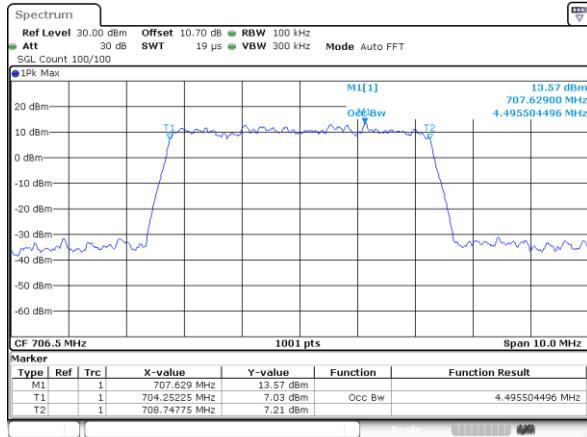




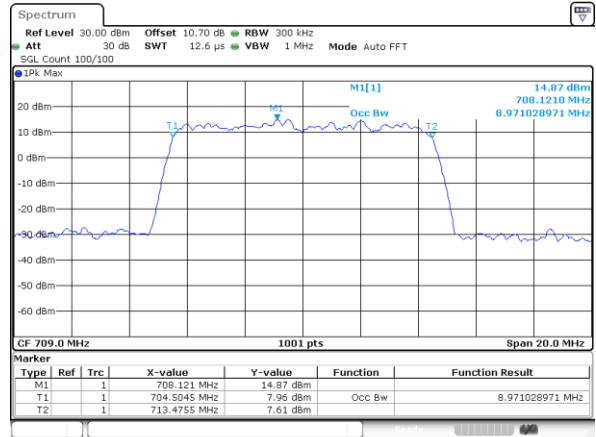
LTE Band 17

Lowest Channel / 5MHz / 64QAM



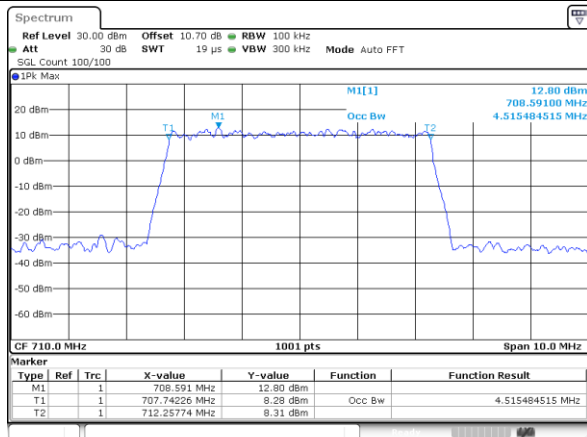
Date: 12.FEB.2020 17:48:02

Lowest Channel / 10MHz / 64QAM



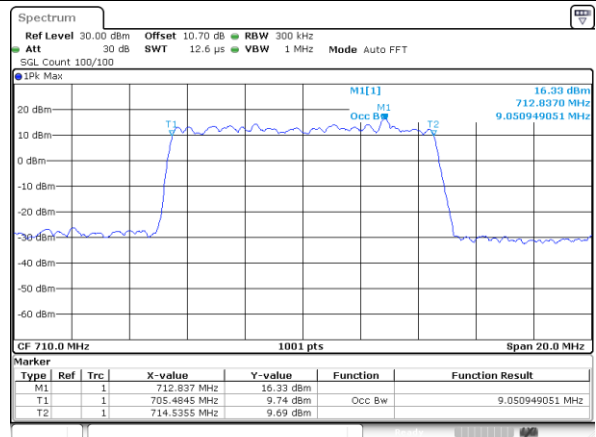
Date: 12.FEB.2020 17:56:53

Middle Channel / 5MHz / 64QAM



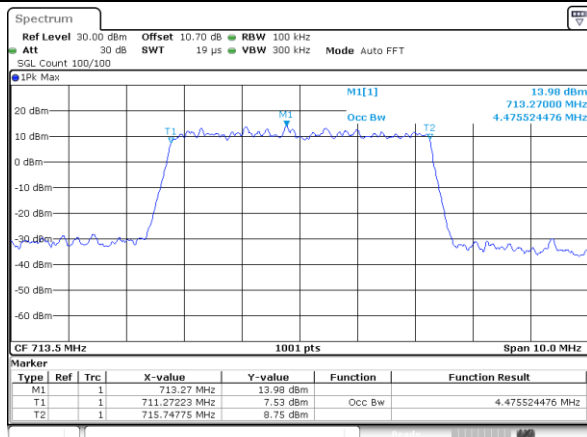
Date: 12.FEB.2020 17:51:46

Middle Channel / 10MHz / 64QAM



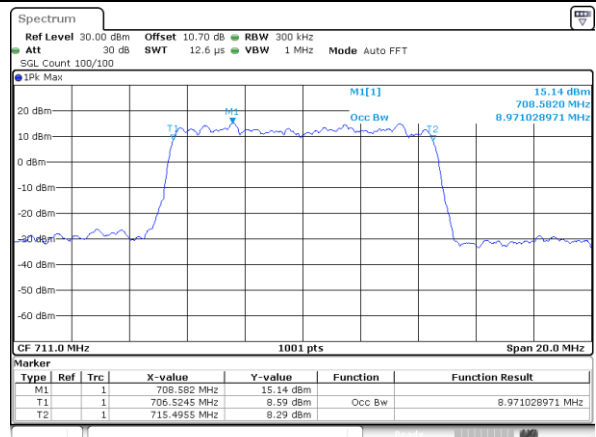
Date: 12.FEB.2020 18:00:38

Highest Channel / 5MHz / 64QAM

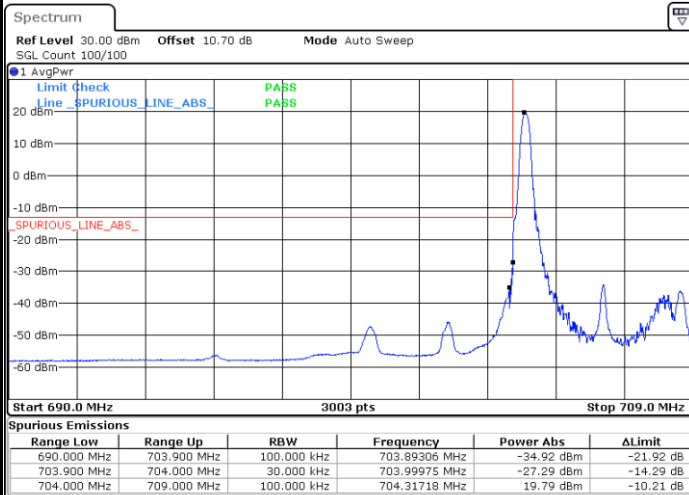
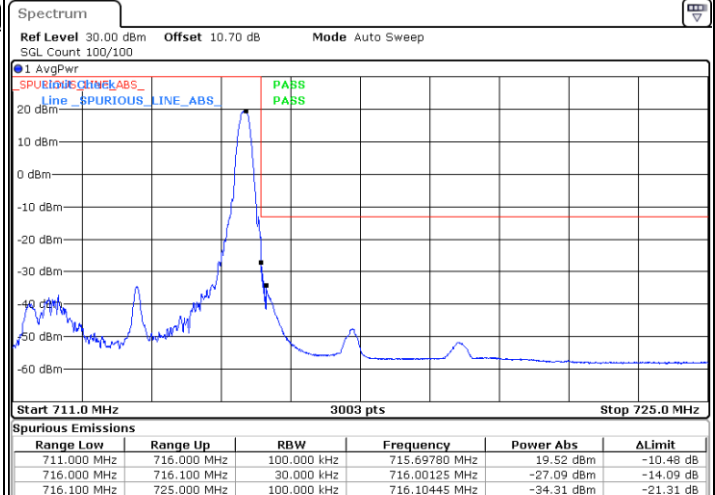
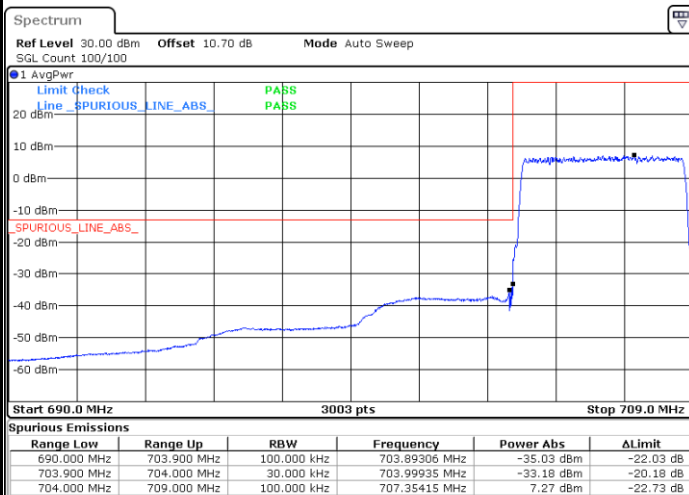
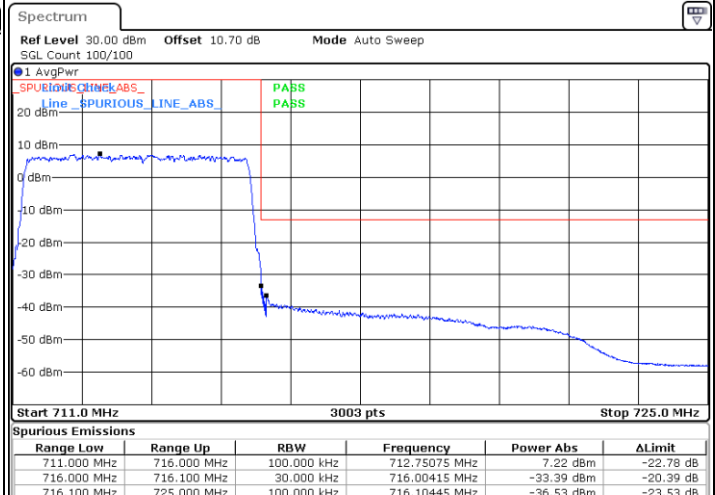


Date: 12.FEB.2020 17:53:08

Highest Channel / 10MHz / 64QAM



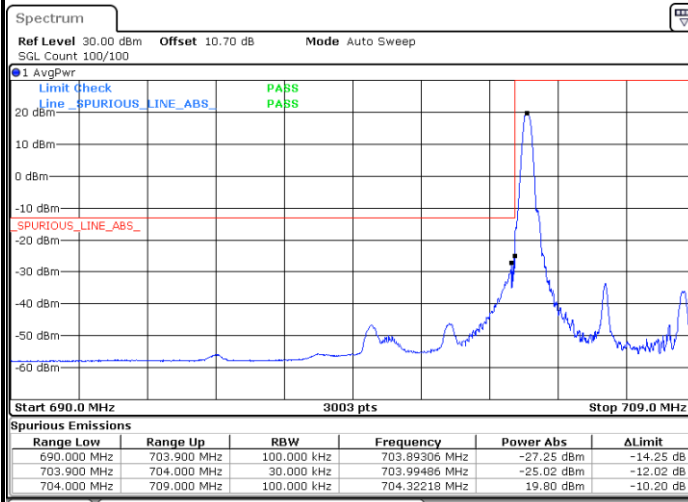
Date: 12.FEB.2020 18:01:59

**Conducted Band Edge****LTE Band 17 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

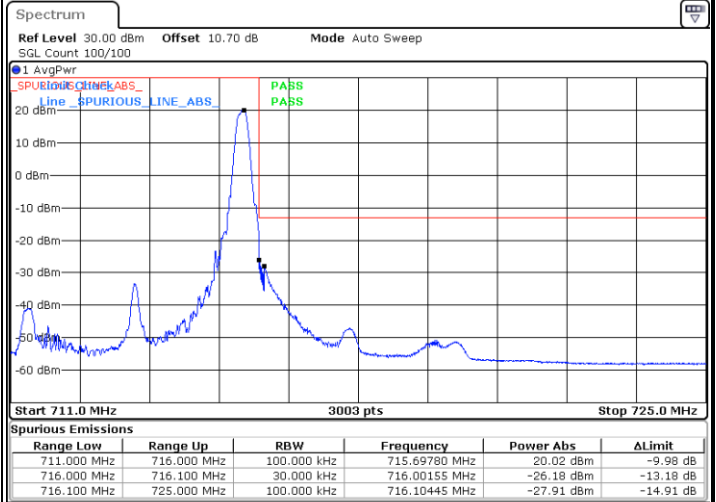


LTE Band 17 / 5MHz / 16QAM

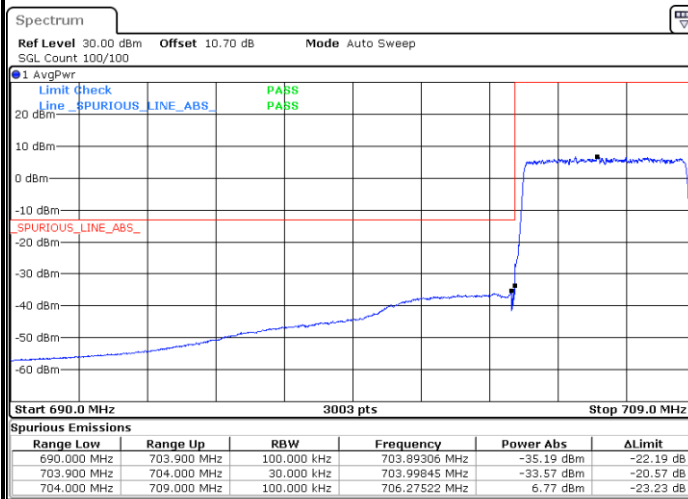
Lowest Band Edge / 1 RB



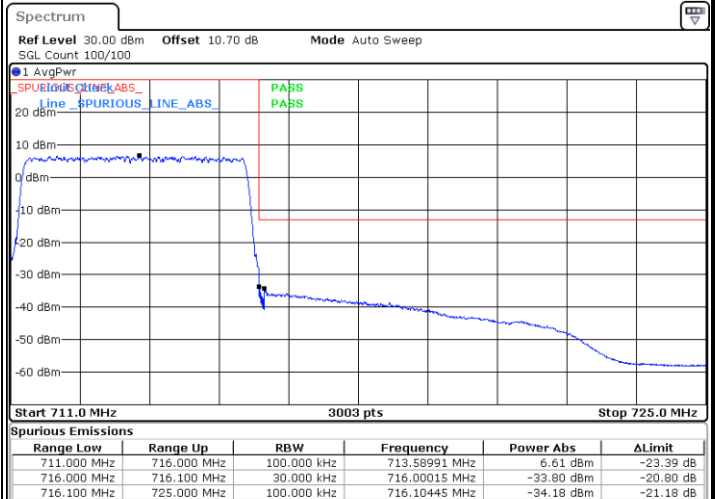
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



