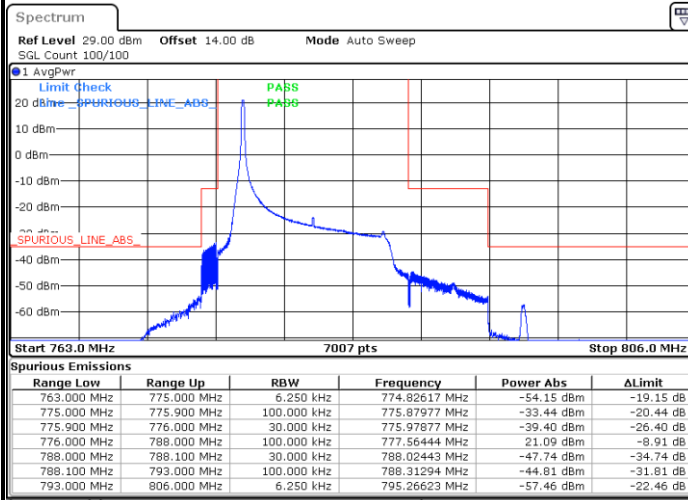




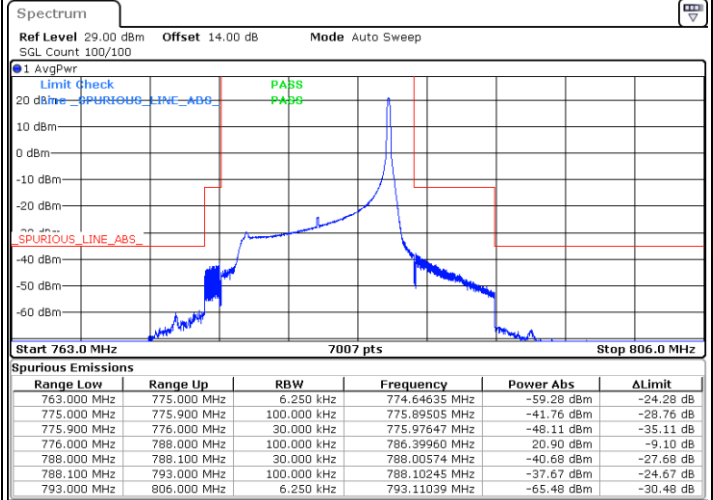
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



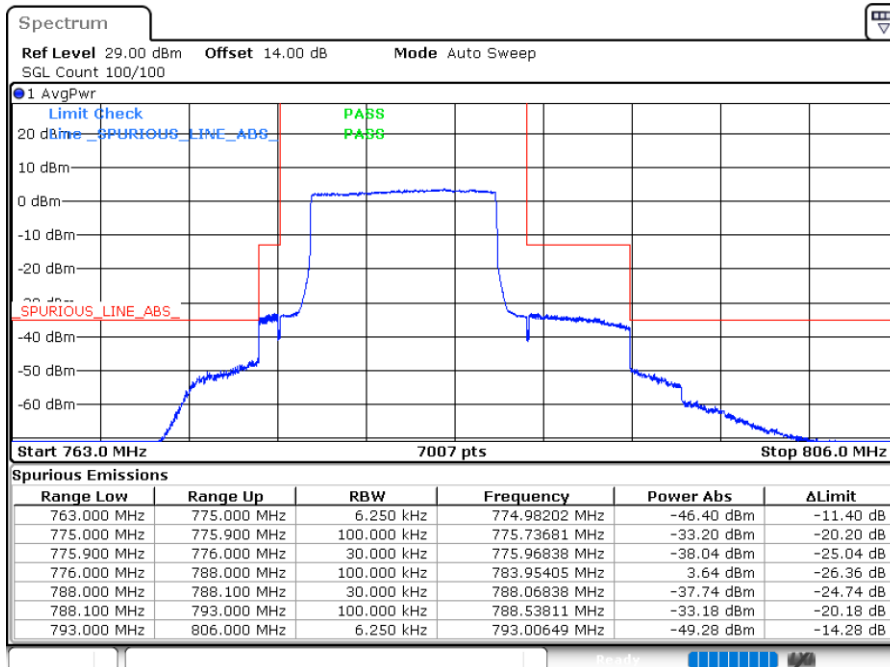
Date: 13.FEB.2021 18:59:04

Highest Band Edge / 1 RB



Date: 13.FEB.2021 19:00:43

Band Edge / Full RB

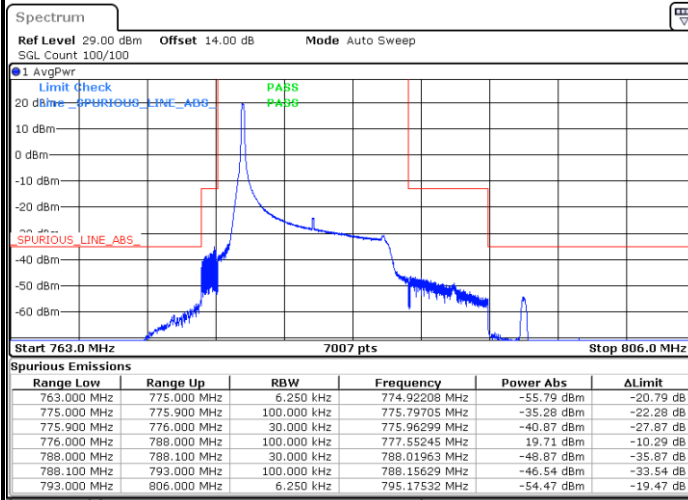


Date: 13.FEB.2021 18:54:06



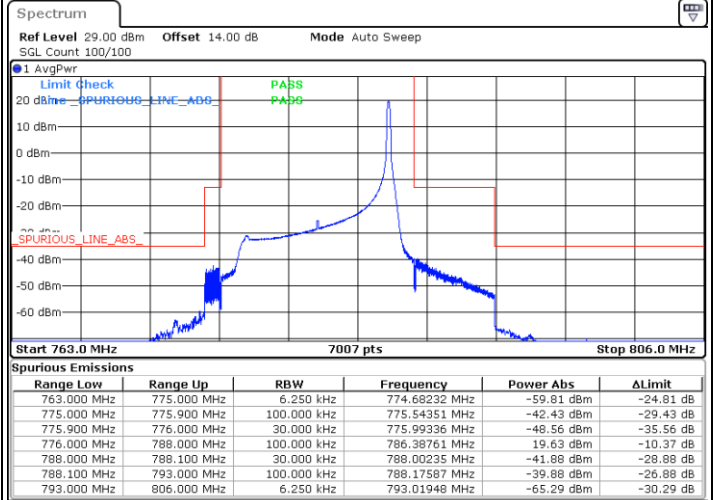
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



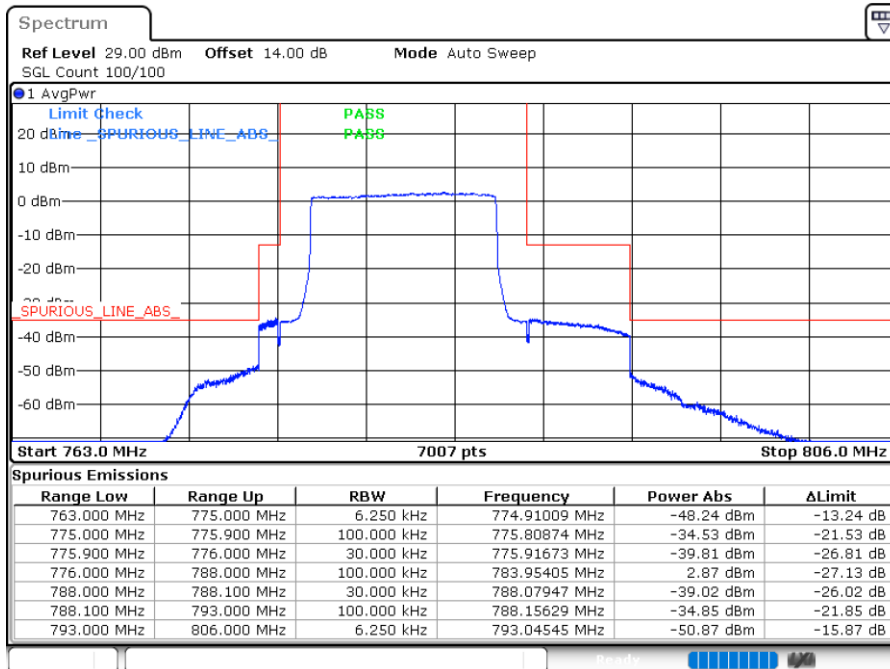
Date: 13.FEB.2021 18:57:24

Highest Band Edge / 1 RB



Date: 13.FEB.2021 19:02:22

Band Edge / Full RB



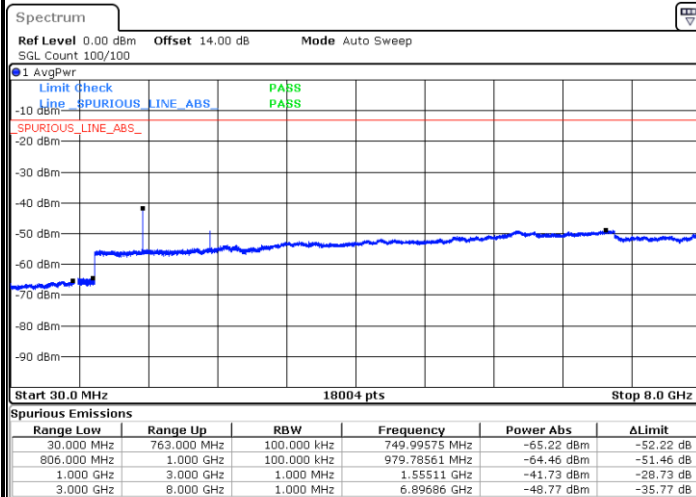
Date: 13.FEB.2021 18:55:45



Conducted Spurious Emission

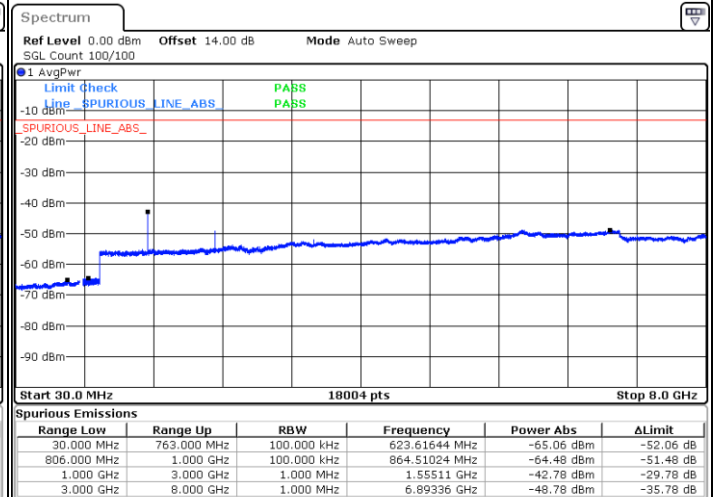
LTE Band 13 / 5MHz

Lowest Channel / QPSK



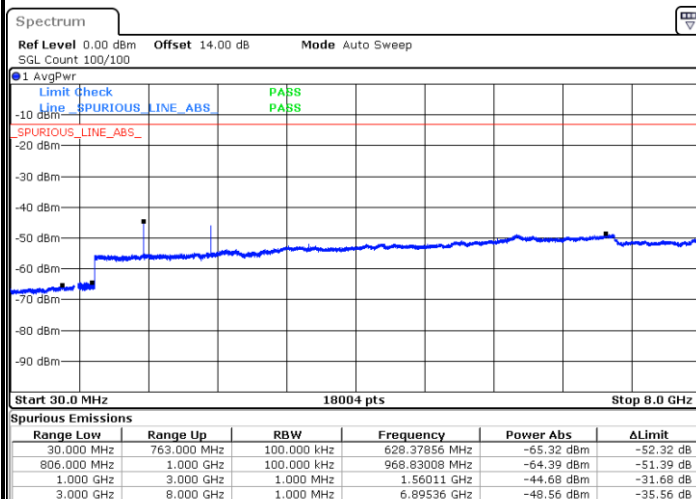
Date: 13.FEB.2021 18:39:53

Lowest Channel / 16QAM



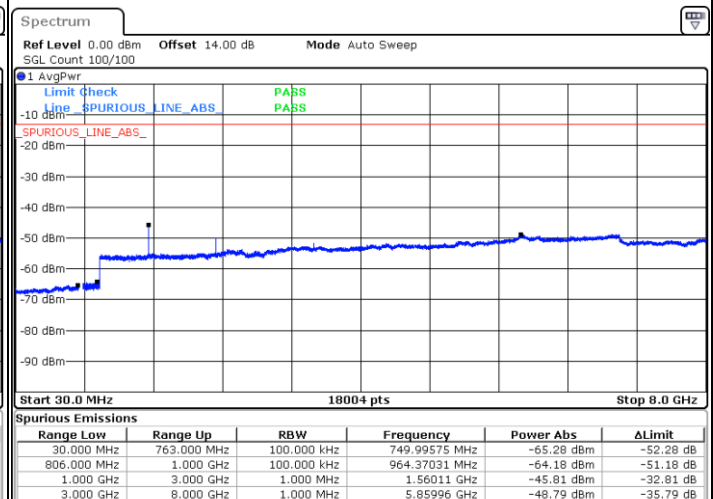
Date: 13.FEB.2021 18:40:38

Middle Channel / QPSK



Date: 13.FEB.2021 18:42:06

Middle Channel / 16QAM

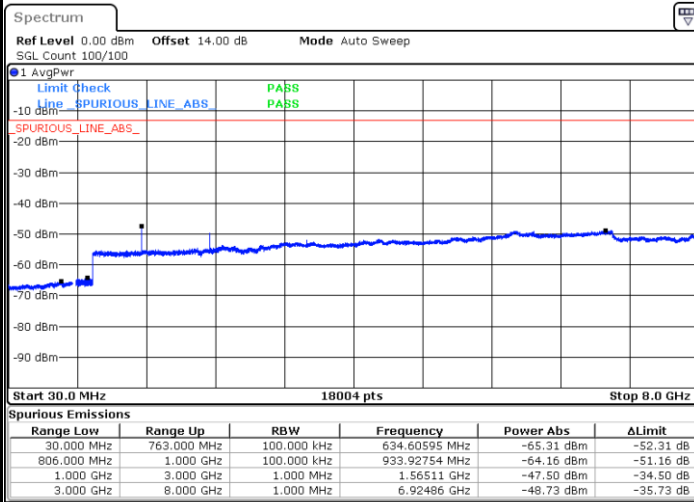


Date: 13.FEB.2021 18:41:22



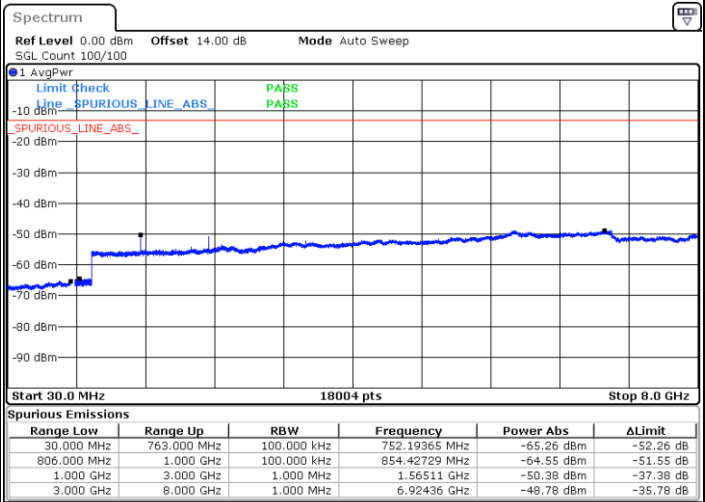
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 13.FEB.2021 18:50:58

