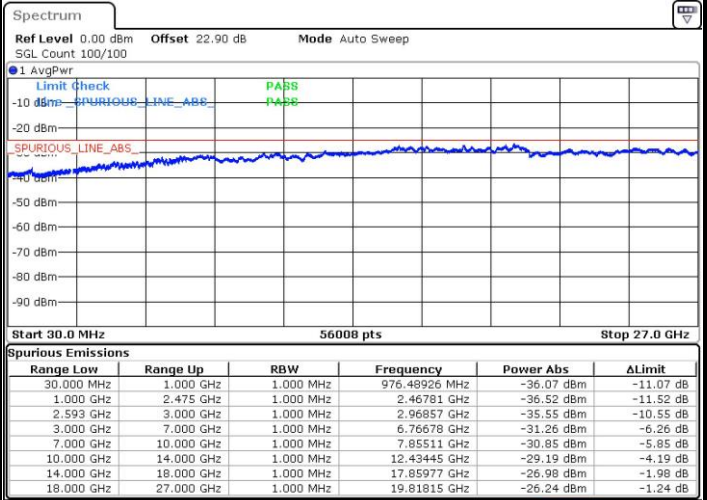
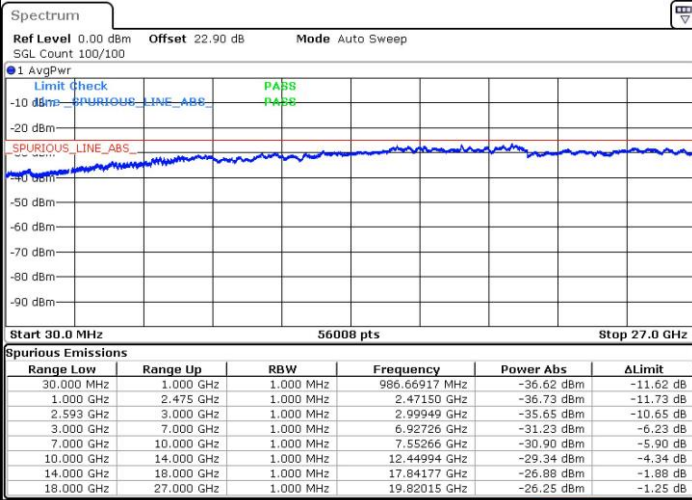
Date: 1 JUN 2018 14:58:47



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

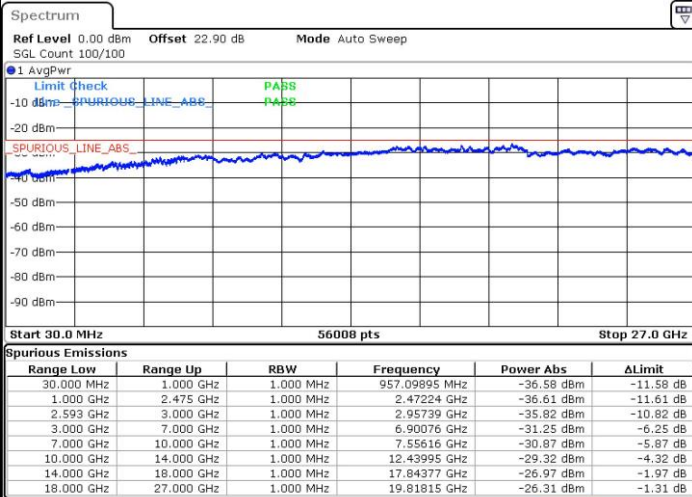
Middle Channel / 64QAM



Date: 1 JUN 2018 14:59:53

Date: 1 JUN 2018 15:00:45

Highest Channel / 64QAM



Date: 1 JUN 2018 15:01:40



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0067	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0064	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0076	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0104	
20	Maximum Voltage	0.0116	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0049	

Note:

1. Normal Voltage =120 V. ; Battery End Point (BEP) =100 V. ; Maximum Voltage =240 V.
2. 674Note: The frequency fundamental emissions stay within the authorized frequency block.



