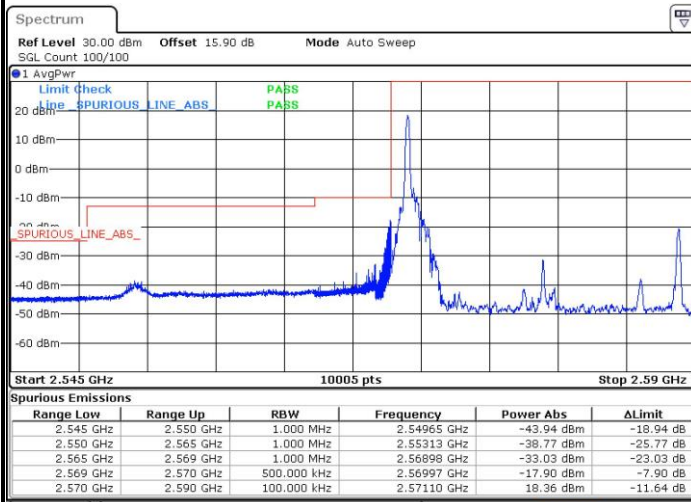


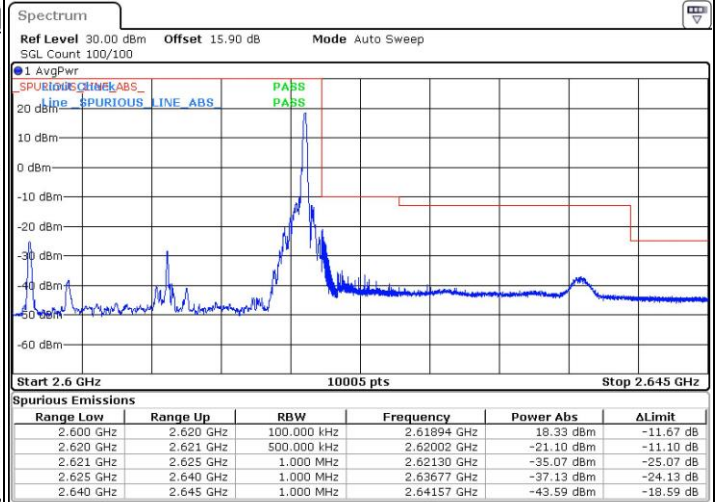


LTE Band 38 / 20MHz / 64QAM

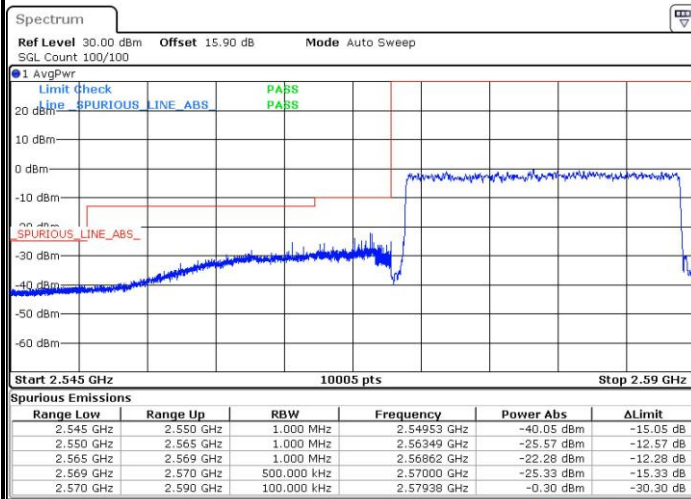
Lowest Band Edge / 1 RB



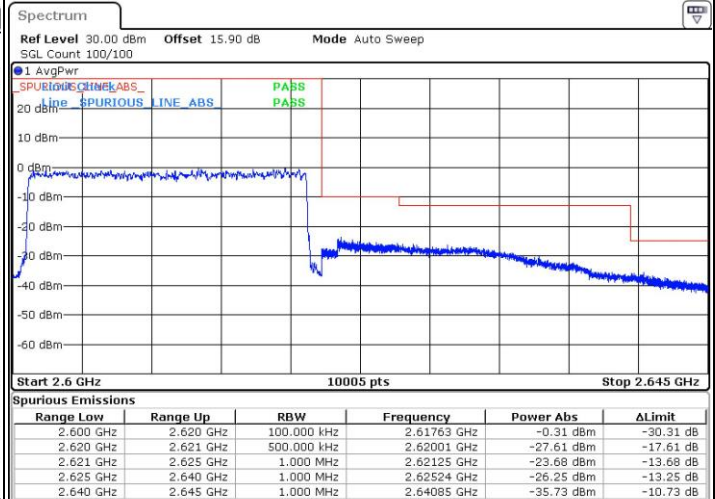
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