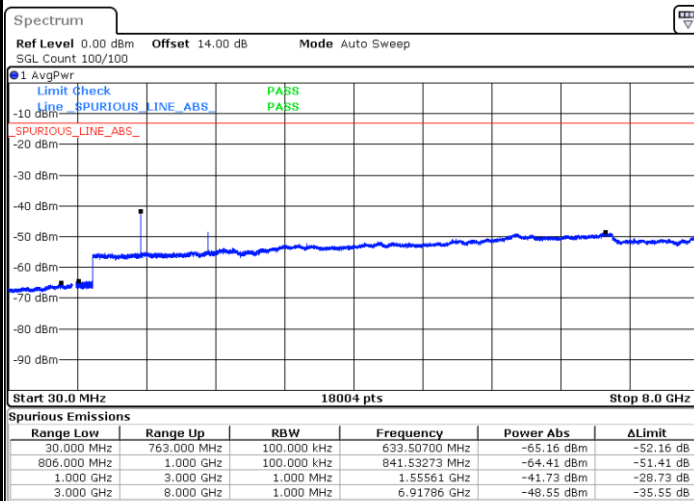
Highest Channel / 16QAM



Date: 13.FEB.2021 18:51:42

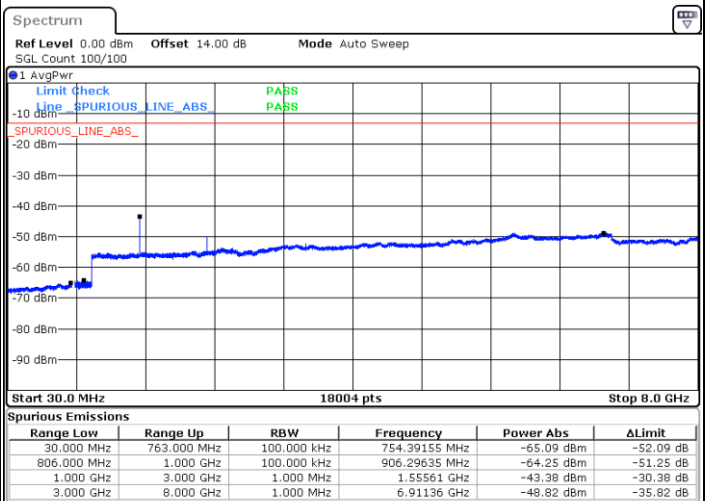
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 13.FEB.2021 19:03:51

Middle Channel / 16QAM



Date: 13.FEB.2021 19:03:07

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0061	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0041	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0018	

Note:

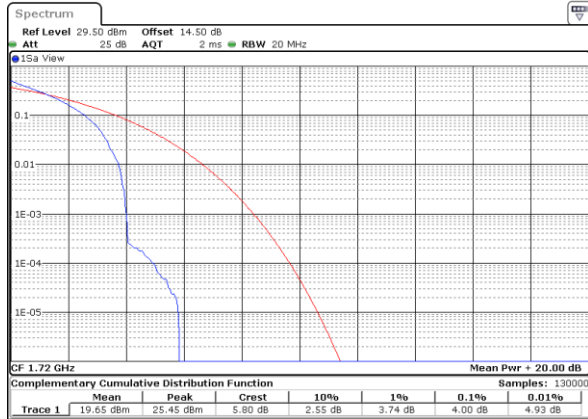
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



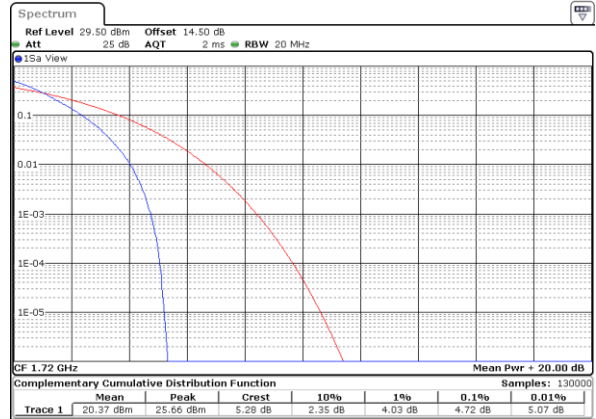
LTE Band 66

Peak-to-Average Ratio

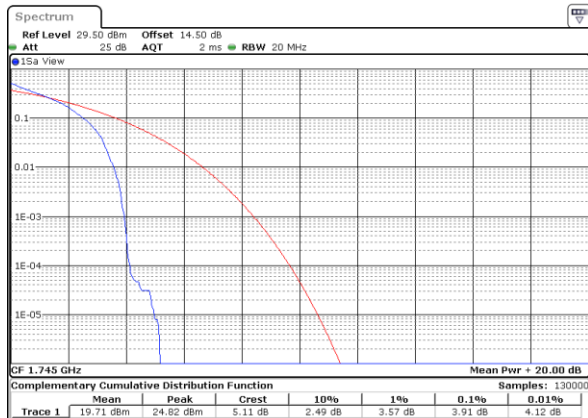
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.00	4.72	5.04	5.65	PASS
Middle CH	3.91	4.87	4.96	5.80	
Highest CH	3.74	4.84	5.22	5.80	

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


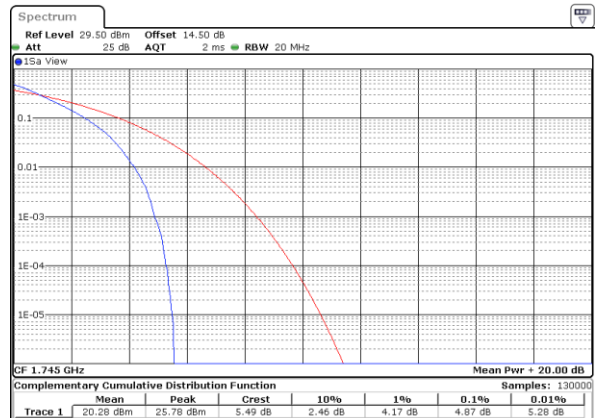
Date: 14.FEB.2021 11:32:59

Lowest Channel / Full RB


Date: 14.FEB.2021 11:33:11

Middle Channel / 1RB


Date: 14.FEB.2021 11:33:01

Middle Channel / Full RB


Date: 14.FEB.2021 11:33:43

Highest Channel / 1RB


Date: 14.FEB.2021 11:33:55

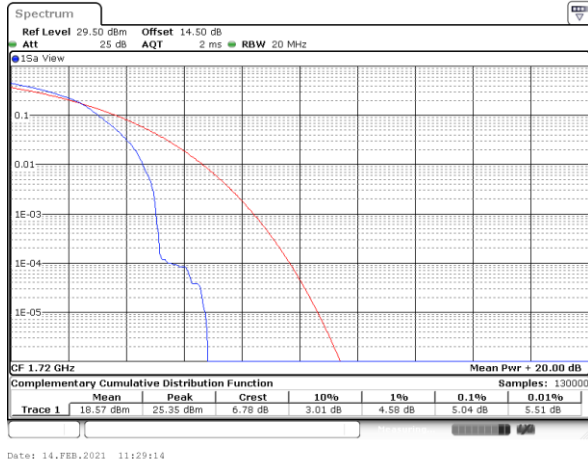
Highest Channel / Full RB


Date: 14.FEB.2021 11:34:21

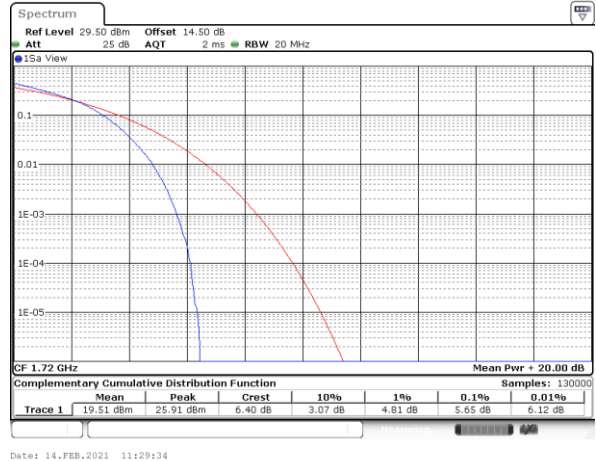


LTE Band 66 / 20MHz / 16QAM

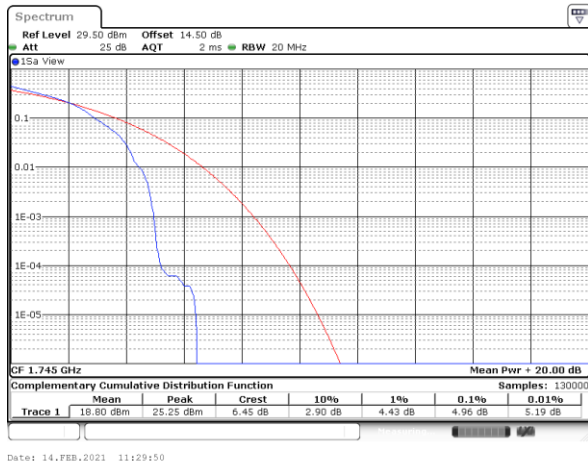
Lowest Channel / 1RB



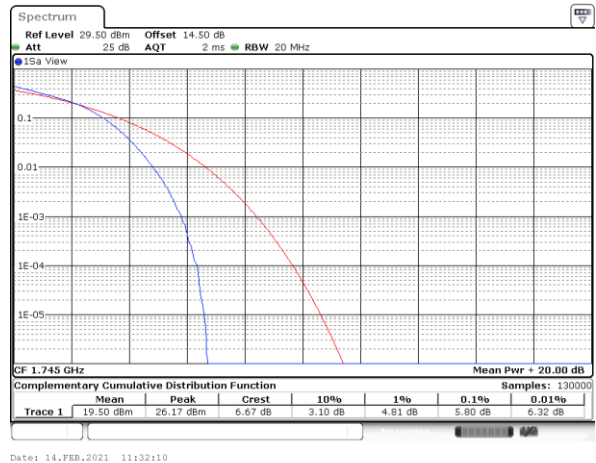
Lowest Channel / Full RB



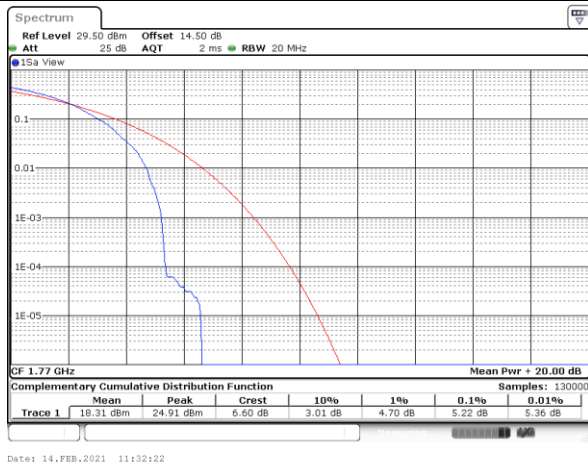
Middle Channel / 1RB



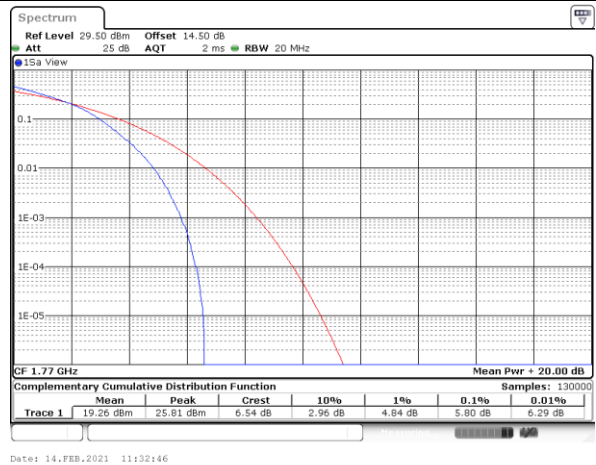
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





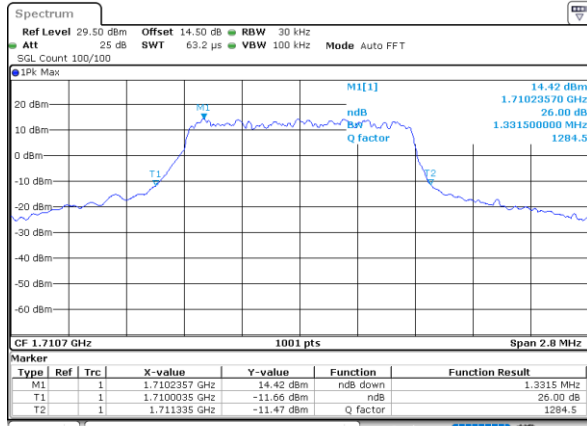
26dB Bandwidth

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	1.33	1.42	3.10	3.02	5.01	5.40	9.79	10.33	14.87	14.57	19.02	19.02
Middle CH	1.26	1.40	3.03	3.05	4.91	5.12	9.73	9.83	14.54	14.30	19.46	19.78
Highest CH	1.28	1.26	3.13	3.08	4.95	4.89	9.89	9.85	14.54	14.54	19.42	19.74



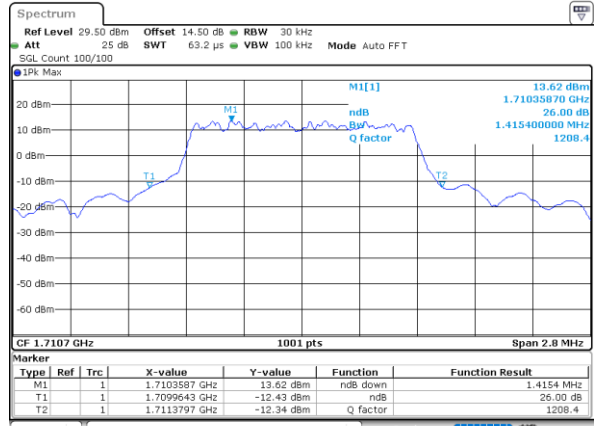
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



