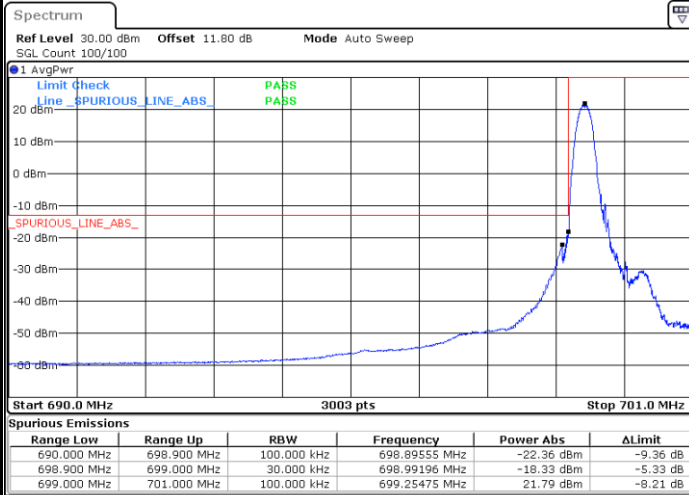




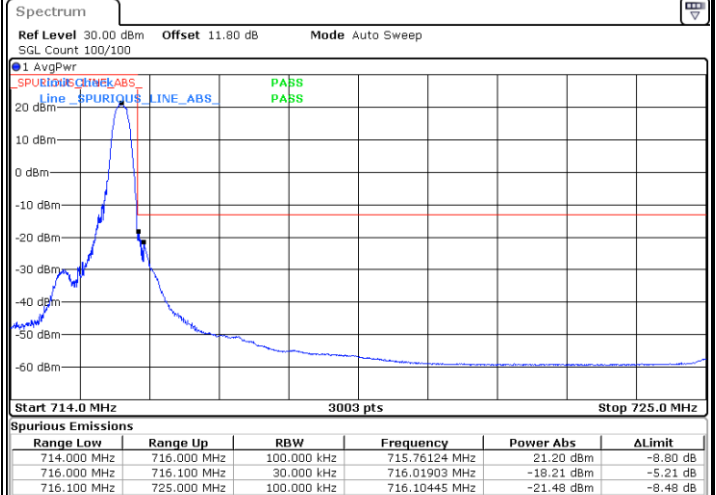
Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

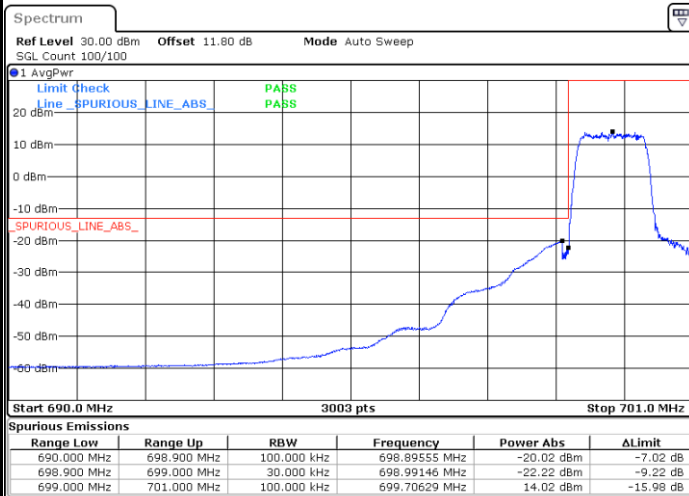
Lowest Band Edge / 1RB



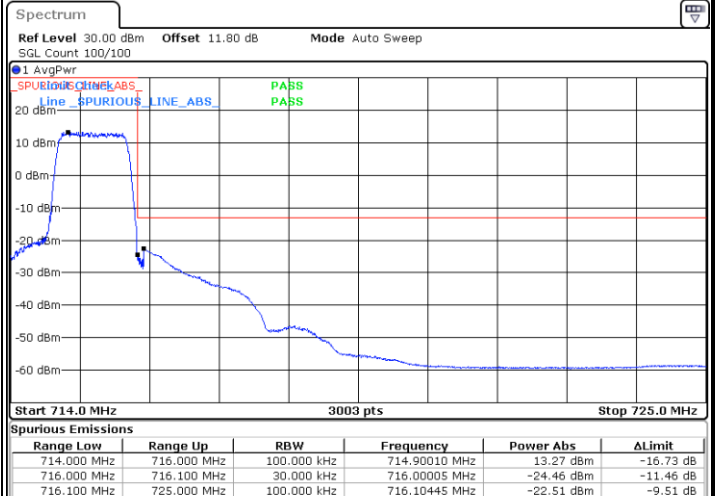
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



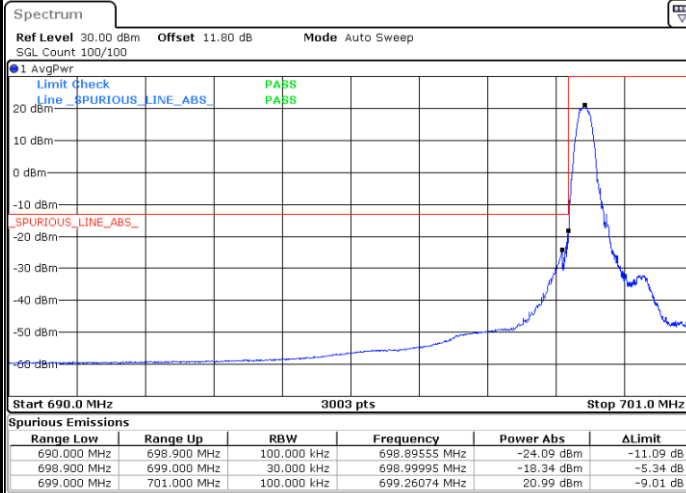
Highest Band Edge / Full RB



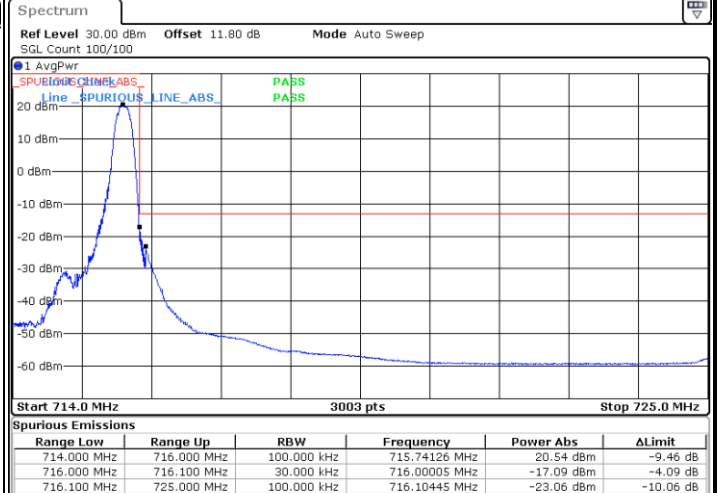


LTE Band 12 / 1.4MHz / 16QAM

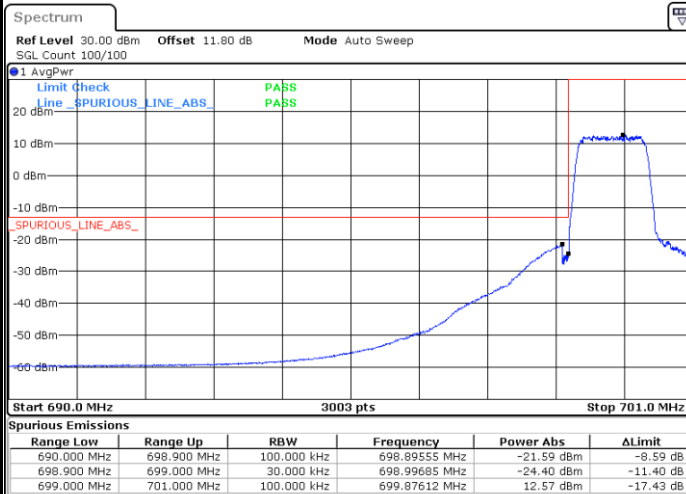
Lowest Band Edge / 1 RB



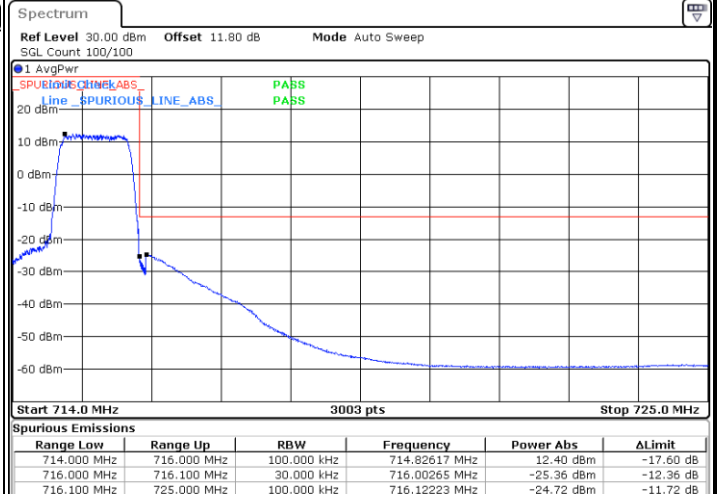
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



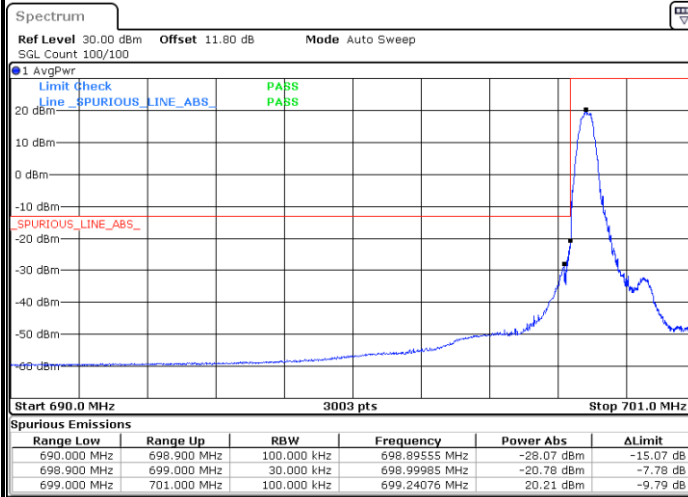
Highest Band Edge / Full RB





LTE Band 12 / 1.4MHz / 64QAM

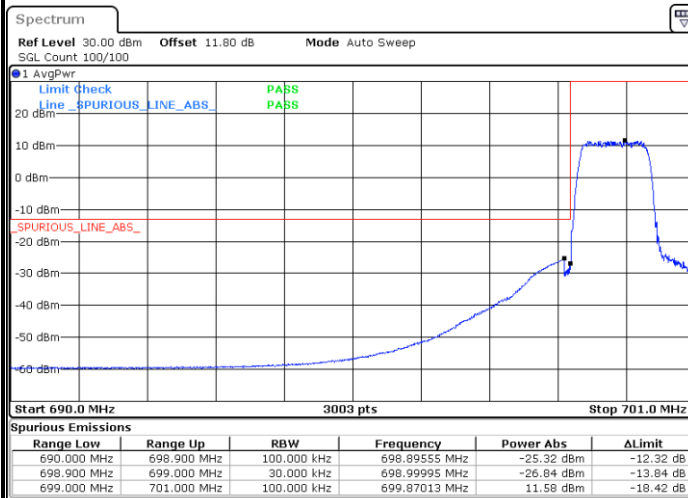
Lowest Band Edge / 1 RB



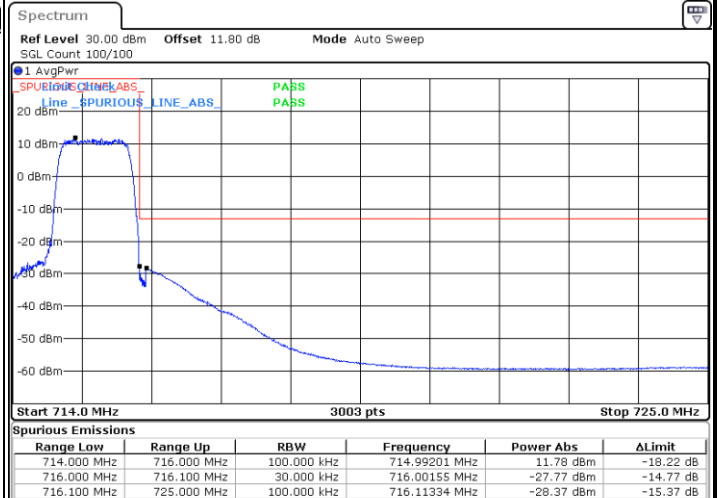
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



