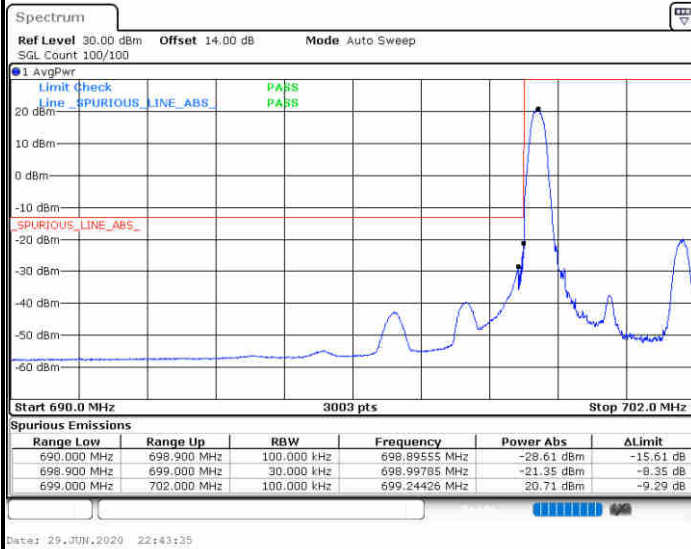


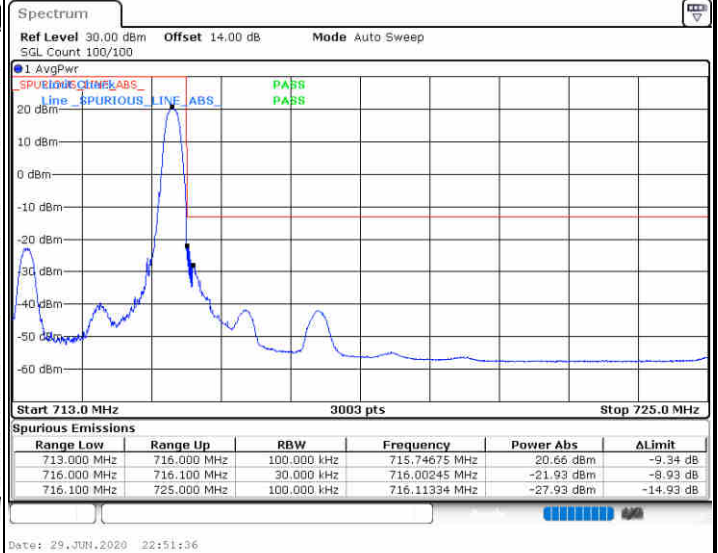


LTE Band 12 / 3MHz / 16QAM

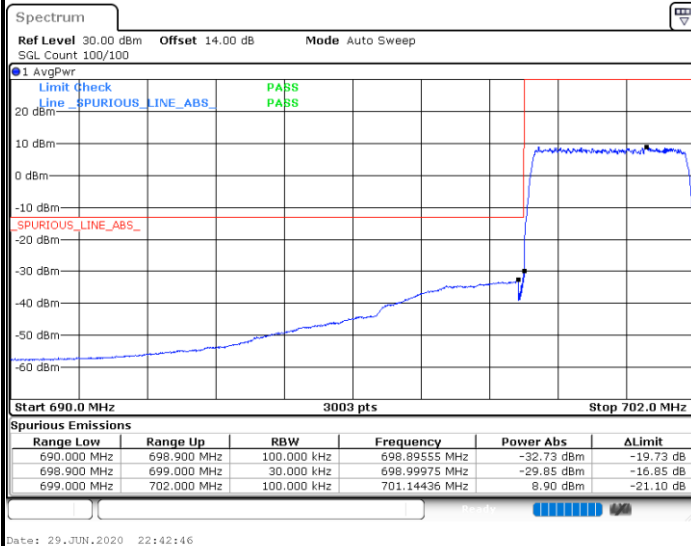
Lowest Band Edge / 1 RB



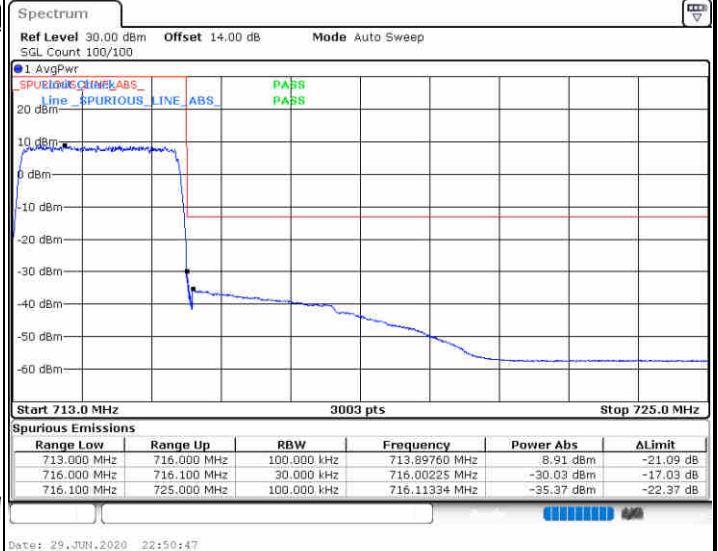
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



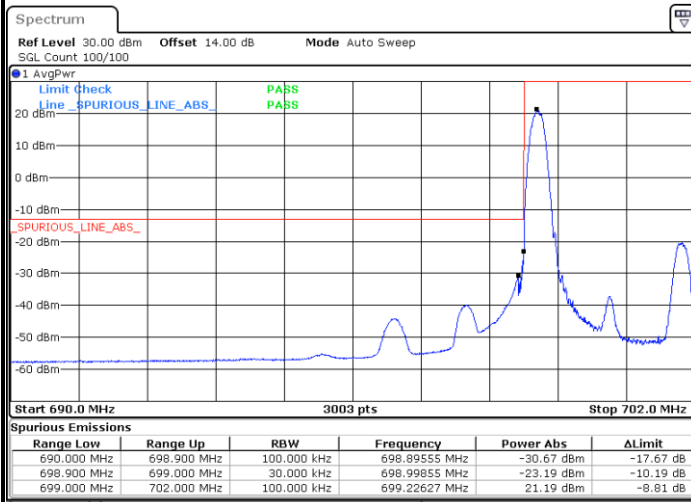
Highest Band Edge / Full RB



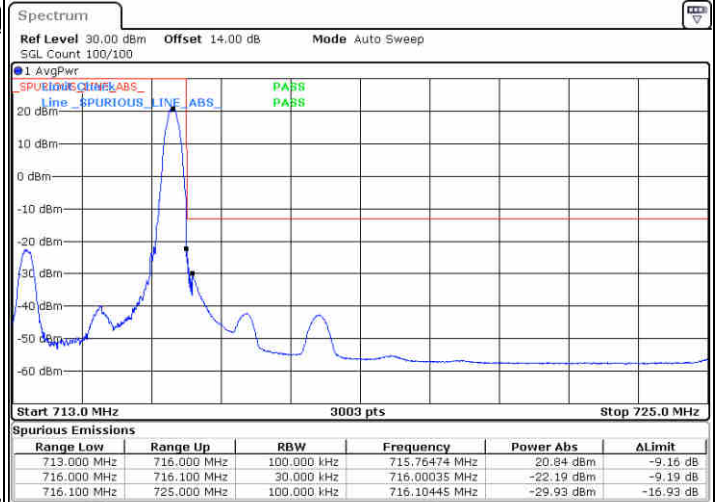


LTE Band 12 / 3MHz / 64QAM

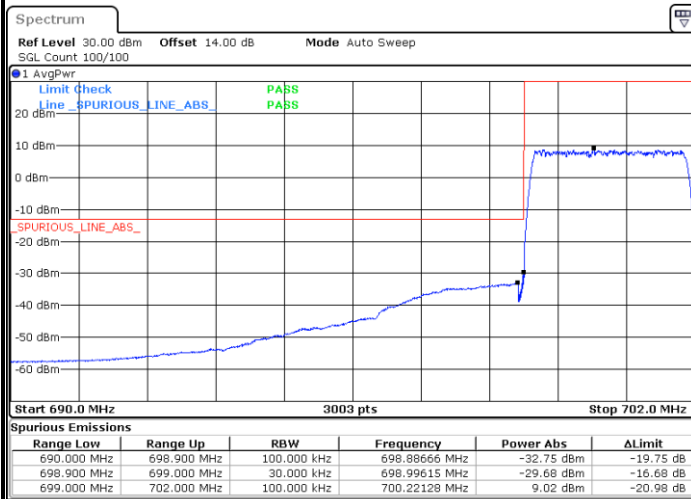
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



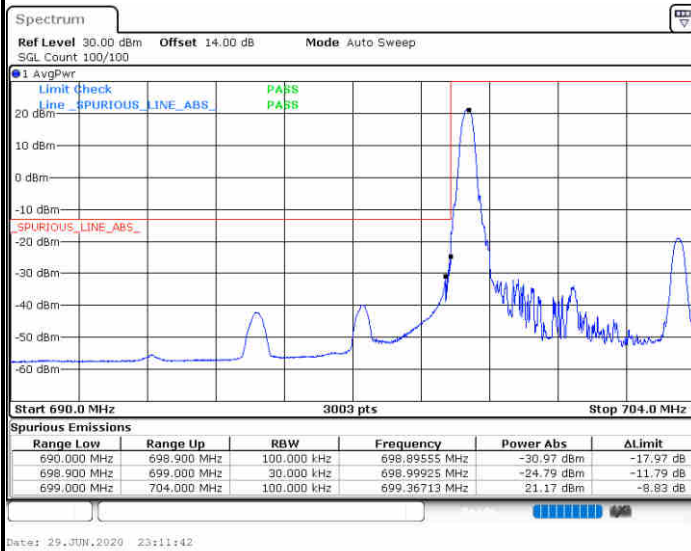
Highest Band Edge / Full RB



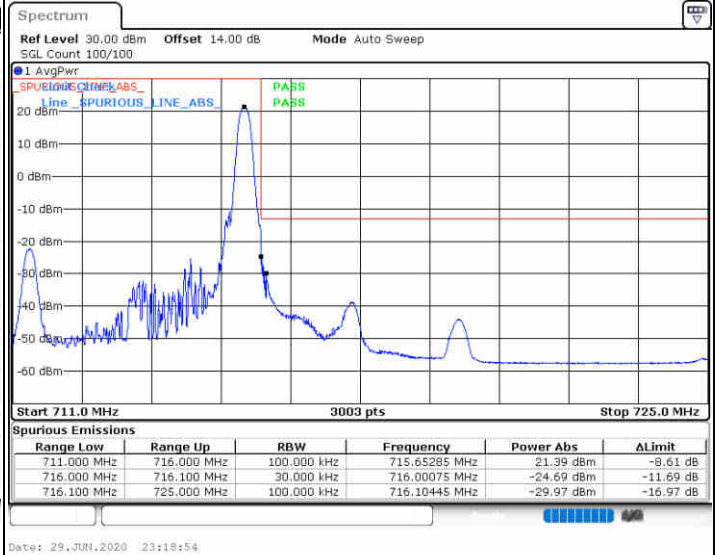


LTE Band 12 / 5MHz / QPSK

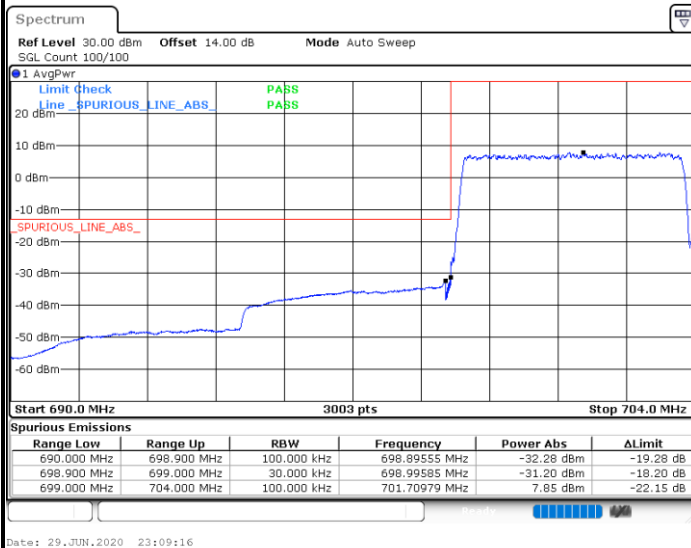
Lowest Band Edge / 1 RB



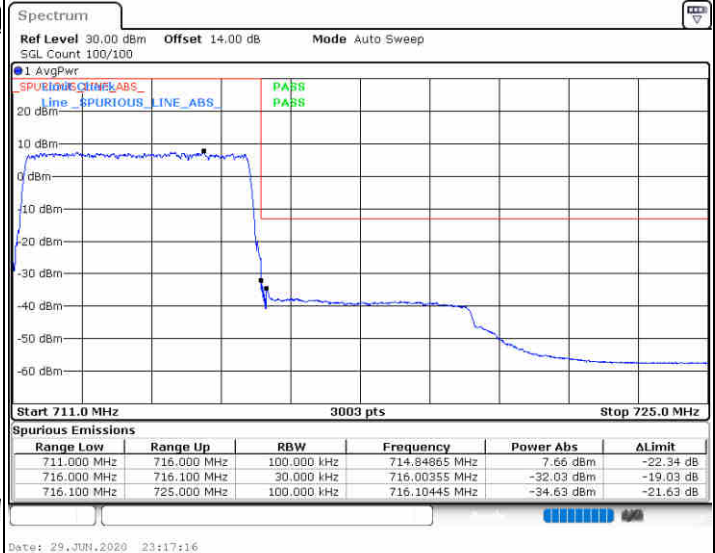
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



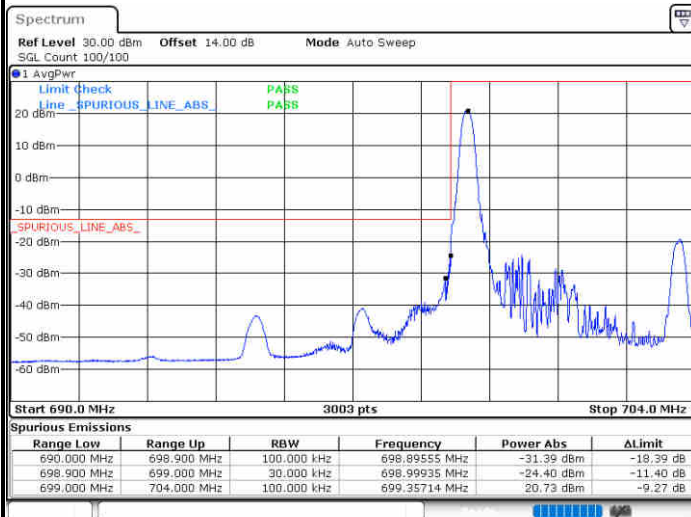
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / 16QAM

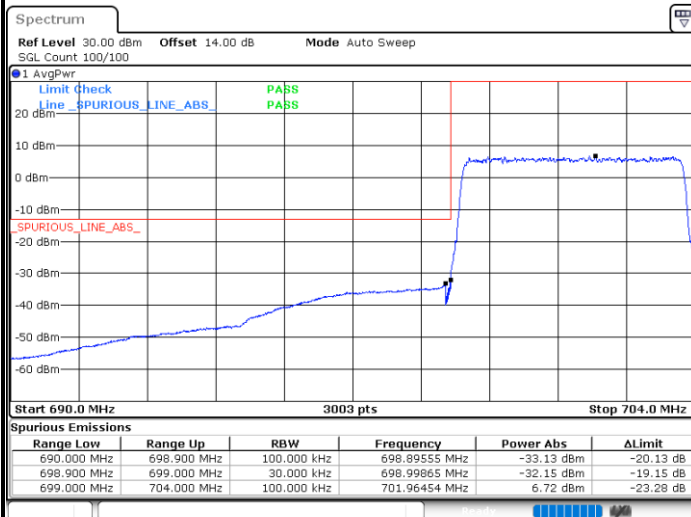
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