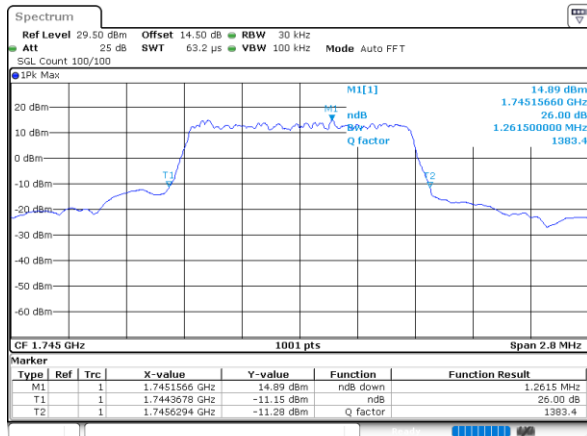
Date: 14.FEB.2021 11:36:10

Lowest Channel / 1.4MHz / 16QAM



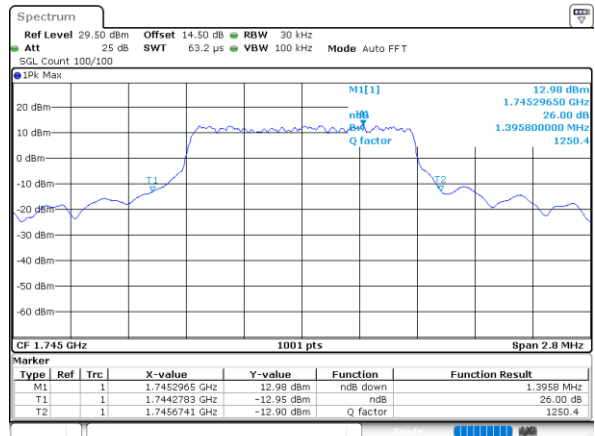
Date: 14.FEB.2021 11:36:30

Middle Channel / 1.4MHz / QPSK



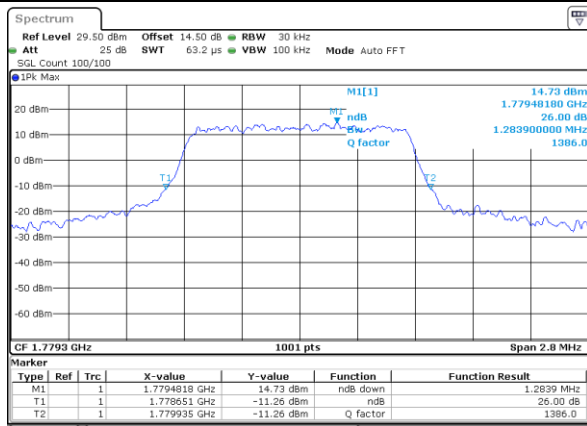
Date: 14.FEB.2021 11:43:51

Middle Channel / 1.4MHz / 16QAM



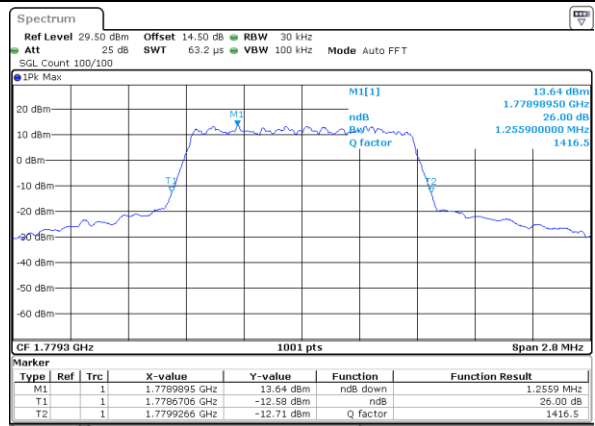
Date: 14.FEB.2021 11:44:02

Highest Channel / 1.4MHz / QPSK



Date: 14.FEB.2021 11:46:06

Highest Channel / 1.4MHz / 16QAM

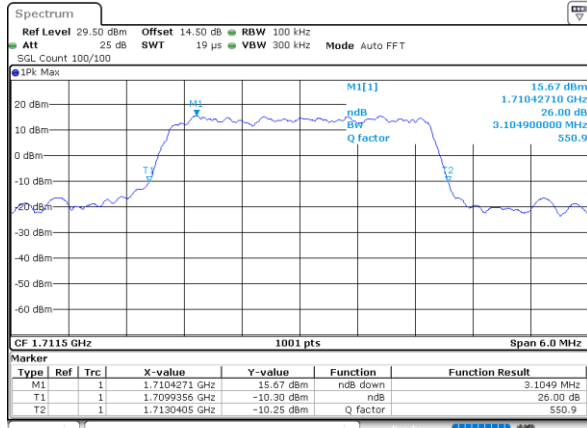


Date: 14.FEB.2021 11:46:17



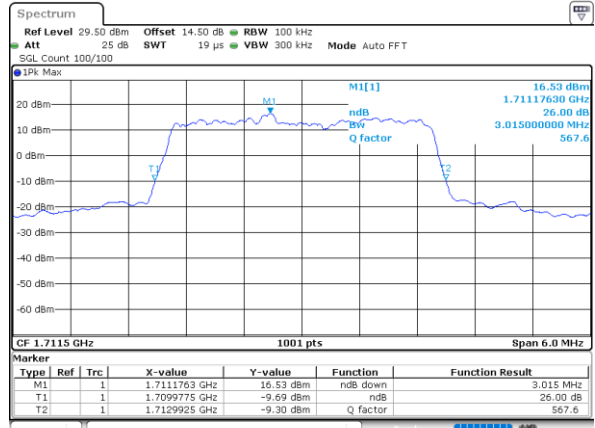
LTE Band 66

Lowest Channel / 3MHz / QPSK



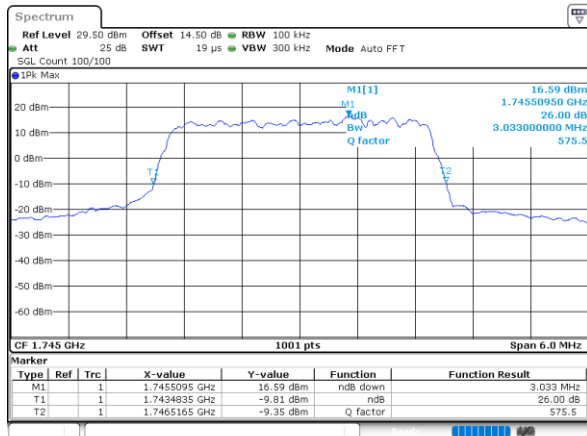
Date: 14.FEB.2021 10:07:20

Lowest Channel / 3MHz / 16QAM



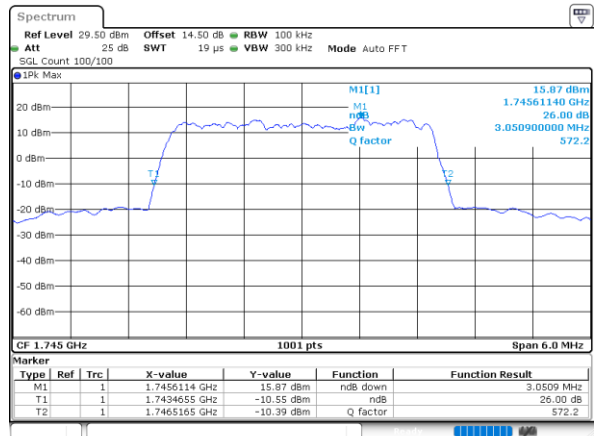
Date: 14.FEB.2021 10:07:33

Middle Channel / 3MHz / QPSK



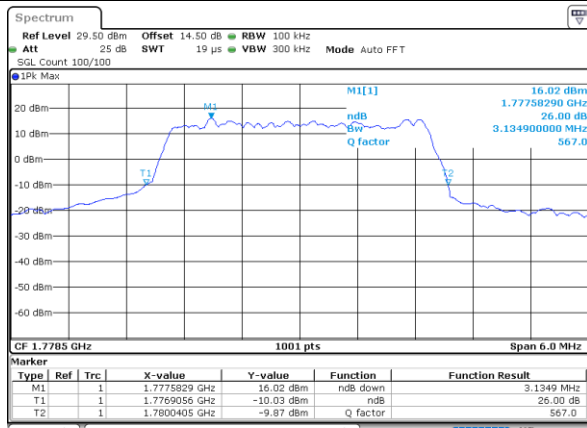
Date: 14.FEB.2021 10:13:10

Middle Channel / 3MHz / 16QAM



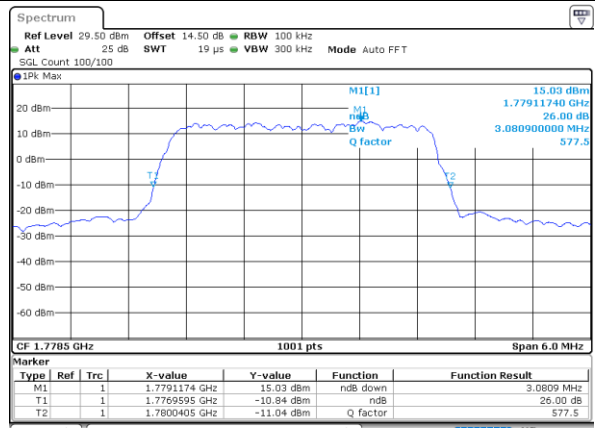
Date: 14.FEB.2021 10:13:30

Highest Channel / 3MHz / QPSK



Date: 14.FEB.2021 10:15:43

Highest Channel / 3MHz / 16QAM

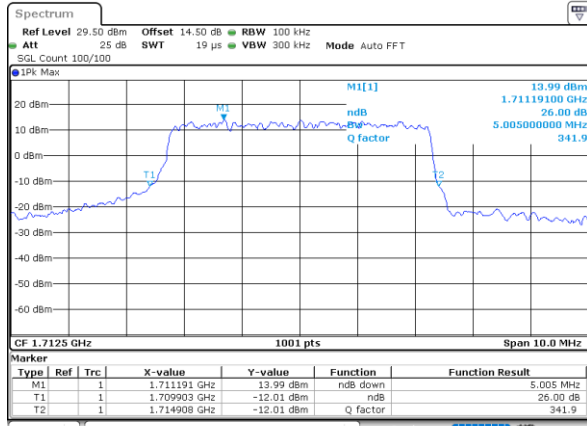


Date: 14.FEB.2021 10:15:55

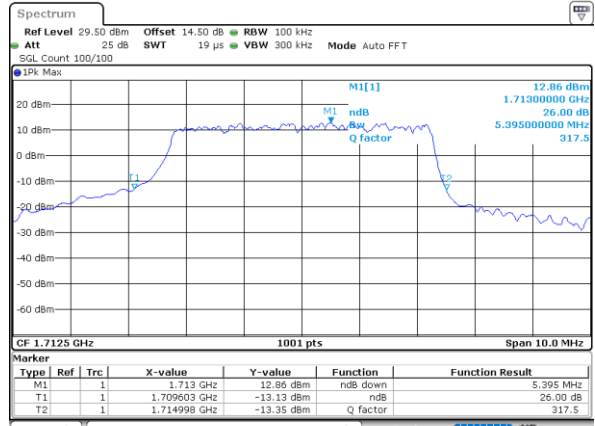


LTE Band 66

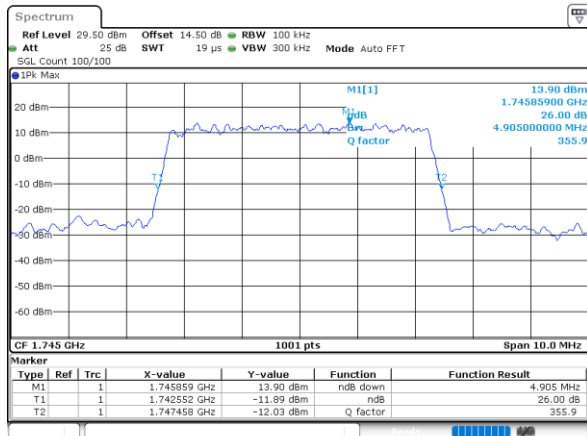
Lowest Channel / 5MHz / QPSK



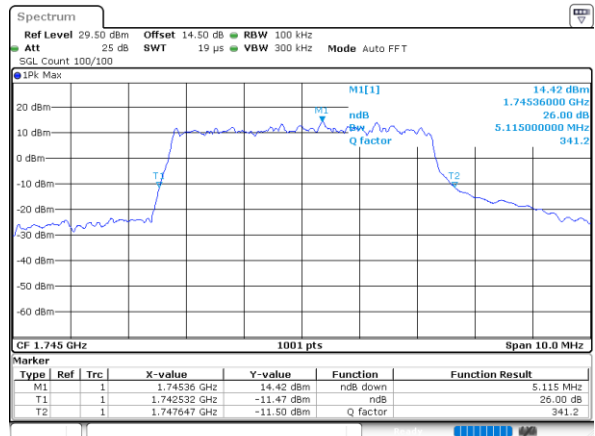
Lowest Channel / 5MHz / 16QAM



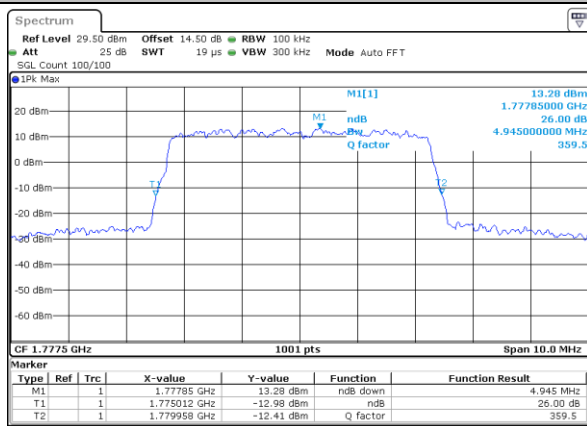
Middle Channel / 5MHz / QPSK



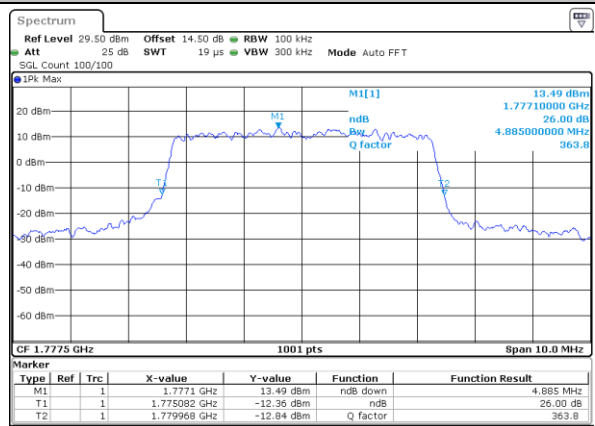
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