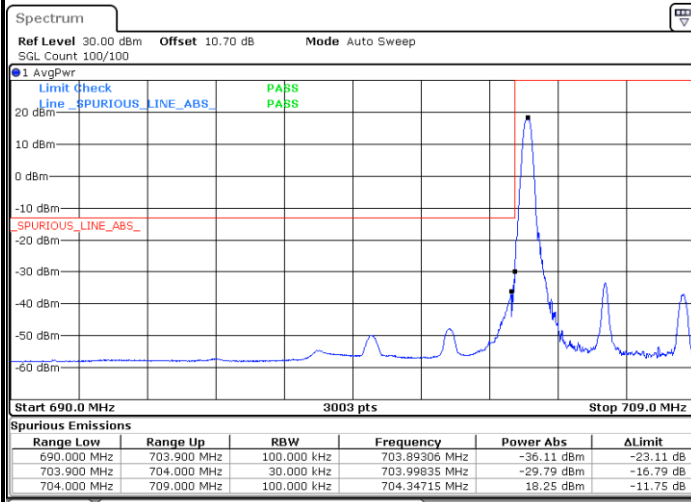
Highest Band Edge / Full RB



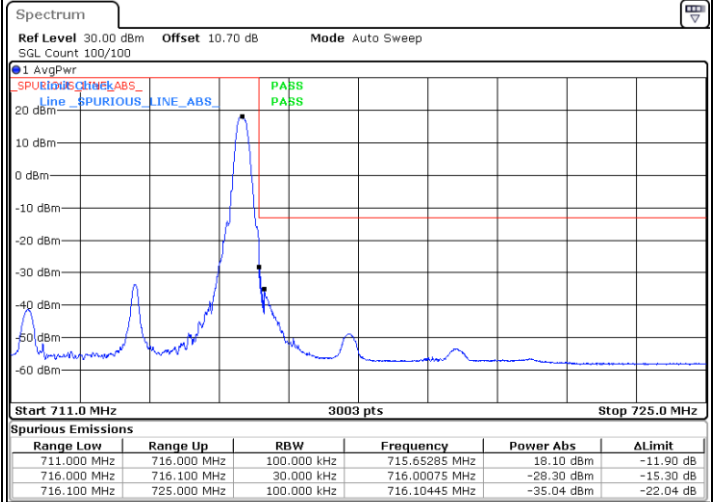


LTE Band 17 / 5MHz / 64QAM

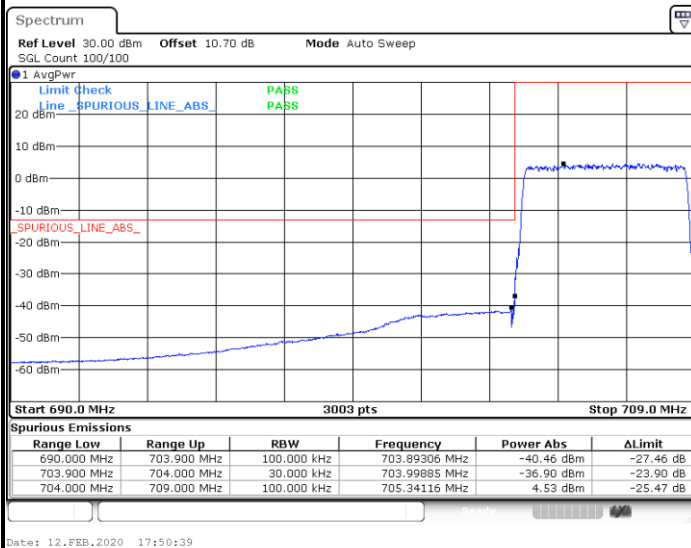
Lowest Band Edge / 1 RB



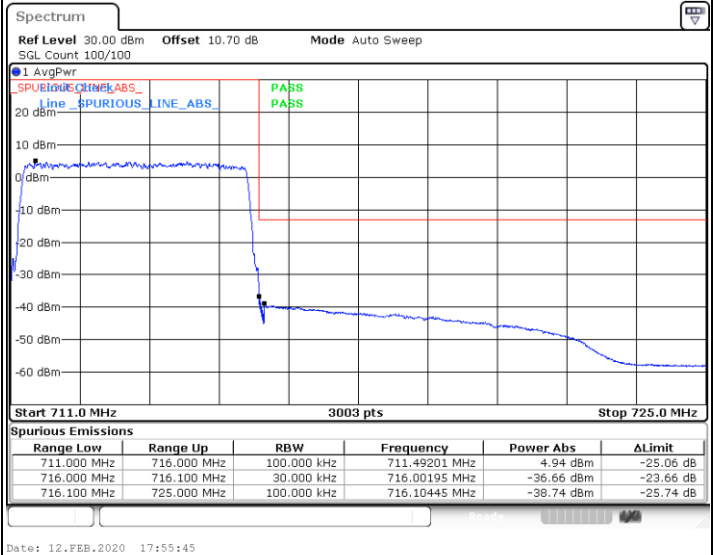
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



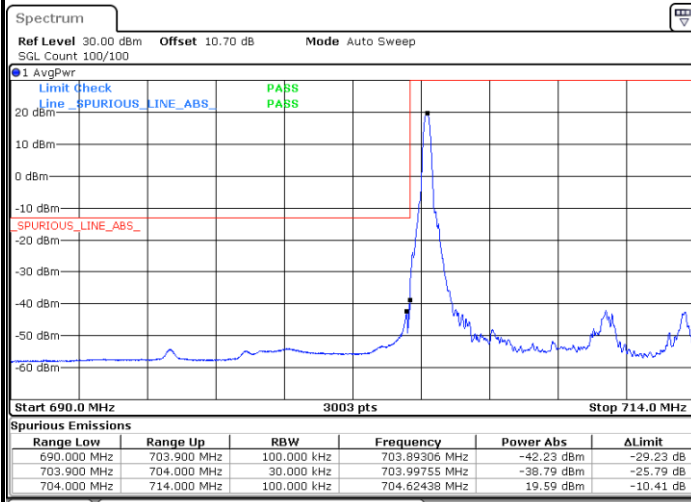
Highest Band Edge / Full RB



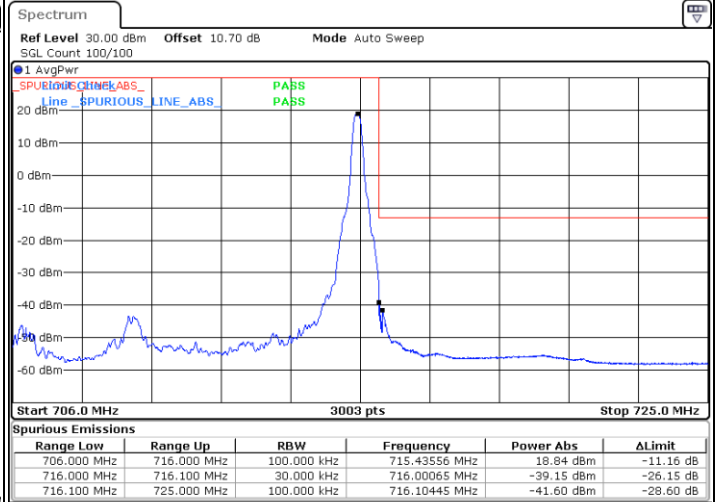


LTE Band 17 / 10MHz / QPSK

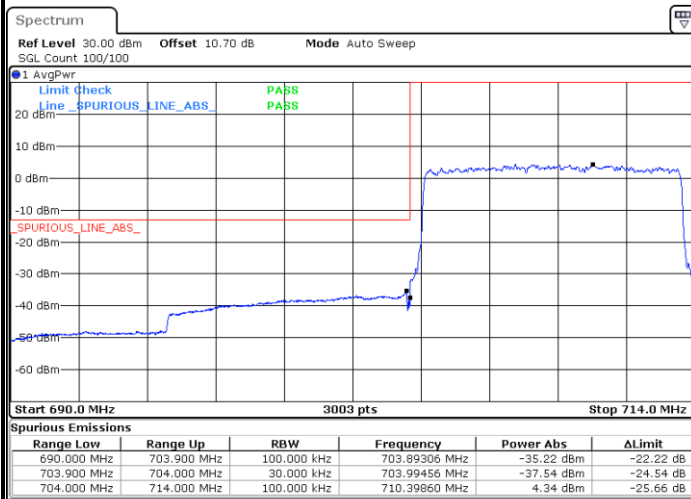
Lowest Band Edge / 1 RB



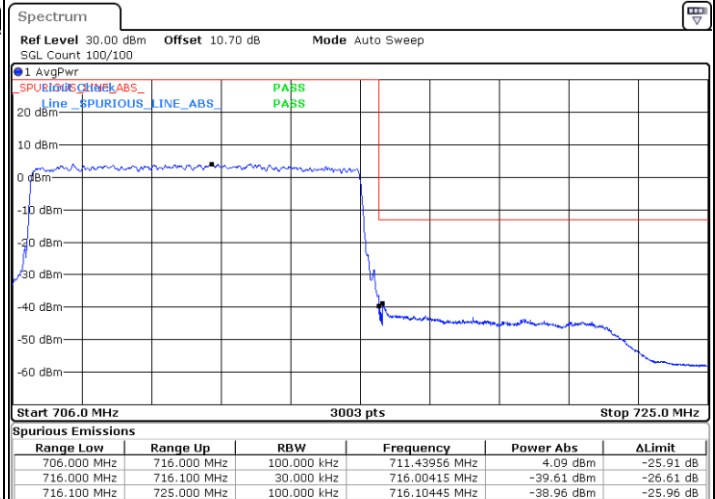
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



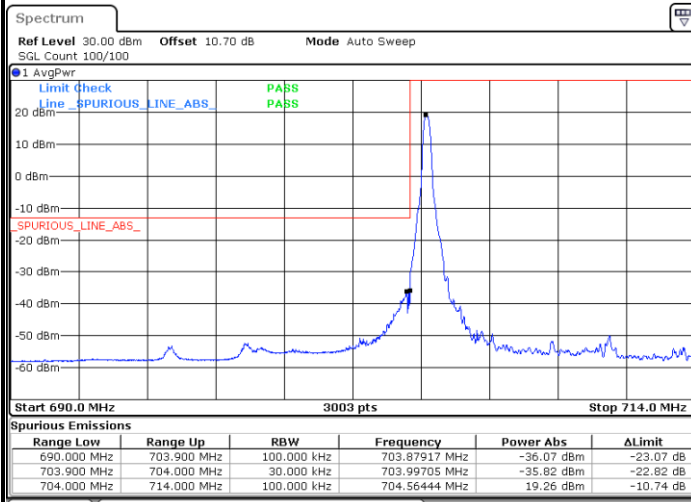
Highest Band Edge / Full RB



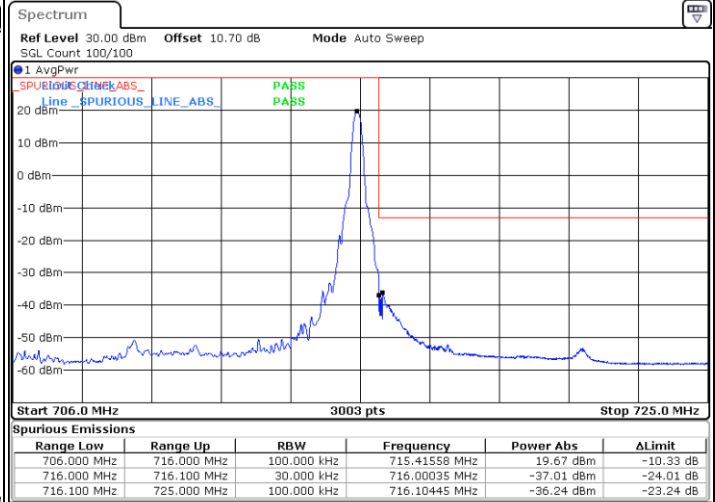


LTE Band 17 / 10MHz / 16QAM

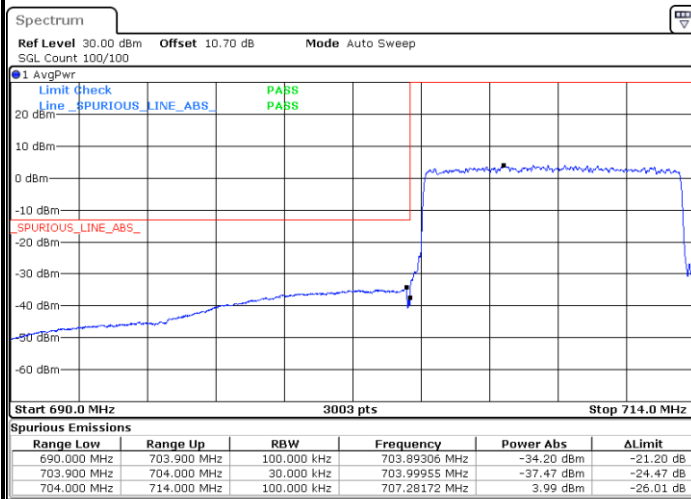
Lowest Band Edge / 1 RB



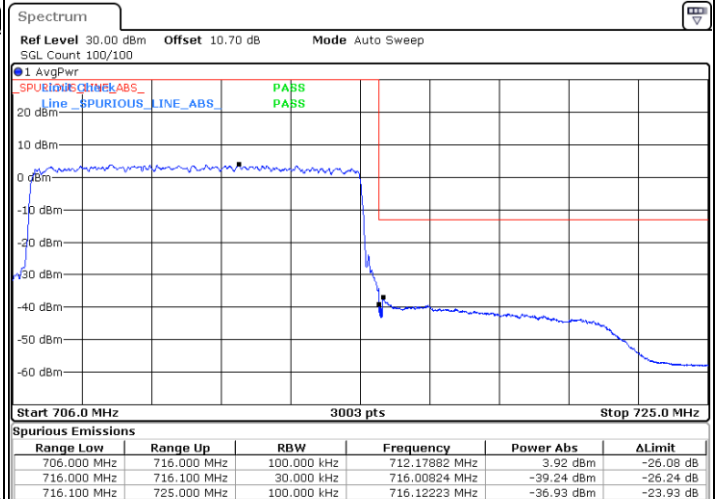
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



