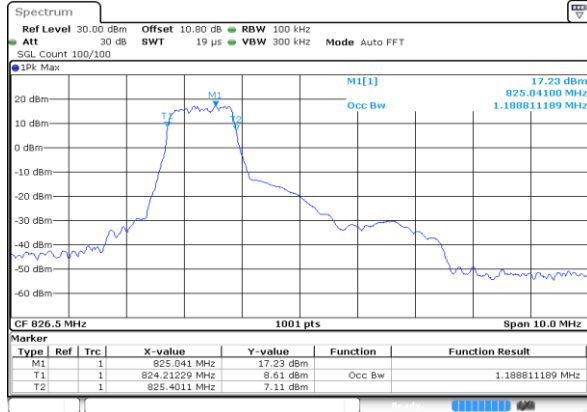


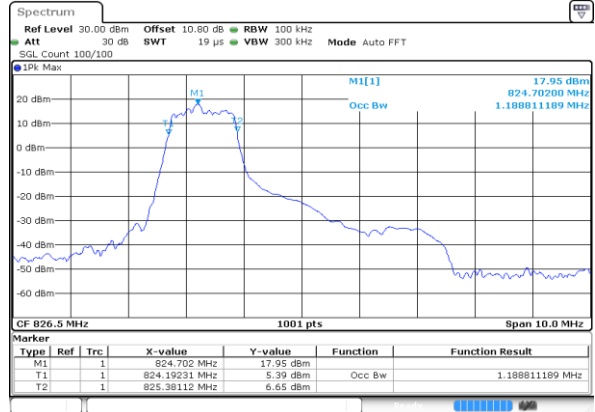


LTE Band 5

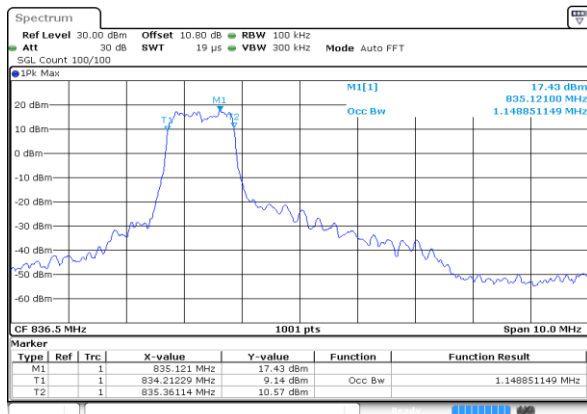
Lowest Channel / 5MHz / QPSK



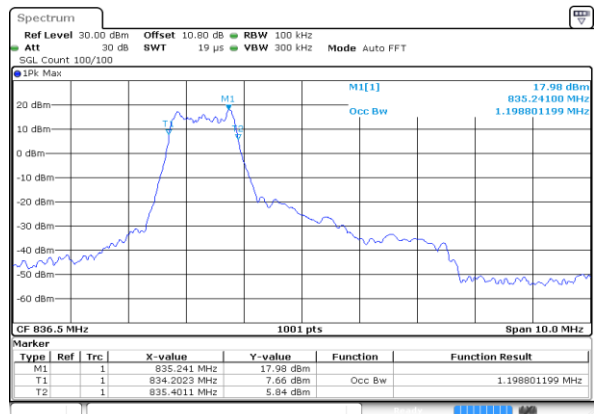
Lowest Channel / 5MHz / 16QAM



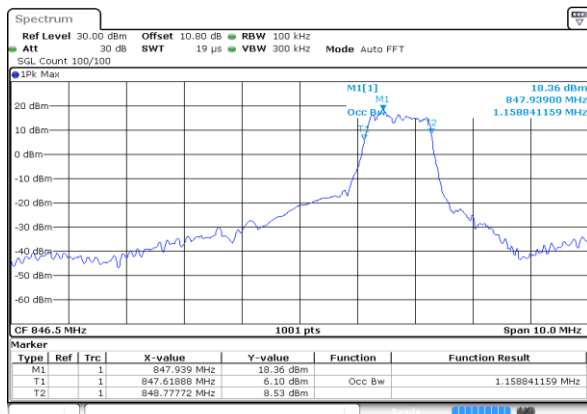
Middle Channel / 5MHz / QPSK



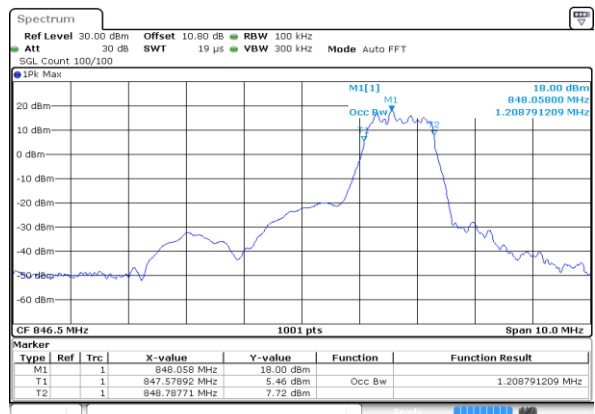
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