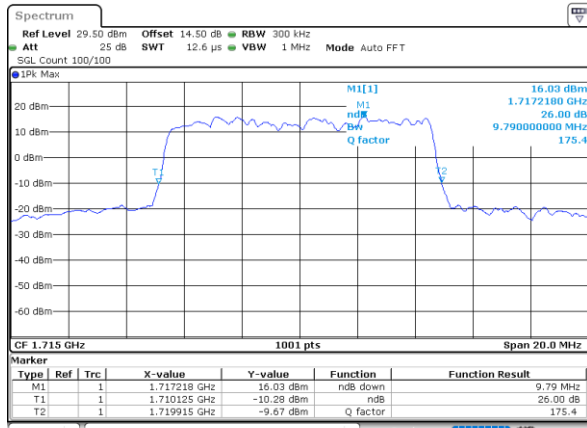
Highest Channel / 5MHz / 16QAM



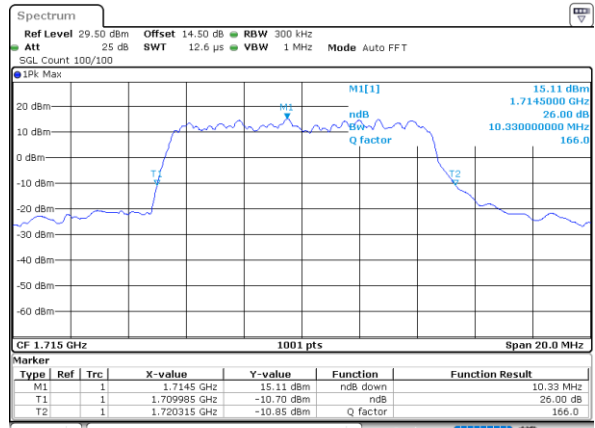


LTE Band 66

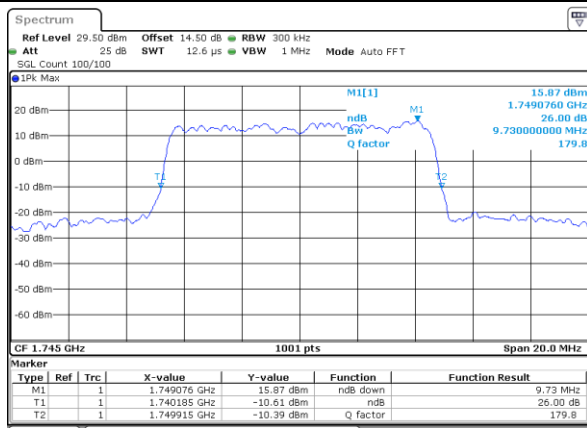
Lowest Channel / 10MHz / QPSK



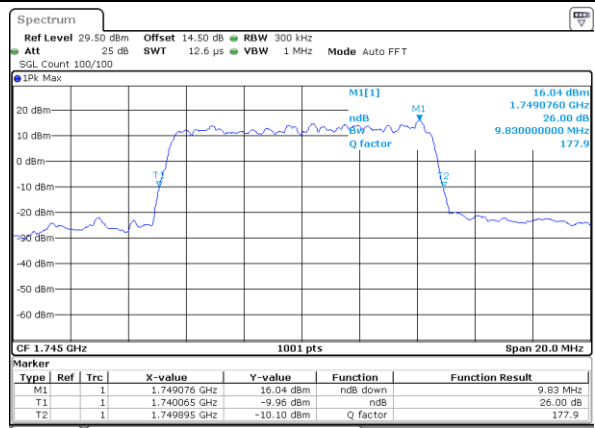
Lowest Channel / 10MHz / 16QAM



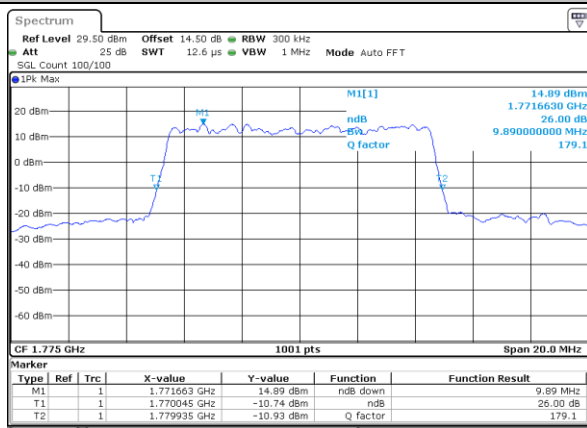
Middle Channel / 10MHz / QPSK



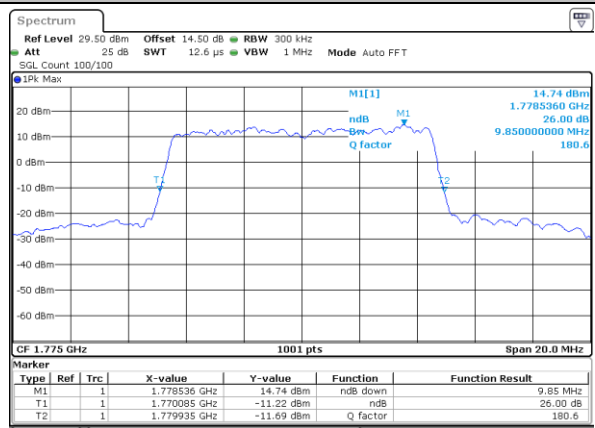
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



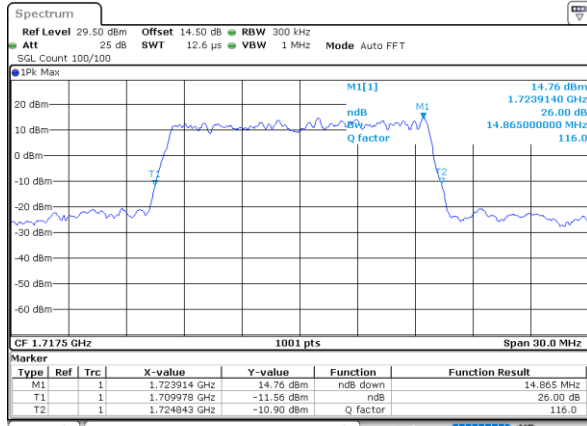
Highest Channel / 10MHz / 16QAM





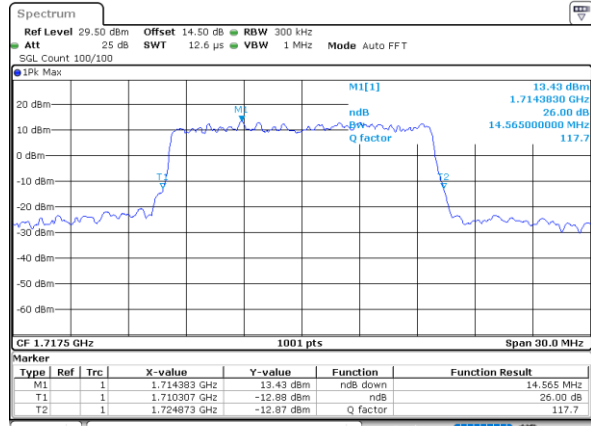
LTE Band 66

Lowest Channel / 15MHz / QPSK



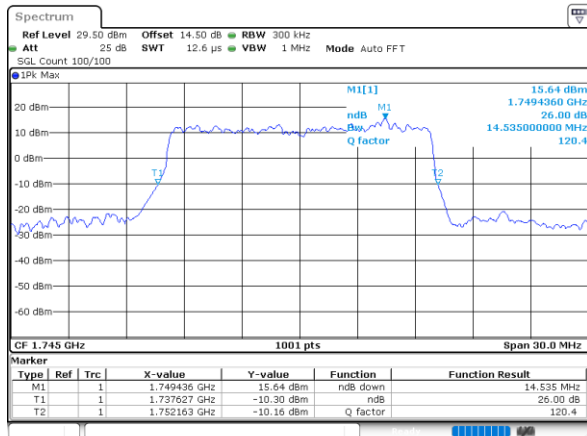
Date: 14.FEB.2021 10:49:35

Lowest Channel / 15MHz / 16QAM



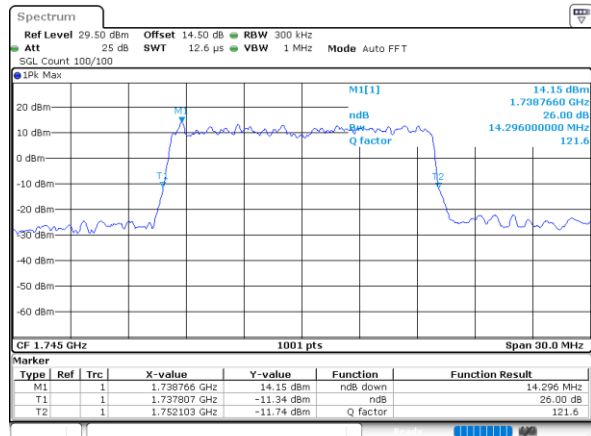
Date: 14.FEB.2021 10:49:46

Middle Channel / 15MHz / QPSK



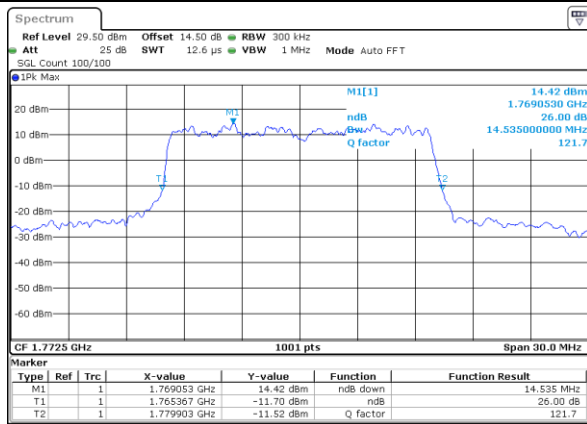
Date: 14.FEB.2021 10:55:26

Middle Channel / 15MHz / 16QAM



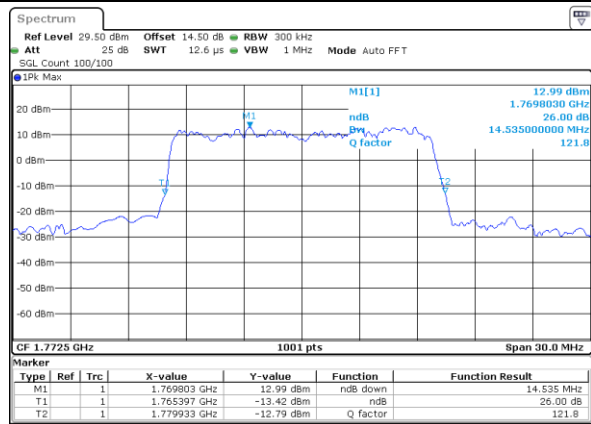
Date: 14.FEB.2021 10:55:38

Highest Channel / 15MHz / QPSK



Date: 14.FEB.2021 10:57:42

Highest Channel / 15MHz / 16QAM

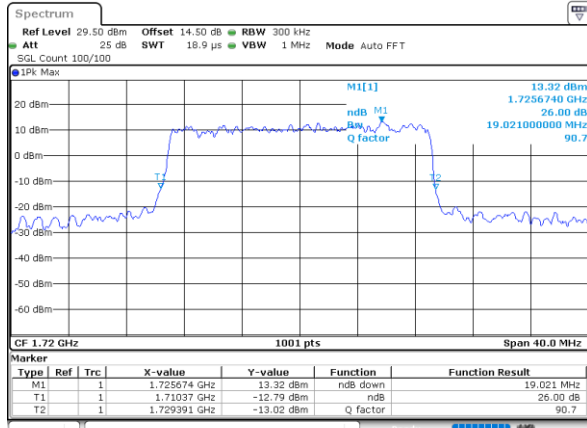


Date: 14.FEB.2021 10:57:53

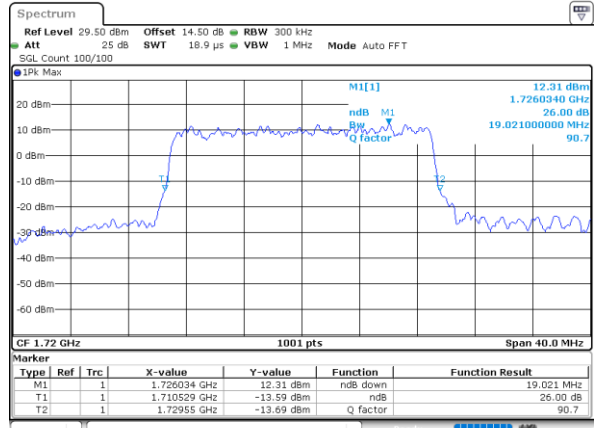


LTE Band 66

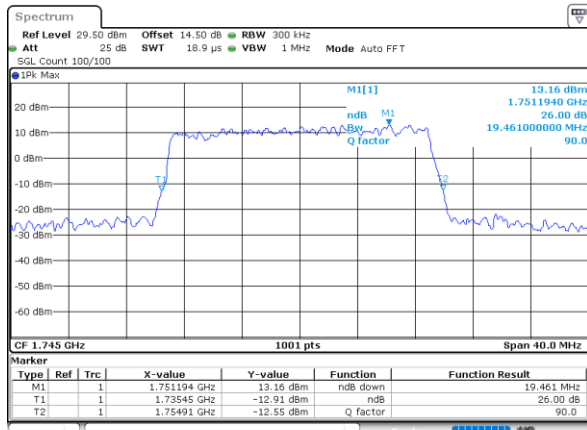
Lowest Channel / 20MHz / QPSK



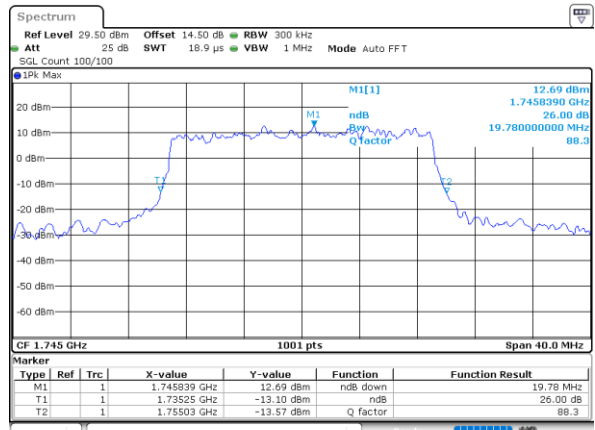
Lowest Channel / 20MHz / 16QAM



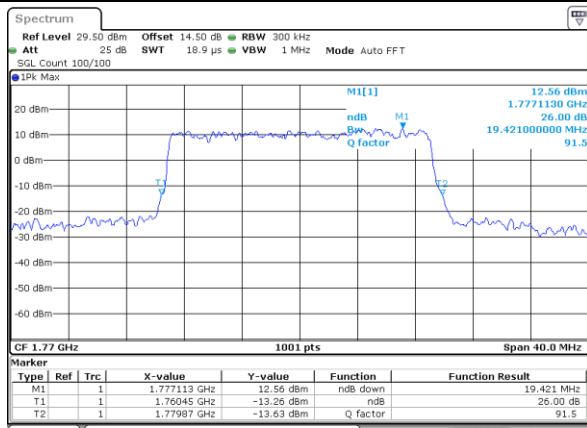
Middle Channel / 20MHz / QPSK



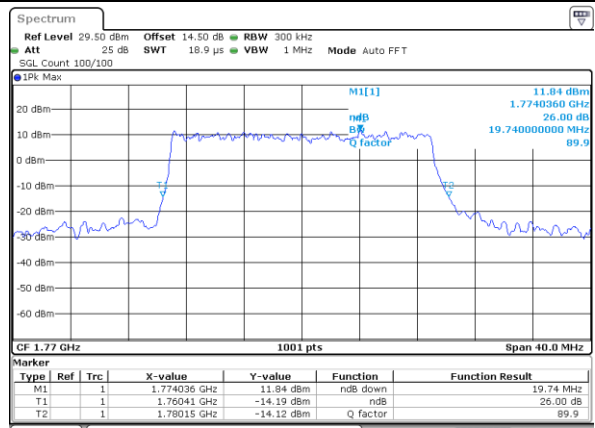
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