<For 4x4 Tx Low Band Chain 3>

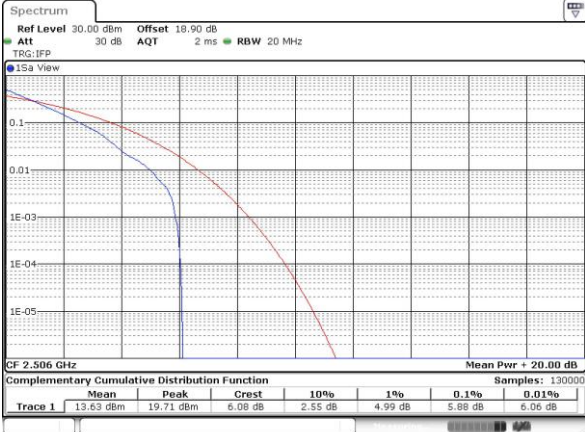
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.88	5.13	7.07	6.09	PASS
Middle CH	6.32	5.13	7.33	6.09	
Highest CH	5.83	5.42	7.07	6.43	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.23	5.97	-	-	PASS
Middle CH	6.20	6.03	-	-	
Highest CH	6.64	6.35	-	-	



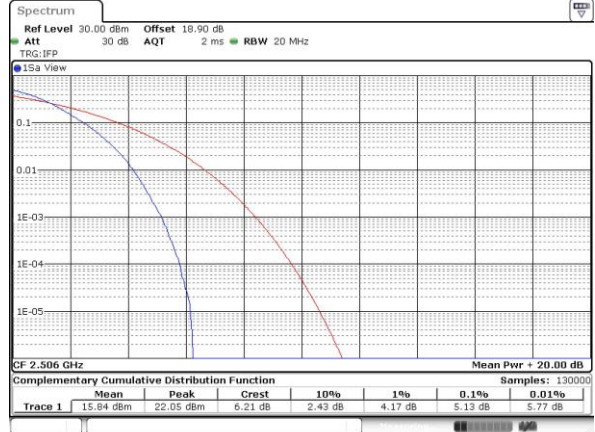
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