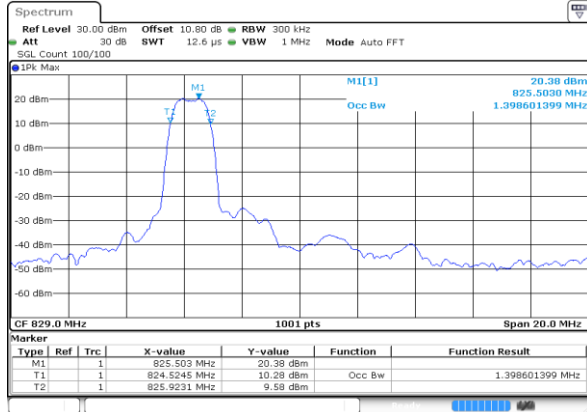
Highest Channel / 5MHz / 16QAM



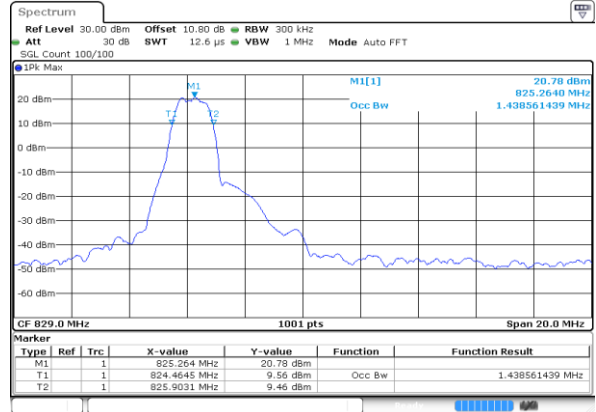


LTE Band 5

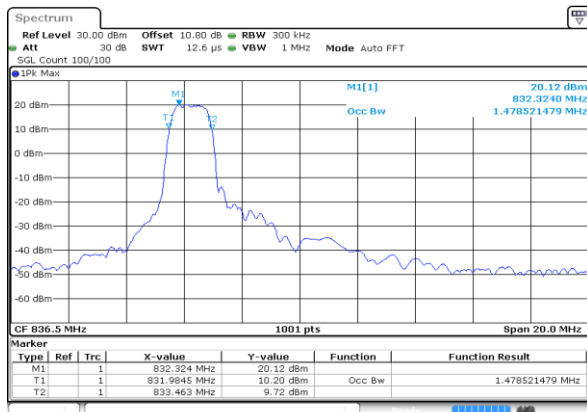
Lowest Channel / 10MHz / QPSK



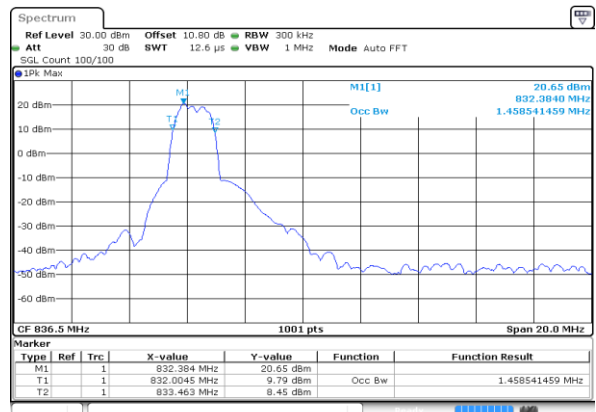
Lowest Channel / 10MHz / 16QAM



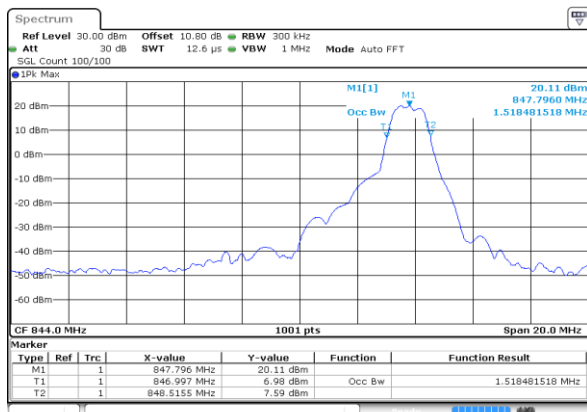
Middle Channel / 10MHz / QPSK



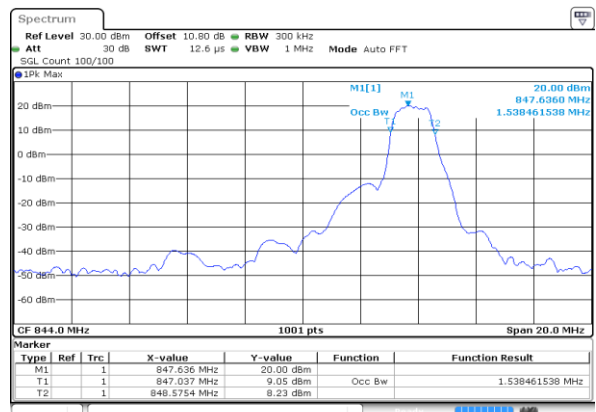
Middle Channel / 10MHz / 16QAM

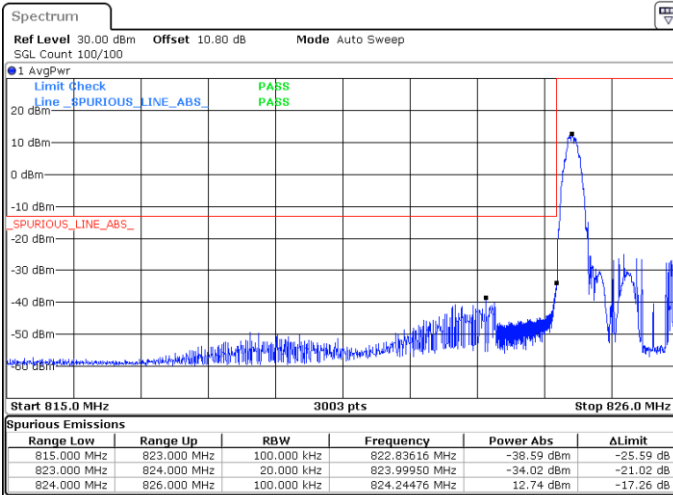


Highest Channel / 10MHz / QPSK

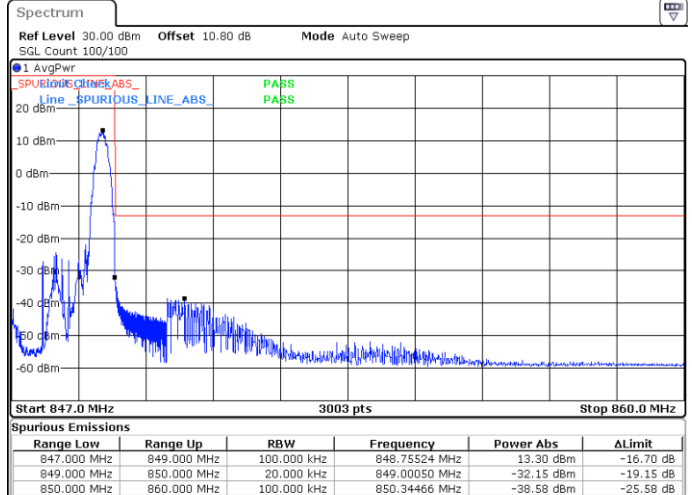


Highest Channel / 10MHz / 16QAM

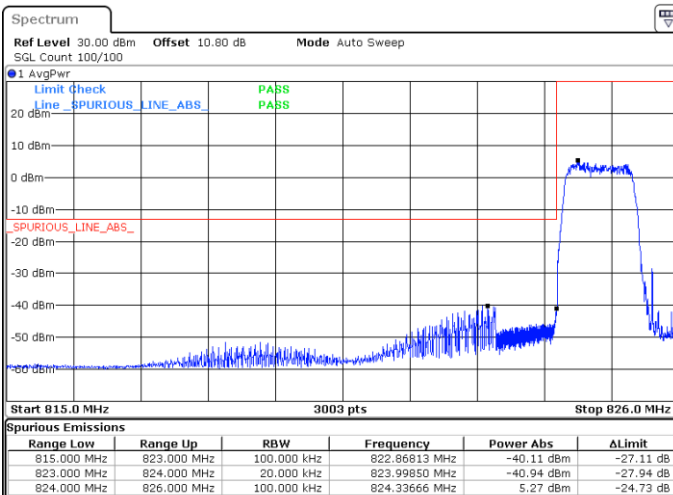


**Conducted Band Edge****LTE Band 5 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB**

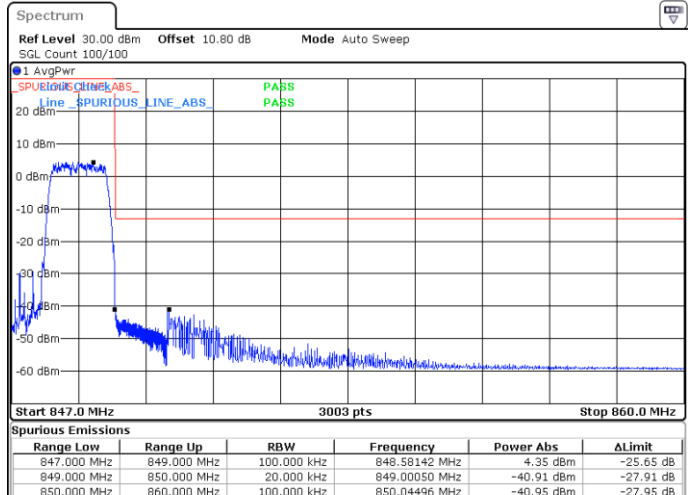
Date: 24 FEB 2020 14:57:34



Date: 24 FEB 2020 15:13:23

Lowest Band Edge / Full RB**Highest Band Edge / Full RB**

Date: 24 FEB 2020 15:01:08



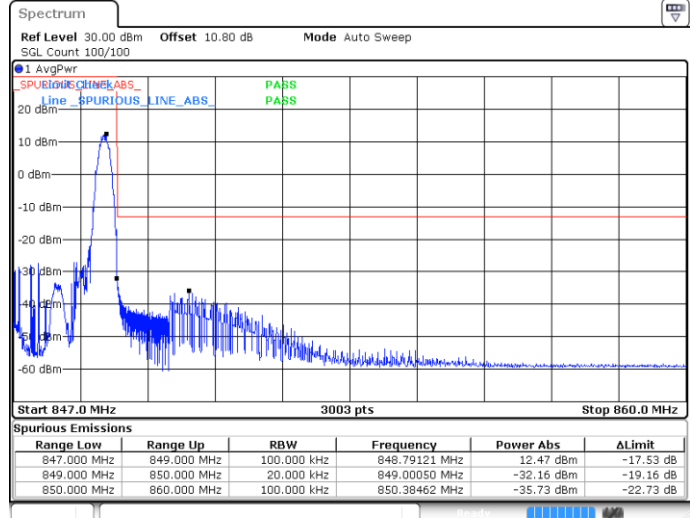
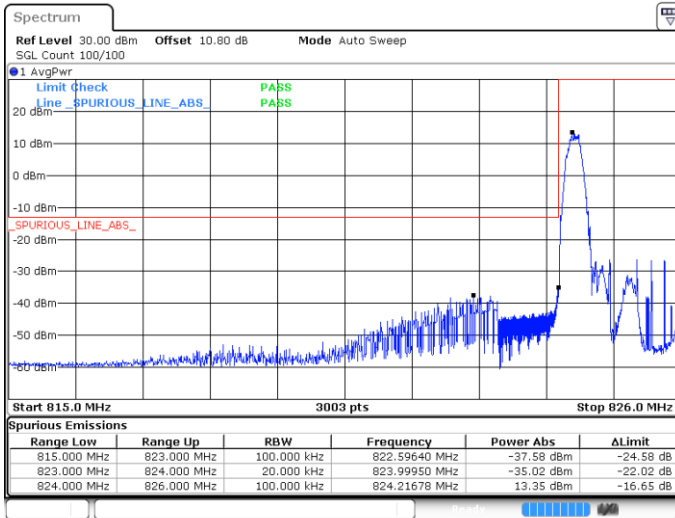
Date: 24 FEB 2020 15:09:50



LTE Band 5 / 1.4MHz / 16QAM

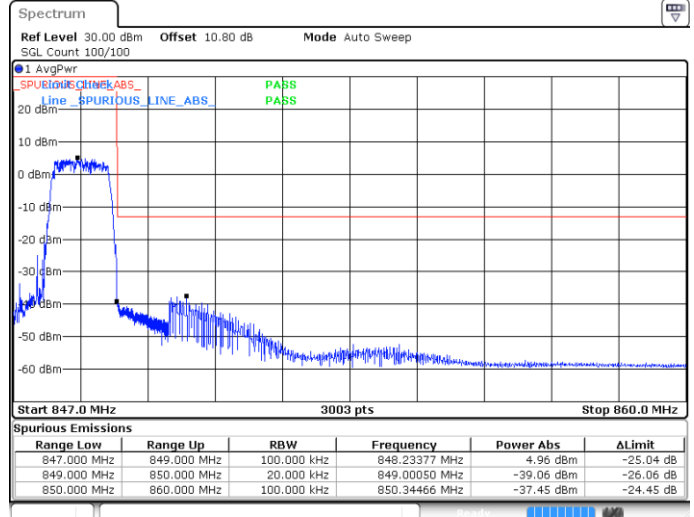
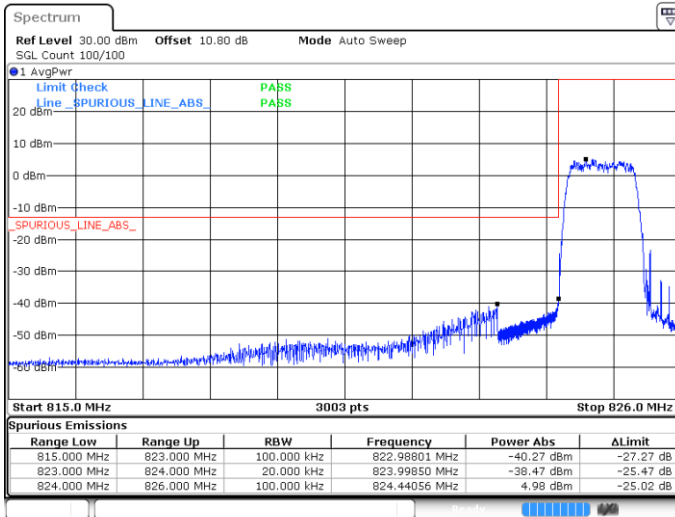
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

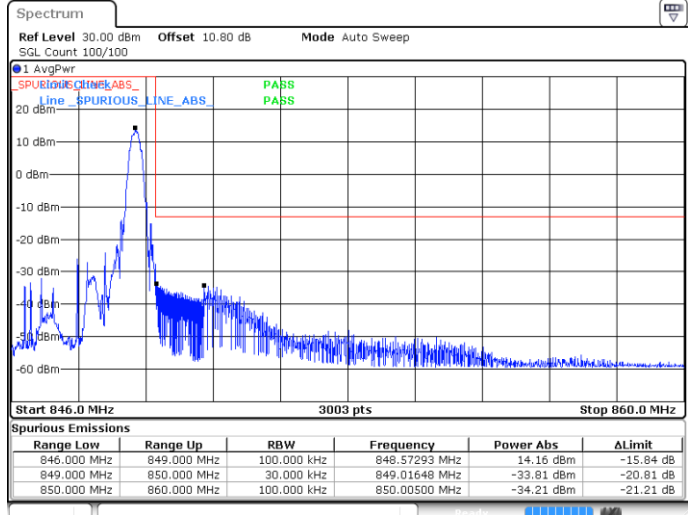
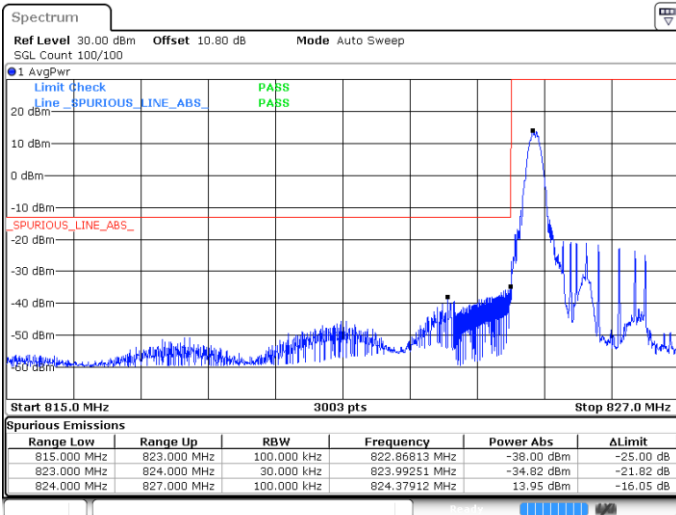




LTE Band 5 / 3MHz / QPSK

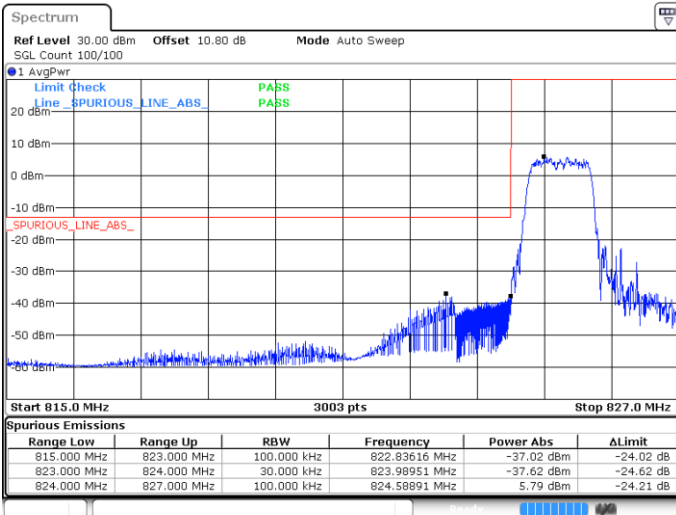
Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

