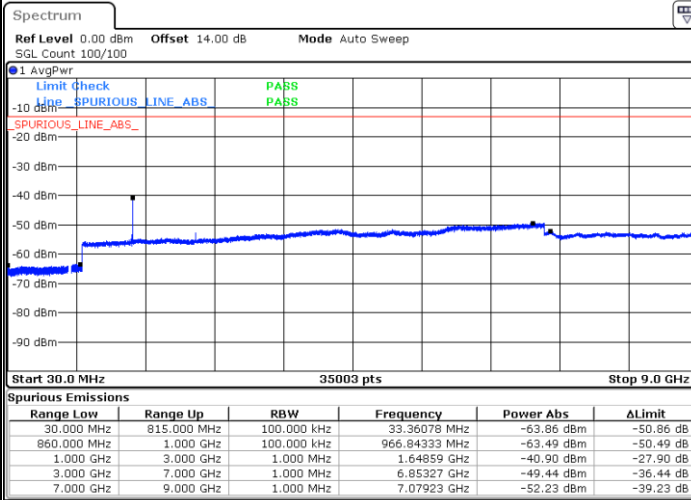




Conducted Spurious Emission

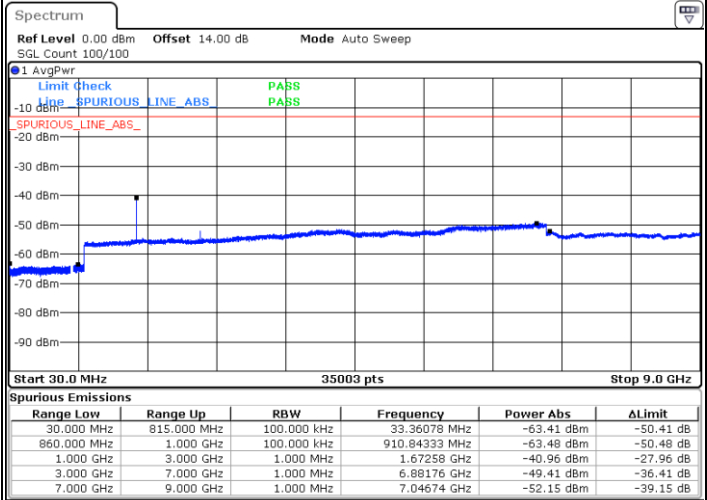
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