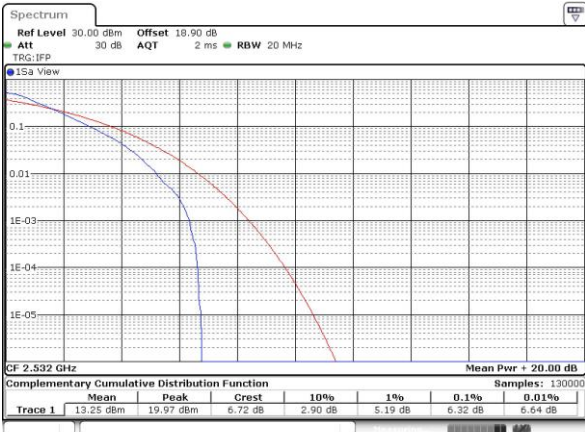
Date: 1 JUN 2018 16:16:18

Lowest Channel / Full RB



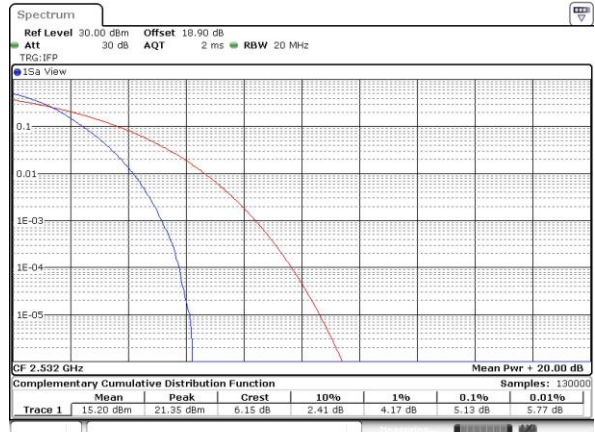
Date: 1 JUN 2018 16:15:49

Middle Channel / 1RB



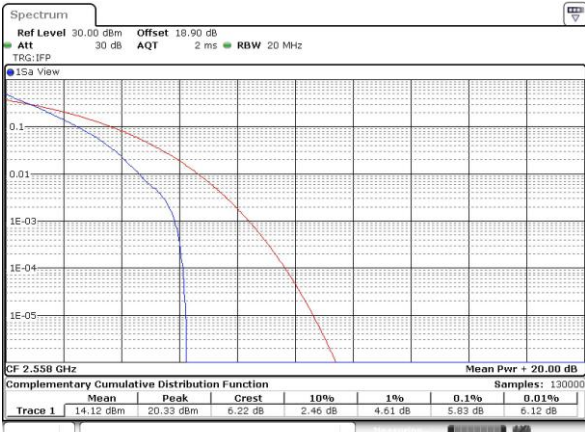
Date: 1 JUN 2018 16:21:37

Middle Channel / Full RB



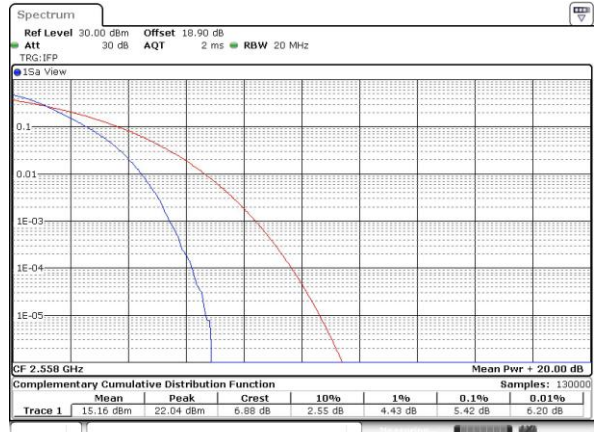
Date: 1 JUN 2018 16:20:28

Highest Channel / 1RB



Date: 1 JUN 2018 16:23:13

Highest Channel / Full RB



Date: 1 JUN 2018 16:23:27



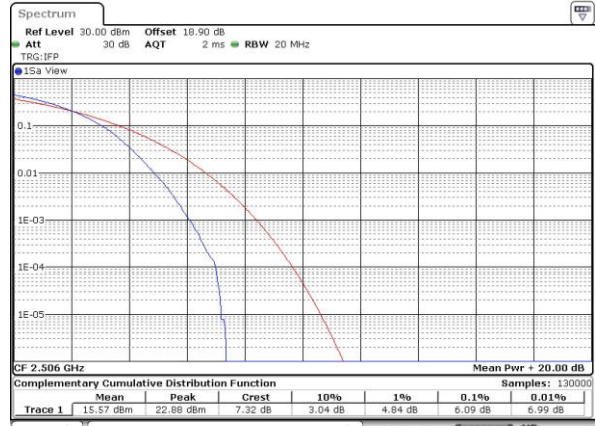
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