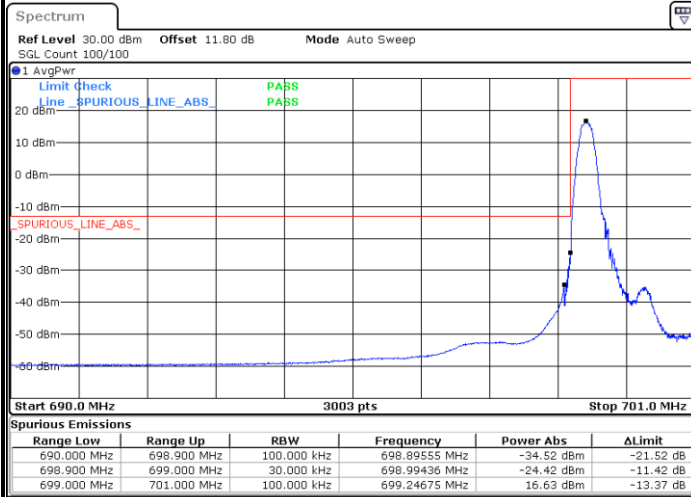
Highest Band Edge / Full RB



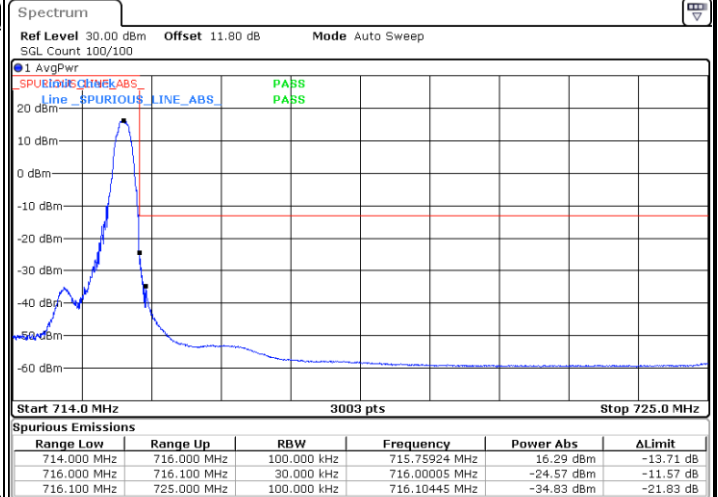


LTE Band 12 / 1.4MHz / 256QAM

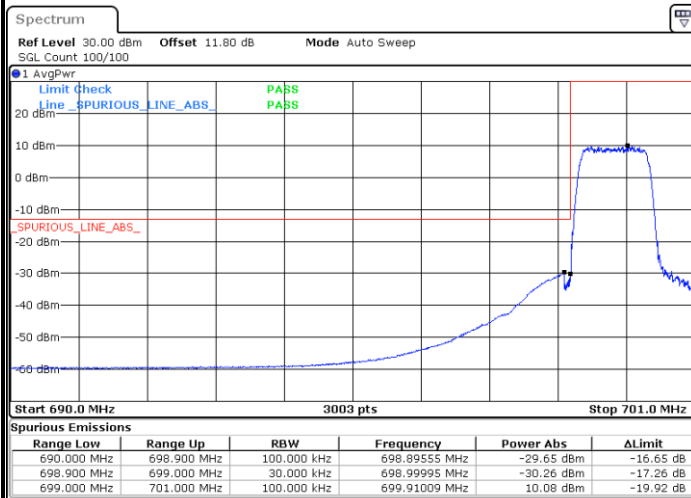
Lowest Band Edge / 1 RB



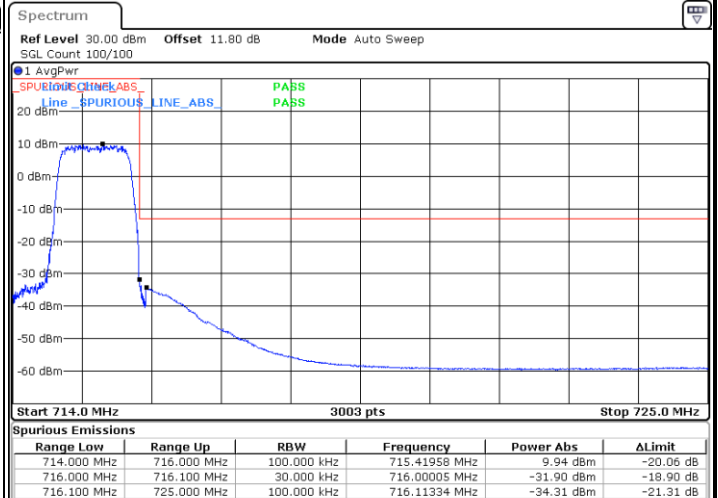
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



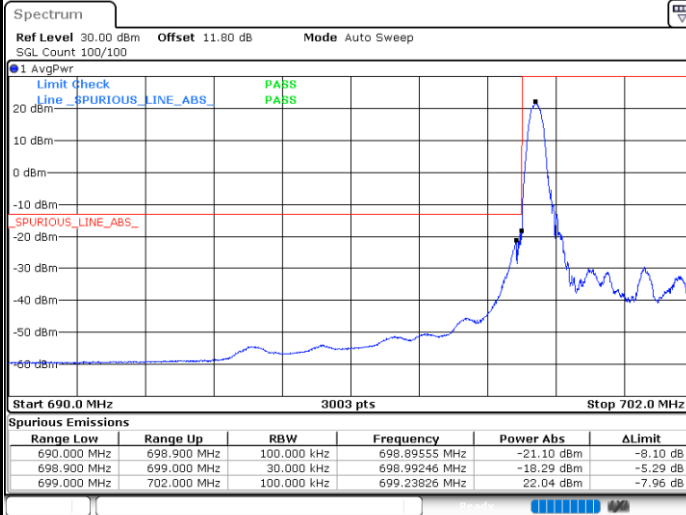
Highest Band Edge / Full RB



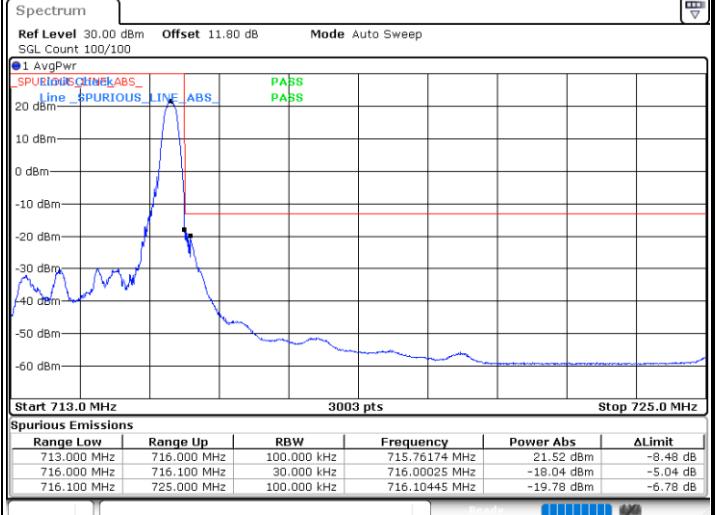


LTE Band 12 / 3MHz / QPSK

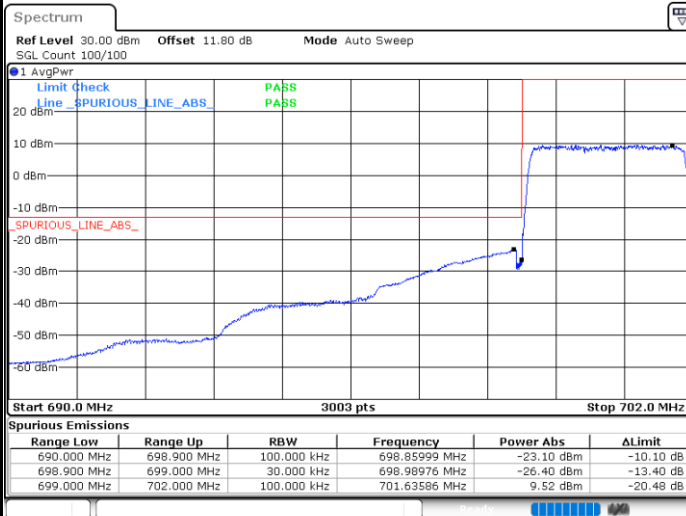
Lowest Band Edge / 1RB



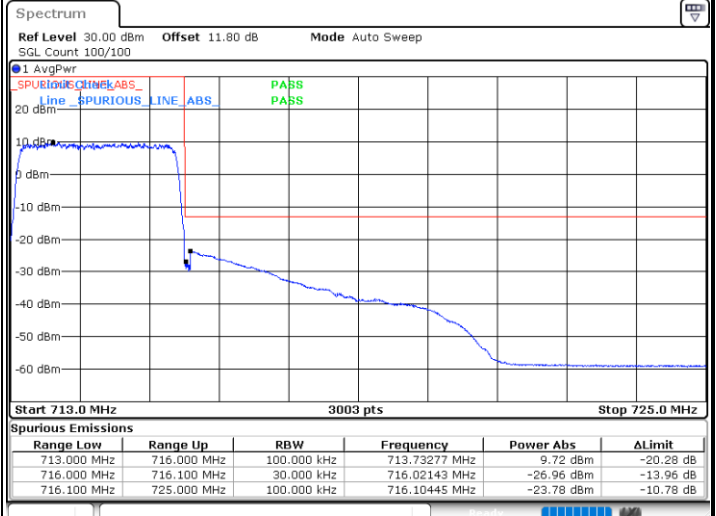
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



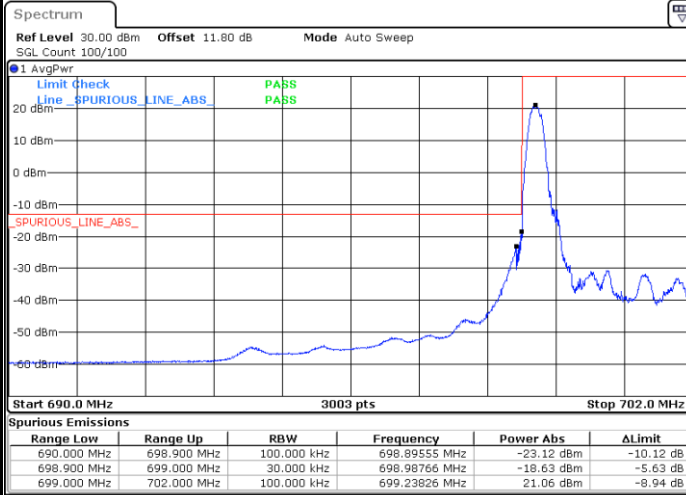
Highest Band Edge / Full RB



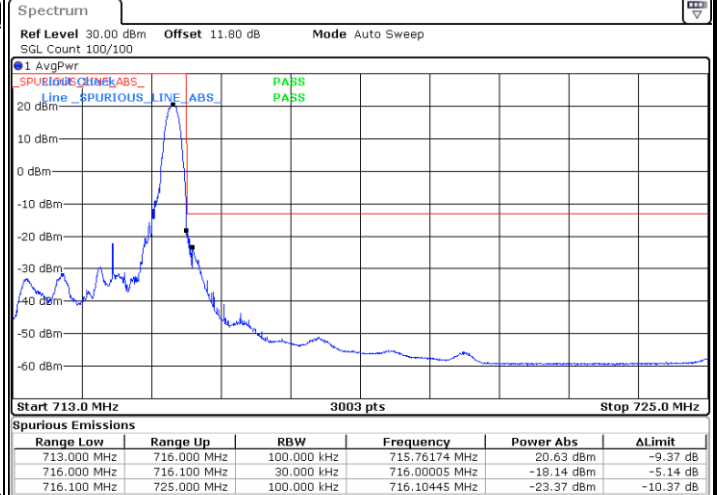


LTE Band 12 / 3MHz / 16QAM

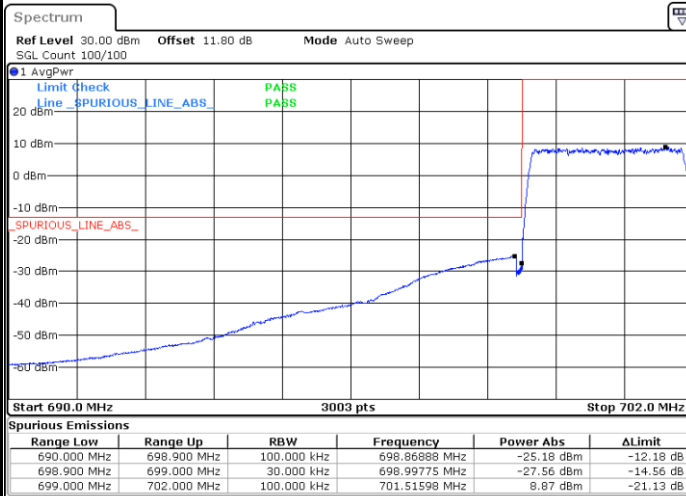
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



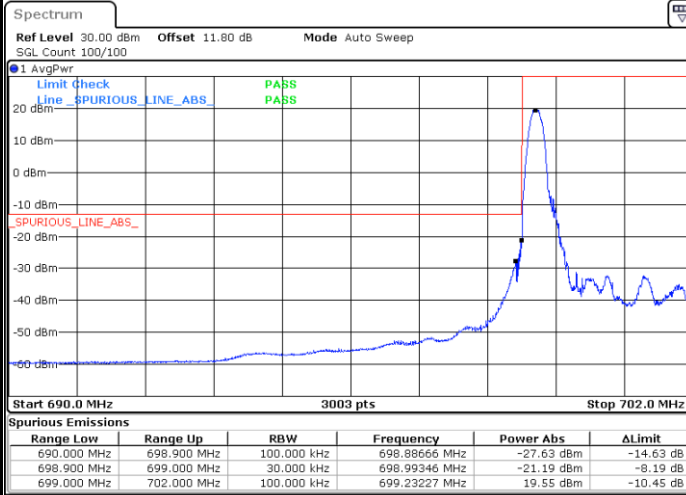
Highest Band Edge / Full RB



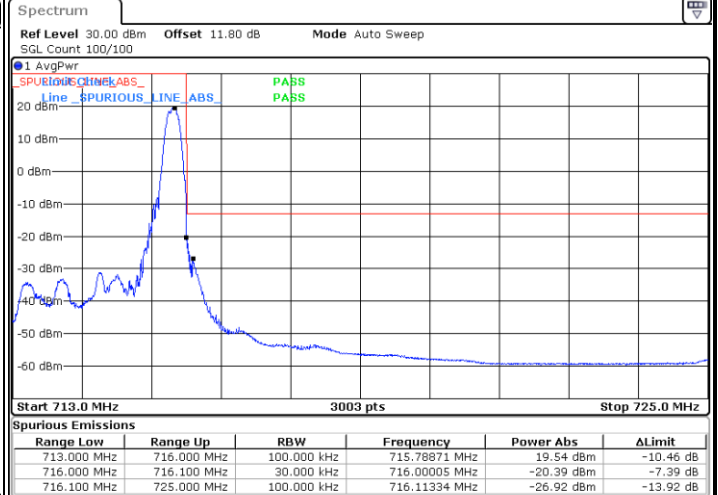


LTE Band 12 / 3MHz / 64QAM

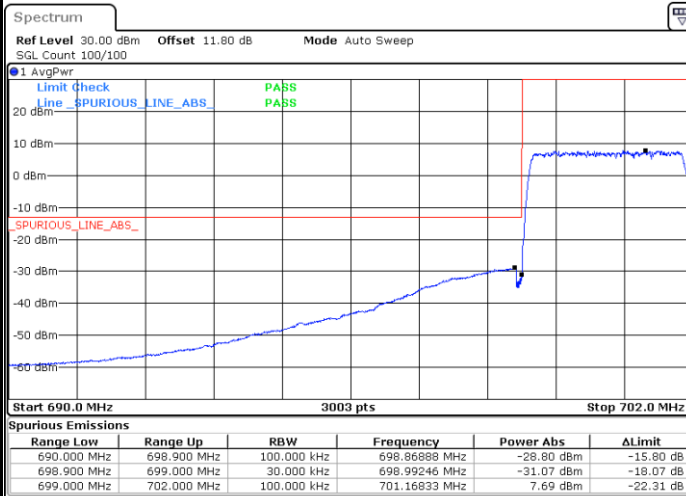
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