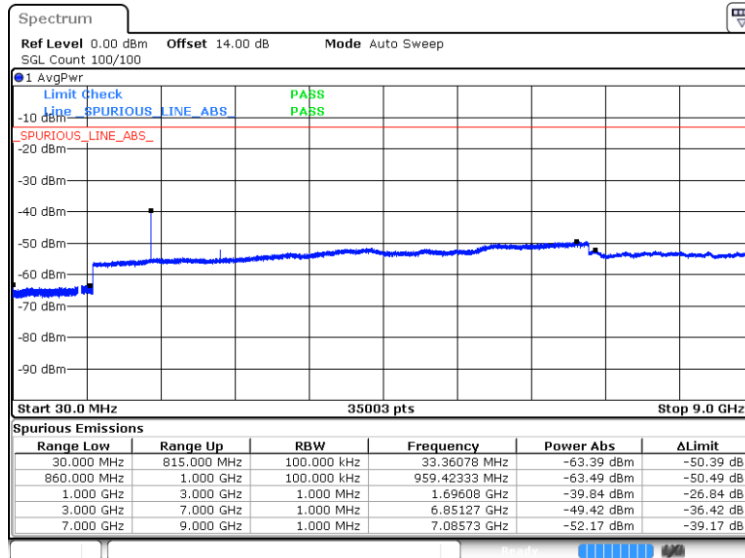
Date: 3.NOV.2025 13:35:15

Middle Channel / QPSK



Date: 3.NOV.2025 13:36:14

Highest Channel / QPSK

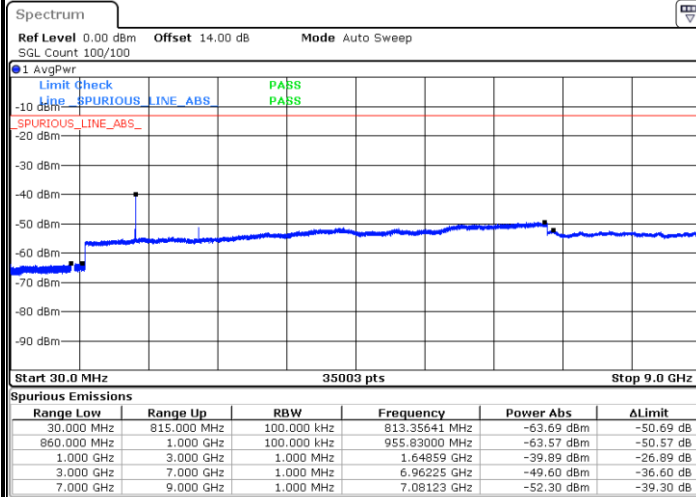


Date: 3.NOV.2025 13:43:08



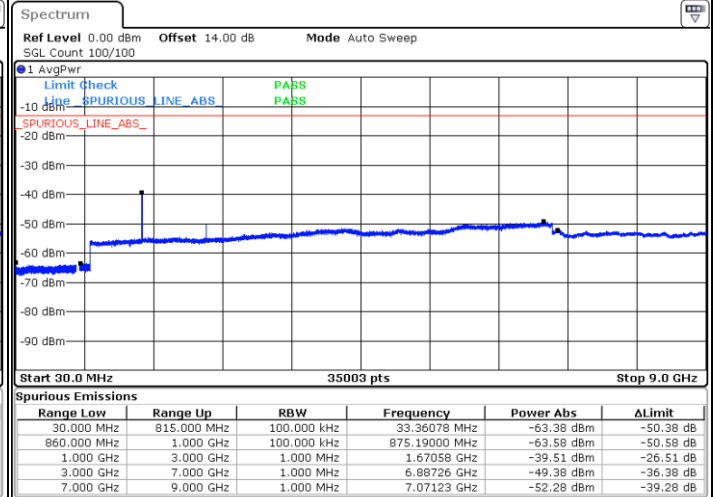
LTE Band 5 / 3MHz

Lowest Channel / QPSK



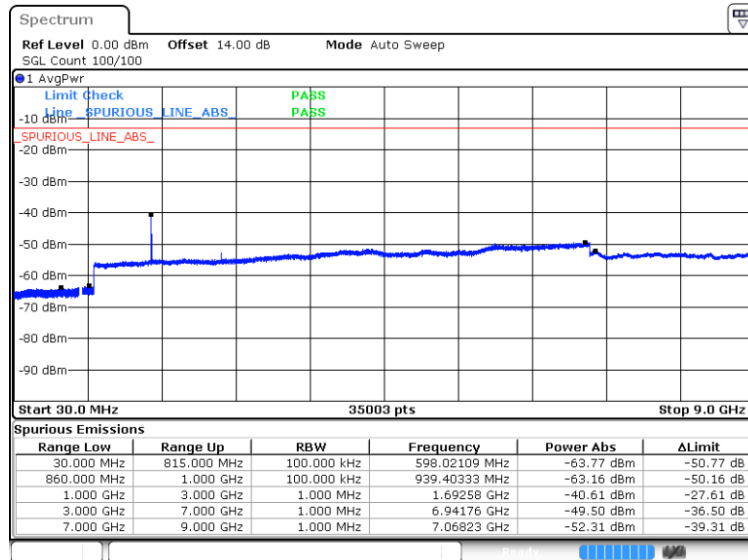
Date: 3.NOV.2025 13:49:39

Middle Channel / QPSK



Date: 3.NOV.2025 13:50:28

Highest Channel / QPSK

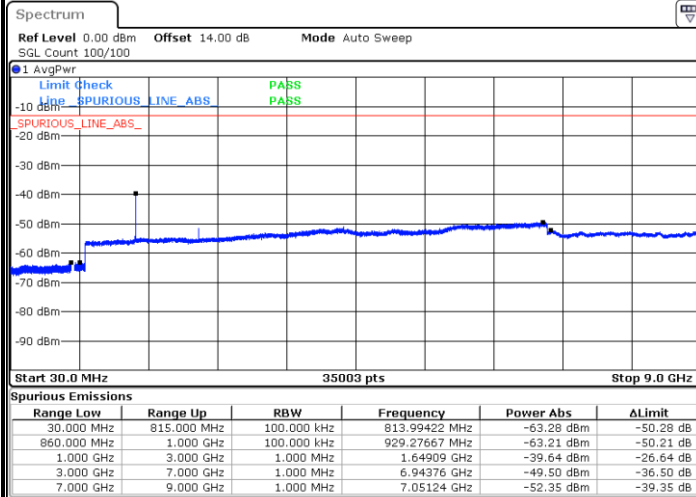


Date: 3.NOV.2025 13:57:22



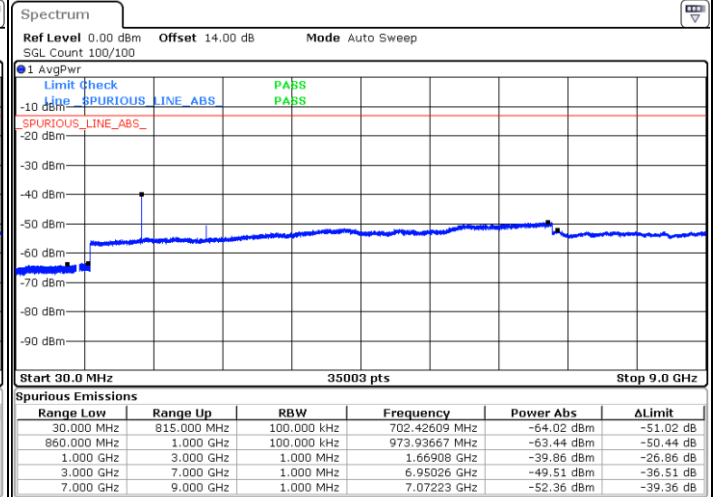
LTE Band 5 / 5MHz

Lowest Channel / QPSK



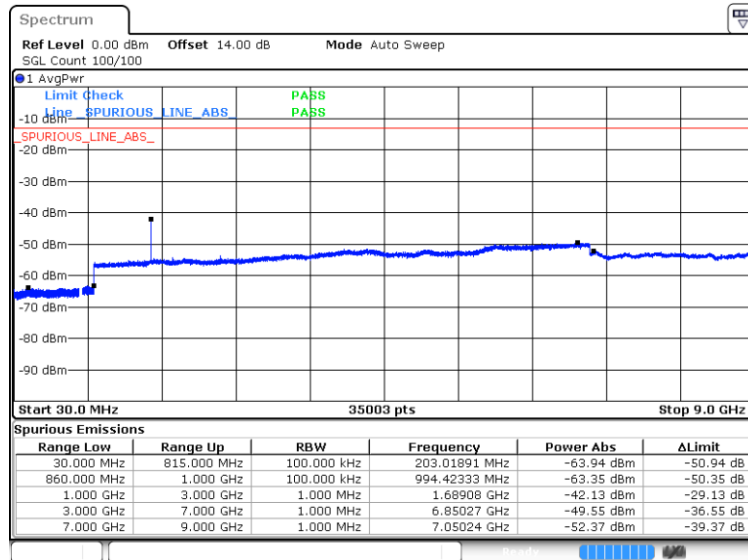
Date: 3.NOV.2025 14:03:21

Middle Channel / QPSK



Date: 3.NOV.2025 14:04:10

Highest Channel / QPSK

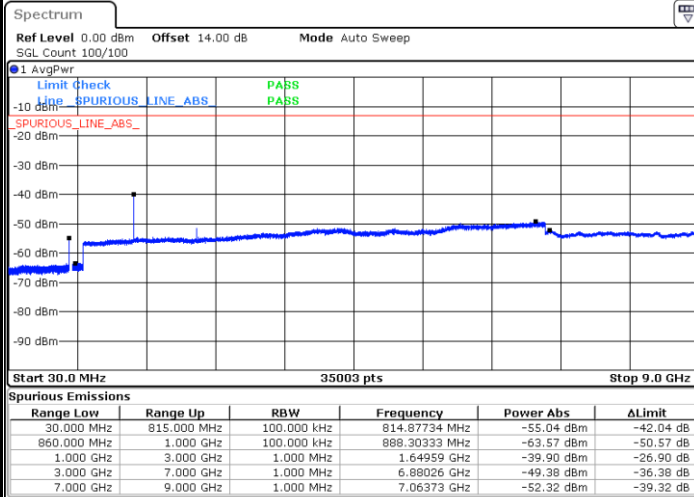


Date: 3.NOV.2025 14:11:05



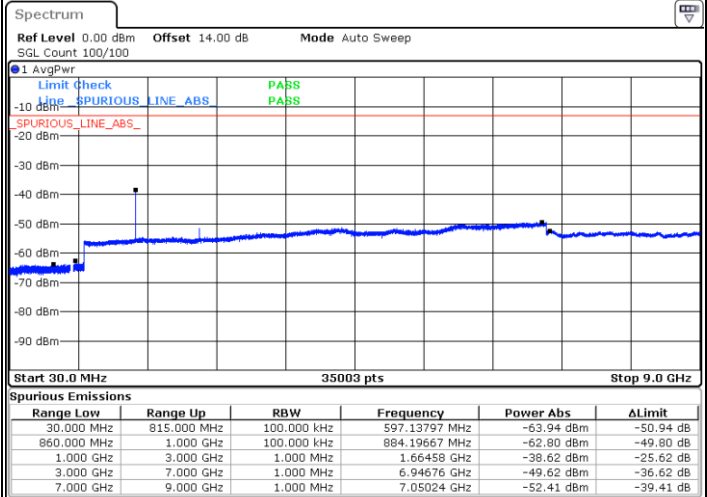
LTE Band 5 / 10MHz

Lowest Channel / QPSK



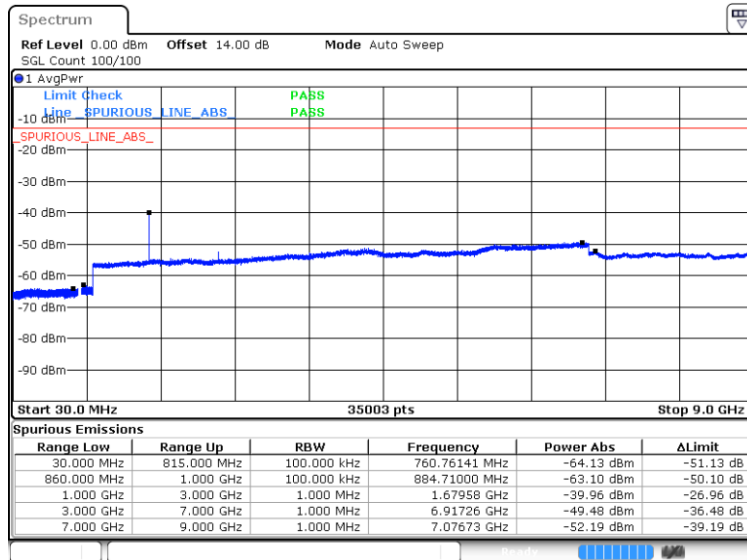
Date: 3.NOV.2025 14:17:35

Middle Channel / QPSK



Date: 3.NOV.2025 14:18:24

Highest Channel / QPSK



Date: 3.NOV.2025 14:26:39

**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	0.0005	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.91 V.; Battery End Point (BEP) = 3.4 V.; Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

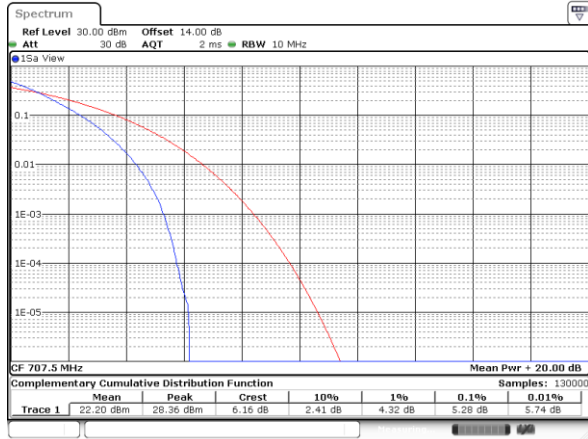
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.28	6.17	6.38	PASS



LTE Band 12 / 10MHz / QPSK

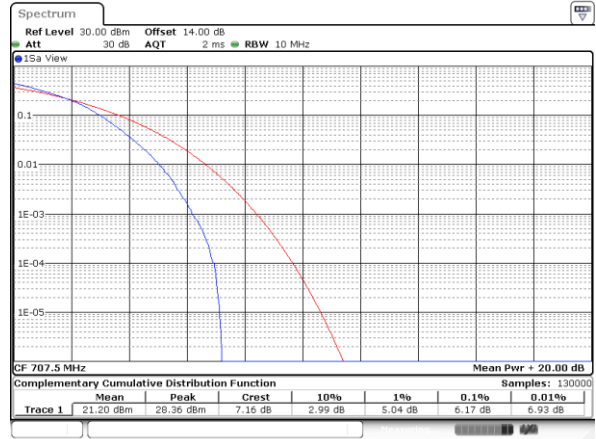
Middle Channel / Full RB



Date: 3 NOV 2025 15:45:54

LTE Band 12 / 10MHz / 16QAM

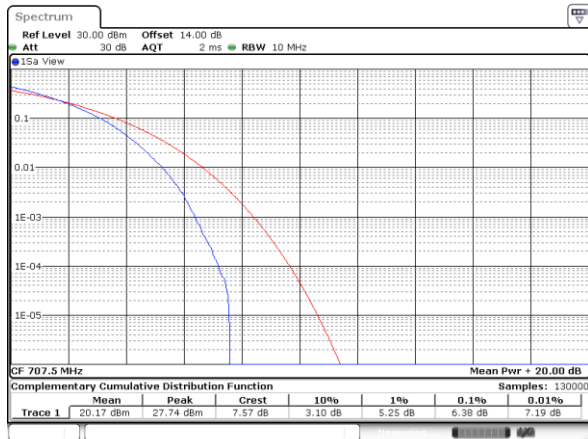
Middle Channel / Full RB



Date: 3 NOV 2025 15:46:21

LTE Band 12 / 10MHz / 64QAM

Middle Channel / Full RB



Date: 3 NOV 2025 15:46:48



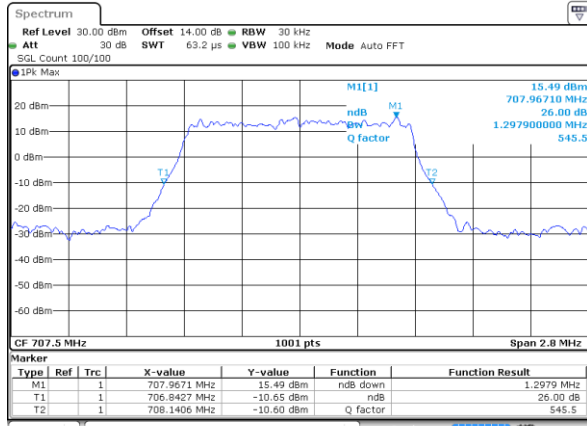
26dB Bandwidth

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
Middle CH	1.30	1.30	3.00	3.00	4.90	4.83	9.63	9.63	-	-	-	-