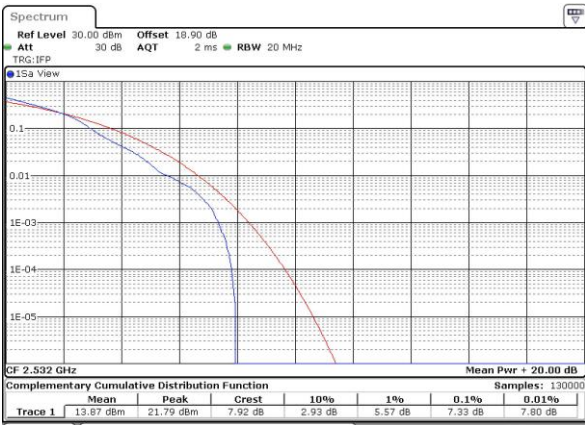
Date: 1 JUN 2018 16:17:11

Lowest Channel / Full RB



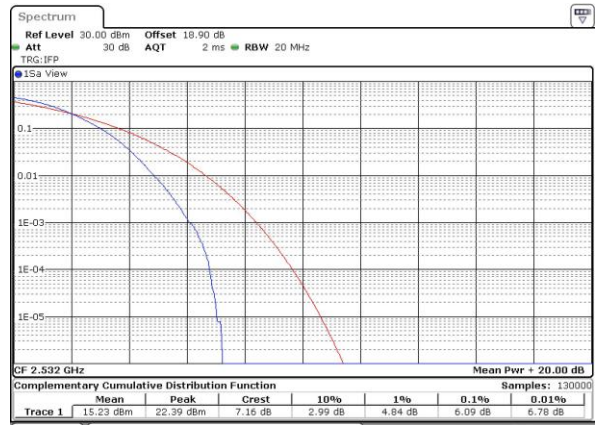
Date: 1 JUN 2018 16:17:51

Middle Channel / 1RB



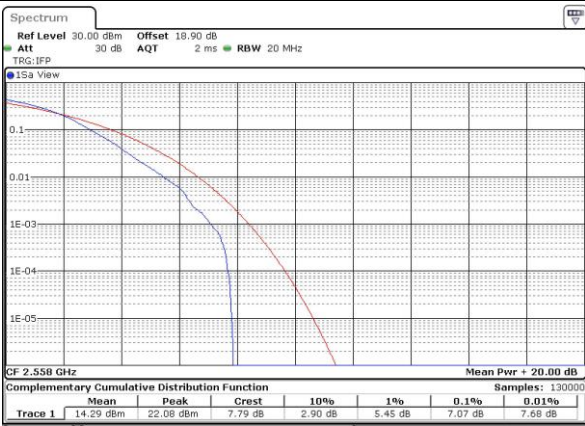
Date: 1 JUN 2018 16:21:50

Middle Channel / Full RB



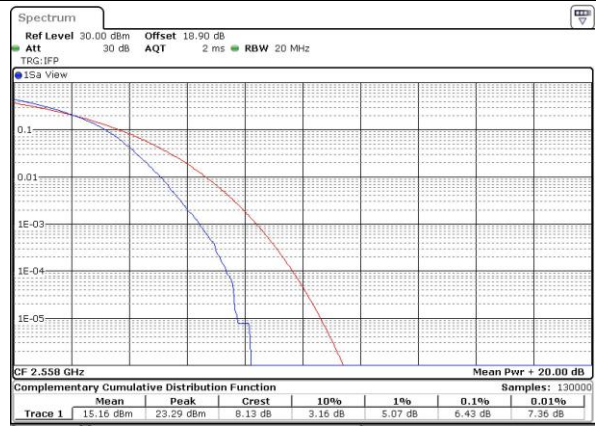
Date: 1 JUN 2018 16:19:40

Highest Channel / 1RB



Date: 1 JUN 2018 16:22:54

Highest Channel / Full RB

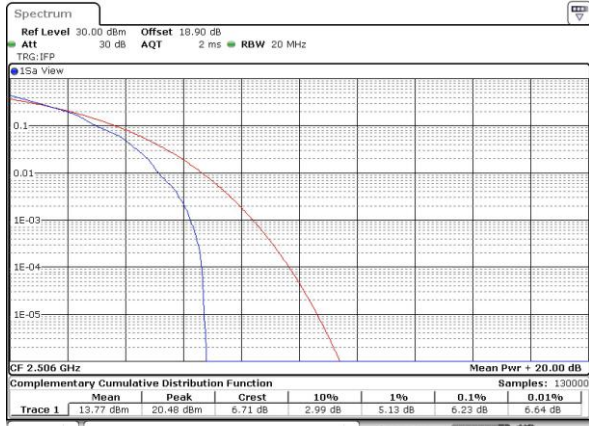


Date: 1 JUN 2018 16:24:04