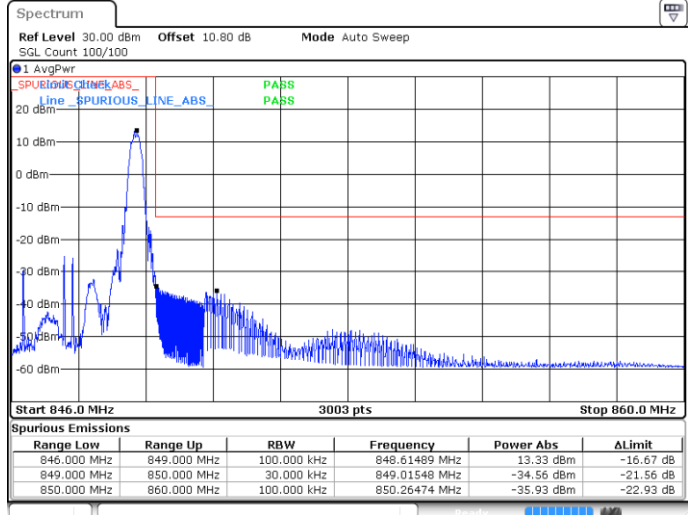
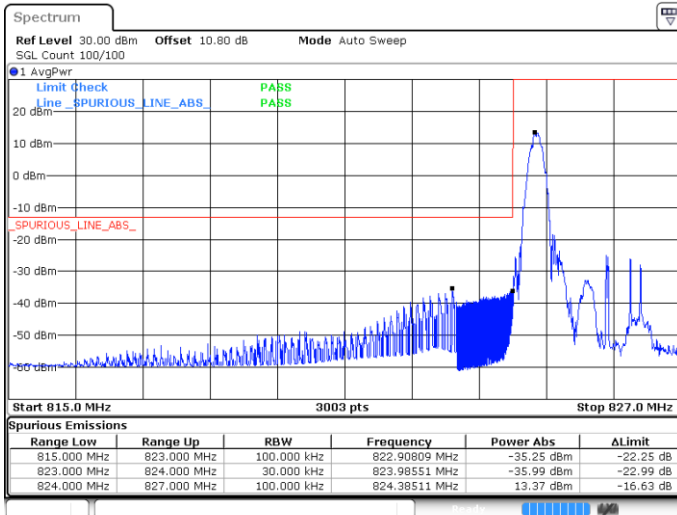




LTE Band 5 / 3MHz / 16QAM

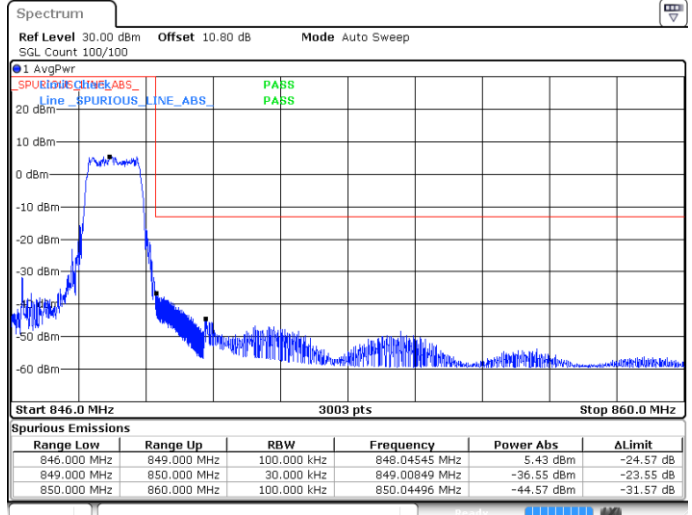
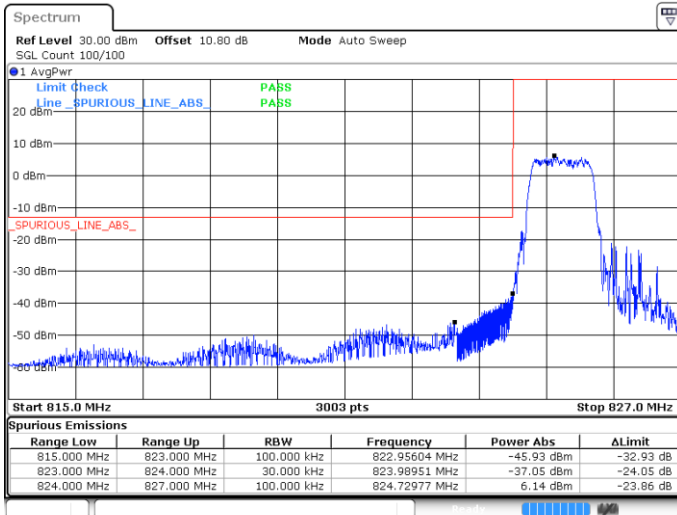
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

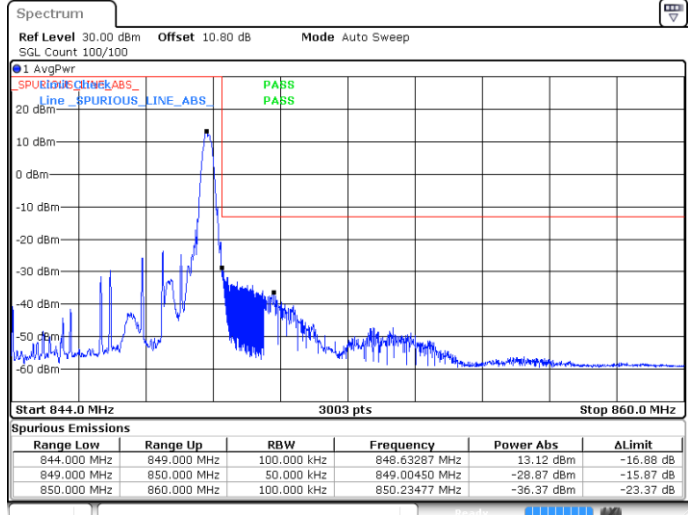
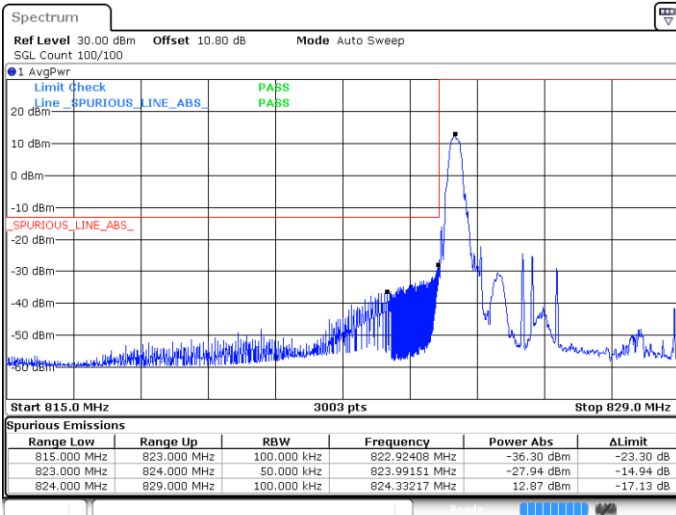




LTE Band 5 / 5MHz / QPSK

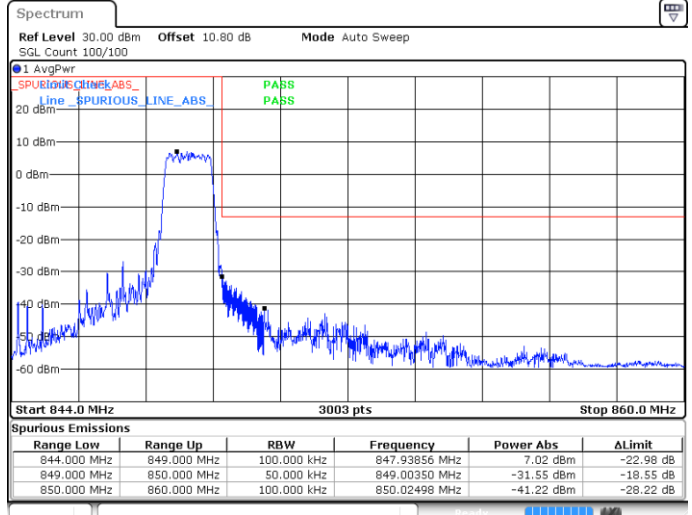
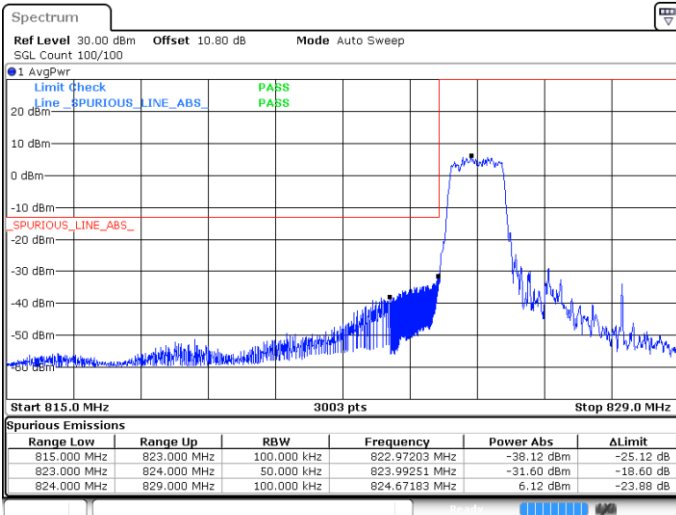
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

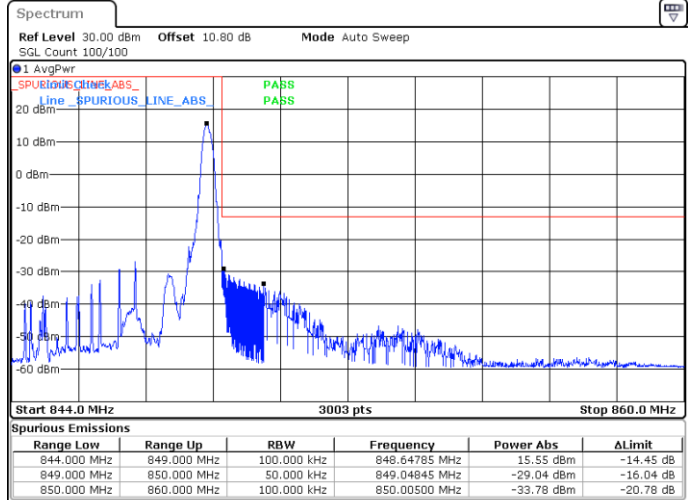
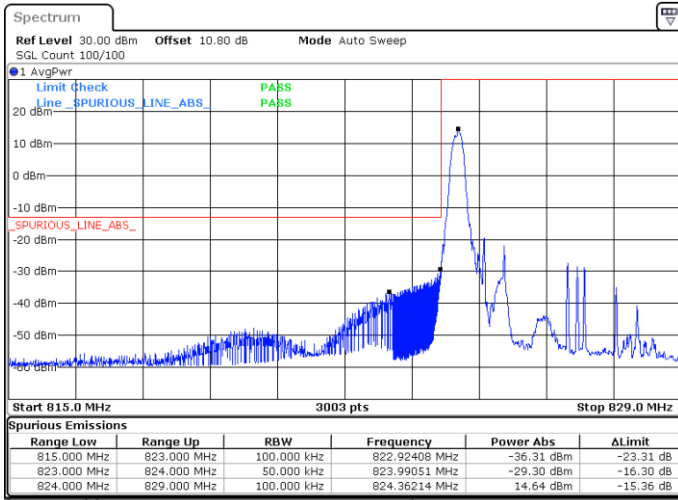