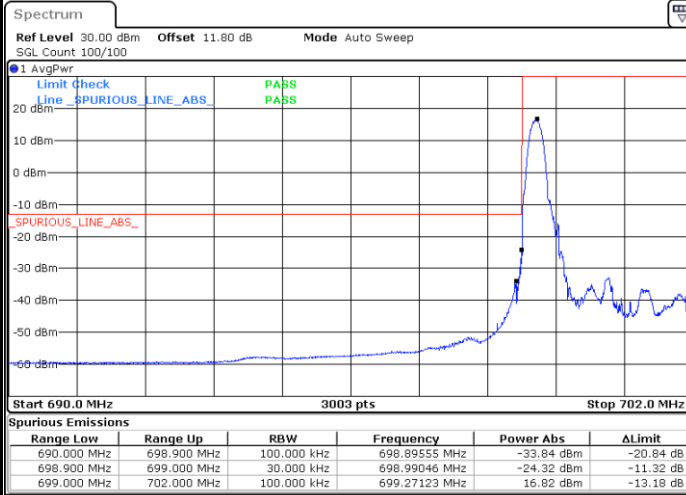
Highest Band Edge / Full RB



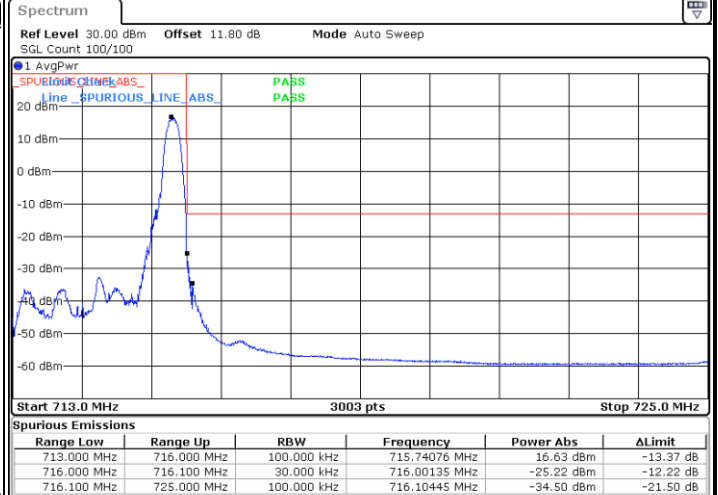


LTE Band 12 / 3MHz / 256QAM

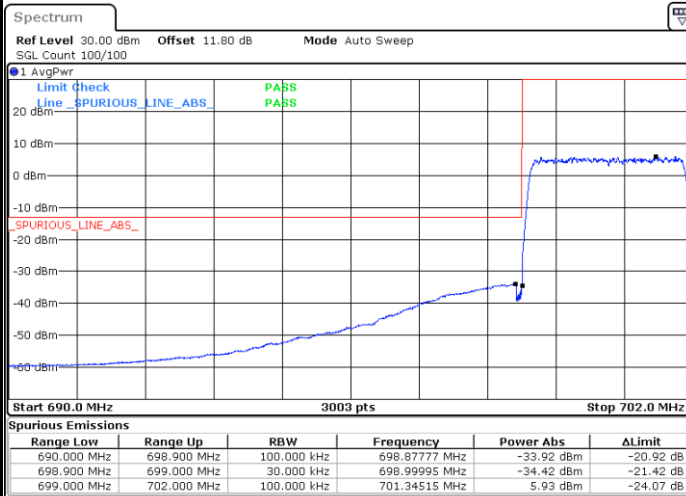
Lowest Band Edge / 1 RB



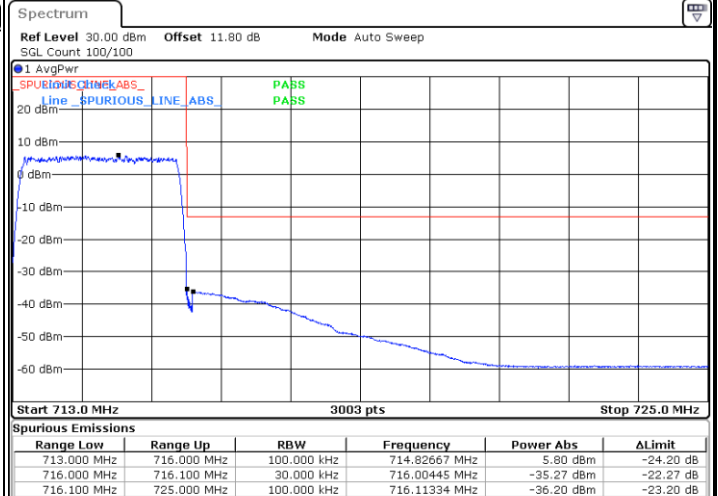
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



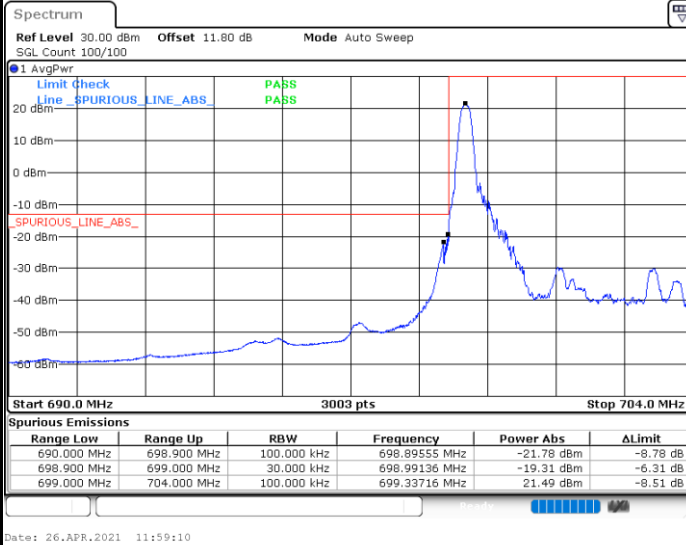
Highest Band Edge / Full RB



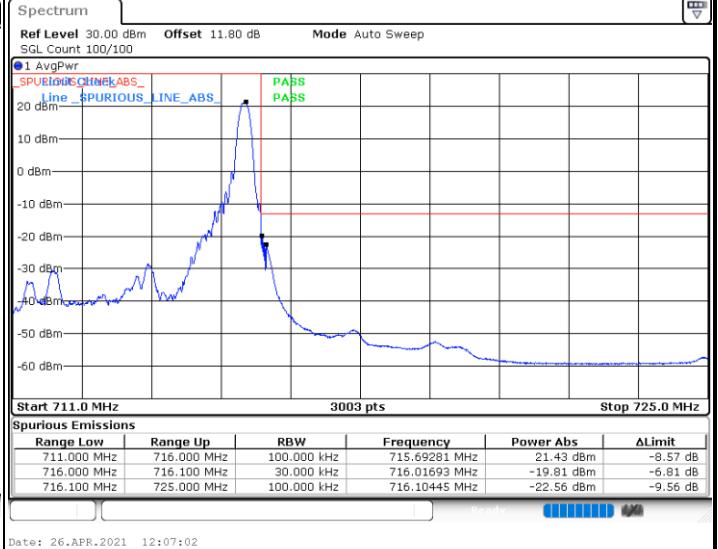


LTE Band 12 / 5MHz / QPSK

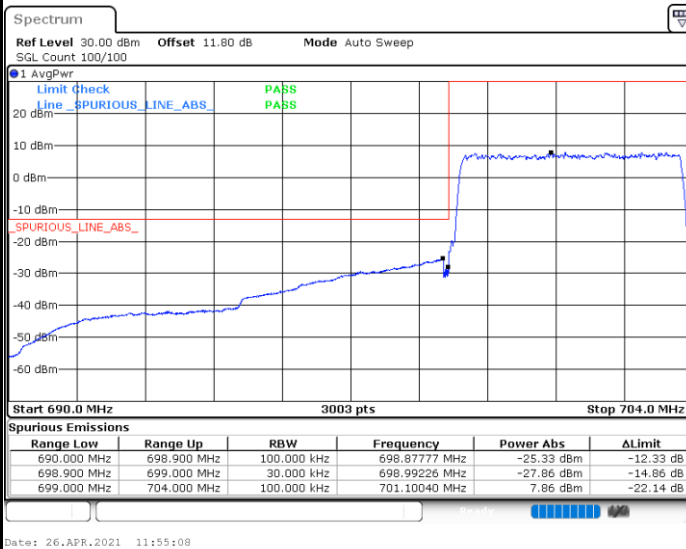
Lowest Band Edge / 1 RB



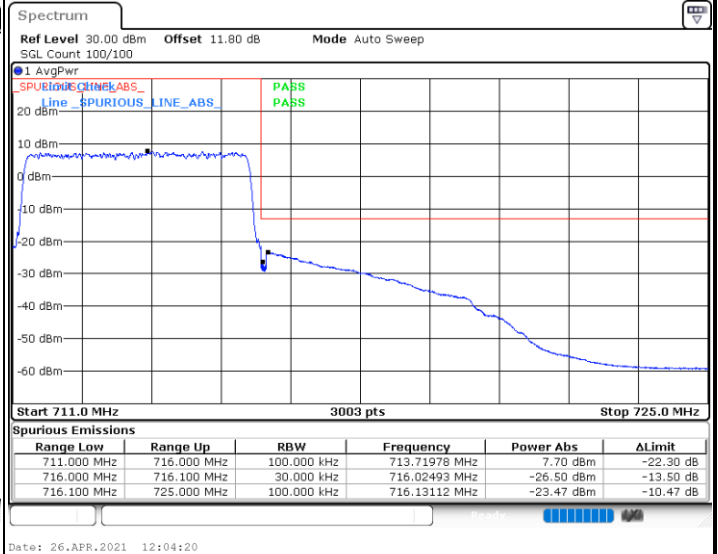
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



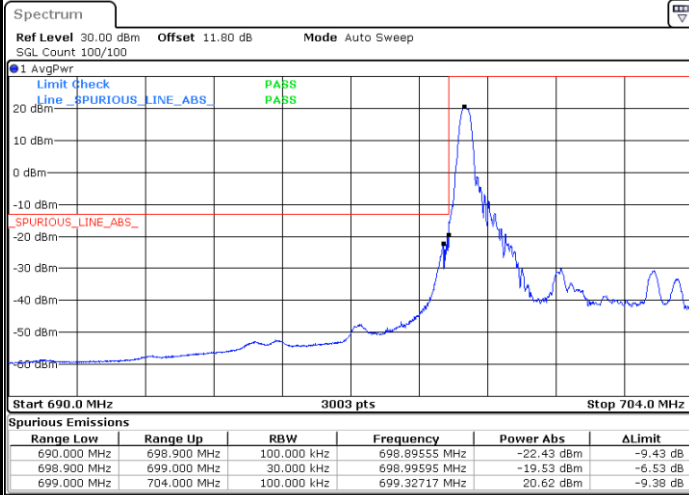
Highest Band Edge / Full RB



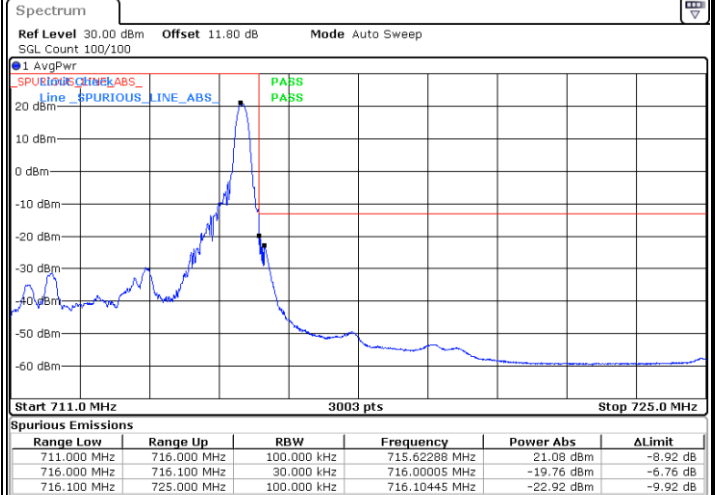


LTE Band 12 / 5MHz / 16QAM

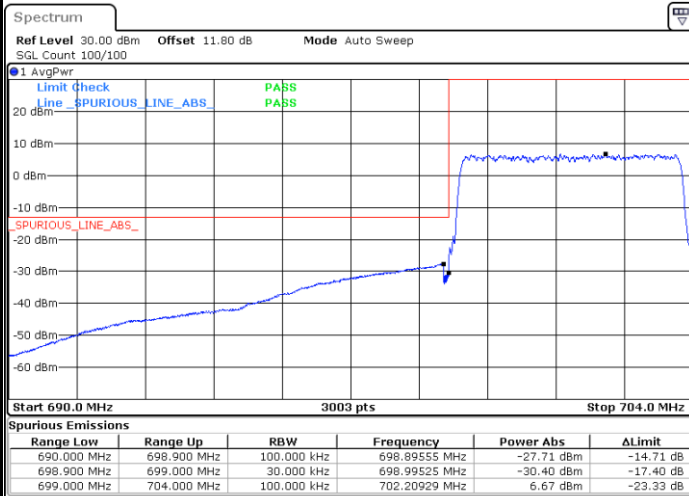
Lowest Band Edge / 1RB



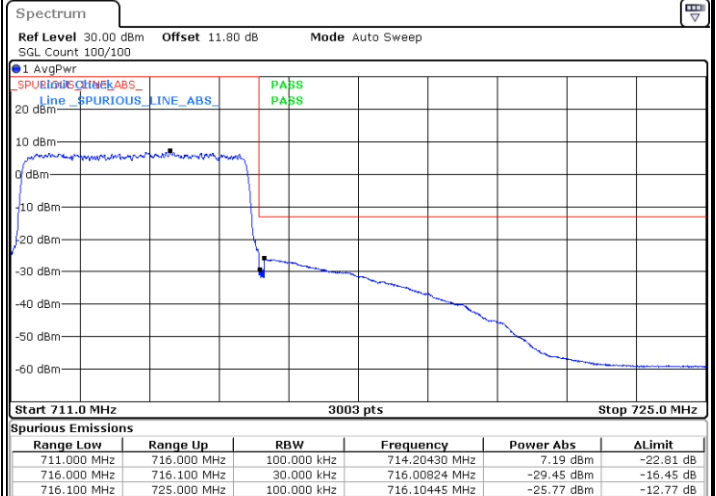
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