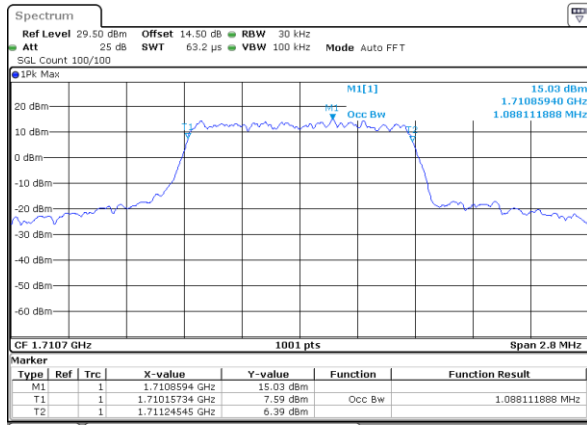
**Occupied Bandwidth**

Mode	LTE Band 66 : 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	1.11	2.72	2.73	4.48	4.50	9.05	9.07	13.37	13.40	17.94	17.86
Middle CH	1.10	1.11	2.72	2.72	4.50	4.50	9.01	9.07	13.49	13.49	17.86	17.94
Highest CH	1.11	1.10	2.70	2.72	4.55	4.49	9.07	9.09	13.49	13.52	17.90	17.98

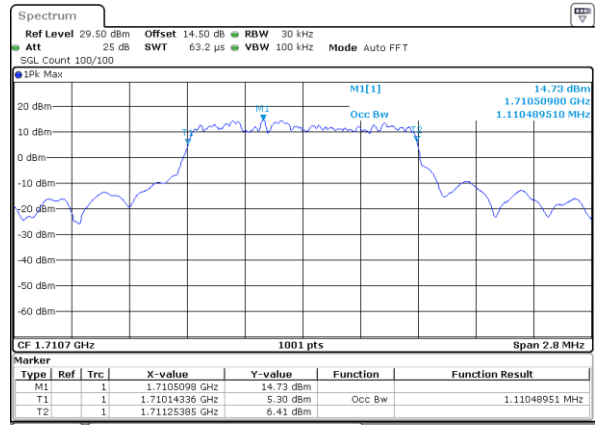


LTE Band 66

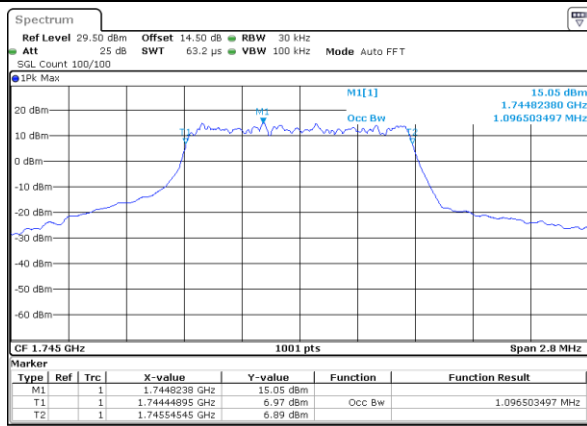
Lowest Channel / 1.4MHz / QPSK



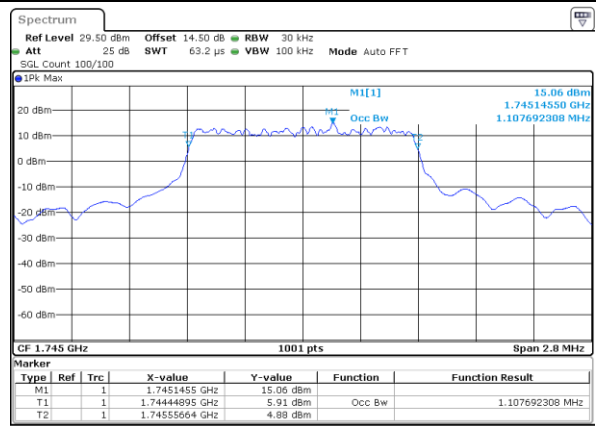
Lowest Channel / 1.4MHz / 16QAM



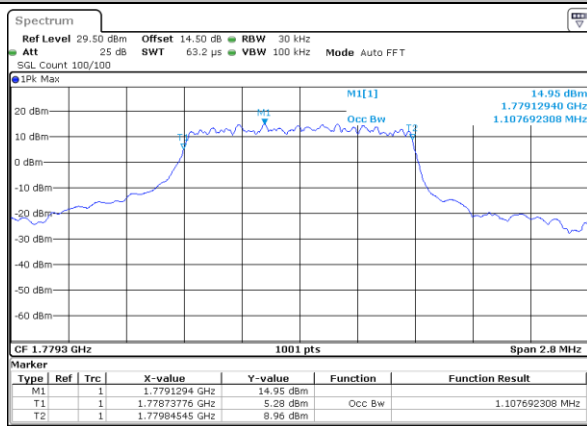
Middle Channel / 1.4MHz / QPSK



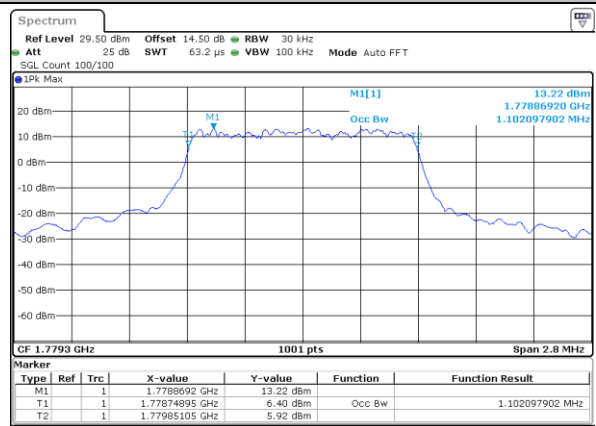
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



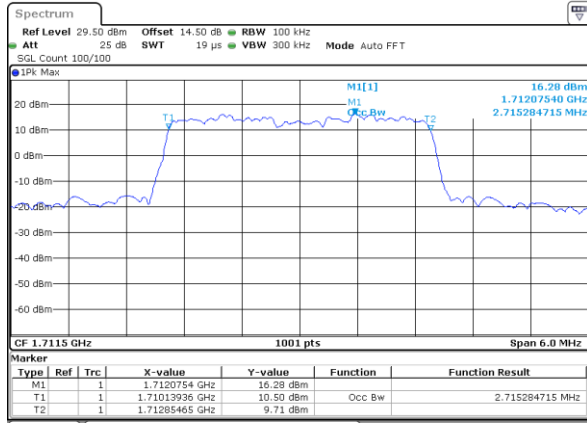
Highest Channel / 1.4MHz / 16QAM



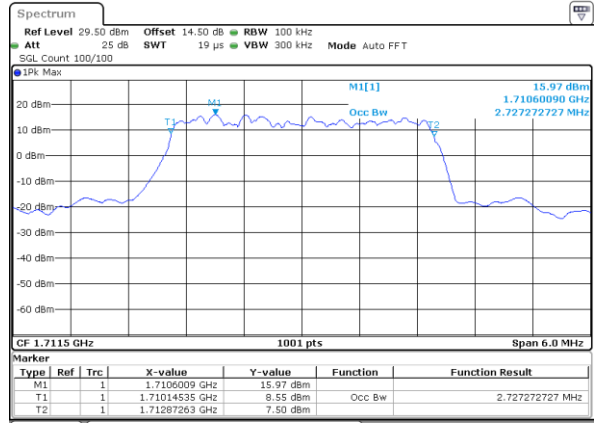


LTE Band 66

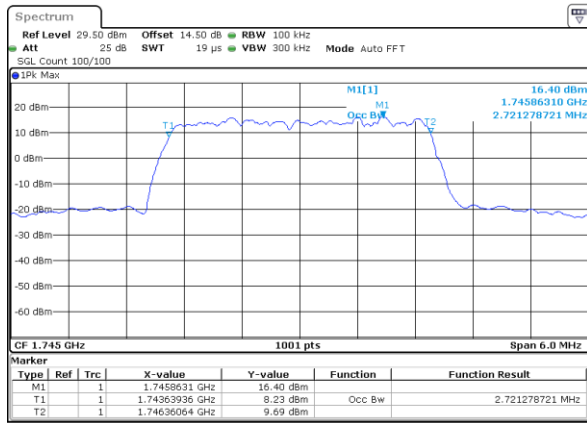
Lowest Channel / 3MHz / QPSK



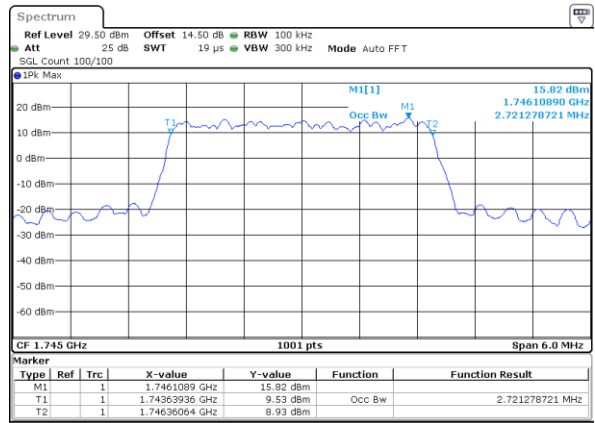
Lowest Channel / 3MHz / 16QAM



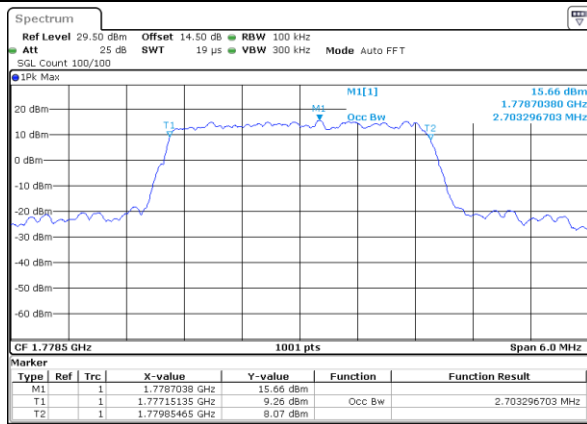
Middle Channel / 3MHz / QPSK



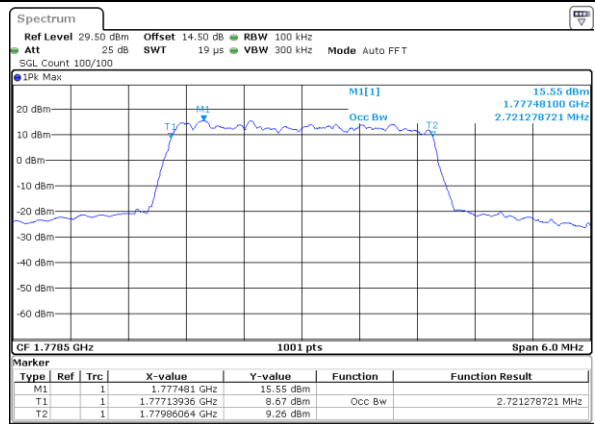
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



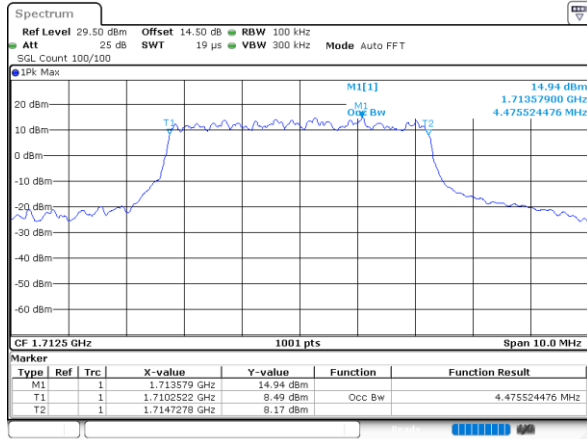
Highest Channel / 3MHz / 16QAM



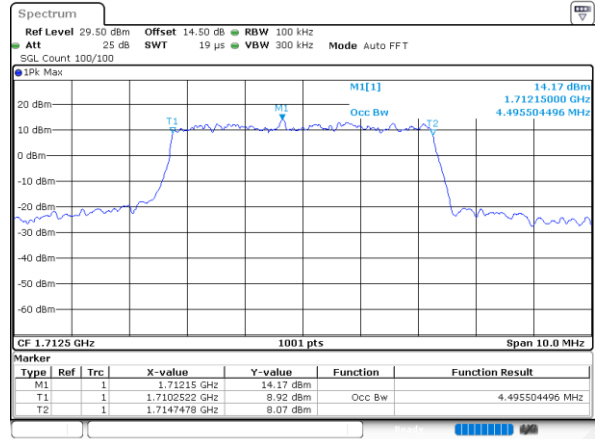


LTE Band 66

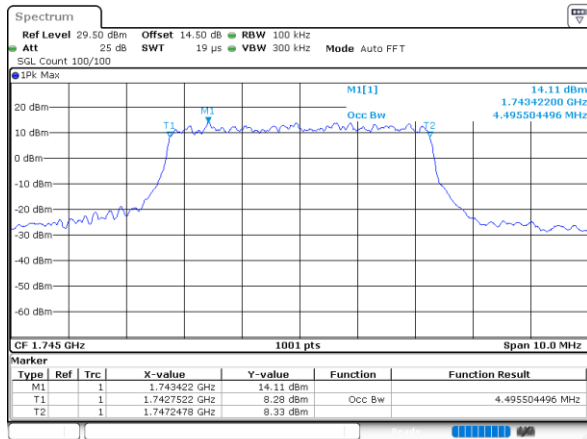
Lowest Channel / 5MHz / QPSK



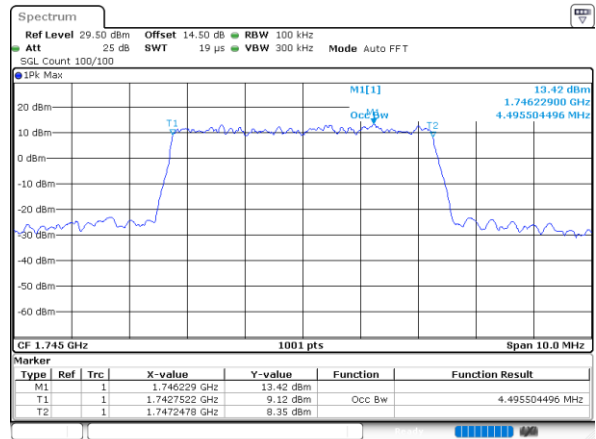
Lowest Channel / 5MHz / 16QAM



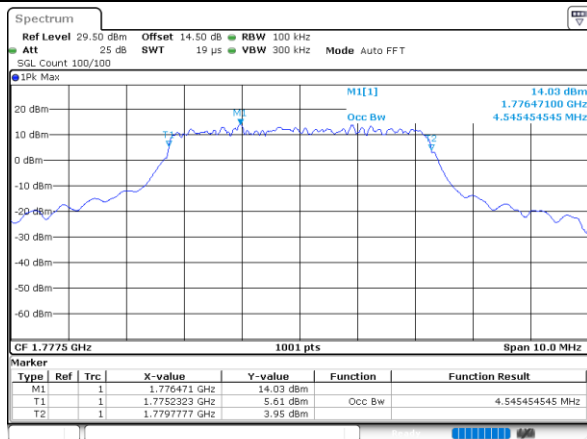
Middle Channel / 5MHz / QPSK



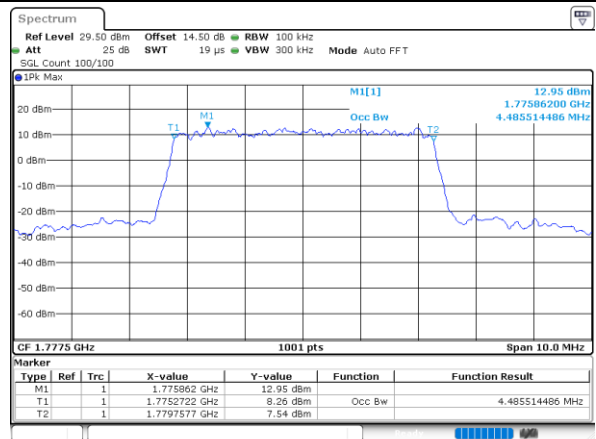
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