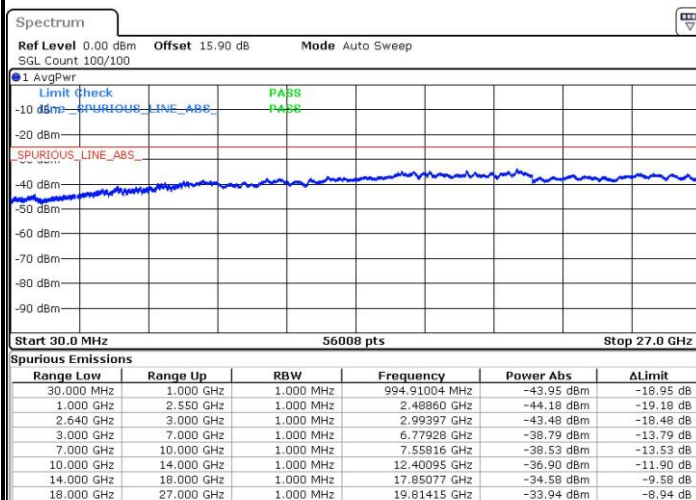




Conducted Spurious Emission

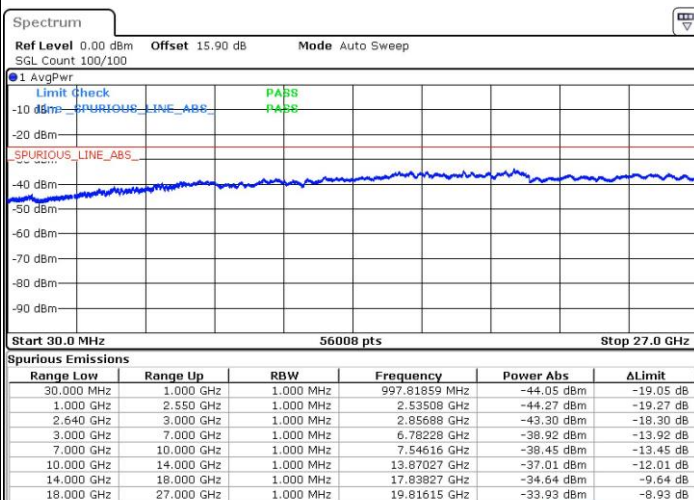
LTE Band 38 / 5MHz

Lowest Channel / QPSK



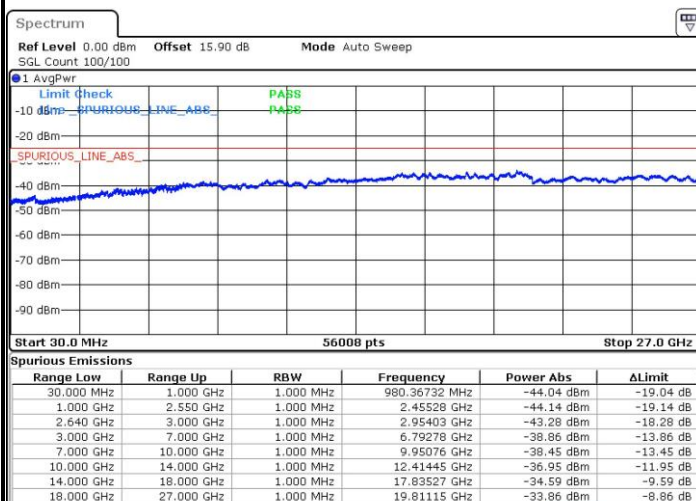
Date: 13 JUN 2018 15:30:26

Lowest Channel / 16QAM



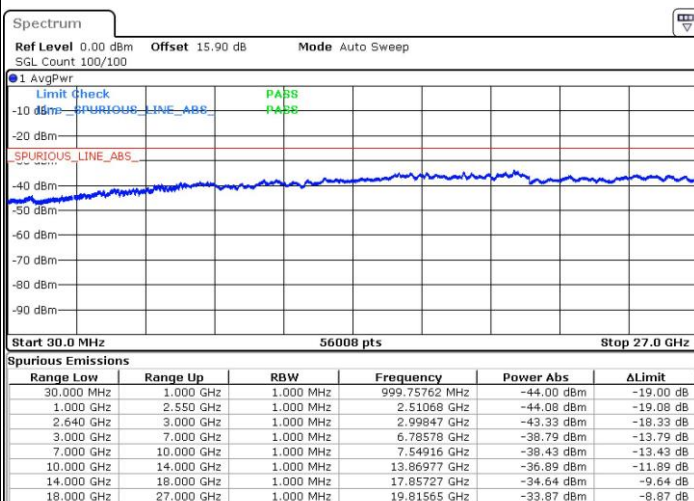
Date: 13 JUN 2018 15:31:21

Middle Channel / QPSK



Date: 13 JUN 2018 15:32:16

Middle Channel / 16QAM

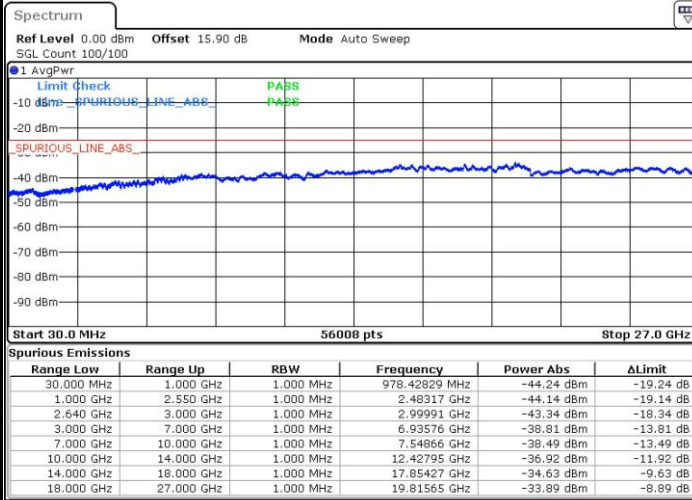


Date: 13 JUN 2018 15:33:11



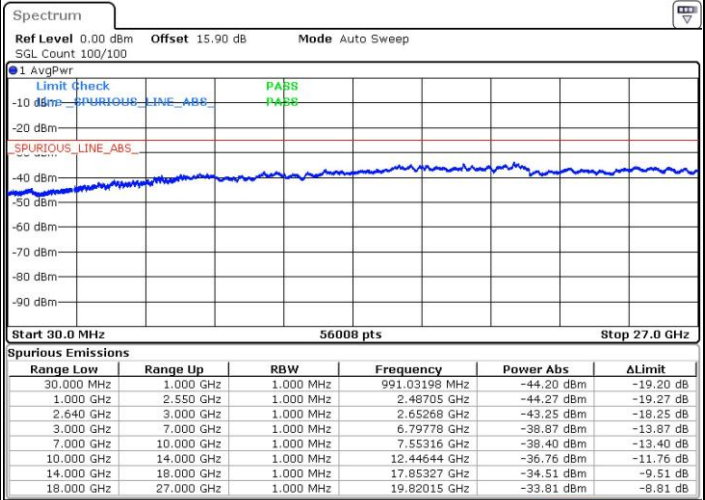
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 13 JUN 2018 15:34:05

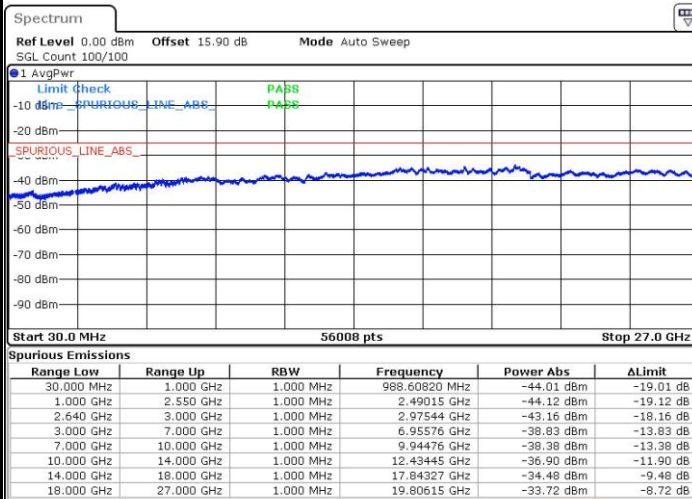
Highest Channel / 16QAM



Date: 13 JUN 2018 15:35:00

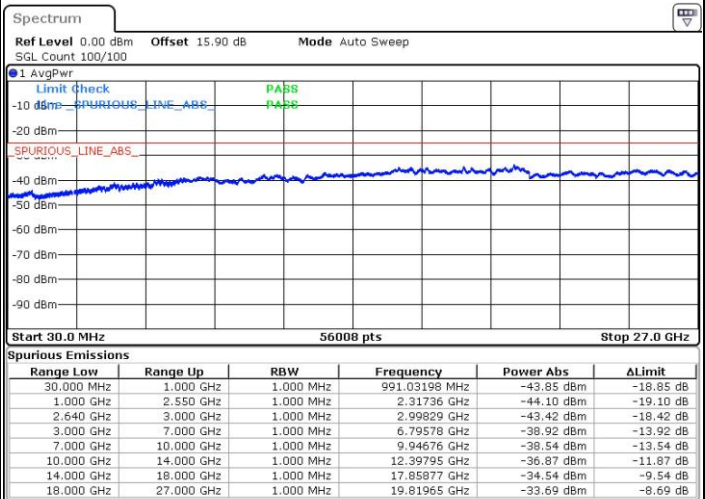
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 13 JUN 2018 15:35:55