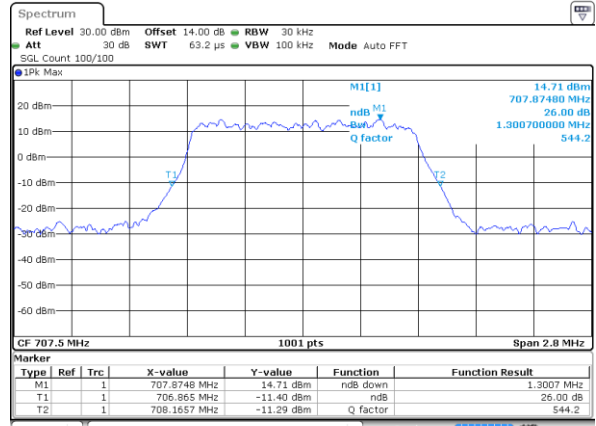
LTE Band 12

Middle Channel / 1.4MHz / QPSK



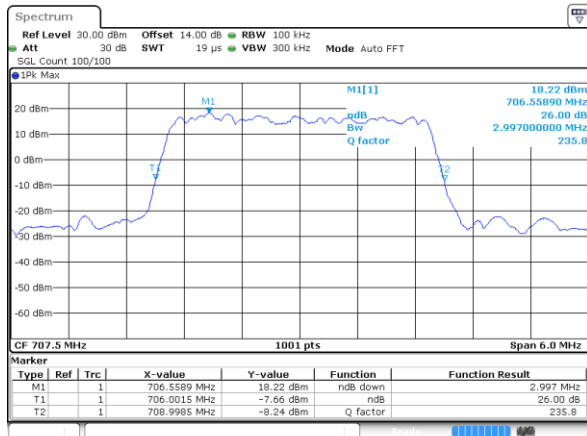
Date: 3 NOV 2025 14:37:13

Middle Channel / 1.4MHz / 16QAM



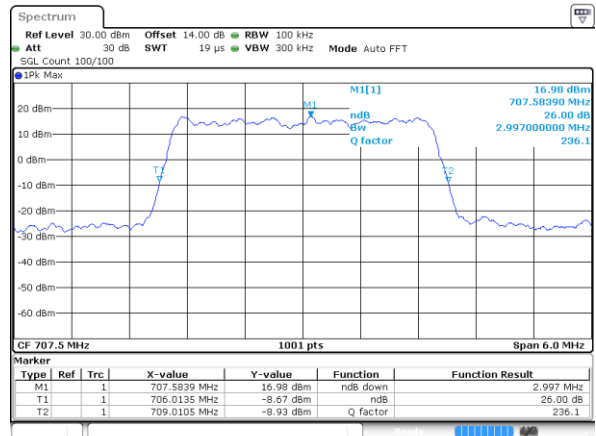
Date: 3 NOV 2025 14:37:52

Middle Channel / 3MHz / QPSK



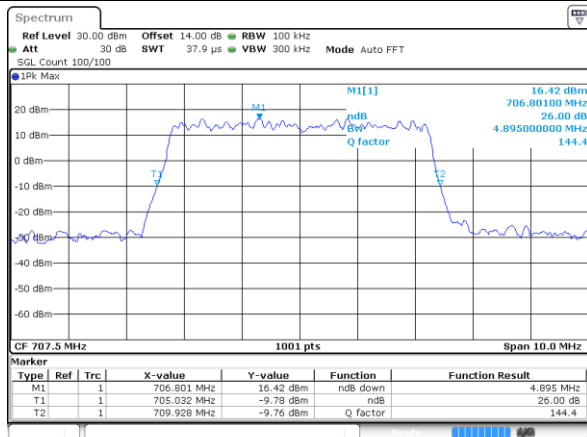
Date: 3 NOV 2025 14:54:16

Middle Channel / 3MHz / 16QAM



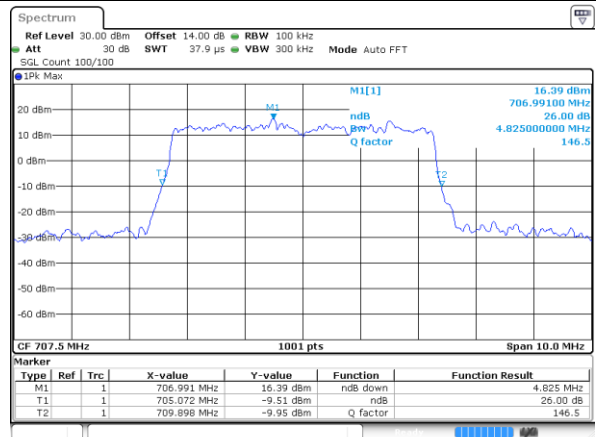
Date: 3 NOV 2025 14:54:55

Middle Channel / 5MHz / QPSK



Date: 3 NOV 2025 15:24:43

Middle Channel / 5MHz / 16QAM

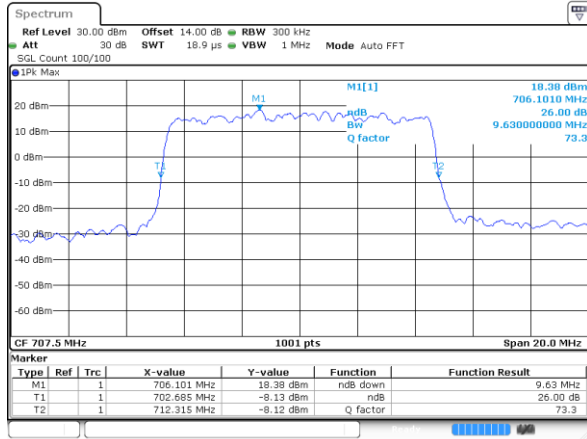


Date: 3 NOV 2025 15:25:23



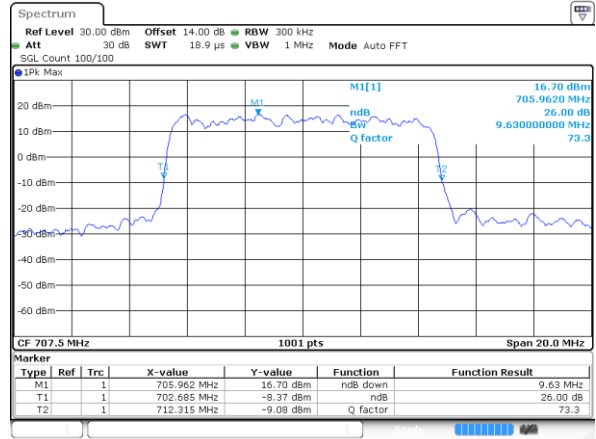
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 3 NOV 2025 15:39:08

Middle Channel / 10MHz / 16QAM



Date: 3 NOV 2025 15:39:48



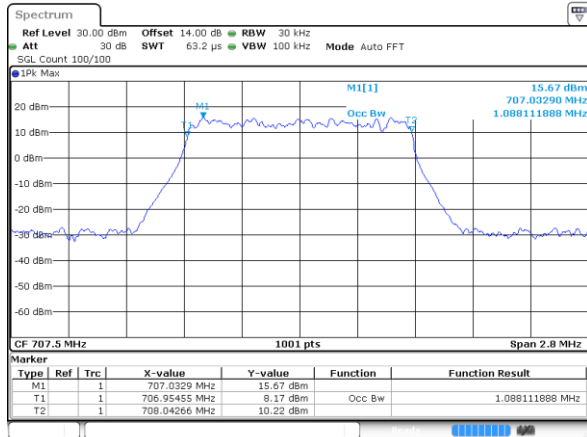
Occupied Bandwidth

Mode	LTE Band 12 : 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	1.09	2.72	2.71	4.49	4.50	8.93	9.01	-	-	-	-

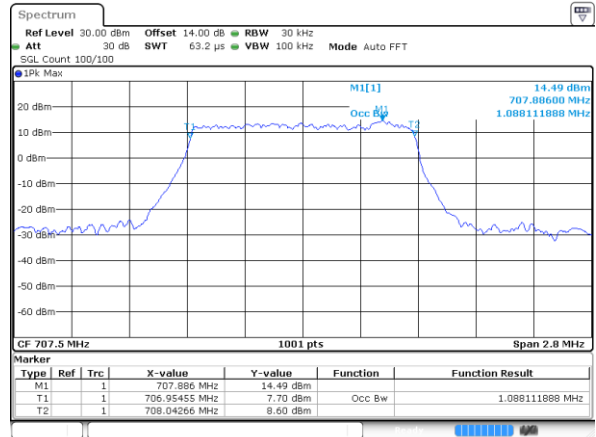


LTE Band 12

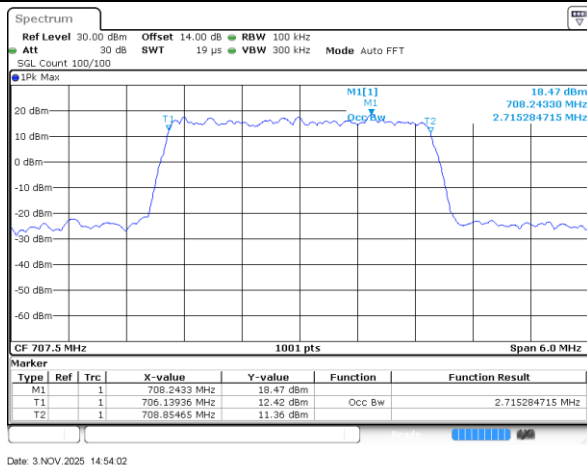
Middle Channel / 1.4MHz / QPSK



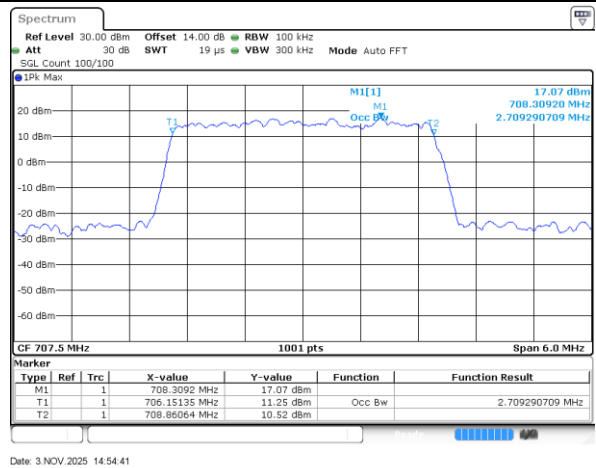
Middle Channel / 1.4MHz / 16QAM



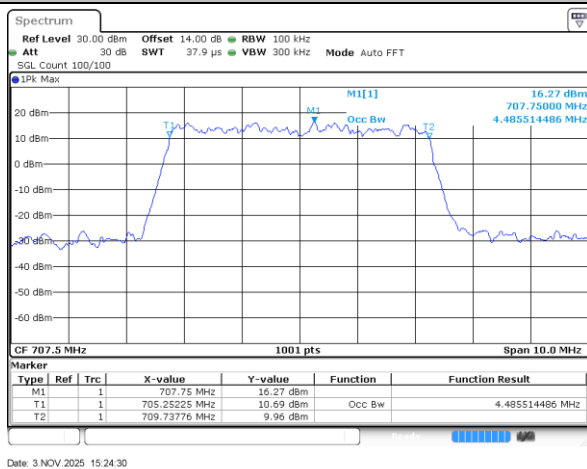
Middle Channel / 3MHz / QPSK



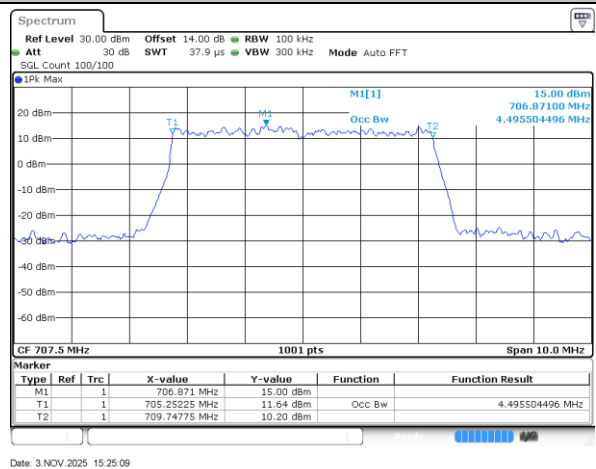
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



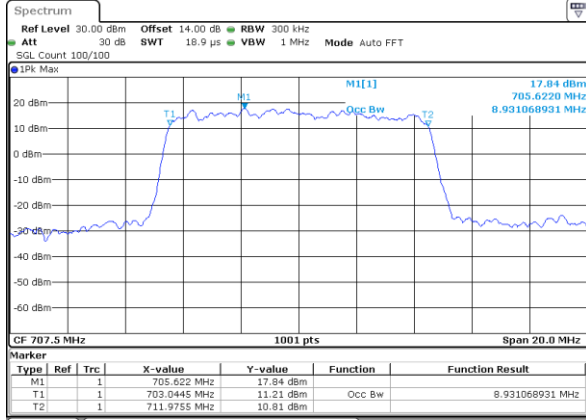
Middle Channel / 5MHz / 16QAM





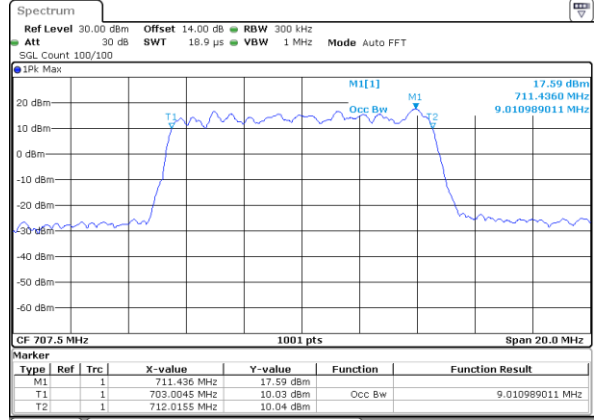
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 3 NOV 2025 15:38:55

Middle Channel / 10MHz / 16QAM



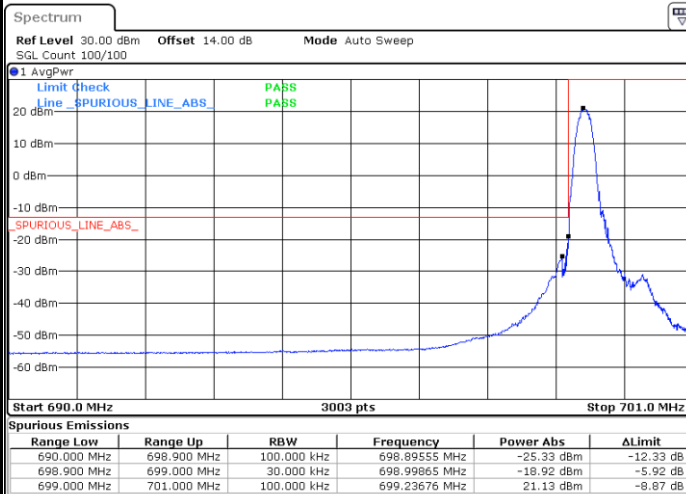
Date: 3 NOV 2025 15:39:34



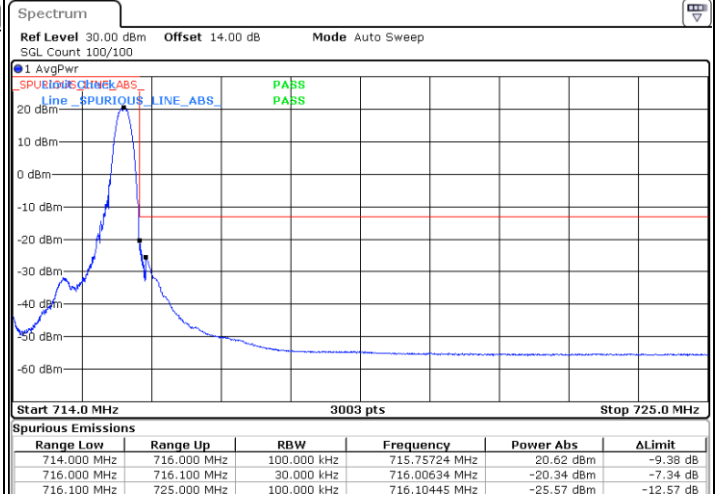
Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