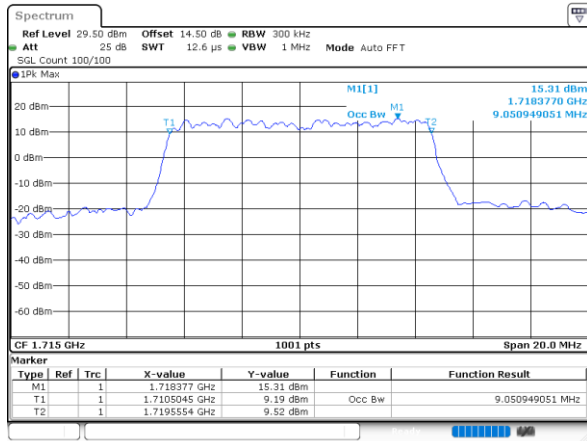
Highest Channel / 5MHz / 16QAM



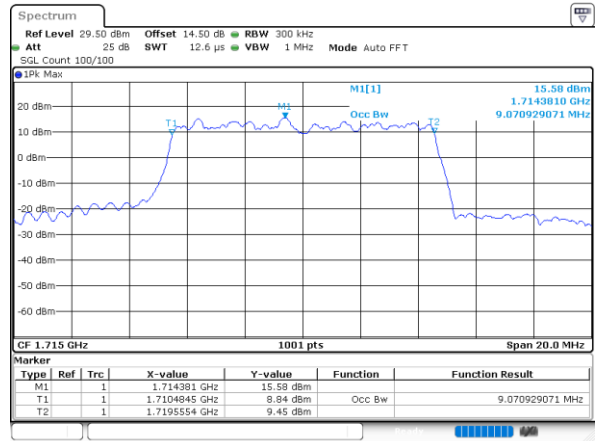


LTE Band 66

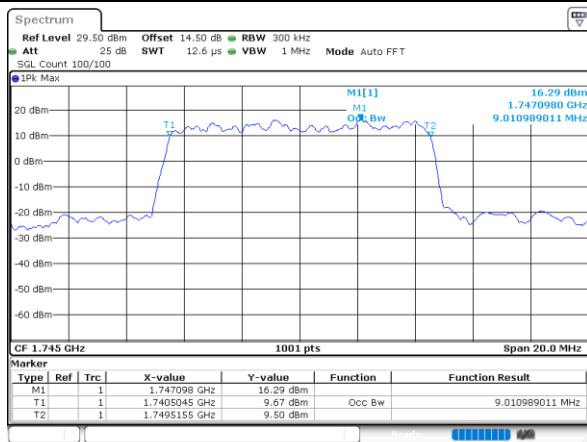
Lowest Channel / 10MHz / QPSK



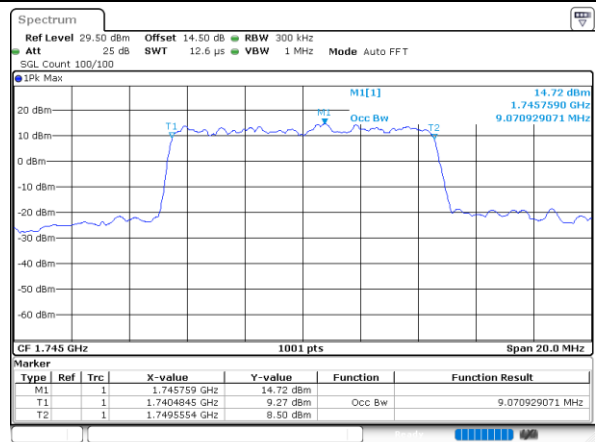
Lowest Channel / 10MHz / 16QAM



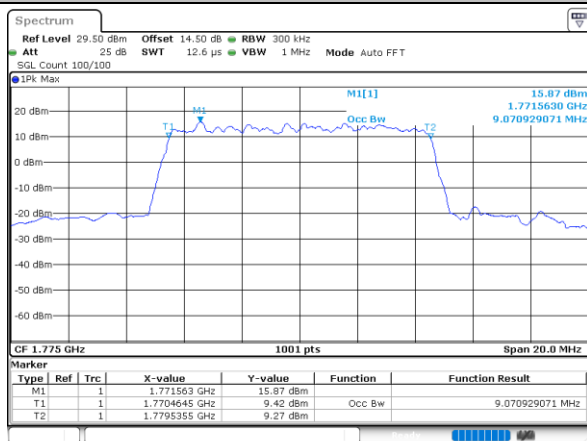
Middle Channel / 10MHz / QPSK



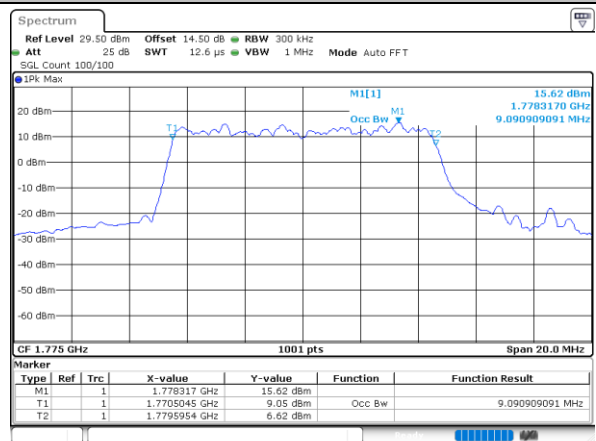
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