Lowest Channel / 16QAM

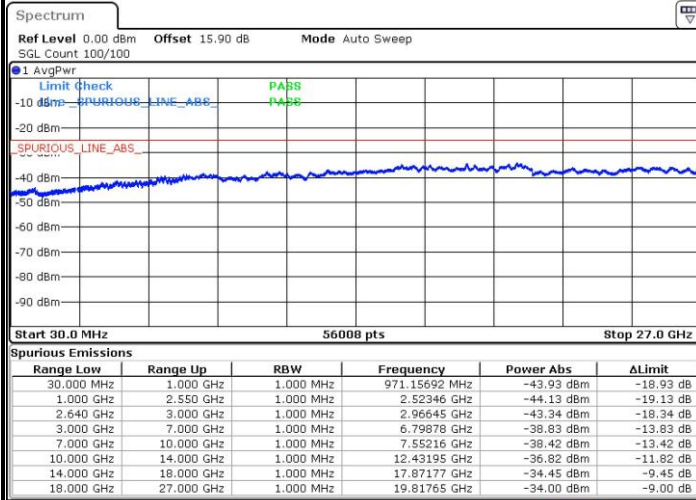


Date: 13 JUN 2018 15:36:49



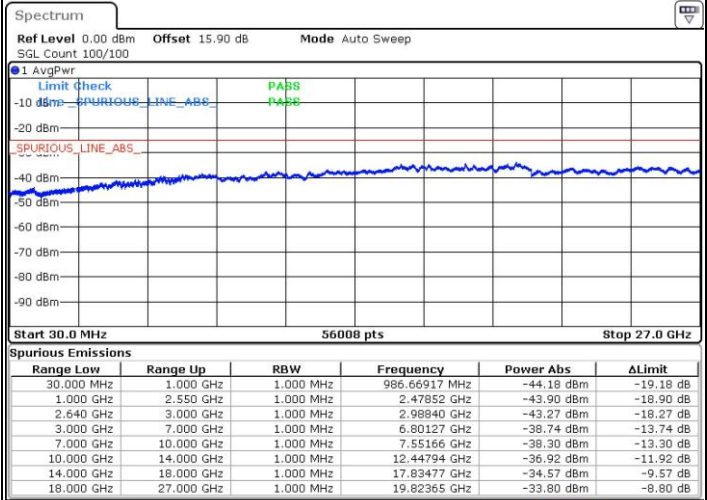
LTE Band 38 / 10MHz

Middle Channel / QPSK



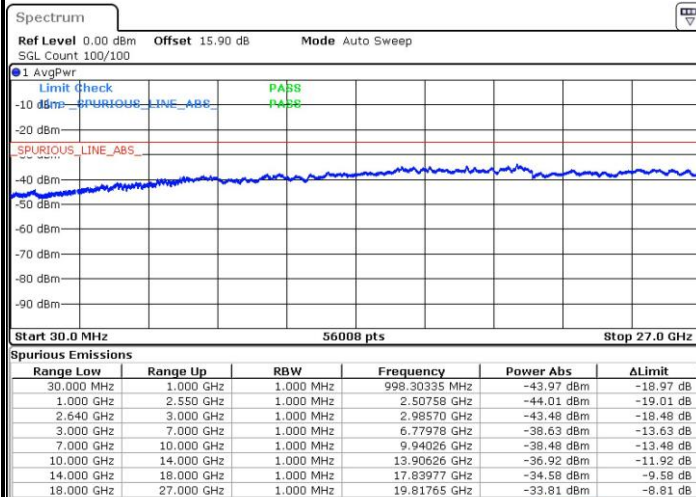
Date: 13 JUN 2018 15:37:44

Middle Channel / 16QAM



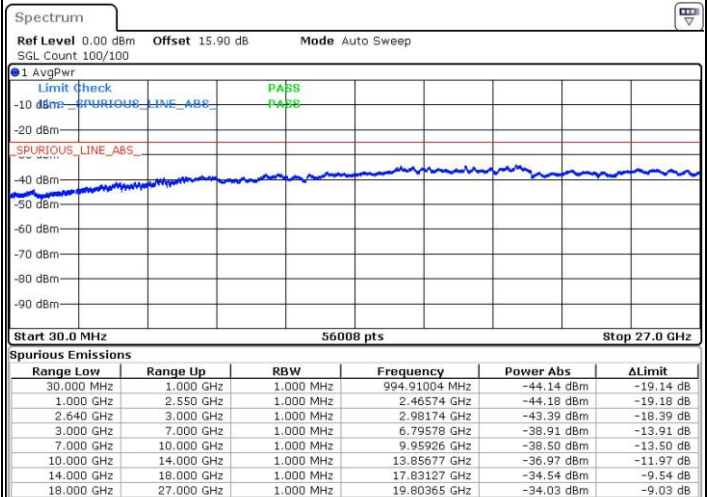
Date: 13 JUN 2018 15:38:39

Highest Channel / QPSK



Date: 13 JUN 2018 15:39:33

Highest Channel / 16QAM

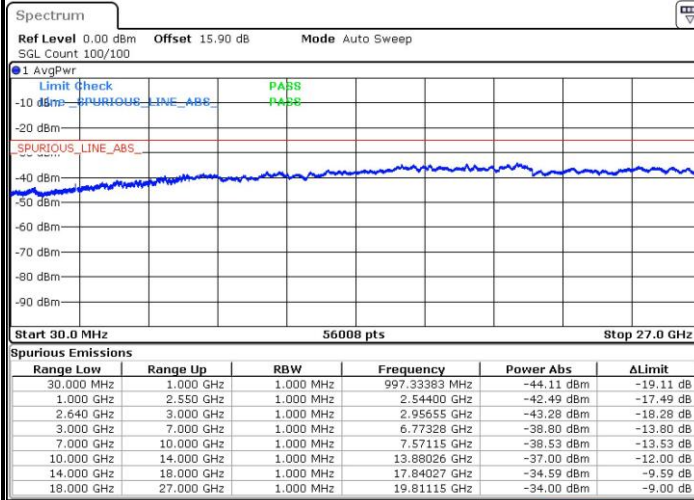


Date: 13 JUN 2018 15:40:28



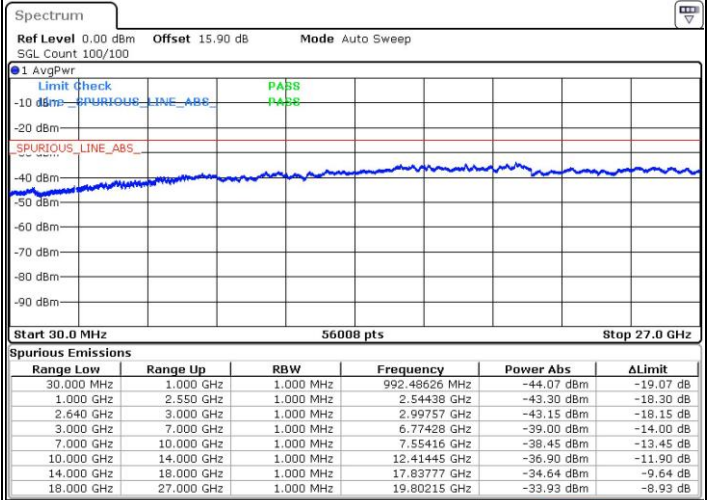
LTE Band 38 / 15MHz

Lowest Channel / QPSK



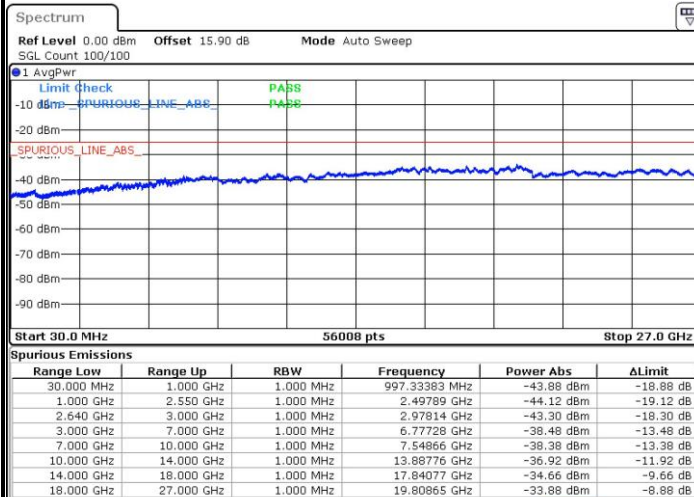
Date: 13 JUN 2018 15:41:23

Lowest Channel / 16QAM



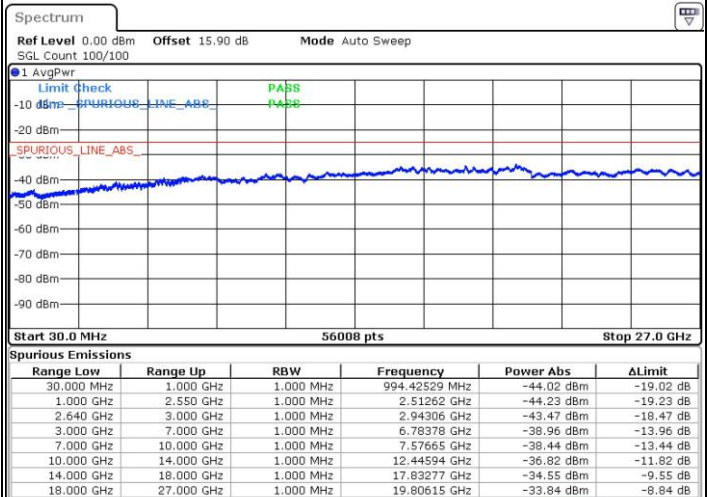
Date: 13 JUN 2018 15:42:17

Middle Channel / QPSK



Date: 13 JUN 2018 15:43:12

Middle Channel / 16QAM

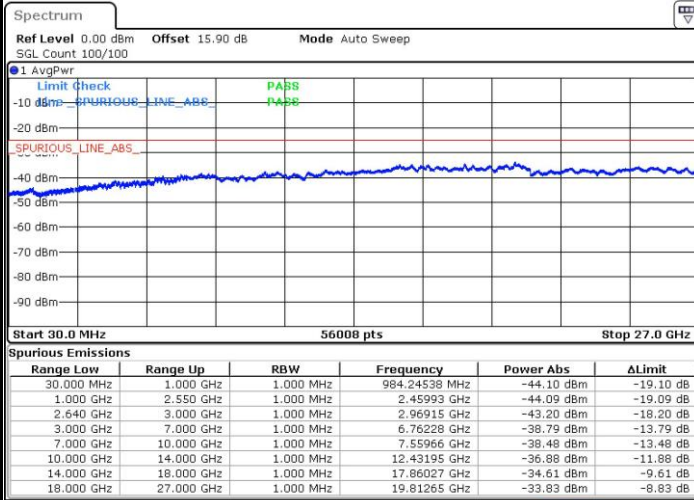


Date: 13 JUN 2018 15:44:07



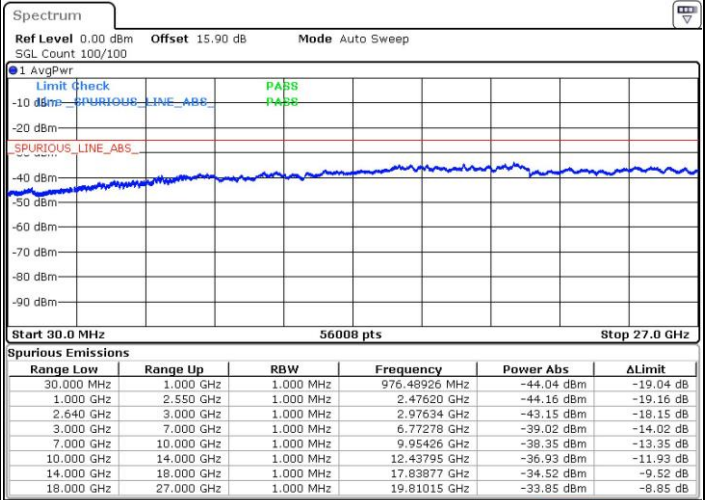
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 13 JUN 2018 15:45:01

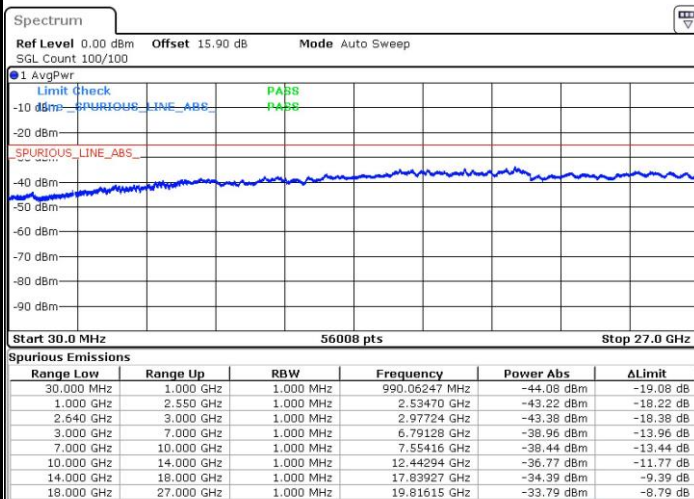
Highest Channel / 16QAM



Date: 13 JUN 2018 15:45:56

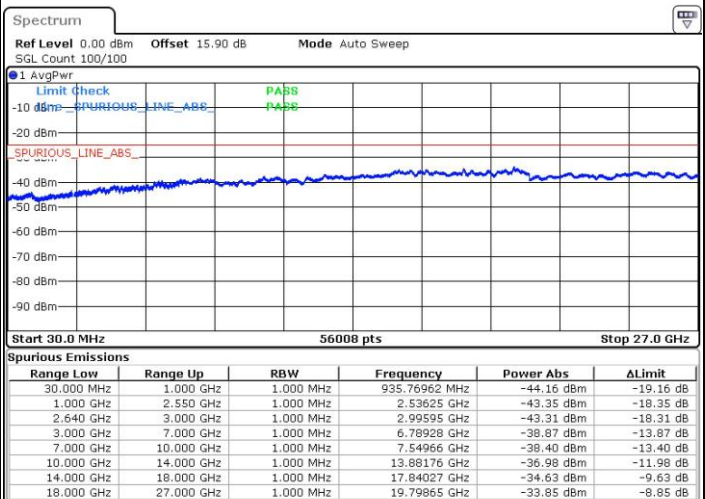
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 13 JUN 2018 15:46:51