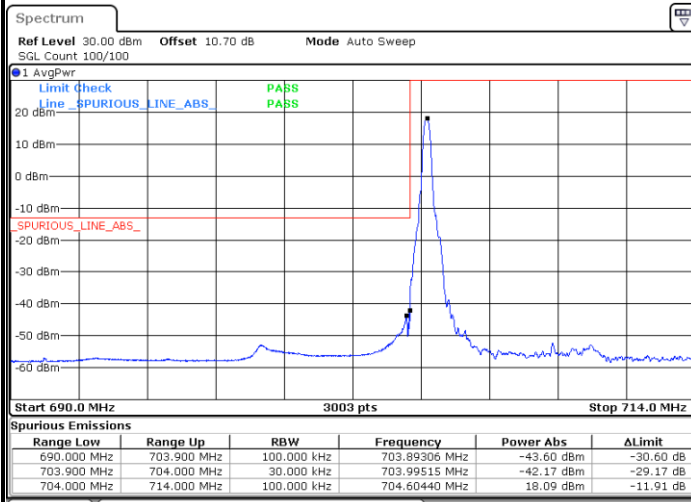
Highest Band Edge / Full RB



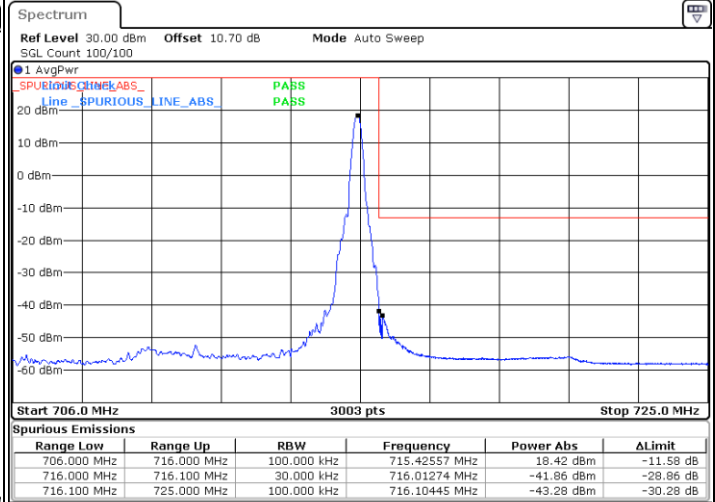


LTE Band 17 / 10MHz / 64QAM

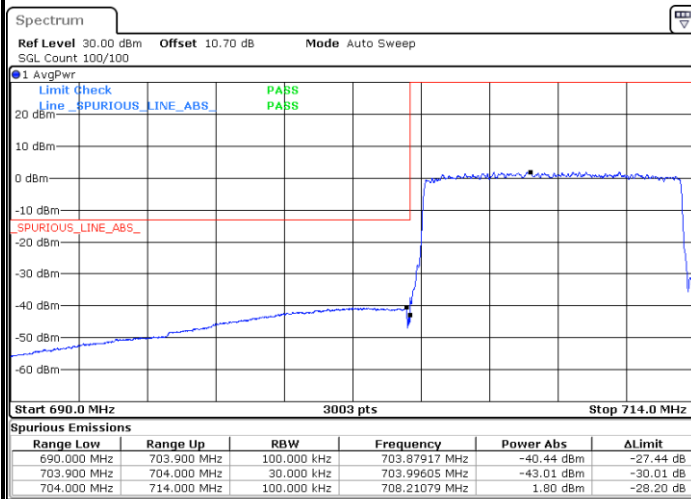
Lowest Band Edge / 1 RB



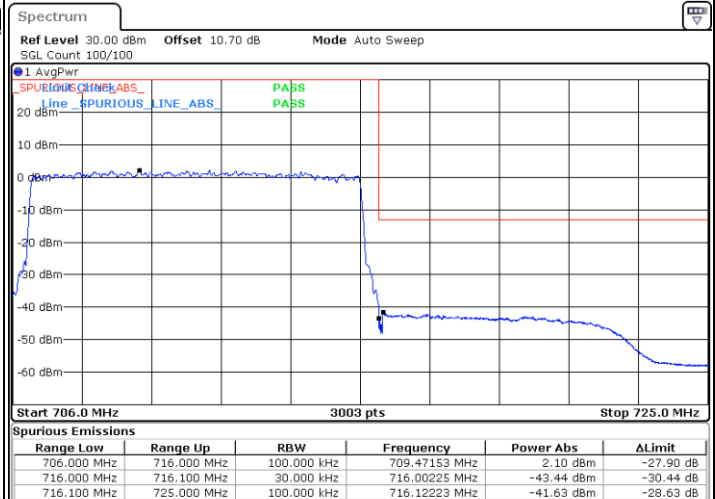
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

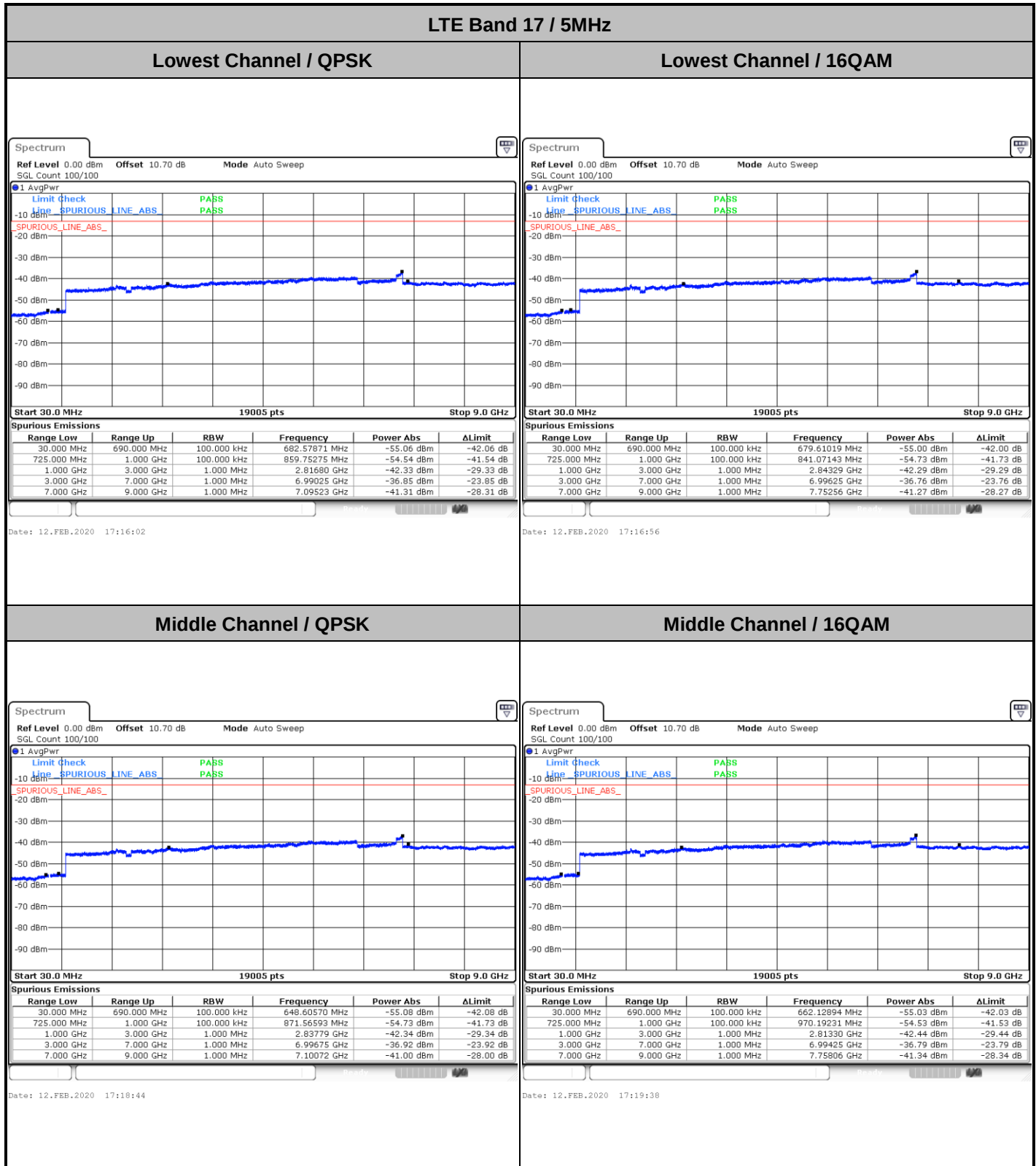


Highest Band Edge / Full RB





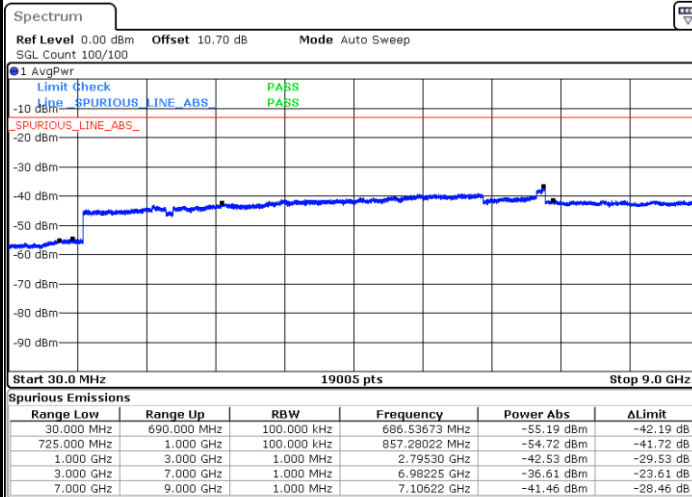
Conducted Spurious Emission





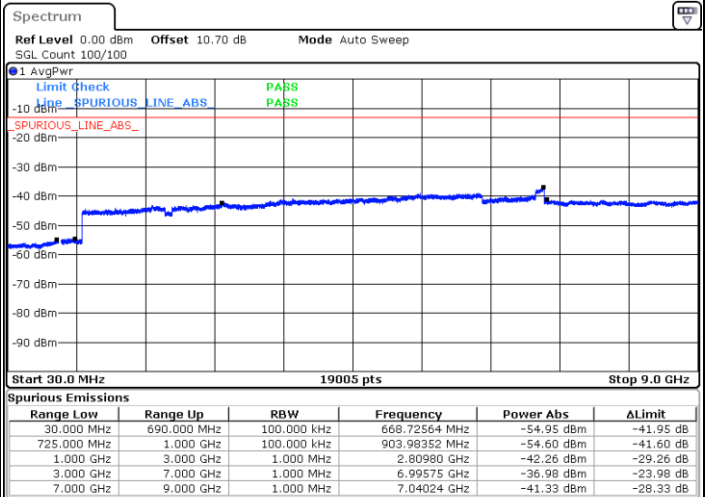
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 12.FEB.2020 17:26:15

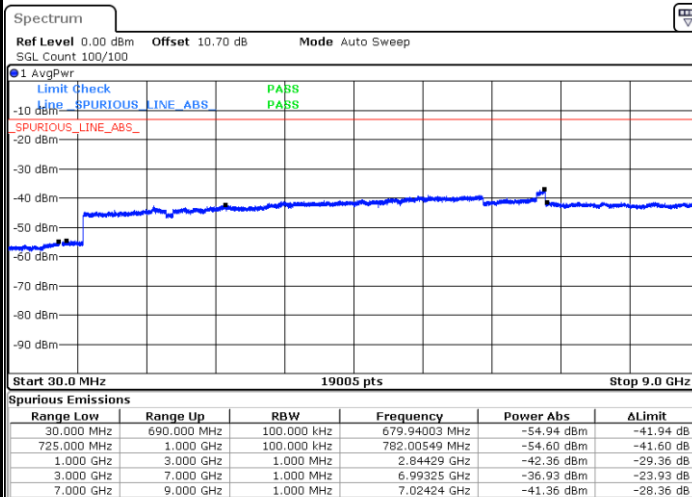
Highest Channel / 16QAM



Date: 12.FEB.2020 17:27:10

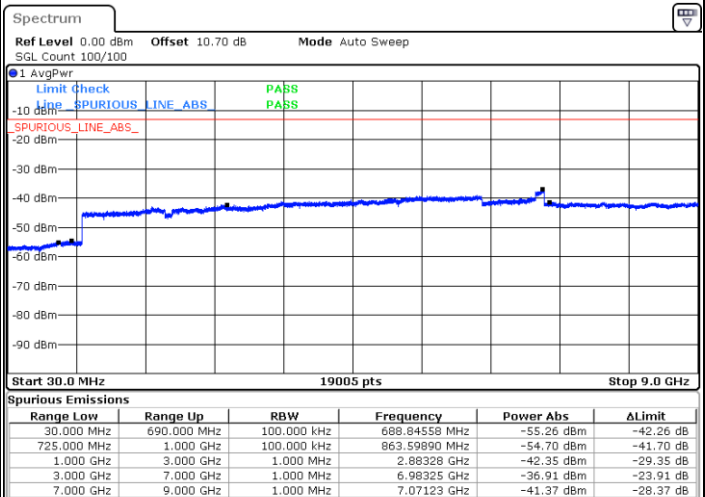
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 12.FEB.2020 17:33:47