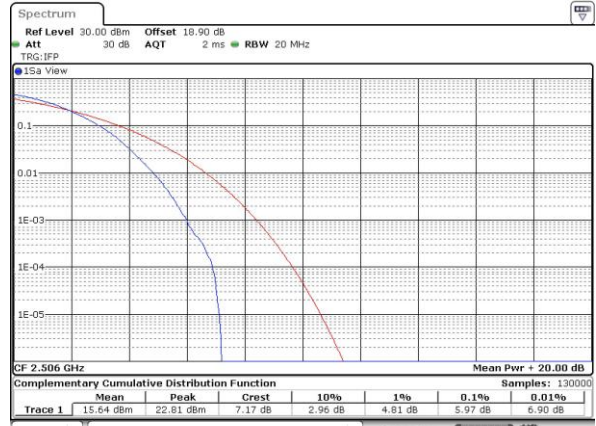
LTE Band 41 / 20MHz / 64QAM

Lowest Channel / 1RB



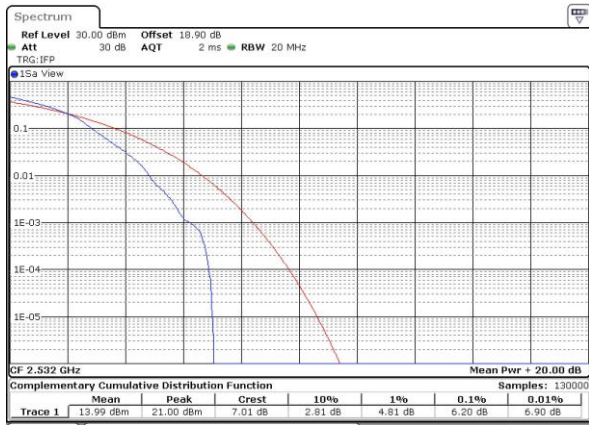
Date: 1 JUN 2018 16:17:25

Lowest Channel / Full RB



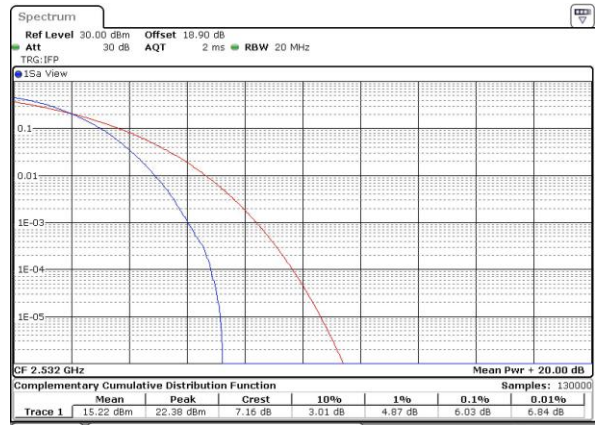
Date: 1 JUN 2018 16:18:30

Middle Channel / 1RB



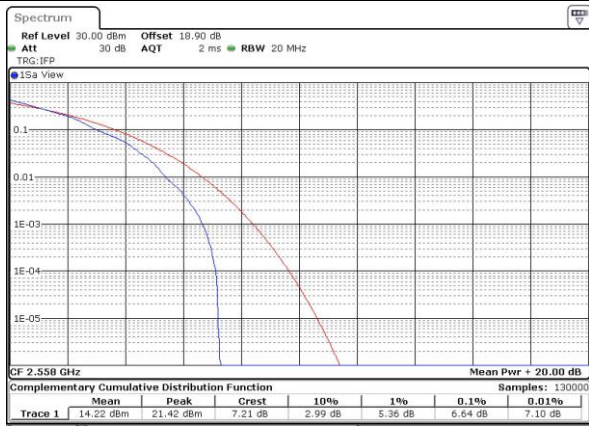
Date: 1 JUN 2018 16:22:09

Middle Channel / Full RB



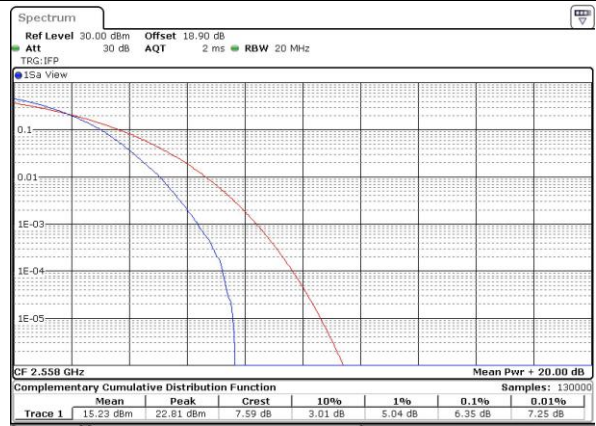
Date: 1 JUN 2018 16:19:12

Highest Channel / 1RB



Date: 1 JUN 2018 16:22:41

Highest Channel / Full RB