Lowest Channel / 16QAM

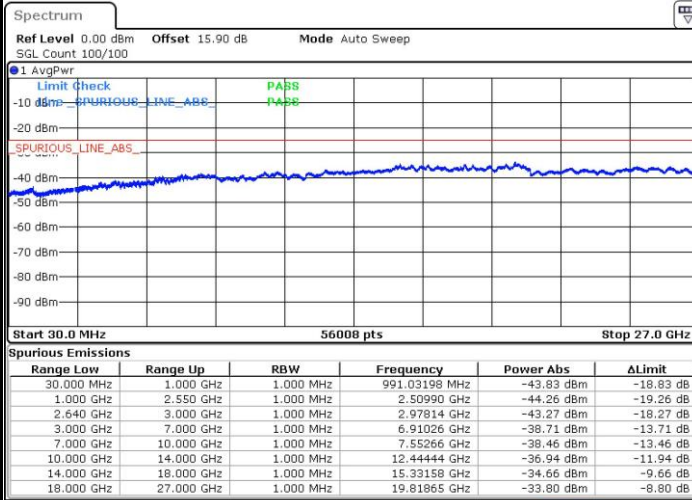


Date: 13 JUN 2018 15:47:45



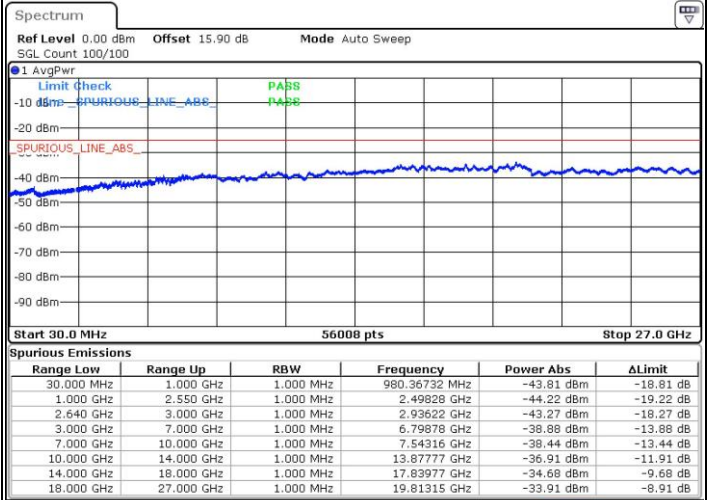
LTE Band 38 / 20MHz

Middle Channel / QPSK



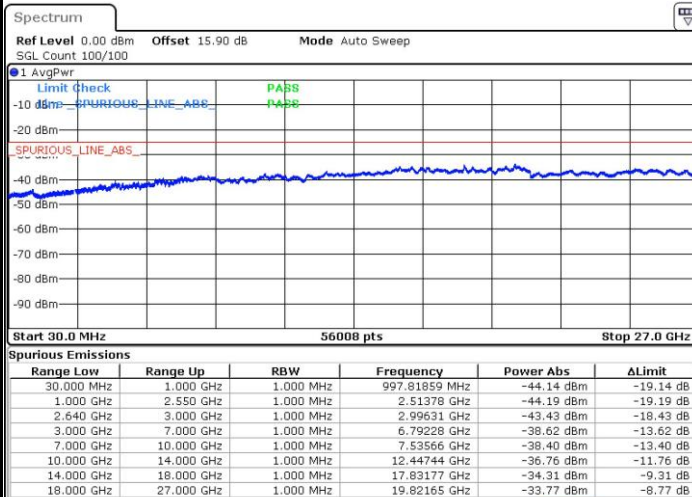
Date: 13 JUN 2018 15:48:40

Middle Channel / 16QAM



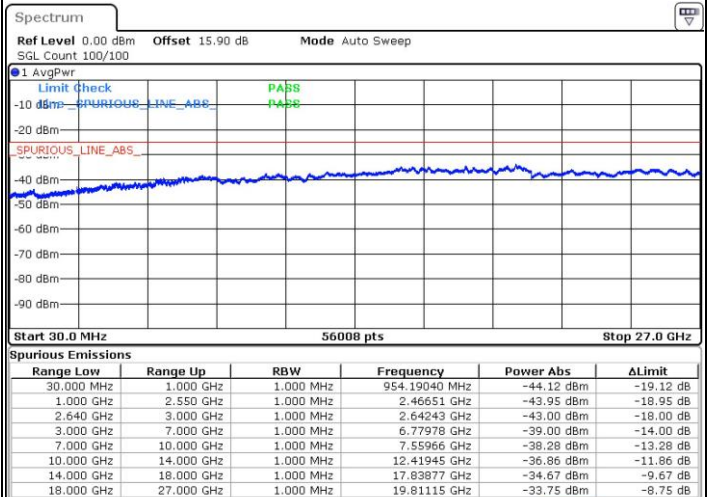
Date: 13 JUN 2018 15:49:35

Highest Channel / QPSK



Date: 13 JUN 2018 15:50:29

Highest Channel / 16QAM

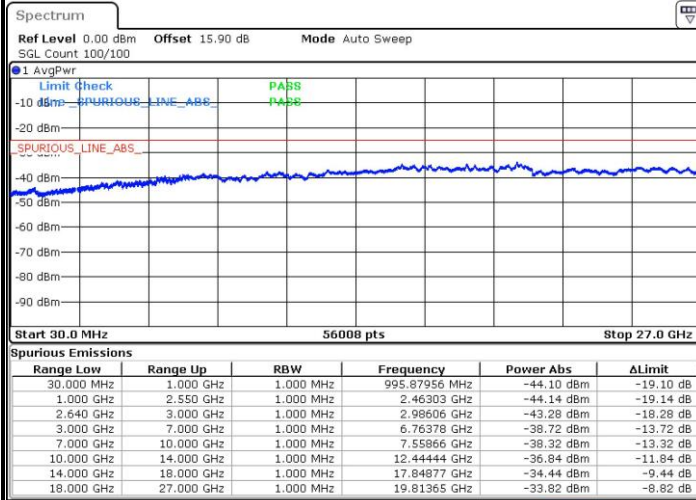


Date: 13 JUN 2018 15:51:24



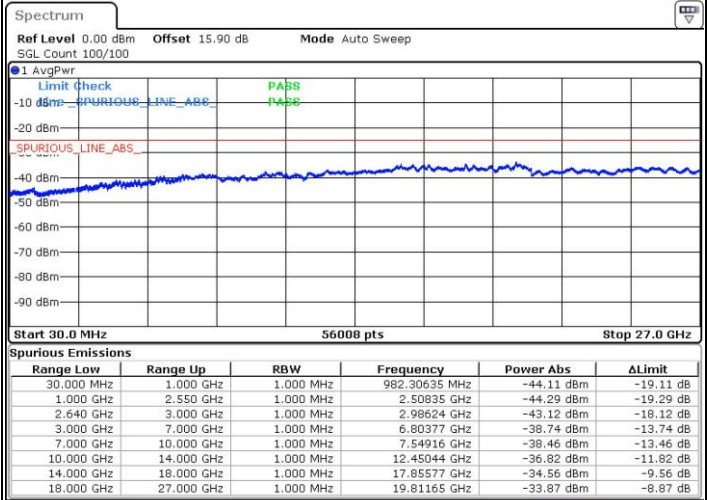
LTE Band 38 / 5MHz

Lowest Channel / 64QAM



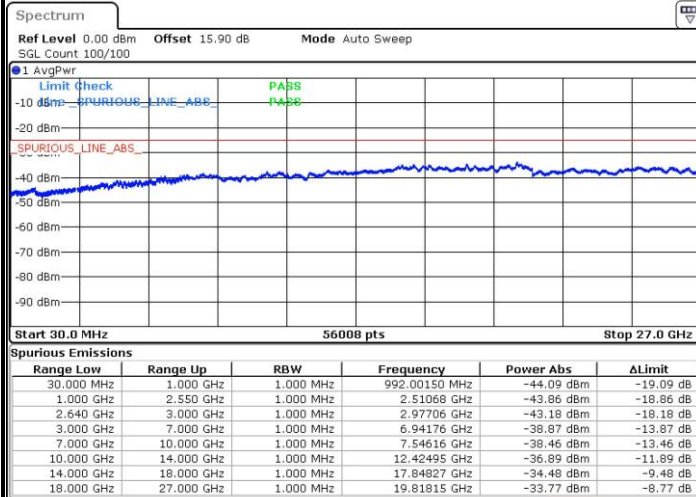
Date: 13 JUN 2018 15:19:30

Middle Channel / 64QAM



Date: 13 JUN 2018 15:20:24

Highest Channel / 64QAM

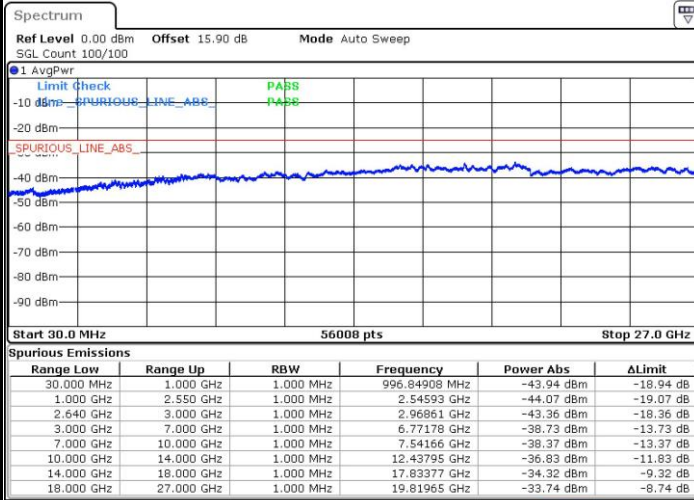


Date: 13 JUN 2018 15:21:19



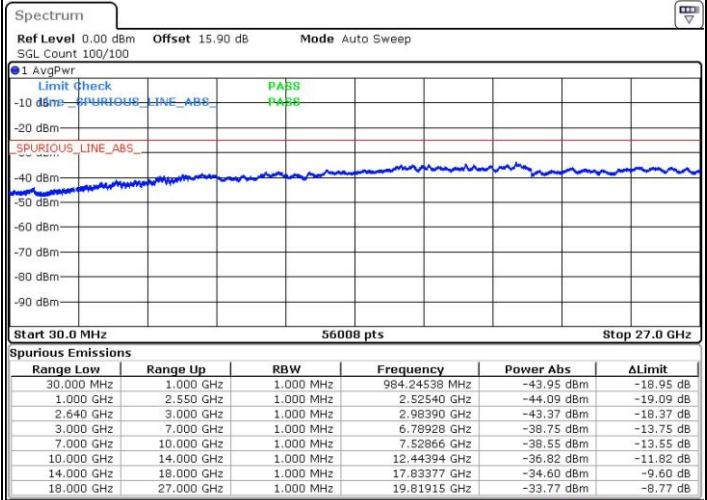
LTE Band 38 / 10MHz

Lowest Channel / 64QAM



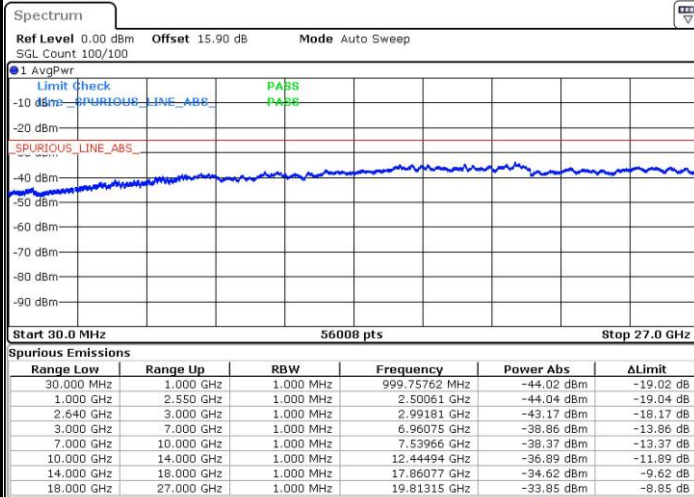