LTE Band 5 / 5MHz / 16QAM

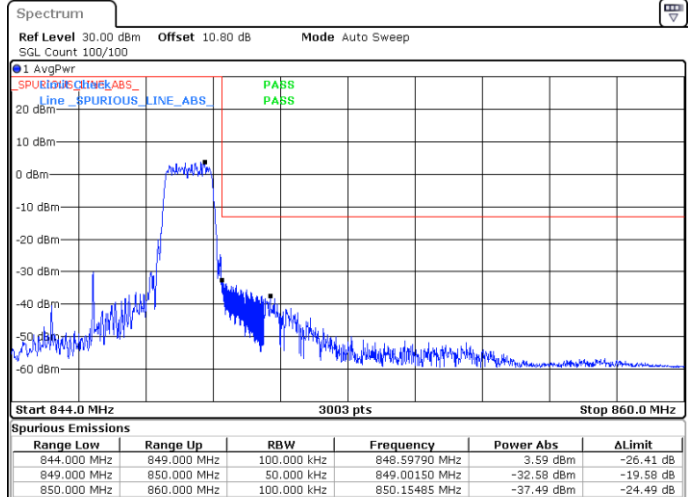
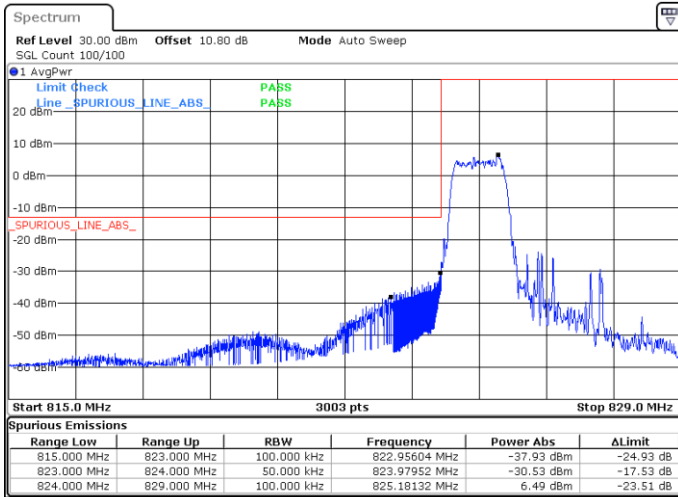
Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

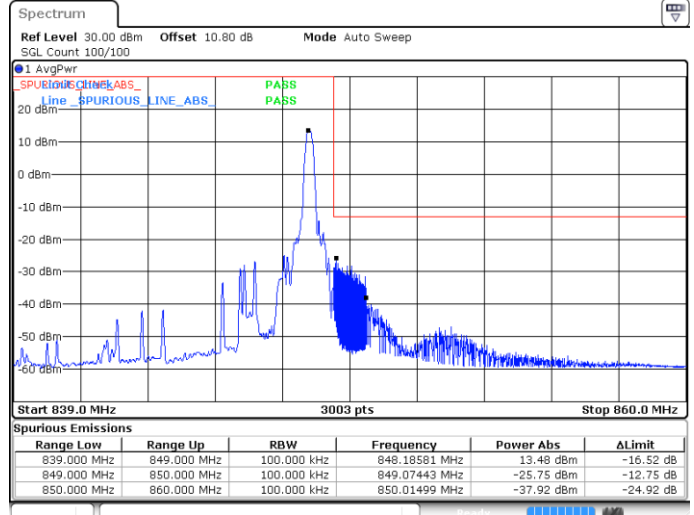
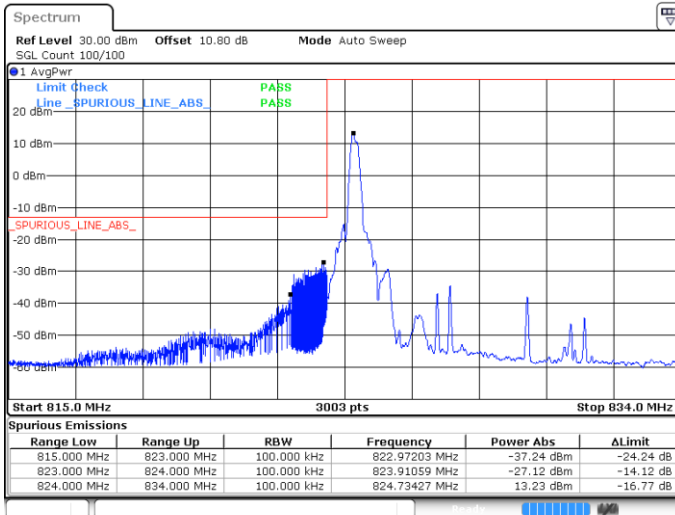




LTE Band 5 / 10MHz / QPSK

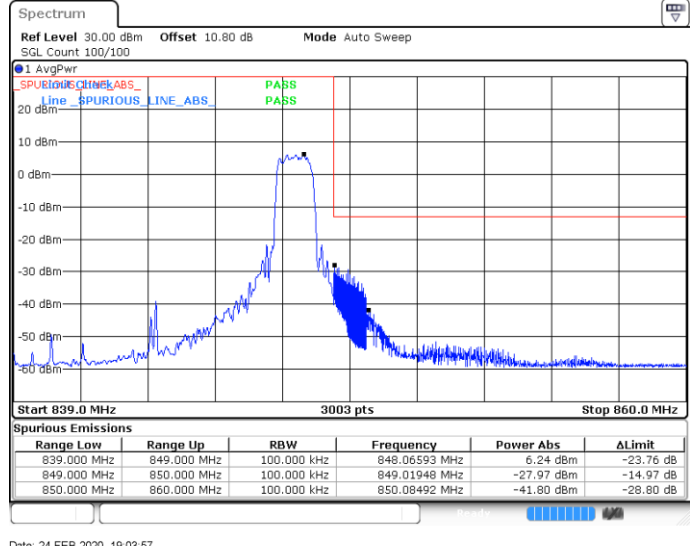
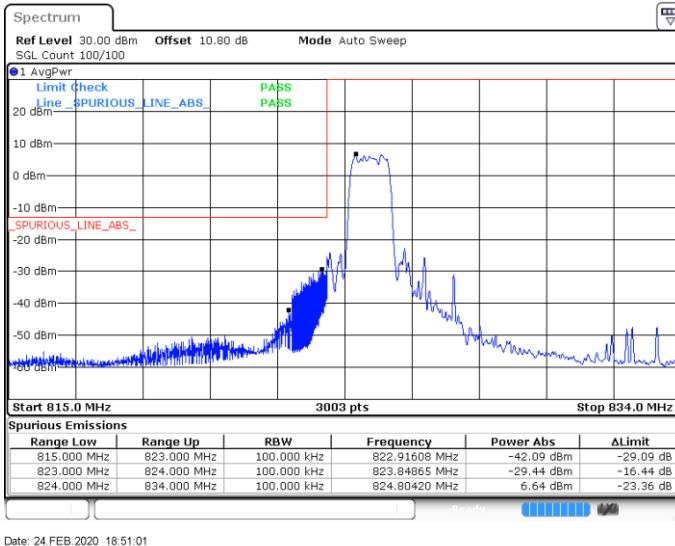
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

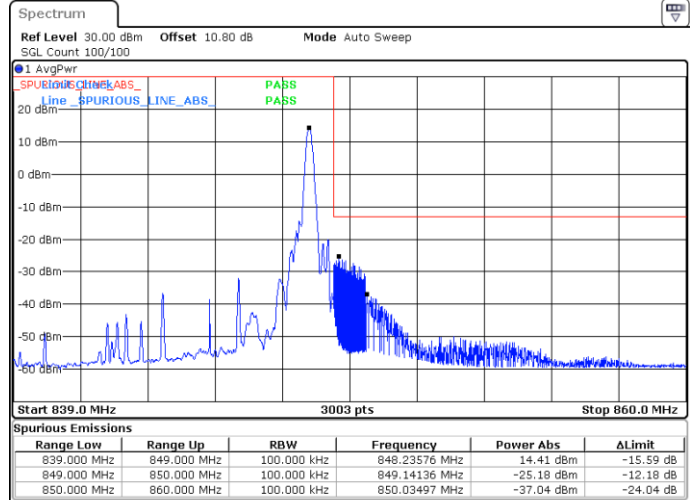
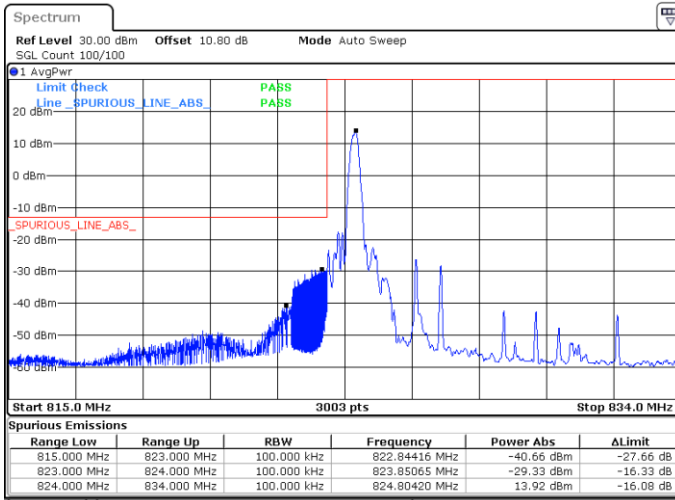




LTE Band 5 / 10MHz / 16QAM

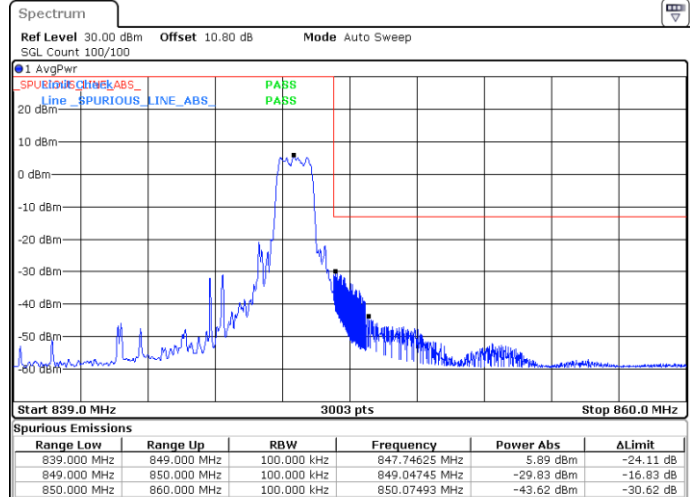
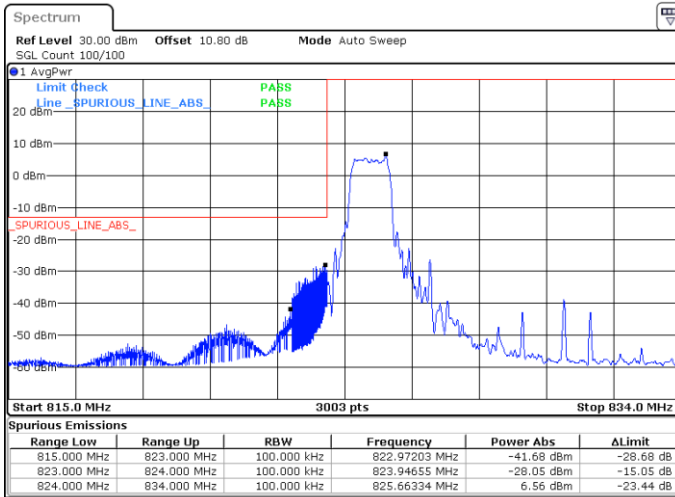
Lowest Band Edge / 1 RB

