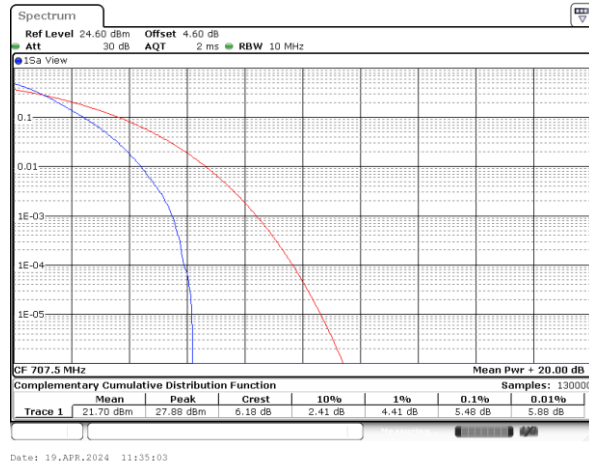


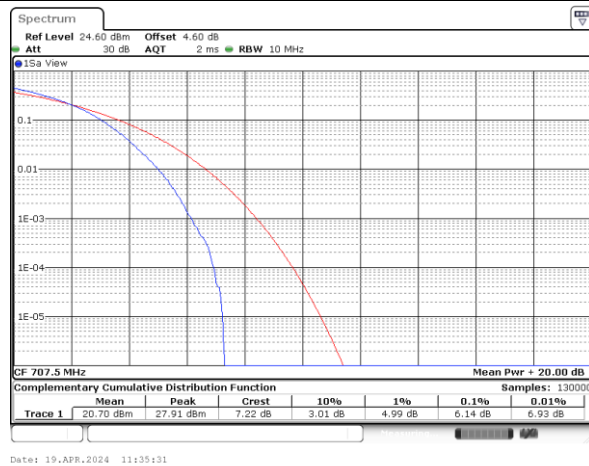


LTE Band 12 / 10MHz

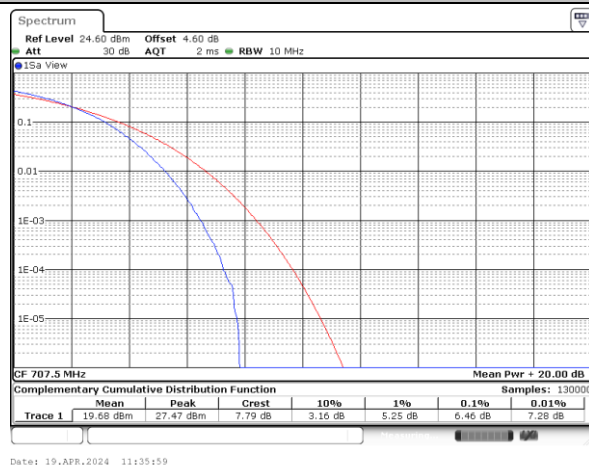
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM

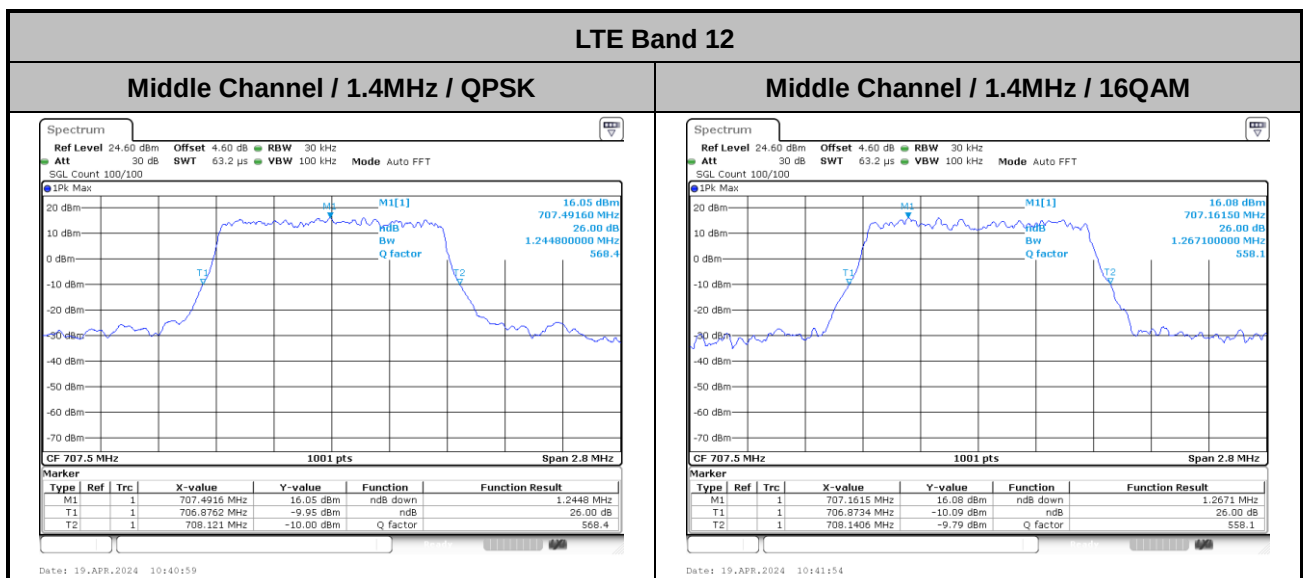


Middle Channel / Full RB/ 64QAM



**26dB Bandwidth**

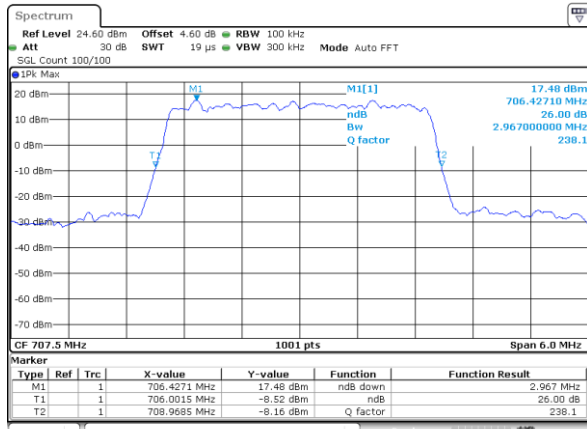
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.24	1.27
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.97	3.03
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.90	4.89
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.77	9.69





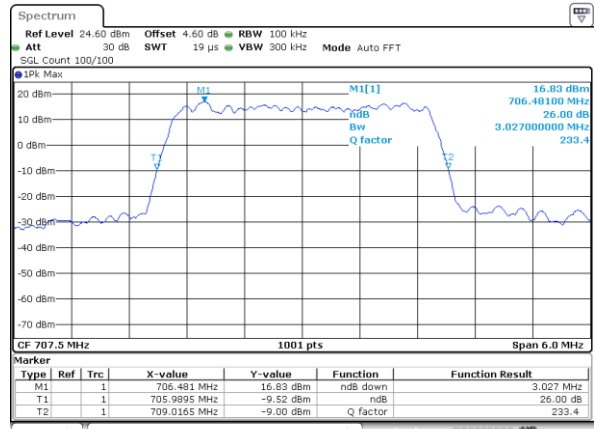
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 19.APR.2024 10:56:57

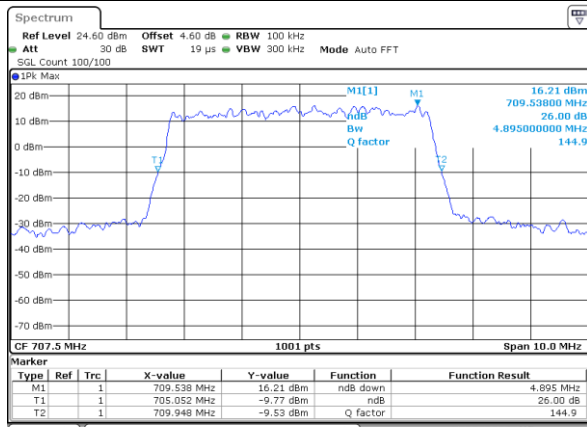
Middle Channel / 3MHz / 16QAM



Date: 19.APR.2024 10:57:53

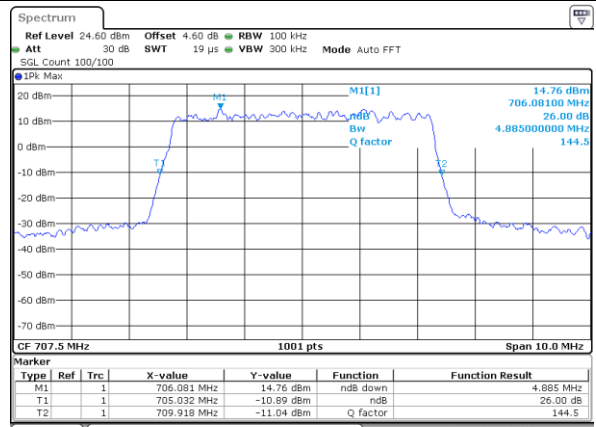
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 19.APR.2024 11:12:52

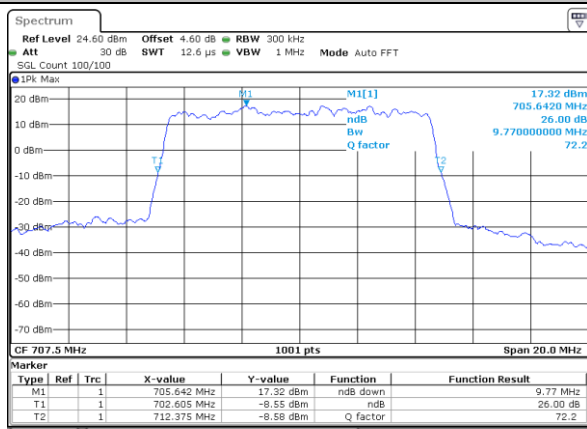
Middle Channel / 5MHz / 16QAM



Date: 19.APR.2024 11:13:47

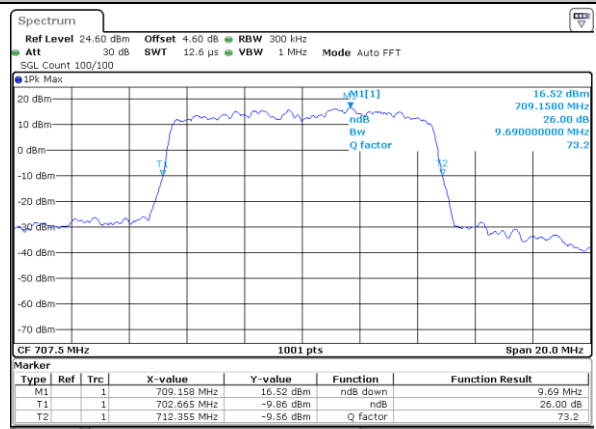
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 19.APR.2024 11:37:18

Middle Channel / 10MHz / 16QAM

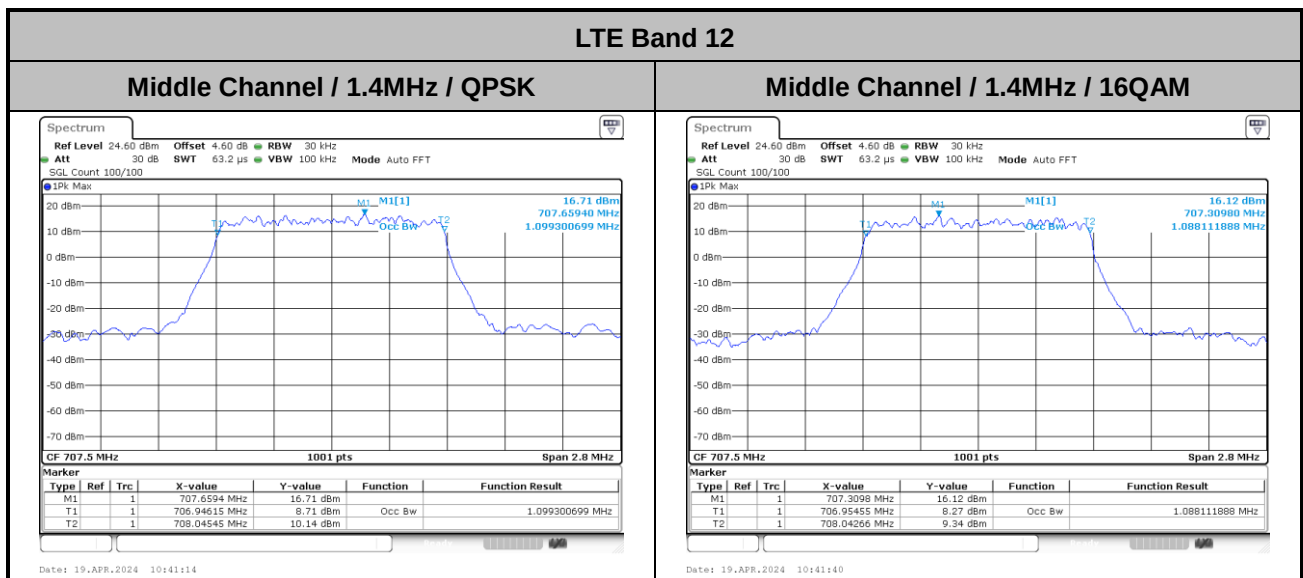


Date: 19.APR.2024 11:37:44



Occupied Bandwidth

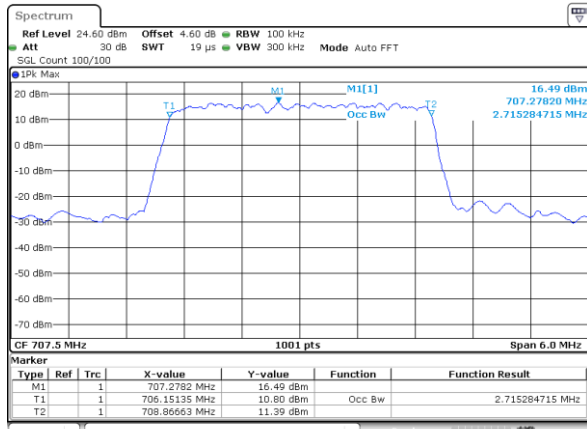
Mode	LTE Band 12 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.73
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.48	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	8.95





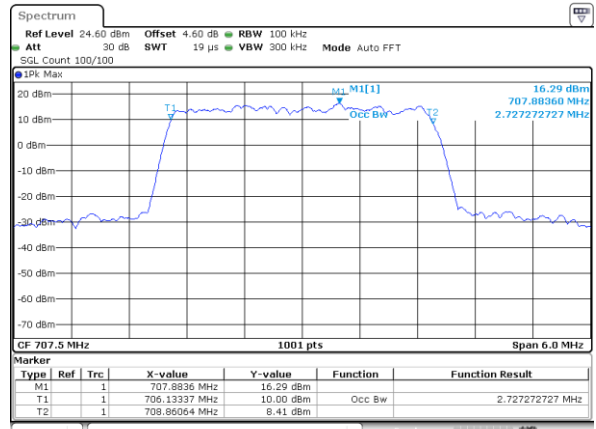
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 19.APR.2024 10:57:12