Date: 13 JUN 2018 15:22:14

Middle Channel / 64QAM



Date: 13 JUN 2018 15:23:08

Highest Channel / 64QAM

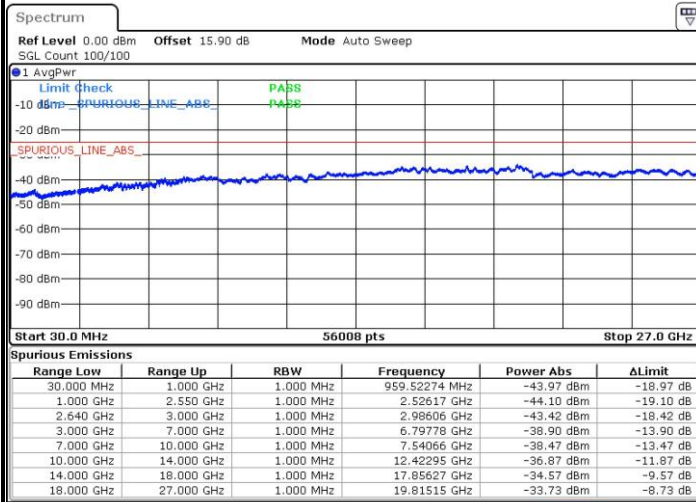


Date: 13 JUN 2018 15:24:03



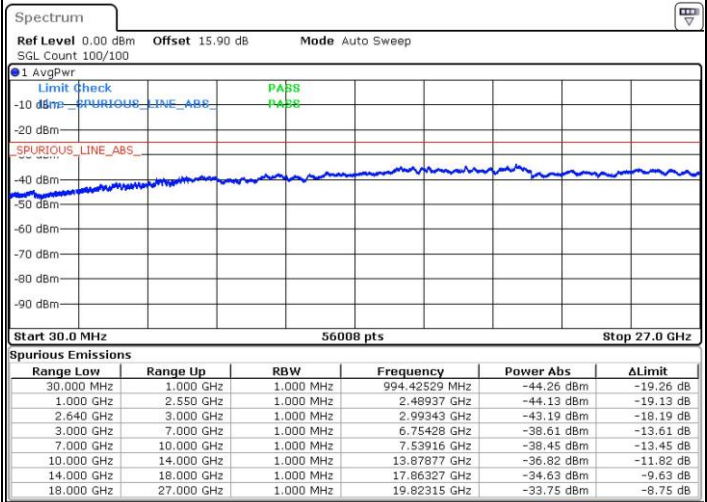
LTE Band 38 / 15MHz

Lowest Channel / 64QAM



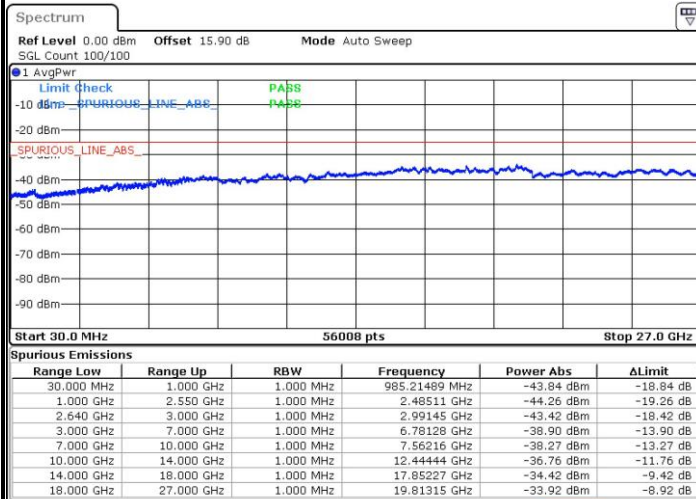
Date: 13 JUN 2018 15:24:58

Middle Channel / 64QAM



Date: 13 JUN 2018 15:25:53

Highest Channel / 64QAM

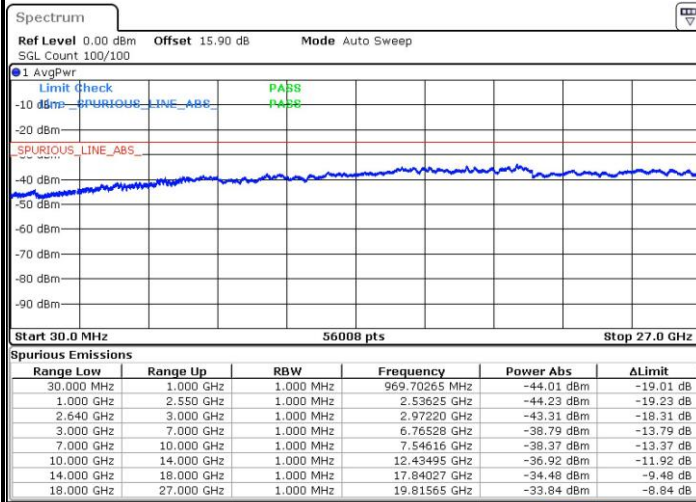


Date: 13 JUN 2018 15:26:48



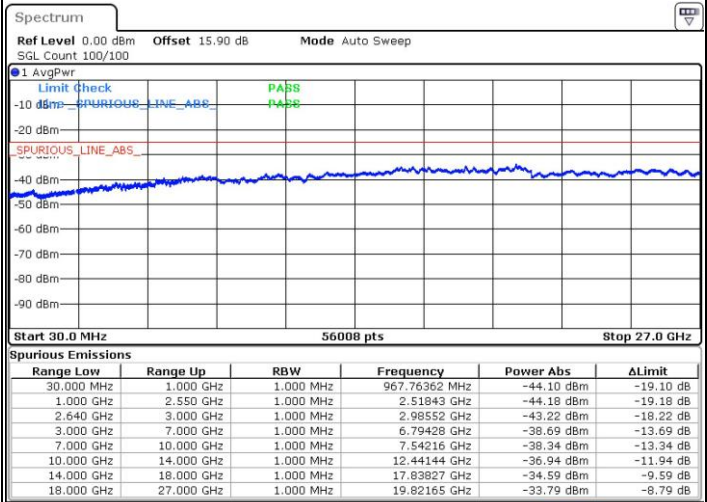
LTE Band 38 / 20MHz

Lowest Channel / 64QAM



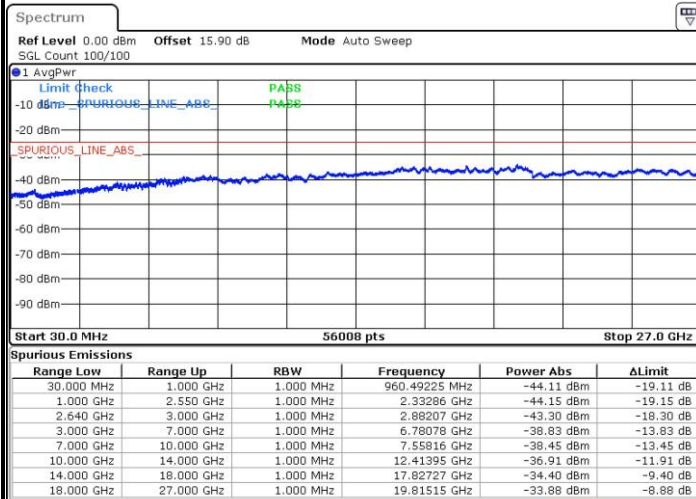
Date: 13 JUN 2018 15:27:42

Middle Channel / 64QAM



Date: 13 JUN 2018 15:28:37

Highest Channel / 64QAM



Date: 13 JUN 2018 15:29:32

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	0.0020	PASS
40	Normal Voltage	0.0030	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0039	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