Date: 1 JUN 2018 16:24:34



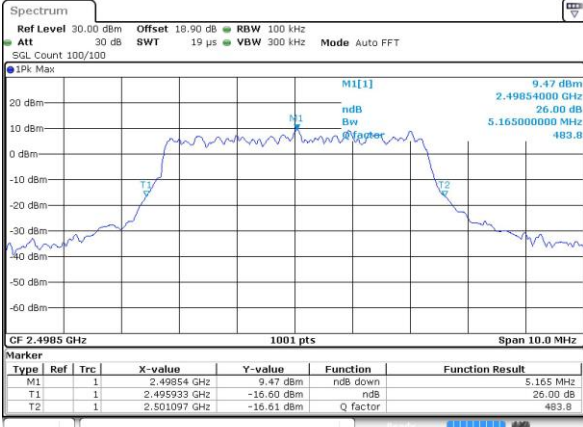
26dB Bandwidth

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	-	-	-	-	5.17	5.02	9.63	9.95	14.30	14.09	20.10	20.18
Middle CH	-	-	-	-	4.90	4.94	9.85	9.65	14.18	14.24	19.98	20.06
Highest CH	-	-	-	-	4.82	4.72	9.73	9.89	14.15	14.45	20.10	20.18
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.83	-	9.61	-	14.18	-	20.02	-
Middle CH	-	-	-	-	5.02	-	9.87	-	14.39	-	20.06	-
Highest CH	-	-	-	-	4.74	-	9.75	-	14.12	-	20.18	-