Lowest Channel / 16QAM

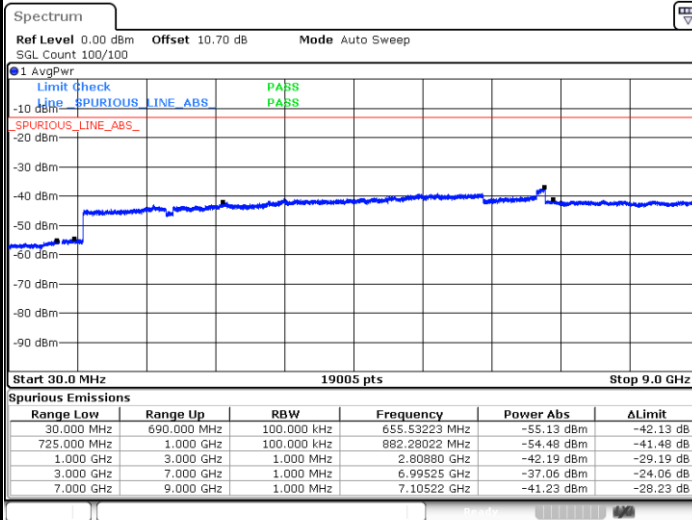


Date: 12.FEB.2020 17:34:42



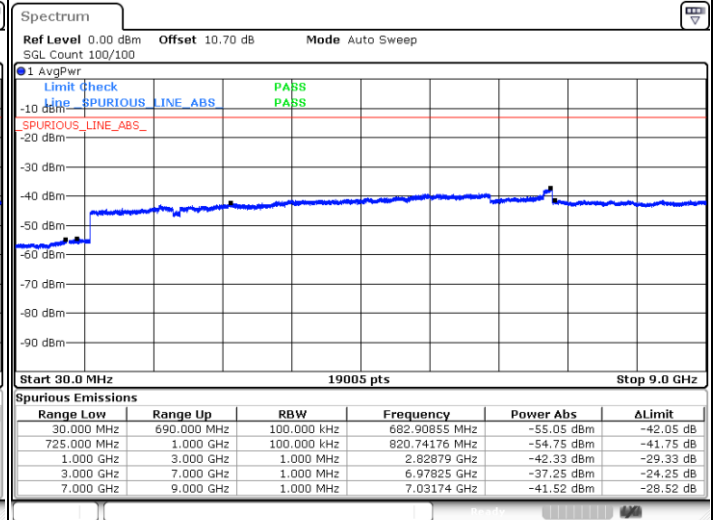
LTE Band 17 / 10MHz

Middle Channel / QPSK



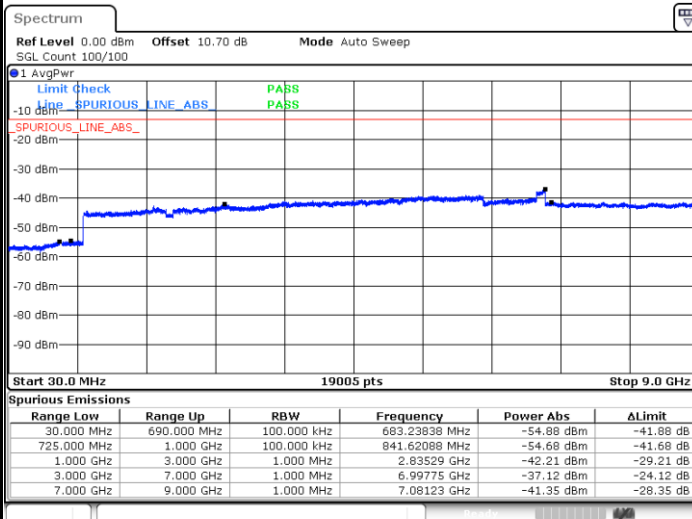
Date: 12.FEB.2020 17:39:22

Middle Channel / 16QAM



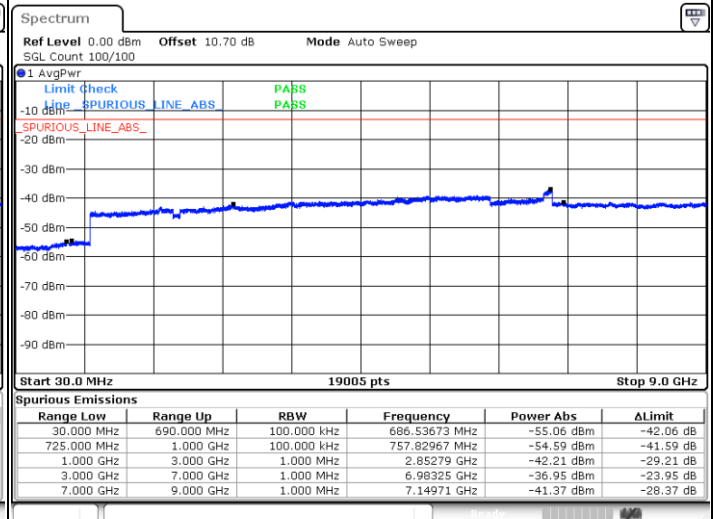
Date: 12.FEB.2020 17:40:17

Highest Channel / QPSK



Date: 12.FEB.2020 17:46:52

Highest Channel / 16QAM

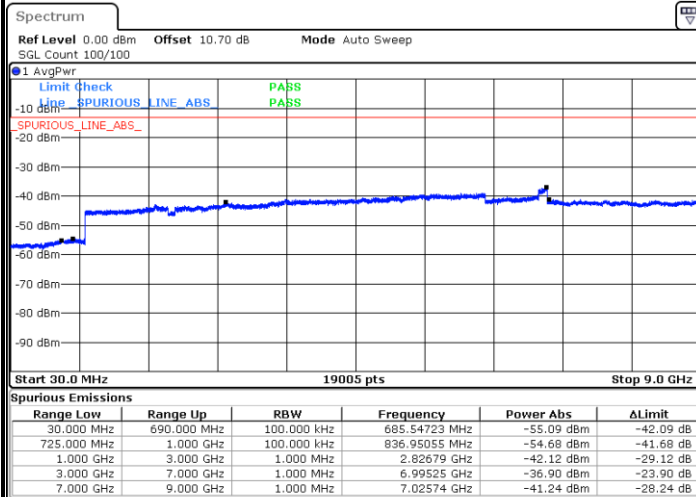


Date: 12.FEB.2020 17:47:47



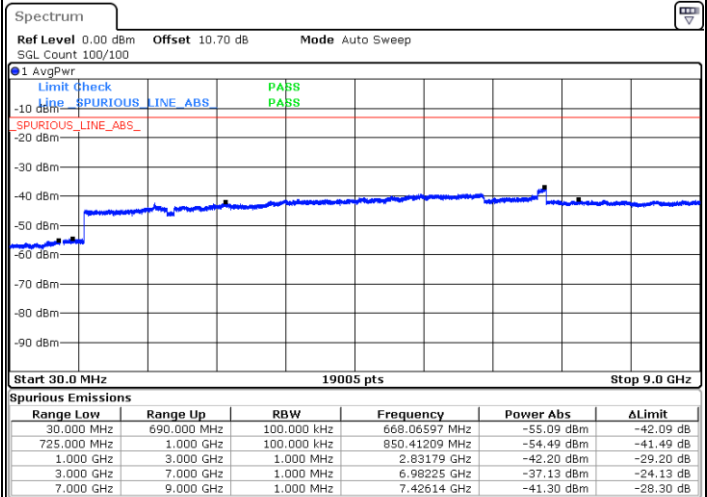
LTE Band 17 / 5MHz

Lowest Channel / 64QAM



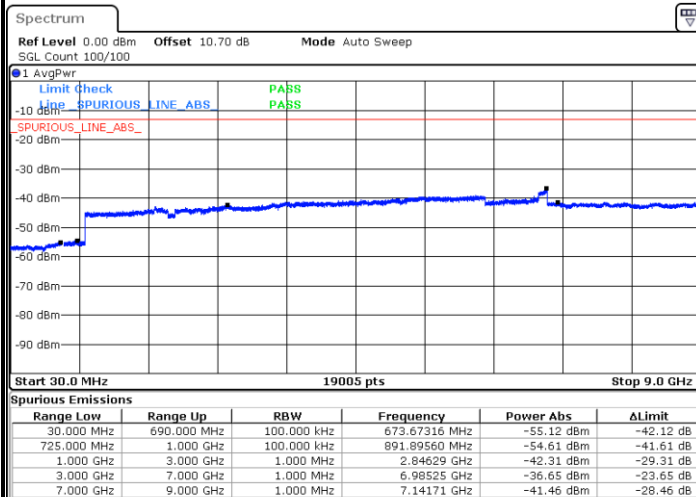
Date: 12.FEB.2020 17:51:32

Middle Channel / 64QAM



Date: 12.FEB.2020 17:52:54

Highest Channel / 64QAM

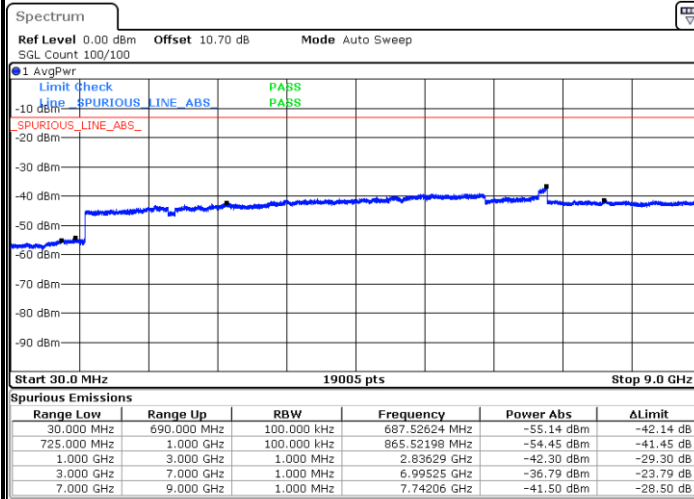


Date: 12.FEB.2020 17:56:39



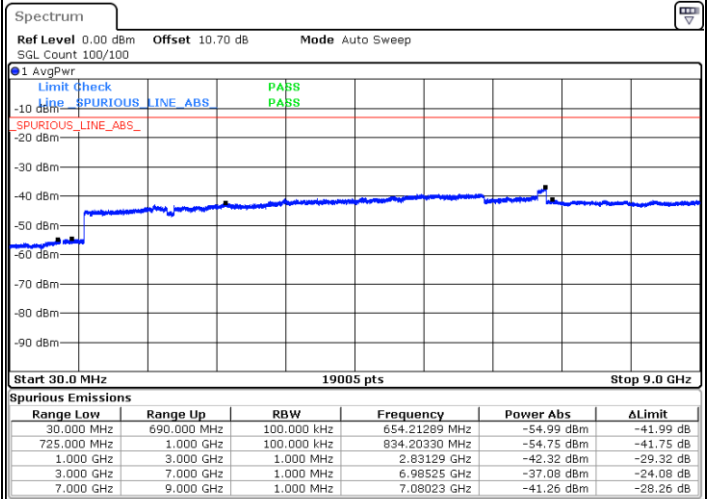
LTE Band 17 / 10MHz

Lowest Channel / 64QAM



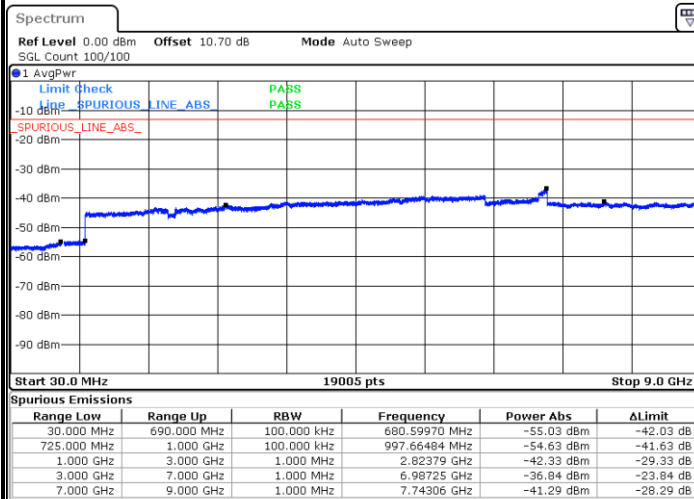
Date: 12.FEB.2020 18:00:24

Middle Channel / 64QAM



Date: 12.FEB.2020 18:01:45

Highest Channel / 64QAM



Date: 12.FEB.2020 18:05:30

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0145	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0165	
0	Normal Voltage	0.0186	
-10	Normal Voltage	0.0168	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0169	
20	Maximum Voltage	0.0189	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0173	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

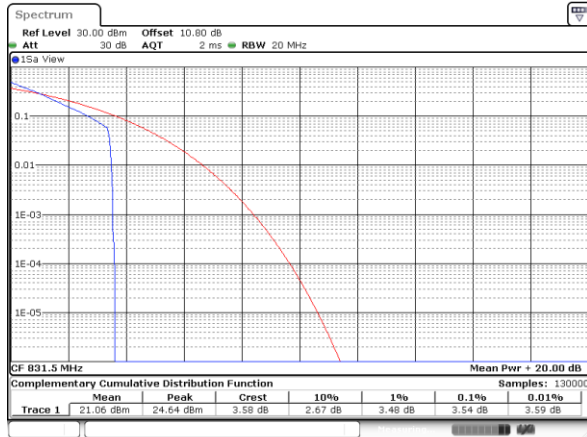
LTE Band 26

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	3.54	4.96	5.28	5.45	PASS
Middle CH	3.62	4.96	4.96	5.57	
Highest CH	3.54	4.75	4.81	5.54	
Mode	LTE Band 26 / 15MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.20	6.49	-	-	PASS
Middle CH	6.03	6.38	-	-	
Highest CH	5.86	6.35	-	-	