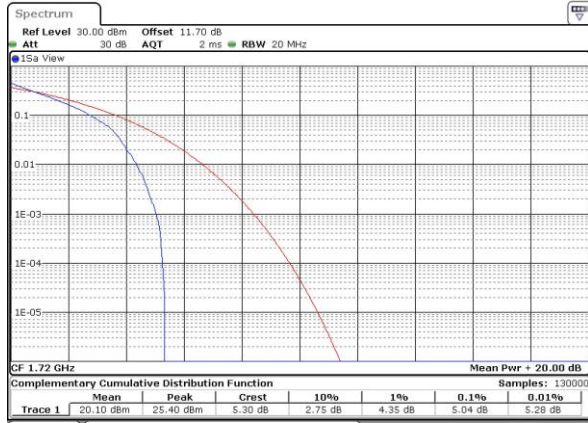
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



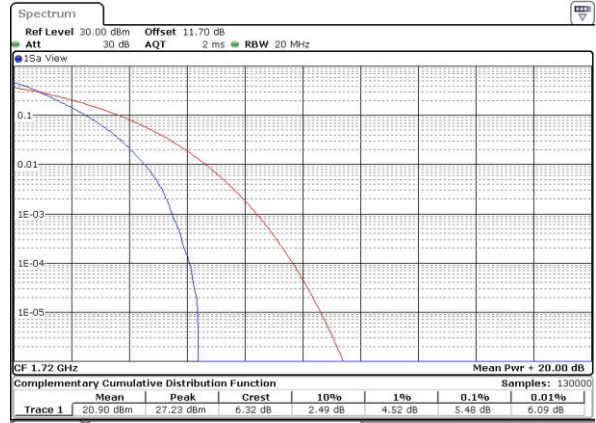
LTE Band 66

Peak-to-Average Ratio

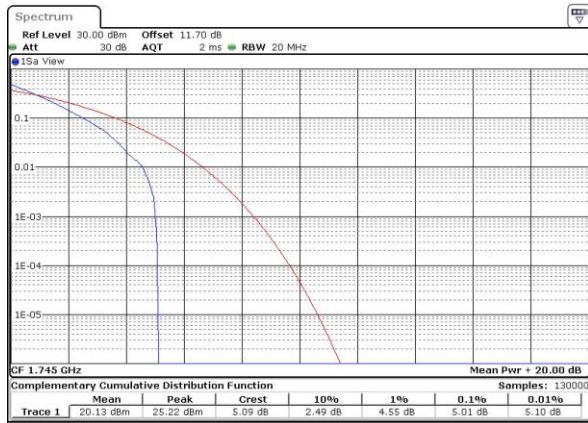
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.04	5.48	6.09	6.49	PASS
Middle CH	5.01	5.45	5.94	6.43	
Highest CH	5.04	5.33	6.84	6.35	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.81	6.72	-	-	PASS
Middle CH	6.58	6.58	-	-	
Highest CH	7.36	6.52	-	-	