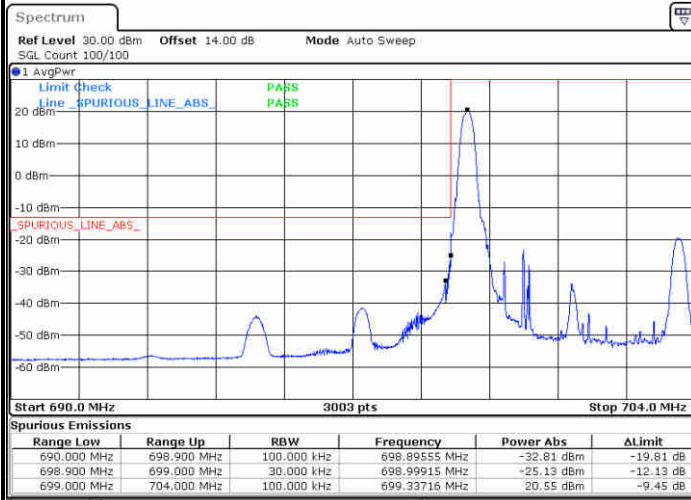
Highest Band Edge / Full RB



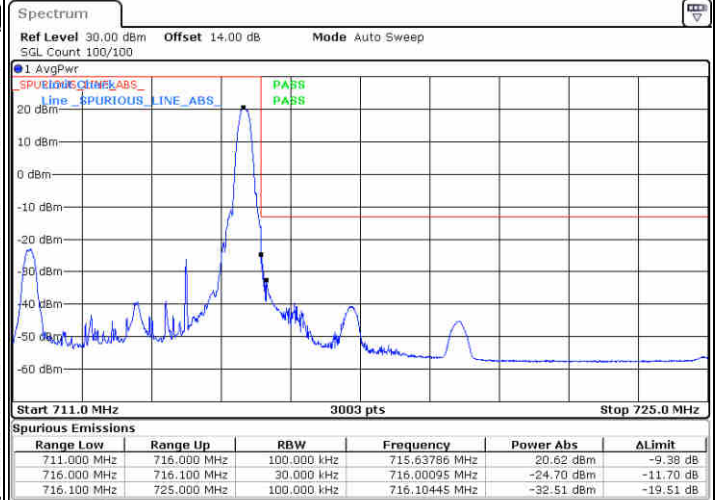


LTE Band 12 / 5MHz / 64QAM

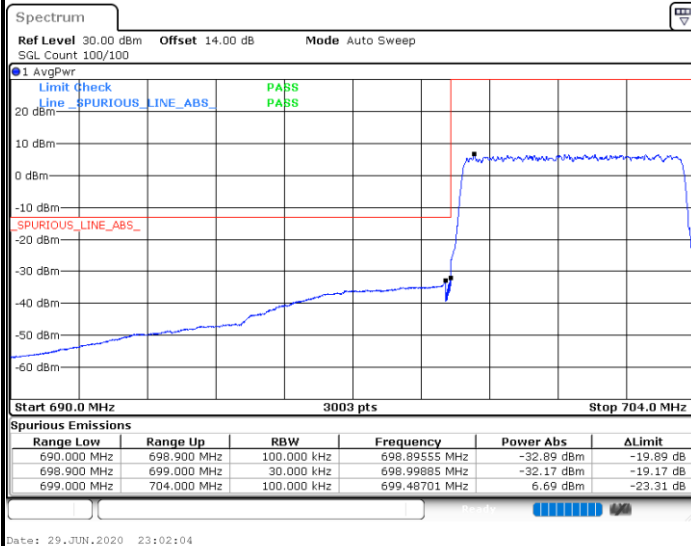
Lowest Band Edge / 1RB



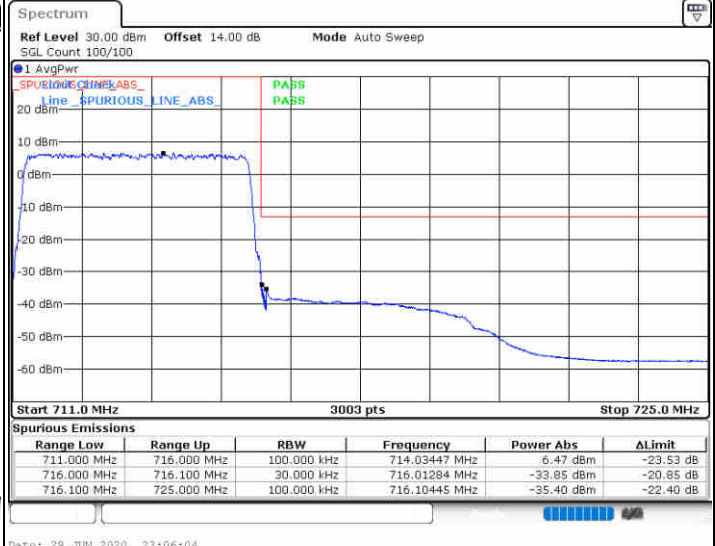
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



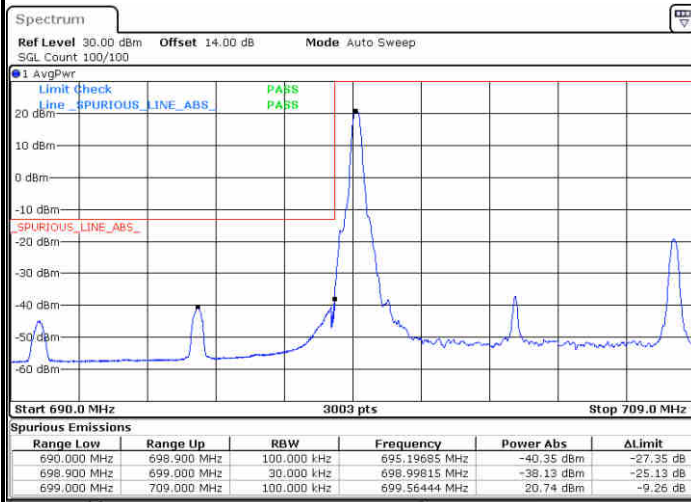
Highest Band Edge / Full RB



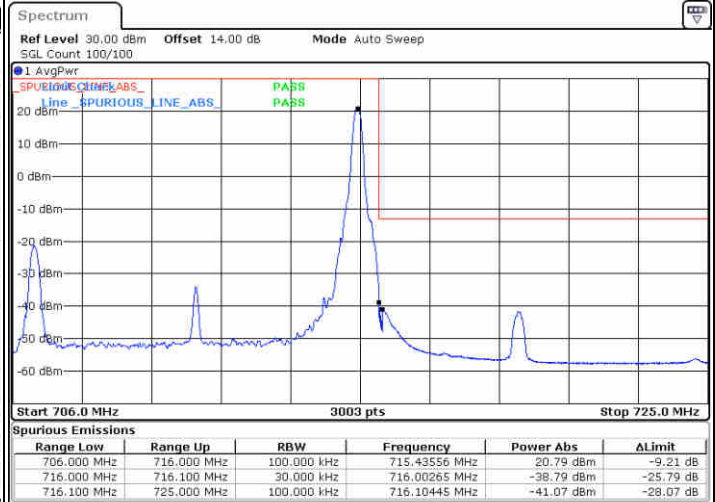


LTE Band 12 / 10MHz / QPSK

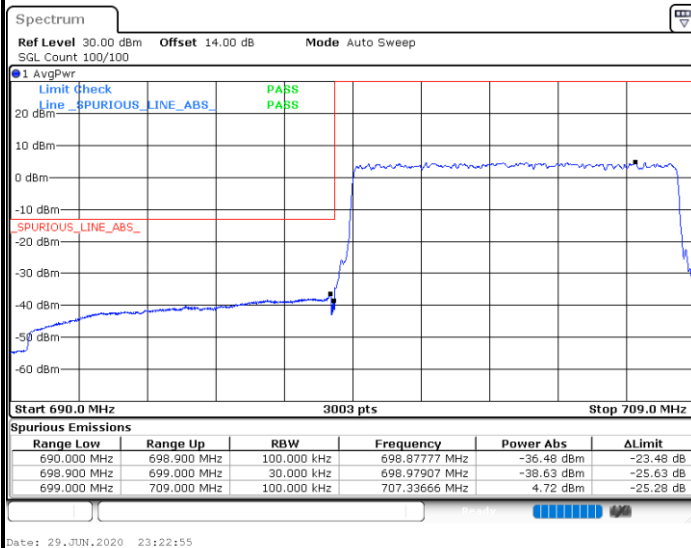
Lowest Band Edge / 1 RB



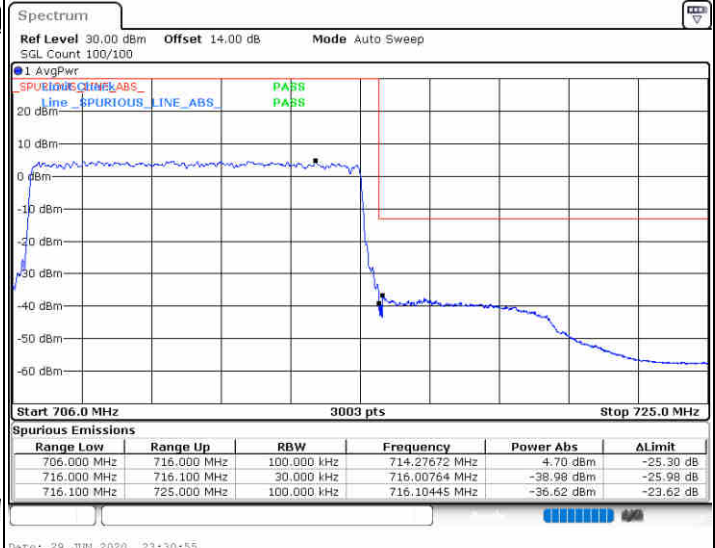
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



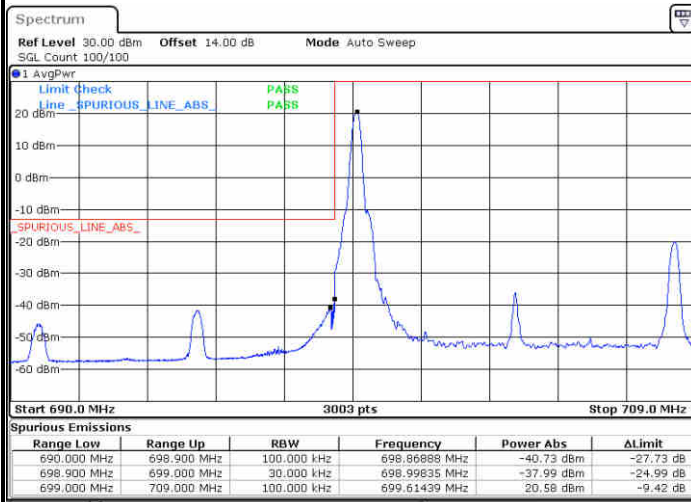
Highest Band Edge / Full RB



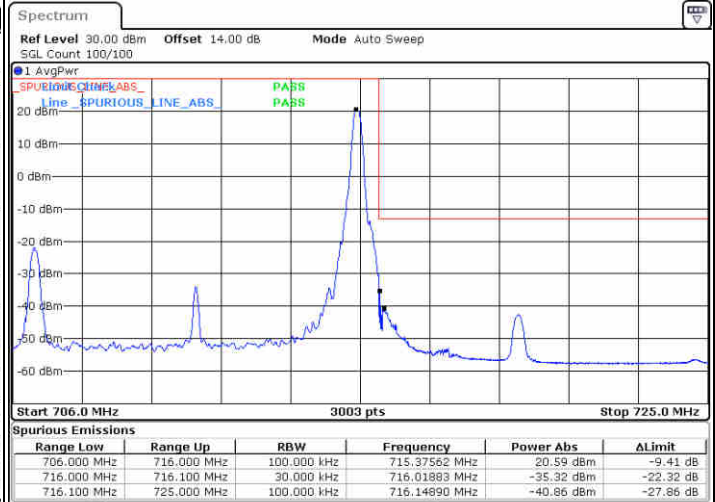


LTE Band 12 / 10MHz / 16QAM

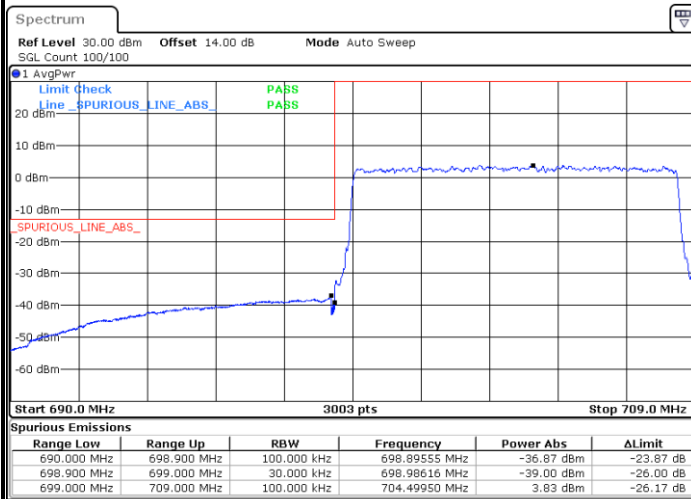
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



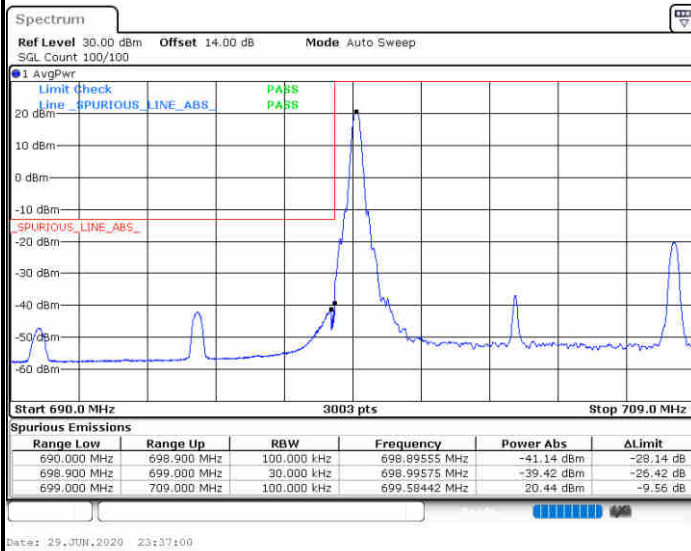
Highest Band Edge / Full RB



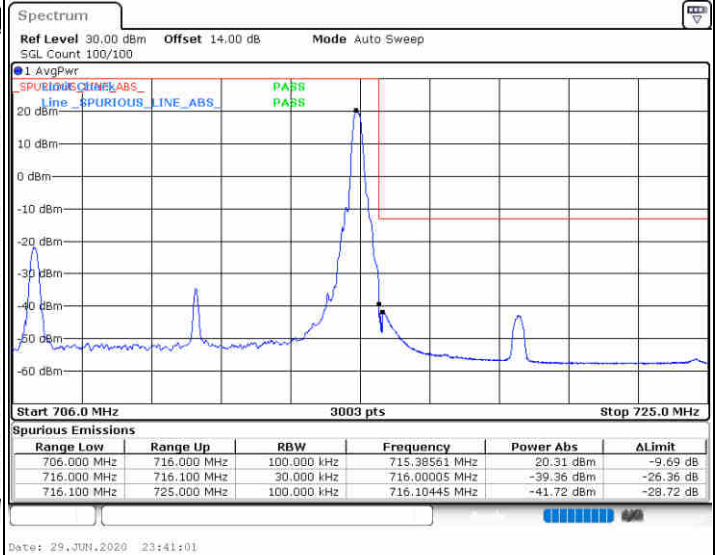


LTE Band 12 / 10MHz / 64QAM

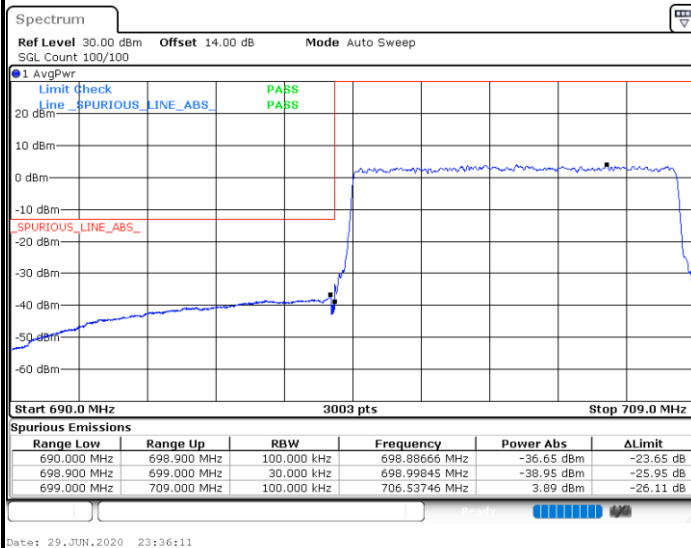
Lowest Band Edge / 1 RB



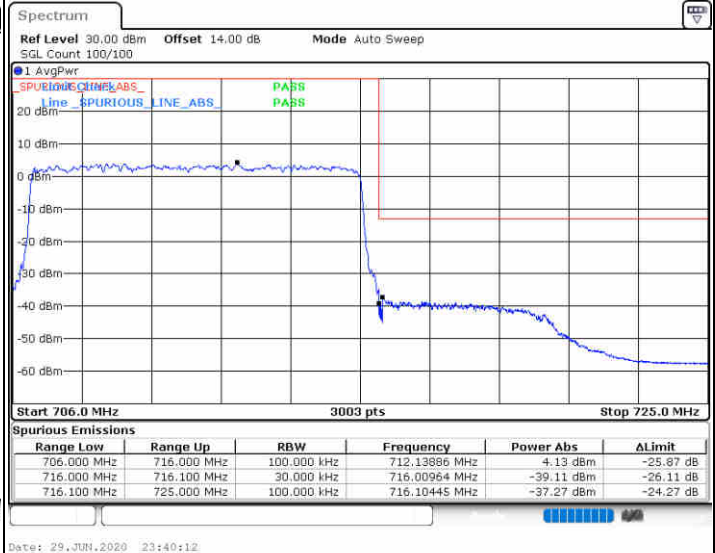
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

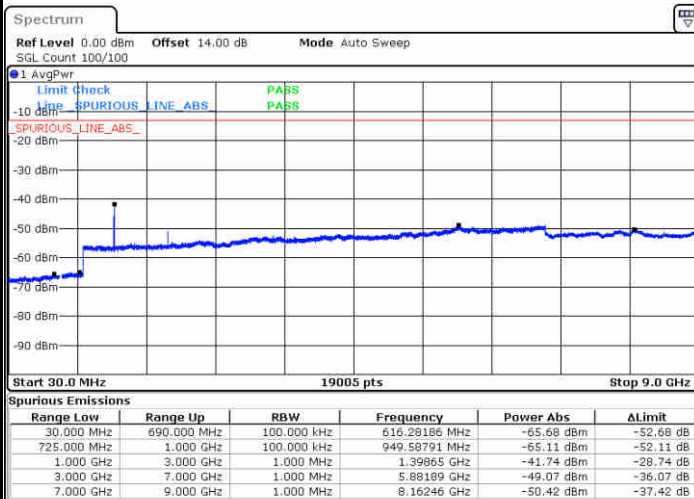




Conducted Spurious Emission

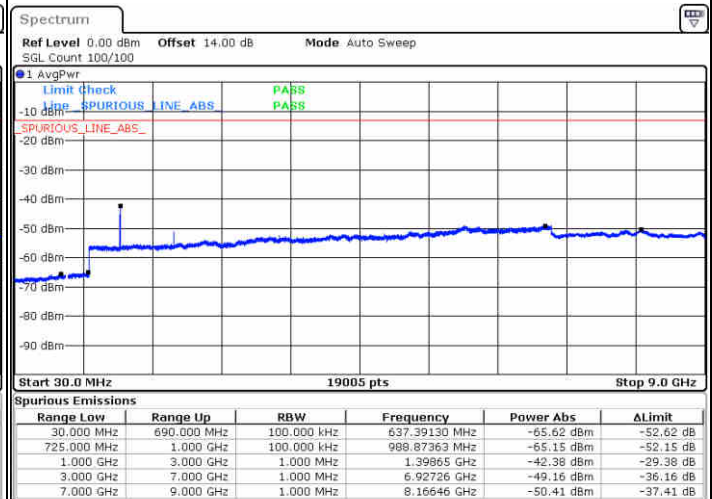
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