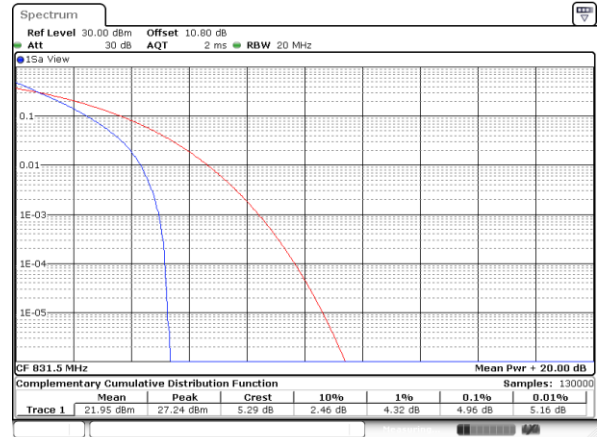
LTE Band 26 / 15MHz / QPSK

Lowest Channel / 1RB



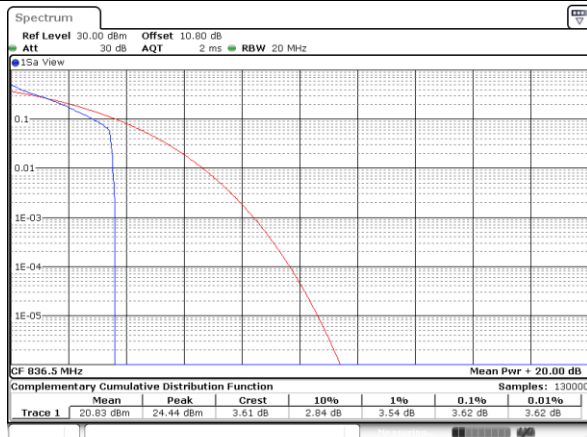
Date: 15.FEB.2020 04:42:45

Lowest Channel / Full RB



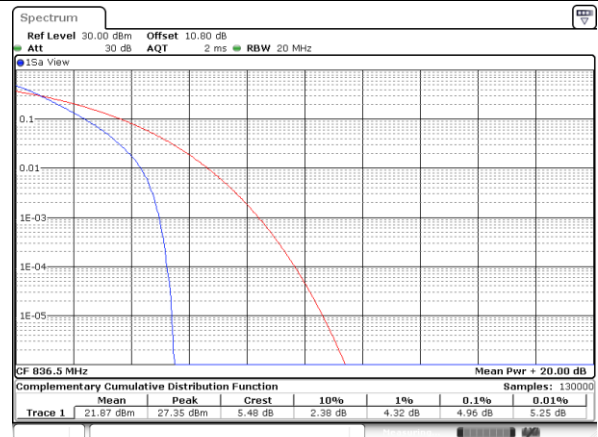
Date: 15.FEB.2020 04:41:12

Middle Channel / 1RB



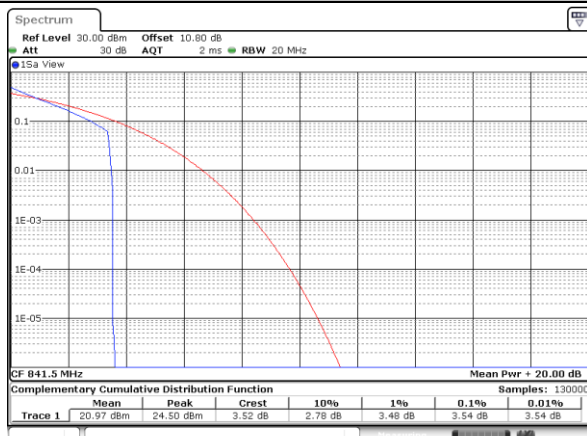
Date: 15.FEB.2020 04:43:57

Middle Channel / Full RB



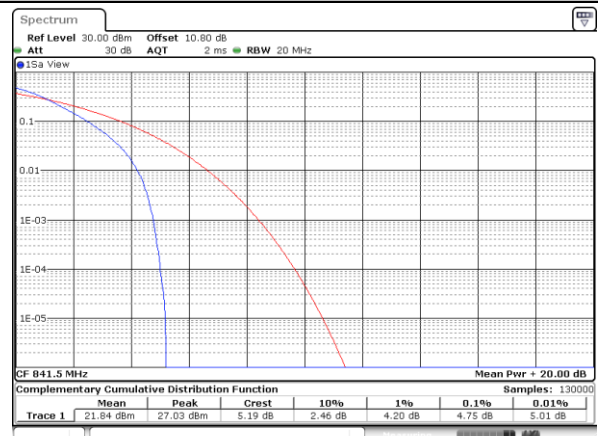
Date: 15.FEB.2020 04:44:57

Highest Channel / 1RB



Date: 15.FEB.2020 04:46:27

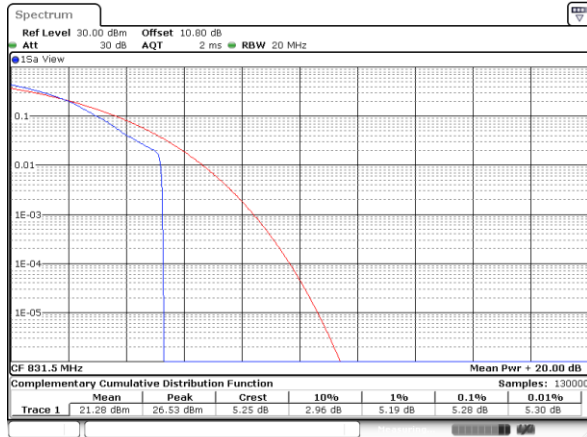
Highest Channel / Full RB



Date: 15.FEB.2020 04:45:12

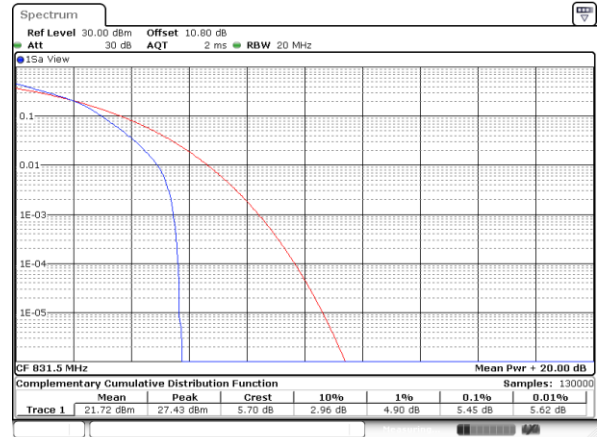
LTE Band 26 / 15MHz / 16QAM

Lowest Channel / 1RB



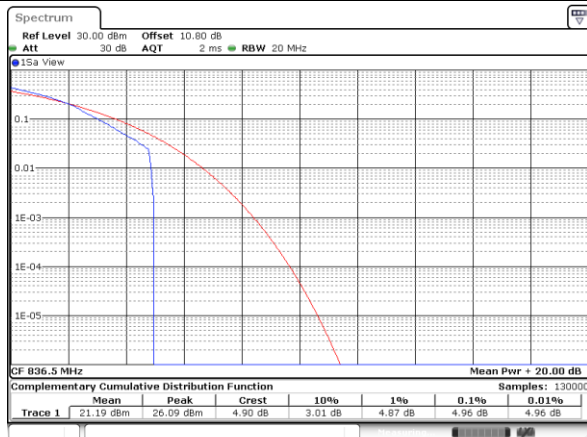
Date: 15.FEB.2020 04:42:32

Lowest Channel / Full RB



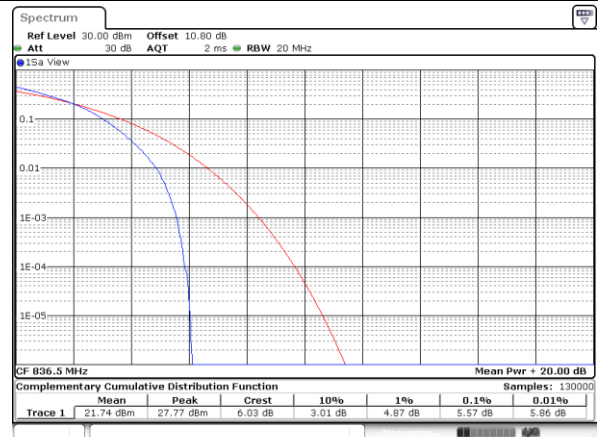
Date: 15.FEB.2020 04:41:26

Middle Channel / 1RB



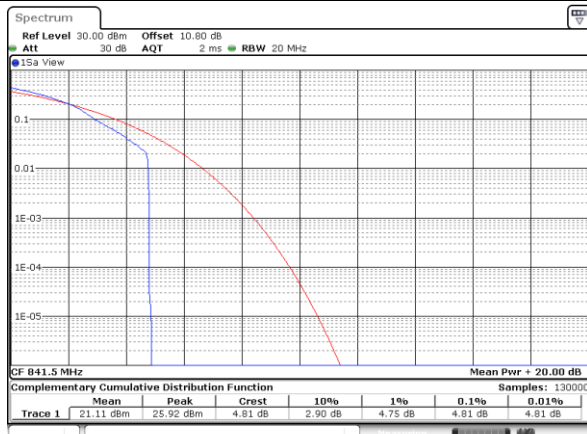
Date: 15.FEB.2020 04:44:14

Middle Channel / Full RB



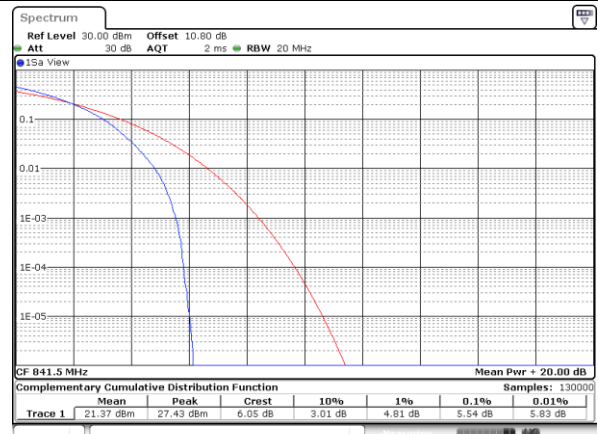
Date: 15.FEB.2020 04:44:32

Highest Channel / 1RB



Date: 15.FEB.2020 04:46:13

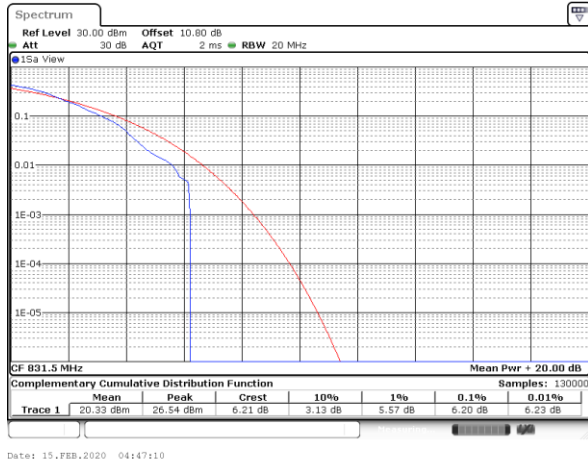
Highest Channel / Full RB



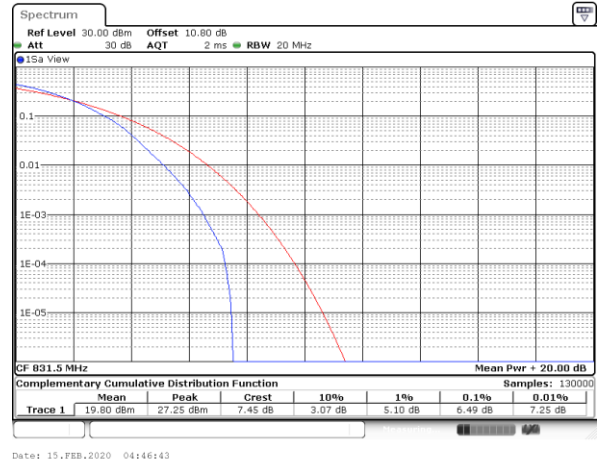
Date: 15.FEB.2020 04:45:53

LTE Band 26 / 15MHz / 64QAM

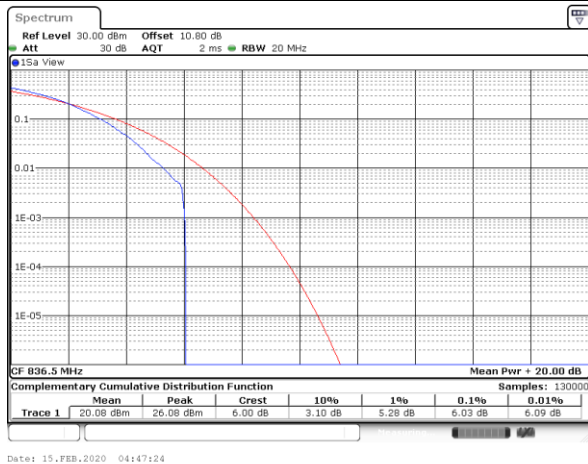
Lowest Channel / 1RB



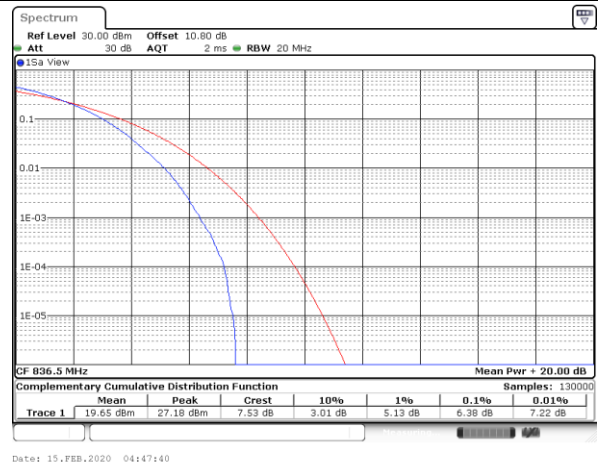
Lowest Channel / Full RB



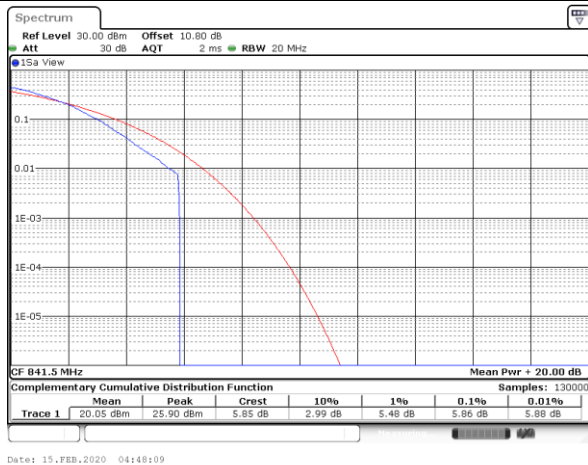
Middle Channel / 1RB



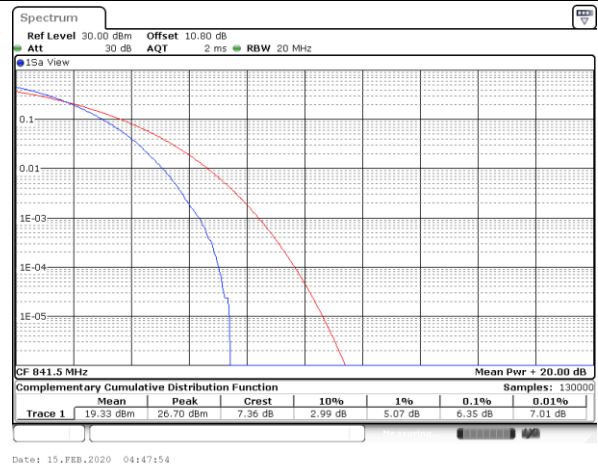
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



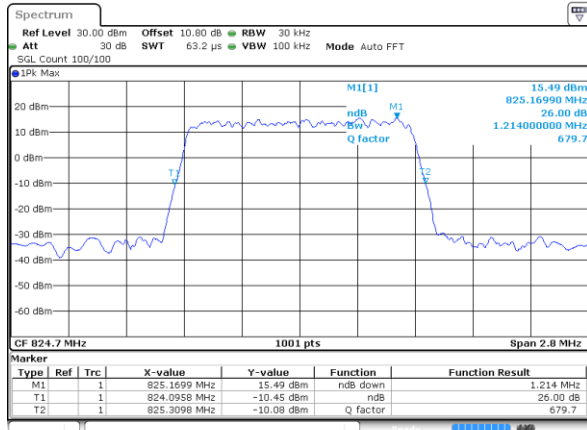
**26dB Bandwidth**

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	1.21	1.21	3.02	3.02	4.93	5.02	9.75	9.83	14.33	14.57	-	-
Middle CH	1.24	1.23	3.02	3.04	4.90	5.01	9.83	9.83	14.39	14.57	-	-
Highest CH	1.22	1.22	3.03	2.99	4.90	4.88	9.87	9.65	14.42	14.33	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.21	-	3.03	-	4.94	-	9.89	-	14.60	-	-	-
Middle CH	1.22	-	3.00	-	4.97	-	9.87	-	14.48	-	-	-
Highest CH	1.22	-	3.02	-	4.90	-	9.93	-	14.33	-	-	-