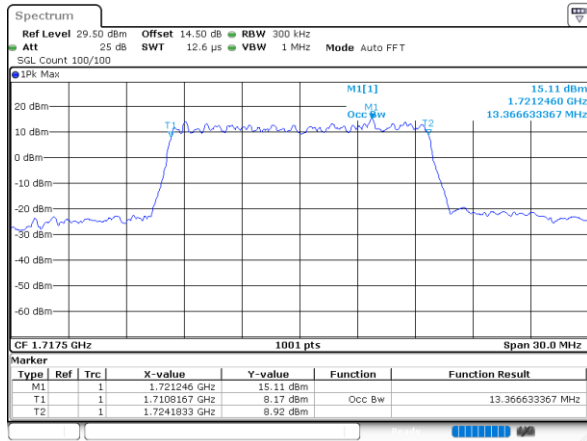
Highest Channel / 10MHz / 16QAM





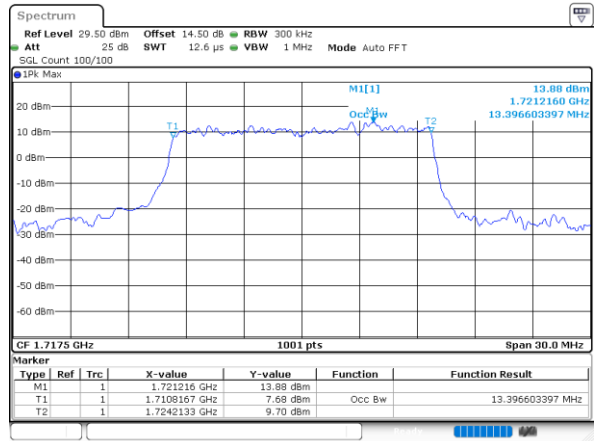
LTE Band 66

Lowest Channel / 15MHz / QPSK



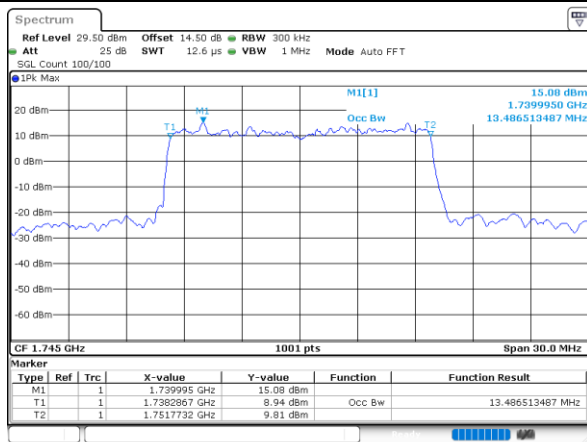
Date: 14.FEB.2021 10:49:12

Lowest Channel / 15MHz / 16QAM



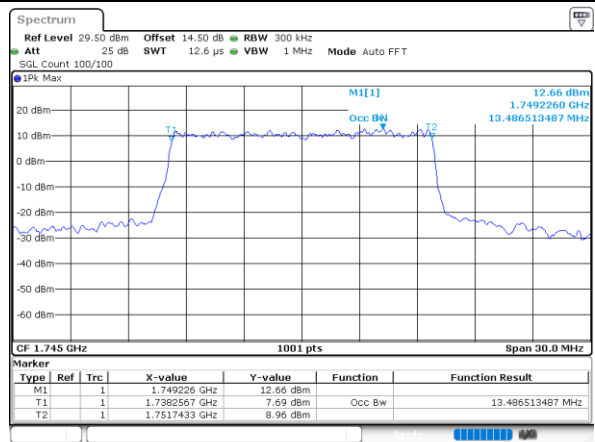
Date: 14.FEB.2021 10:49:23

Middle Channel / 15MHz / QPSK



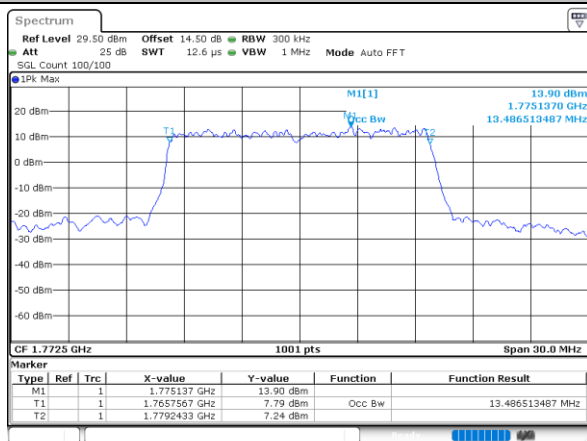
Date: 14.FEB.2021 10:55:04

Middle Channel / 15MHz / 16QAM



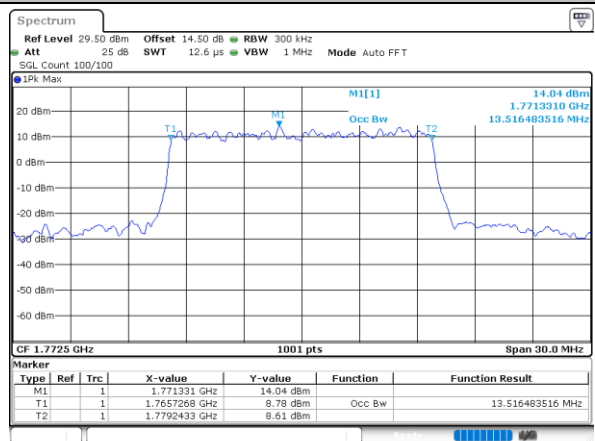
Date: 14.FEB.2021 10:55:15

Highest Channel / 15MHz / QPSK



Date: 14.FEB.2021 10:57:19

Highest Channel / 15MHz / 16QAM

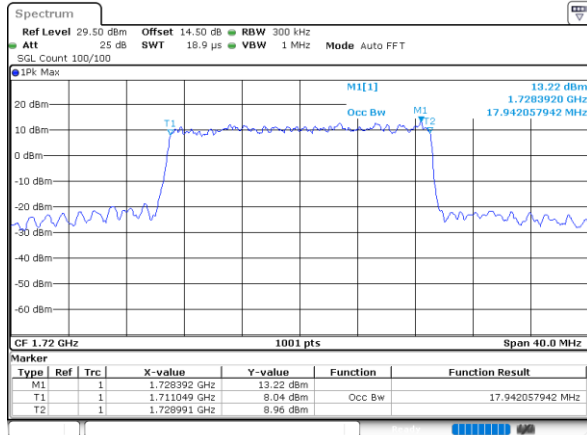


Date: 14.FEB.2021 10:57:30

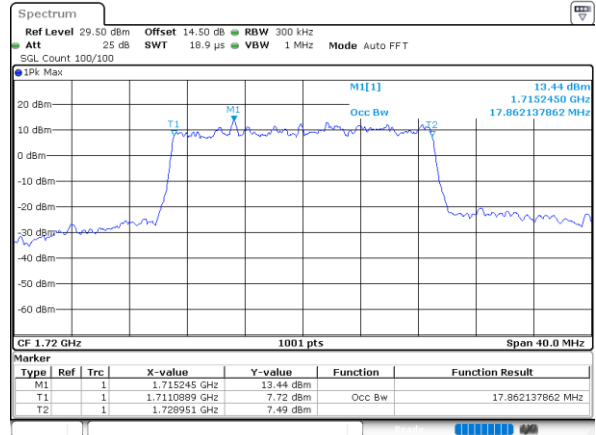


LTE Band 66

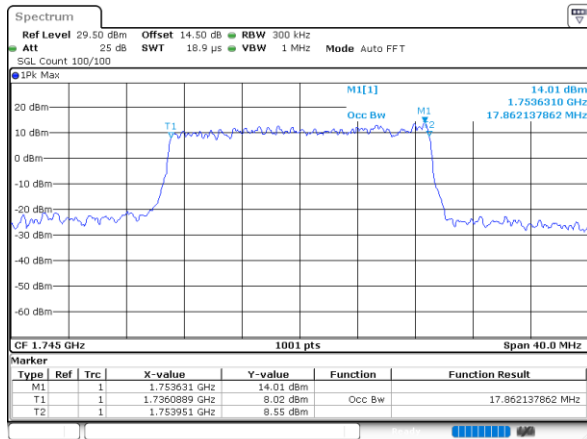
Lowest Channel / 20MHz / QPSK



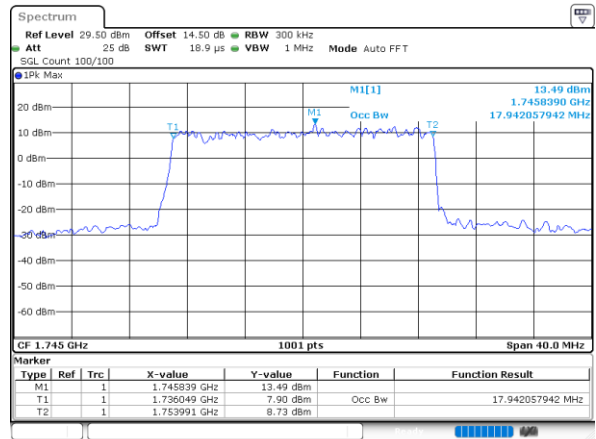
Lowest Channel / 20MHz / 16QAM



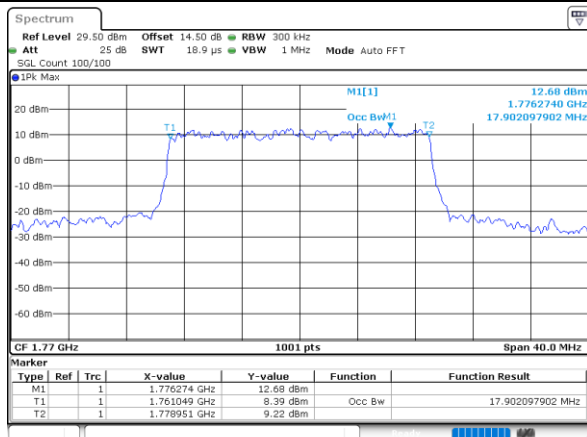
Middle Channel / 20MHz / QPSK



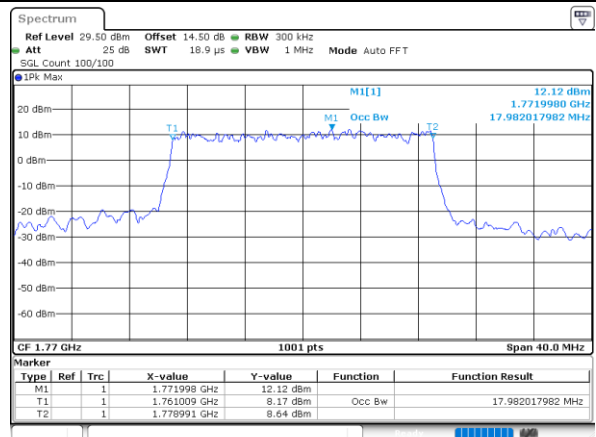
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

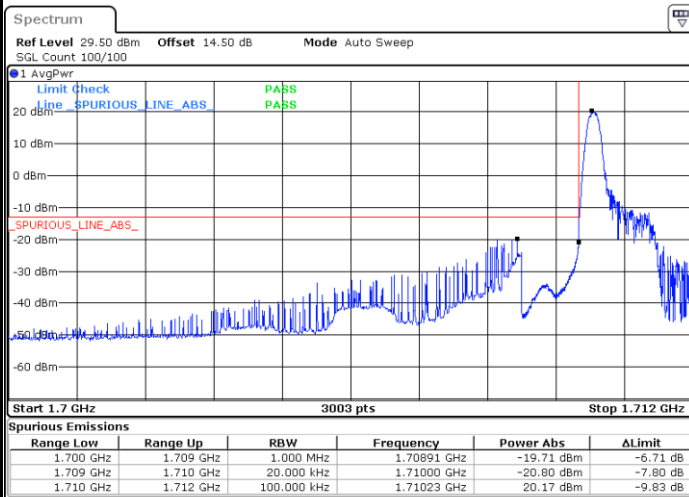




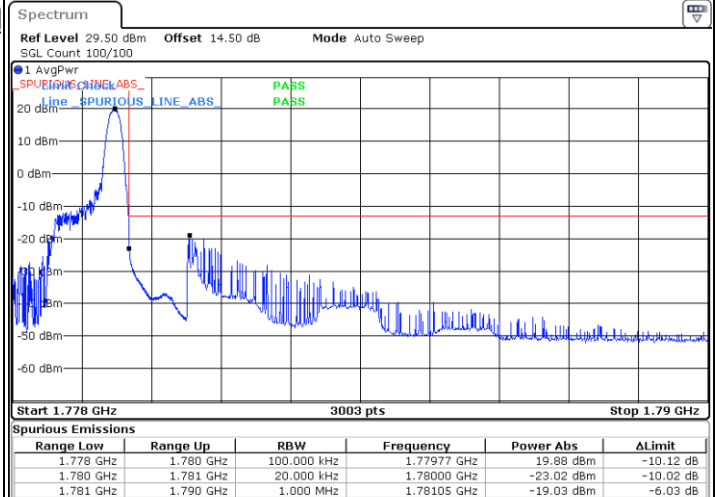
Conducted Band Edge

LTE Band 66 / 1.4MHz / QPSK

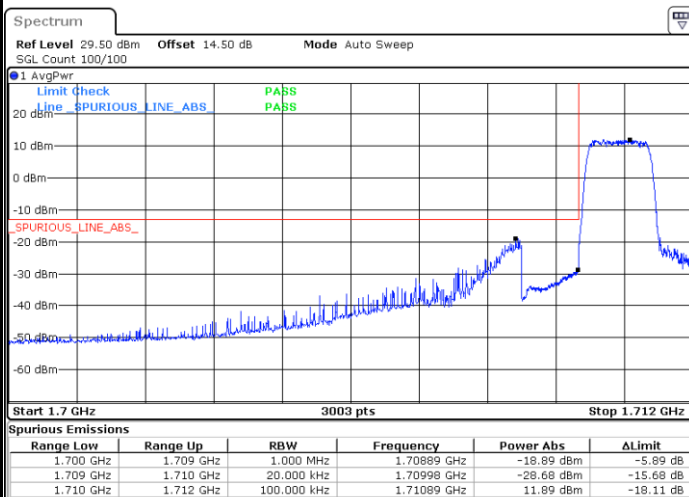
Lowest Band Edge / 1RB



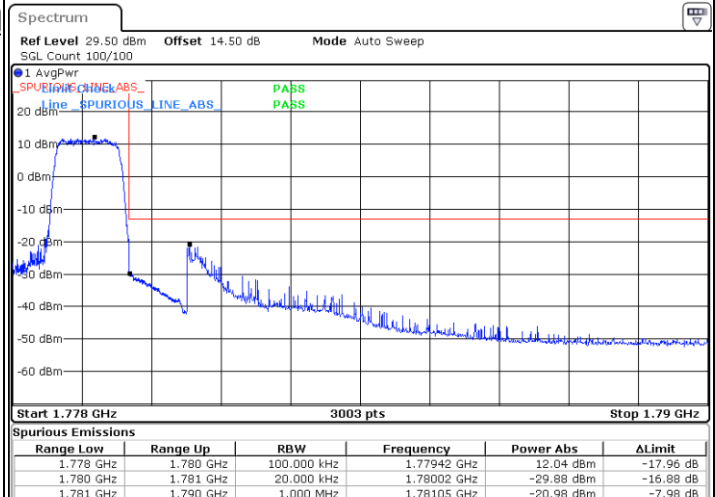
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



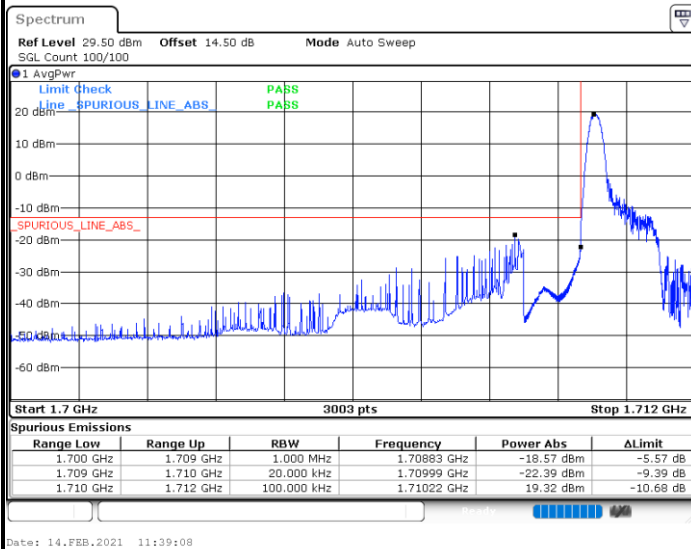
Highest Band Edge / Full RB



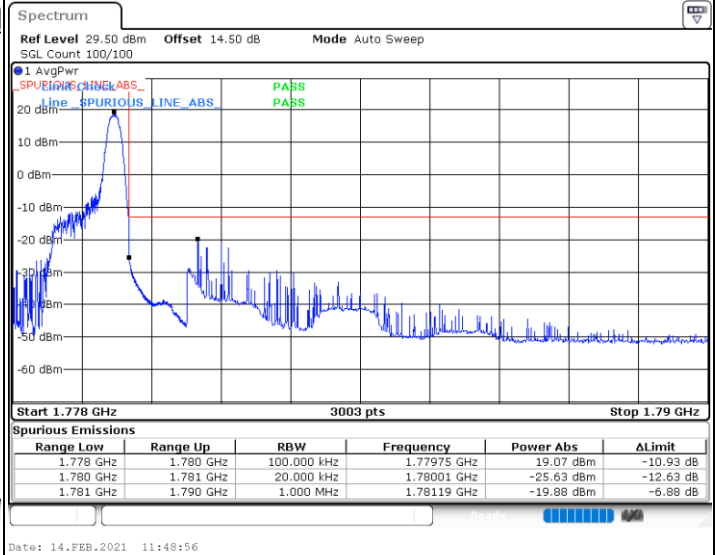


LTE Band 66 / 1.4MHz / 16QAM

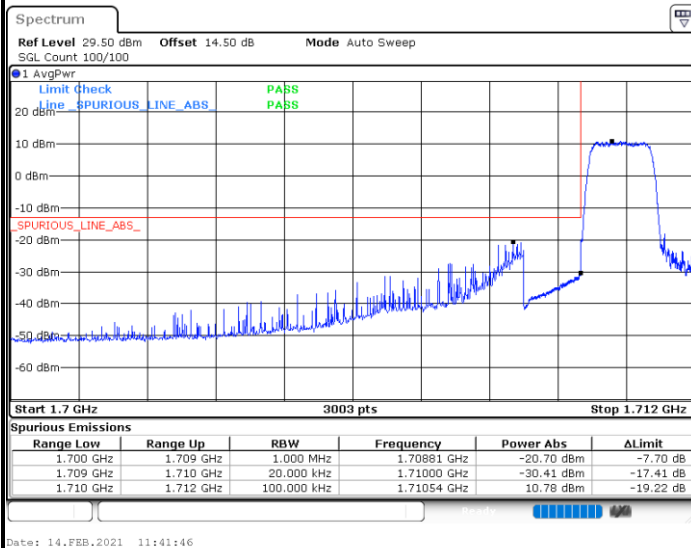
Lowest Band Edge / 1 RB



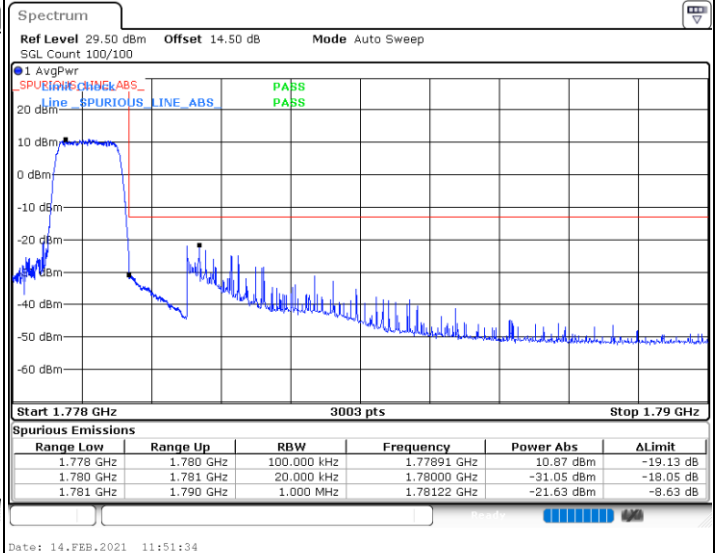
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



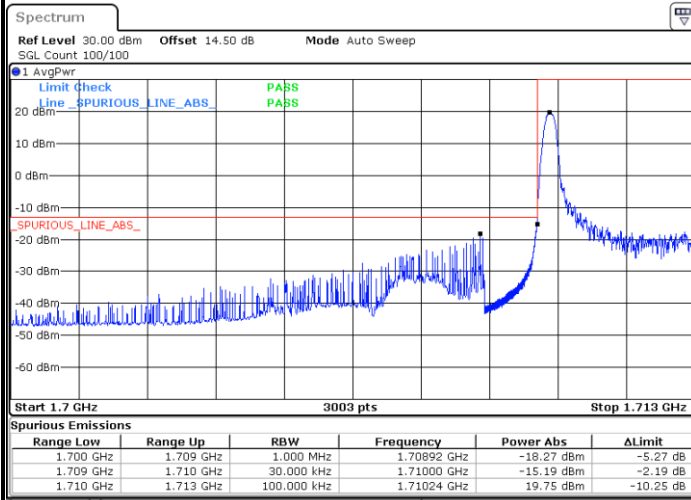
Highest Band Edge / Full RB



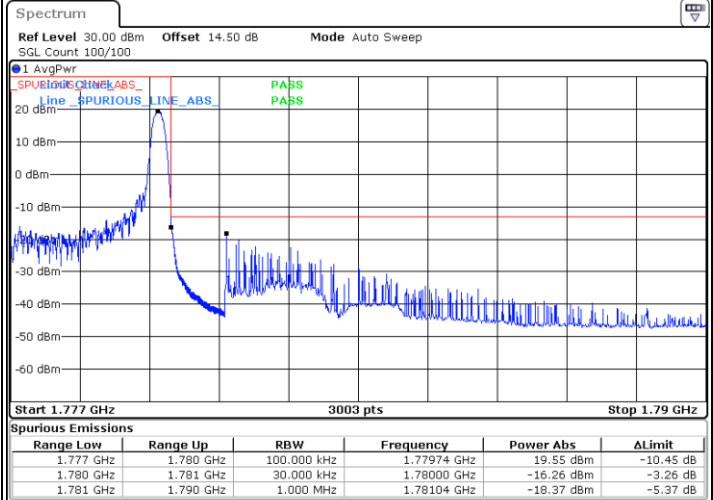


LTE Band 66 / 3MHz / QPSK

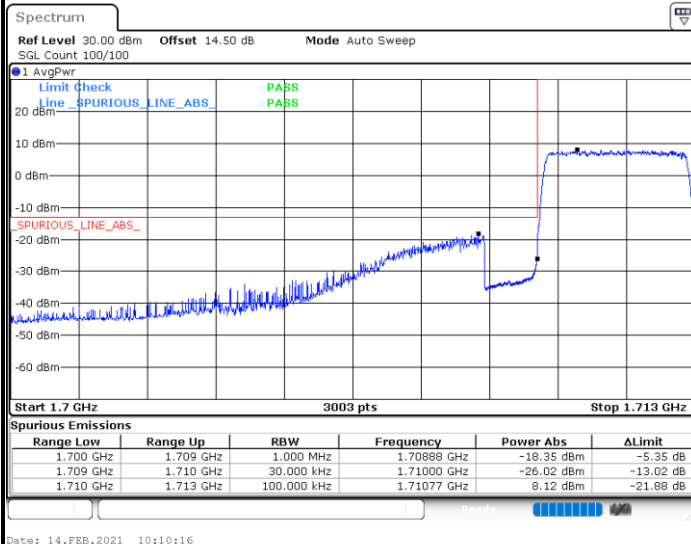
Lowest Band Edge / 1RB



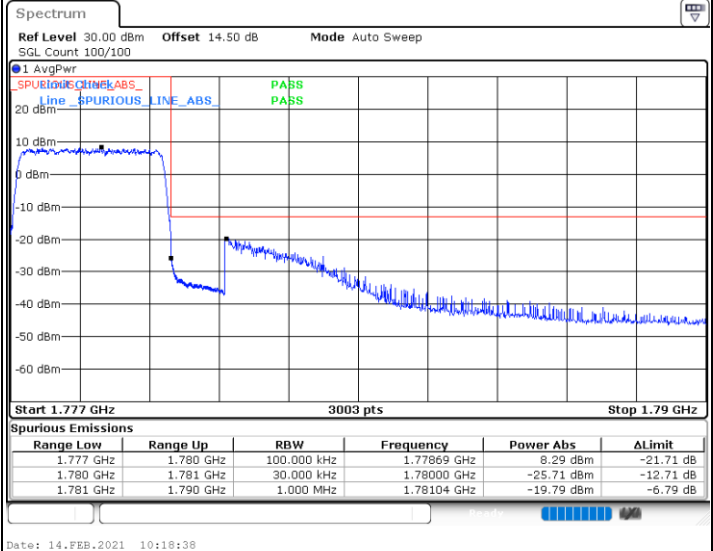
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