LTE Band 66 / 20MHz / QPSK
Lowest Channel / 1RB


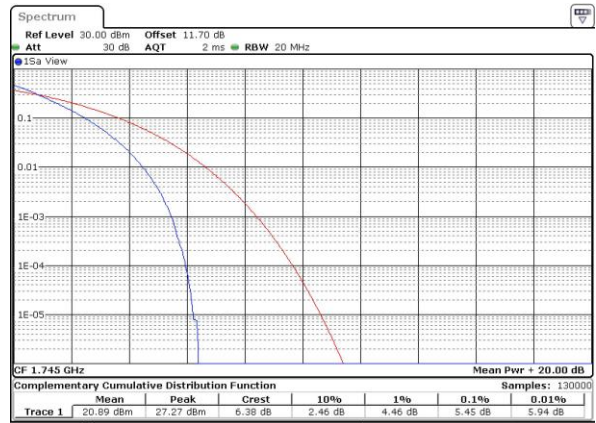
Date: 30 JUN 2018 03:10:27

Lowest Channel / Full RB


Date: 30 JUN 2018 03:10:38

Middle Channel / 1RB


Date: 30 JUN 2018 03:10:49

Middle Channel / Full RB


Date: 30 JUN 2018 03:11:02

Highest Channel / 1RB


Date: 30 JUN 2018 03:11:14

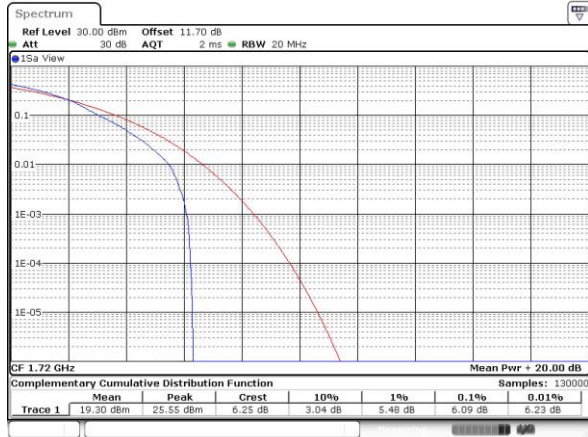
Highest Channel / Full RB


Date: 30 JUN 2018 03:11:27

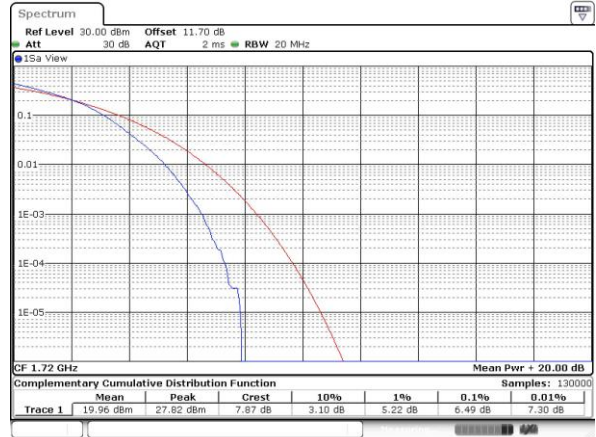


LTE Band 66 / 20MHz / 16QAM

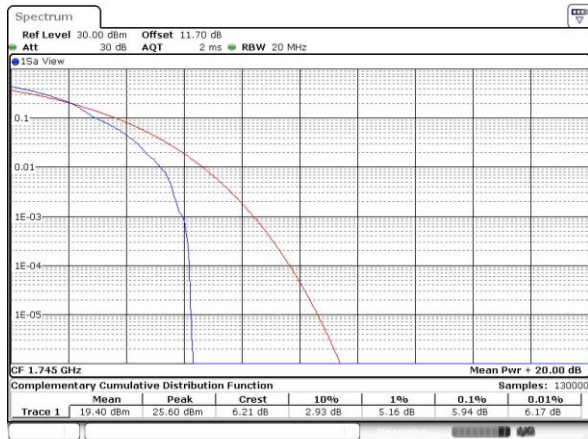
Lowest Channel / 1RB



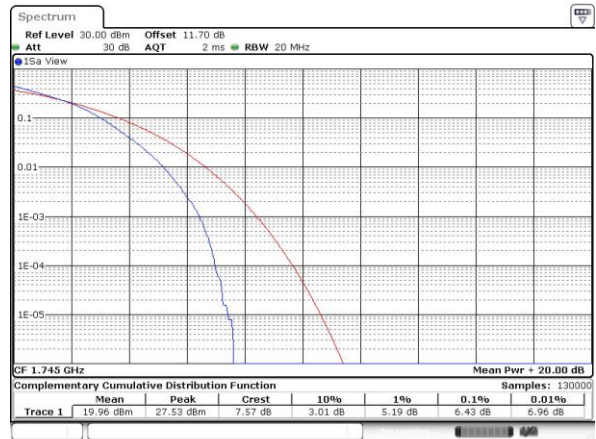
Lowest Channel / Full RB



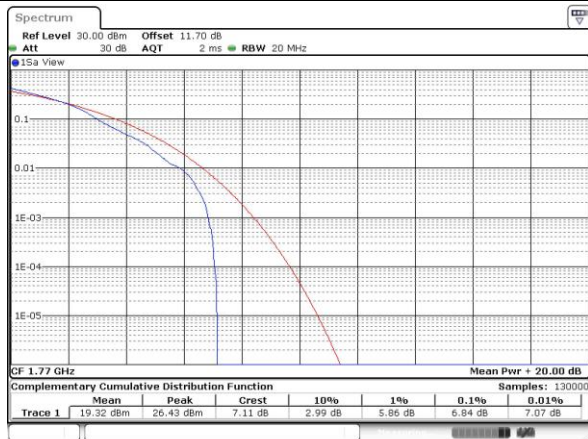
Middle Channel / 1RB



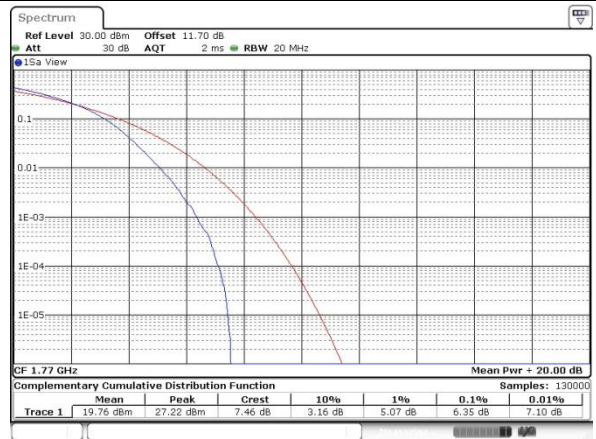
Middle Channel / Full RB

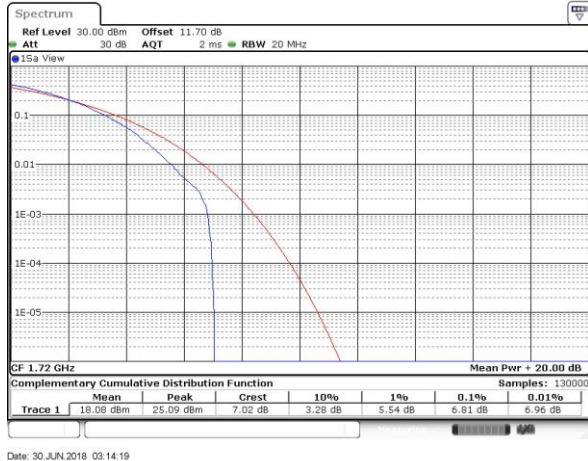


Highest Channel / 1RB

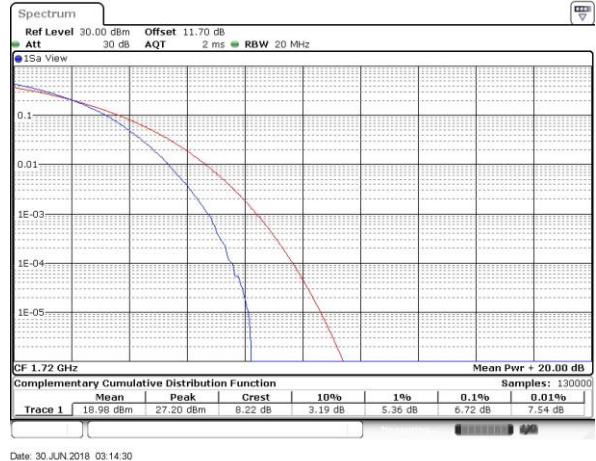


Highest Channel / Full RB

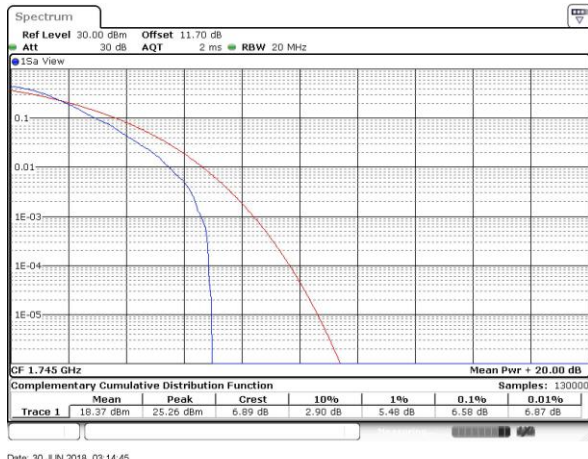


LTE Band 66 / 20MHz / 64QAM
Lowest Channel / 1RB


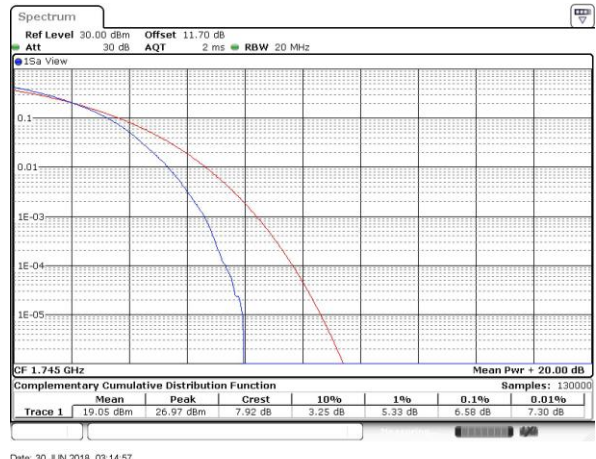
Date: 30 JUN 2018 03:14:19

Lowest Channel / Full RB


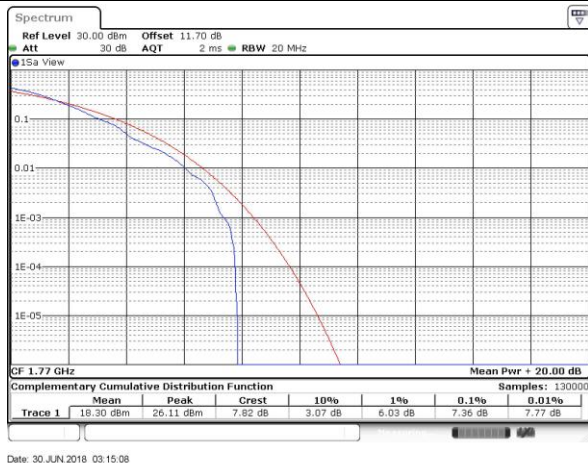
Date: 30 JUN 2018 03:14:30

Middle Channel / 1RB


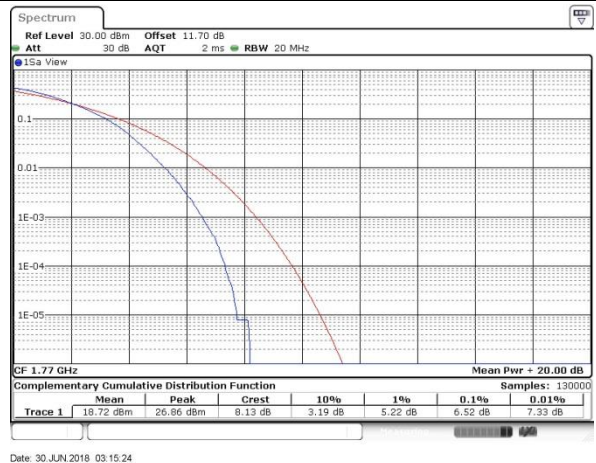
Date: 30 JUN 2018 03:14:45

Middle Channel / Full RB


Date: 30 JUN 2018 03:14:57

Highest Channel / 1RB


Date: 30 JUN 2018 03:15:08

Highest Channel / Full RB


Date: 30 JUN 2018 03:15:24

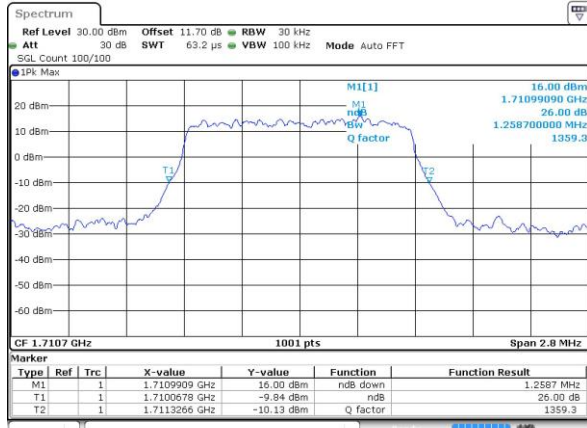
**26dB Bandwidth**

Mode	LTE Band 66 : 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	1.26	1.28	2.94	3.00	5.22	5.03	9.95	9.75	14.48	14.33	20.26	20.38
Middle CH	1.24	1.24	2.96	2.96	5.16	5.01	10.07	10.05	14.57	14.75	20.34	20.38
Highest CH	1.28	1.24	2.93	2.97	5.09	5.08	9.87	9.89	14.78	14.63	20.10	20.10
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.27	-	2.93	-	4.84	-	9.79	-	14.42	-	20.18	-
Middle CH	1.29	-	2.97	-	4.93	-	10.09	-	14.75	-	20.30	-
Highest CH	1.27	-	2.94	-	5.04	-	9.91	-	14.27	-	20.10	-