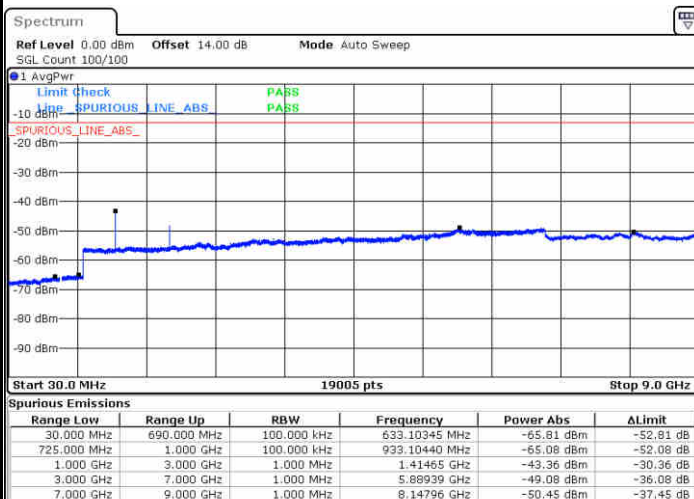
Date: 29 JUN 2020 23:46:40

Lowest Channel / 16QAM



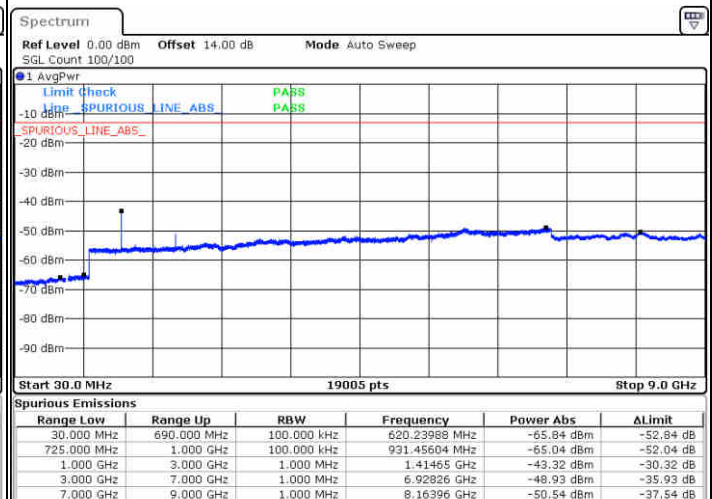
Date: 29 JUN 2020 23:47:29

Middle Channel / QPSK



Date: 29 JUN 2020 23:49:51

Middle Channel / 16QAM

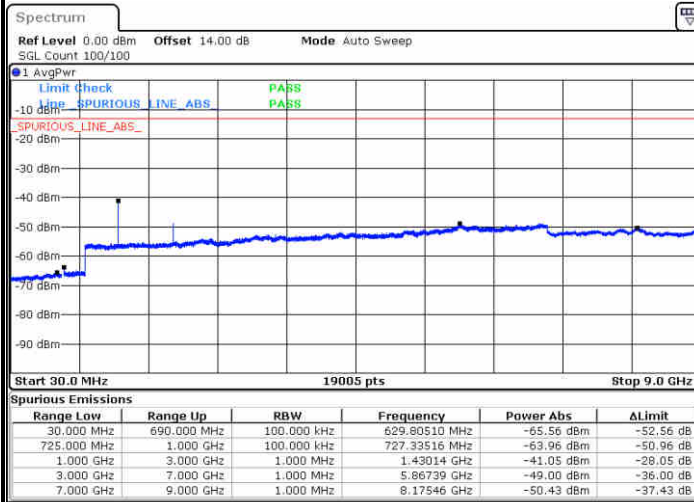


Date: 29 JUN 2020 23:49:02



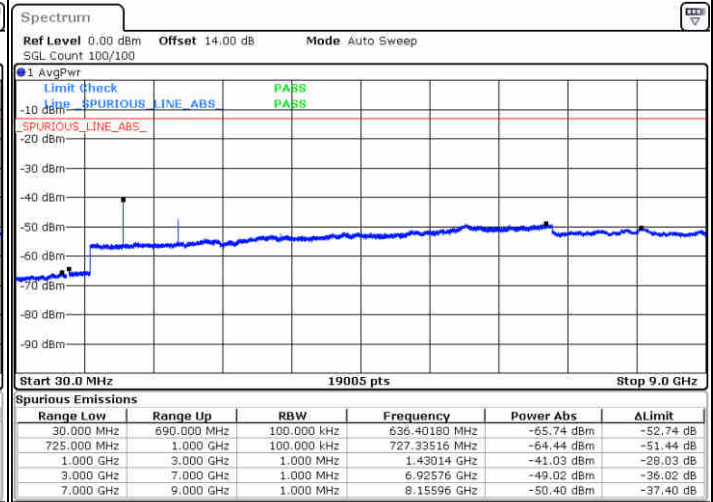
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 29.JUN.2020 23:54:10

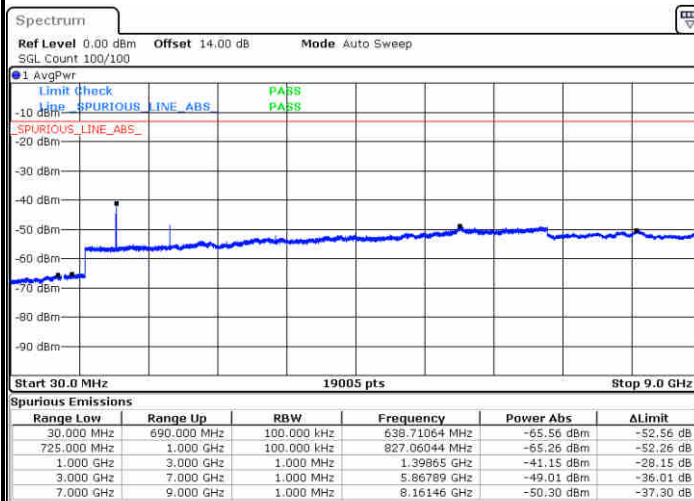
Highest Channel / 16QAM



Date: 29.JUN.2020 23:55:29

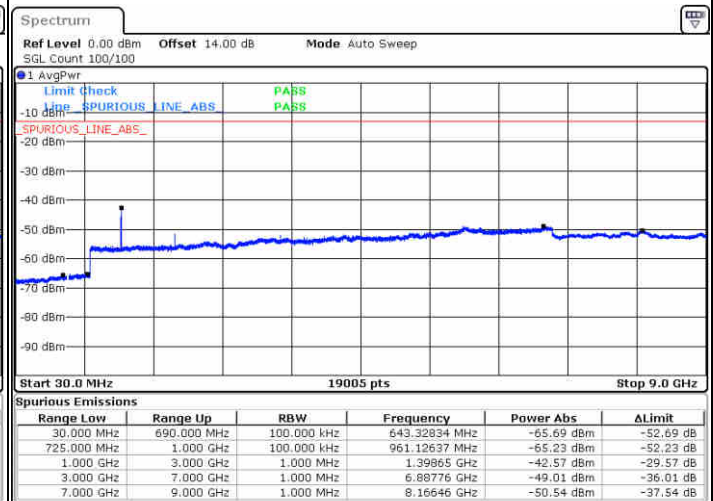
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 29.JUN.2020 22:45:14

Lowest Channel / 16QAM

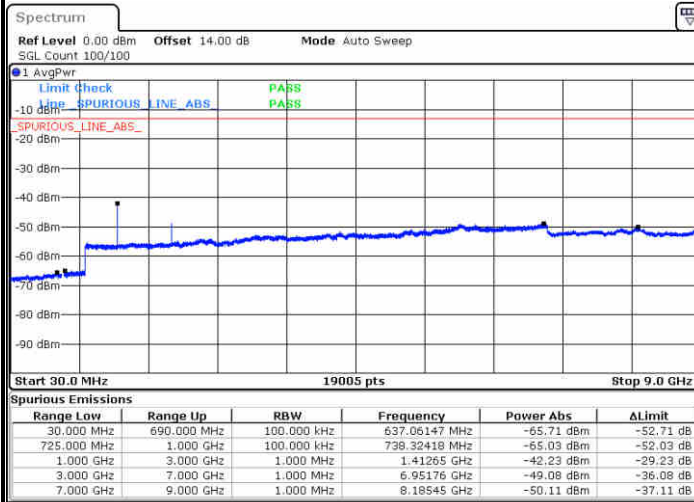


Date: 29.JUN.2020 22:46:03



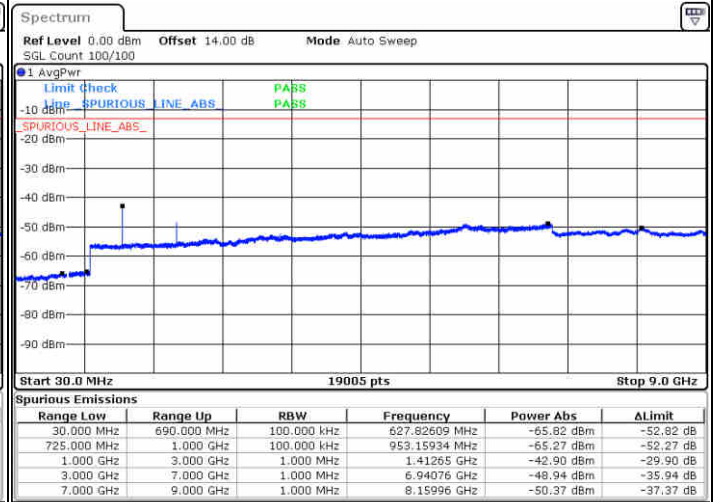
LTE Band 12 / 3MHz

Middle Channel / QPSK



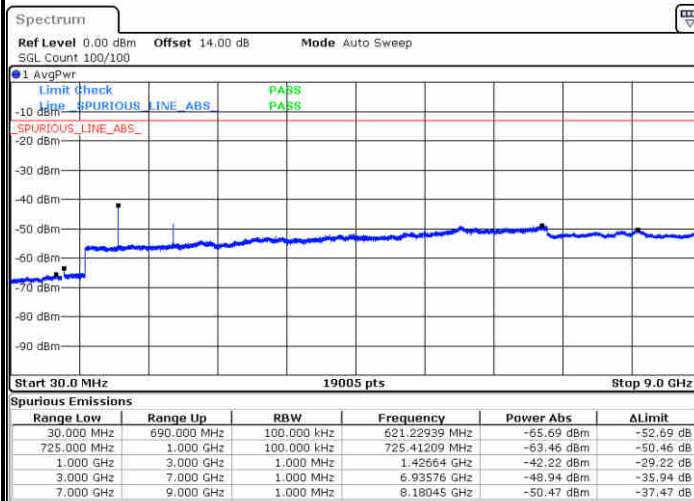
Date: 29 JUN 2020 22:48:25

Middle Channel / 16QAM



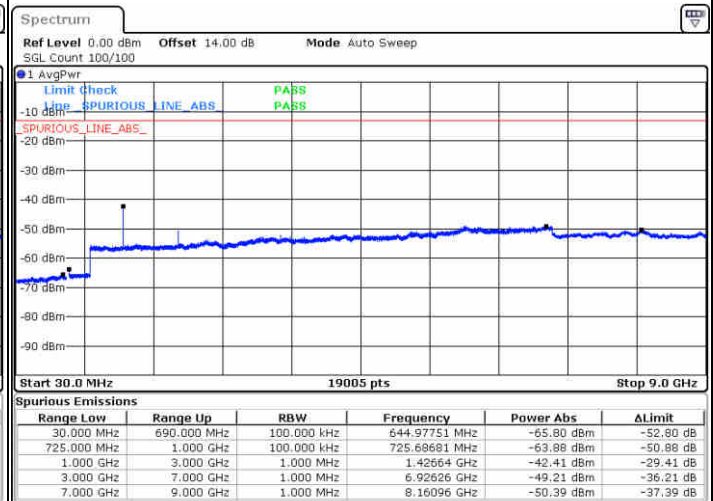
Date: 29 JUN 2020 22:47:36

Highest Channel / QPSK



Date: 29 JUN 2020 22:53:15

Highest Channel / 16QAM

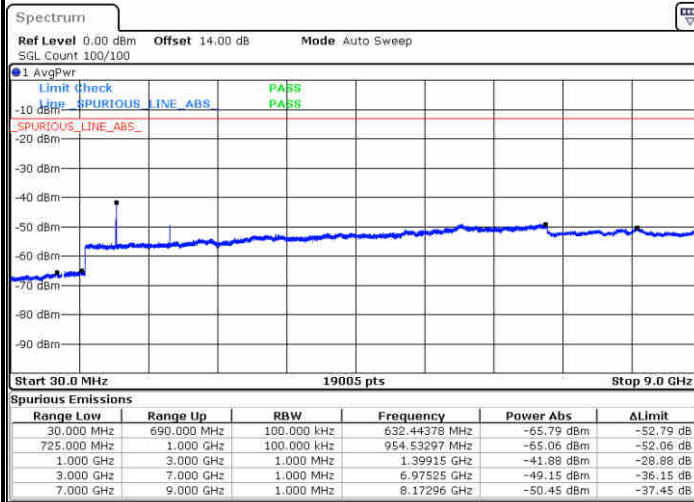


Date: 29 JUN 2020 22:54:04



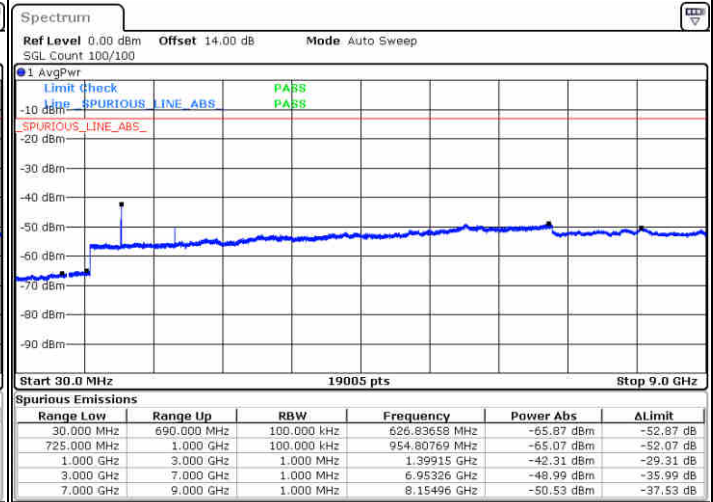
LTE Band 12 / 5MHz

Lowest Channel / QPSK



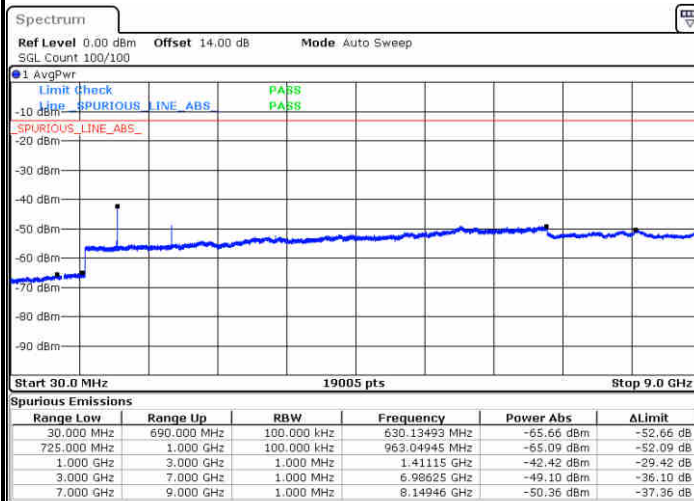
Date: 29 JUN 2020 23:12:32

Lowest Channel / 16QAM



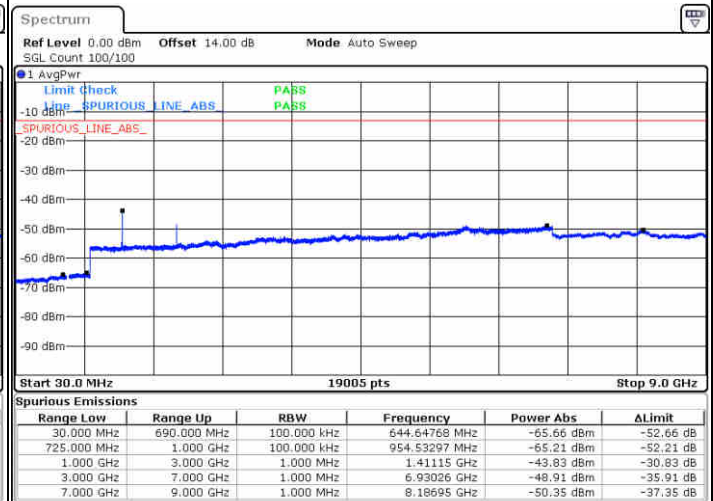
Date: 29 JUN 2020 23:13:21

Middle Channel / QPSK



Date: 29 JUN 2020 23:15:44

Middle Channel / 16QAM

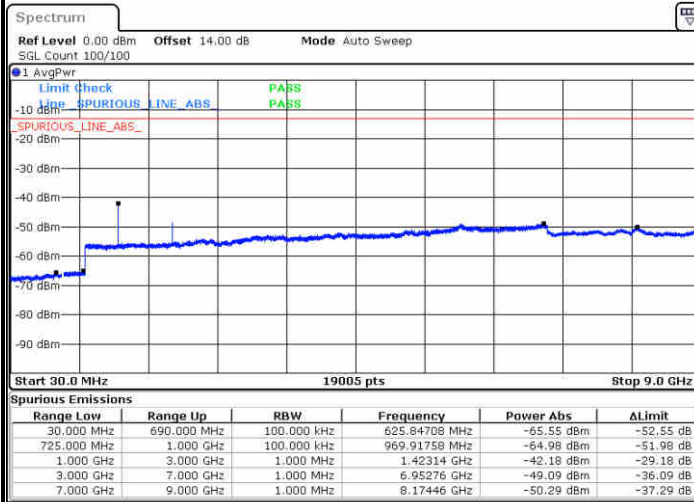


Date: 29 JUN 2020 23:14:55



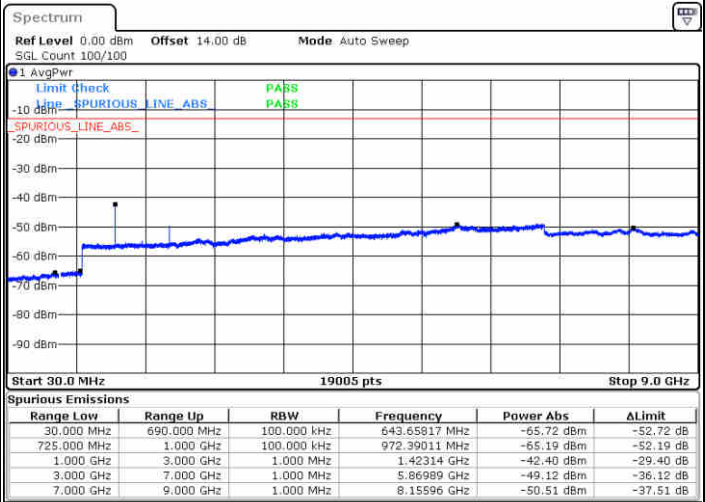
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 29.JUN.2020 23:21:22