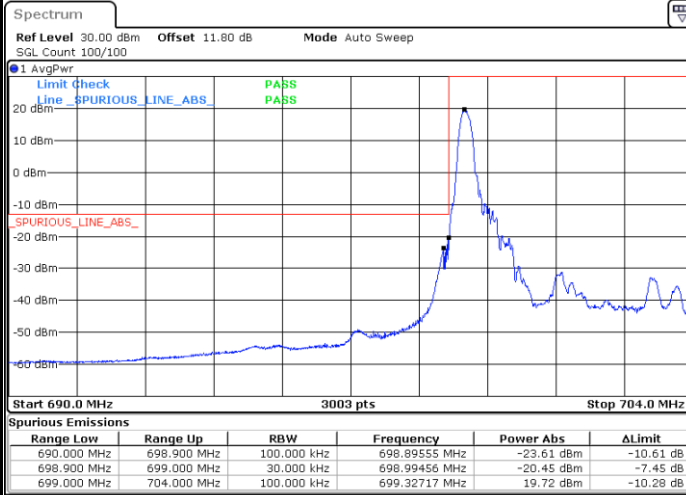
Highest Band Edge / Full RB



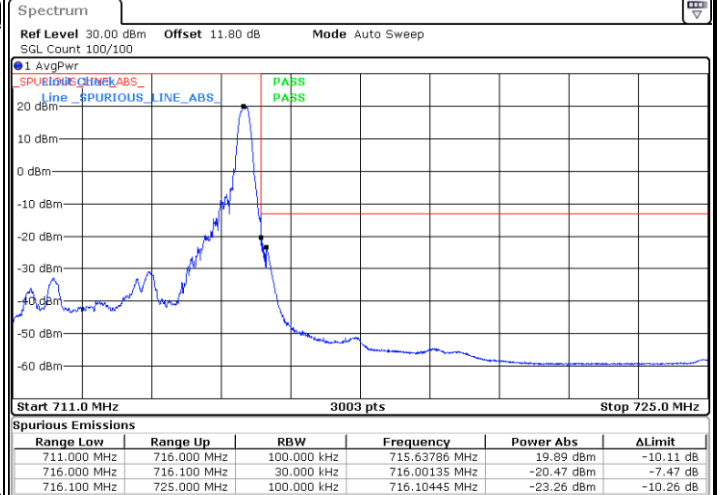


LTE Band 12 / 5MHz / 64QAM

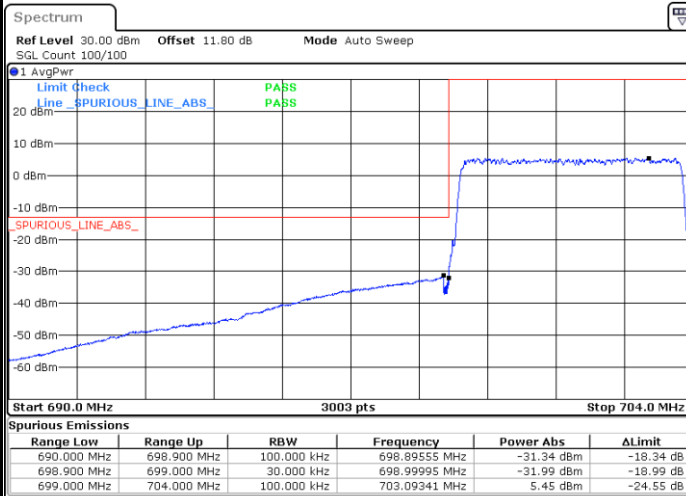
Lowest Band Edge / 1RB



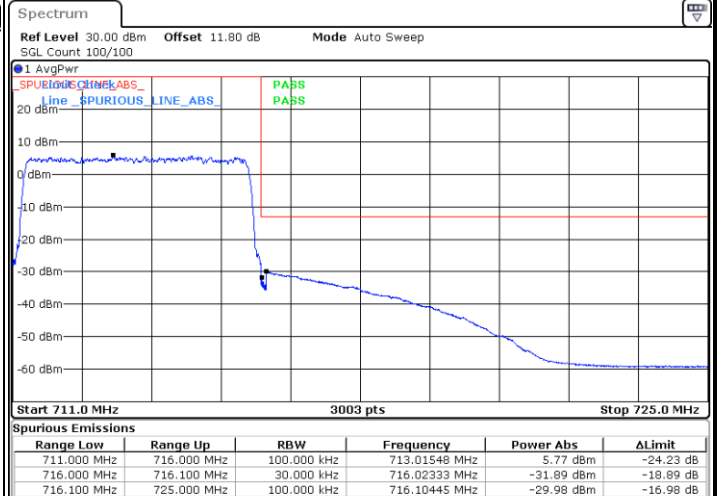
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



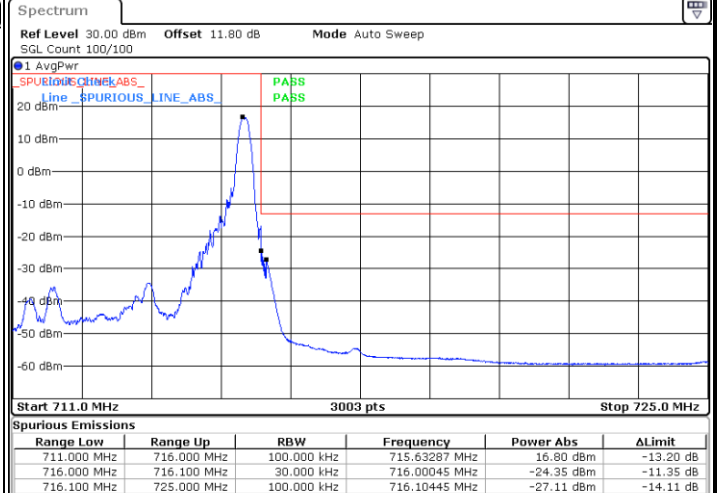


LTE Band 12 / 5MHz / 256QAM

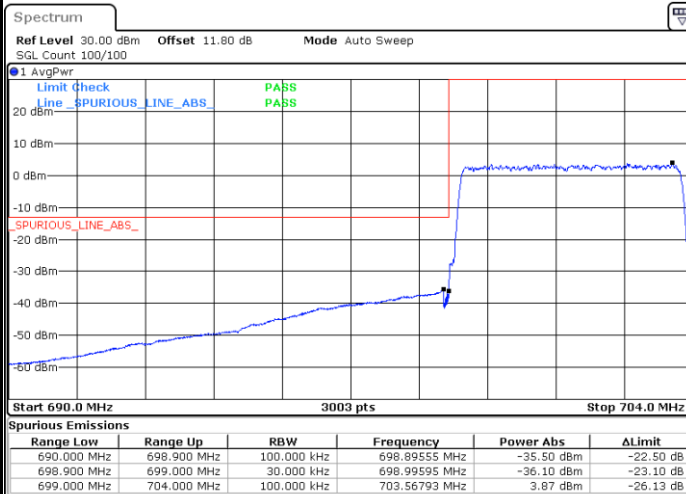
Lowest Band Edge / 1RB



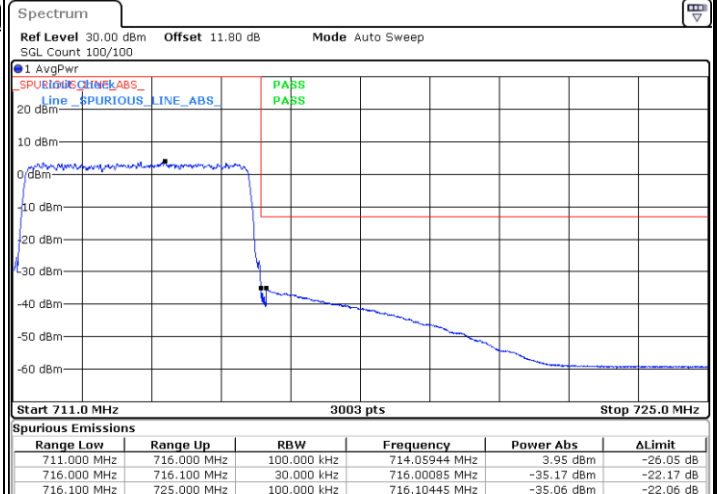
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



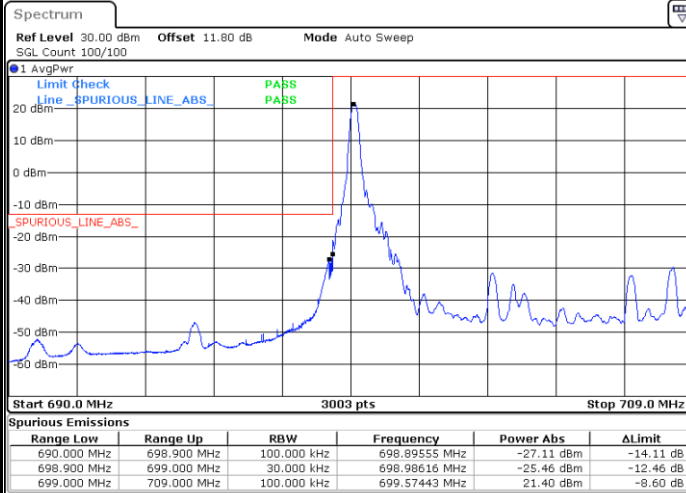
Highest Band Edge / Full RB



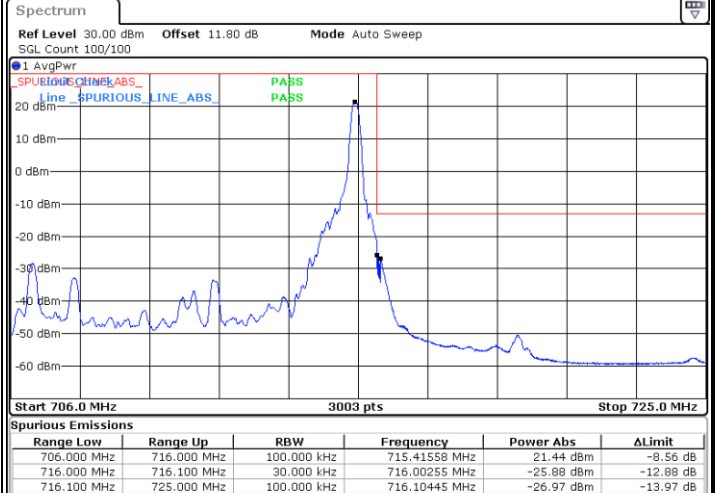


LTE Band 12 / 10MHz / QPSK

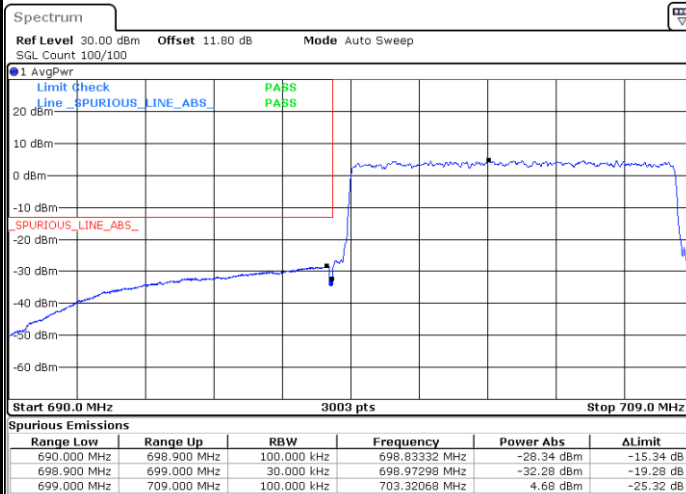
Lowest Band Edge / 1 RB



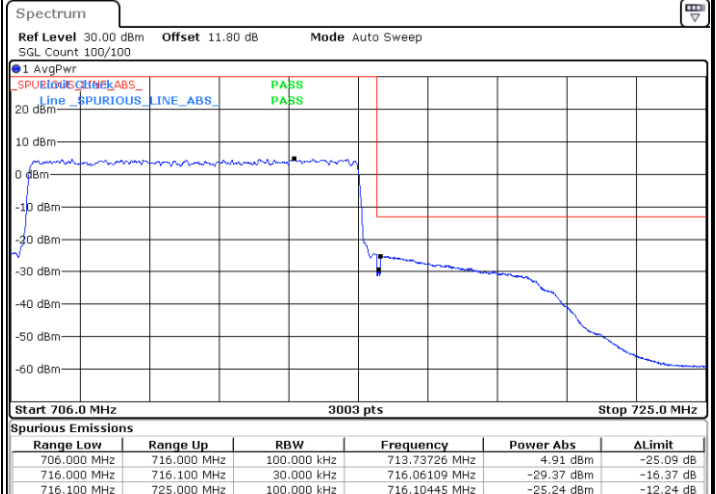
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