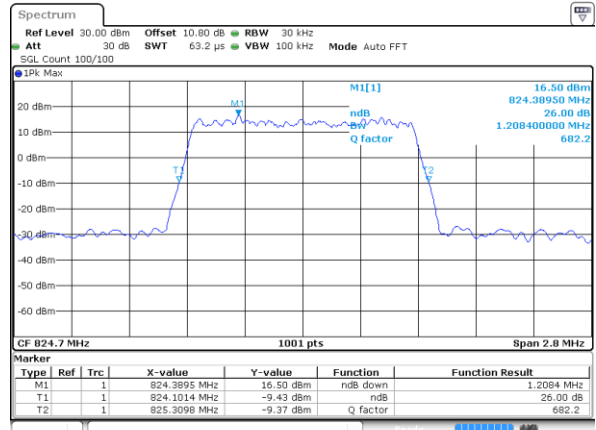
LTE Band 26

Lowest Channel / 1.4MHz / QPSK



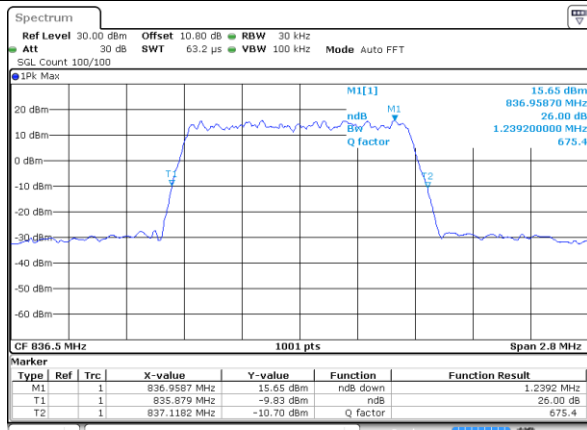
Date: 13 FEB 2020 09:20:51

Lowest Channel / 1.4MHz / 16QAM



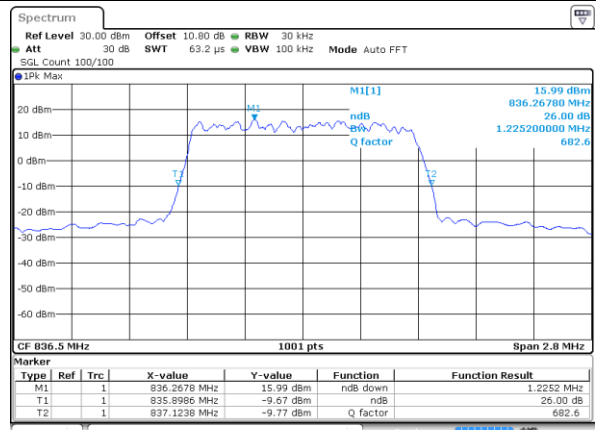
Date: 13 FEB 2020 09:20:39

Middle Channel / 1.4MHz / QPSK



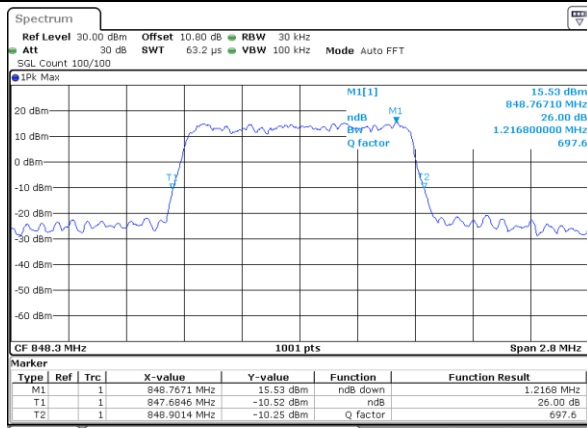
Date: 13 FEB 2020 09:30:08

Middle Channel / 1.4MHz / 16QAM



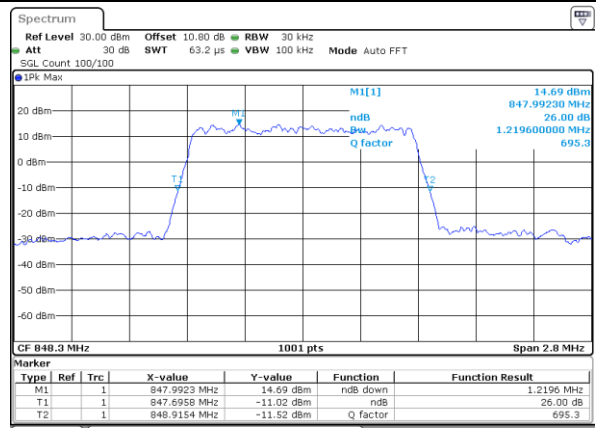
Date: 13 FEB 2020 09:29:56

Highest Channel / 1.4MHz / QPSK



Date: 13 FEB 2020 09:32:45

Highest Channel / 1.4MHz / 16QAM

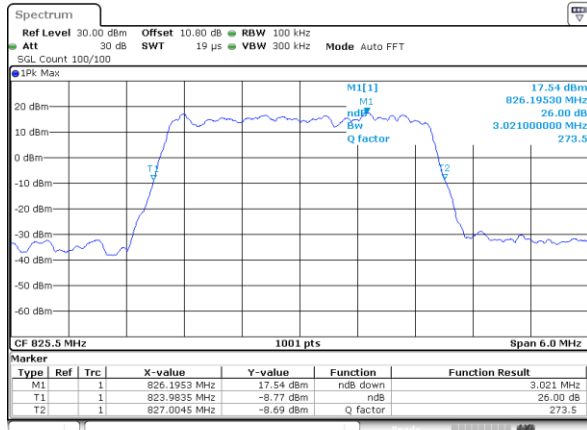


Date: 13 FEB 2020 09:32:33

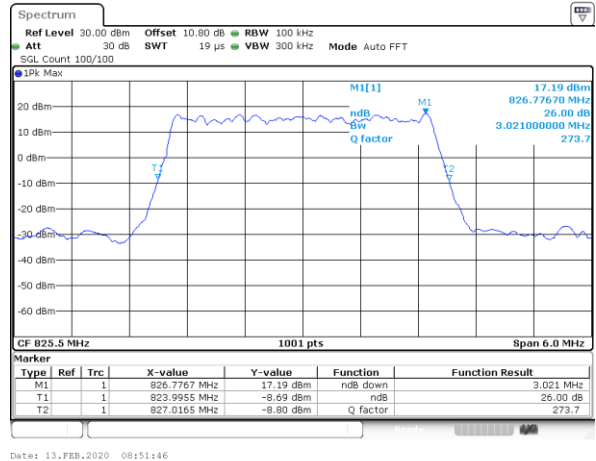


LTE Band 26

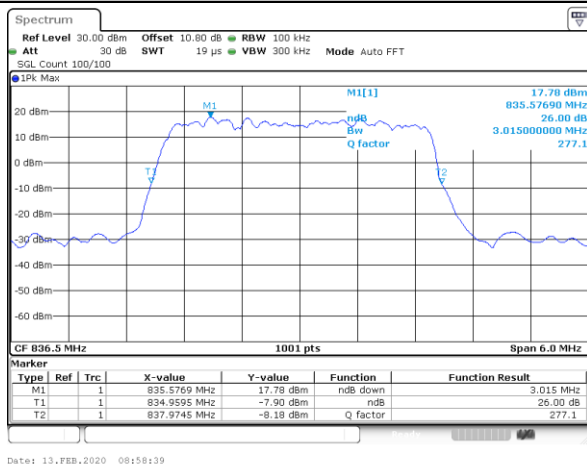
Lowest Channel / 3MHz / QPSK



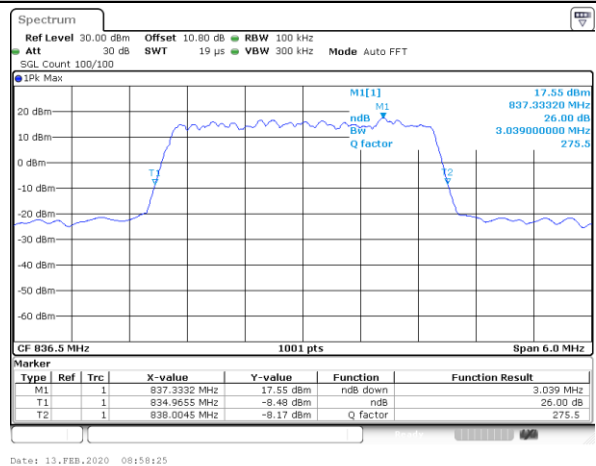
Lowest Channel / 3MHz / 16QAM



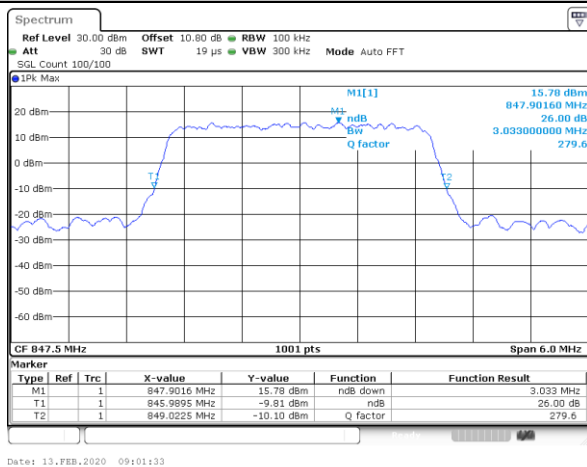
Middle Channel / 3MHz / QPSK



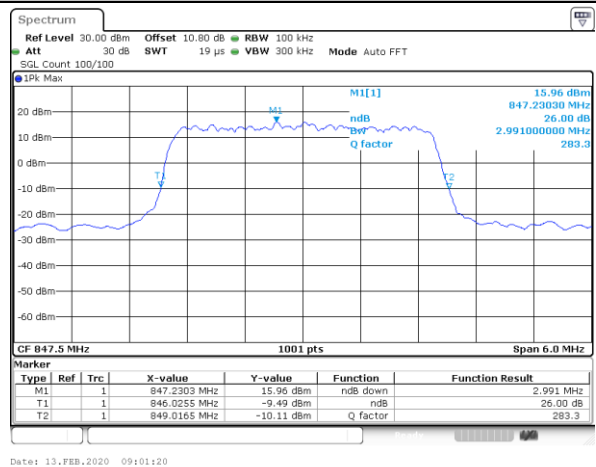
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