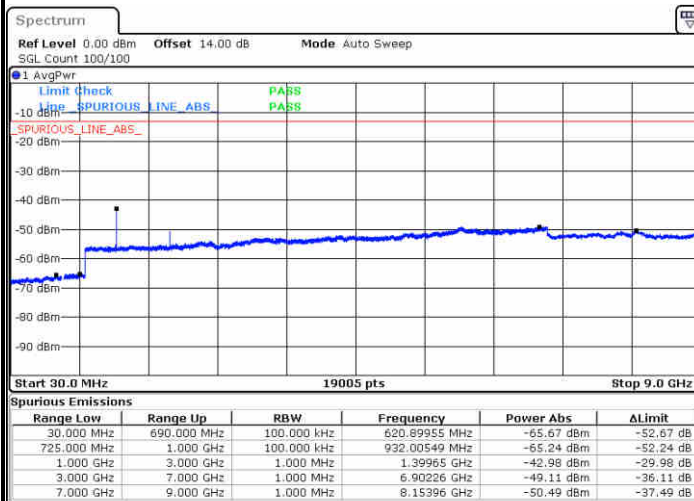
Highest Channel / 16QAM



Date: 29.JUN.2020 23:20:33

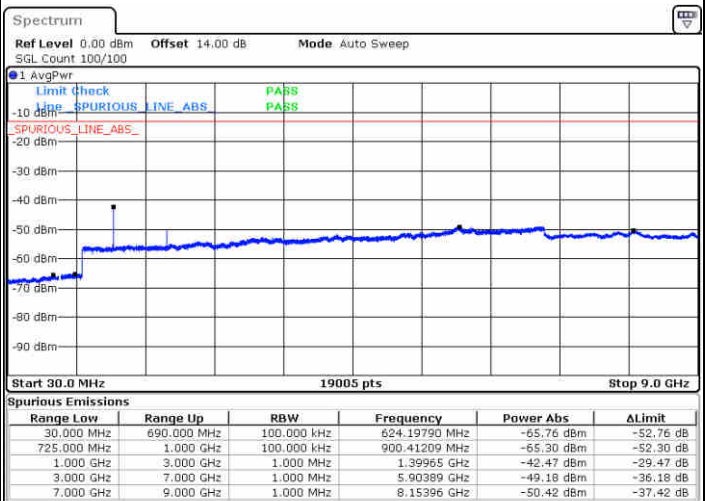
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 29.JUN.2020 23:26:11

Lowest Channel / 16QAM

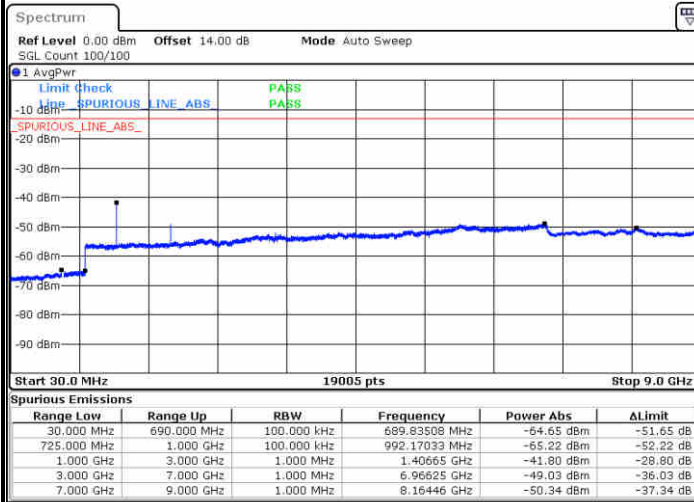


Date: 29.JUN.2020 23:27:00



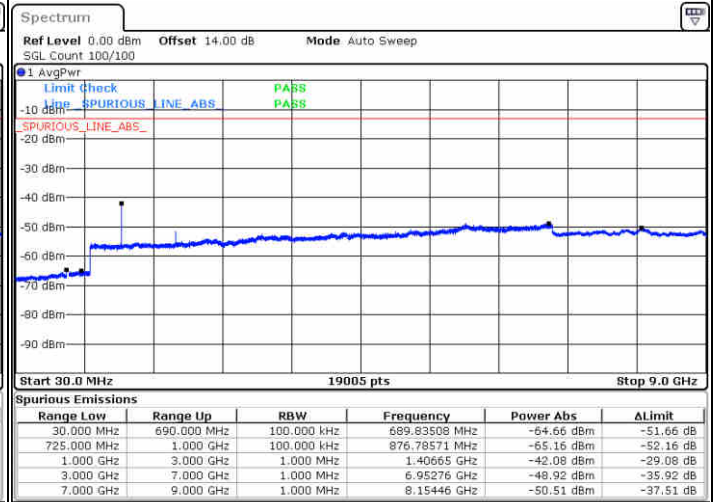
LTE Band 12 / 10MHz

Middle Channel / QPSK



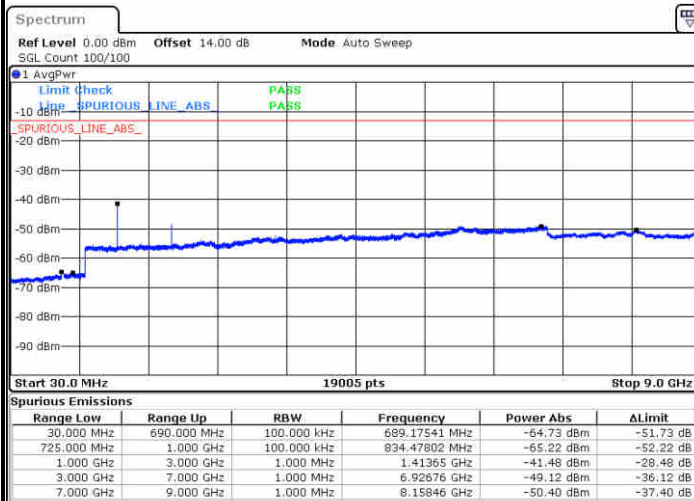
Date: 29 JUN 2020 23:29:23

Middle Channel / 16QAM



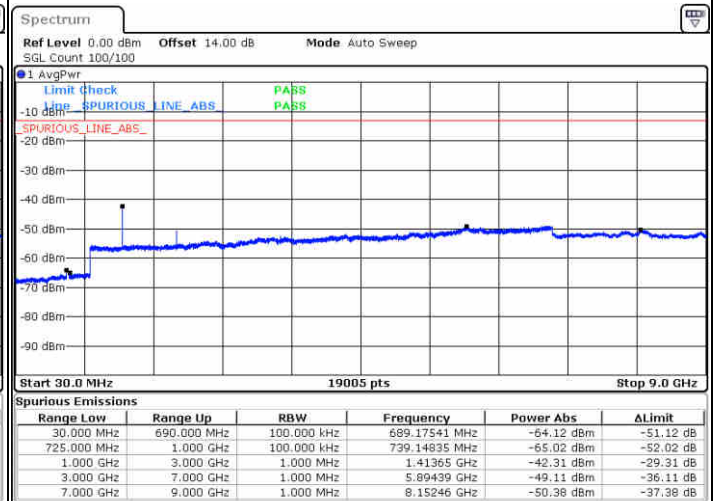
Date: 29 JUN 2020 23:28:33

Highest Channel / QPSK



Date: 29 JUN 2020 23:34:12

Highest Channel / 16QAM

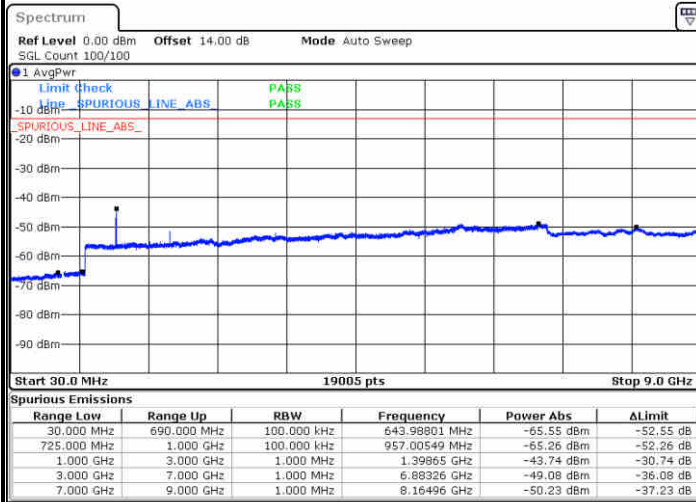


Date: 29 JUN 2020 23:35:01



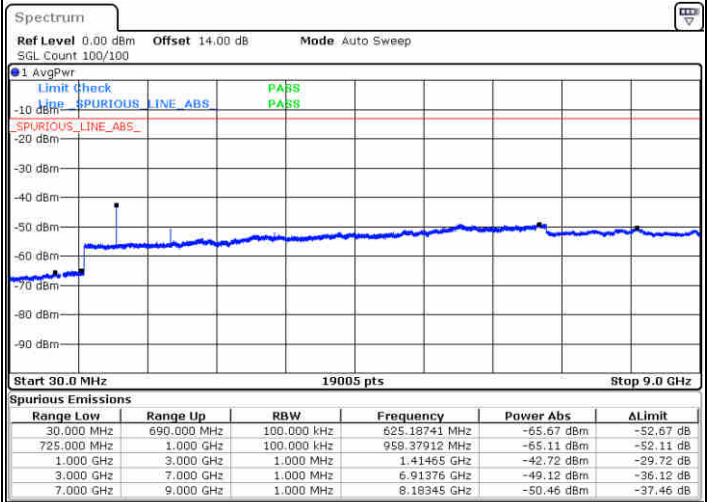
LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM