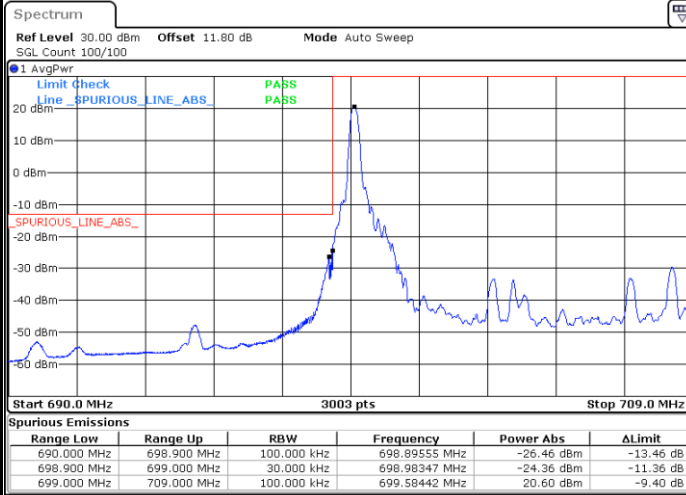
Highest Band Edge / Full RB



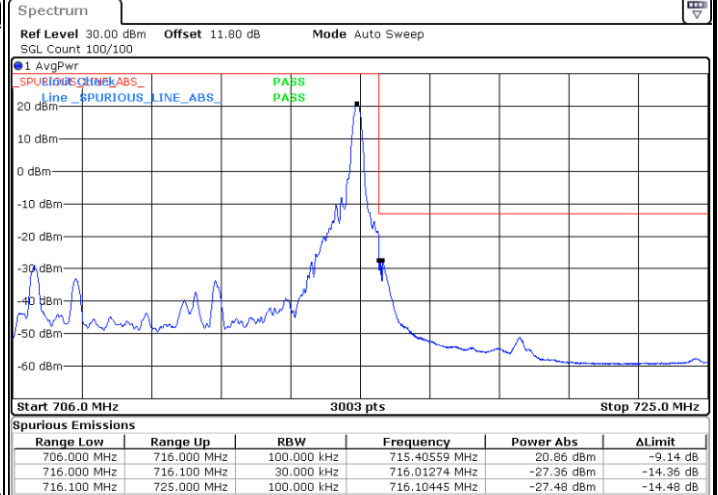


LTE Band 12 / 10MHz / 16QAM

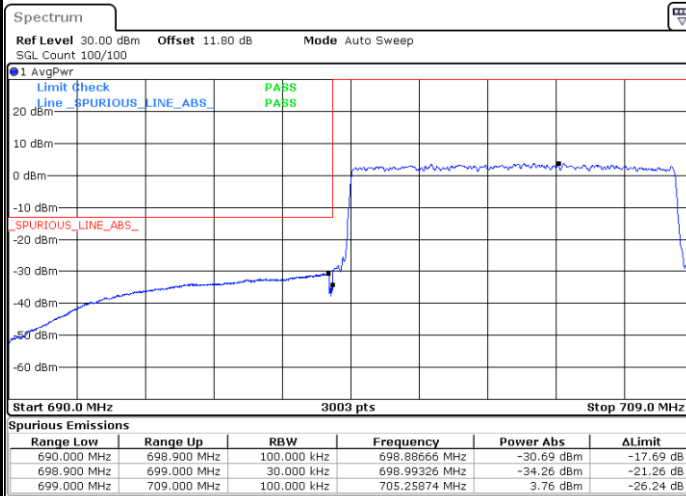
Lowest Band Edge / 1 RB



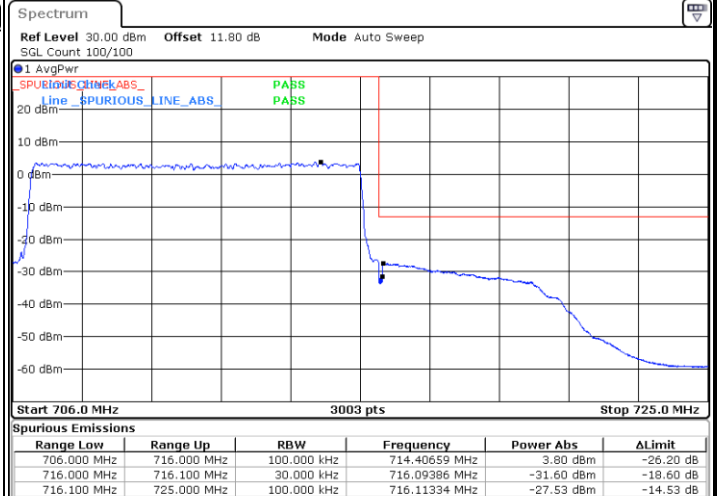
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



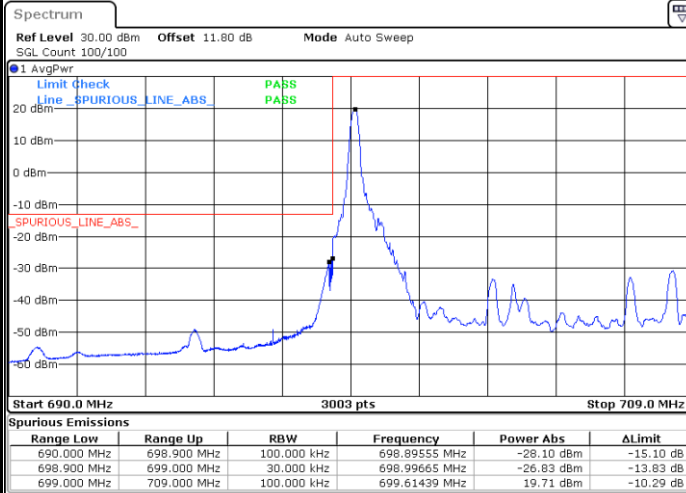
Highest Band Edge / Full RB



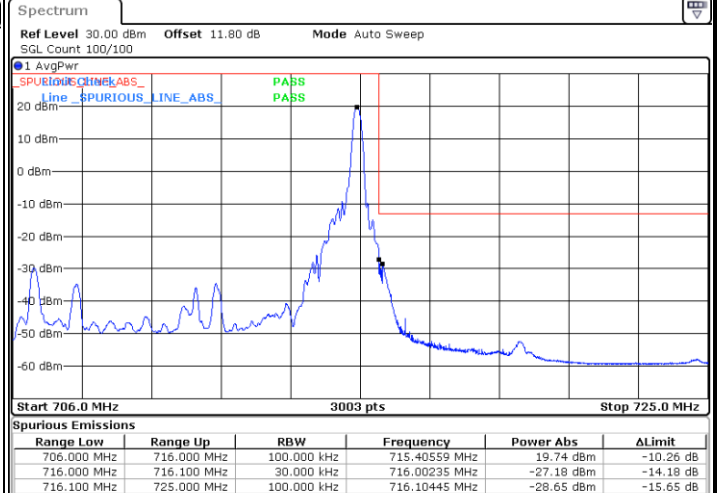


LTE Band 12 / 10MHz / 64QAM

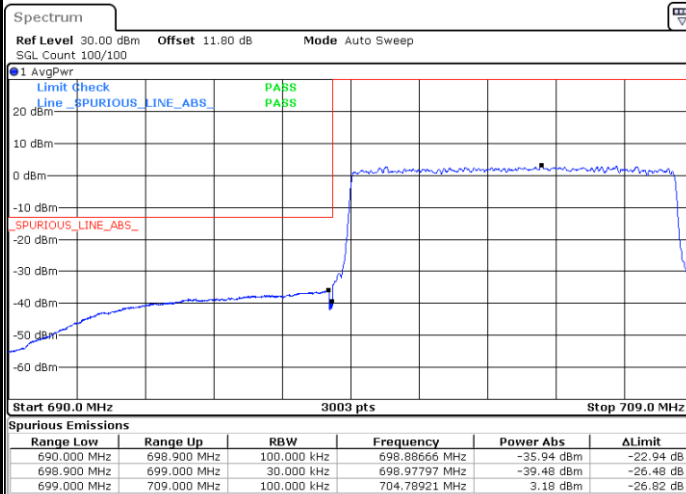
Lowest Band Edge / 1 RB



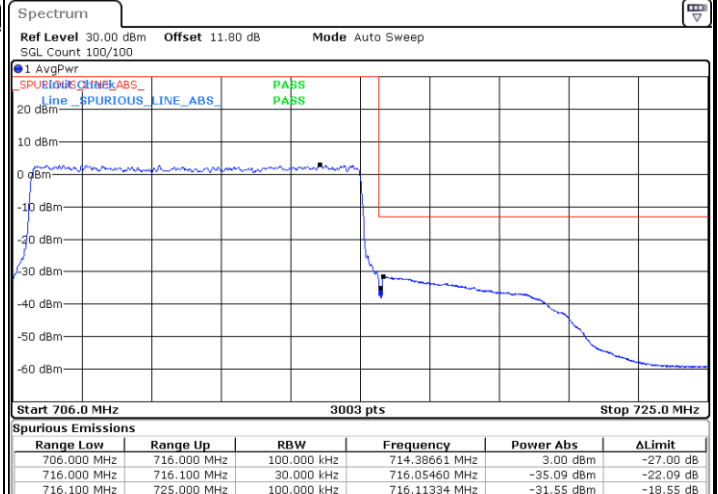
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



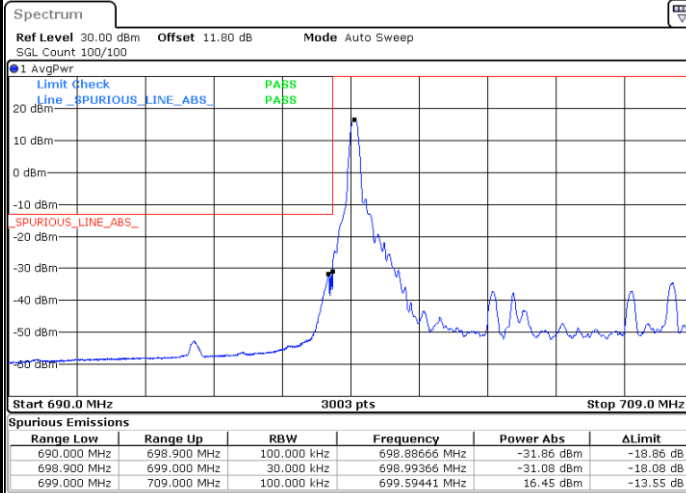
Highest Band Edge / Full RB



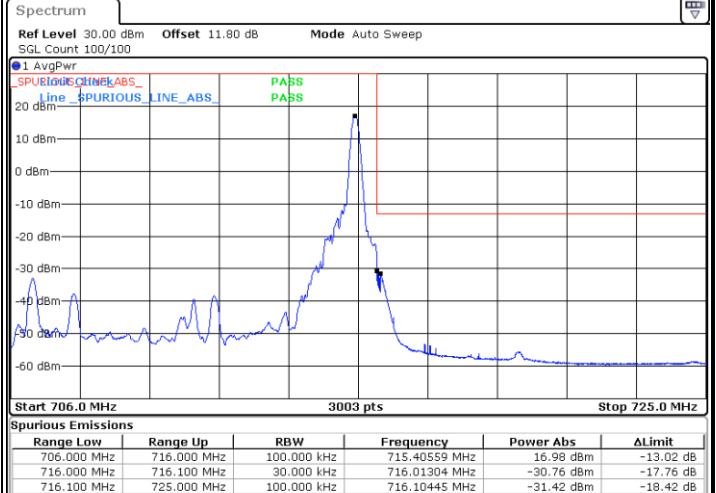


LTE Band 12 / 10MHz / 256QAM

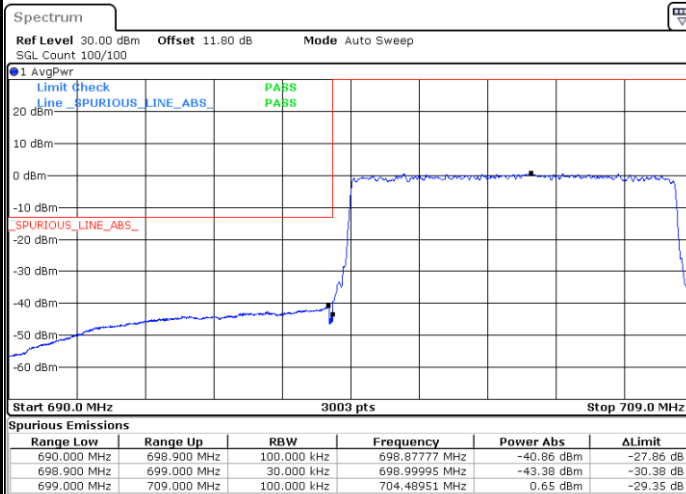
Lowest Band Edge / 1 RB



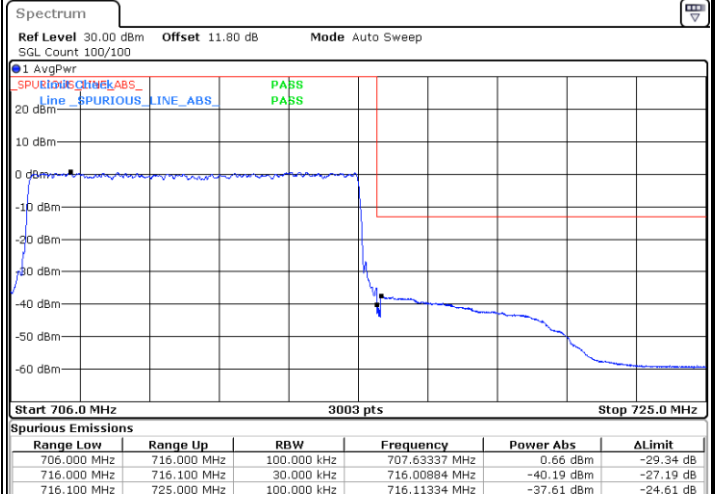
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

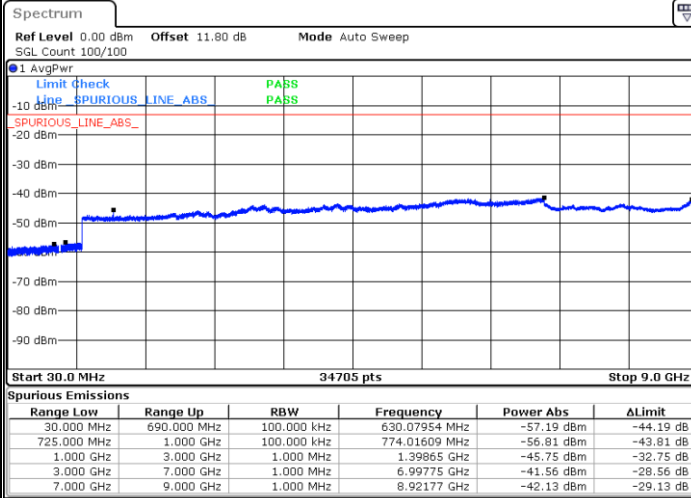




Conducted Spurious Emission

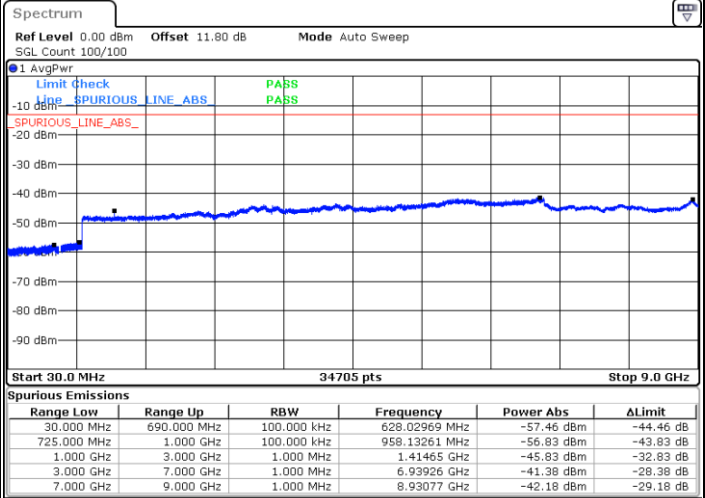
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