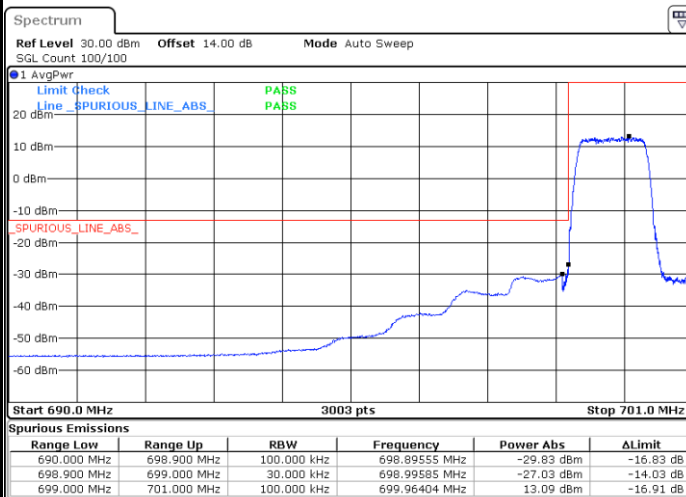
Lowest Band Edge / 1RB



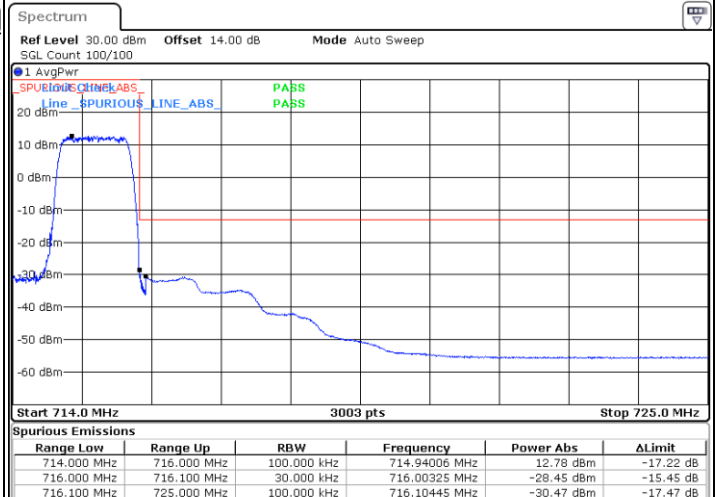
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



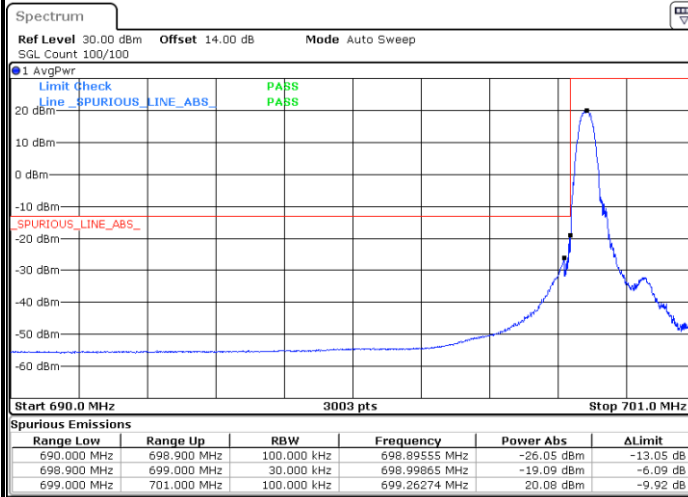
Highest Band Edge / Full RB



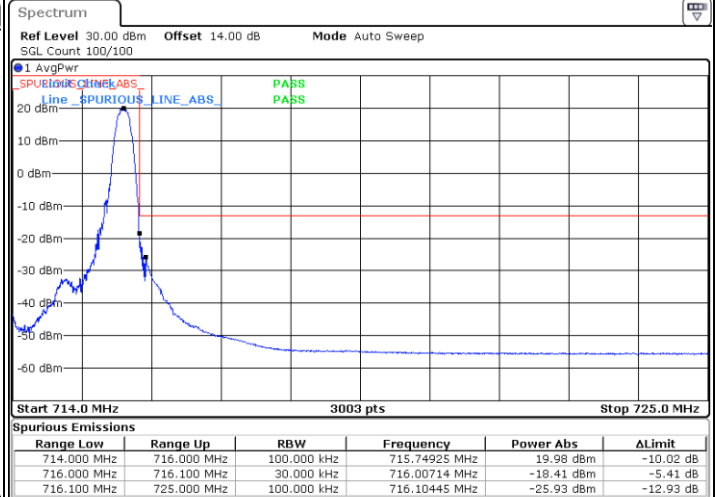


LTE Band 12 / 1.4MHz / 16QAM

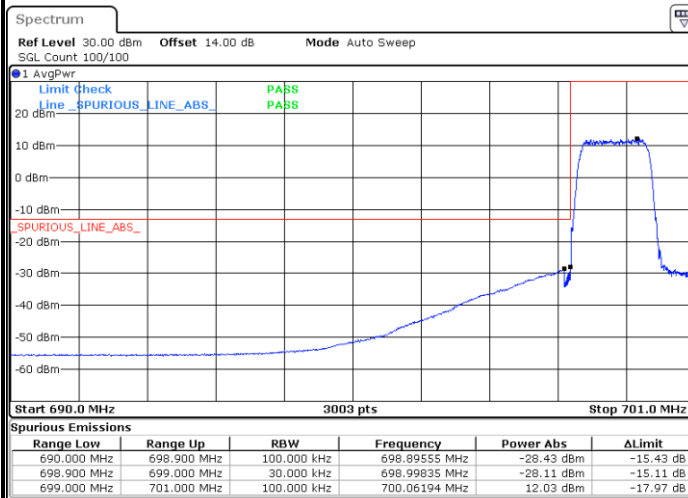
Lowest Band Edge / 1 RB



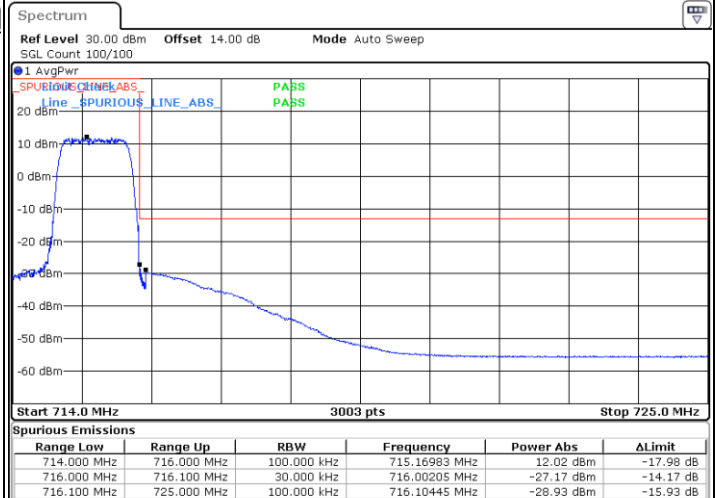
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



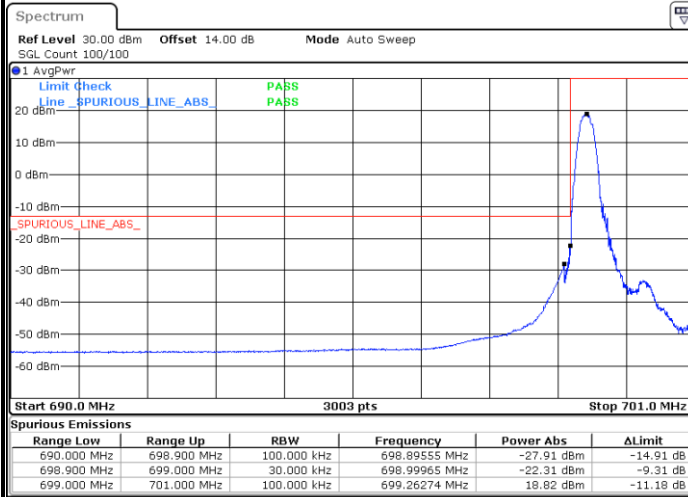
Highest Band Edge / Full RB





LTE Band 12 / 1.4MHz / 64QAM

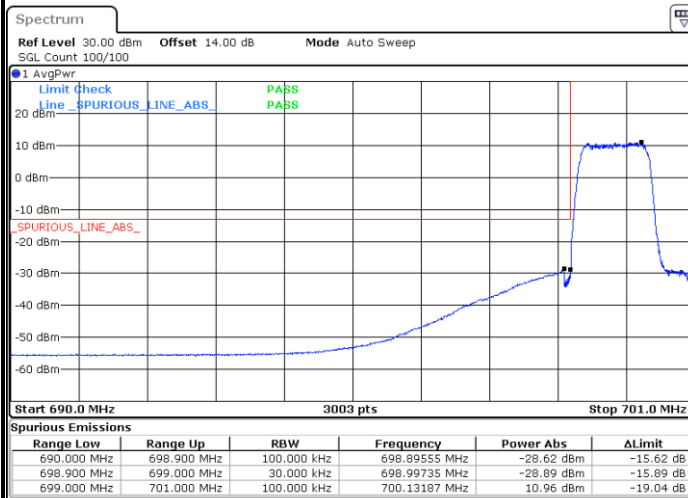
Lowest Band Edge / 1 RB



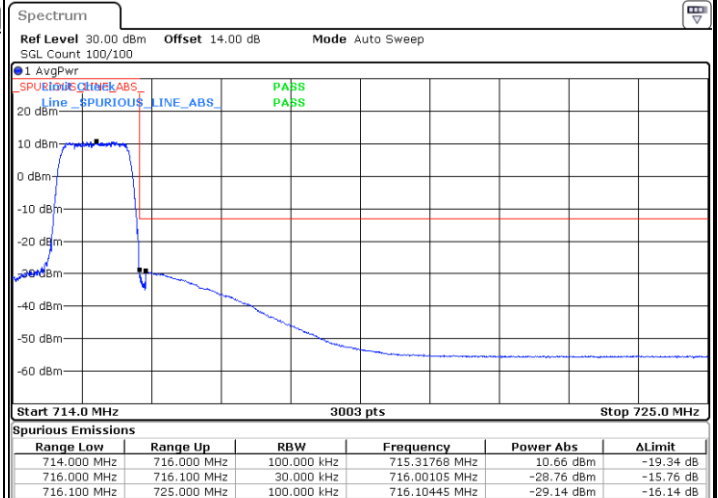
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