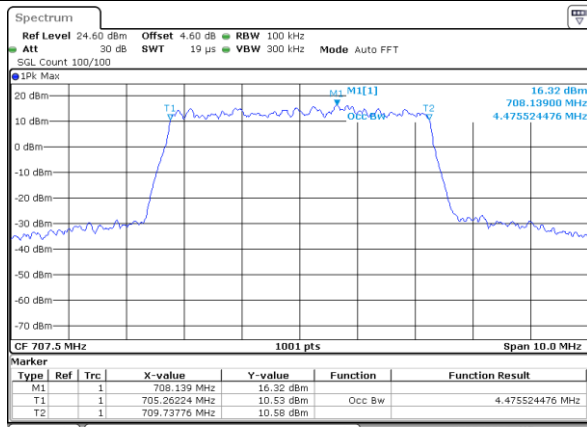
Middle Channel / 3MHz / 16QAM



Date: 19.APR.2024 10:57:13B

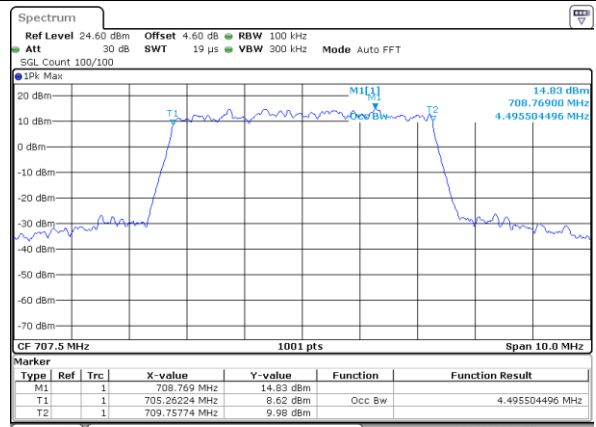
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 19.APR.2024 11:13:06

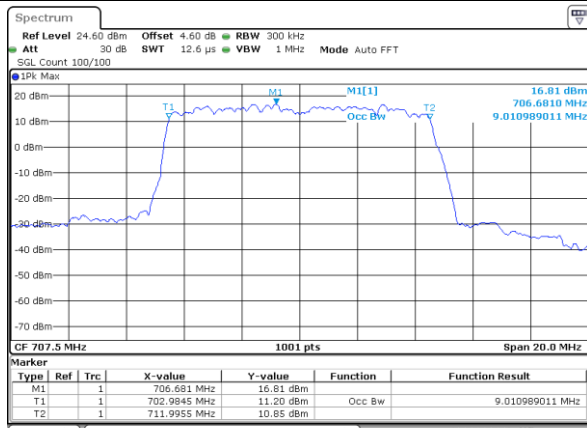
Middle Channel / 5MHz / 16QAM



Date: 19.APR.2024 11:13:133

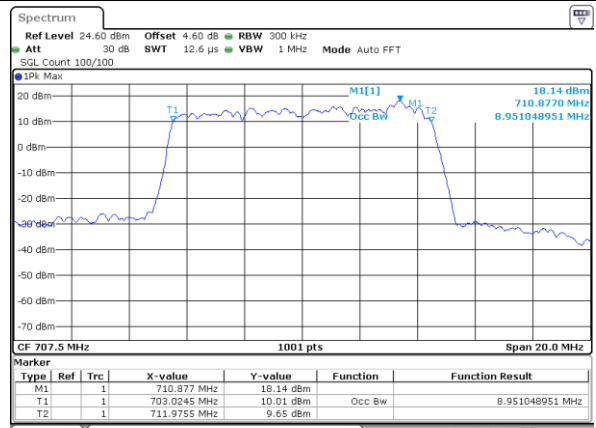
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 19.APR.2024 11:16:25

Middle Channel / 10MHz / 16QAM



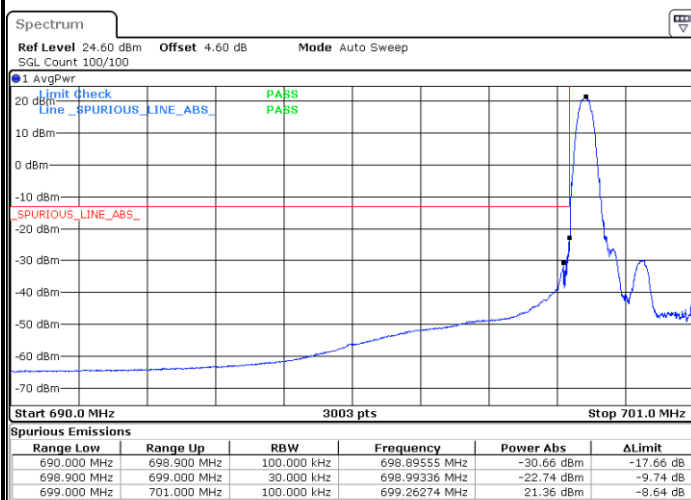
Date: 19.APR.2024 11:16:152



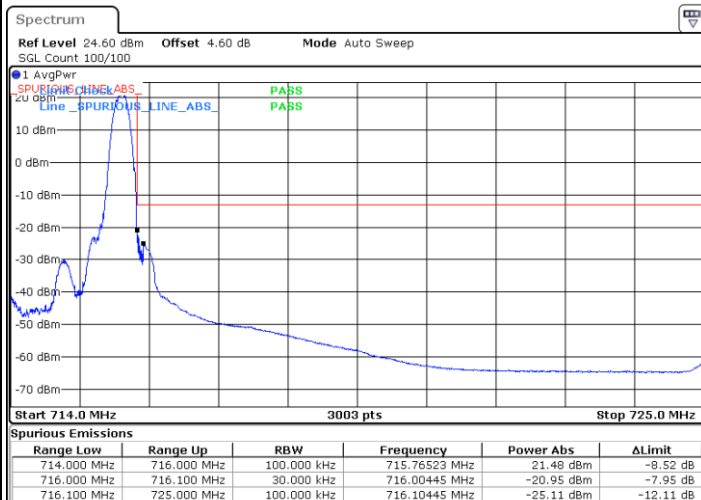
Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

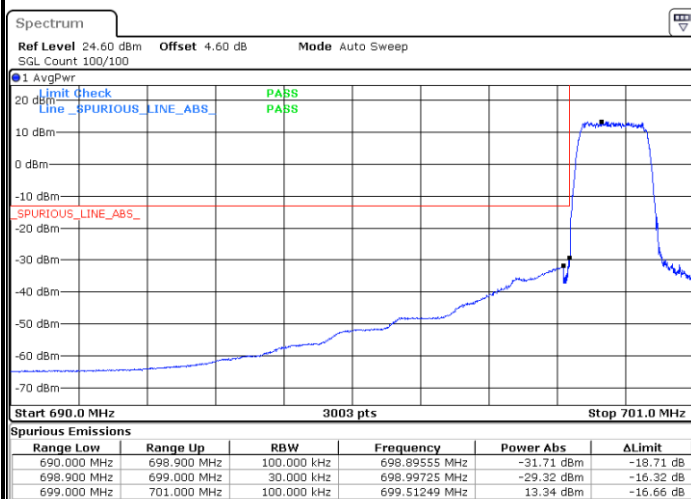
Lowest Band Edge / 1RB



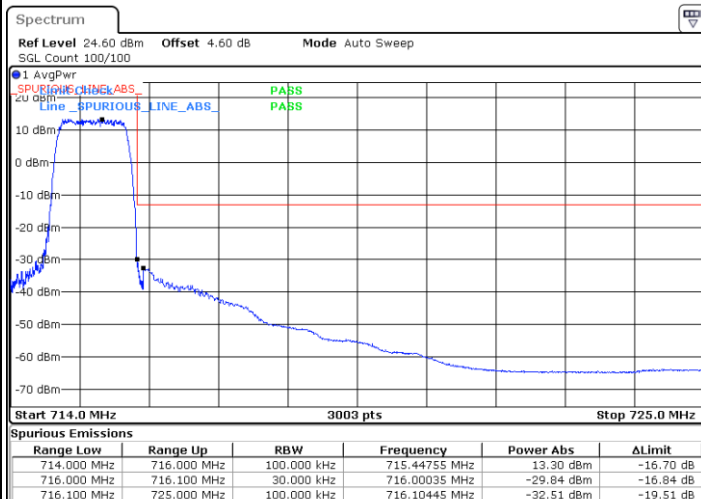
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



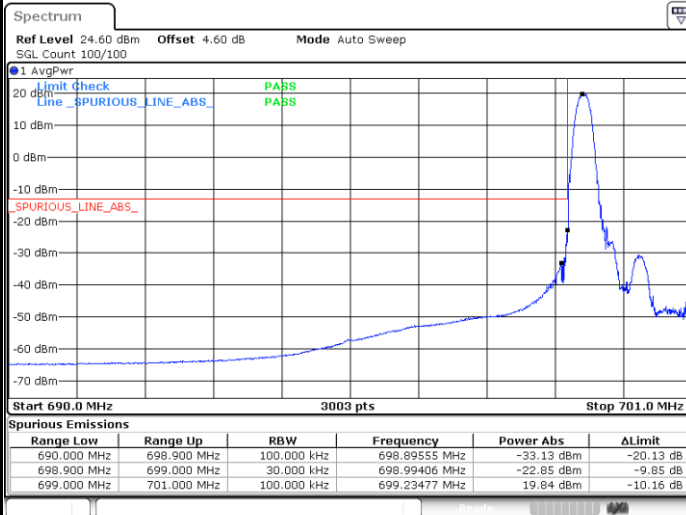
Highest Band Edge / Full RB



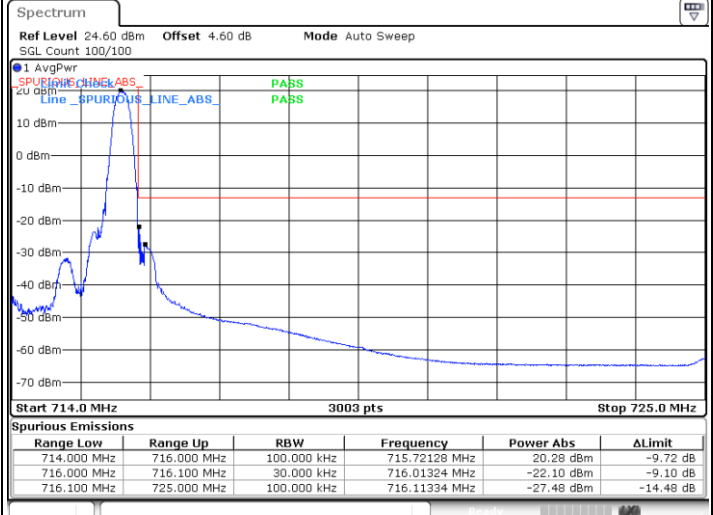


LTE Band 12 / 1.4MHz / 16QAM

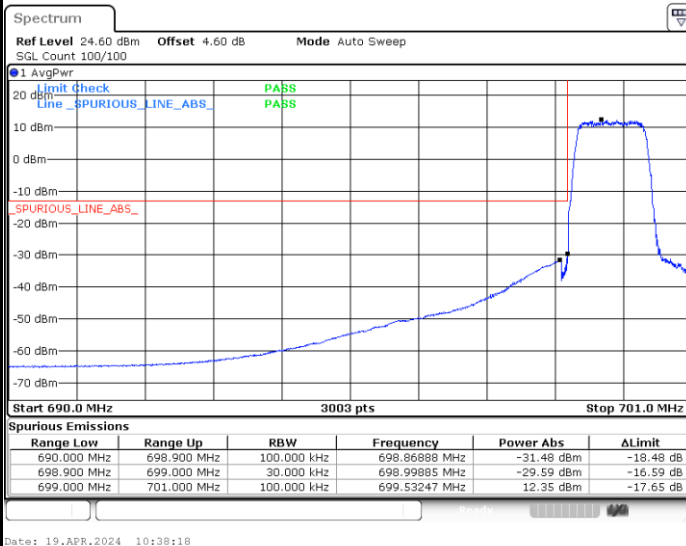
Lowest Band Edge / 1 RB



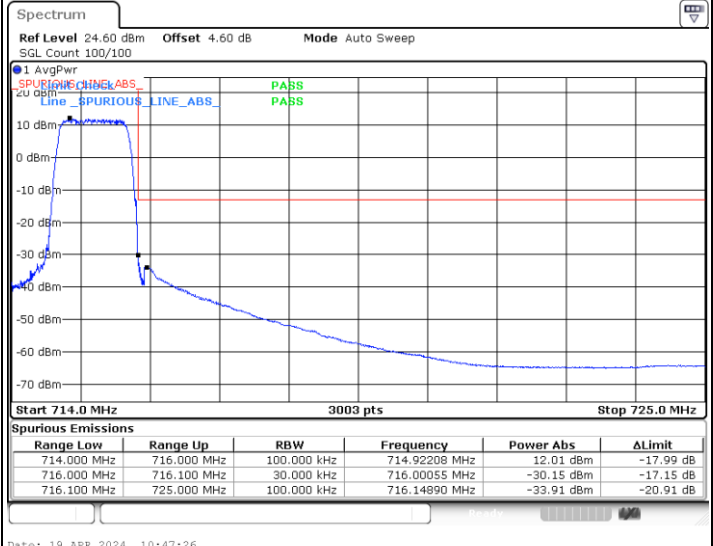
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