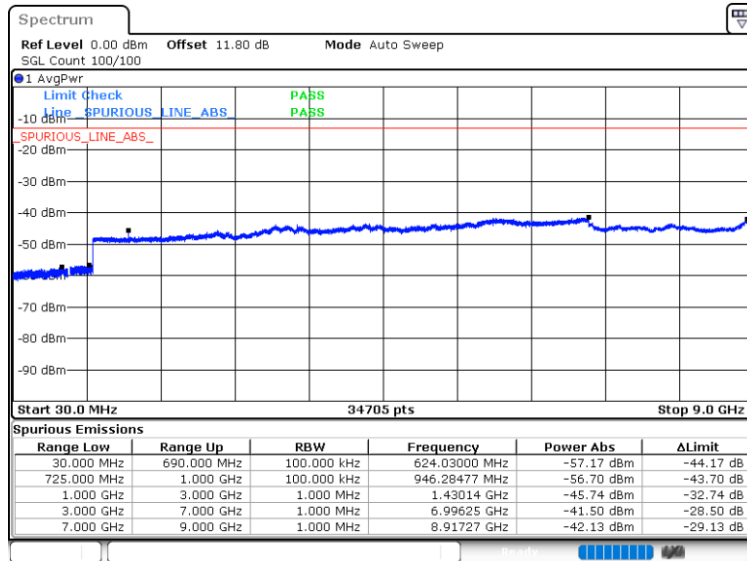
Date: 26.APR.2021 11:10:23

Middle Channel / QPSK



Date: 26.APR.2021 11:13:02

Highest Channel / QPSK

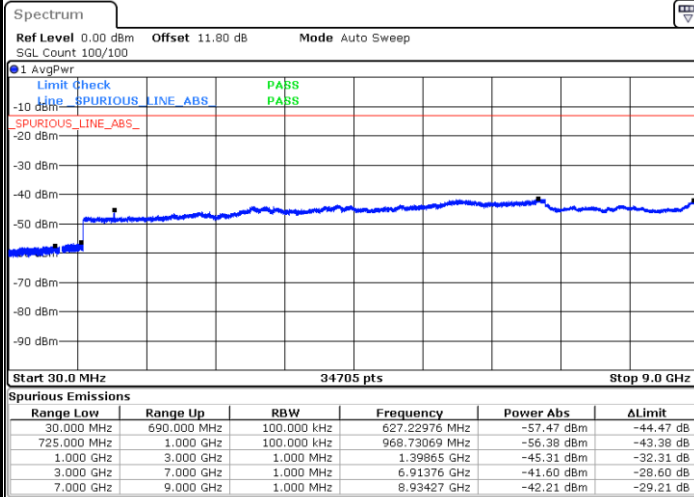


Date: 26.APR.2021 11:19:36



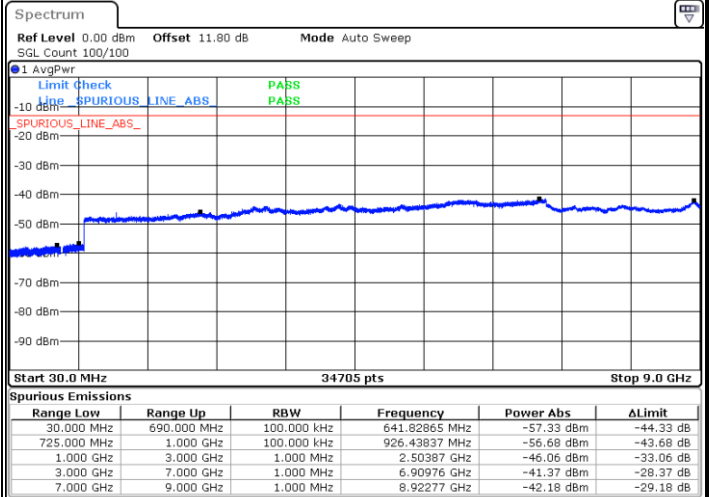
LTE Band 12 / 3MHz

Lowest Channel / QPSK



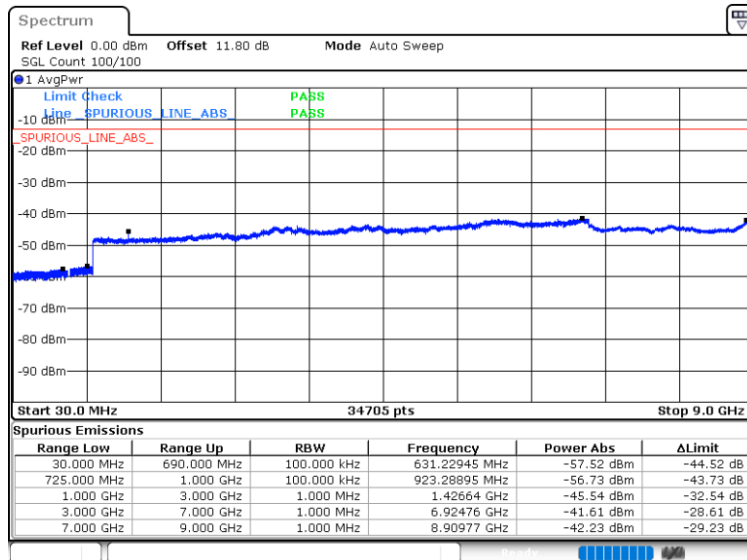
Date: 26.APR.2021 11:32:18

Middle Channel / QPSK



Date: 26.APR.2021 11:34:57

Highest Channel / QPSK

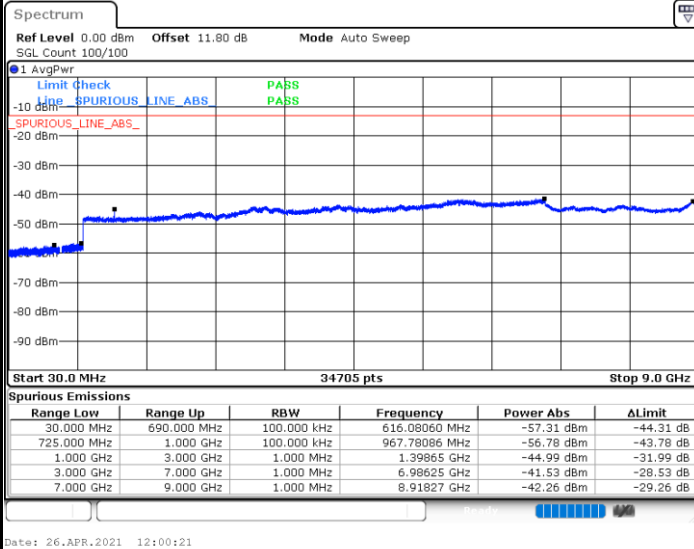


Date: 26.APR.2021 11:41:31

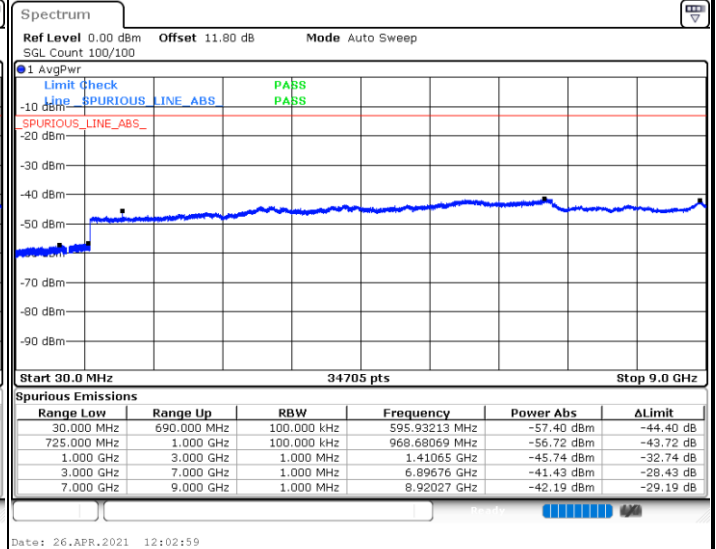


LTE Band 12 / 5MHz

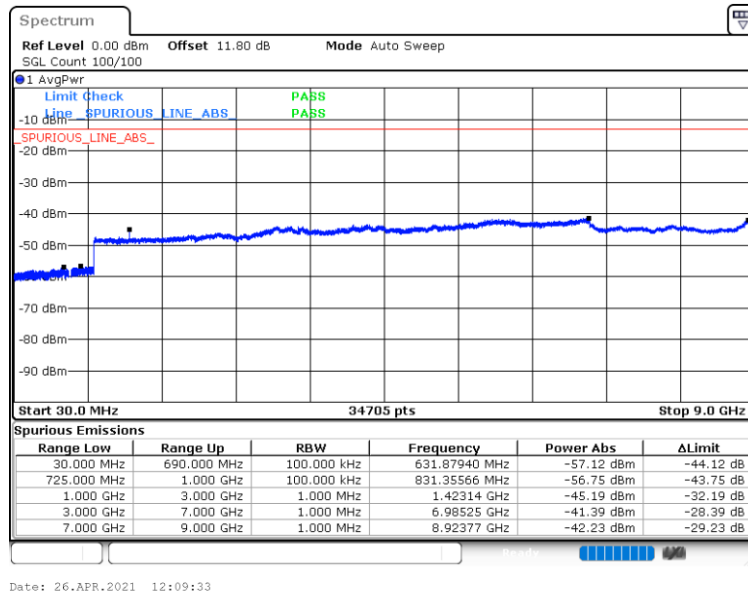
Lowest Channel / QPSK



Middle Channel / QPSK



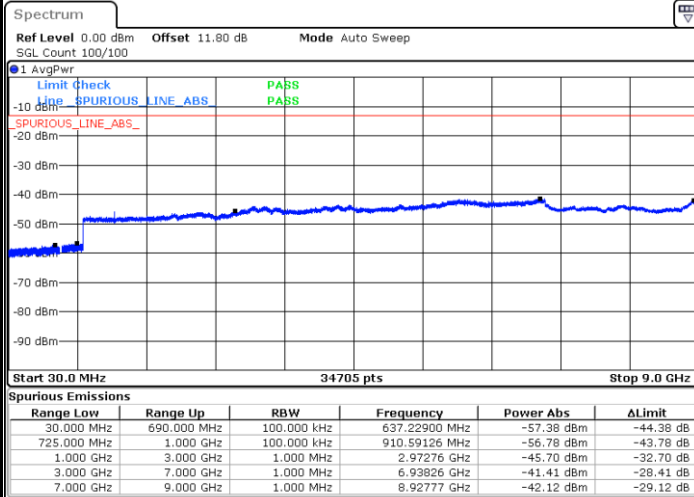
Highest Channel / QPSK





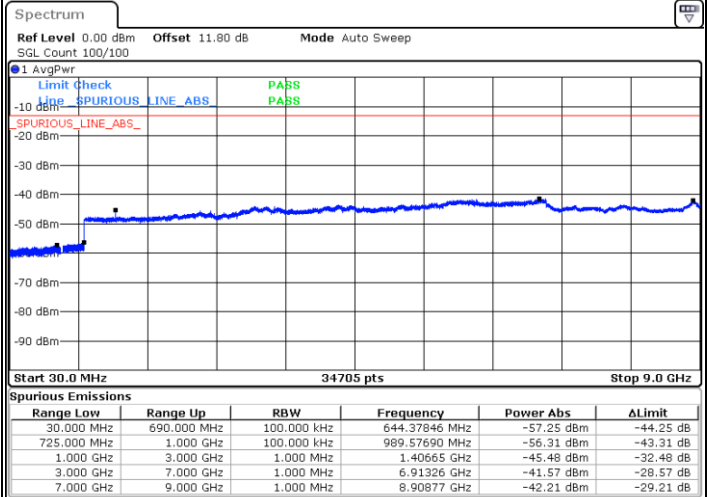
LTE Band 12 / 10MHz

Lowest Channel / QPSK



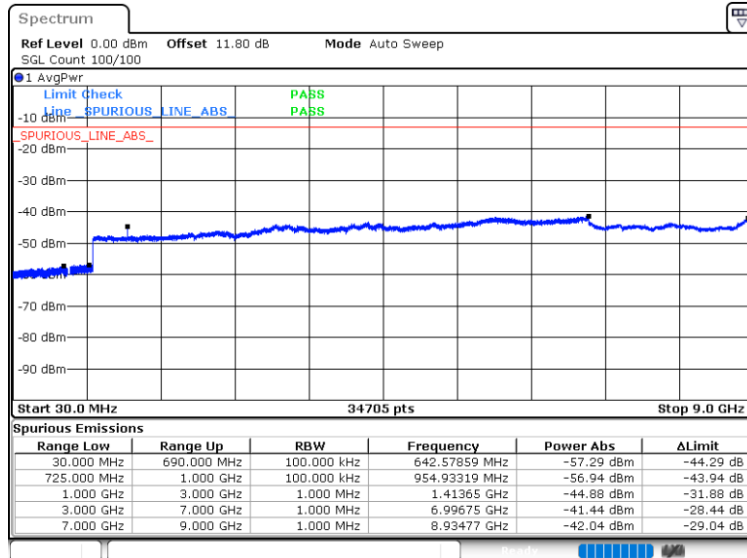
Date: 26.APR.2021 12:16:08

Middle Channel / QPSK



Date: 26.APR.2021 12:18:46

Highest Channel / QPSK



Date: 26.APR.2021 12:25:20

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	0.0051	PASS
40	Normal Voltage	0.0090	
30	Normal Voltage	0.0065	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0117	
-10	Normal Voltage	0.0049	
-20	Normal Voltage	0.0052	
-30	Normal Voltage	0.0150	
20	Maximum Voltage	0.0126	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0092	

Note:

1. Normal Voltage =3.8 V. ; Minimum Voltage =3.4 V. ; Maximum Voltage =4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

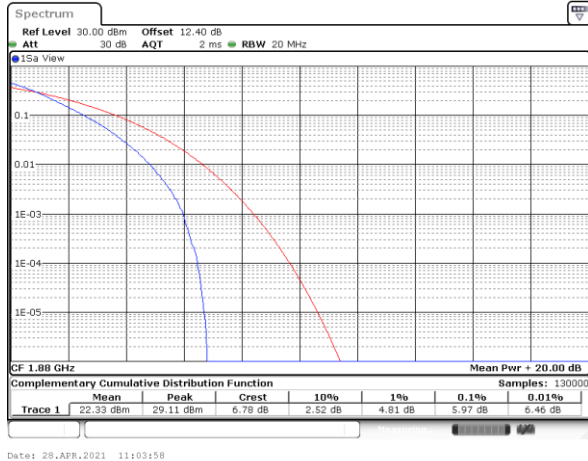
Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.97	6.81	6.99	6.90	PASS