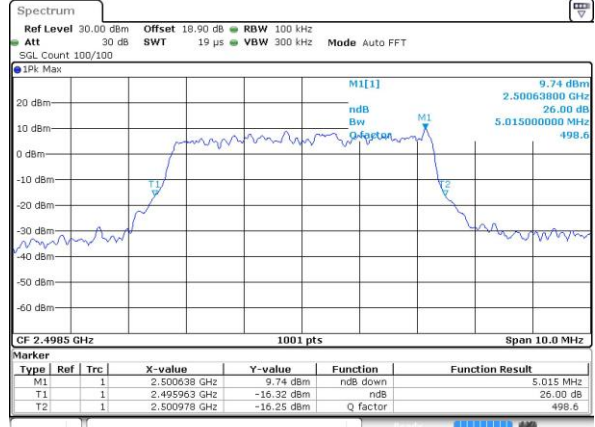
LTE Band 41

Lowest Channel / 5MHz / QPSK



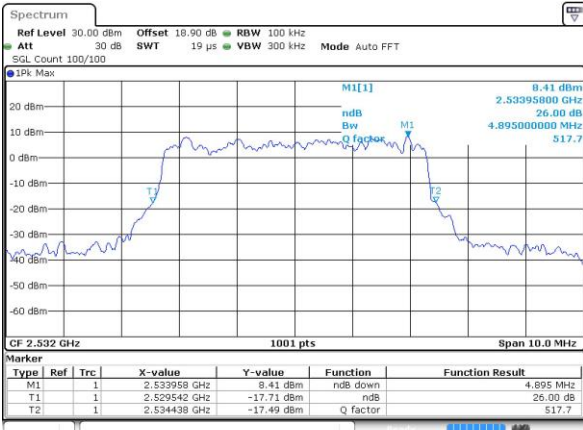
Date: 1 JUN 2018 16:00:16

Lowest Channel / 5MHz / 16QAM



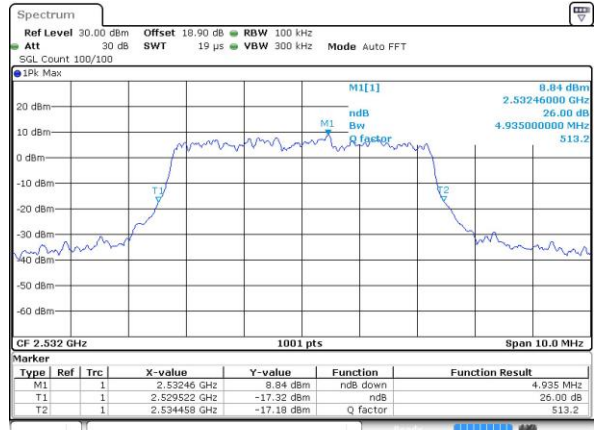
Date: 1 JUN 2018 16:00:26

Middle Channel / 5MHz / QPSK



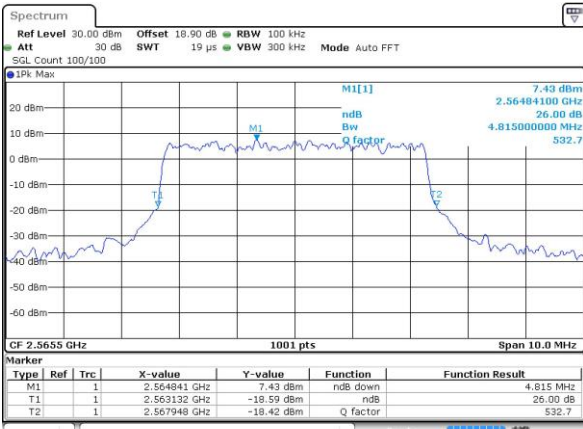
Date: 1 JUN 2018 16:00:58

Middle Channel / 5MHz / 16QAM



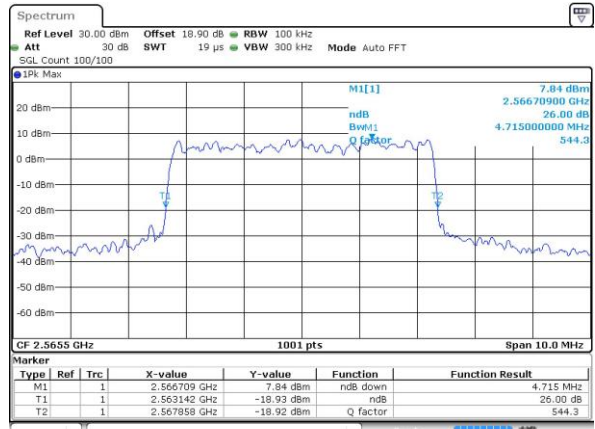
Date: 1 JUN 2018 16:01:08

Highest Channel / 5MHz / QPSK



Date: 1 JUN 2018 16:01:39

Highest Channel / 5MHz / 16QAM

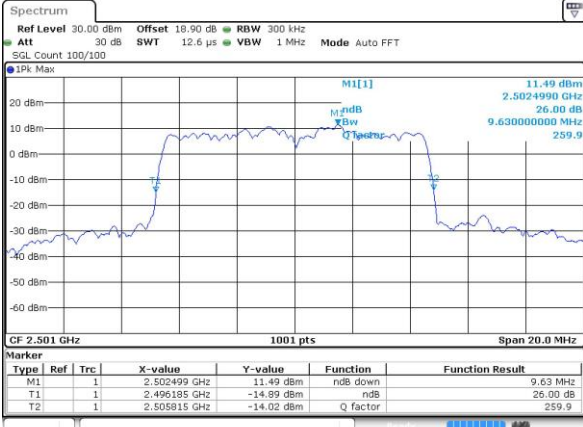