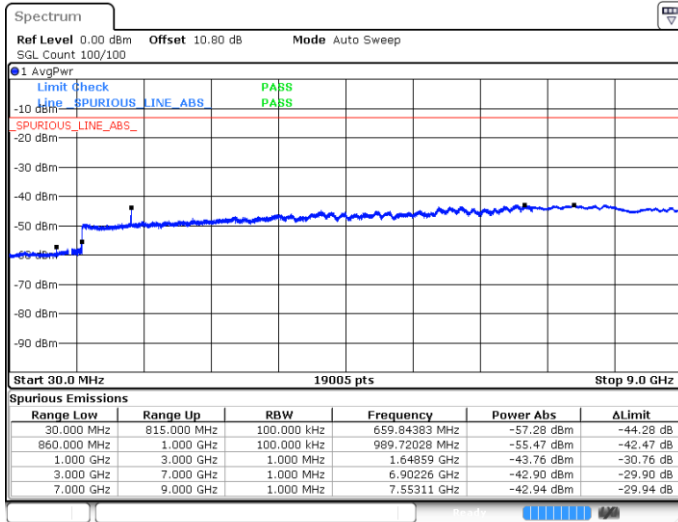
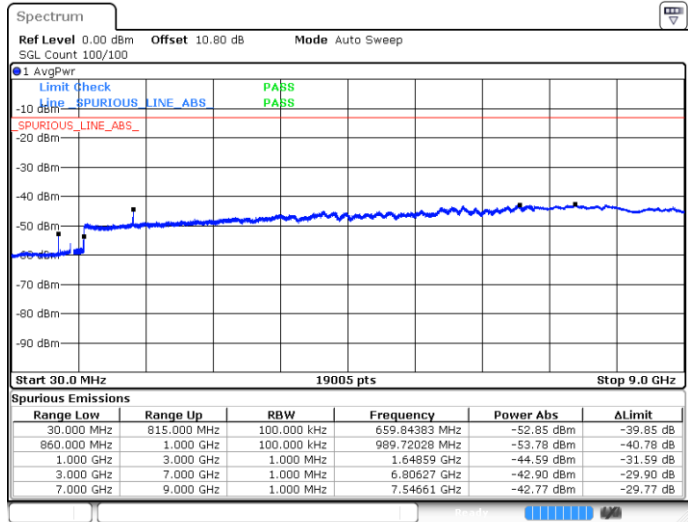
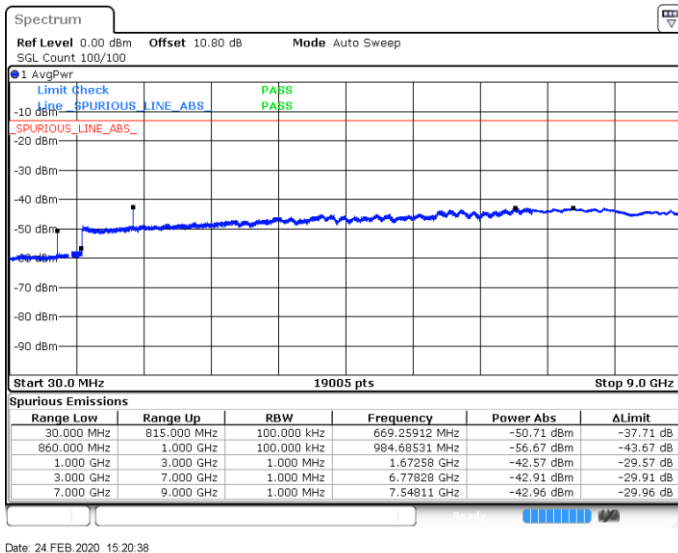
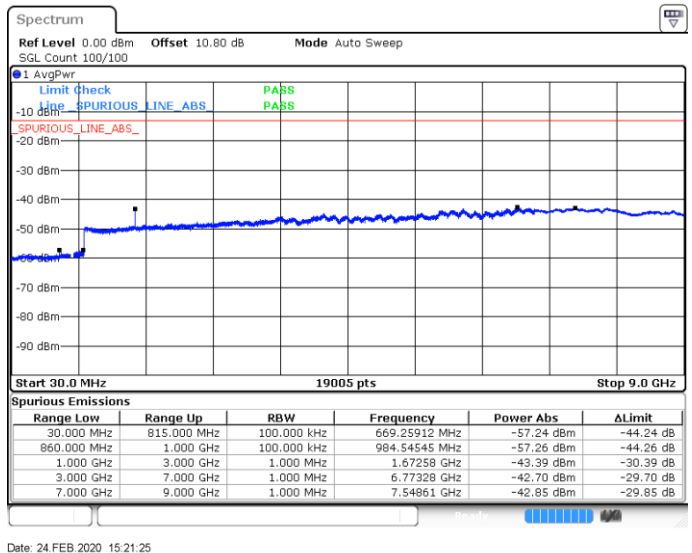
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

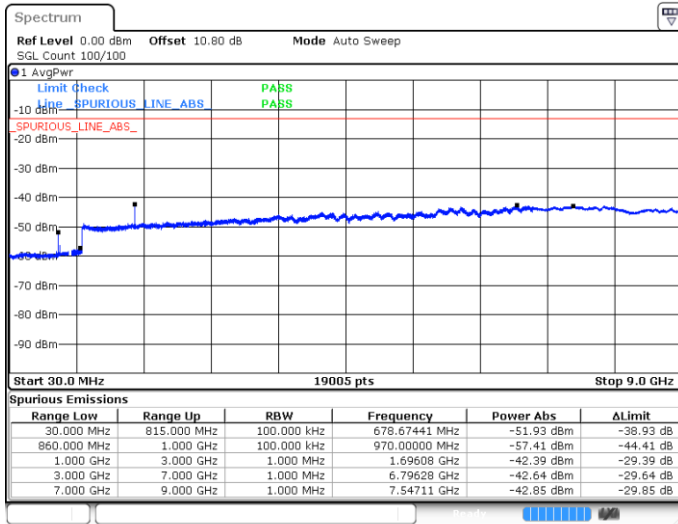


**Conducted Spurious Emission****LTE Band 5 / 1.4MHz****Lowest Channel / QPSK****Lowest Channel / 16QAM****Middle Channel / QPSK****Middle Channel / 16QAM**

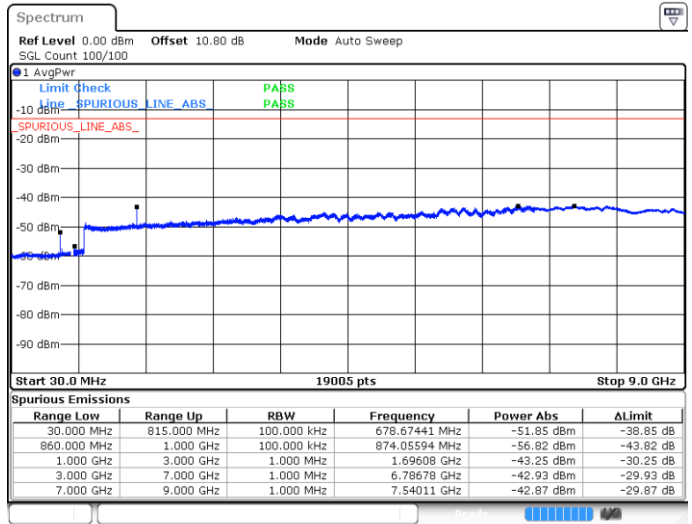


LTE Band 5 / 1.4MHz

Highest Channel / QPSK

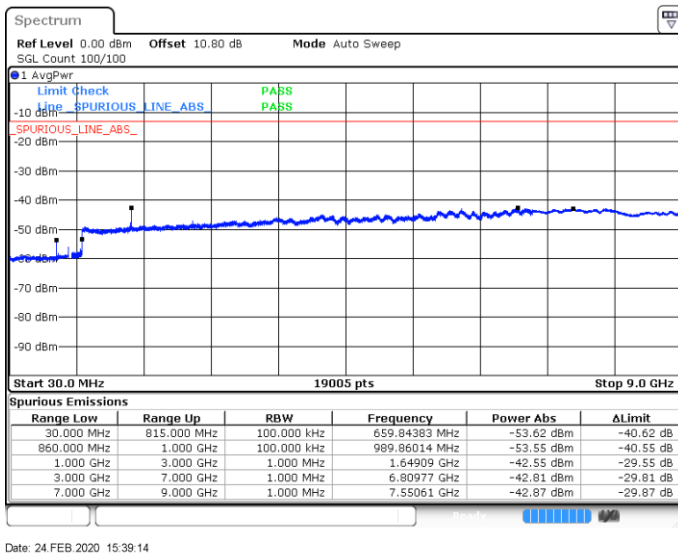


Highest Channel / 16QAM

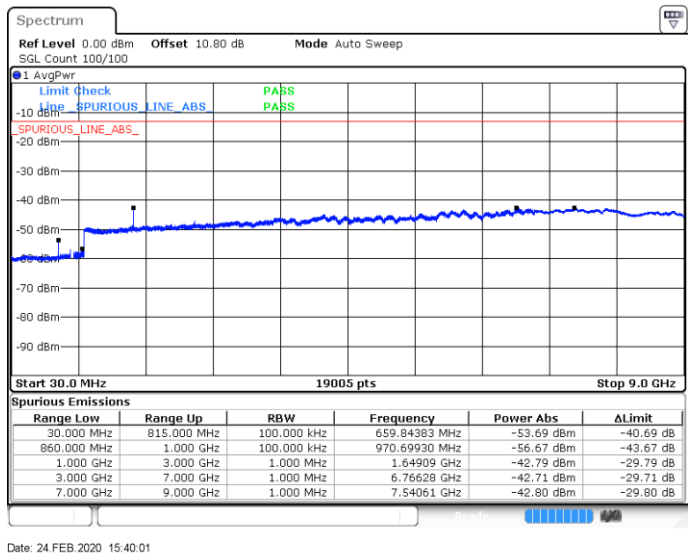


LTE Band 5 / 3MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

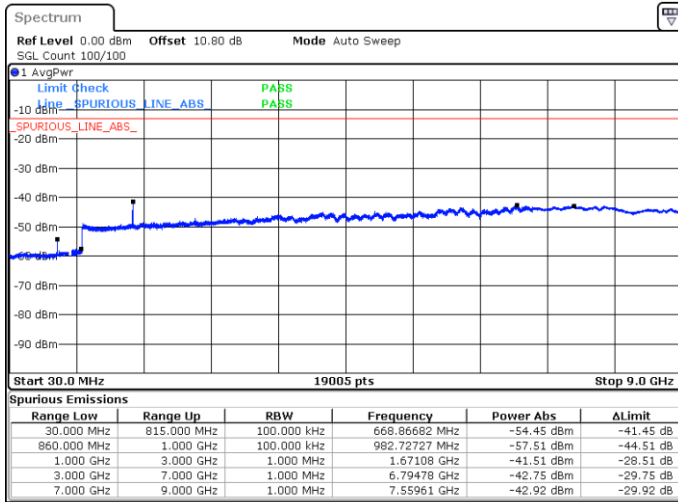




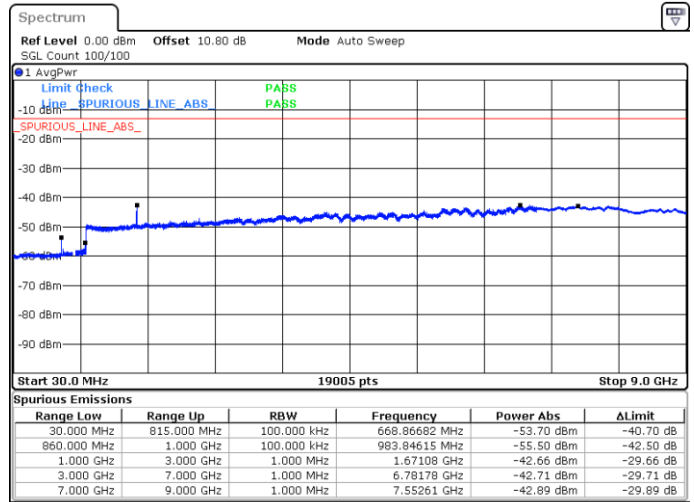
LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