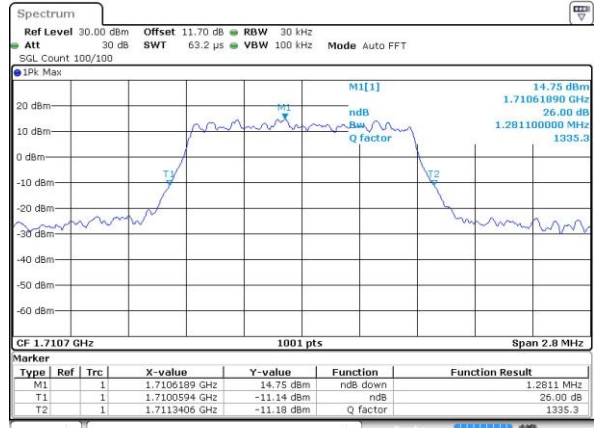


LTE Band 66

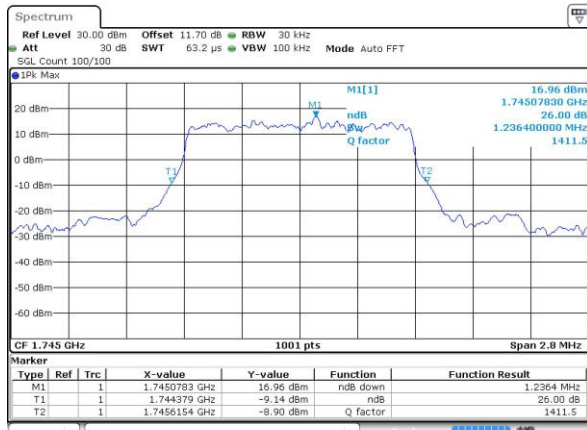
Lowest Channel / 1.4MHz / QPSK



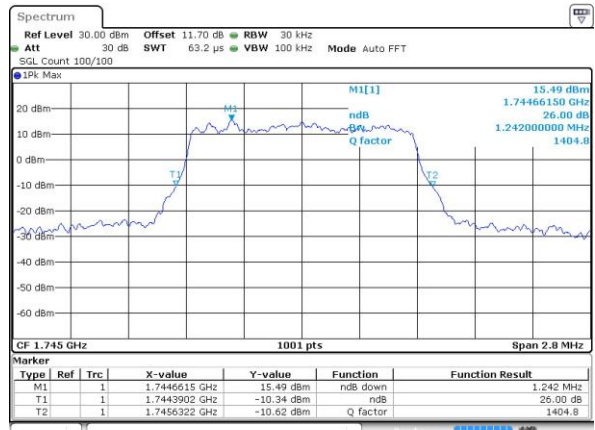
Lowest Channel / 1.4MHz / 16QAM



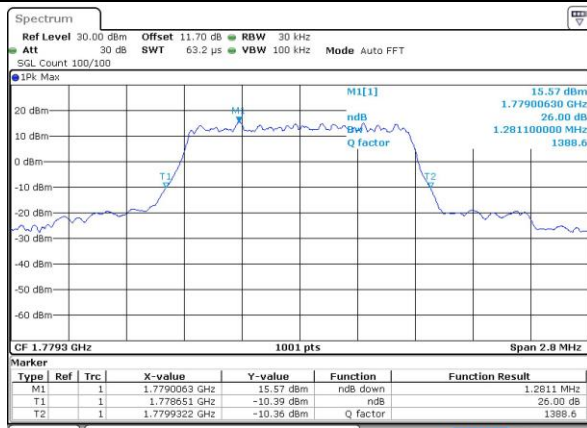
Middle Channel / 1.4MHz / QPSK



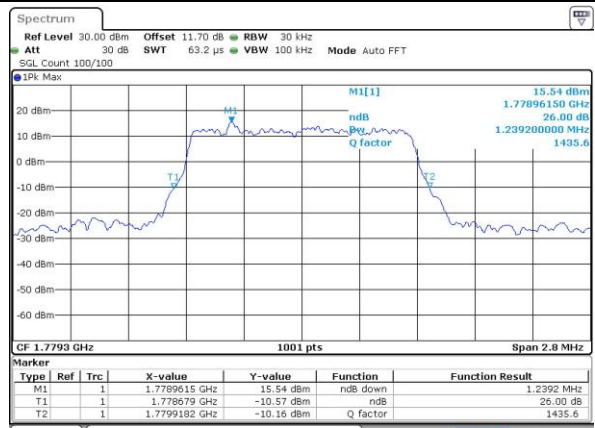
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



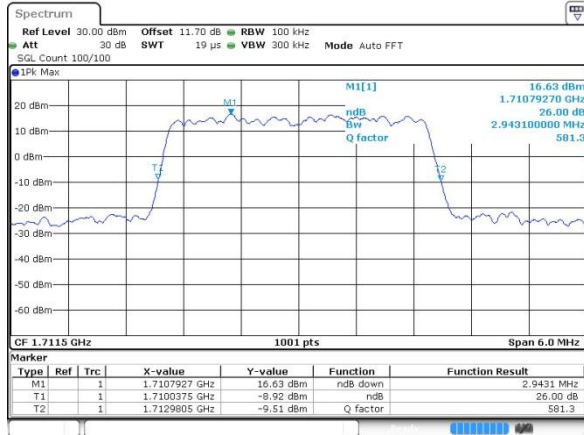
Highest Channel / 1.4MHz / 16QAM





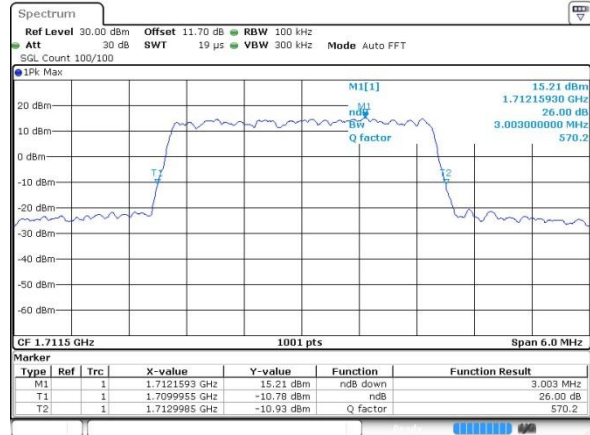
LTE Band 66

Lowest Channel / 3MHz / QPSK



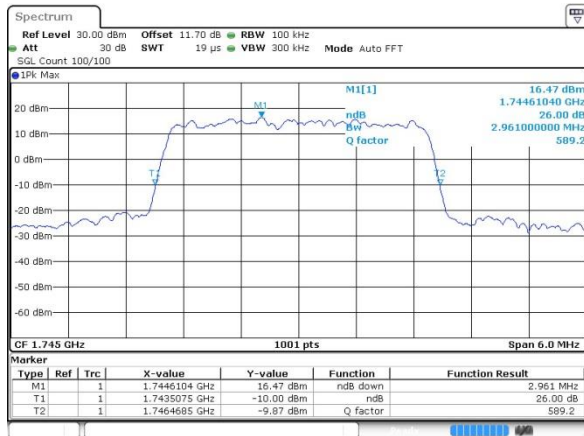
Date: 30 JUN 2018 01:00:03

Lowest Channel / 3MHz / 16QAM



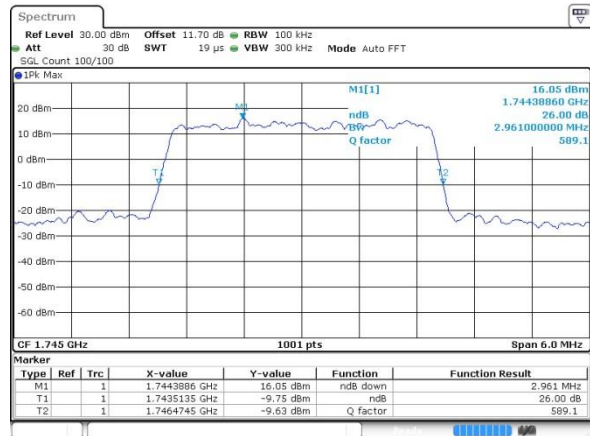
Date: 30 JUN 2018 01:00:15

Middle Channel / 3MHz / QPSK



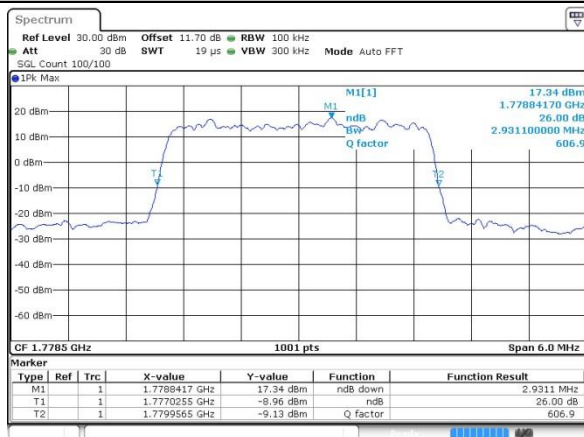
Date: 30 JUN 2018 01:07:21

Middle Channel / 3MHz / 16QAM



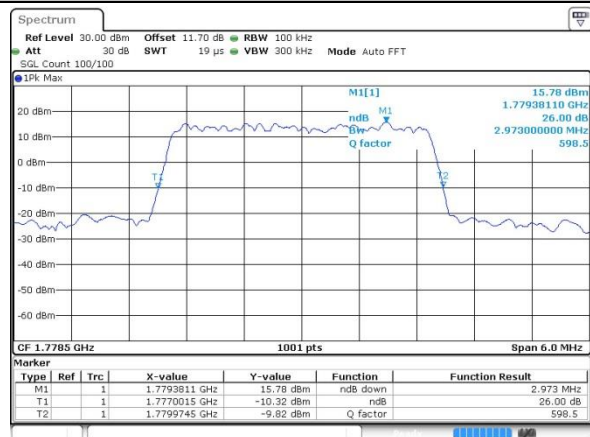
Date: 30 JUN 2018 01:07:33

Highest Channel / 3MHz / QPSK



Date: 30 JUN 2018 01:09:59

Highest Channel / 3MHz / 16QAM



Date: 30 JUN 2018 01:10:10