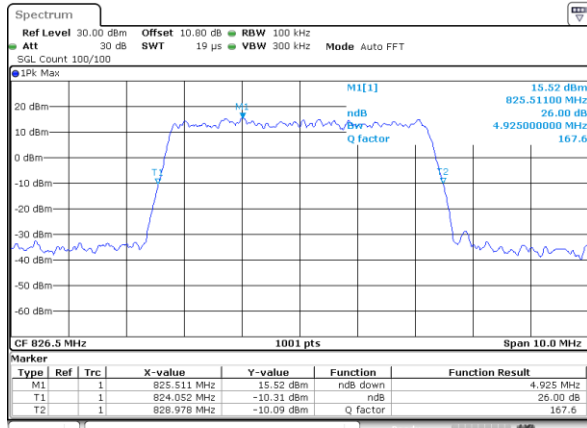
Highest Channel / 3MHz / 16QAM





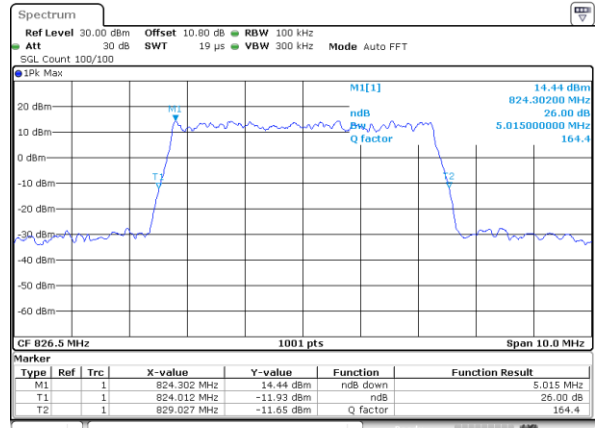
LTE Band 26

Lowest Channel / 5MHz / QPSK



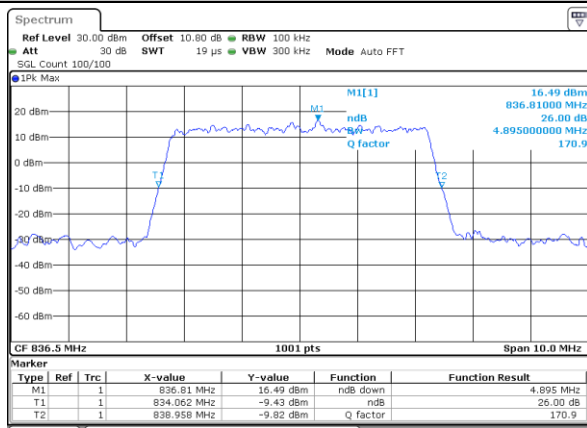
Date: 13.FEB.2020 09:08:17

Lowest Channel / 5MHz / 16QAM



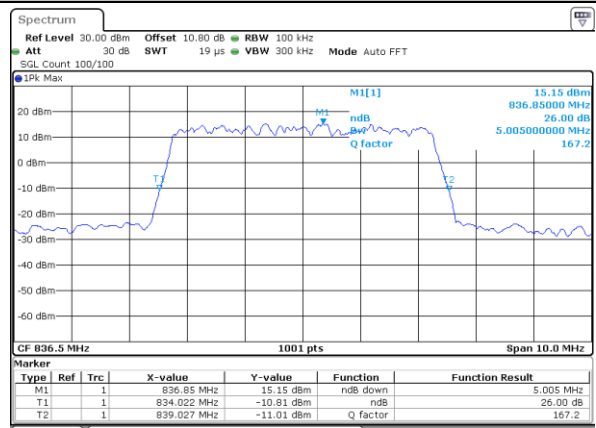
Date: 13.FEB.2020 09:08:03

Middle Channel / 5MHz / QPSK



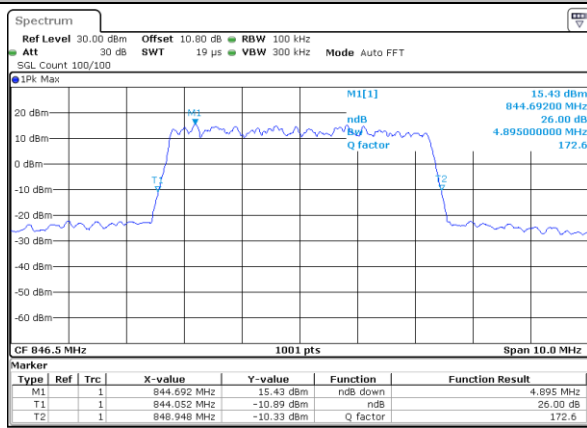
Date: 13.FEB.2020 09:14:56

Middle Channel / 5MHz / 16QAM



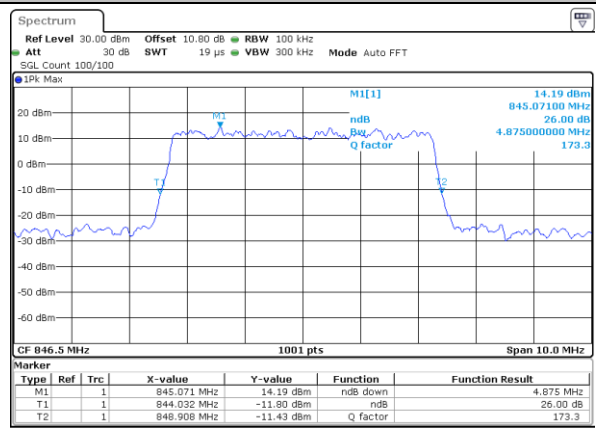
Date: 13.FEB.2020 09:14:42

Highest Channel / 5MHz / QPSK



Date: 13.FEB.2020 09:17:51

Highest Channel / 5MHz / 16QAM

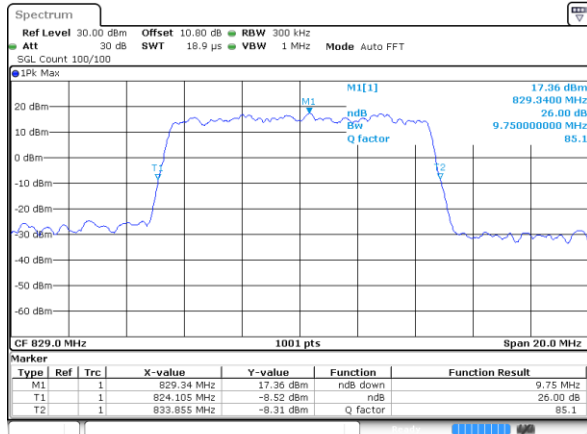


Date: 13.FEB.2020 09:17:37



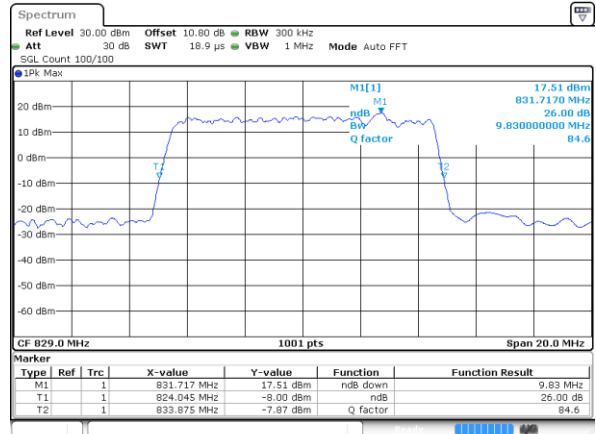
LTE Band 26

Lowest Channel / 10MHz / QPSK



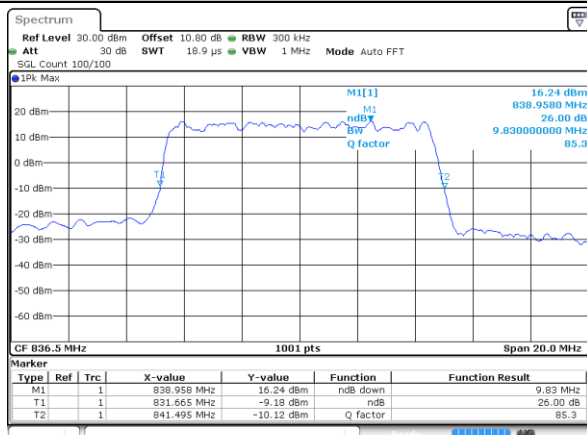
Date: 13 FEB 2020 08:43:30

Lowest Channel / 10MHz / 16QAM



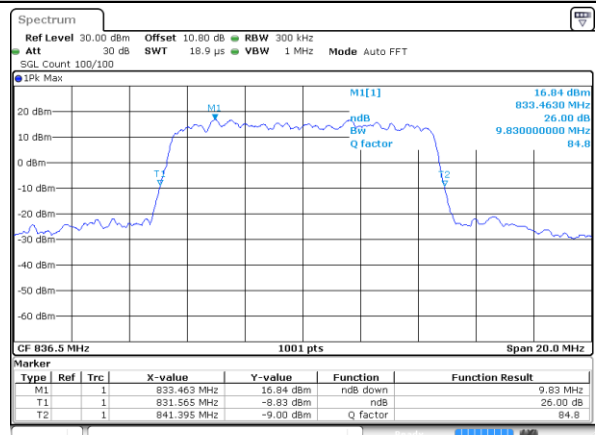
Date: 13 FEB 2020 08:43:18

Middle Channel / 10MHz / QPSK



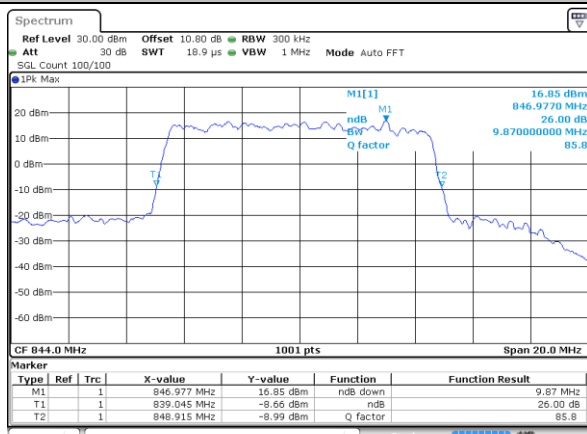
Date: 13 FEB 2020 08:49:46

Middle Channel / 10MHz / 16QAM



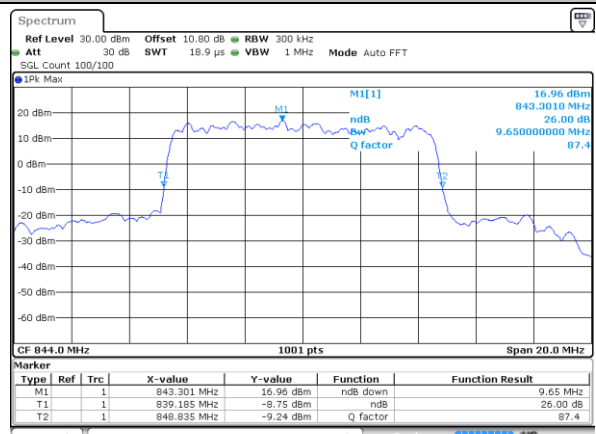
Date: 13 FEB 2020 08:49:34

Highest Channel / 10MHz / QPSK



Date: 13 FEB 2020 08:52:24

Highest Channel / 10MHz / 16QAM

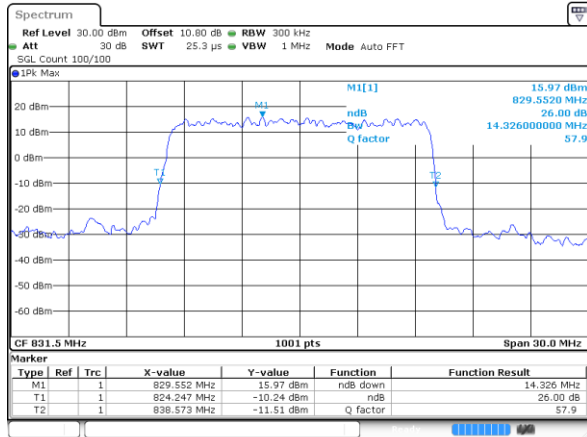


Date: 13 FEB 2020 08:52:12



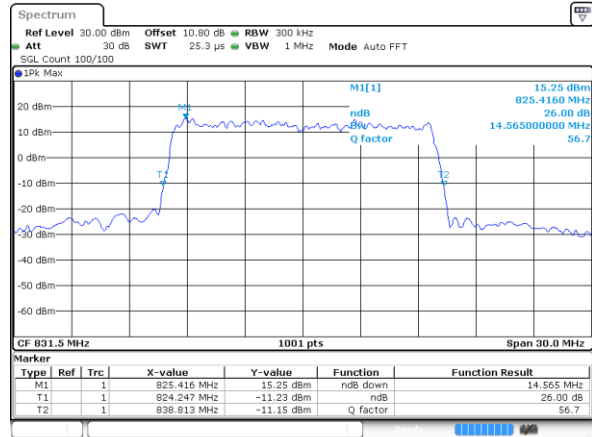
LTE Band 26

Lowest Channel / 15MHz / QPSK



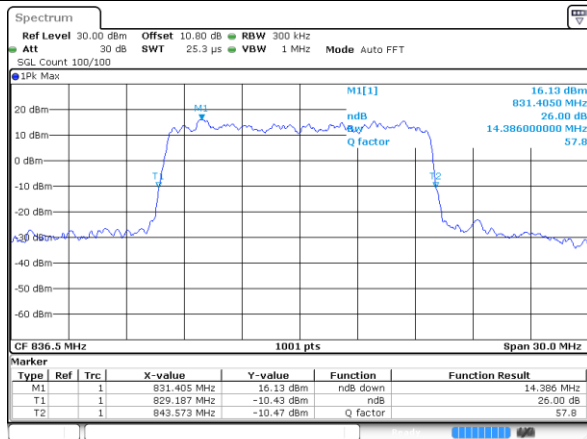
Date: 13 FEB 2020 08:58:38

Lowest Channel / 15MHz / 16QAM



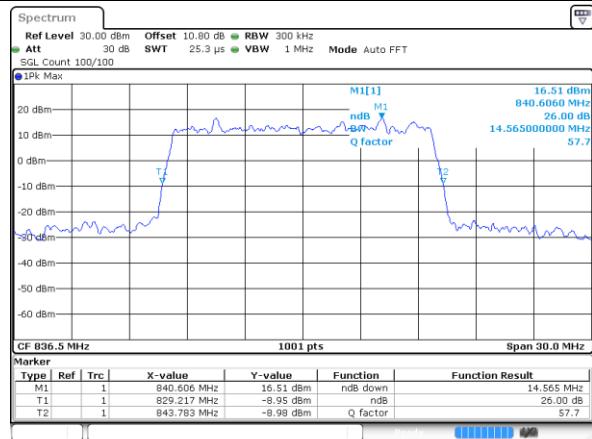
Date: 13 FEB 2020 08:58:27

Middle Channel / 15MHz / QPSK



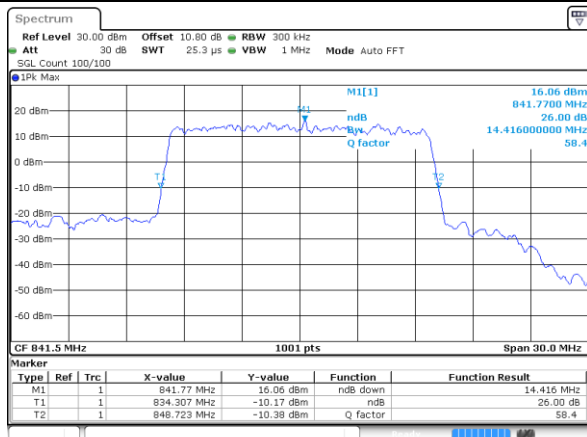
Date: 13 FEB 2020 09:04:51

Middle Channel / 15MHz / 16QAM



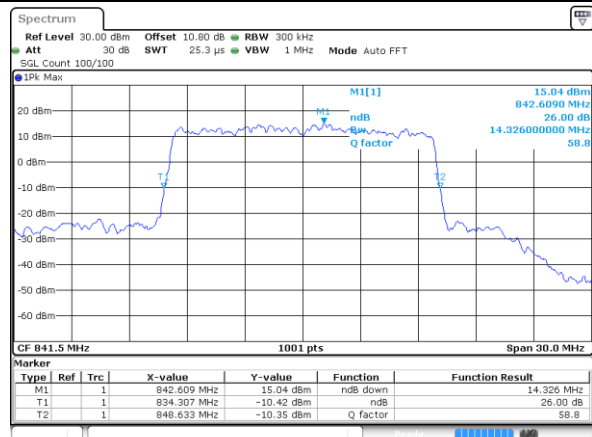
Date: 13 FEB 2020 09:04:39

Highest Channel / 15MHz / QPSK



Date: 13 FEB 2020 09:07:29

Highest Channel / 15MHz / 16QAM

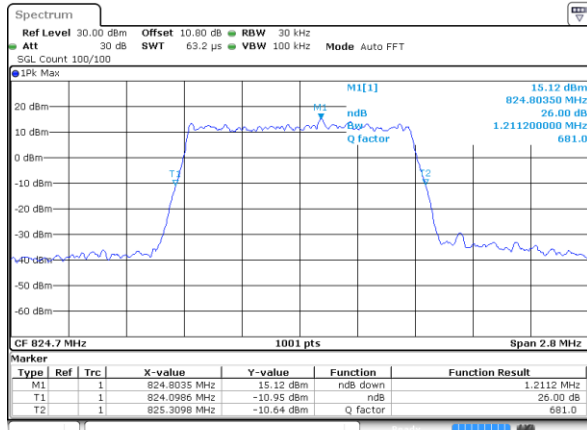


Date: 13 FEB 2020 09:07:17



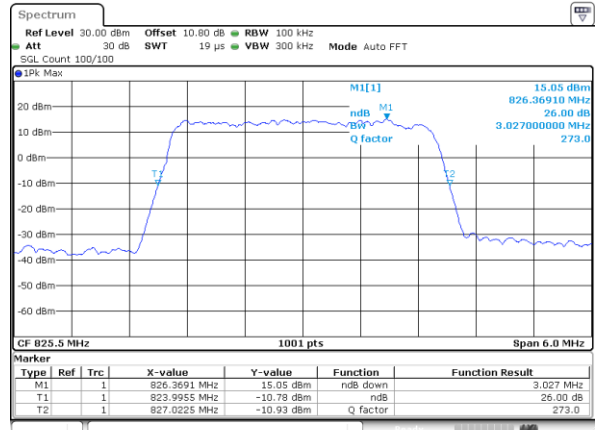
LTE Band 26

Lowest Channel / 1.4MHz / 64QAM



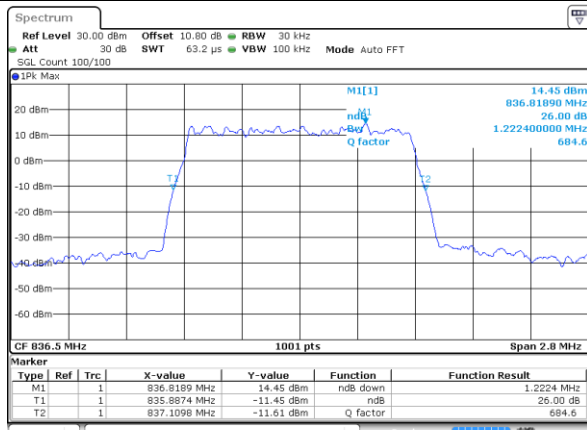
Date: 13.FEB.2020 09:41:38