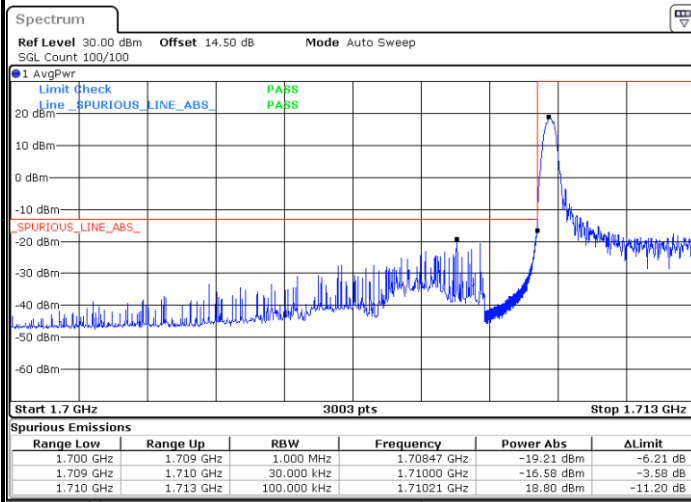
Highest Band Edge / Full RB



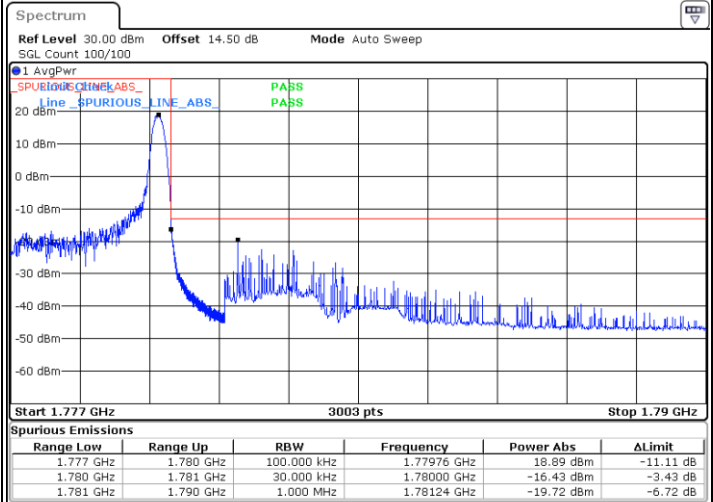


LTE Band 66 / 3MHz / 16QAM

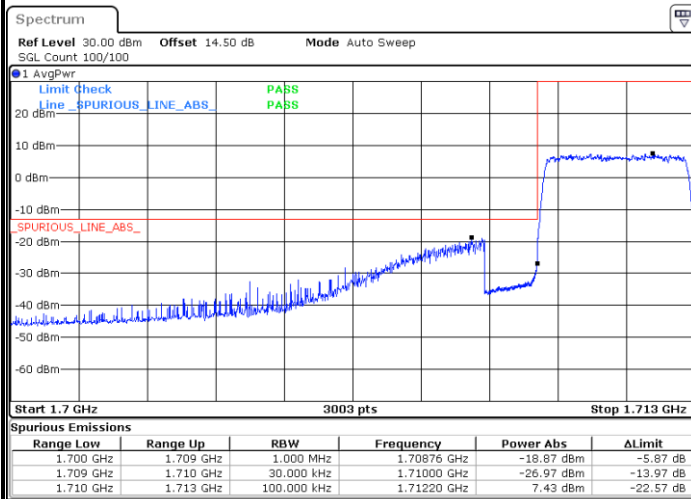
Lowest Band Edge / 1 RB



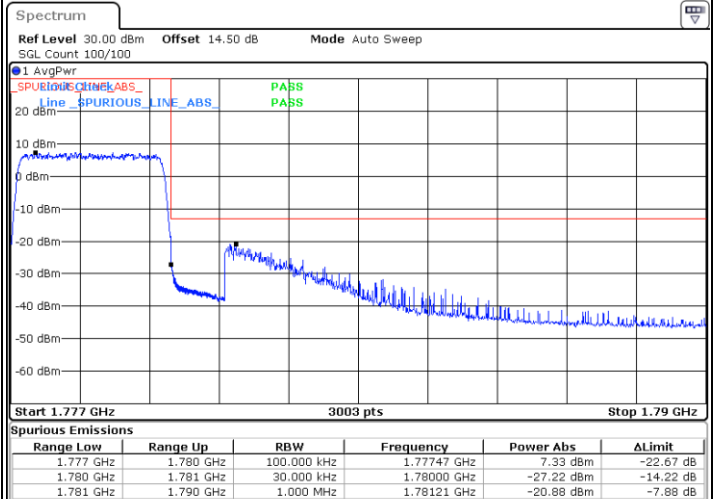
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



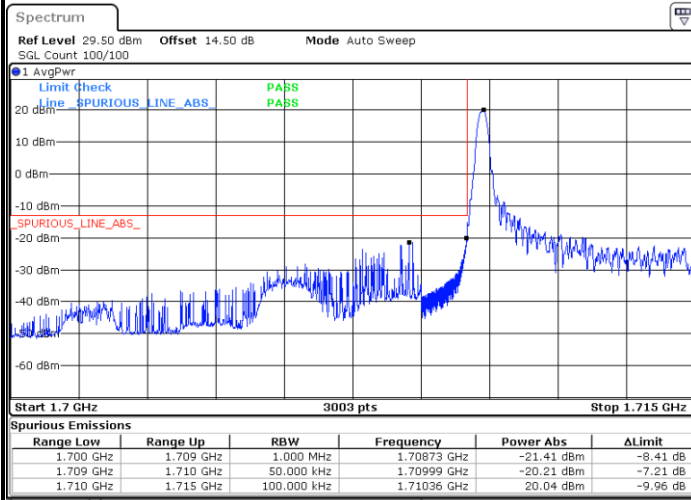
Highest Band Edge / Full RB



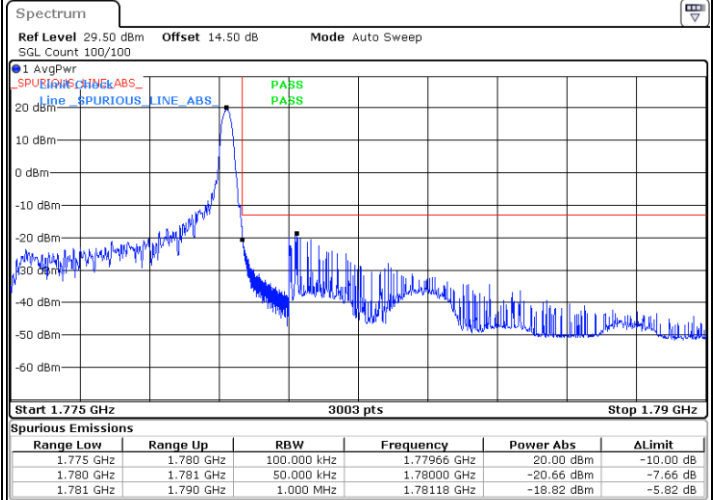


LTE Band 66 / 5MHz / QPSK

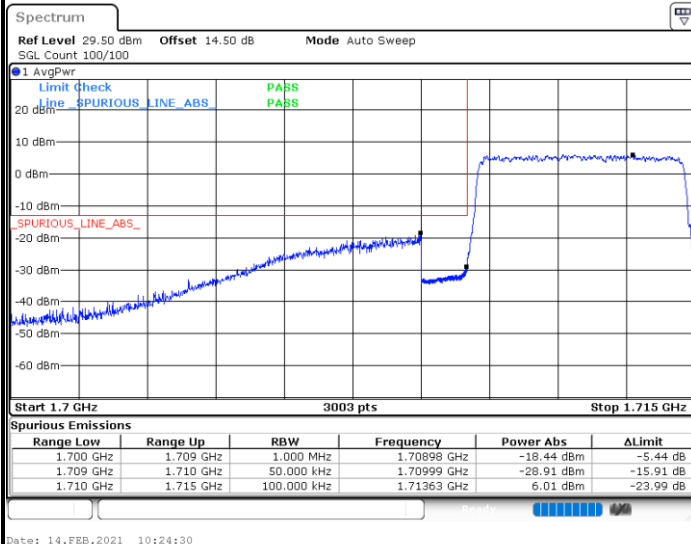
Lowest Band Edge / 1 RB



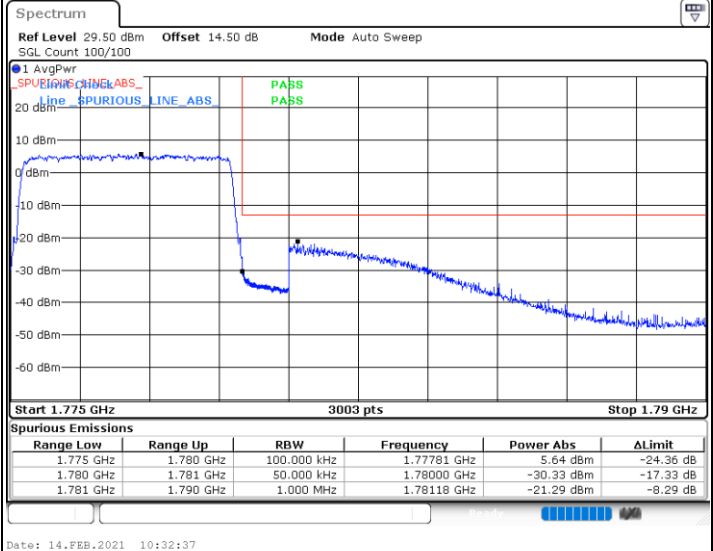
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



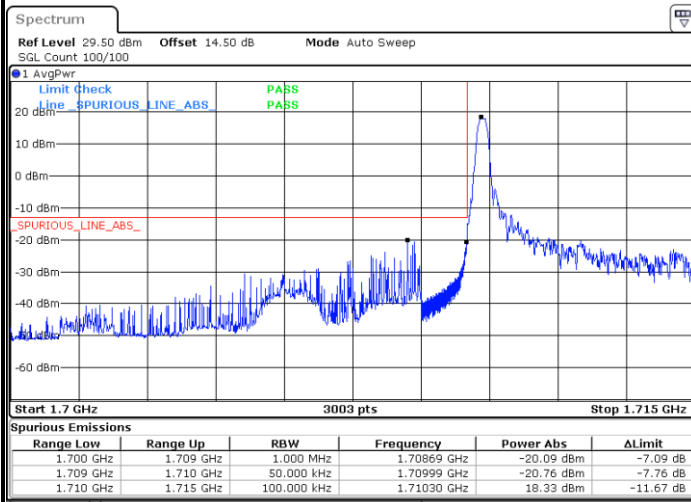
Highest Band Edge / Full RB



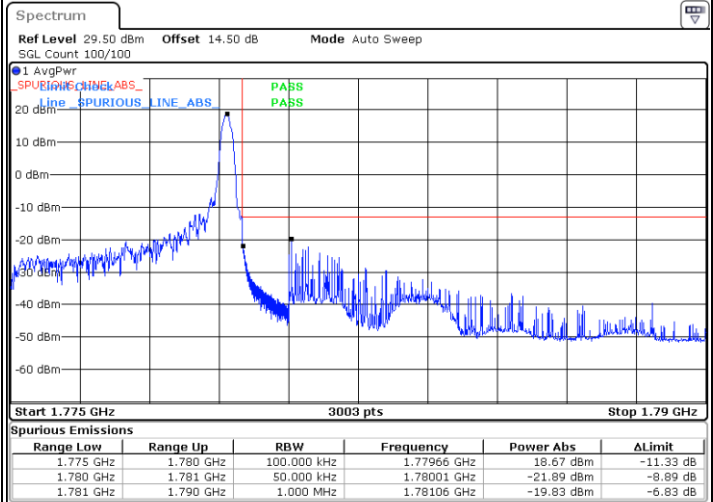


LTE Band 66 / 5MHz / 16QAM

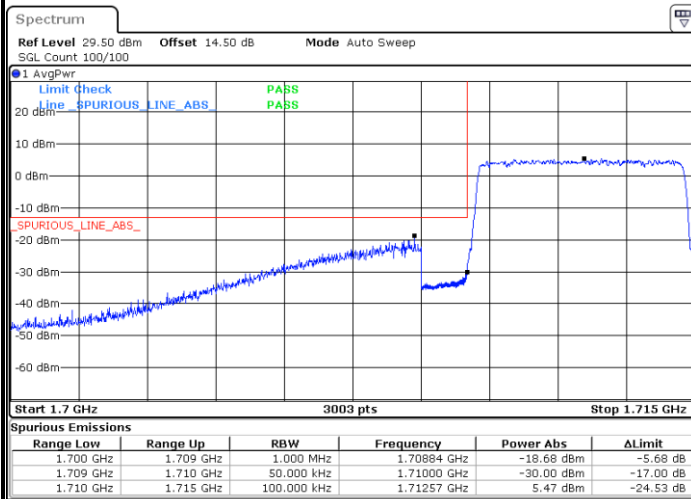
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