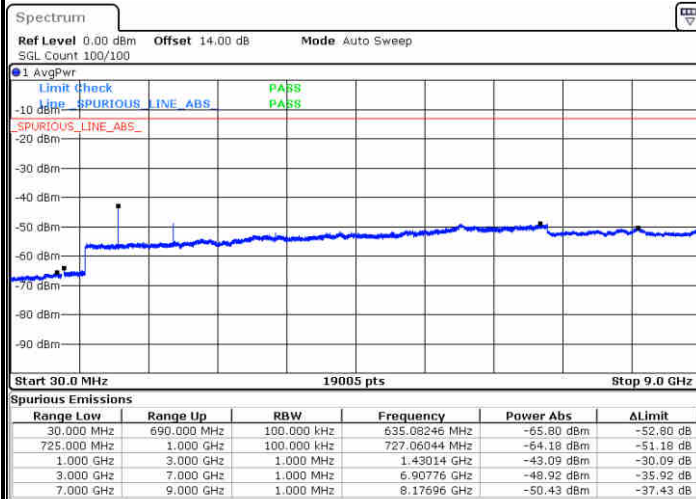
Date: 29 JUN 2020 23:58:19

Middle Channel / 64QAM



Date: 29 JUN 2020 23:59:30

Highest Channel / 64QAM

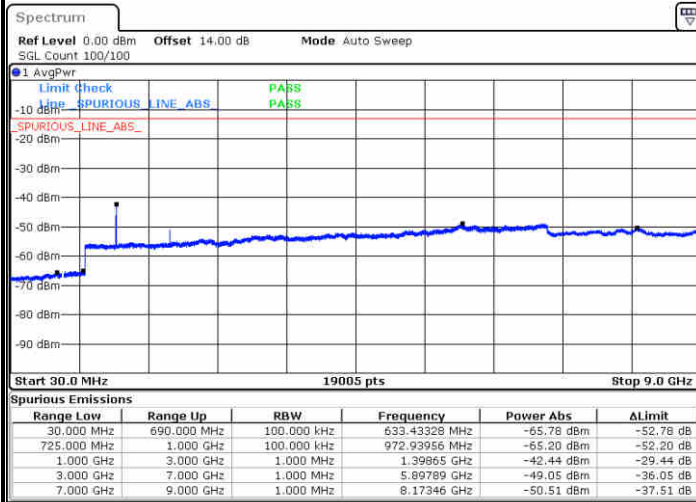


Date: 30 JUN 2020 00:02:19



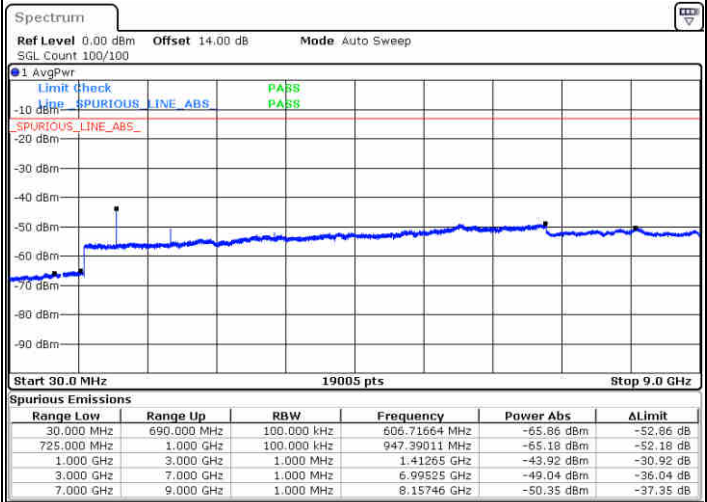
LTE Band 12 / 3MHz

Lowest Channel / 64QAM



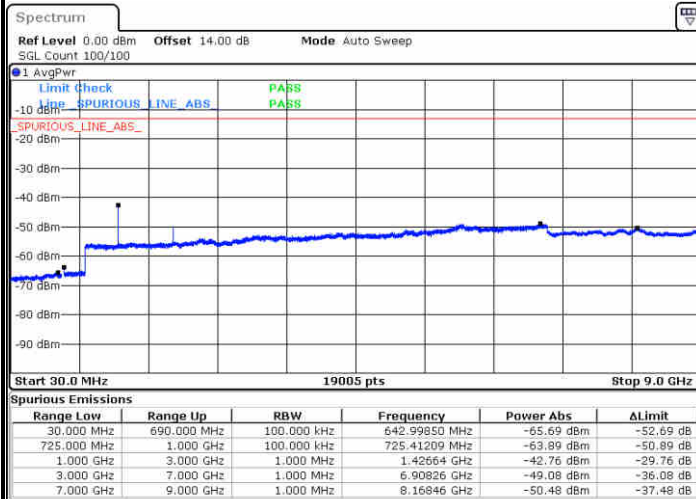
Date: 29 JUN 2020 22:56:53

Middle Channel / 64QAM



Date: 29 JUN 2020 22:58:04

Highest Channel / 64QAM

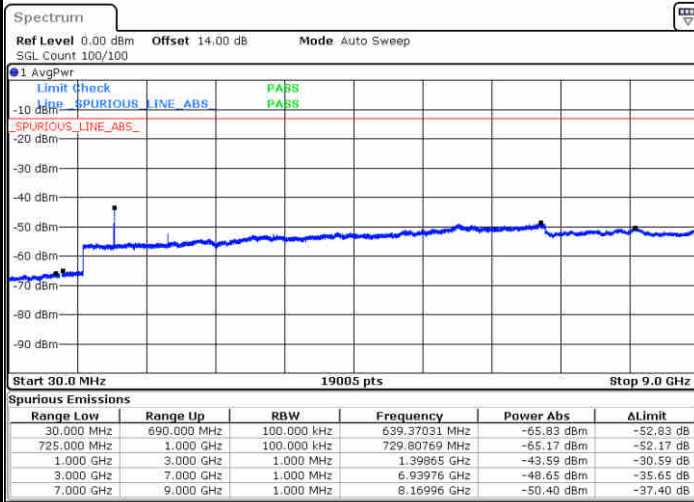


Date: 29 JUN 2020 23:00:54



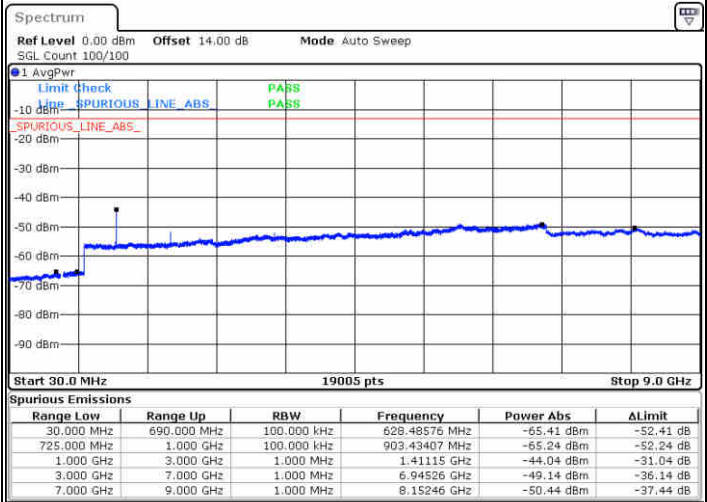
LTE Band 12 / 5MHz

Lowest Channel / 64QAM



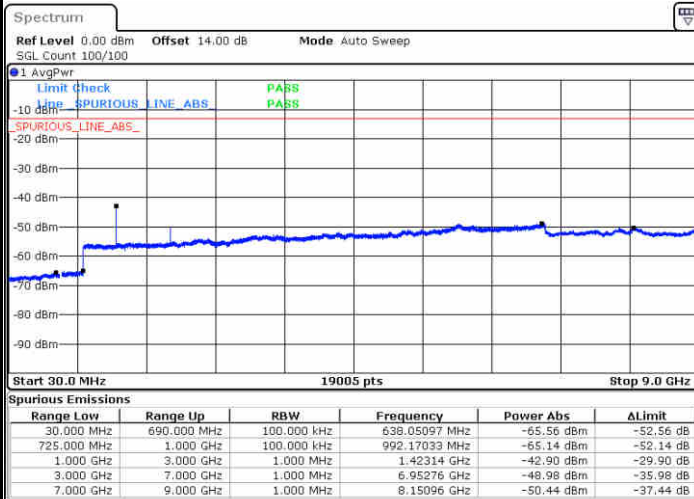
Date: 29 JUN 2020 23:03:43

Middle Channel / 64QAM



Date: 29 JUN 2020 23:04:54

Highest Channel / 64QAM

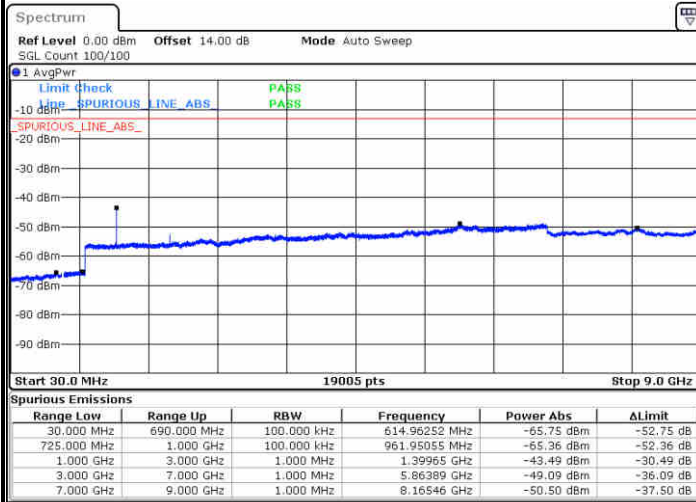


Date: 29 JUN 2020 23:07:43



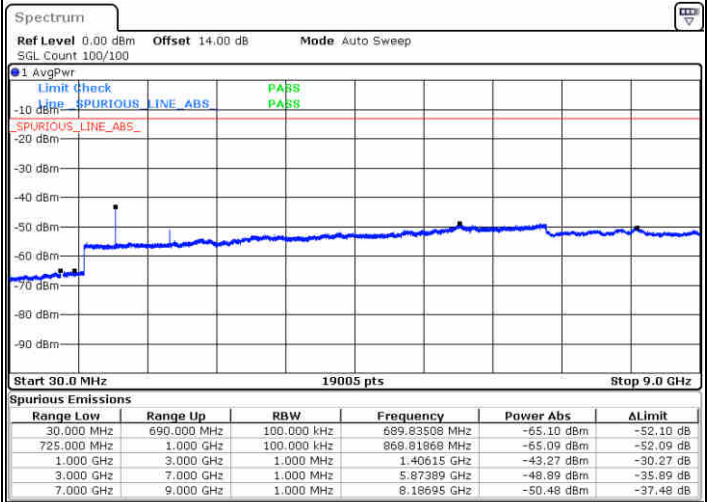
LTE Band 12 / 10MHz

Lowest Channel / 64QAM



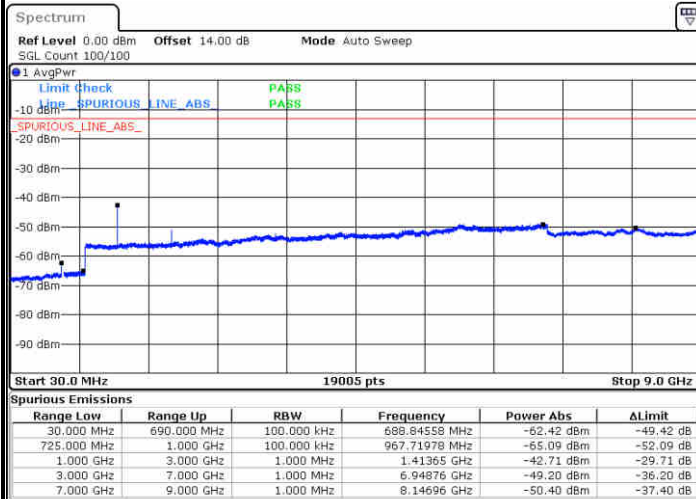
Date: 29 JUN 2020 23:37:50

Middle Channel / 64QAM



Date: 29 JUN 2020 23:39:01

Highest Channel / 64QAM



Date: 29 JUN 2020 23:41:51

**Frequency Stability**

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

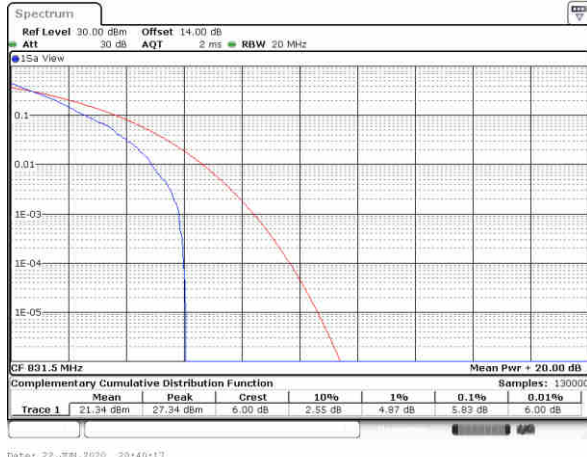
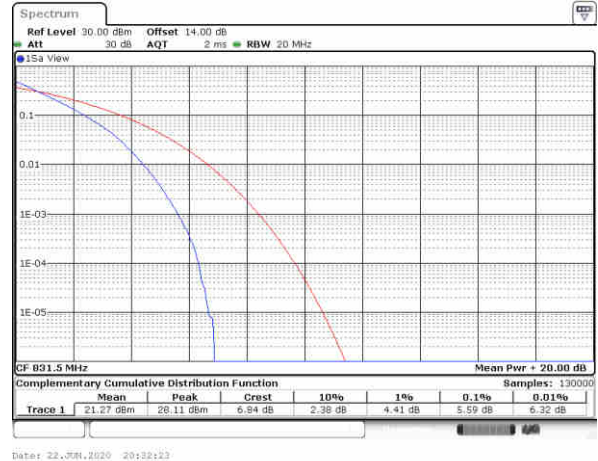
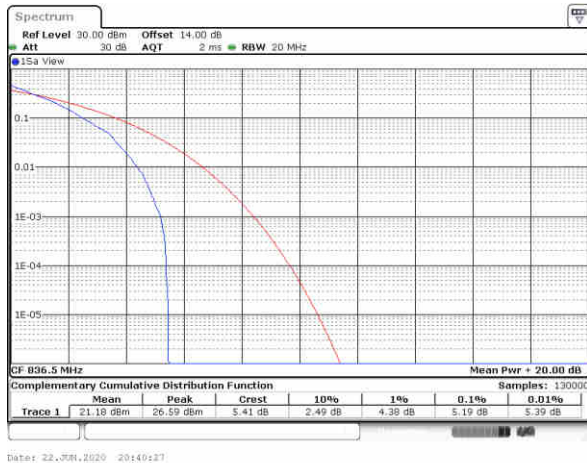
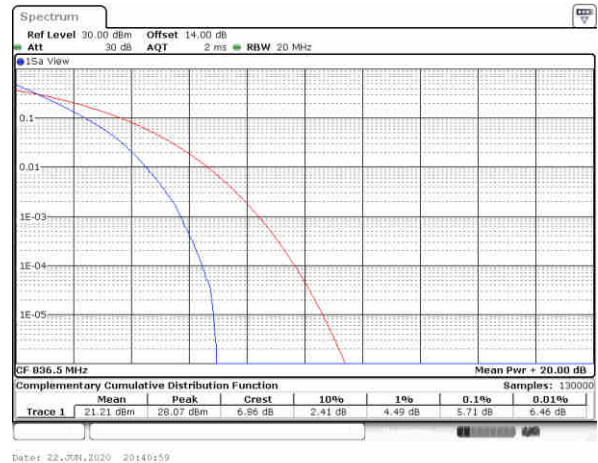
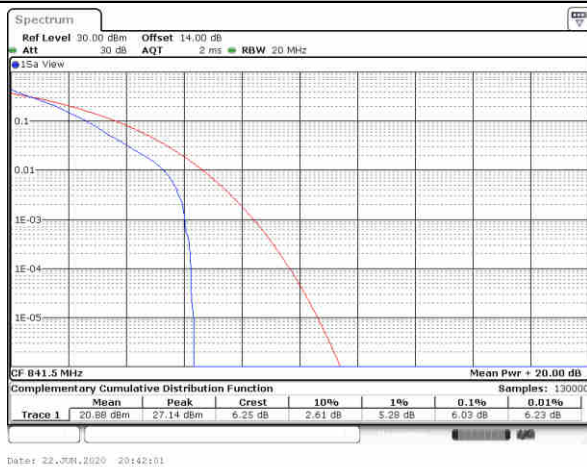
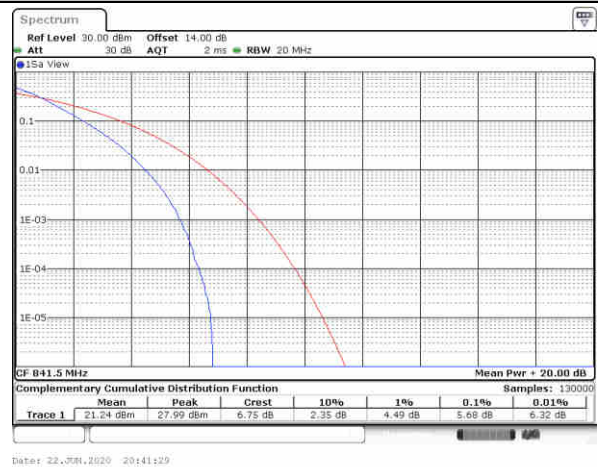
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26

Peak-to-Average Ratio

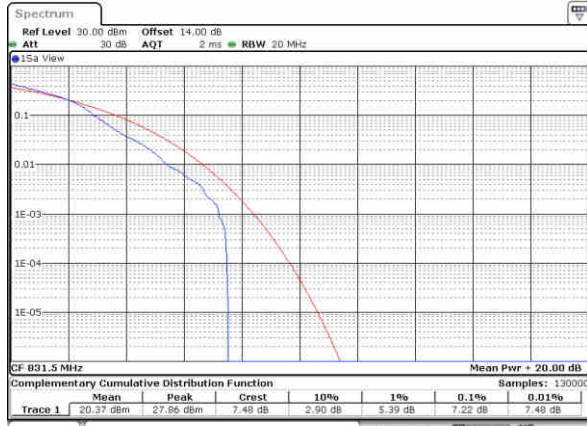
Mode	LTE Band 26 / 15MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.83	5.59	7.22	6.29	PASS
Middle CH	5.19	5.71	6.81	6.32	
Highest CH	6.03	5.68	6.93	6.35	
Mode	LTE Band 26 / 15MHz				
Mod.	64QAM		-		Limit: 13dB
RB Size	1RB	Full RB	-	-	Result
Lowest CH	6.23	6.52	-	-	PASS
Middle CH	7.28	6.58	-	-	
Highest CH	7.39	6.46	-	-	

LTE Band 26 / 15MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


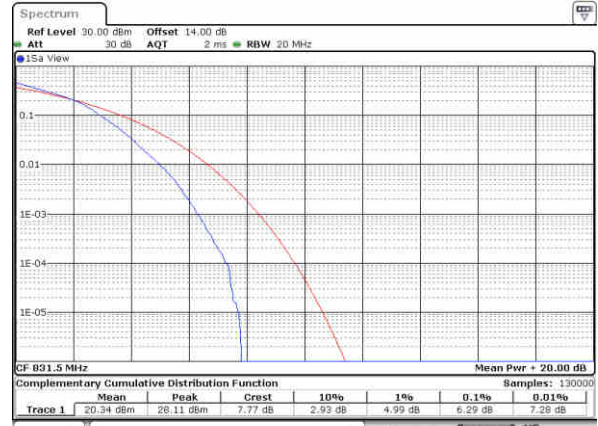


LTE Band 26 / 15MHz / 16QAM

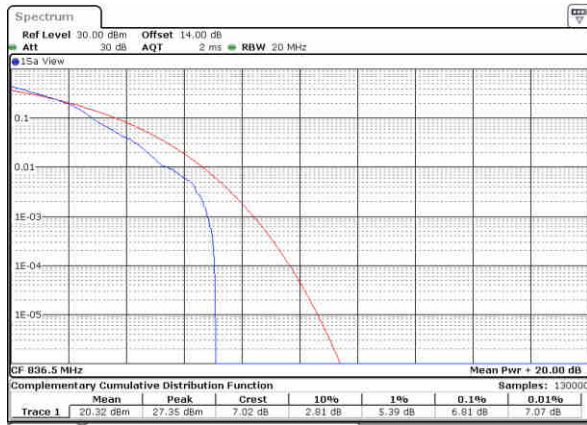
Lowest Channel / 1RB



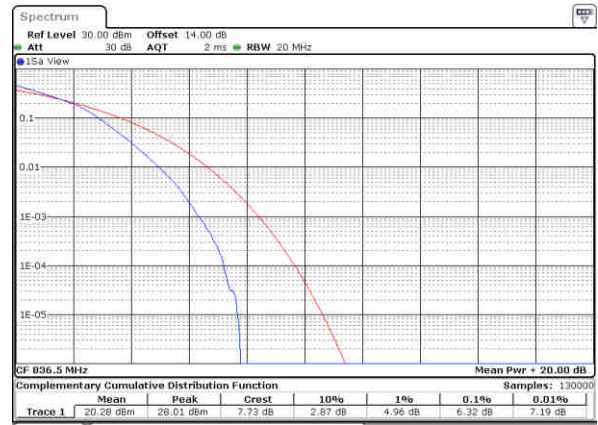
Lowest Channel / Full RB



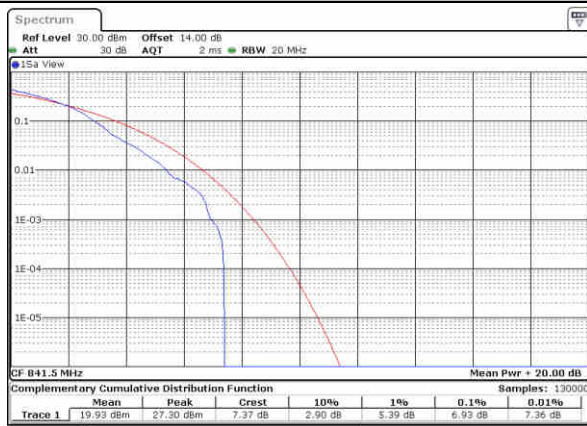
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