Lowest Channel / 3MHz / 64QAM



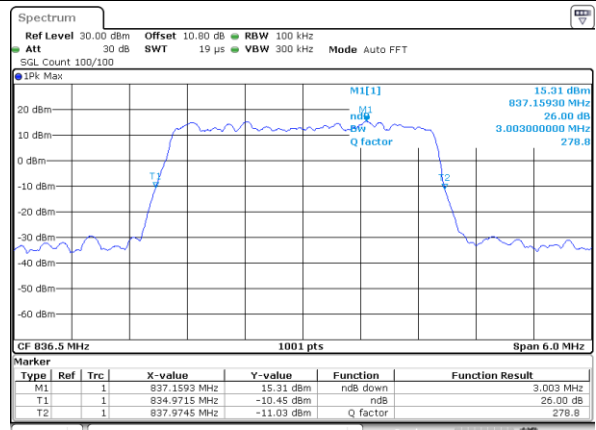
Date: 13.FEB.2020 08:18:52

Middle Channel / 1.4MHz / 64QAM



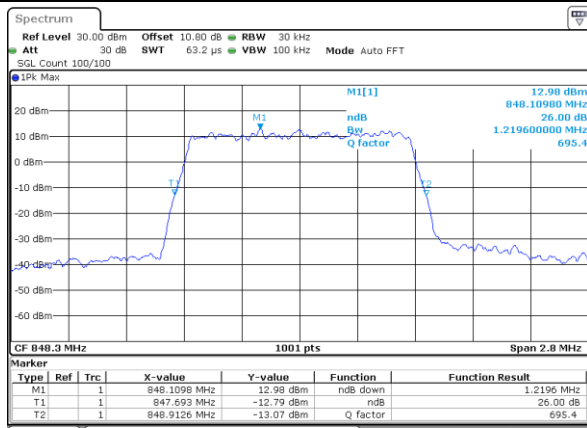
Date: 13.FEB.2020 09:46:16

Middle Channel / 3MHz / 64QAM



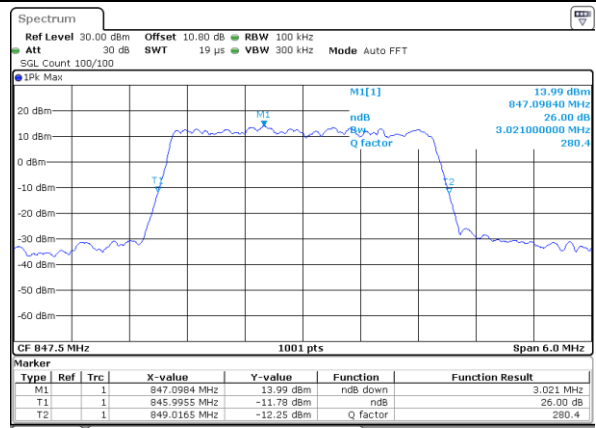
Date: 13.FEB.2020 08:22:12

Highest Channel / 1.4MHz / 64QAM



Date: 13.FEB.2020 09:47:34

Highest Channel / 3MHz / 64QAM

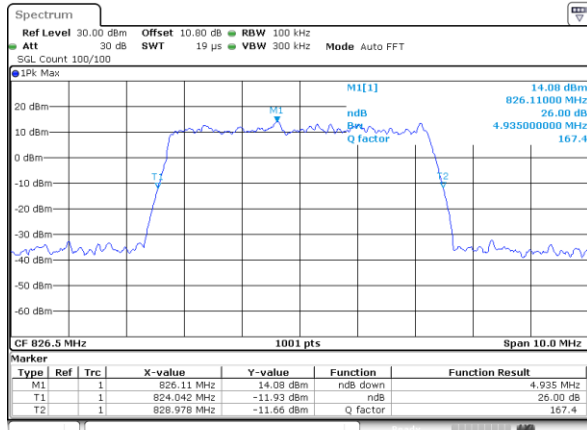


Date: 13.FEB.2020 08:23:39



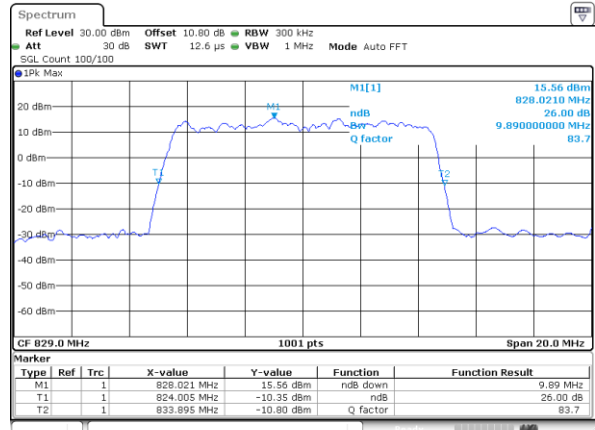
LTE Band 26

Lowest Channel / 5MHz / 64QAM



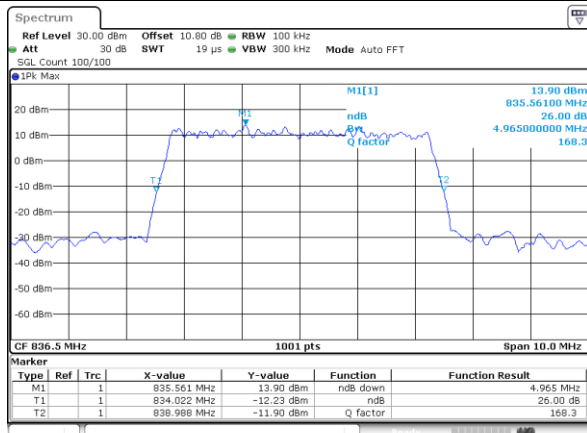
Date: 13.FEB.2020 08:27:01

Lowest Channel / 10MHz / 64QAM



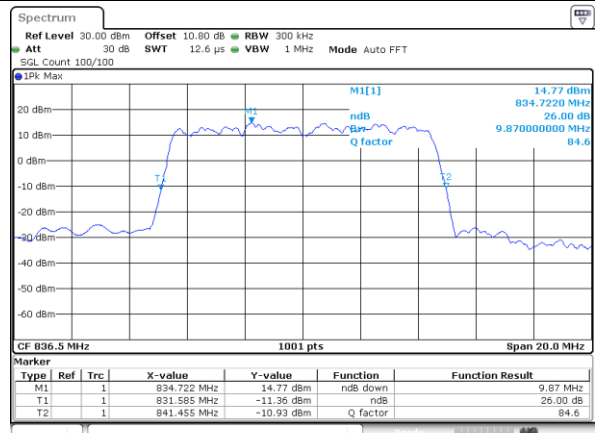
Date: 13.FEB.2020 08:35:08

Middle Channel / 5MHz / 64QAM



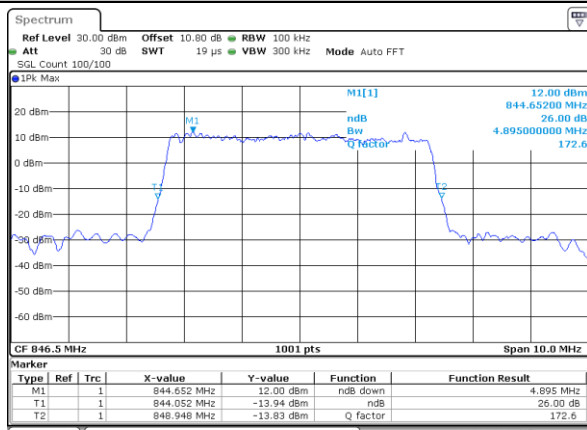
Date: 13.FEB.2020 08:30:21

Middle Channel / 10MHz / 64QAM



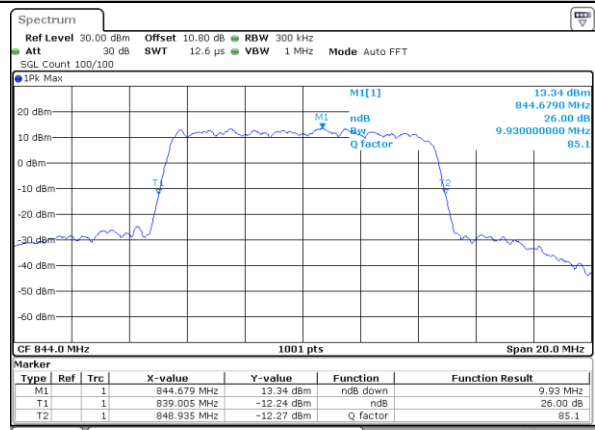
Date: 13.FEB.2020 08:38:27

Highest Channel / 5MHz / 64QAM



Date: 13.FEB.2020 08:31:48

Highest Channel / 10MHz / 64QAM

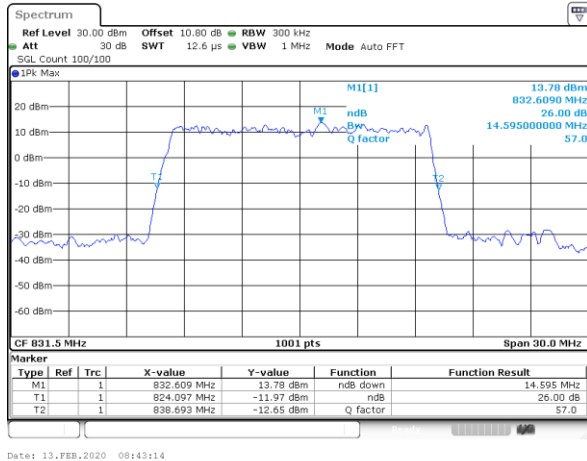


Date: 13.FEB.2020 08:39:55

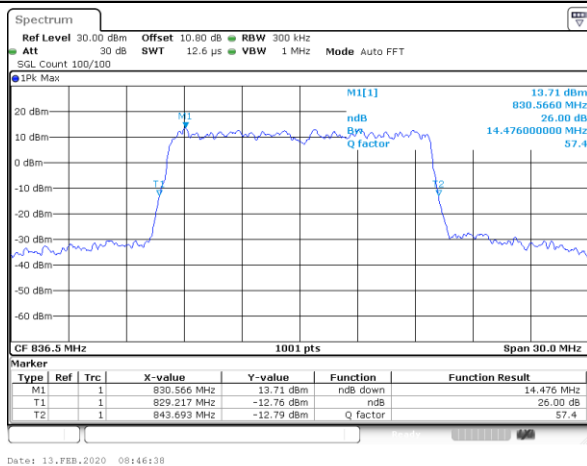


LTE Band 26

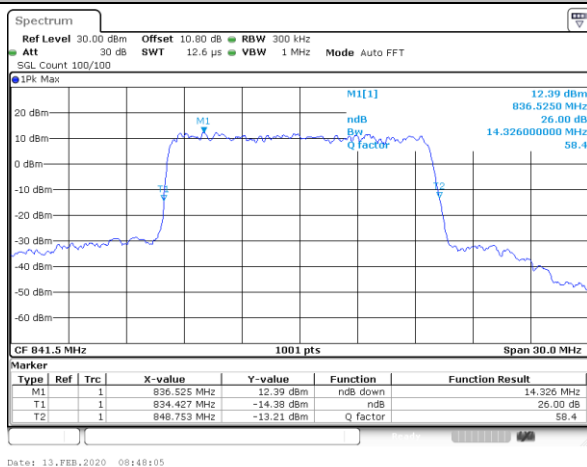
Lowest Channel / 15MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Highest Channel / 15MHz / 64QAM



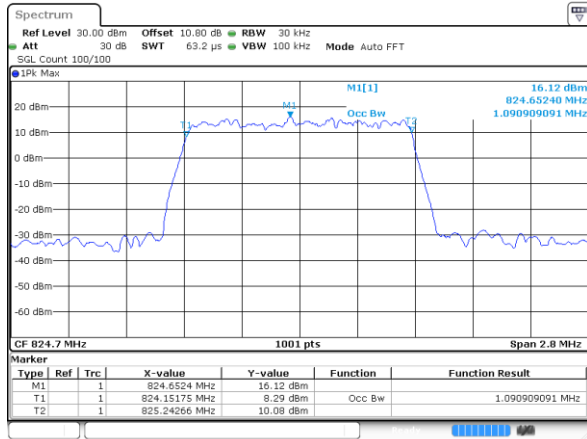
**Occupied Bandwidth**

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.70	2.72	4.48	4.49	9.03	8.93	13.49	13.37	-	-
Middle CH	1.09	1.09	2.71	2.72	4.49	4.46	9.07	8.97	13.46	13.37	-	-
Highest CH	1.09	1.09	2.73	2.73	4.47	4.51	9.03	9.01	13.40	13.43	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.08	-	2.70	-	4.50	-	9.01	-	13.49	-	-	-
Middle CH	1.09	-	2.72	-	4.47	-	9.01	-	13.43	-	-	-
Highest CH	1.09	-	2.72	-	4.47	-	8.99	-	13.37	-	-	-

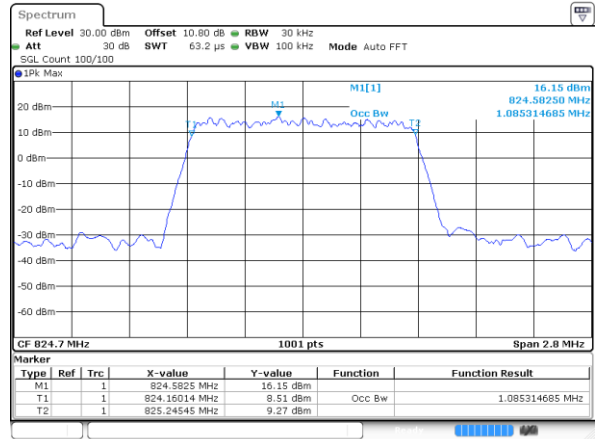


LTE Band 26

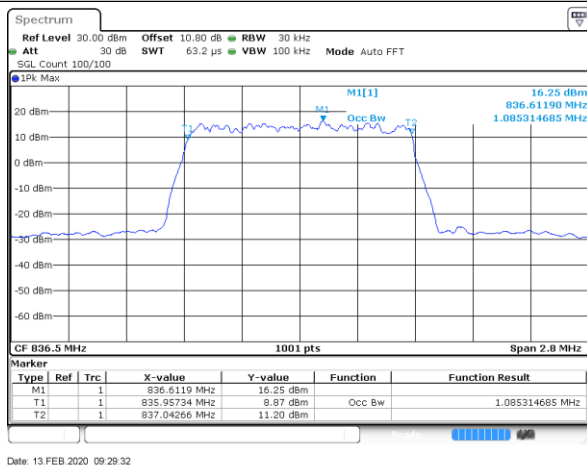
Lowest Channel / 1.4MHz / QPSK



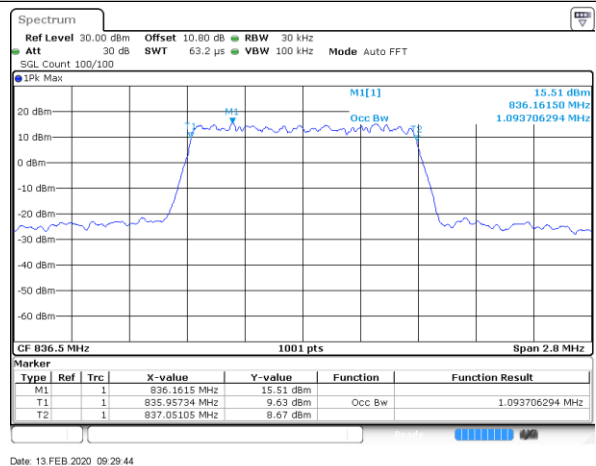
Lowest Channel / 1.4MHz / 16QAM



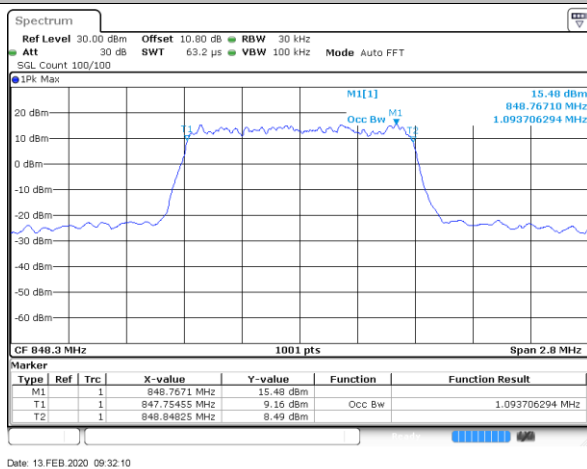
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM