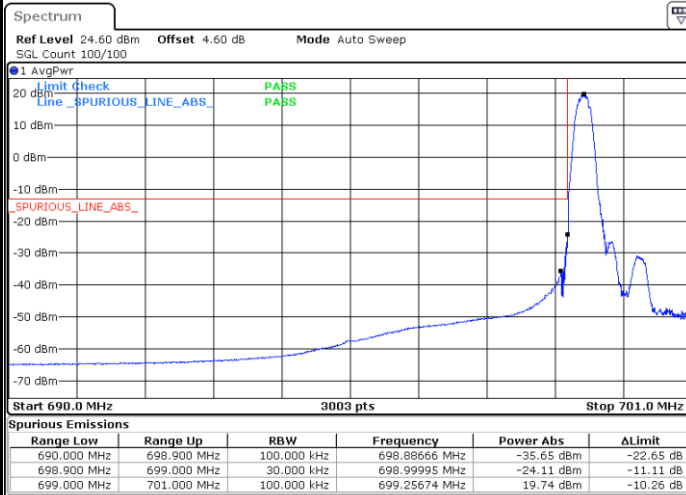
Highest Band Edge / Full RB



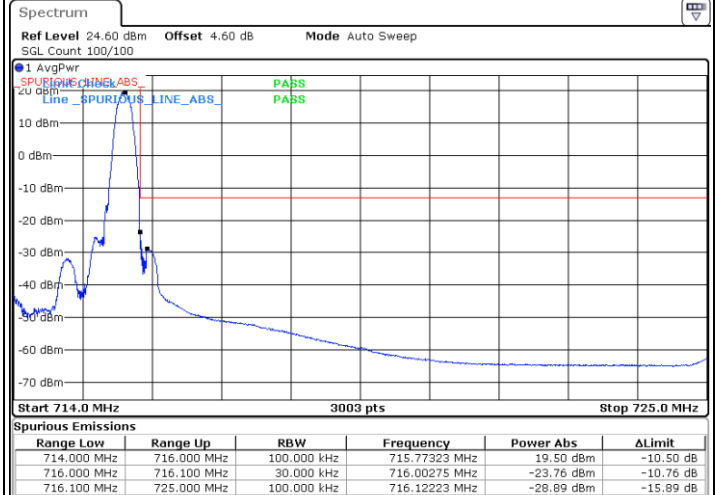


LTE Band 12 / 1.4MHz / 64QAM

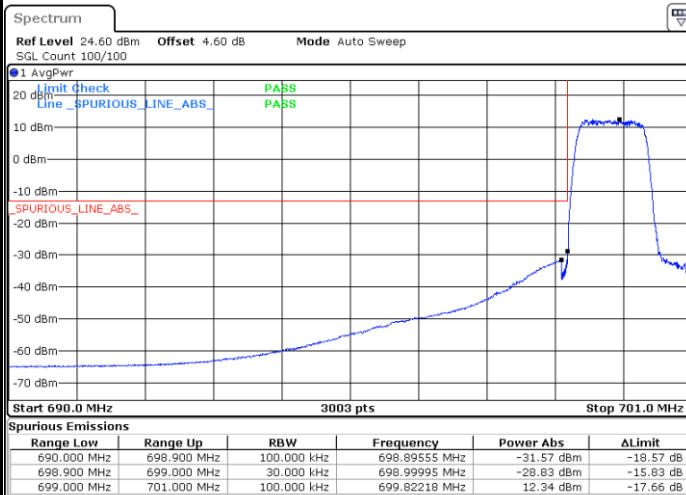
Lowest Band Edge / 1 RB



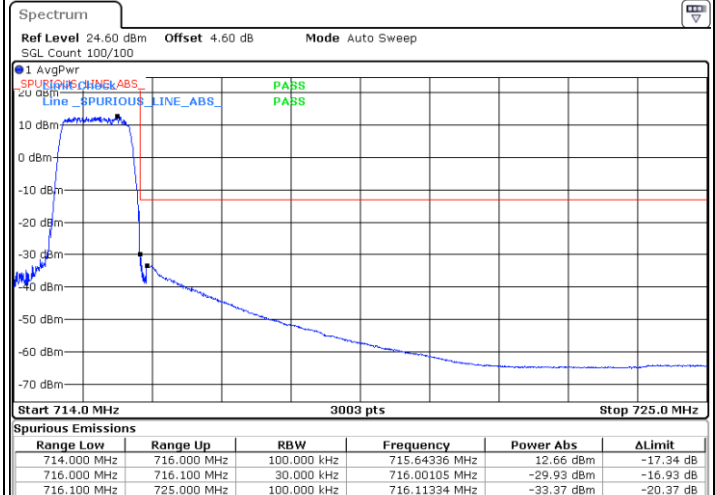
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



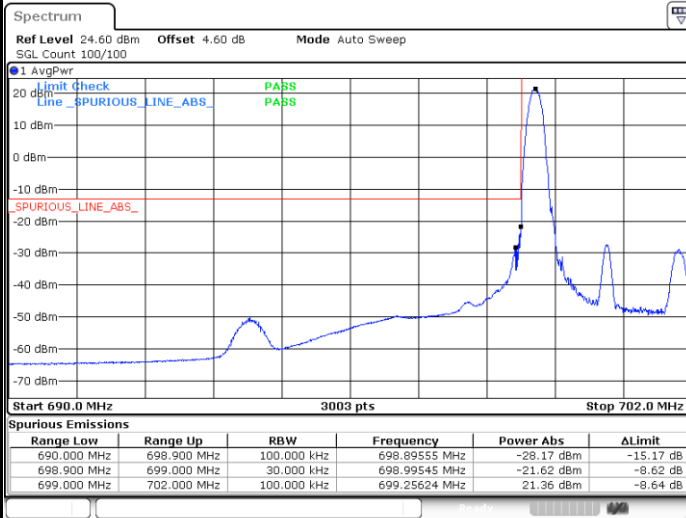
Highest Band Edge / Full RB



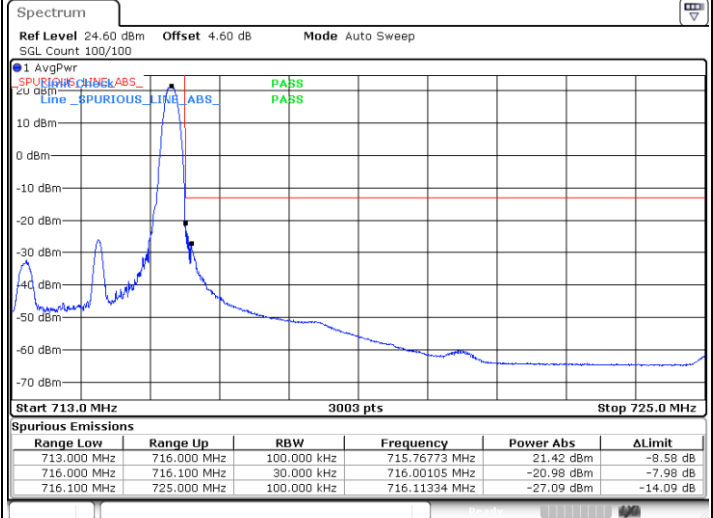


LTE Band 12 / 3MHz / QPSK

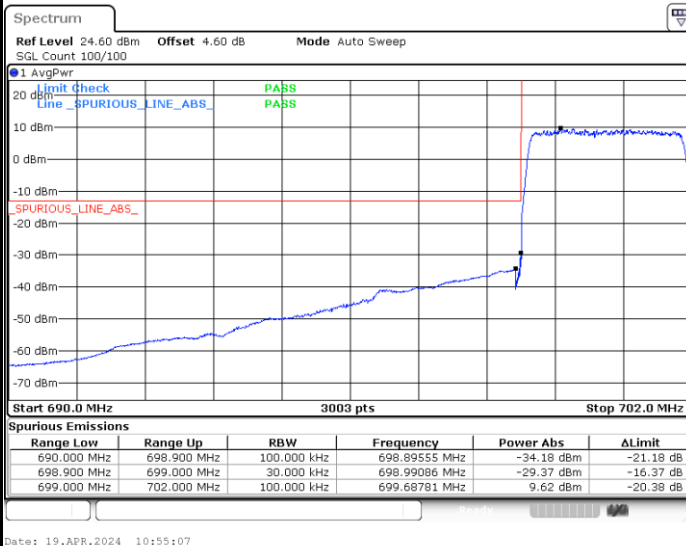
Lowest Band Edge / 1RB



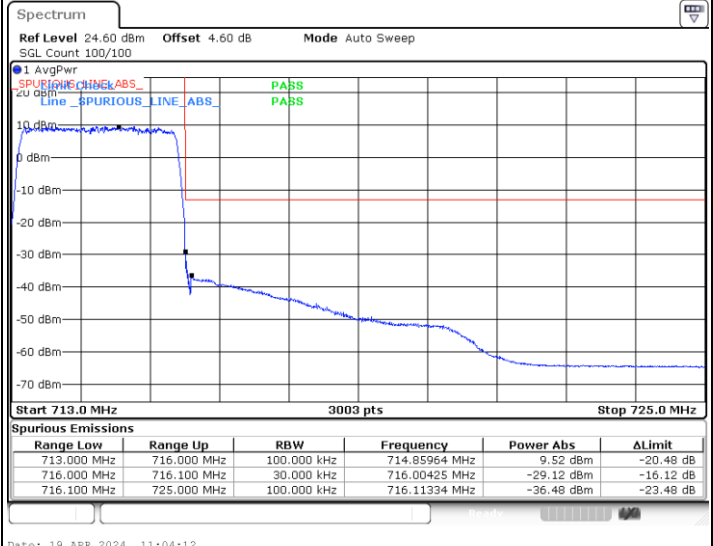
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



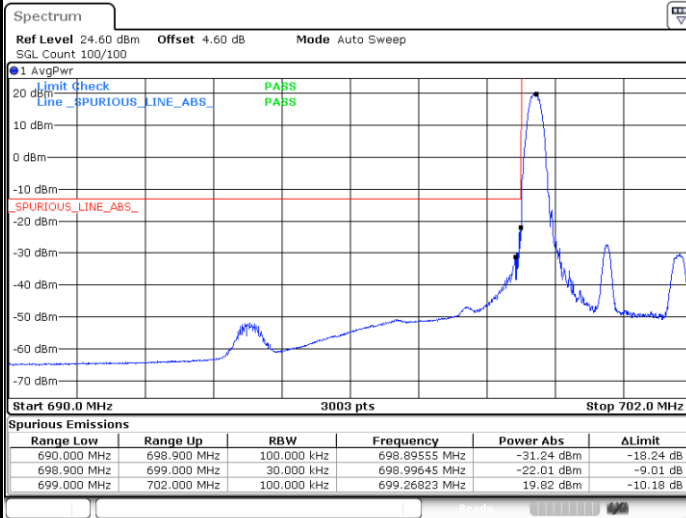
Highest Band Edge / Full RB



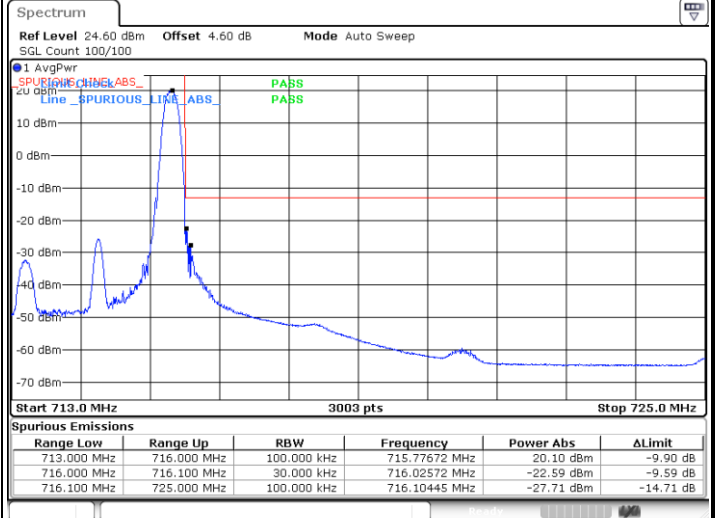


LTE Band 12 / 3MHz / 16QAM

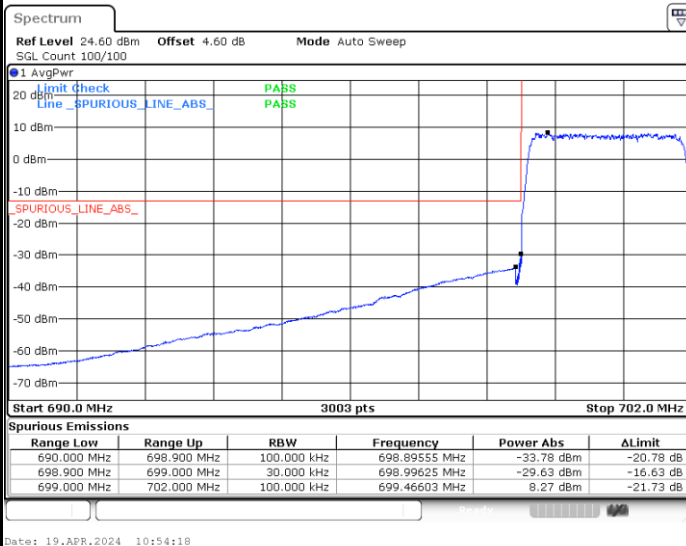
Lowest Band Edge / 1 RB



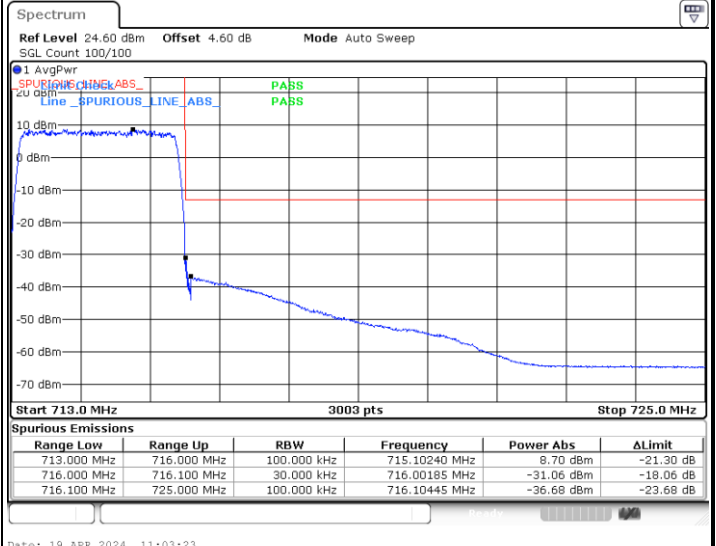
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