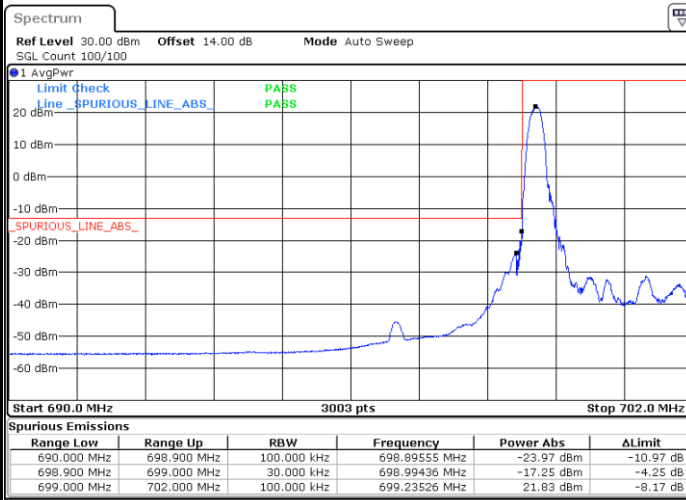
Highest Band Edge / Full RB



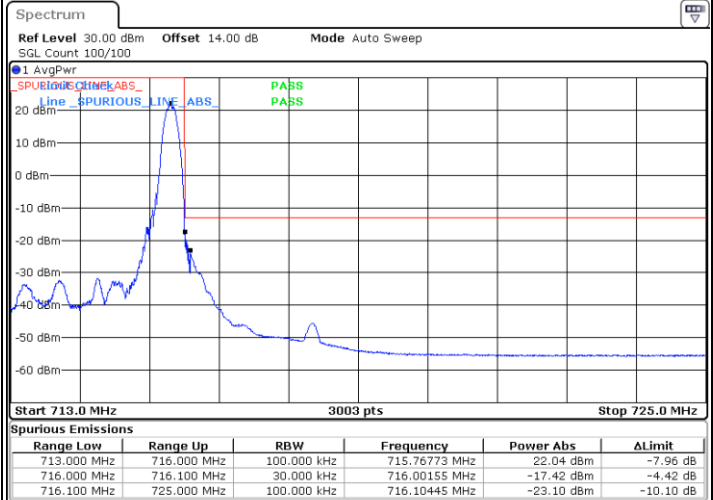


LTE Band 12 / 3MHz / QPSK

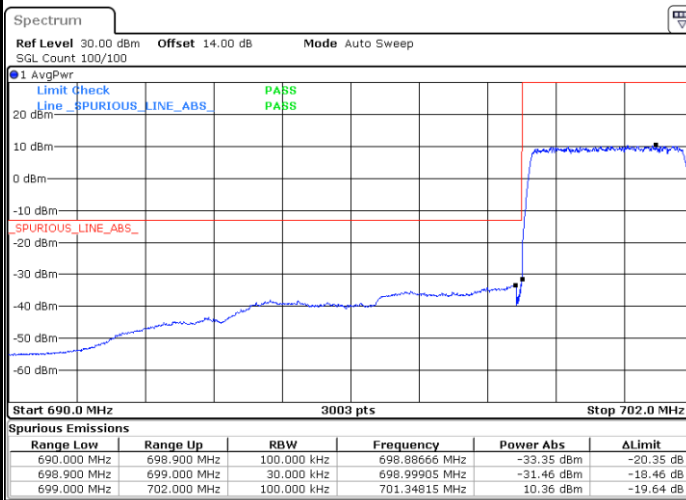
Lowest Band Edge / 1RB



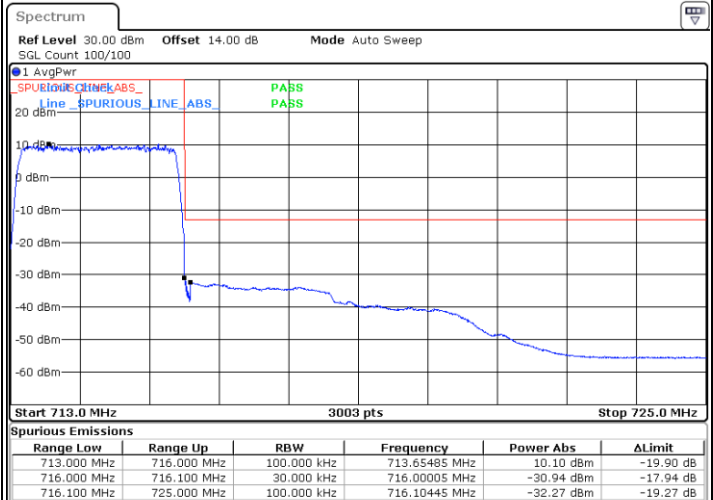
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



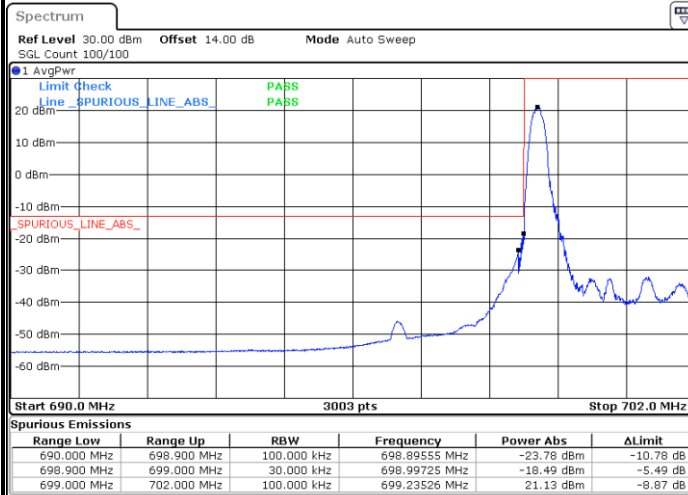
Highest Band Edge / Full RB



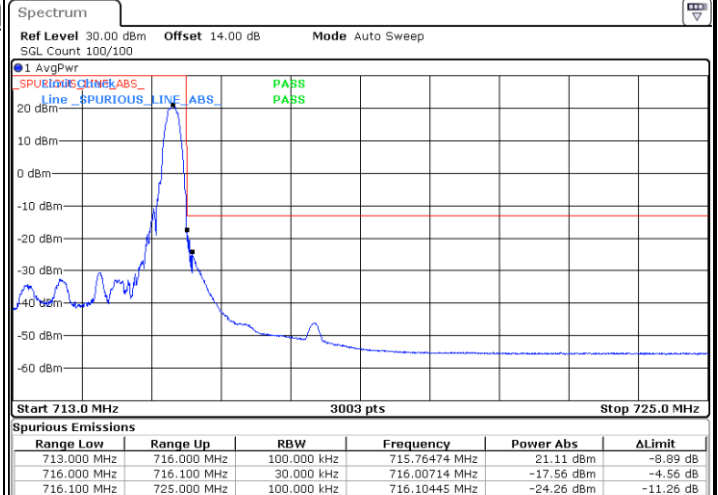


LTE Band 12 / 3MHz / 16QAM

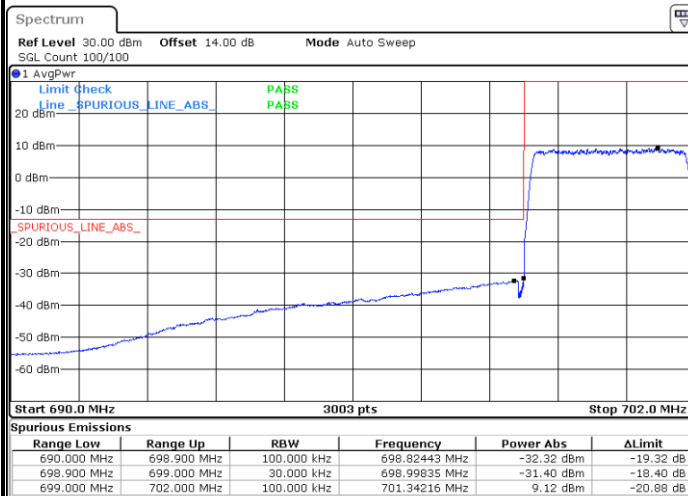
Lowest Band Edge / 1 RB



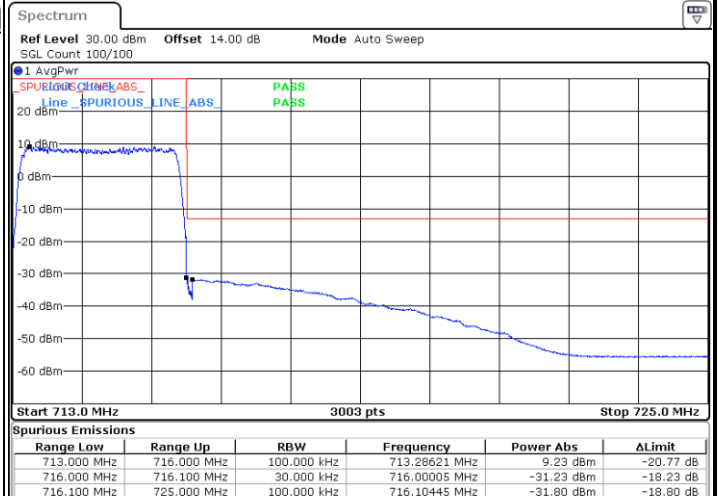
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



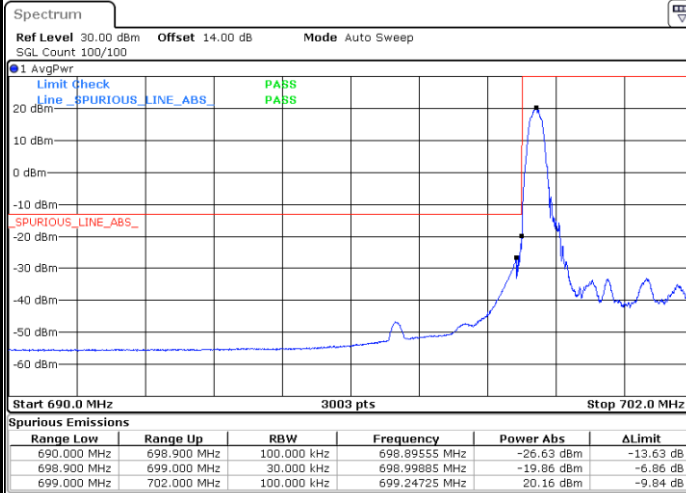
Highest Band Edge / Full RB



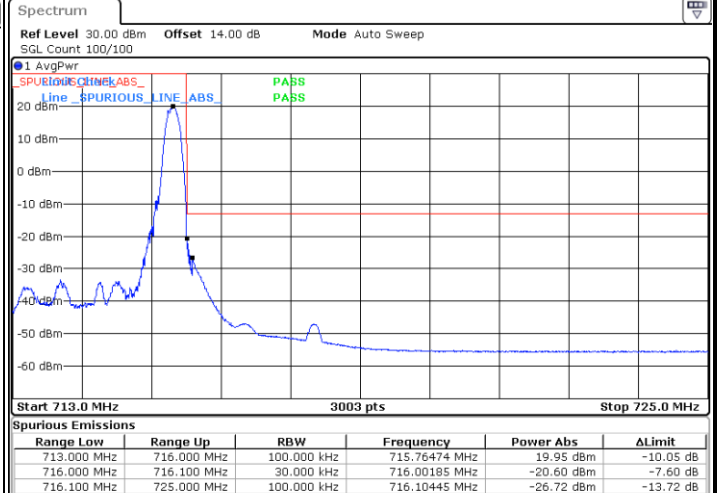


LTE Band 12 / 3MHz / 64QAM

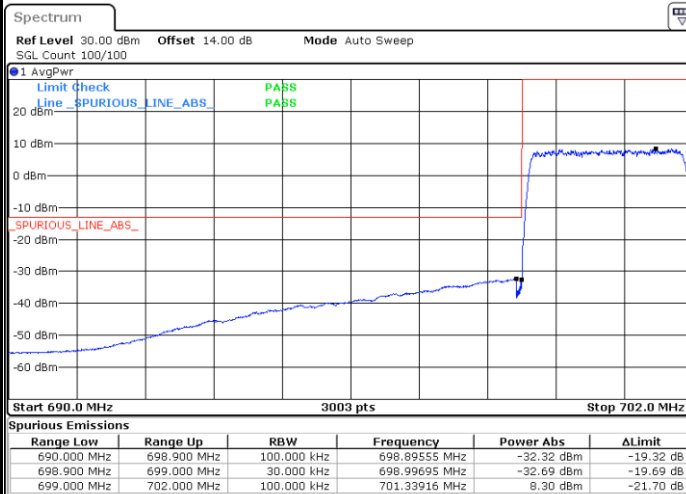
Lowest Band Edge / 1 RB



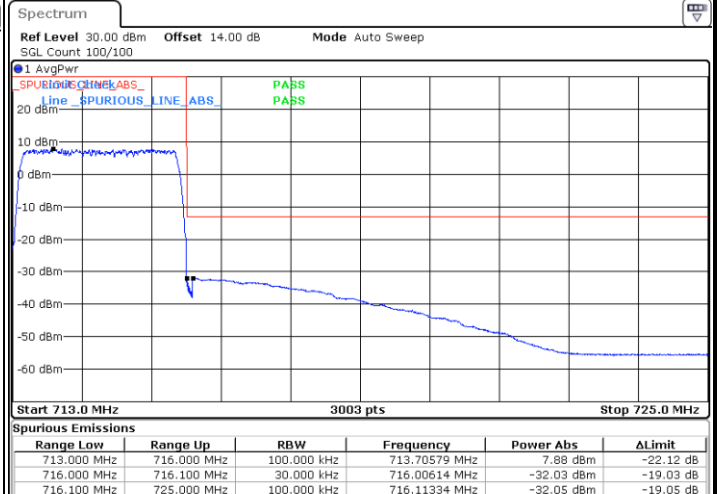
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