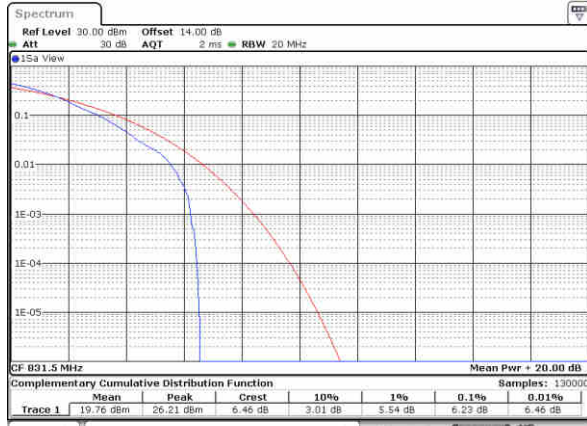
Highest Channel / Full RB



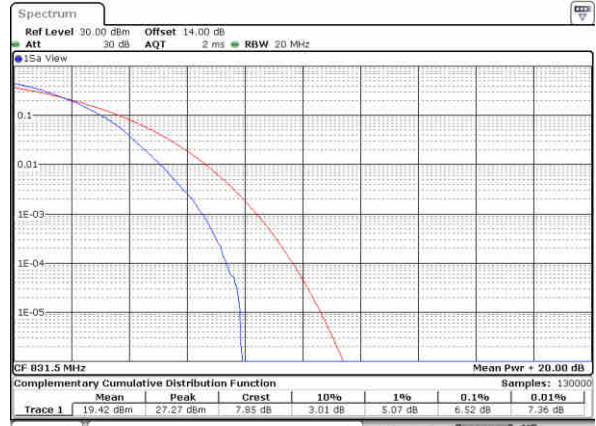


LTE Band 26 / 15MHz / 64QAM

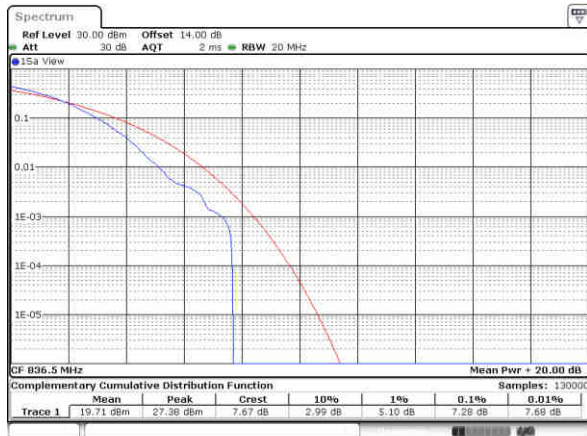
Lowest Channel / 1RB



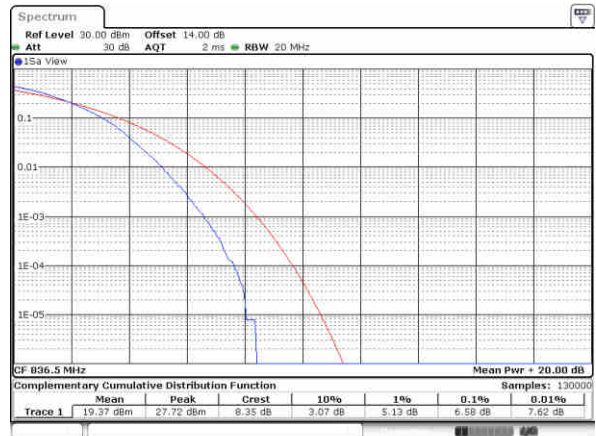
Lowest Channel / Full RB



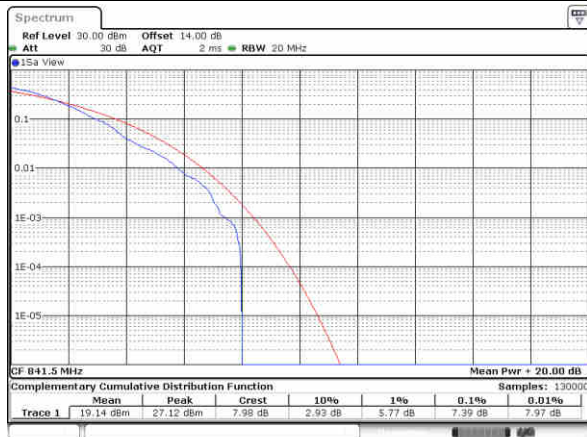
Middle Channel / 1RB



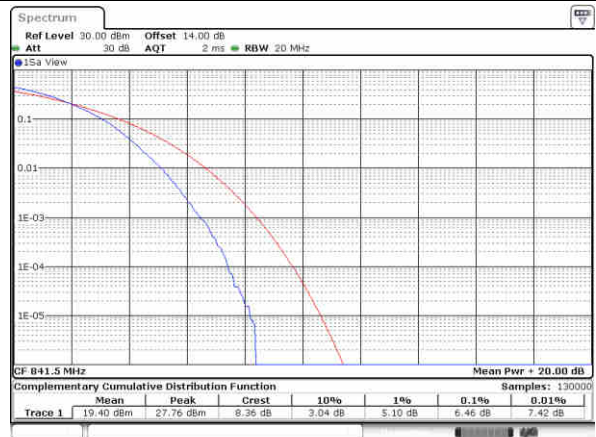
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



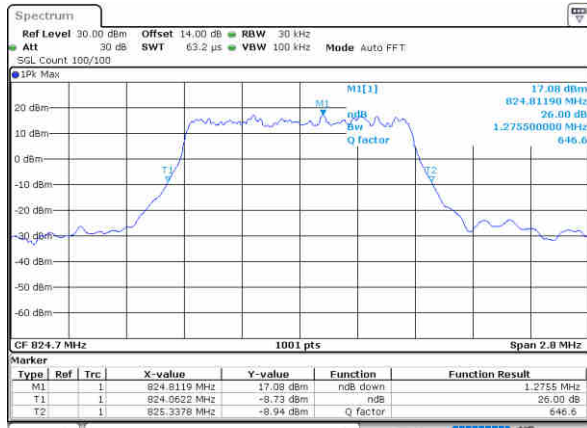
**26dB Bandwidth**

Mode	LTE Band 26 : 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	1.28	1.28	3.02	2.97	4.97	4.85	9.75	9.69	14.42	14.42	-	-
Middle CH	1.29	1.27	3.04	3.03	4.87	4.91	9.63	9.71	14.48	14.57	-	-
Highest CH	1.24	1.26	3.01	3.03	4.82	4.89	9.69	9.83	14.24	14.54	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.30	-	3.00	-	4.92	-	9.79	-	14.27	-	-	-
Middle CH	1.28	-	3.04	-	4.93	-	9.87	-	14.42	-	-	-
Highest CH	1.26	-	3.00	-	4.86	-	9.93	-	14.30	-	-	-

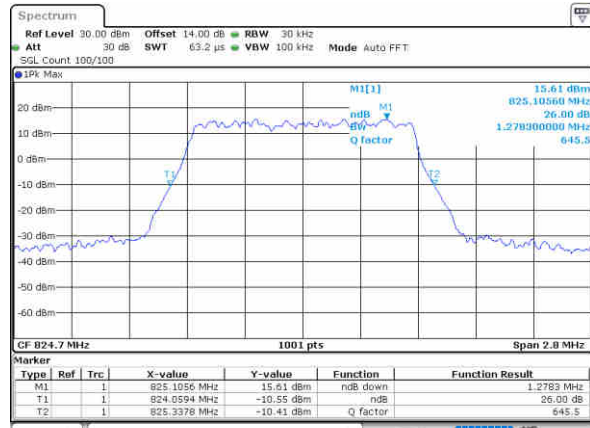


LTE Band 26

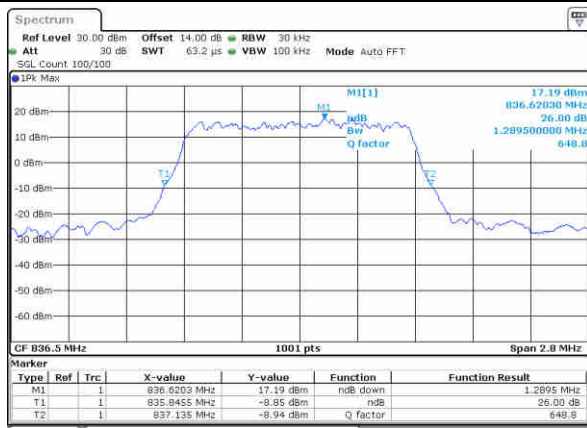
Lowest Channel / 1.4MHz / QPSK



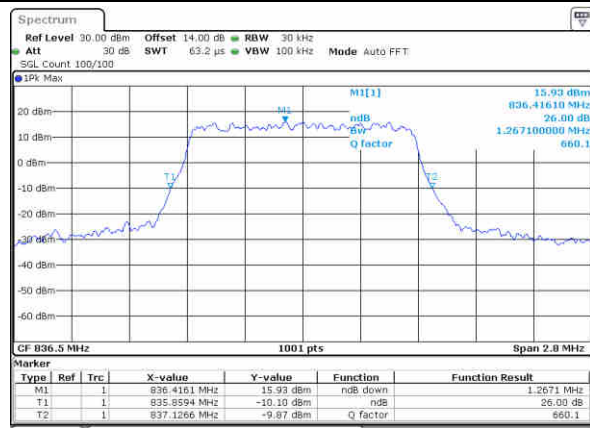
Lowest Channel / 1.4MHz / 16QAM



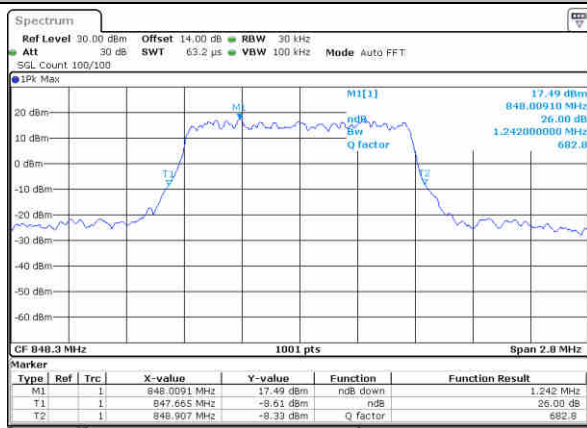
Middle Channel / 1.4MHz / QPSK



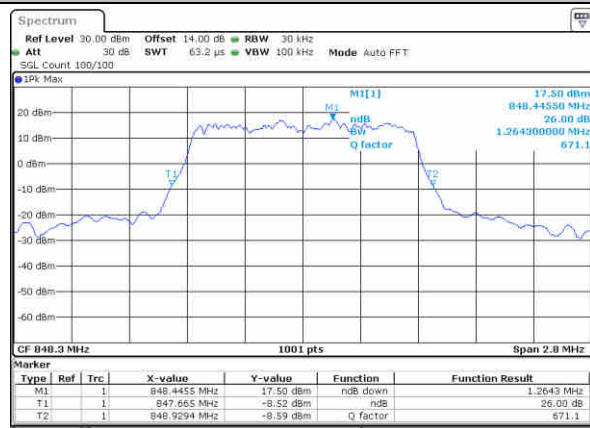
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



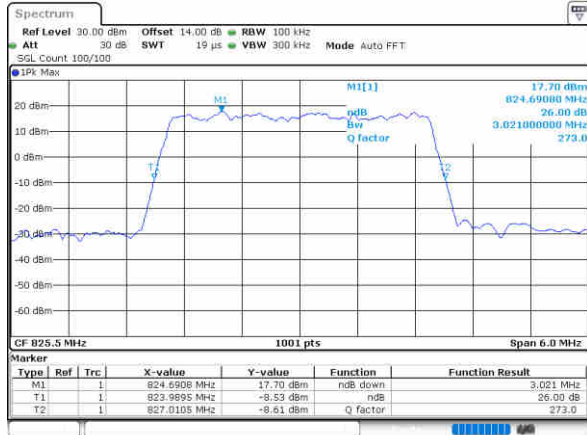
Highest Channel / 1.4MHz / 16QAM



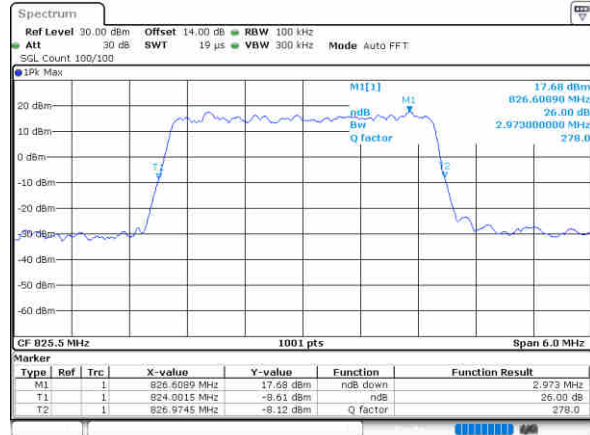


LTE Band 26

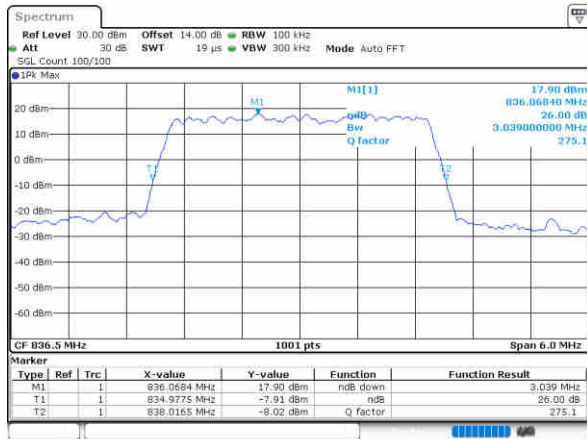
Lowest Channel / 3MHz / QPSK



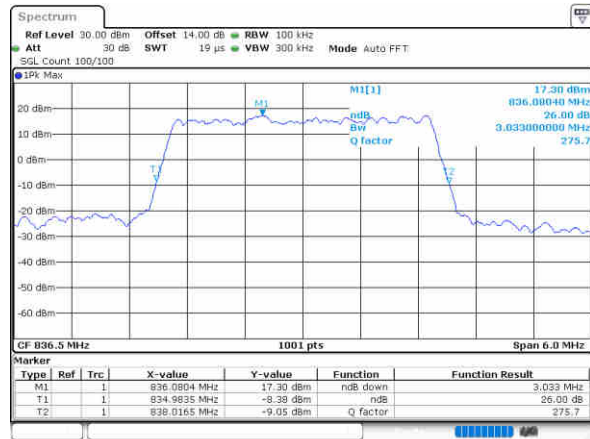
Lowest Channel / 3MHz / 16QAM



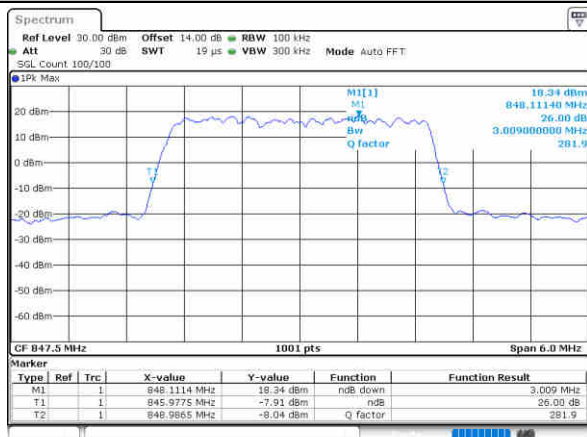
Middle Channel / 3MHz / QPSK



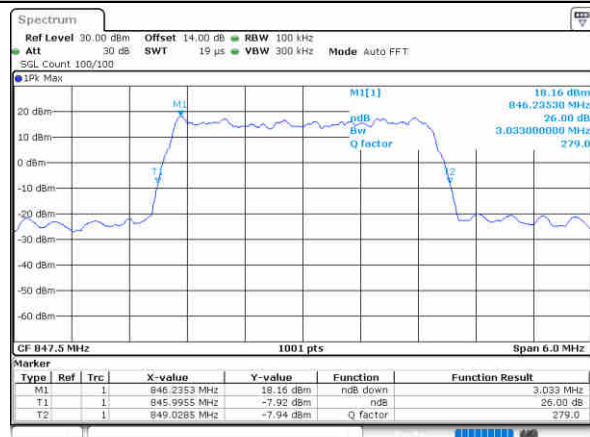
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



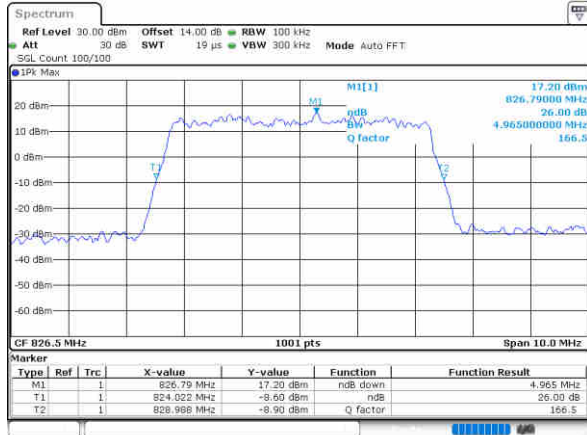
Highest Channel / 3MHz / 16QAM



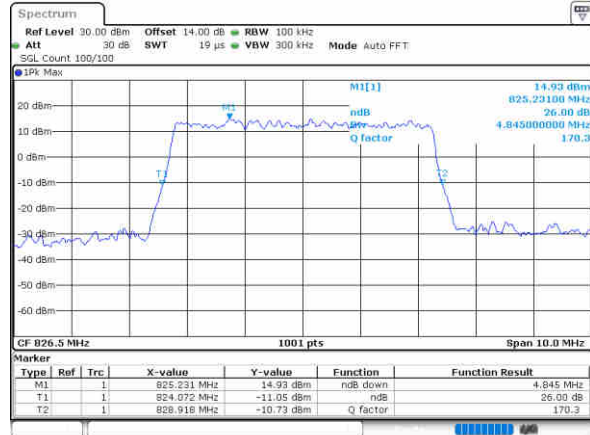


LTE Band 26

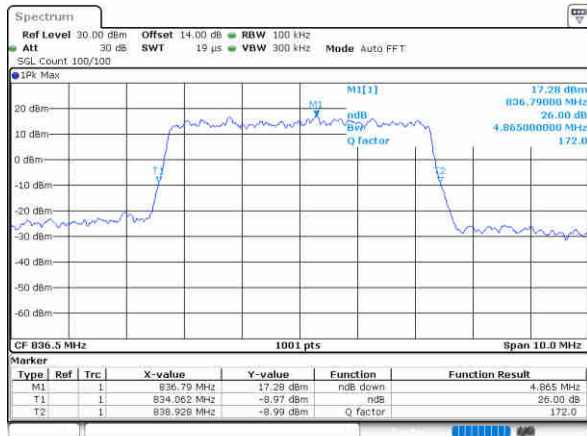
Lowest Channel / 5MHz / QPSK



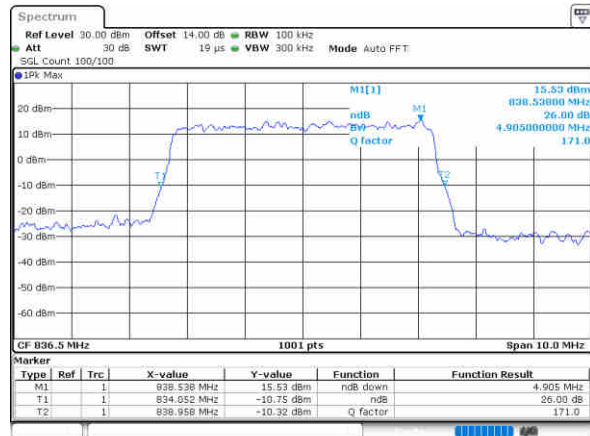
Lowest Channel / 5MHz / 16QAM



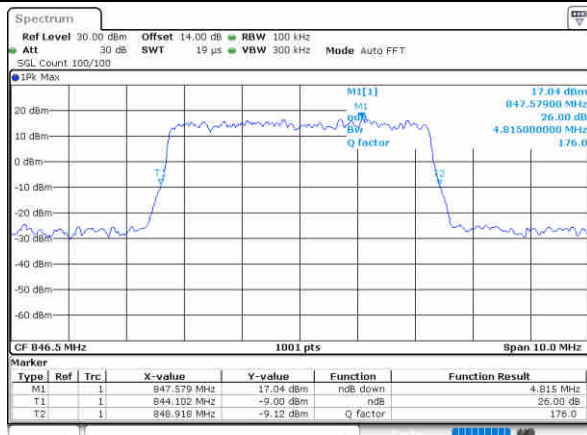
Middle Channel / 5MHz / QPSK



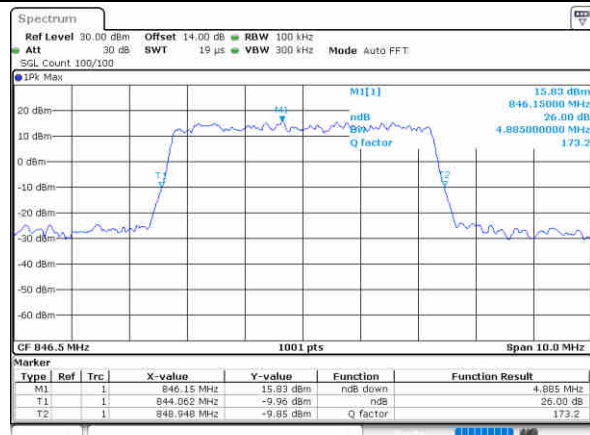
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