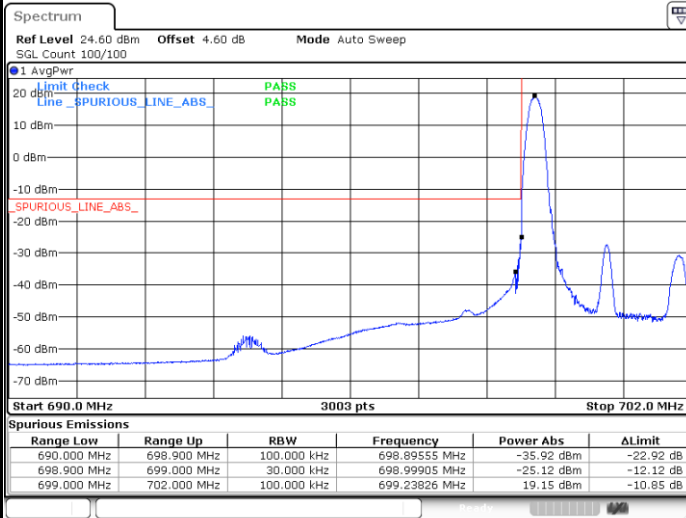
Highest Band Edge / Full RB



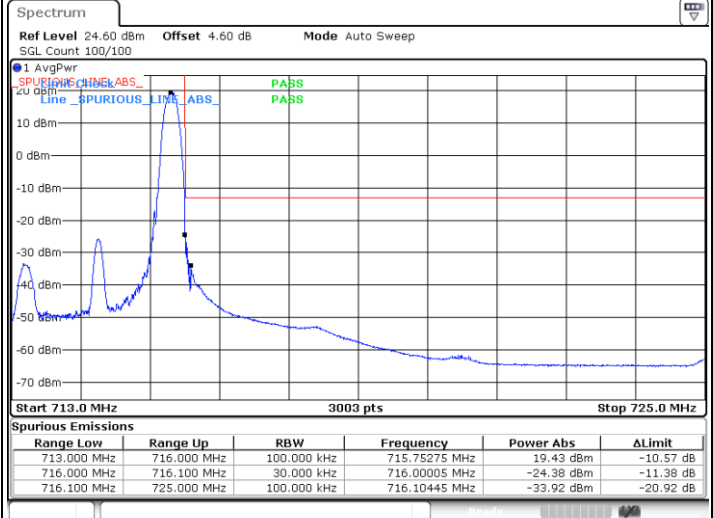


LTE Band 12 / 3MHz / 64QAM

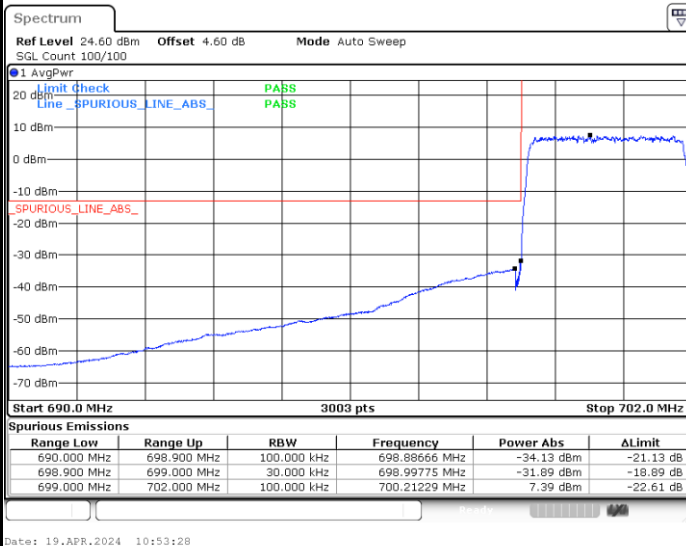
Lowest Band Edge / 1 RB



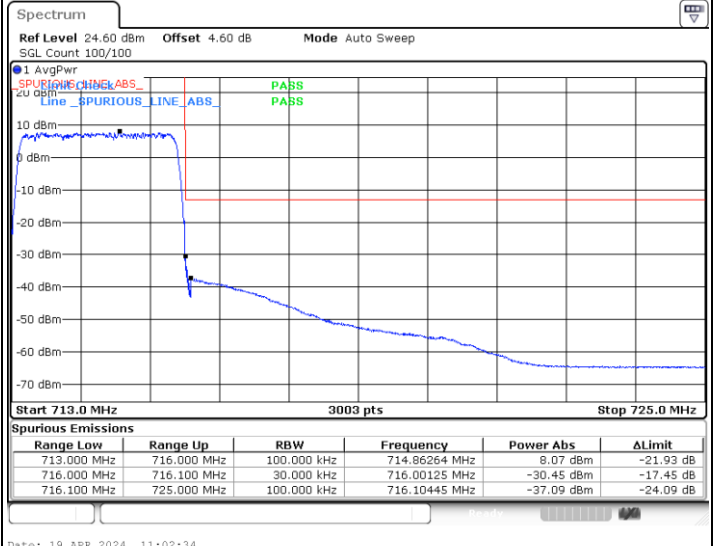
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



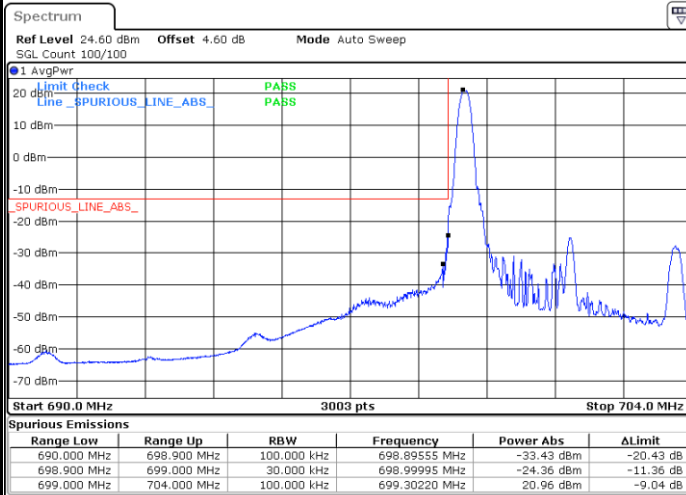
Highest Band Edge / Full RB



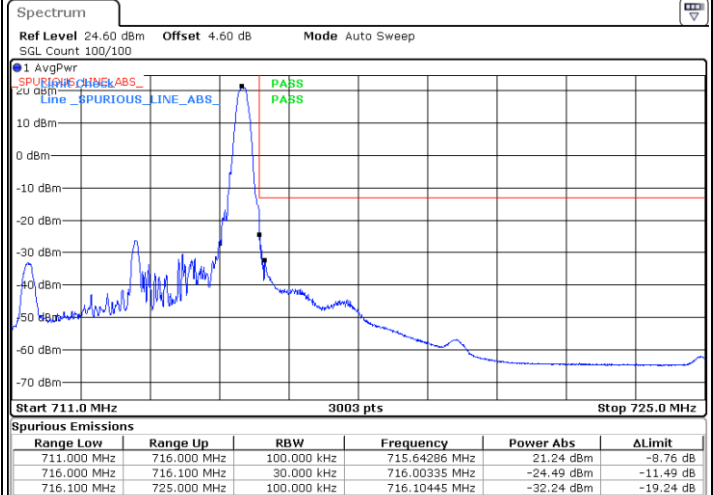


LTE Band 12 / 5MHz / QPSK

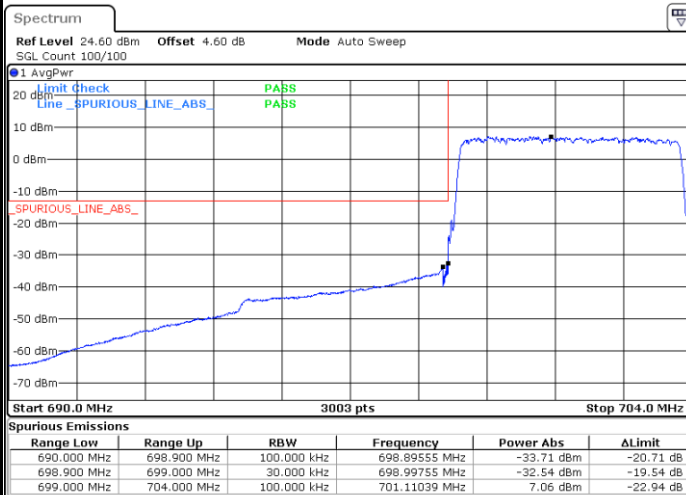
Lowest Band Edge / 1 RB



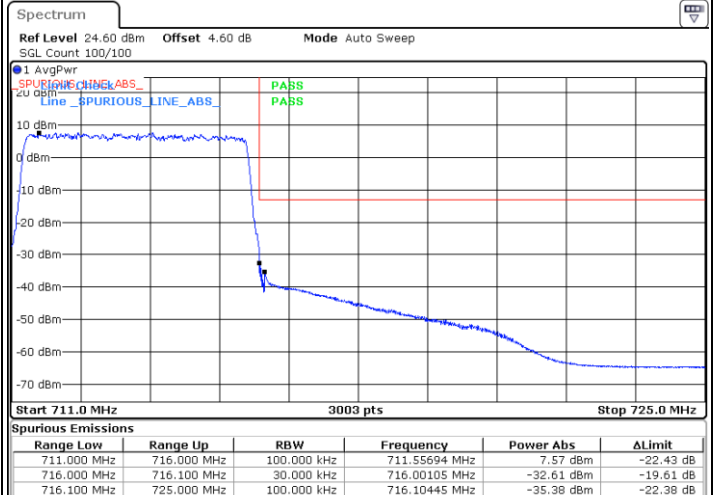
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



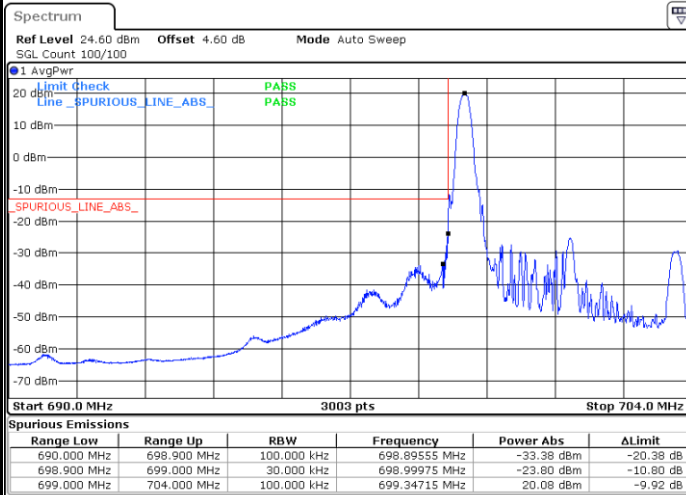
Highest Band Edge / Full RB



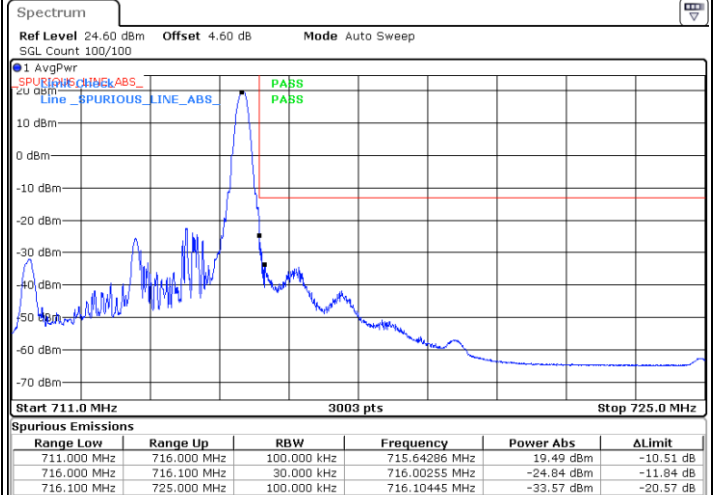


LTE Band 12 / 5MHz / 16QAM

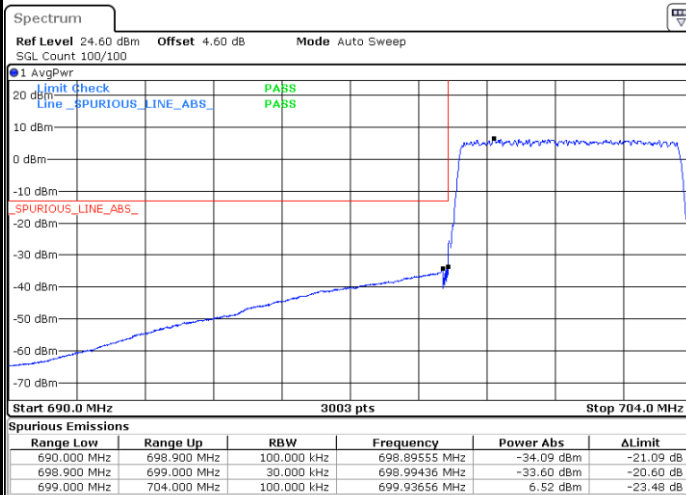
Lowest Band Edge / 1RB



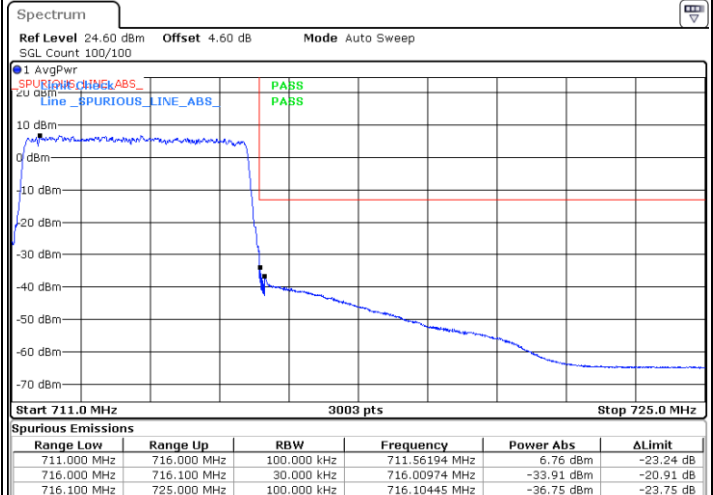
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