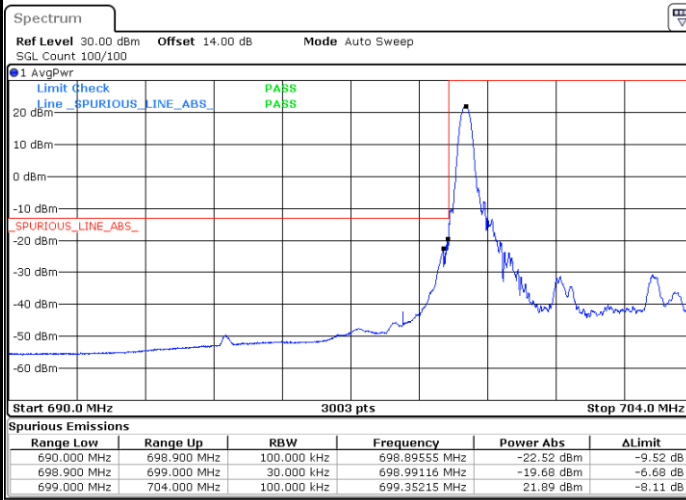
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / QPSK

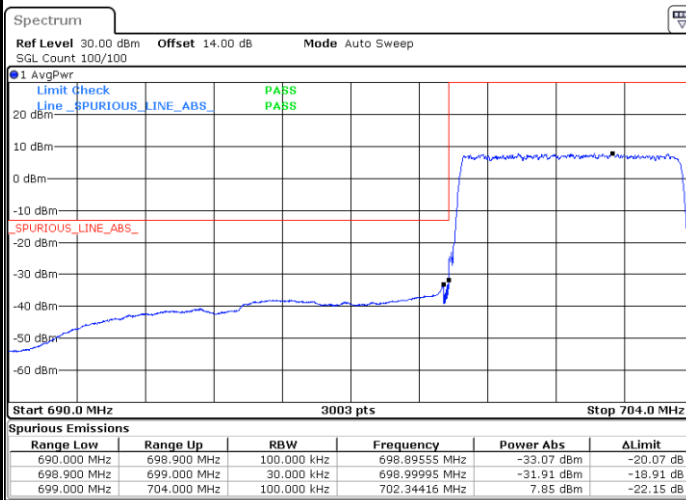
Lowest Band Edge / 1RB



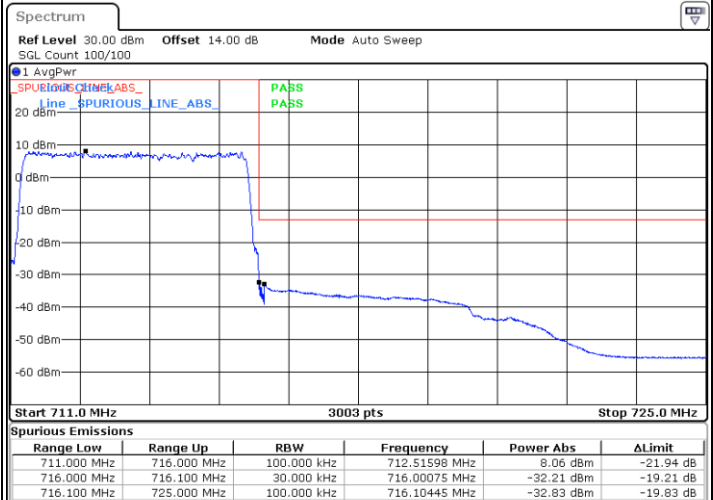
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





LTE Band 12 / 5MHz / 16QAM

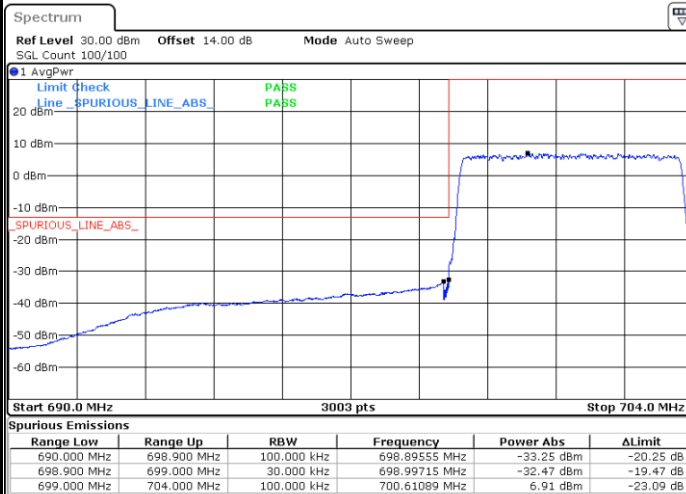
Lowest Band Edge / 1 RB



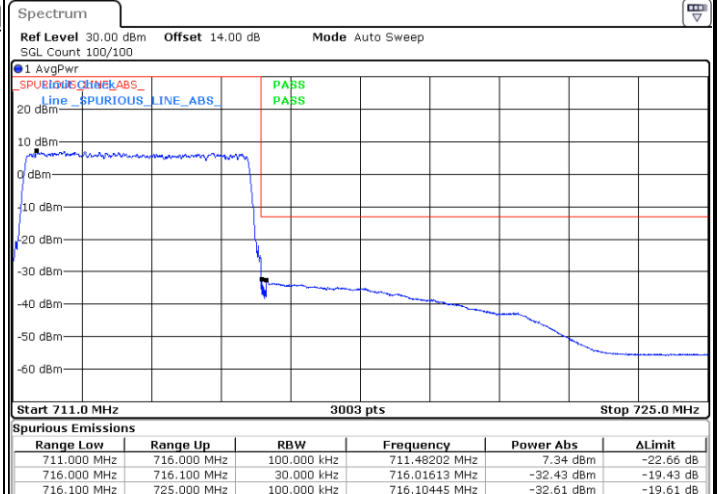
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



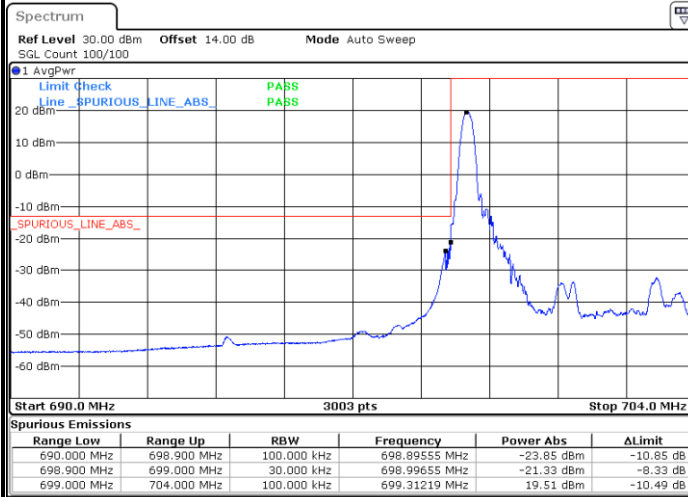
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / 64QAM

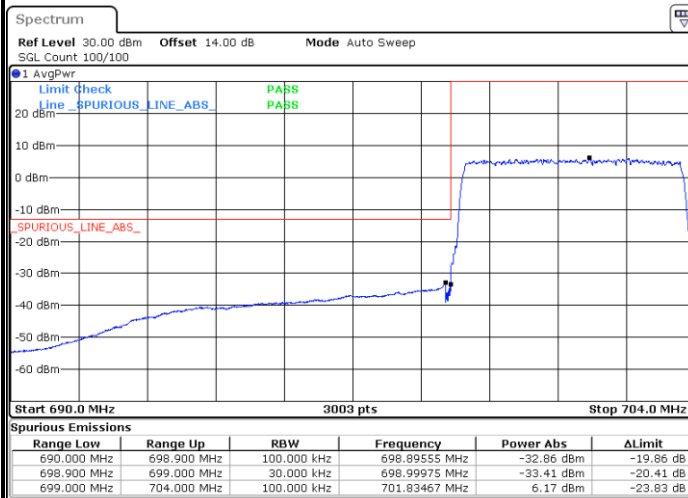
Lowest Band Edge / 1 RB



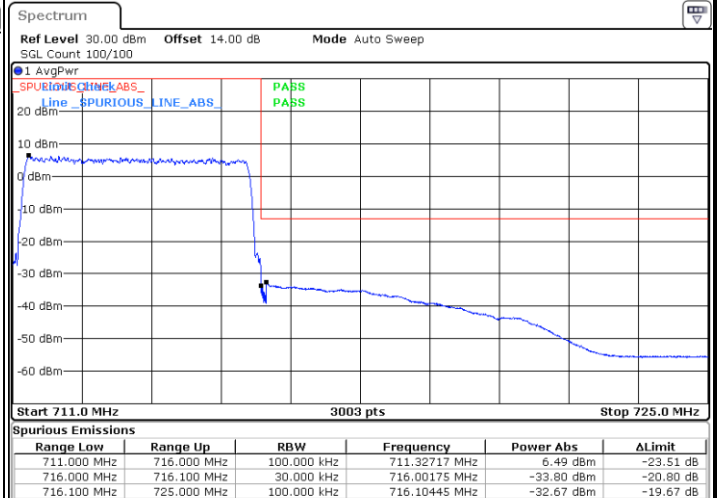
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