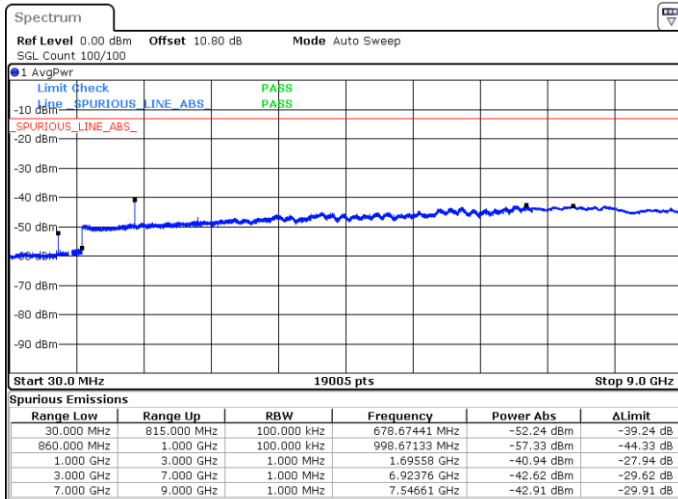
Date: 24 FEB 2020 15:23:59



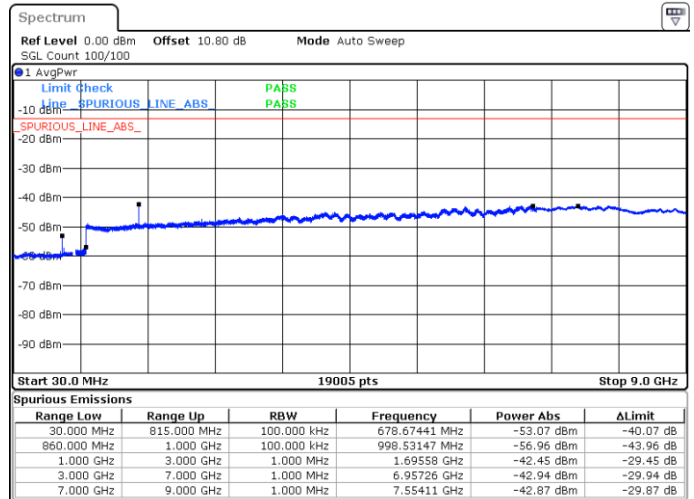
Date: 24 FEB 2020 15:24:46

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 24 FEB 2020 15:54:13

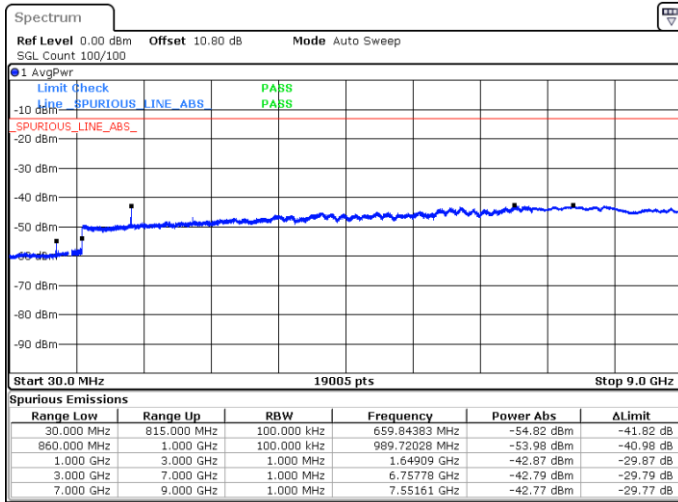


Date: 24 FEB 2020 15:55:00



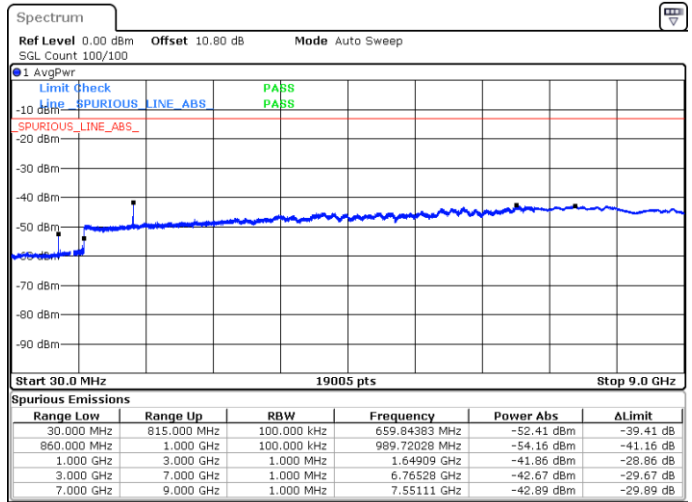
LTE Band 5 / 5MHz

Lowest Channel / QPSK



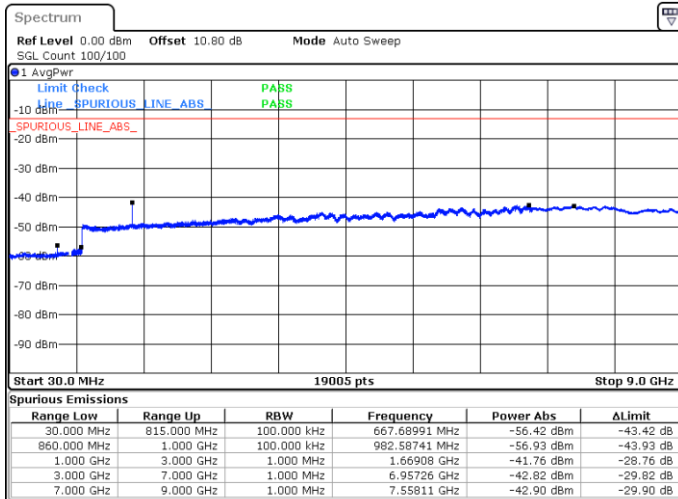
Date: 24 FEB 2020 16:53:28

Lowest Channel / 16QAM



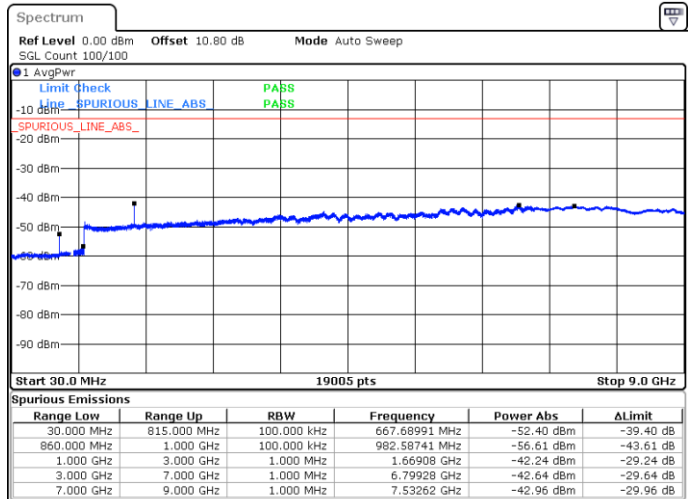
Date: 24 FEB 2020 16:54:14

Middle Channel / QPSK



Date: 24 FEB 2020 16:42:21

Middle Channel / 16QAM

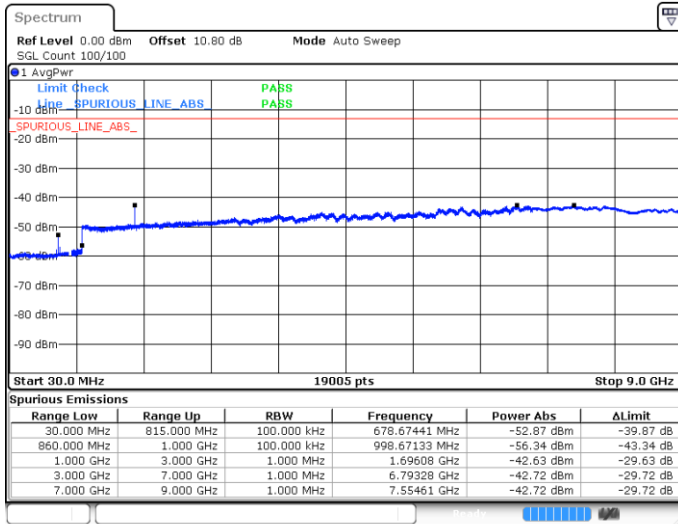


Date: 24 FEB 2020 16:43:08

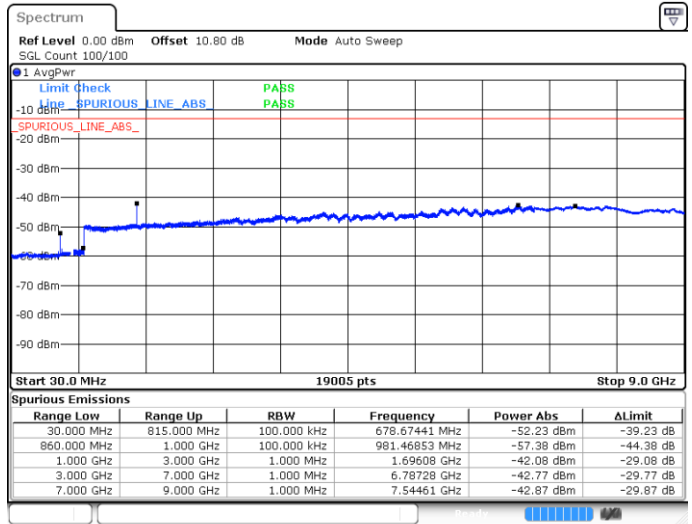


LTE Band 5 / 5MHz

Highest Channel / QPSK

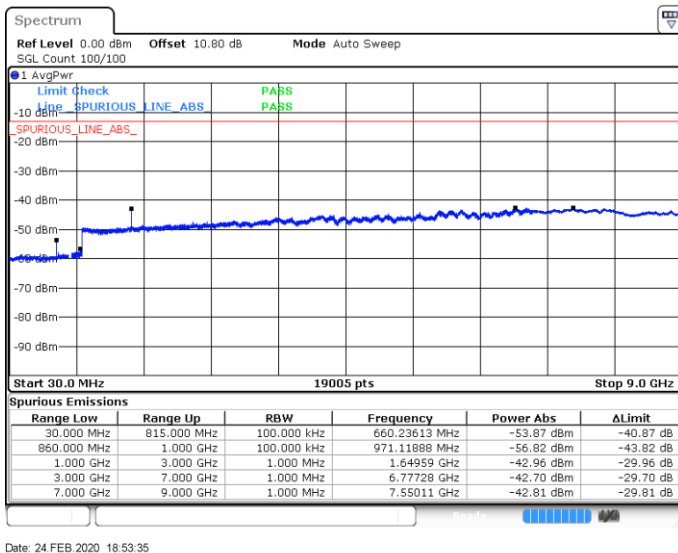


Highest Channel / 16QAM

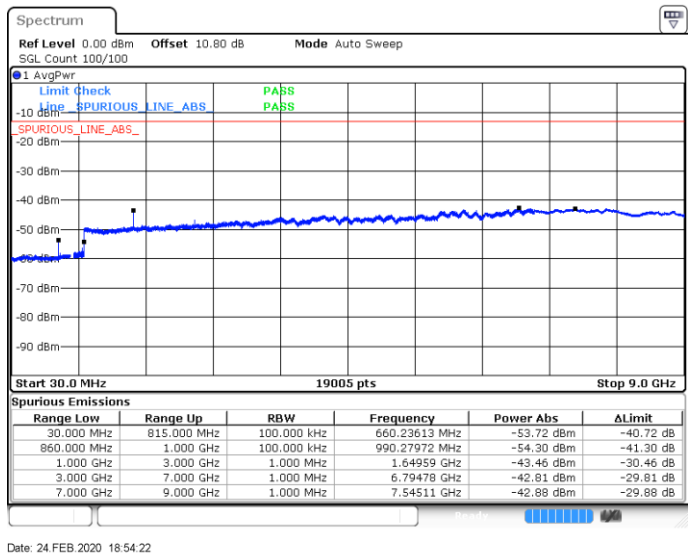


LTE Band 5 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

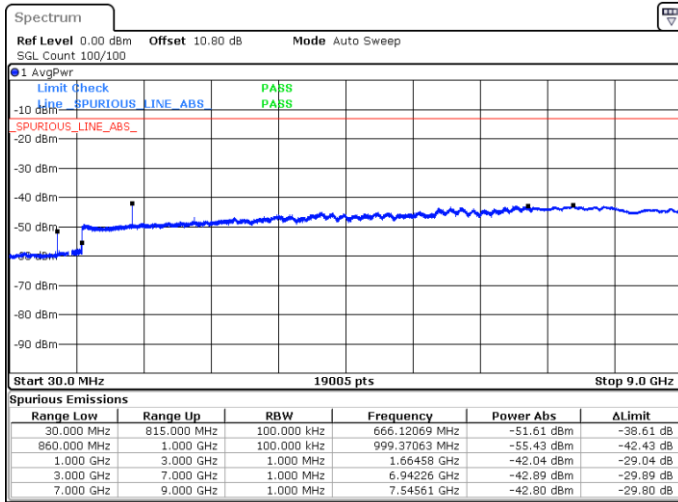




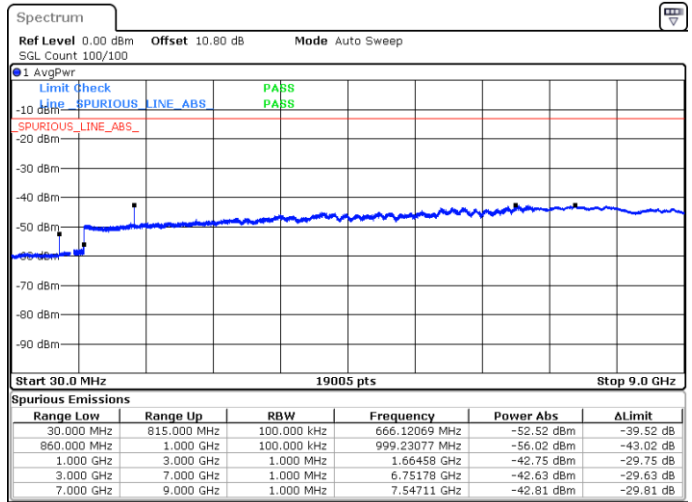
LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