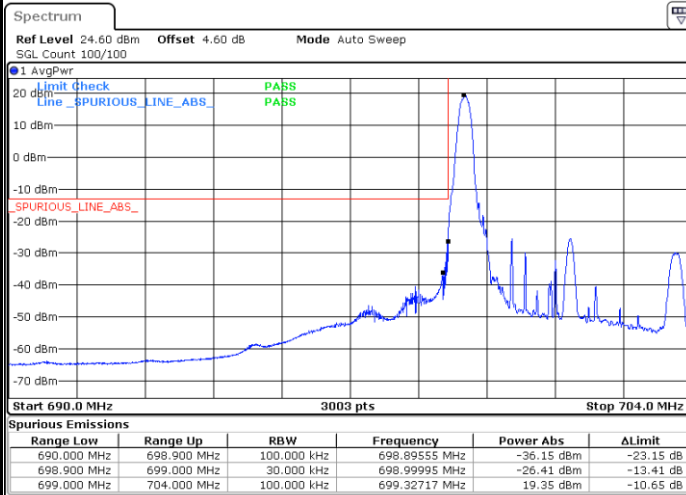
Highest Band Edge / Full RB



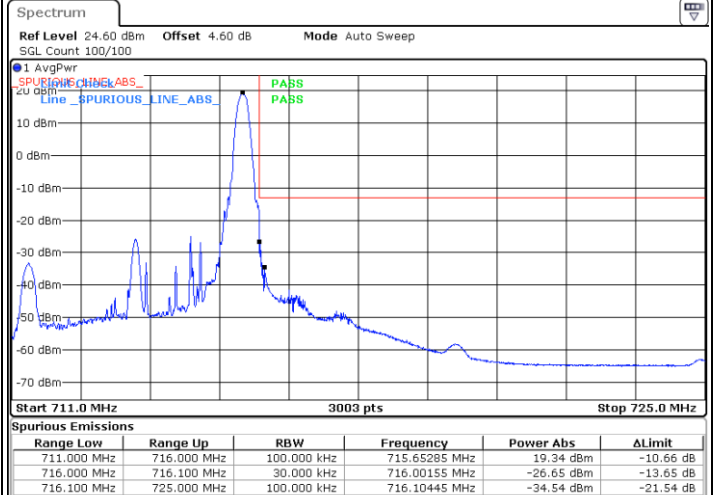


LTE Band 12 / 5MHz / 64QAM

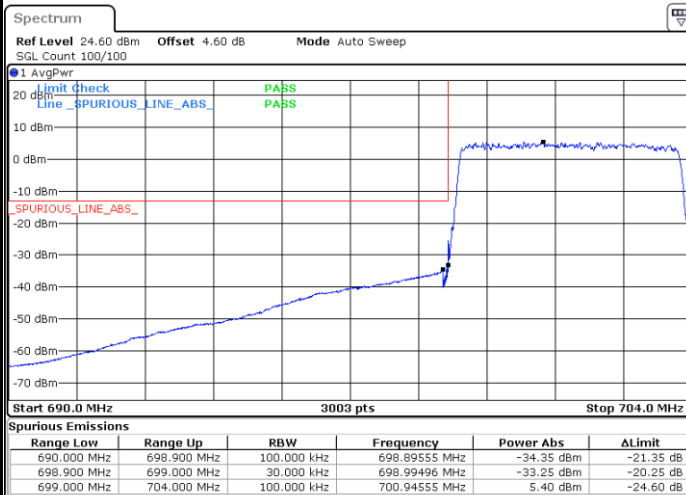
Lowest Band Edge / 1RB



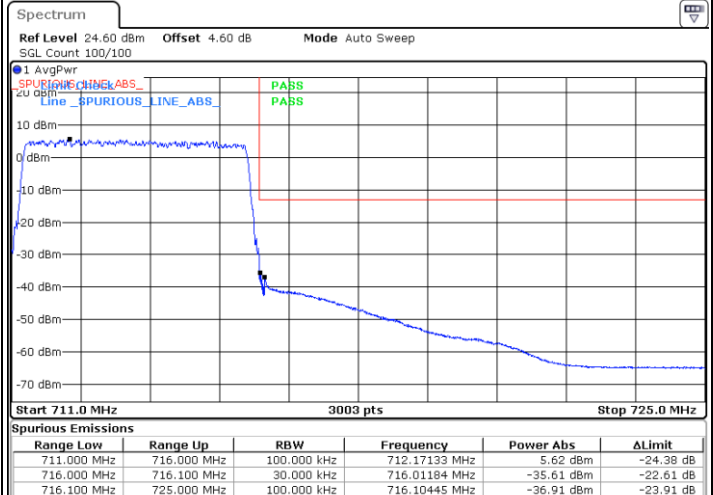
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



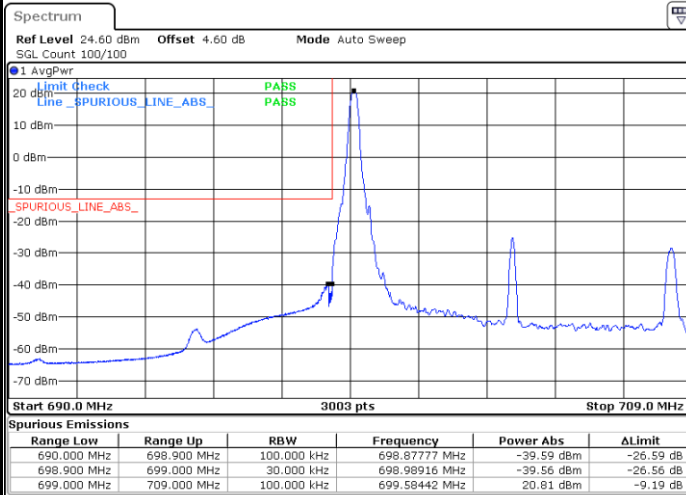
Highest Band Edge / Full RB



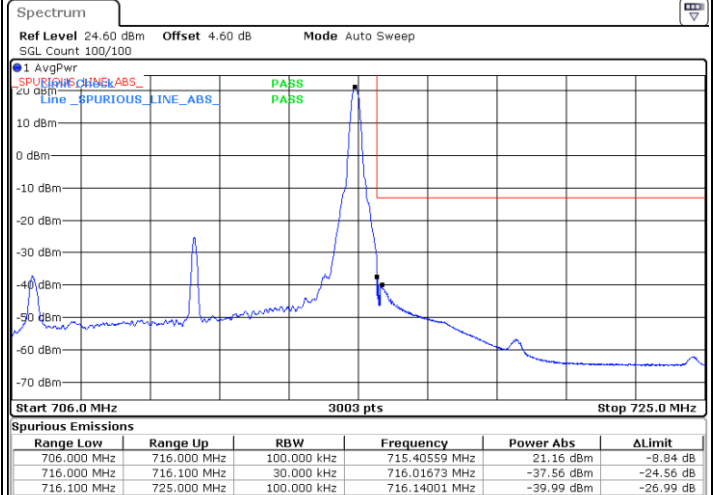


LTE Band 12 / 10MHz / QPSK

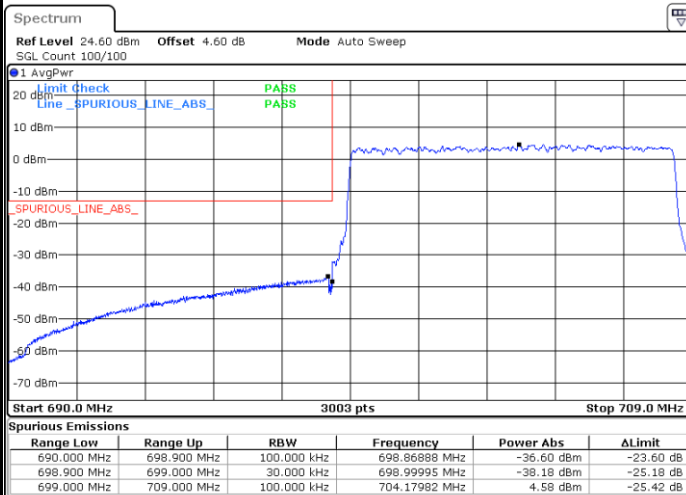
Lowest Band Edge / 1 RB



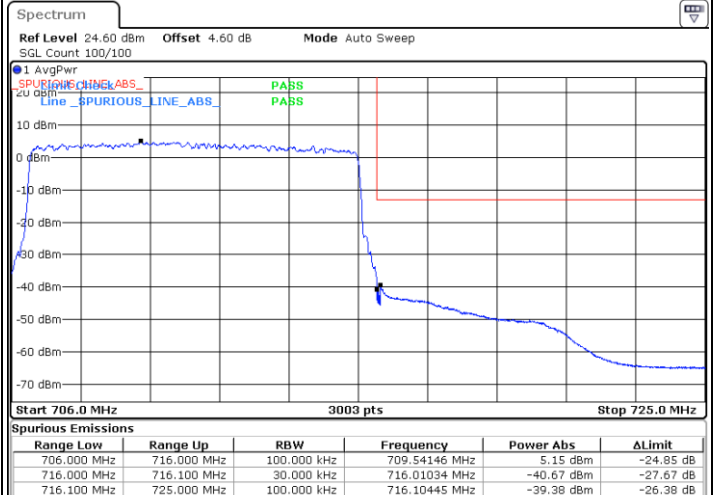
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



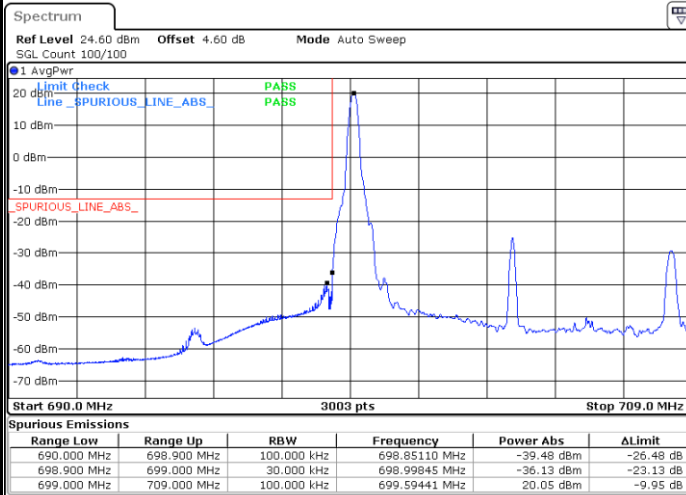
Highest Band Edge / Full RB



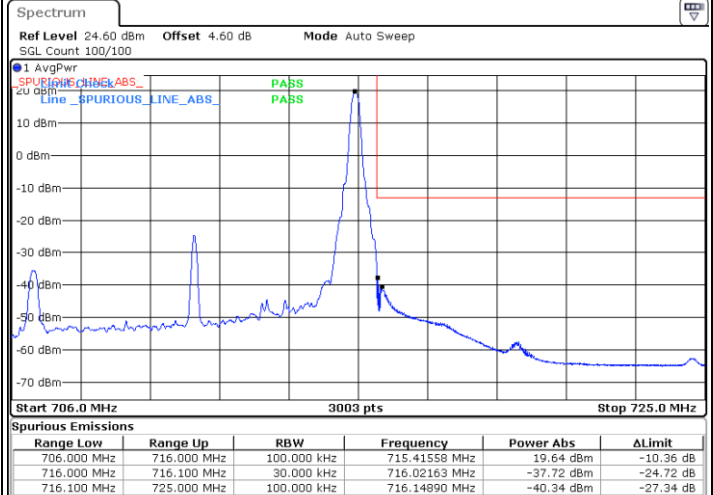


LTE Band 12 / 10MHz / 16QAM

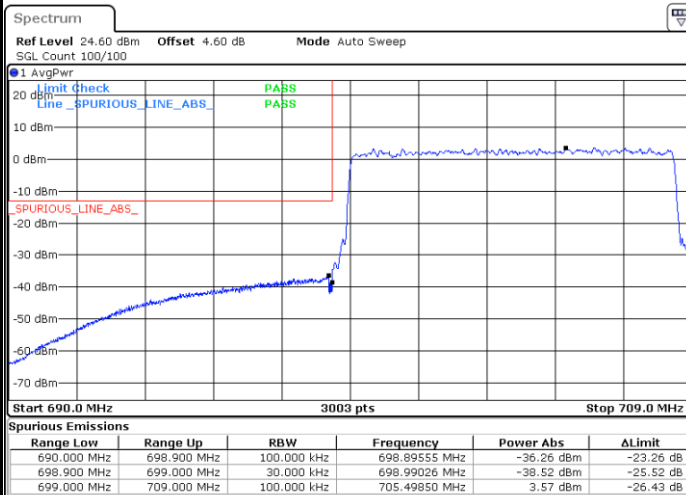
Lowest Band Edge / 1 RB



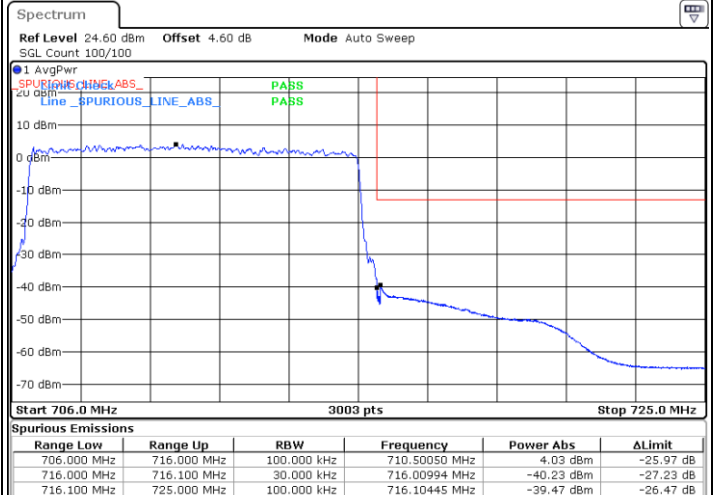
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



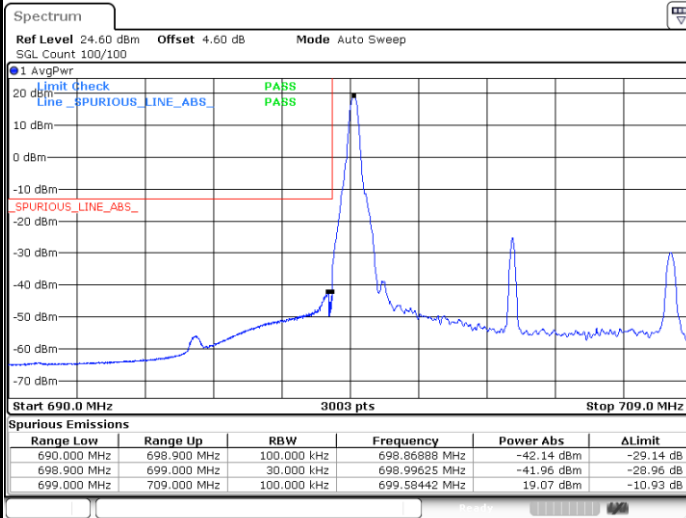
Highest Band Edge / Full RB



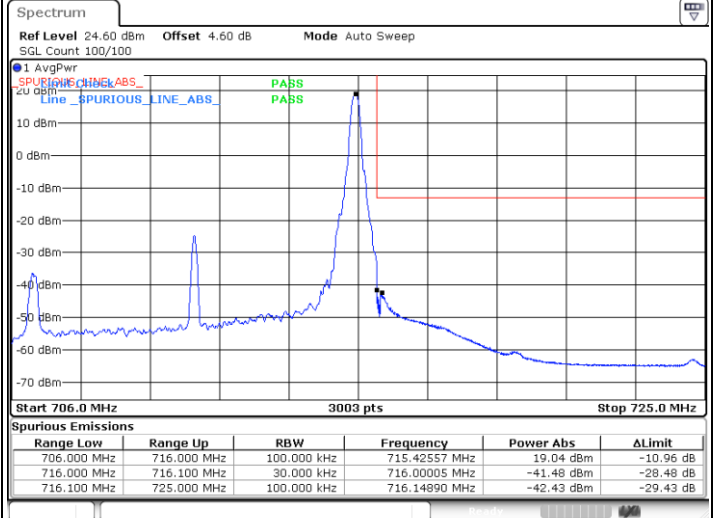


LTE Band 12 / 10MHz / 64QAM

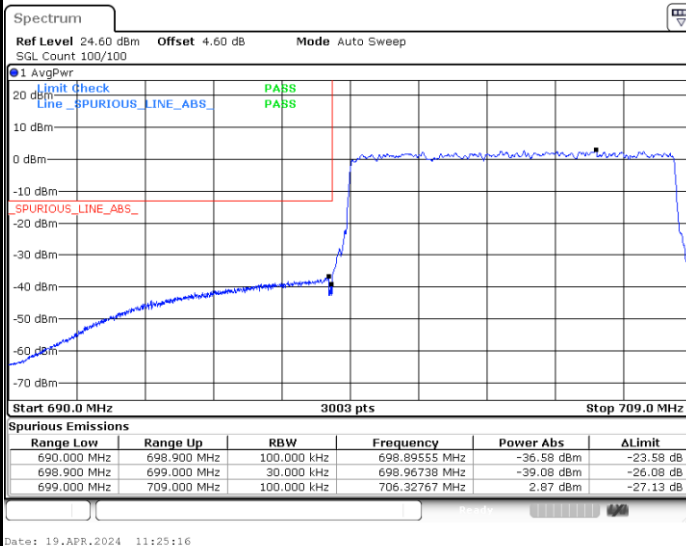
Lowest Band Edge / 1 RB



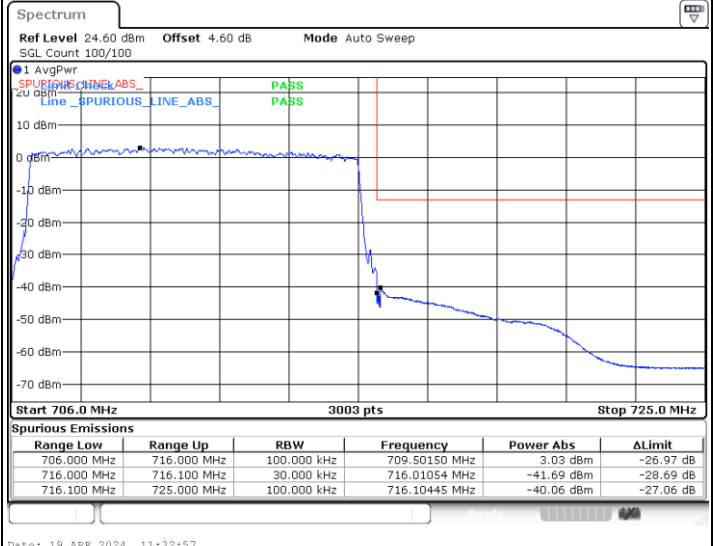
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