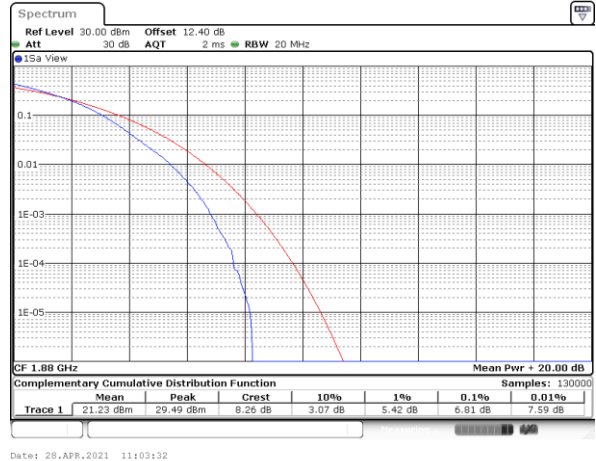
LTE Band 25 / 20MHz / QPSK

Middle Channel / Full RB



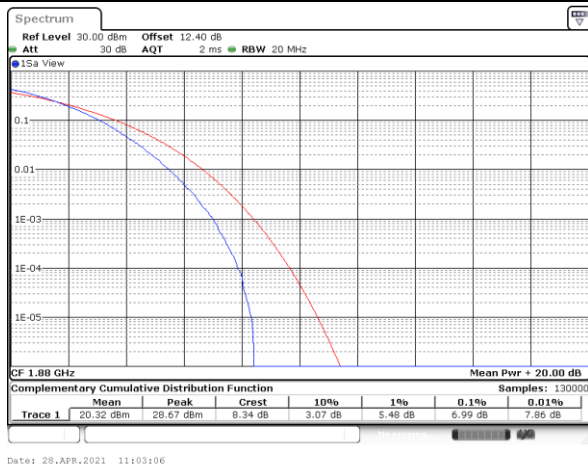
LTE Band 25 / 20MHz / 16QAM

Middle Channel / Full RB



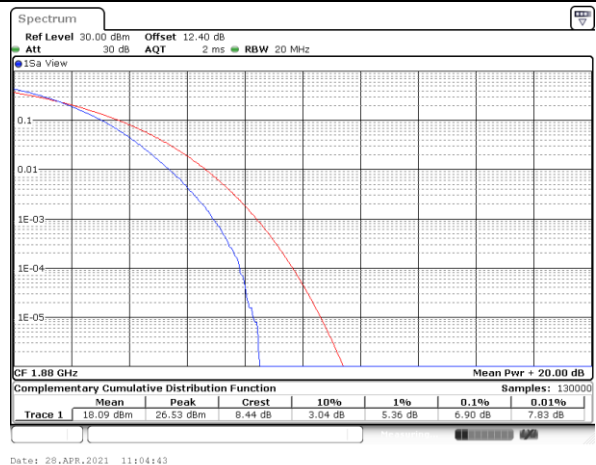
LTE Band 25 / 20MHz / 64QAM

Middle Channel / Full RB



LTE Band 25 / 20MHz / 256QAM

Middle Channel / Full RB



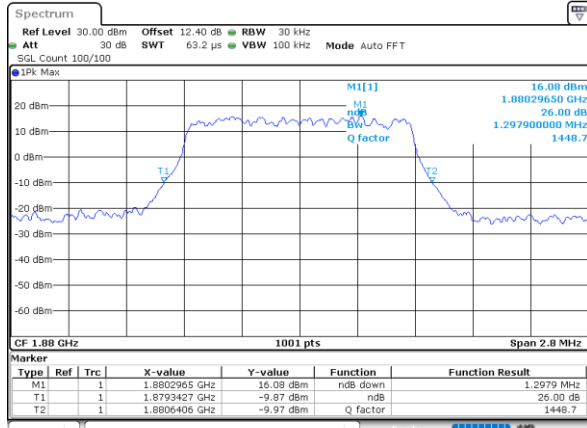
**26dB Bandwidth**

Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.30	1.25	2.98	3.00	4.78	4.82	9.65	9.71	14.18	14.45	18.90	19.14
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.29	1.28	2.94	2.99	4.85	4.89	9.67	9.75	14.45	14.36	18.86	18.90