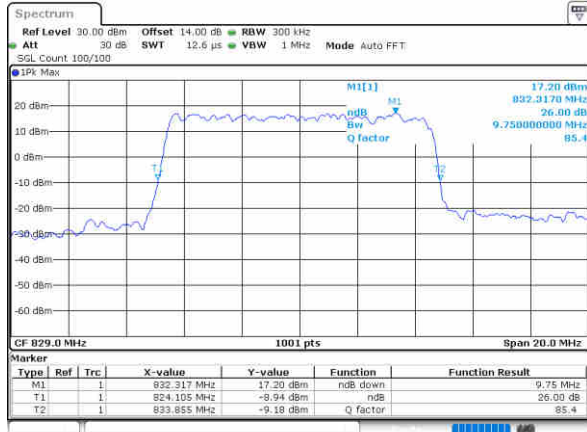
Highest Channel / 5MHz / 16QAM



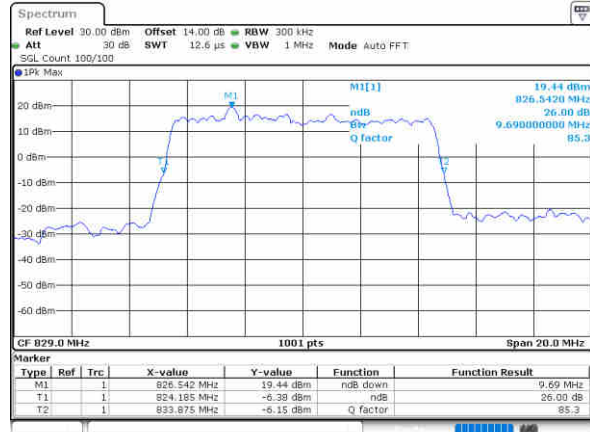


LTE Band 26

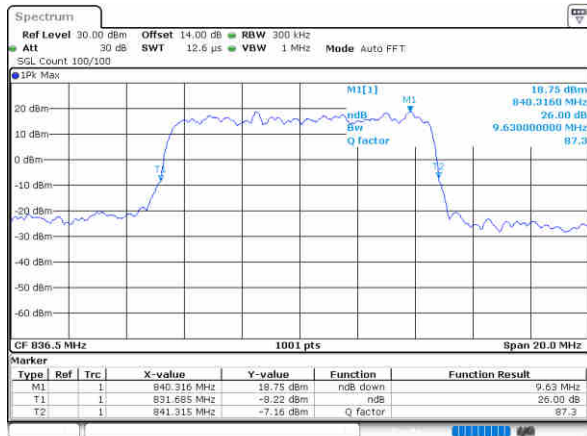
Lowest Channel / 10MHz / QPSK



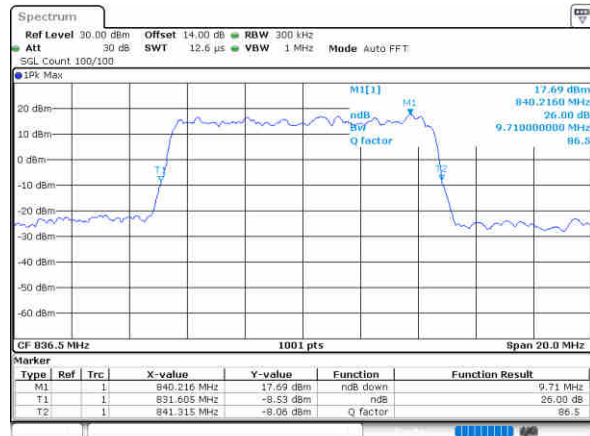
Lowest Channel / 10MHz / 16QAM



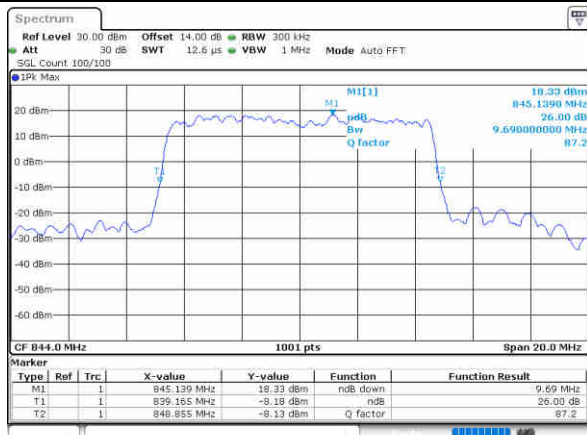
Middle Channel / 10MHz / QPSK



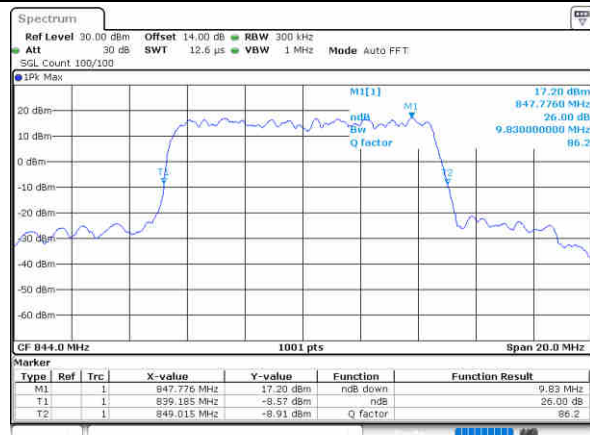
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