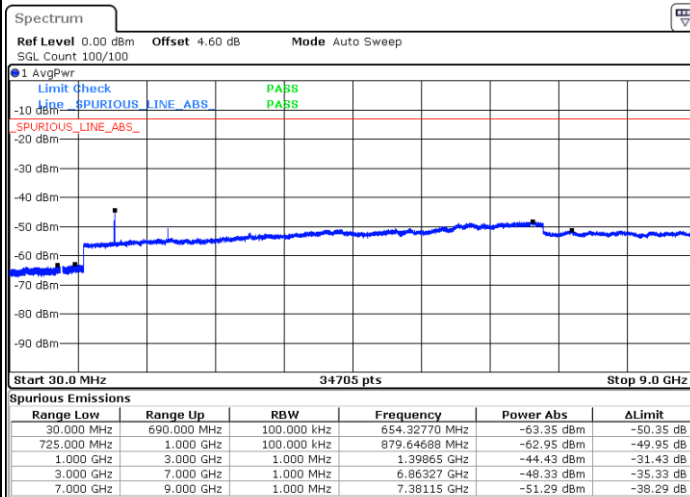




Conducted Spurious Emission

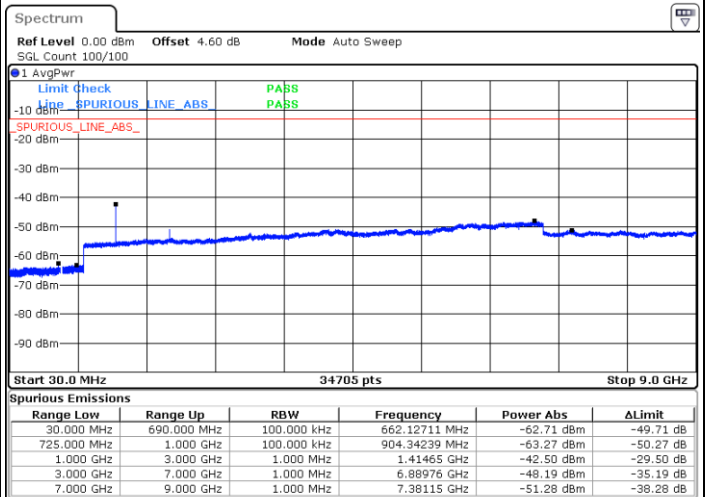
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



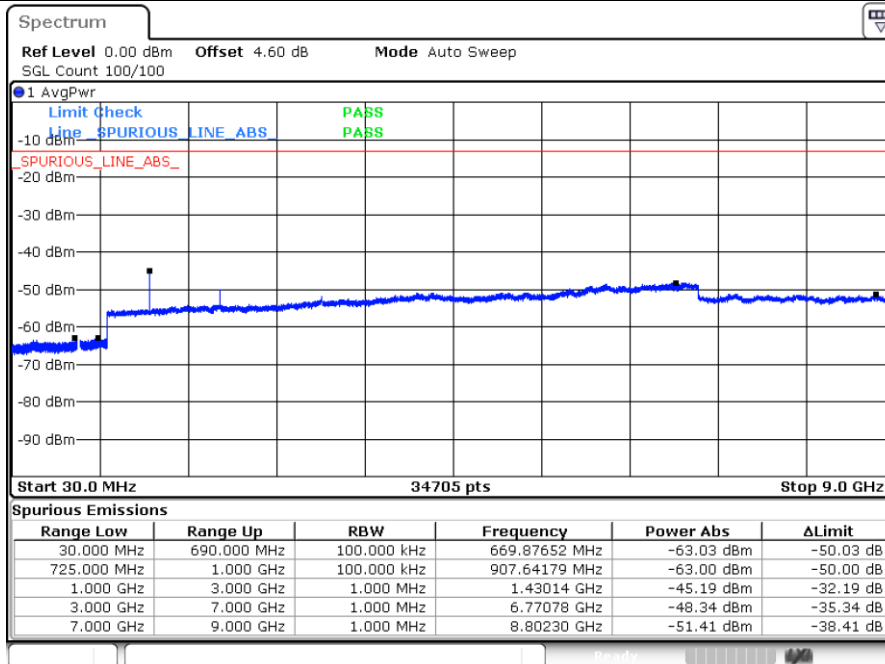
Date: 19.APR.2024 10:34:20

Middle Channel / QPSK



Date: 19.APR.2024 10:40:31

Highest Channel / QPSK



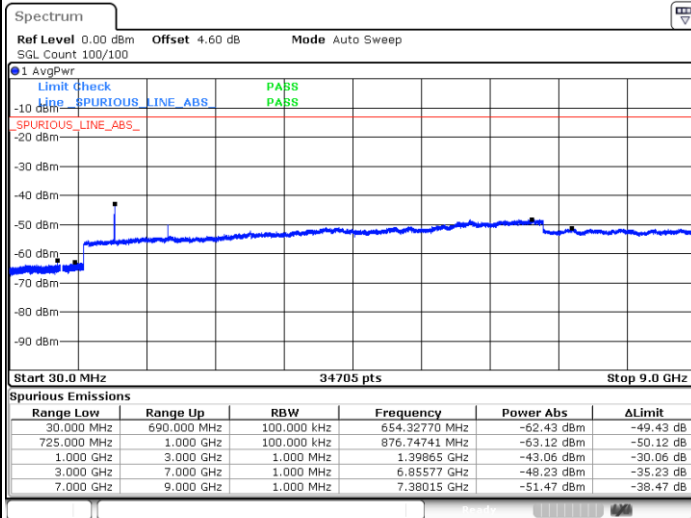
Date: 19.APR.2024 10:43:16



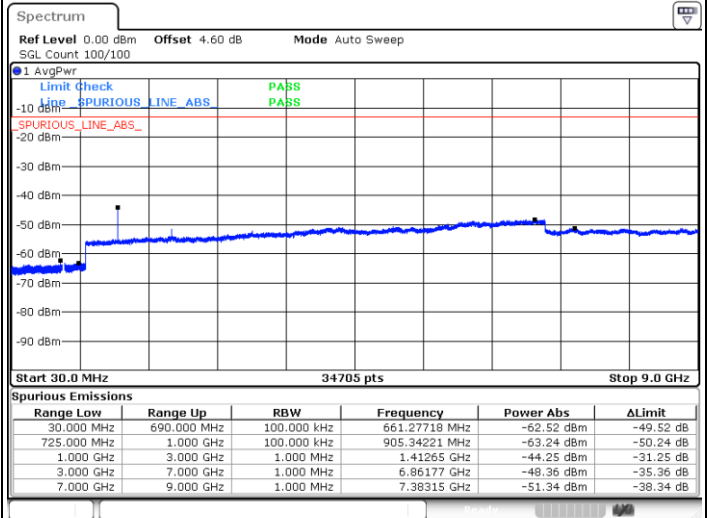
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

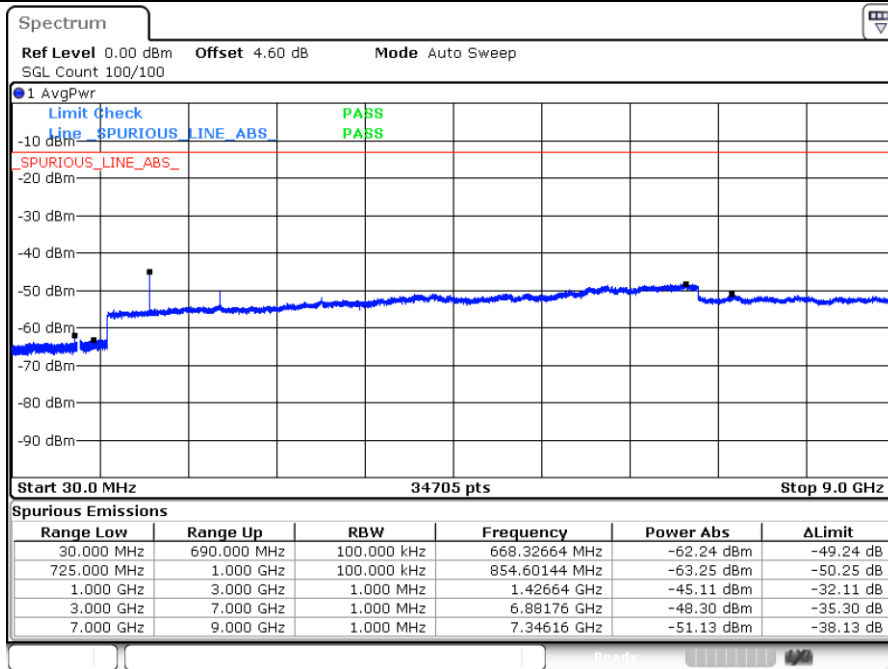


Date: 19.APR.2024 10:50:22



Date: 19.APR.2024 10:56:30

Highest Channel / QPSK



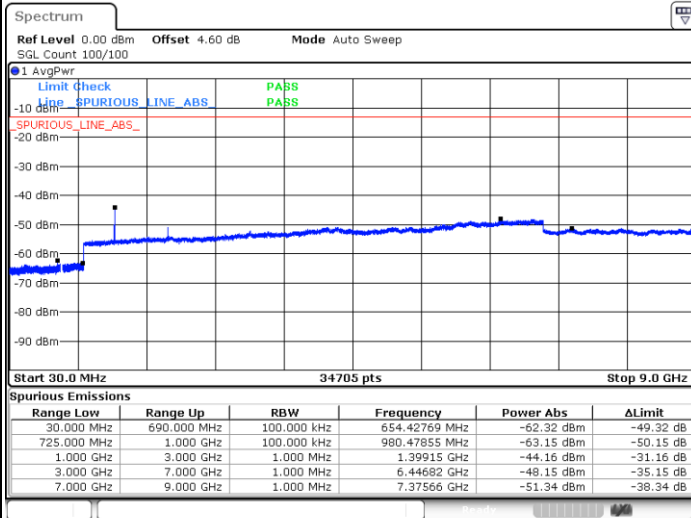
Date: 19.APR.2024 10:59:15



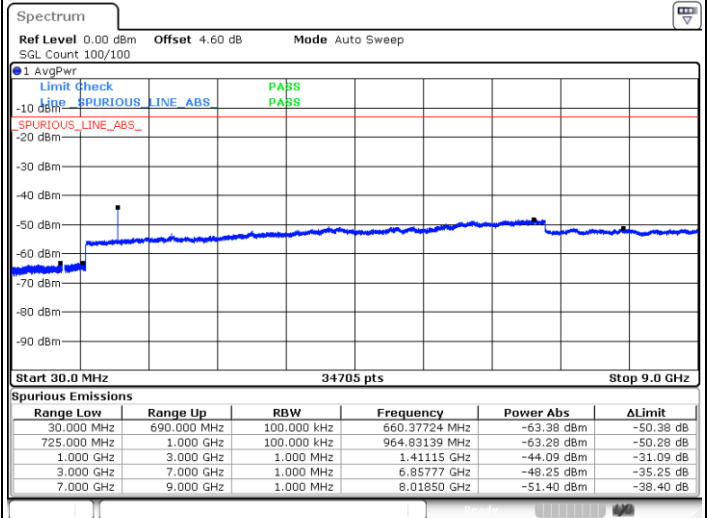
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