Date: 1 JUN 2018 16:01:50



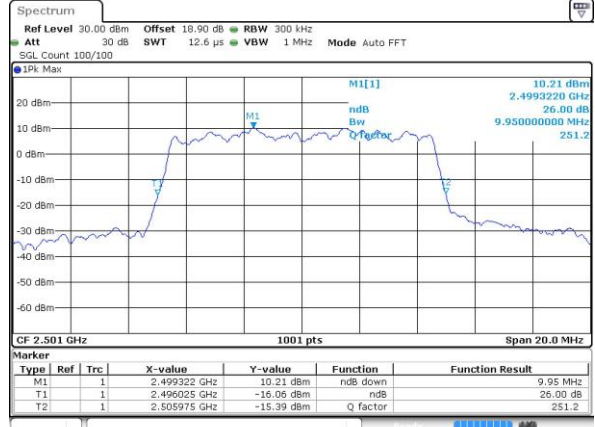
LTE Band 41

Lowest Channel / 10MHz / QPSK



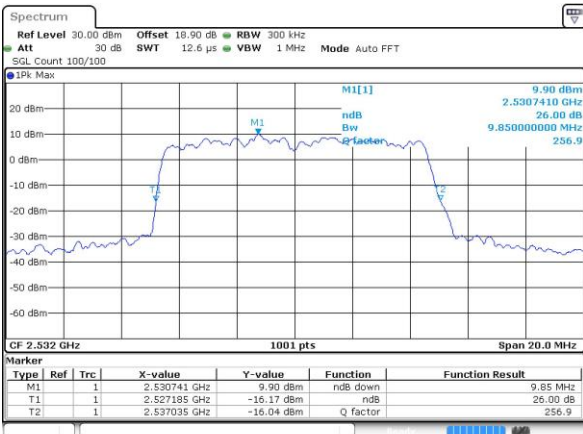
Date: 1 JUN 2018 16:02:21

Lowest Channel / 10MHz / 16QAM



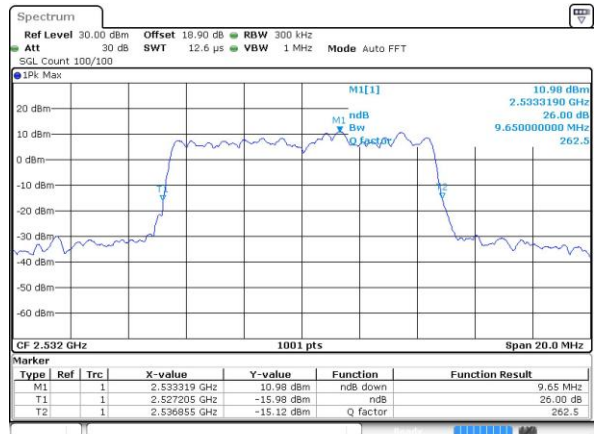
Date: 1 JUN 2018 16:02:32

Middle Channel / 10MHz / QPSK



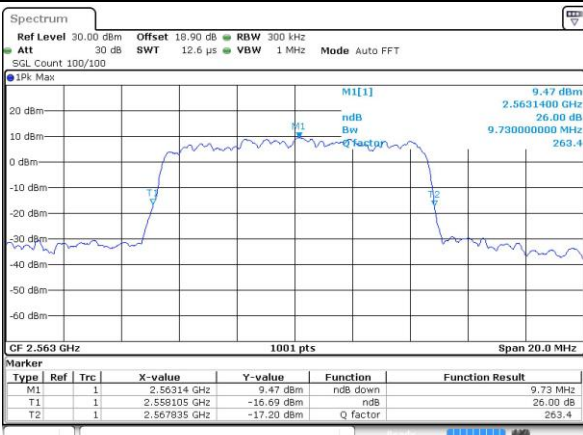
Date: 1 JUN 2018 16:03:03

Middle Channel / 10MHz / 16QAM



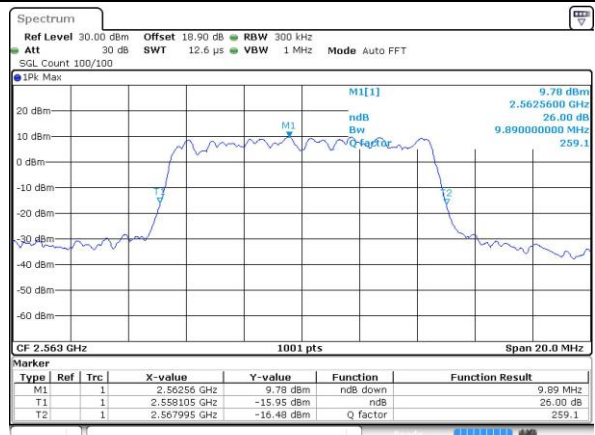
Date: 1 JUN 2018 16:03:14

Highest Channel / 10MHz / QPSK



Date: 1 JUN 2018 16:03:45

Highest Channel / 10MHz / 16QAM



Date: 1 JUN 2018 16:03:56