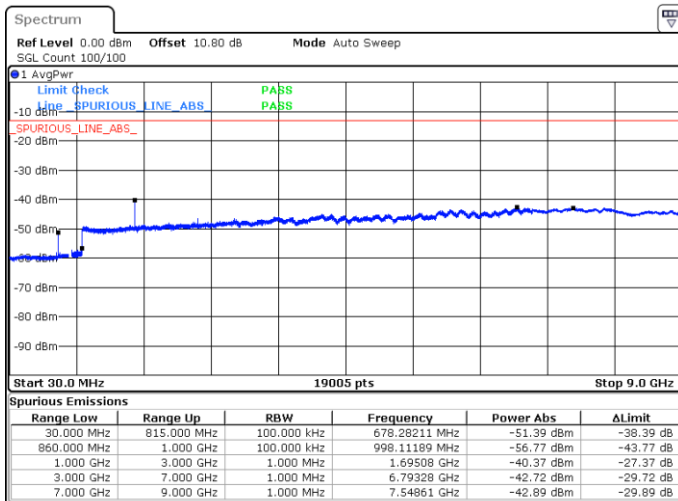
Date: 24 FEB 2020 18:35:29



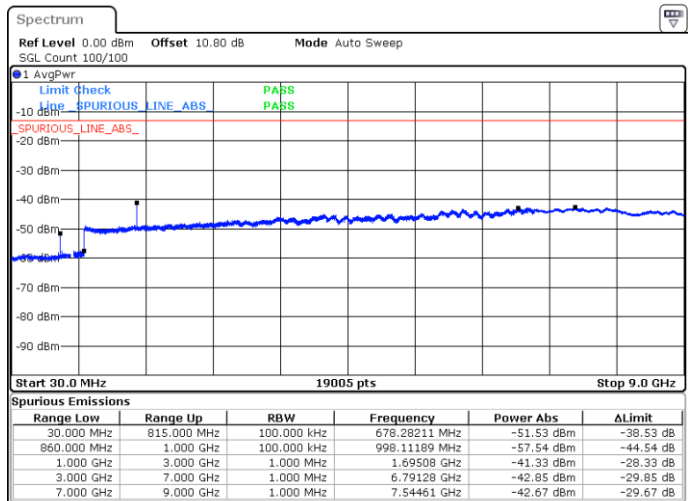
Date: 24 FEB 2020 18:36:15

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 24 FEB 2020 19:06:31



Date: 24 FEB 2020 19:07:18

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0094	
30	Normal Voltage	0.0085	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0093	
-20	Normal Voltage	0.0073	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =5.00 V. ; Battery End Point (BEP) =4.75 V. ; Maximum Voltage =5.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

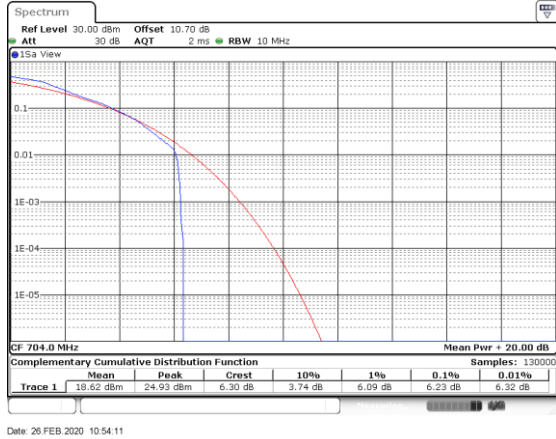
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.23	5.42	6.78	5.86	PASS
Middle CH	4.90	4.93	6.26	6.93	
Highest CH	6.00	4.93	5.57	6.70	