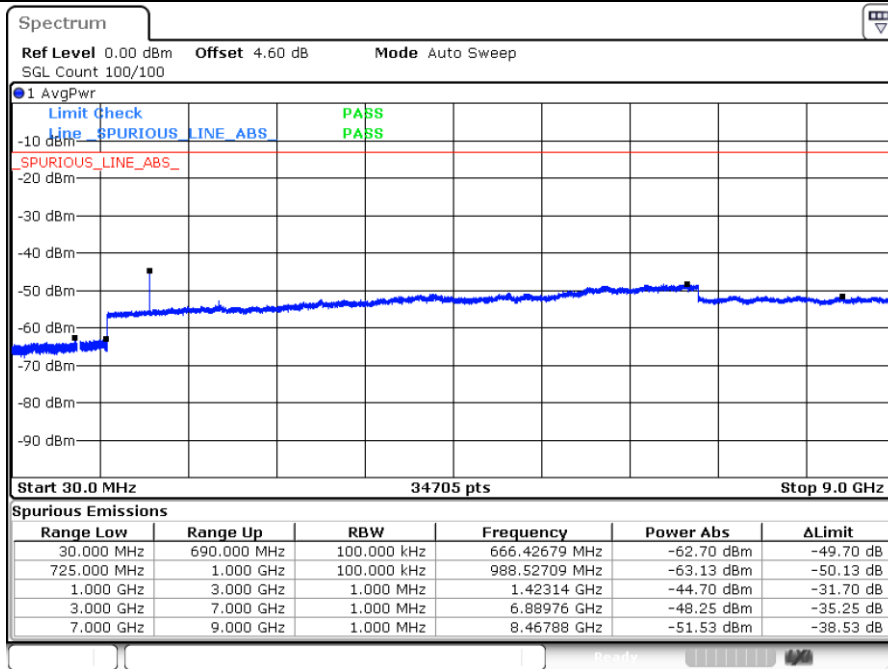


Date: 19.APR.2024 11:06:18



Date: 19.APR.2024 11:12:24

Highest Channel / QPSK



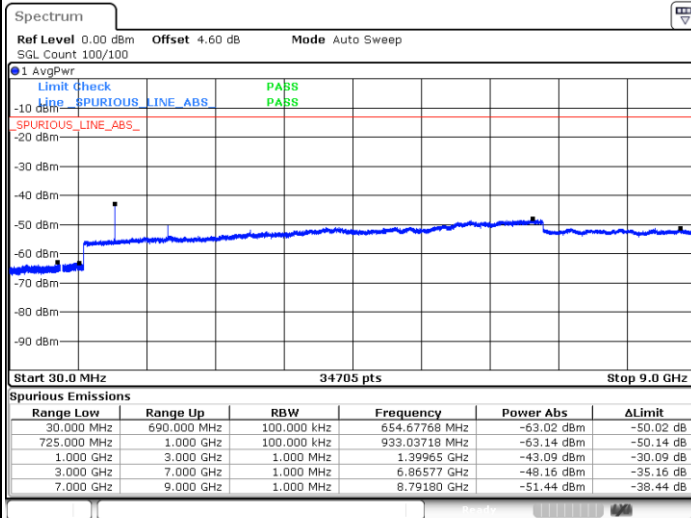
Date: 19.APR.2024 11:15:09



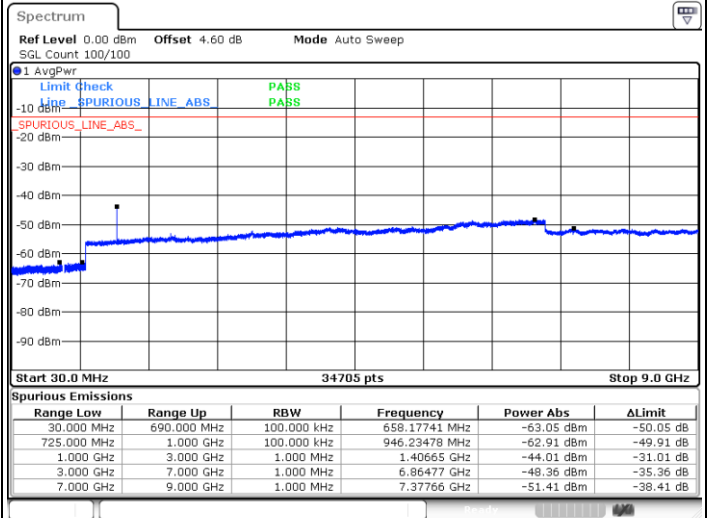
LTE Band 12 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

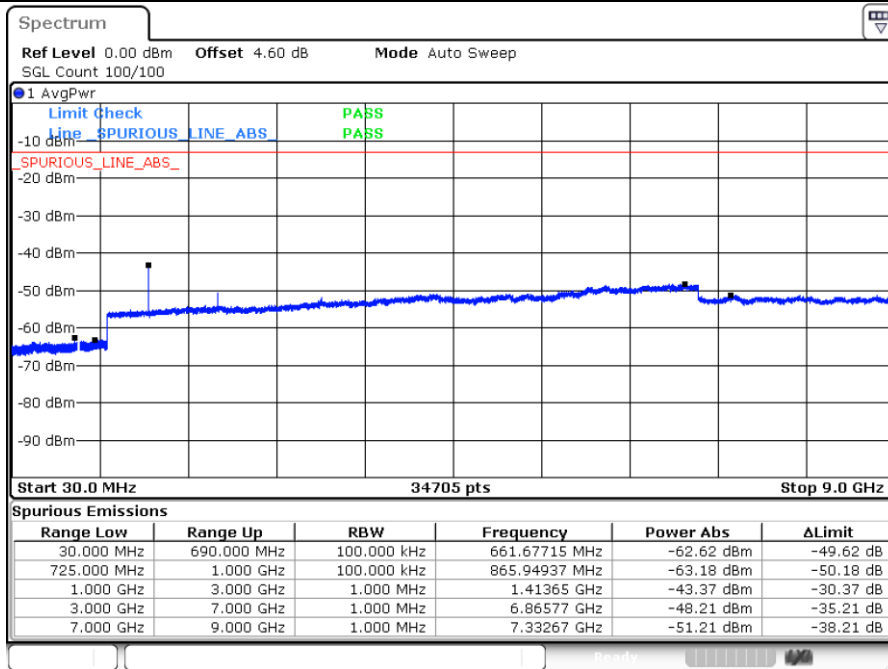


Date: 19.APR.2024 11:22:10



Date: 19.APR.2024 11:28:17

Highest Channel / QPSK



Date: 19.APR.2024 11:29:39

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	0.0014	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0031	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0034	

Note:

1. Normal Voltage =7.2 V. ; Battery End Point (BEP) =6.8V. ; Maximum Voltage =8.26 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

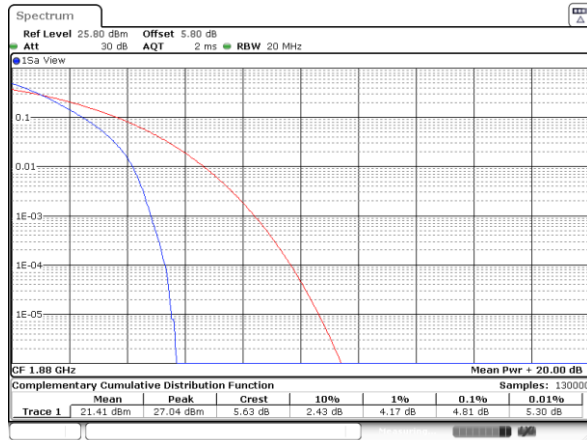
Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.81	5.86	6.29	PASS

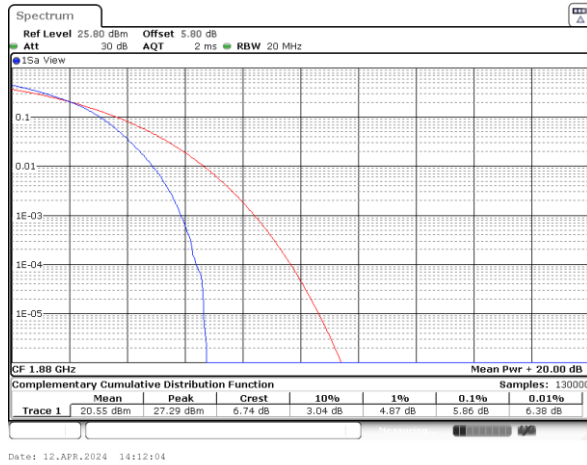


LTE Band 25 / 20MHz

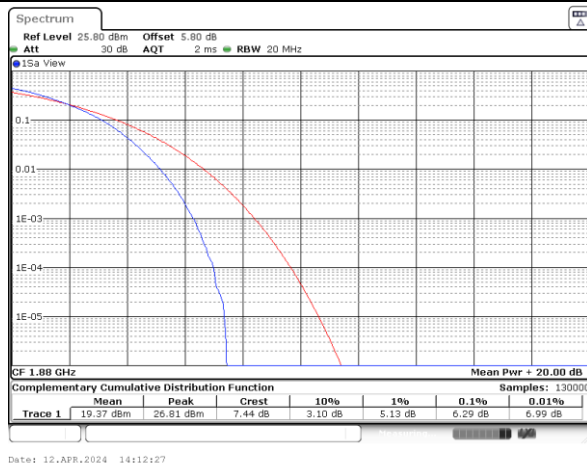
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM



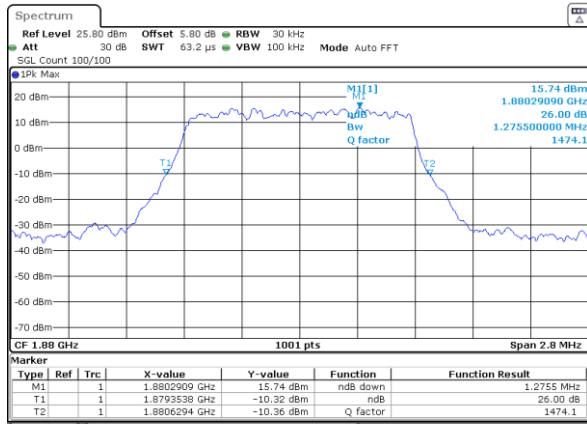
**26dB Bandwidth**

Mode	LTE Band 25 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.28	1.28
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.99	3.00
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.90	4.97
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.81	9.87
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.45	14.39
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.74	19.18



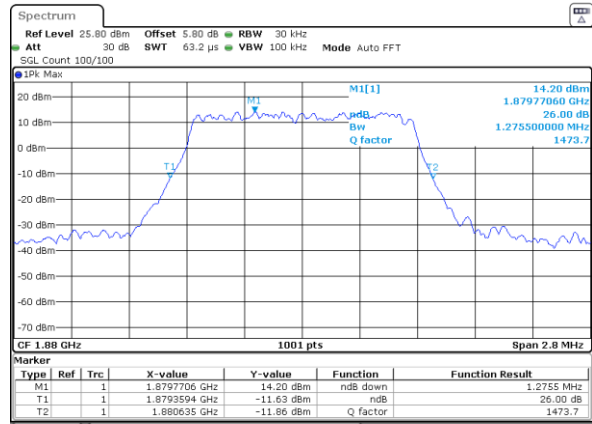
LTE Band 25

Middle Channel / 1.4MHz / QPSK



Date: 12.APR.2024 14:20:41

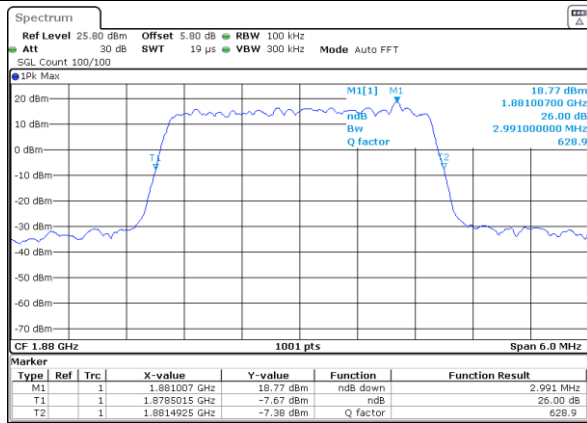
Middle Channel / 1.4MHz / 16QAM



Date: 12.APR.2024 14:21:27

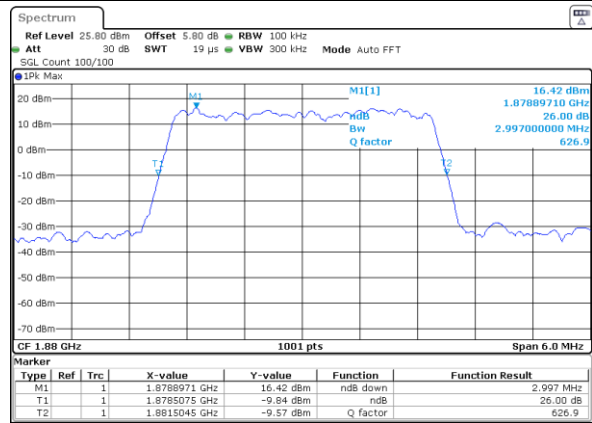
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 12.APR.2024 14:23:05

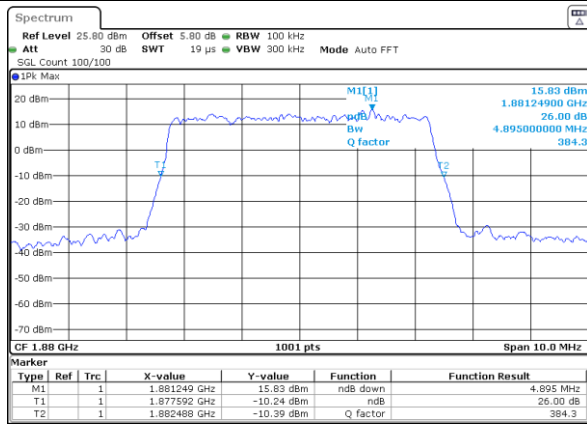
Middle Channel / 3MHz / 16QAM



Date: 12.APR.2024 14:22:10

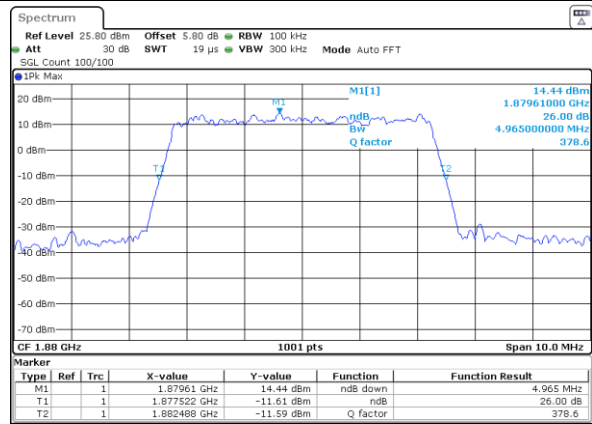
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 12.APR.2024 14:23:10

Middle Channel / 5MHz / 16QAM

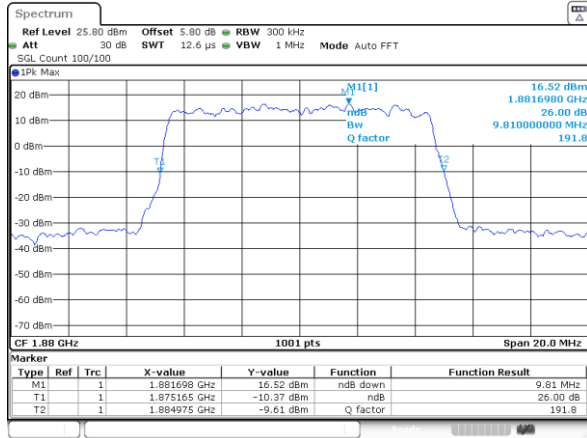


Date: 12.APR.2024 14:24:35



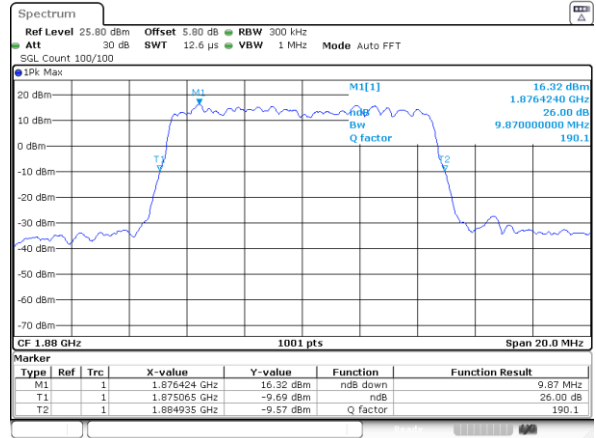
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 12.APR.2024 14:26:11