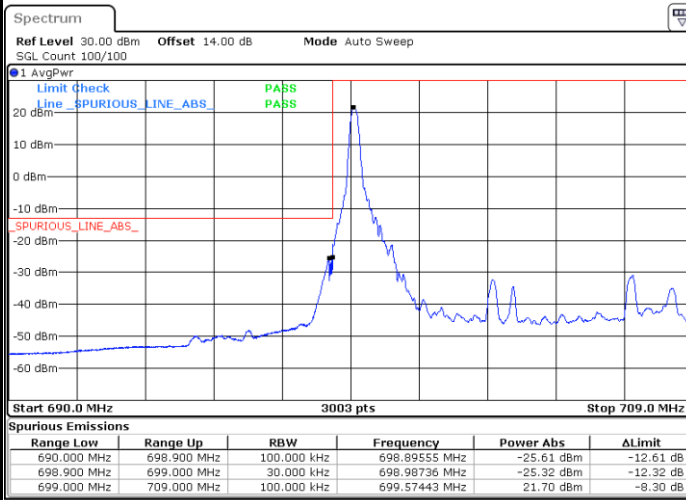
Highest Band Edge / Full RB



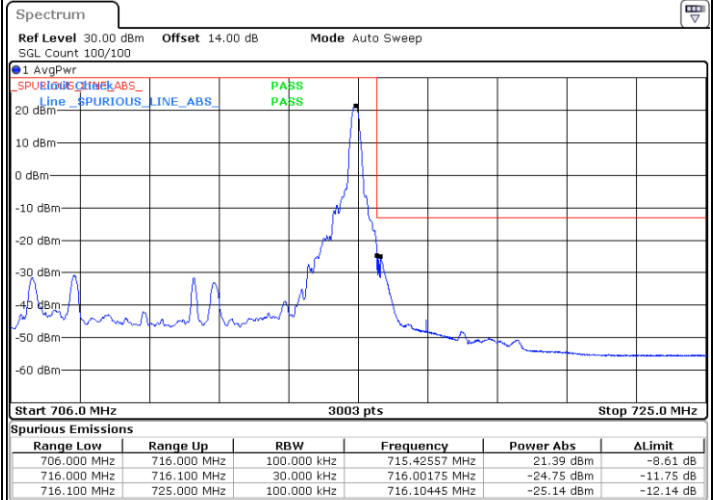


LTE Band 12 / 10MHz / QPSK

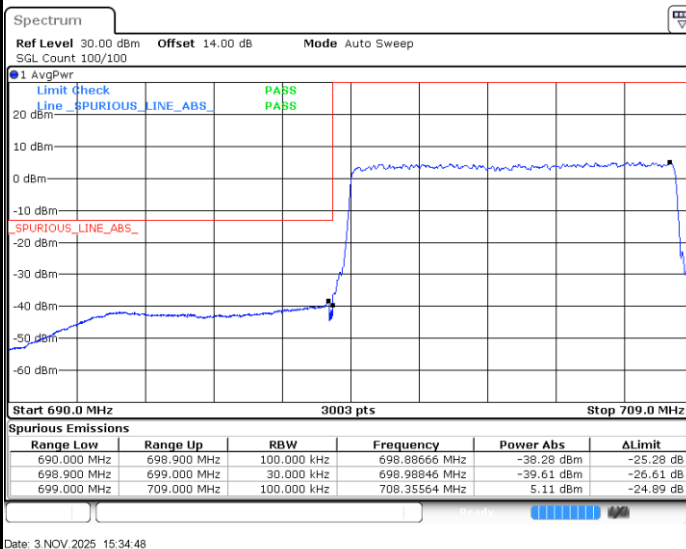
Lowest Band Edge / 1RB



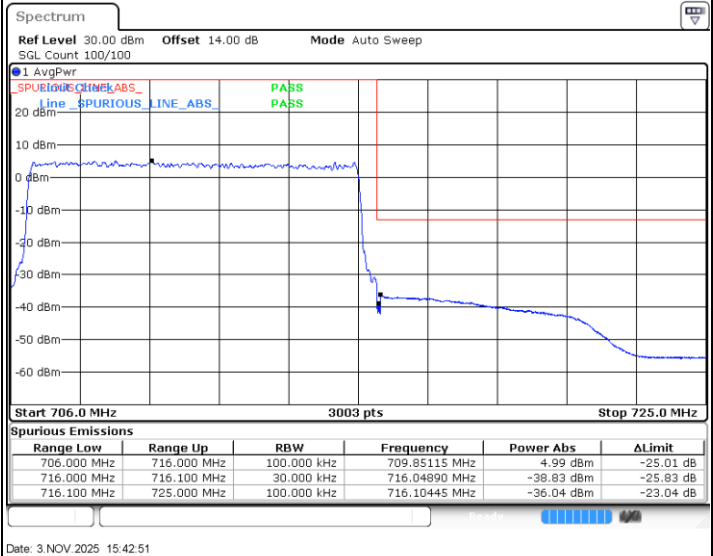
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



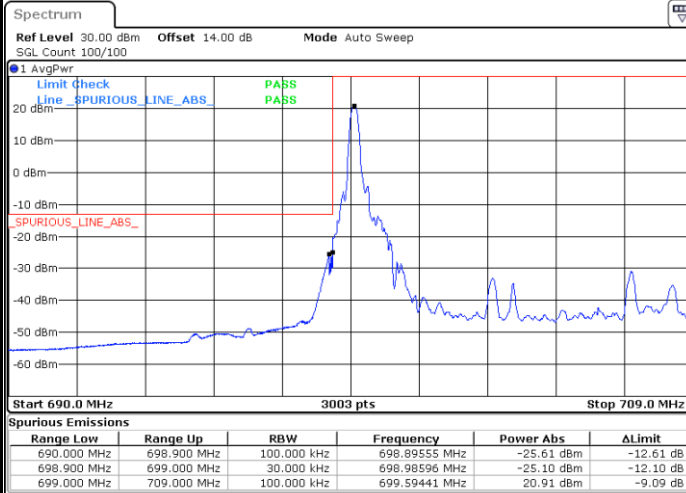
Highest Band Edge / Full RB



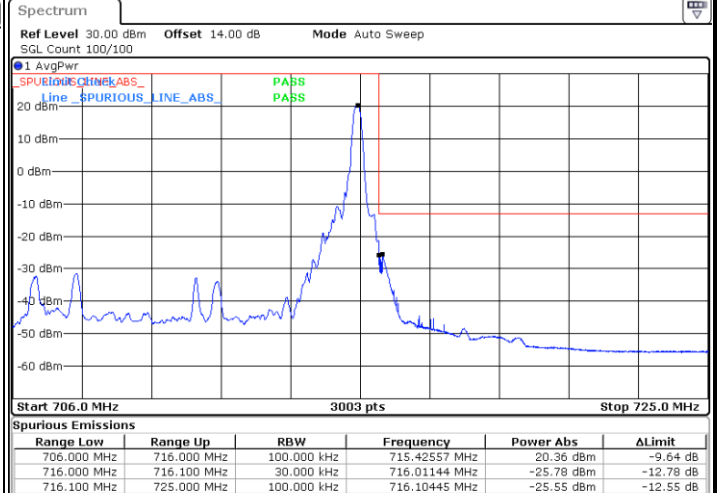


LTE Band 12 / 10MHz / 16QAM

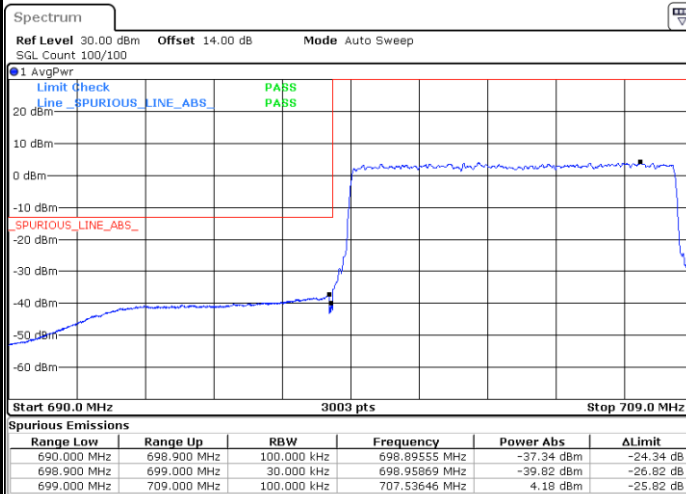
Lowest Band Edge / 1 RB



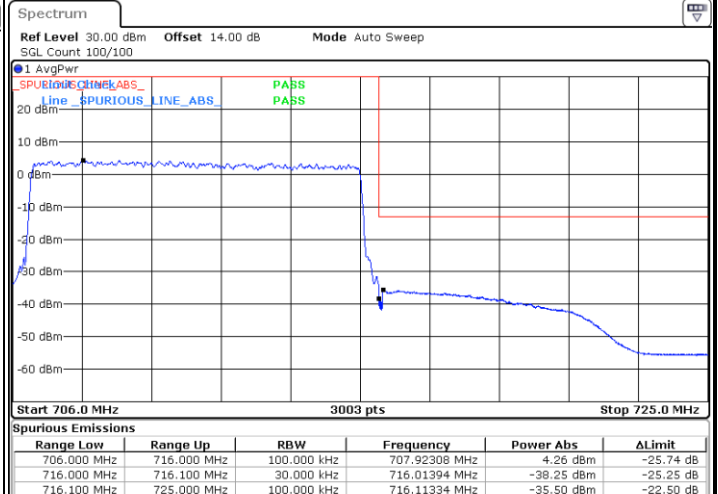
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



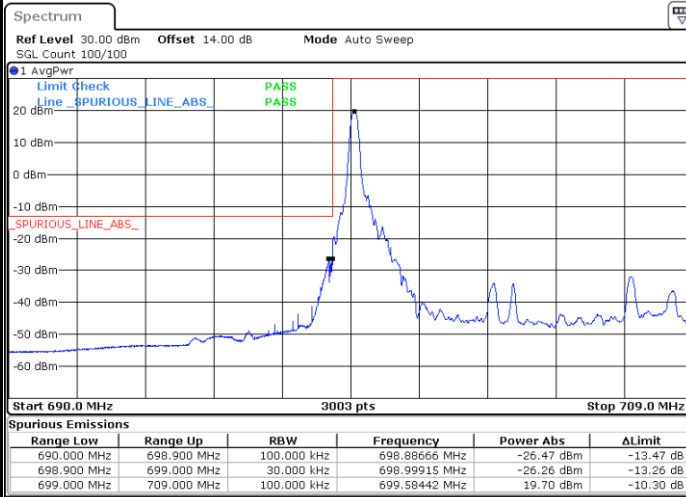
Highest Band Edge / Full RB



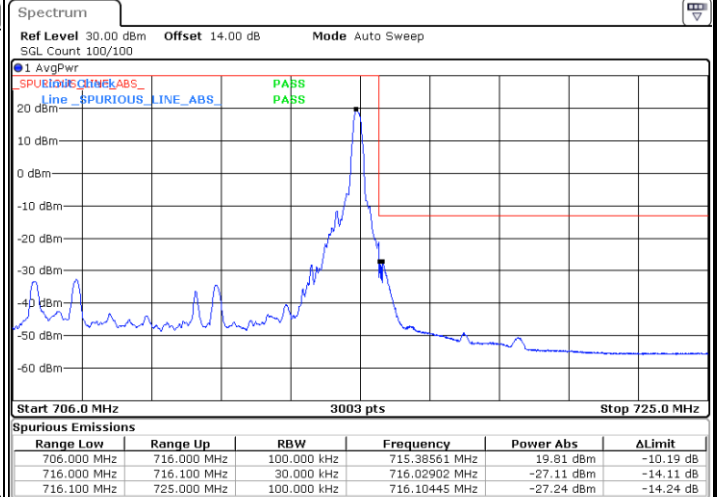


LTE Band 12 / 10MHz / 64QAM

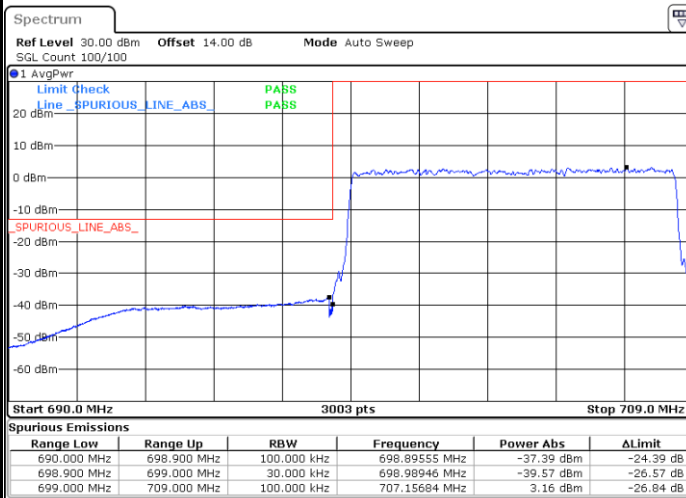
Lowest Band Edge / 1 RB



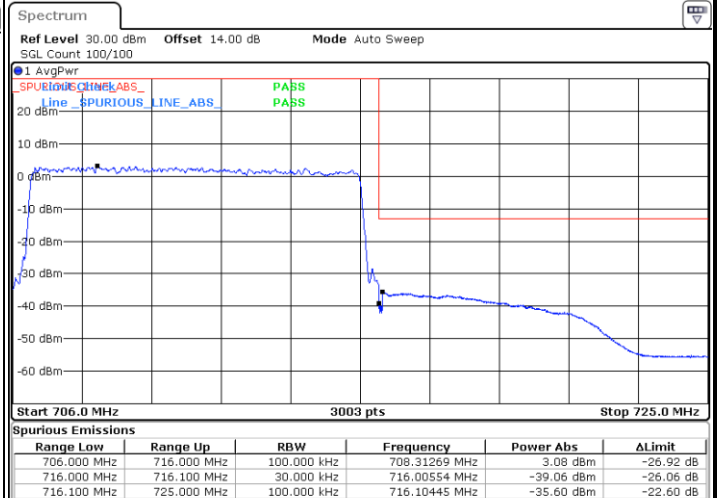
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