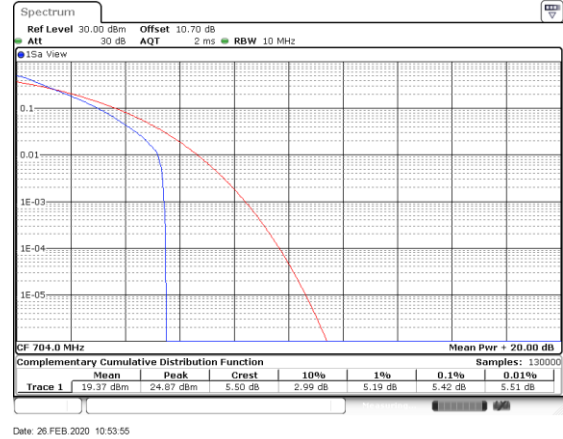


LTE Band 12 / 10MHz / QPSK

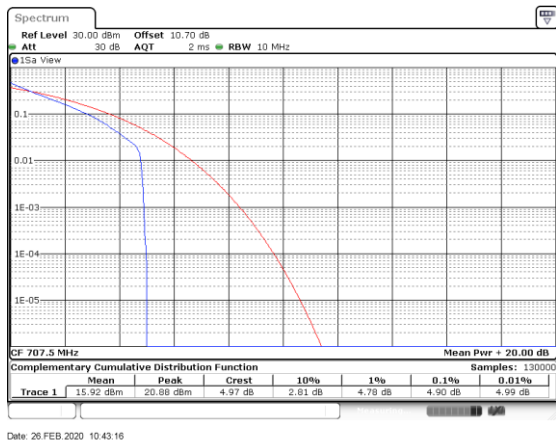
Lowest Channel / 1RB



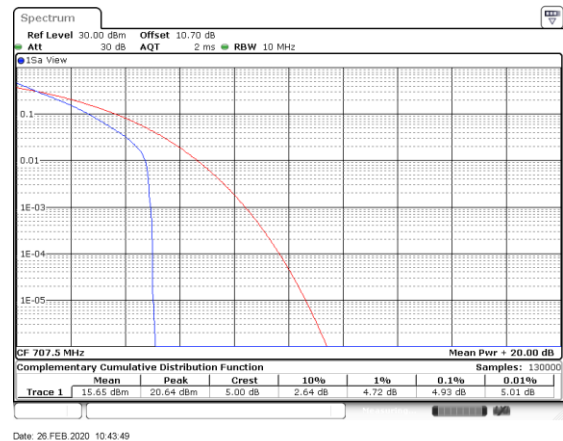
Lowest Channel / Full RB



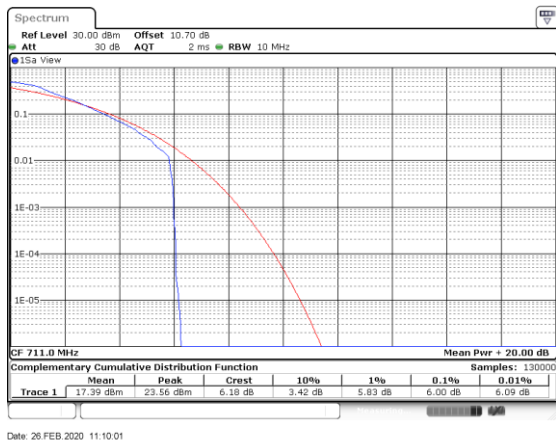
Middle Channel / 1RB



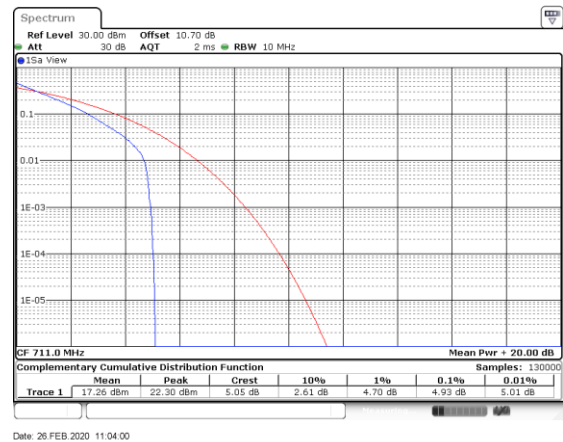
Middle Channel / Full RB



Highest Channel / 1RB



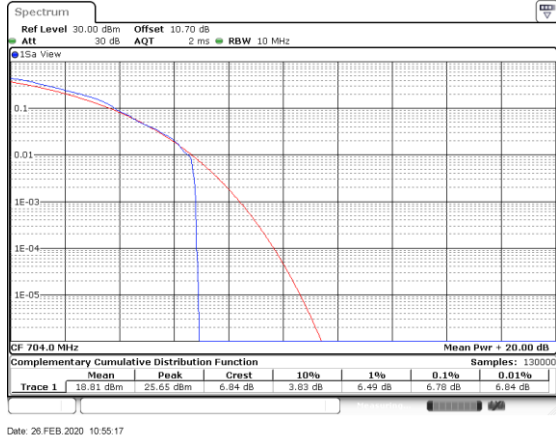
Highest Channel / Full RB



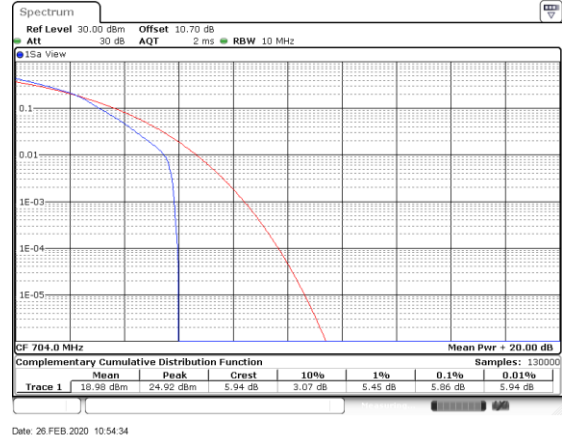


LTE Band 12 / 10MHz / 16QAM

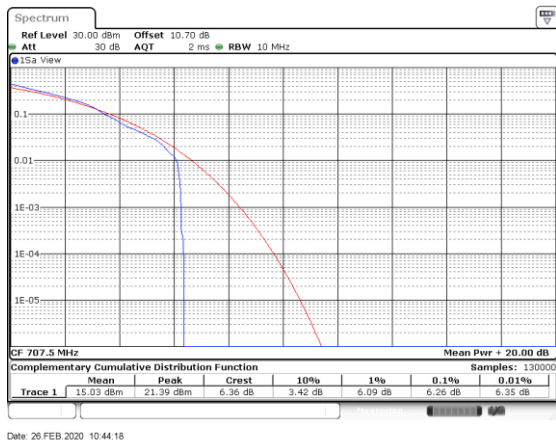
Lowest Channel / 1RB



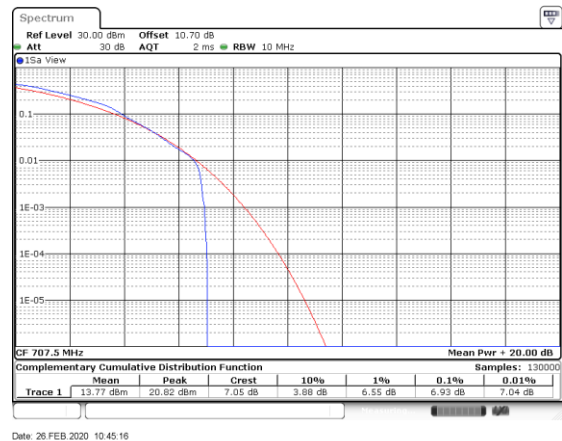
Lowest Channel / Full RB



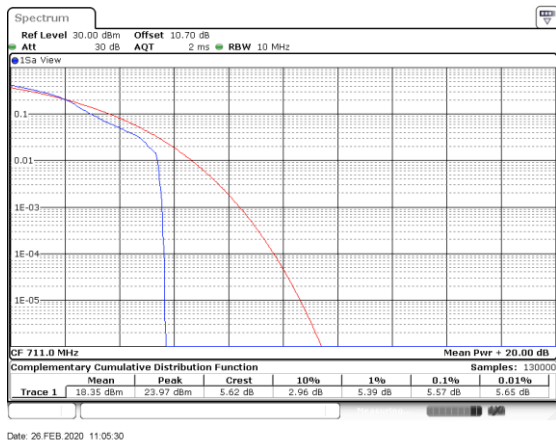
Middle Channel / 1RB



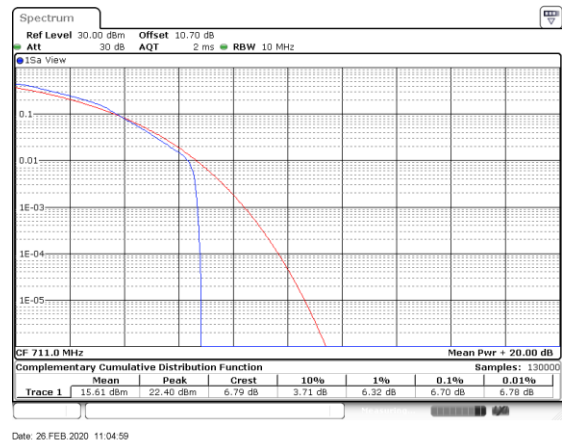
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



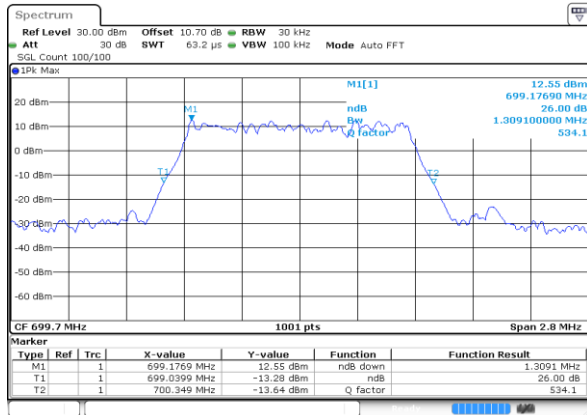
**26dB Bandwidth**

Mode	LTE Band 12 : 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	1.31	1.27	1.47	1.63	1.53	1.43	1.78	2.02	-	-	-	-
Middle CH	1.21	1.30	1.52	1.54	1.45	1.44	2.08	1.74	-	-	-	-
Highest CH	1.27	1.33	1.43	1.47	1.50	1.59	2.12	1.76	-	-	-	-

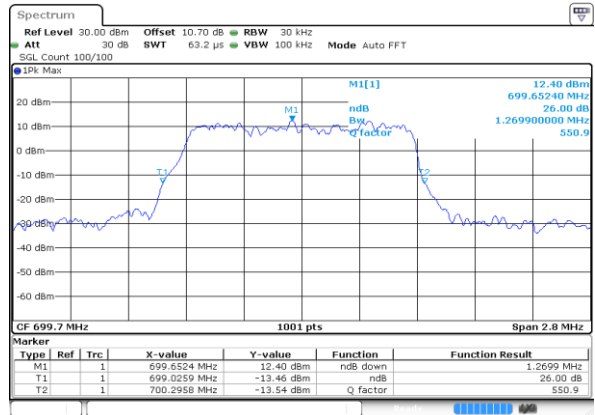


LTE Band 12

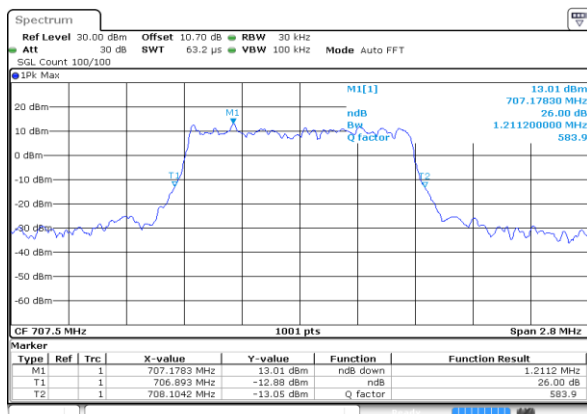
Lowest Channel / 1.4MHz / QPSK



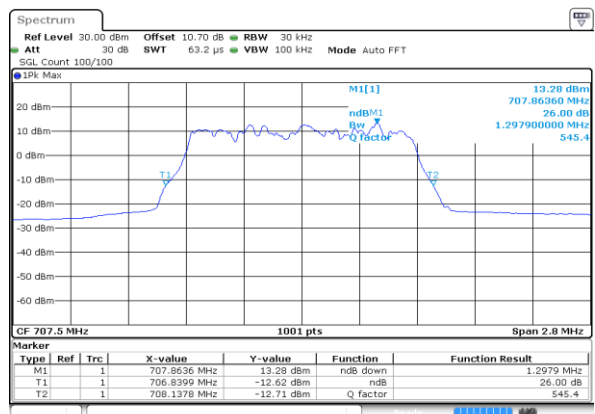
Lowest Channel / 1.4MHz / 16QAM



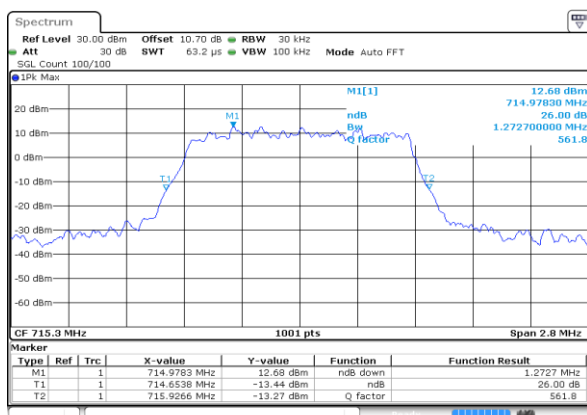
Middle Channel / 1.4MHz / QPSK



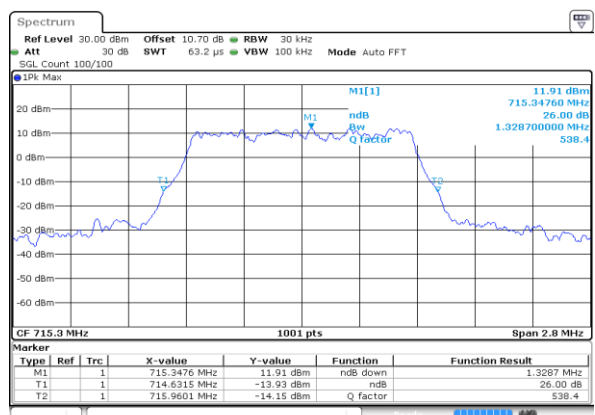
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



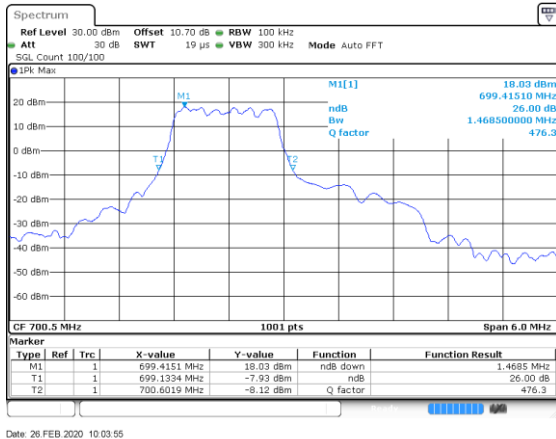
Highest Channel / 1.4MHz / 16QAM



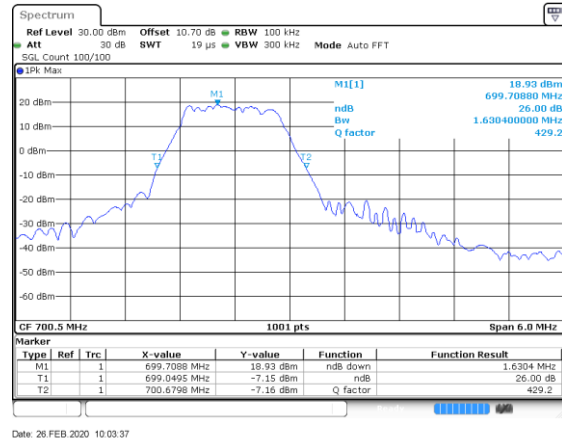


LTE Band 12

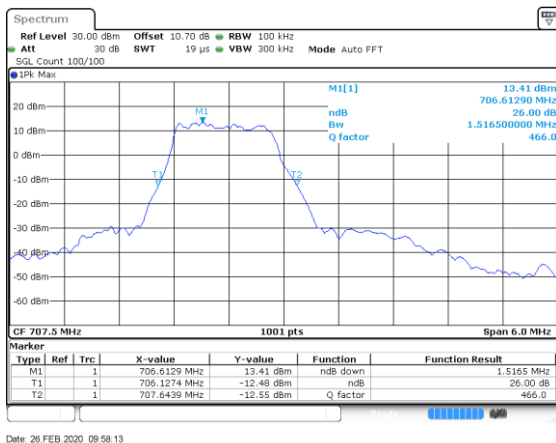
Lowest Channel / 3MHz / QPSK



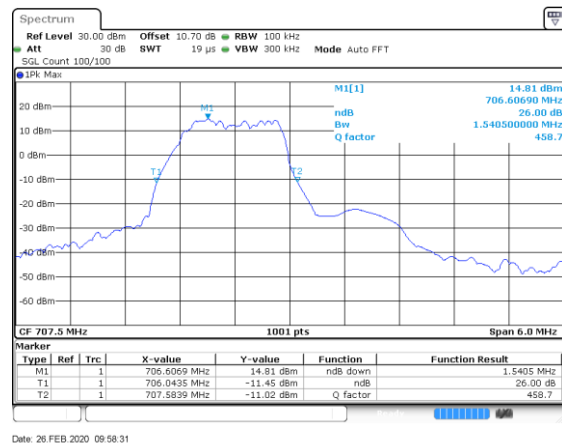
Lowest Channel / 3MHz / 16QAM



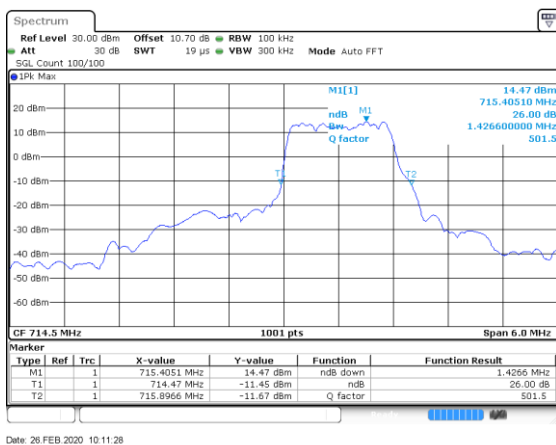
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



Highest Channel / 3MHz / 16QAM