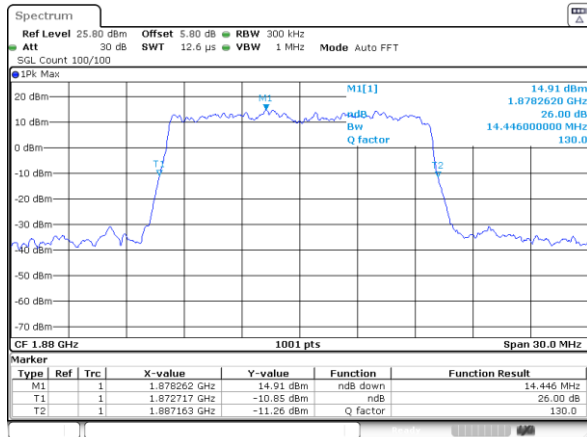
Middle Channel / 10MHz / 16QAM



Date: 12.APR.2024 14:25:23

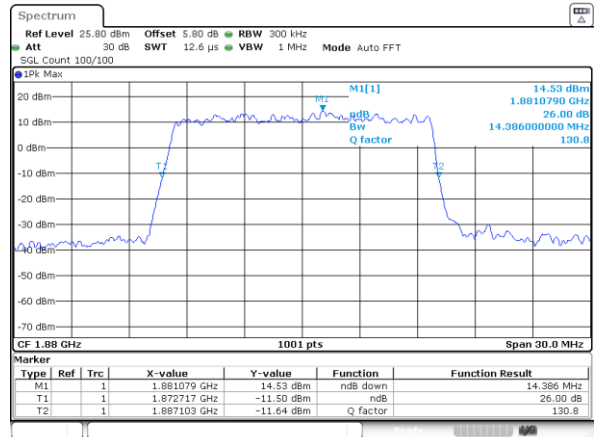
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 12.APR.2024 14:27:06

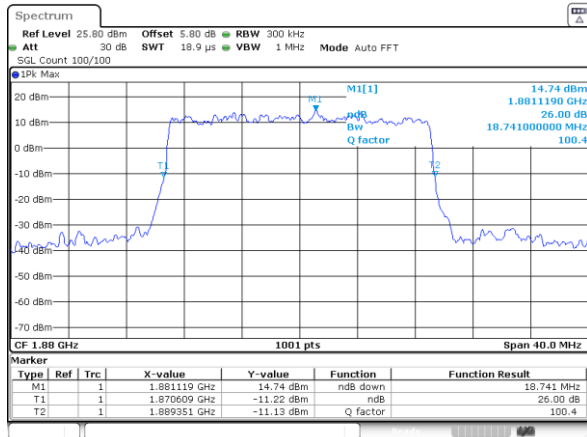
Middle Channel / 15MHz / 16QAM



Date: 12.APR.2024 14:27:51

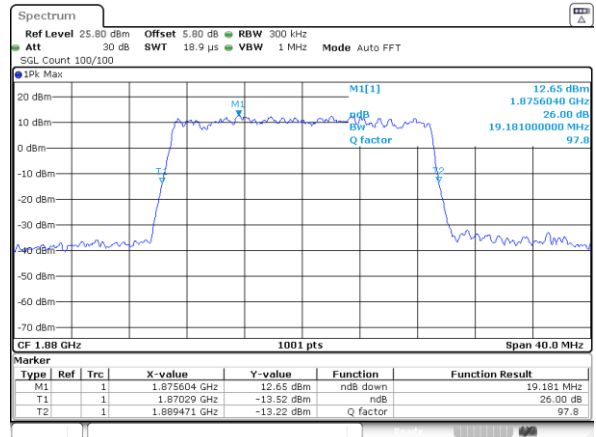
LTE Band 25

Middle Channel / 20MHz / QPSK



Date: 12.APR.2024 13:58:46

Middle Channel / 20MHz / 16QAM



Date: 12.APR.2024 13:59:07

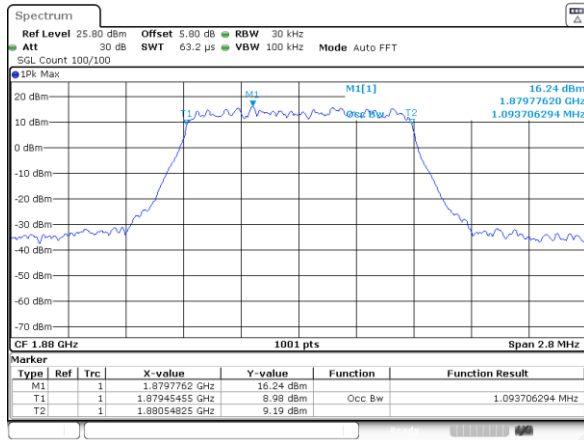
**Occupied Bandwidth**

Mode	LTE Band 25 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.73	2.70
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.47	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	8.99	8.97
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.34	13.37
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.78	17.90

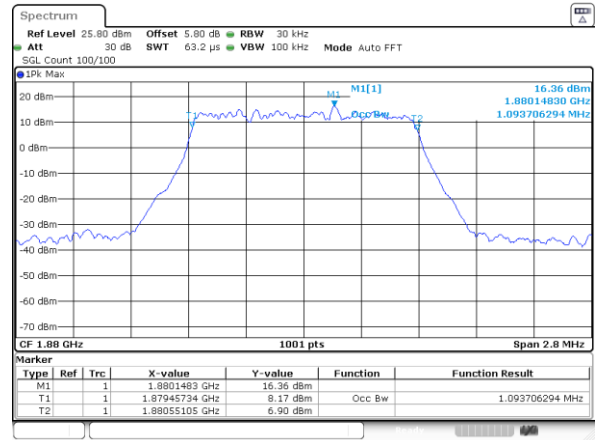


LTE Band 25

Middle Channel / 1.4MHz / QPSK

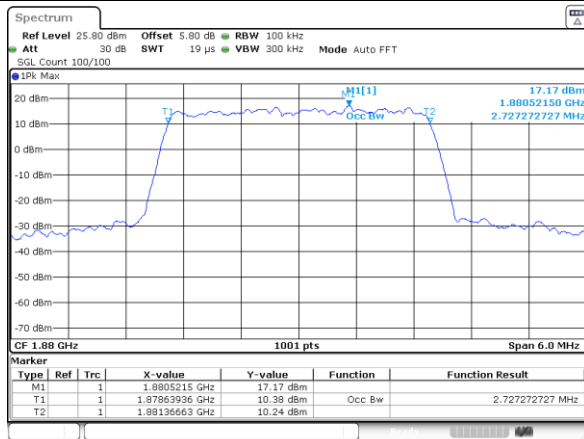


Middle Channel / 1.4MHz / 16QAM

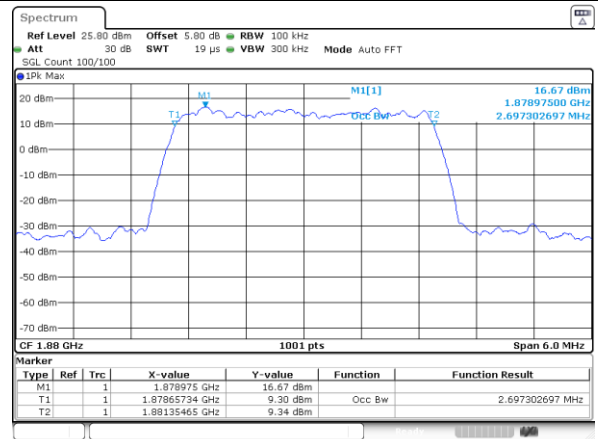


LTE Band 25

Middle Channel / 3MHz / QPSK

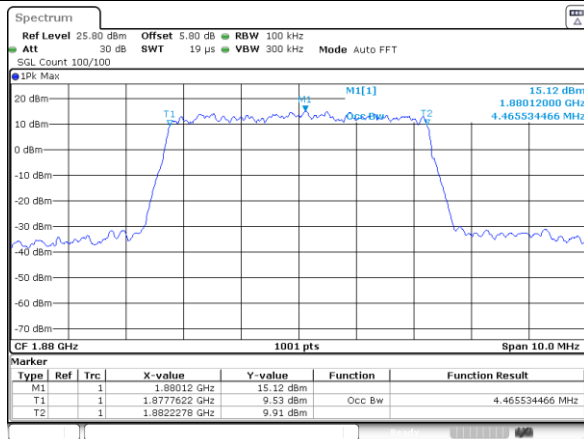


Middle Channel / 3MHz / 16QAM

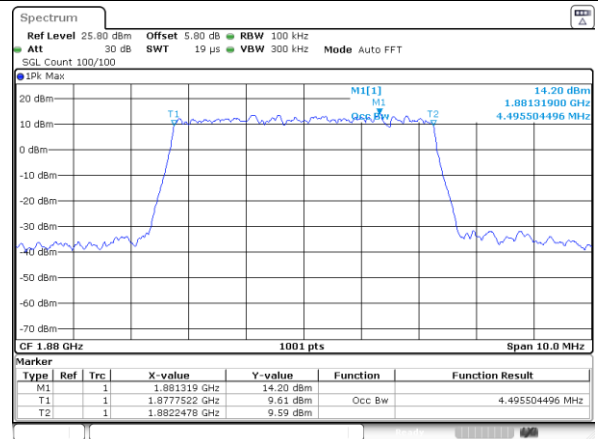


LTE Band 25

Middle Channel / 5MHz / QPSK



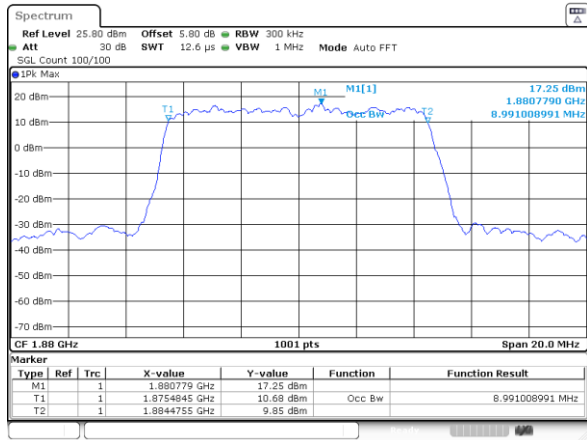
Middle Channel / 5MHz / 16QAM





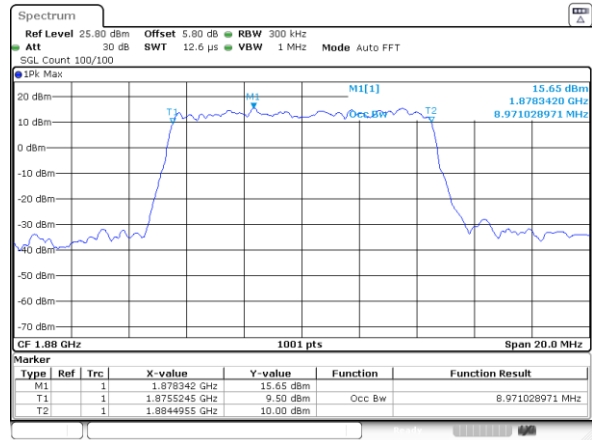
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 12.APR.2024 14:25:49

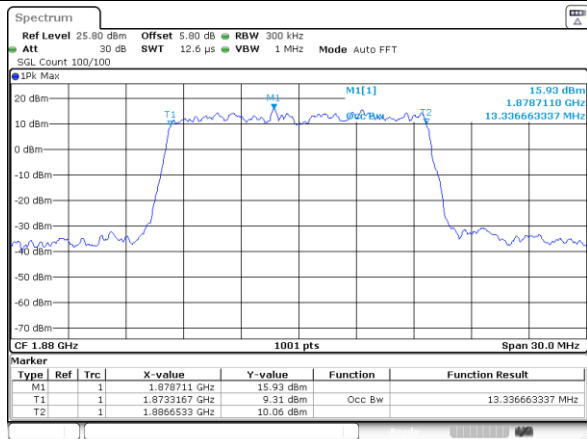
Middle Channel / 10MHz / 16QAM



Date: 12.APR.2024 14:25:02

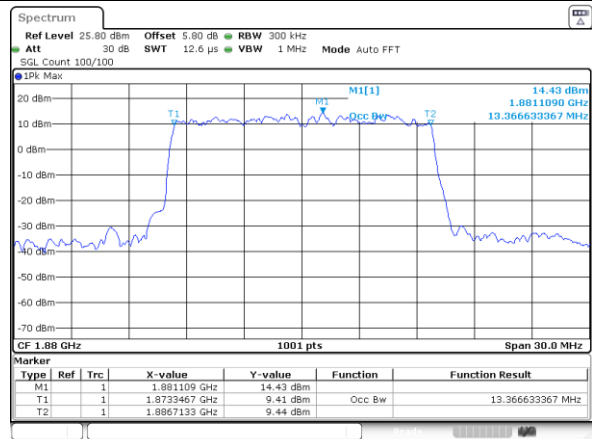
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 12.APR.2024 14:26:45

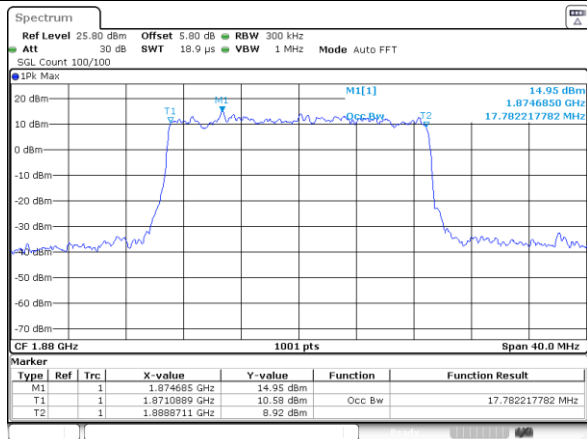
Middle Channel / 15MHz / 16QAM



Date: 12.APR.2024 14:27:30

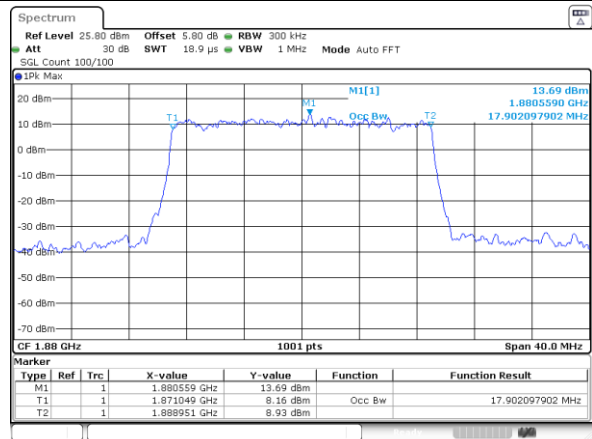
LTE Band 25

Middle Channel / 20MHz / QPSK



Date: 12.APR.2024 13:58:24

Middle Channel / 20MHz / 16QAM



Date: 12.APR.2024 13:59:29