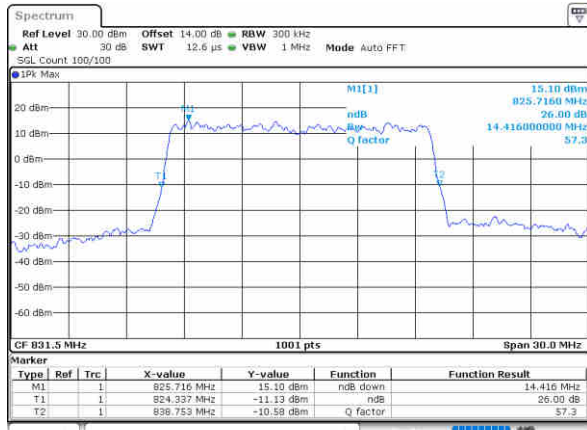
Highest Channel / 10MHz / 16QAM





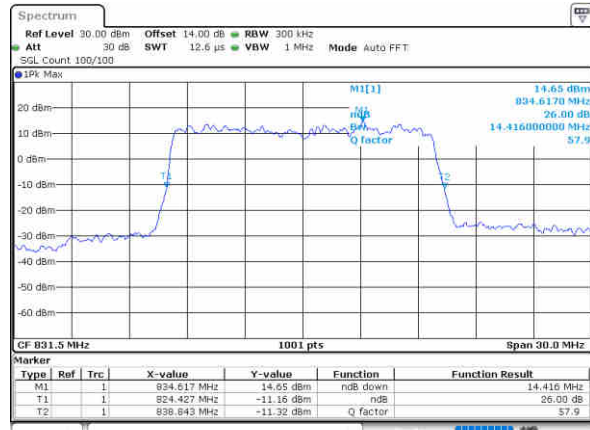
LTE Band 26

Lowest Channel / 15MHz / QPSK



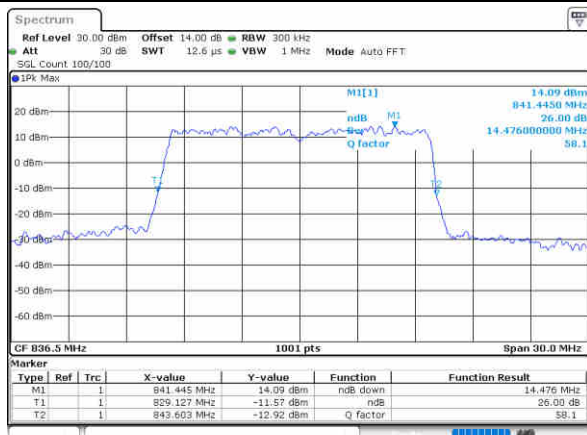
Date: 22-JUN-2020 20:01:29

Lowest Channel / 15MHz / 16QAM



Date: 22-JUN-2020 20:01:19

Middle Channel / 15MHz / QPSK



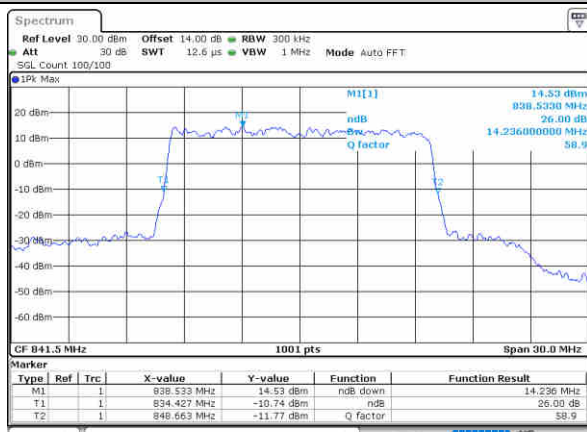
Date: 22-JUN-2020 20:01:38

Middle Channel / 15MHz / 16QAM



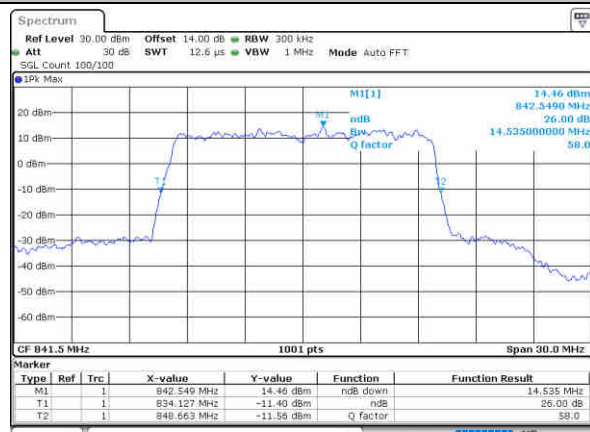
Date: 22-JUN-2020 20:01:27

Highest Channel / 15MHz / QPSK



Date: 22-JUN-2020 20:01:10

Highest Channel / 15MHz / 16QAM

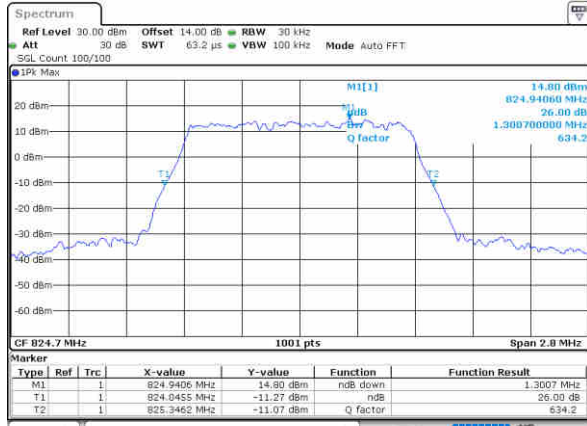


Date: 22-JUN-2020 20:01:59



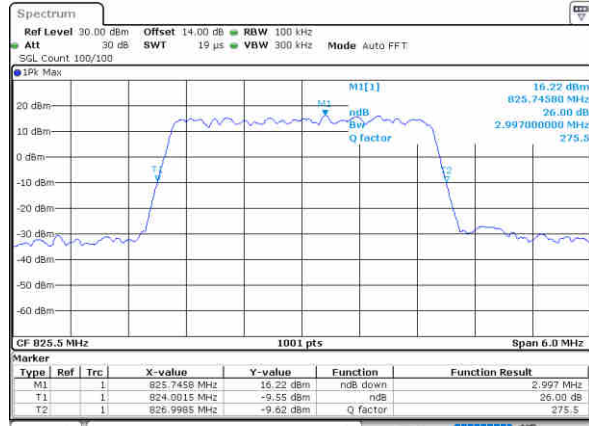
LTE Band 26

Lowest Channel / 1.4MHz / 64QAM



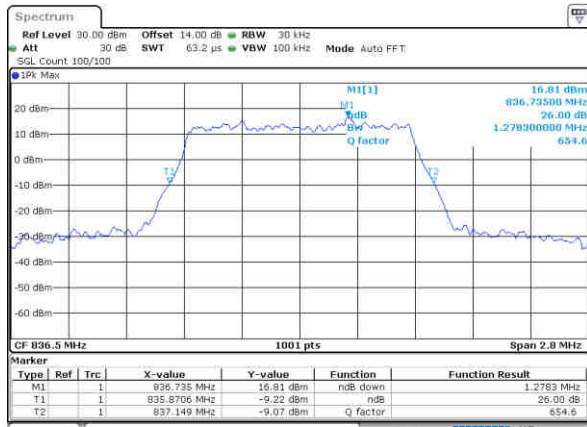
Date: 22-JUN-2020 18:45:46

Lowest Channel / 3MHz / 64QAM



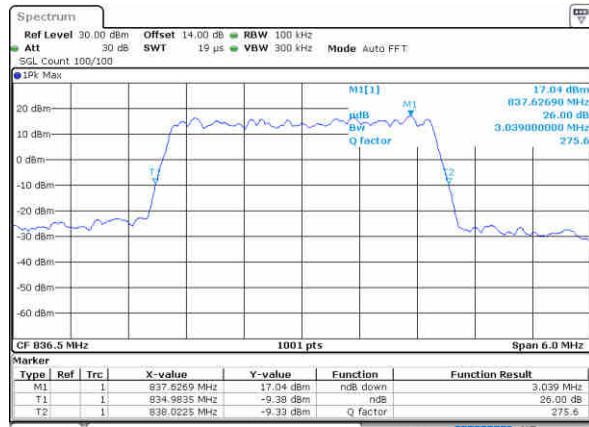
Date: 22-JUN-2020 18:46:52

Middle Channel / 1.4MHz / 64QAM



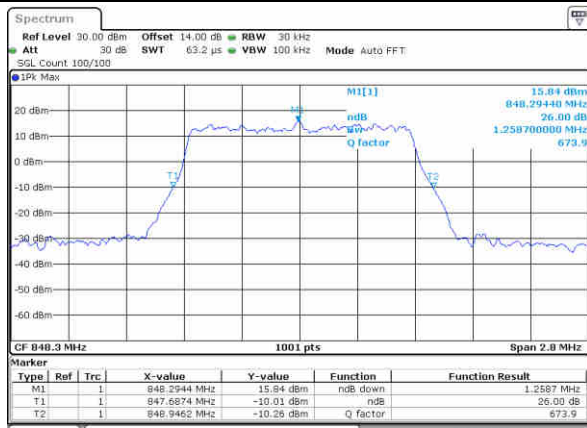
Date: 22-JUN-2020 18:46:08

Middle Channel / 3MHz / 64QAM



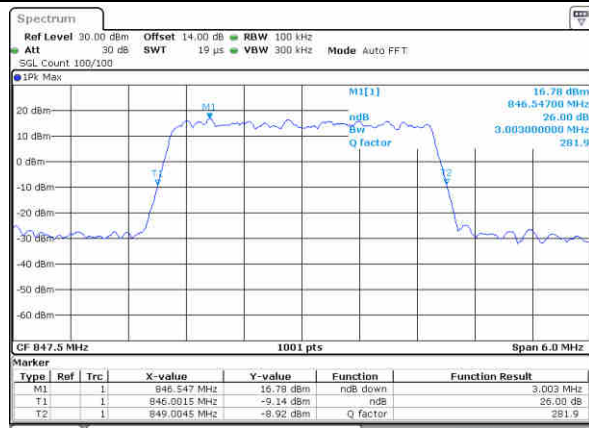
Date: 22-JUN-2020 18:46:56

Highest Channel / 1.4MHz / 64QAM



Date: 22-JUN-2020 18:46:30

Highest Channel / 3MHz / 64QAM

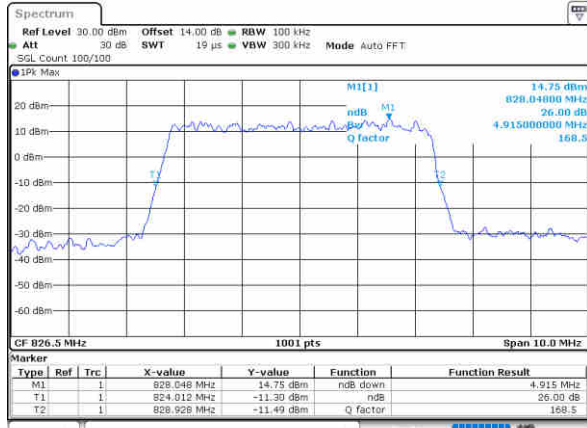


Date: 22-JUN-2020 18:51:12

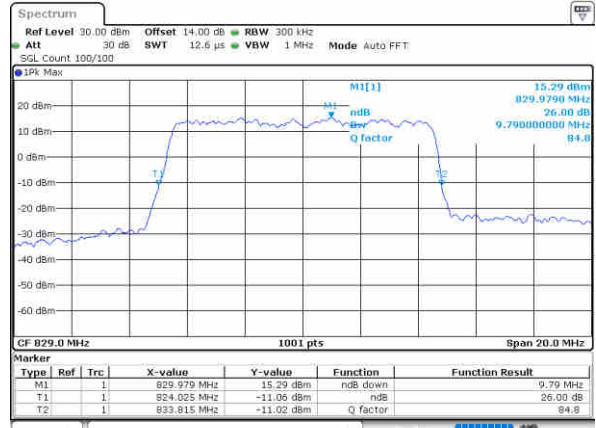


LTE Band 26

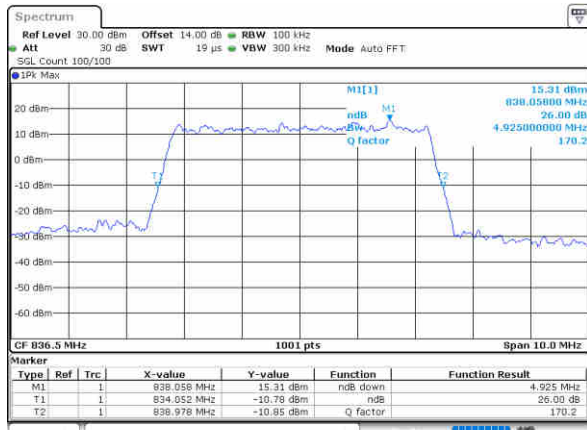
Lowest Channel / 5MHz / 64QAM



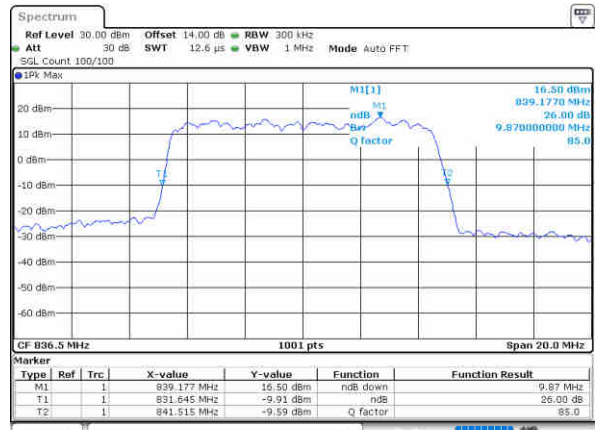
Lowest Channel / 10MHz / 64QAM



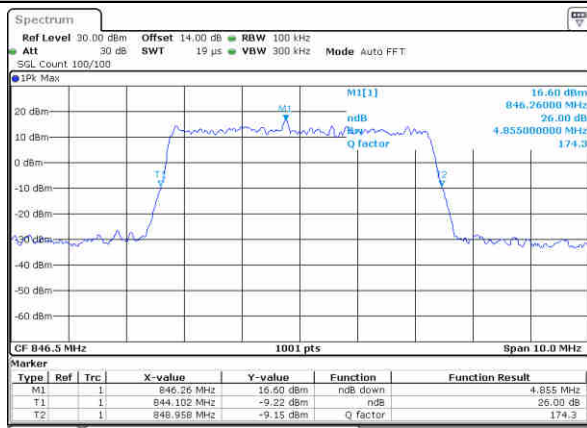
Middle Channel / 5MHz / 64QAM



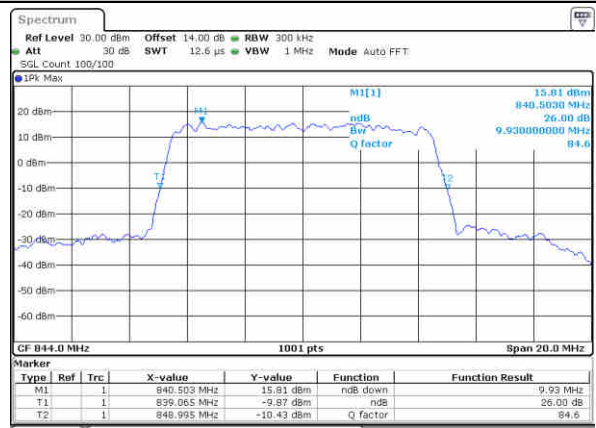
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



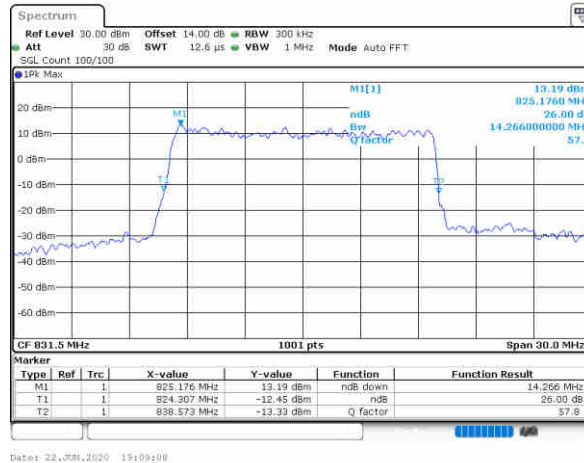
Highest Channel / 10MHz / 64QAM



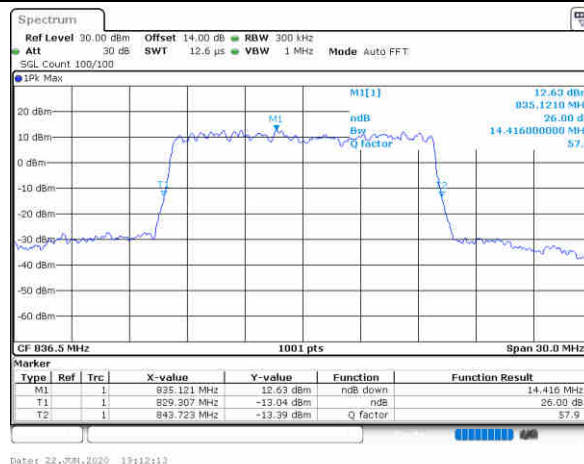


LTE Band 26

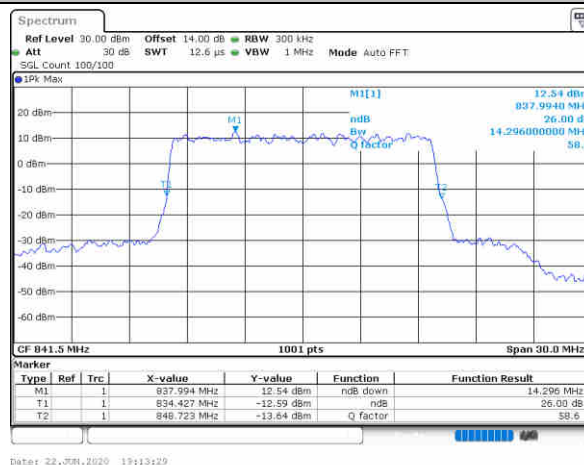
Lowest Channel / 15MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Highest Channel / 15MHz / 64QAM



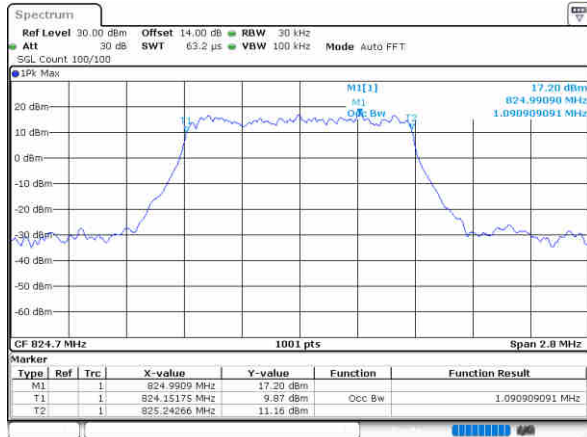
**Occupied Bandwidth**

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.72	2.70	4.51	4.48	9.03	9.01	13.46	13.52	13.46	13.43
Middle CH	1.10	1.10	2.73	2.72	4.49	4.49	9.03	8.99	13.46	13.49	-	-
Highest CH	1.09	1.09	2.72	2.72	4.51	4.49	9.03	9.01	13.40	13.43	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10	-	2.72	-	4.50	-	9.01	-	13.49	-	13.49	-
Middle CH	1.10	-	2.70	-	4.51	-	9.03	-	13.43	-	-	-
Highest CH	1.08	-	2.70	-	4.49	-	9.03	-	13.40	-	-	-

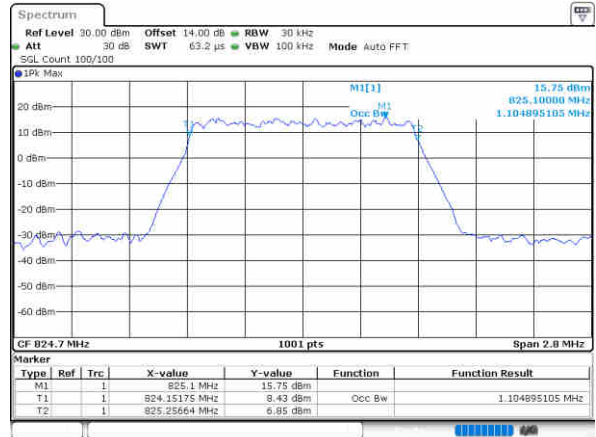


LTE Band 26

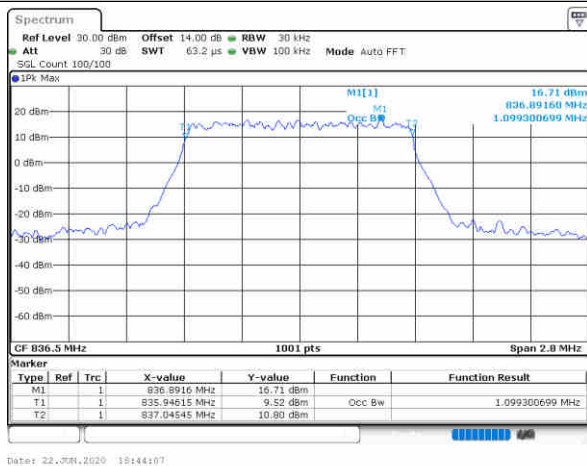
Lowest Channel / 1.4MHz / QPSK



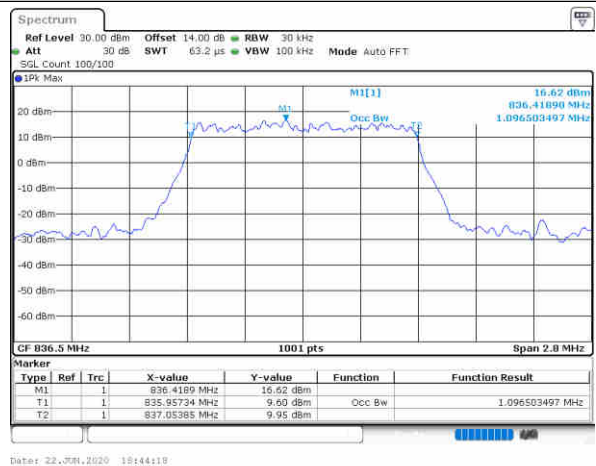
Lowest Channel / 1.4MHz / 16QAM



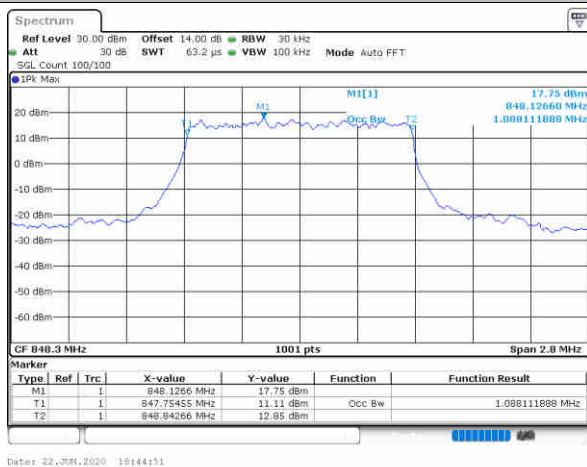
Middle Channel / 1.4MHz / QPSK



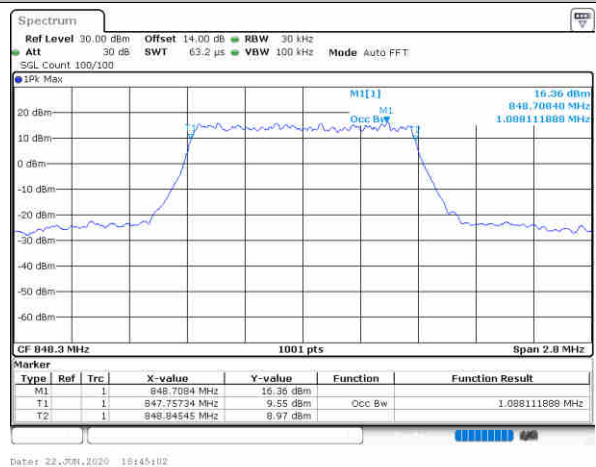
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



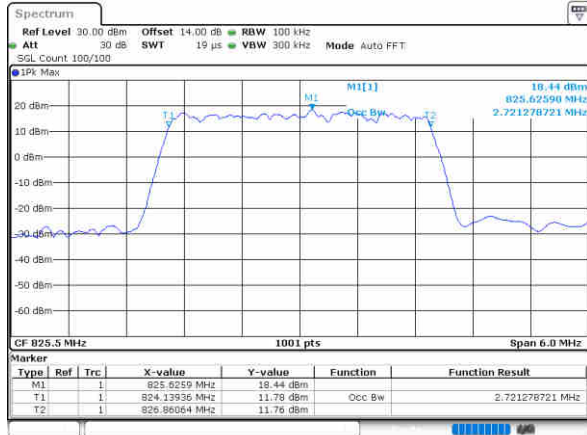
Highest Channel / 1.4MHz / 16QAM



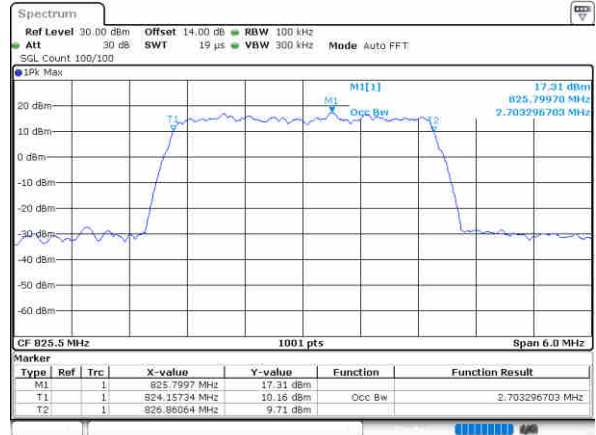


LTE Band 26

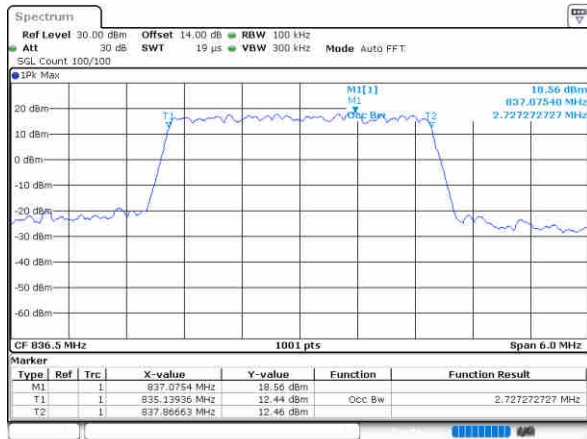
Lowest Channel / 3MHz / QPSK



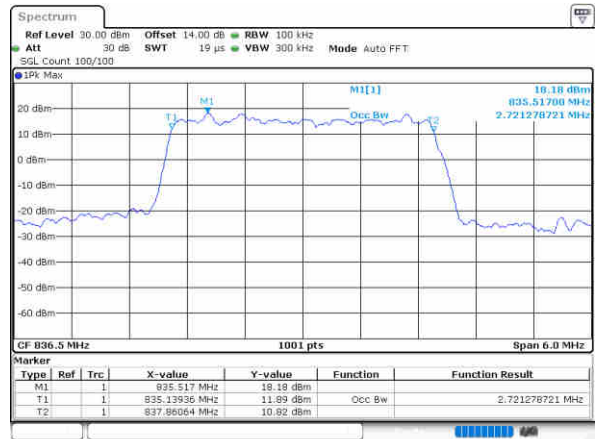
Lowest Channel / 3MHz / 16QAM



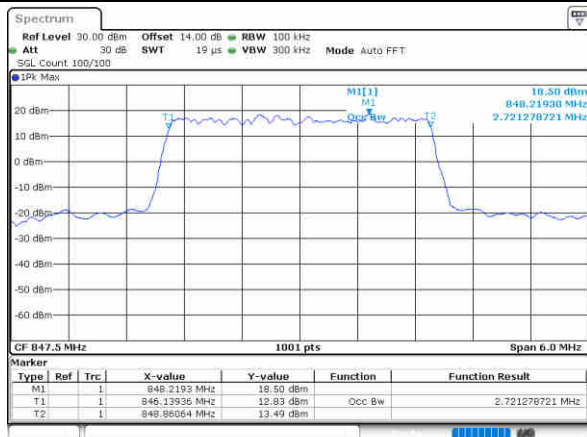
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



Highest Channel / 3MHz / 16QAM