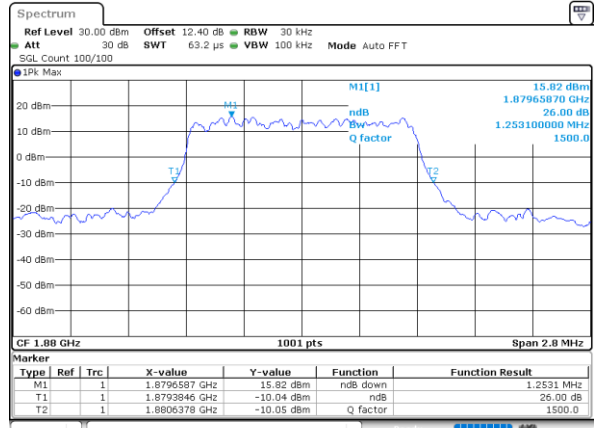
LTE Band 25

Middle Channel / 1.4MHz / QPSK



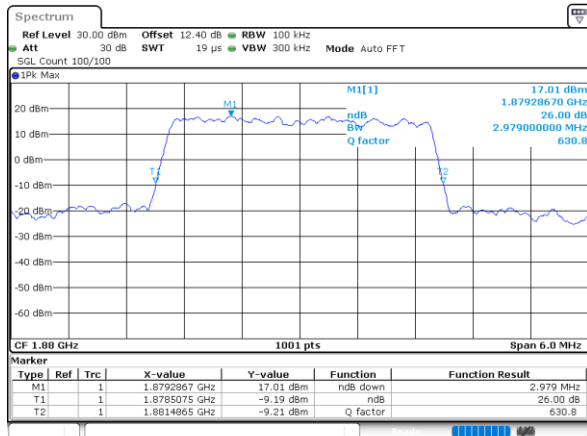
Date: 28.APR.2021 09:07:33

Middle Channel / 1.4MHz / 16QAM



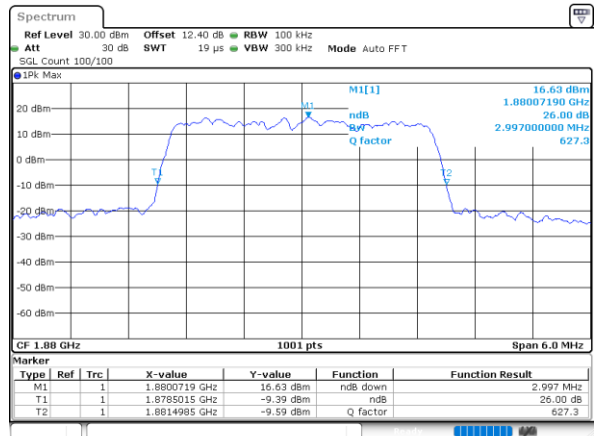
Date: 28.APR.2021 09:07:55

Middle Channel / 3MHz / QPSK



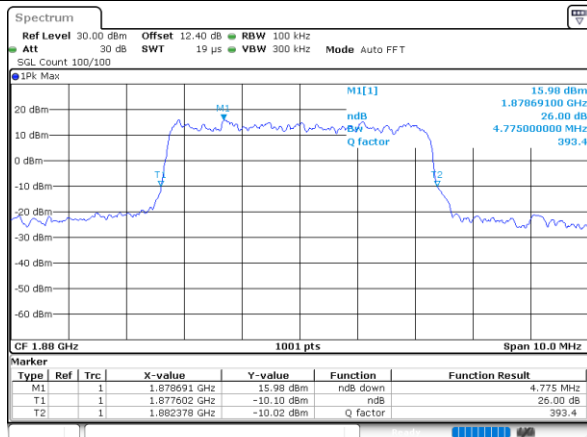
Date: 28.APR.2021 09:27:46

Middle Channel / 3MHz / 16QAM



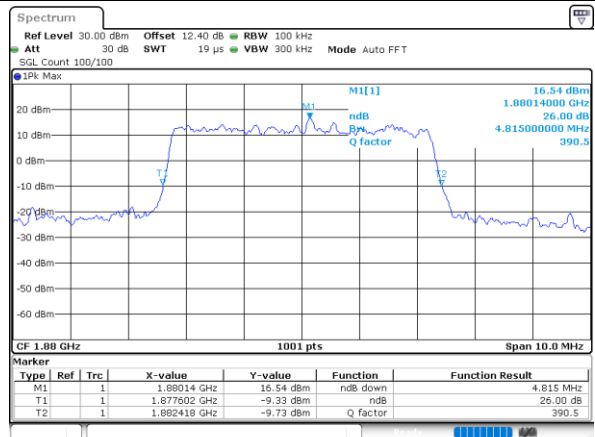
Date: 28.APR.2021 09:28:08

Middle Channel / 5MHz / QPSK



Date: 28.APR.2021 09:39:41

Middle Channel / 5MHz / 16QAM

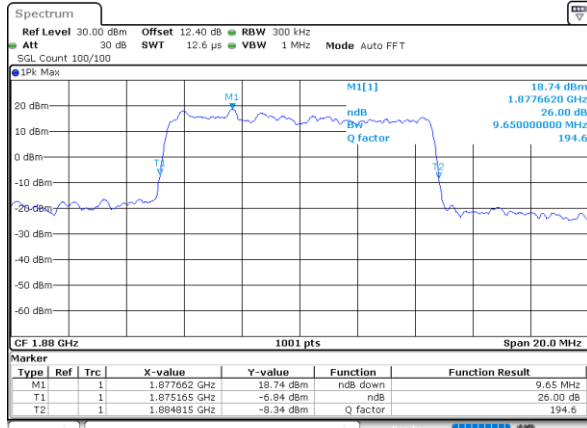


Date: 28.APR.2021 09:40:02



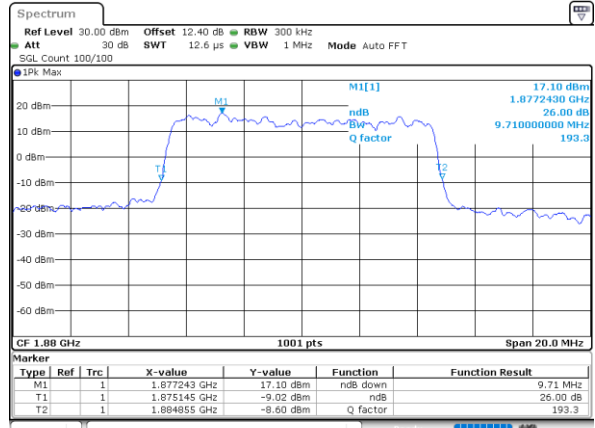
LTE Band 25

Middle Channel / 10MHz / QPSK



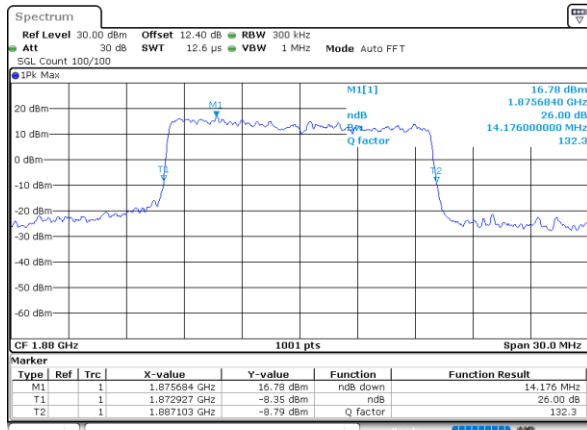
Date: 28.APR.2021 09:55:41

Middle Channel / 10MHz / 16QAM



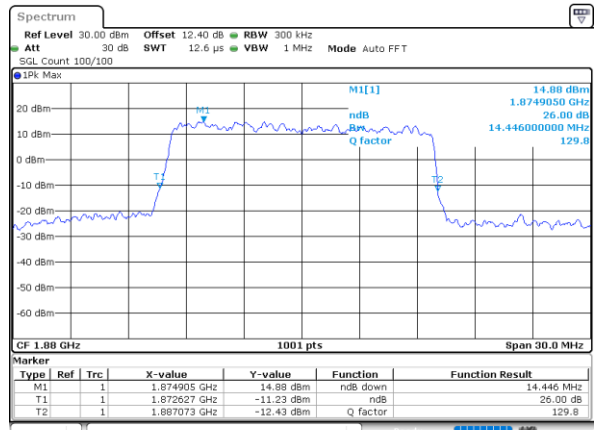
Date: 28.APR.2021 09:56:02

Middle Channel / 15MHz / QPSK



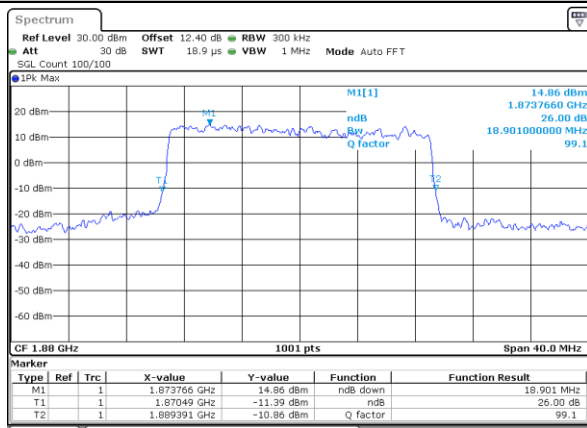
Date: 28.APR.2021 10:44:04

Middle Channel / 15MHz / 16QAM



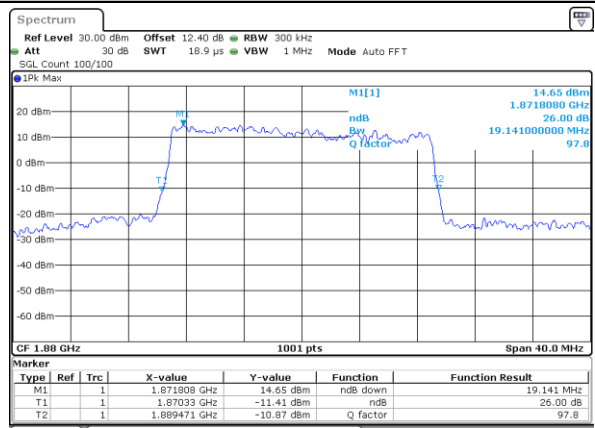
Date: 28.APR.2021 10:44:25

Middle Channel / 20MHz / QPSK



Date: 28.APR.2021 10:54:06

Middle Channel / 20MHz / 16QAM

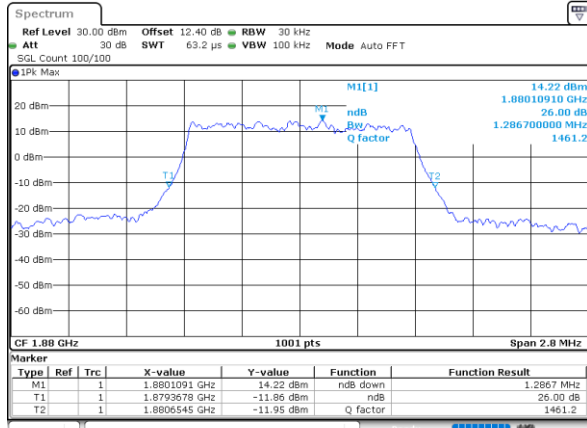


Date: 28.APR.2021 10:54:27



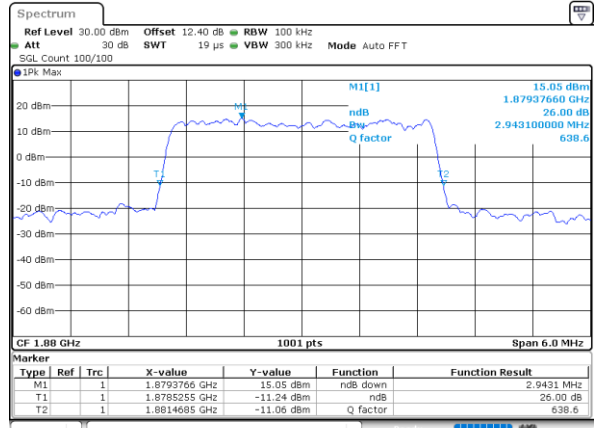
LTE Band 25

Middle Channel / 1.4MHz / 64QAM



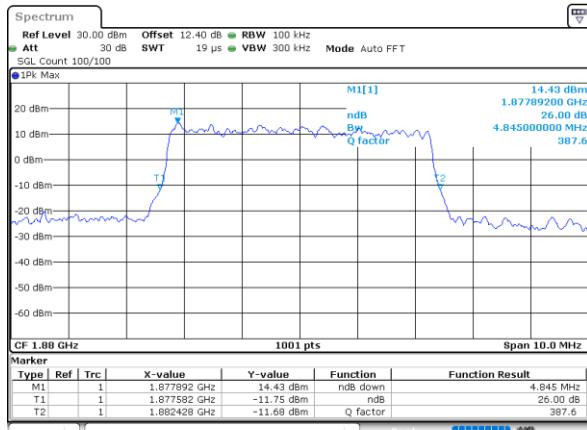
Date: 28.APR.2021 09:16:09

Middle Channel / 3MHz / 64QAM



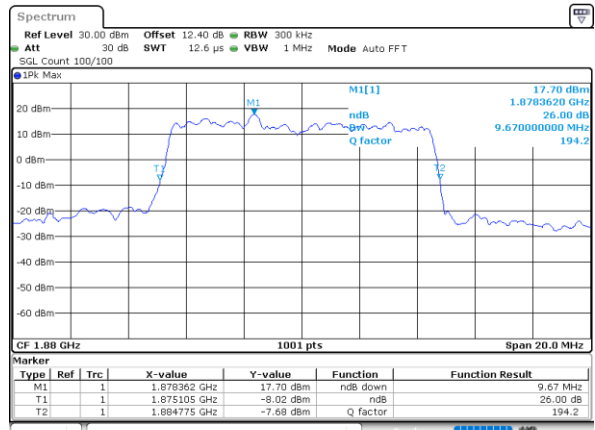
Date: 28.APR.2021 09:20:19

Middle Channel / 5MHz / 64QAM



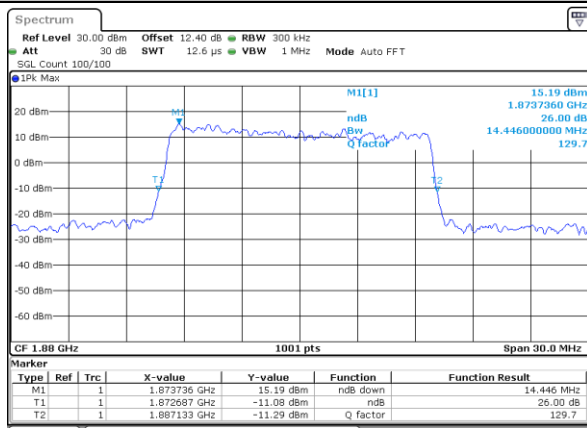
Date: 28.APR.2021 09:48:15

Middle Channel / 10MHz / 64QAM



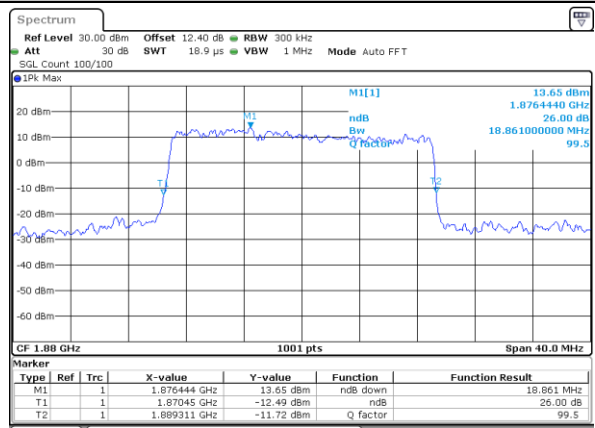
Date: 28.APR.2021 10:34:16

Middle Channel / 15MHz / 64QAM



Date: 28.APR.2021 10:37:49

Middle Channel / 20MHz / 64QAM

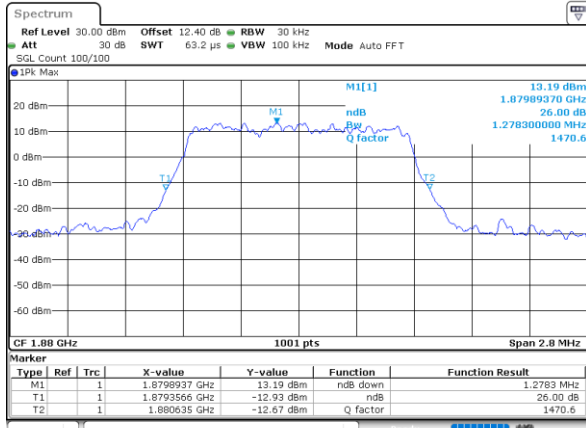


Date: 28.APR.2021 11:01:21

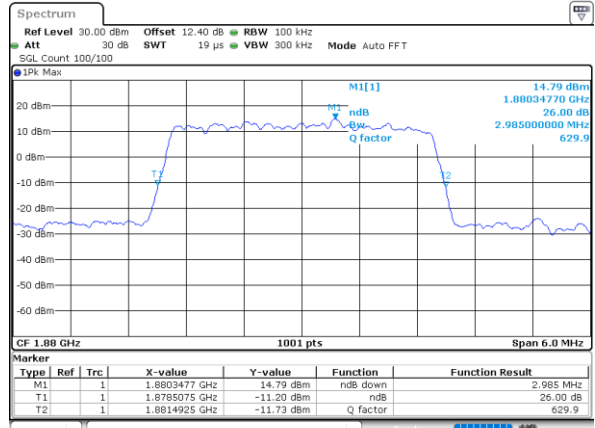


LTE Band 25

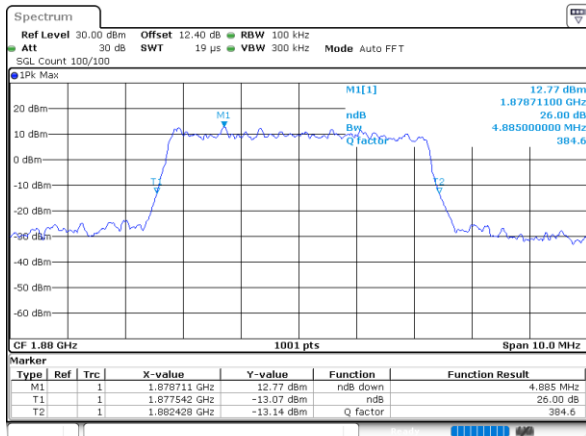
Middle Channel / 1.4MHz / 256QAM



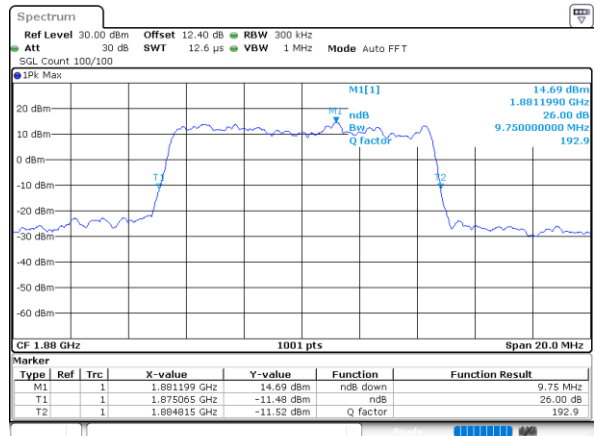
Middle Channel / 3MHz / 256QAM



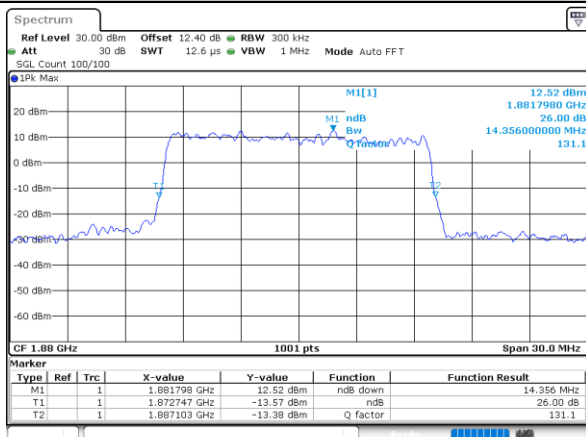
Middle Channel / 5MHz / 256QAM



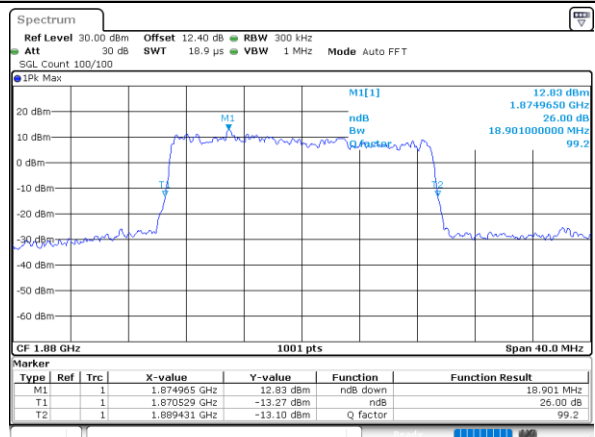
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM



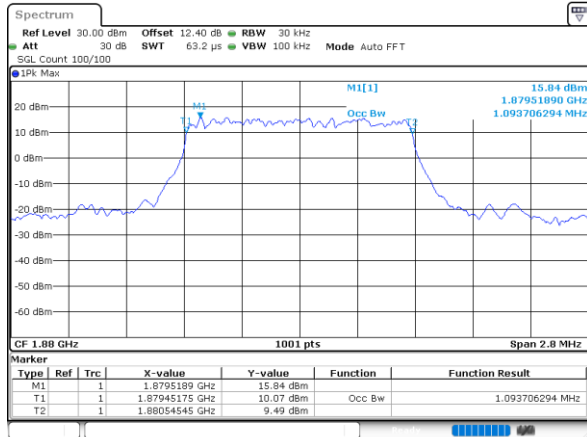
**Occupied Bandwidth**

Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.72	2.71	4.51	4.48	9.07	9.01	13.46	13.40	17.90	17.86
Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.09	1.09	2.70	2.72	4.51	4.46	9.01	8.95	13.37	13.43	17.86	17.86

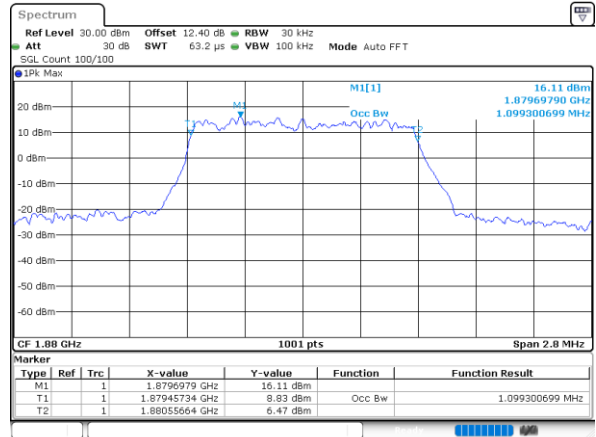


LTE Band 25

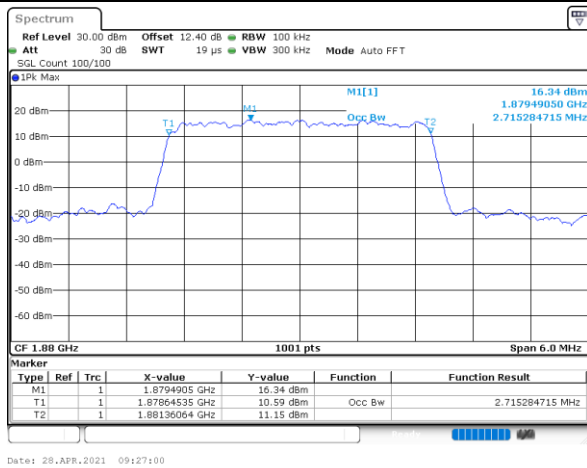
Middle Channel / 1.4MHz / QPSK



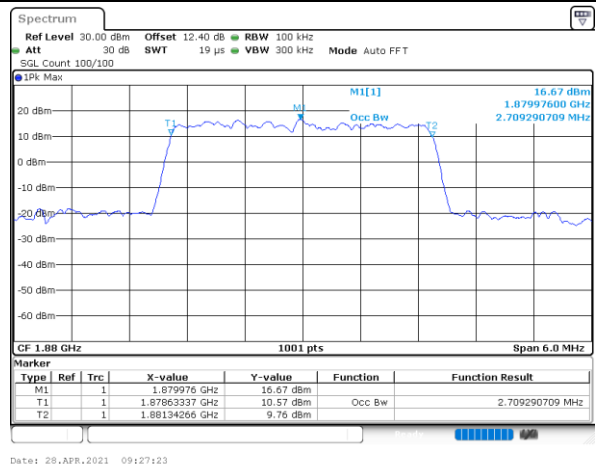
Middle Channel / 1.4MHz / 16QAM



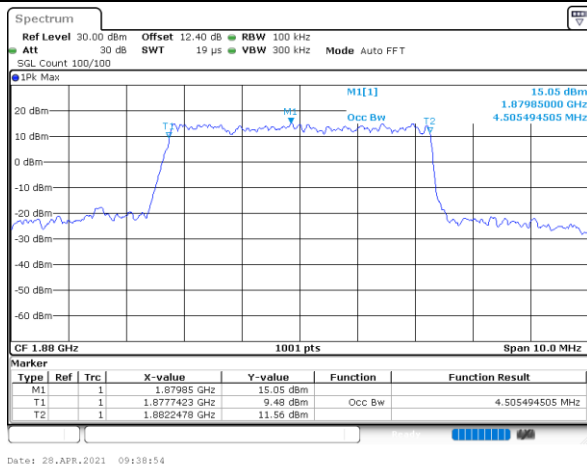
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM