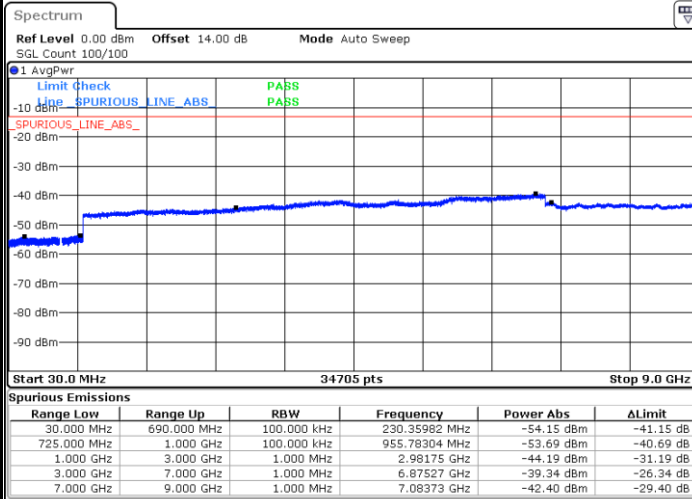




Conducted Spurious Emission

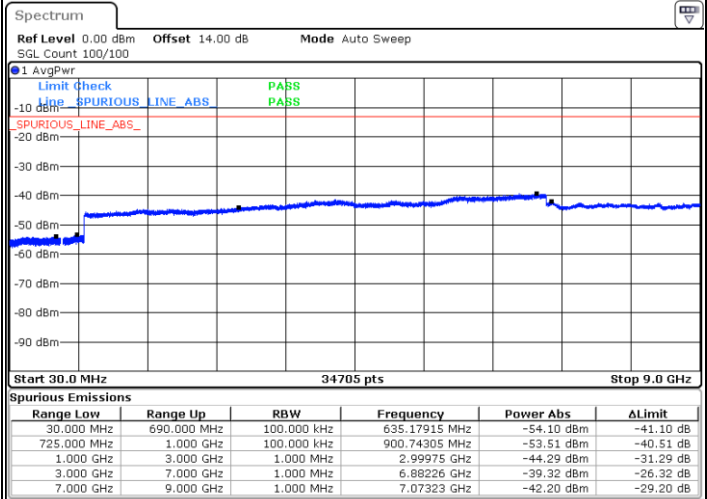
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



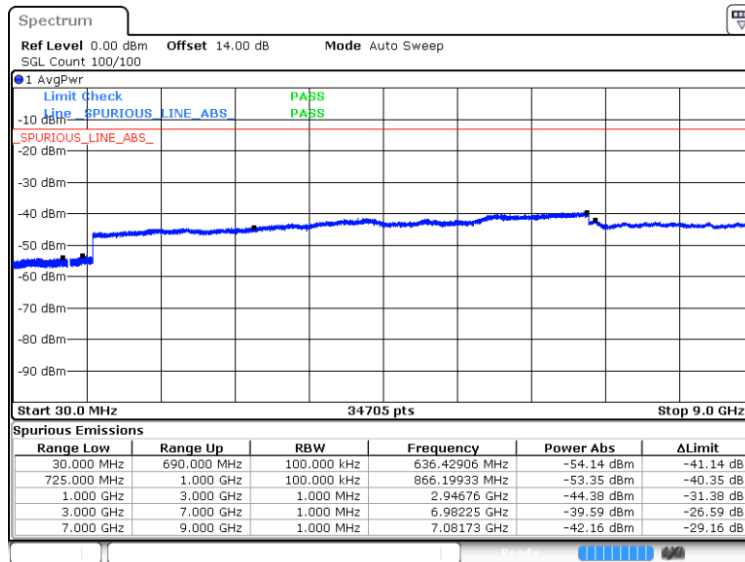
Date: 3 NOV 2025 14:35:30

Middle Channel / QPSK



Date: 3 NOV 2025 14:36:33

Highest Channel / QPSK

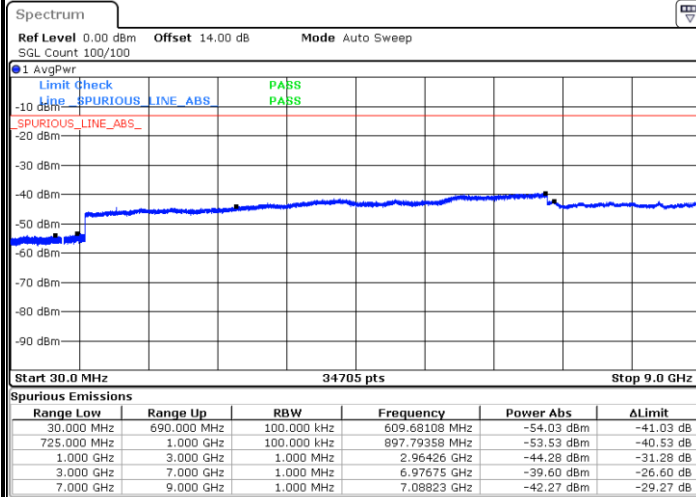


Date: 3 NOV 2025 14:43:29



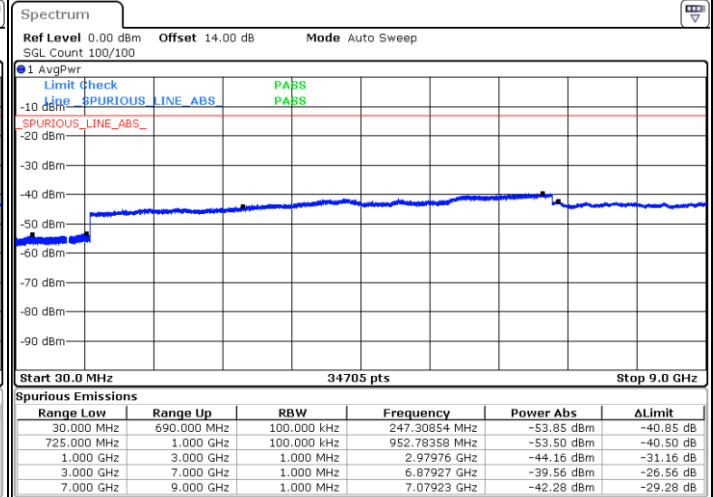
LTE Band 12 / 3MHz

Lowest Channel / QPSK



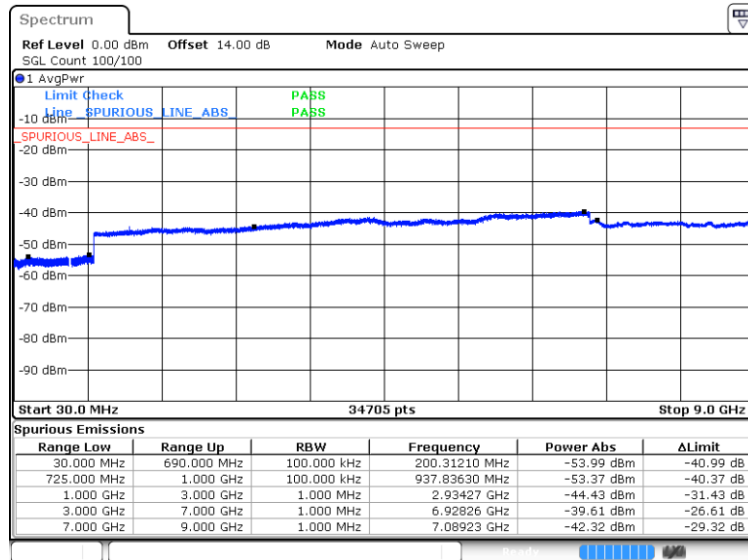
Date: 3.NOV.2025 14:52:32

Middle Channel / QPSK



Date: 3.NOV.2025 14:53:36

Highest Channel / QPSK

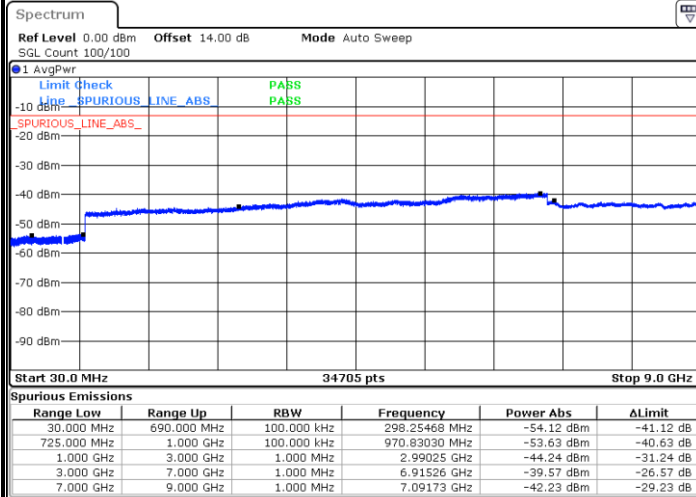


Date: 3.NOV.2025 15:00:33



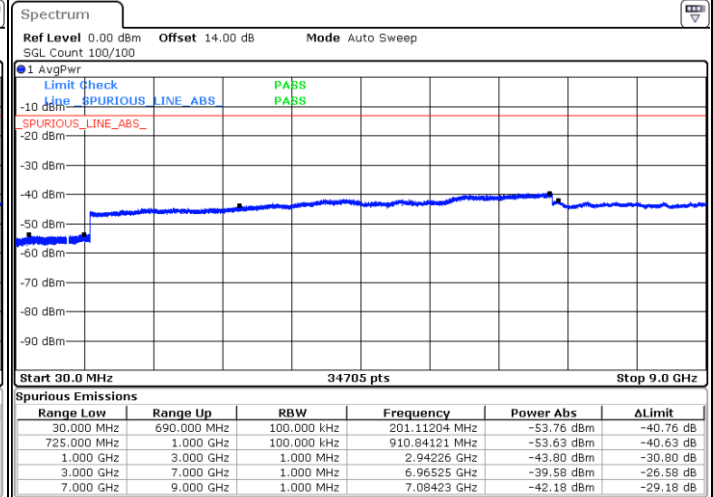
LTE Band 12 / 5MHz

Lowest Channel / QPSK



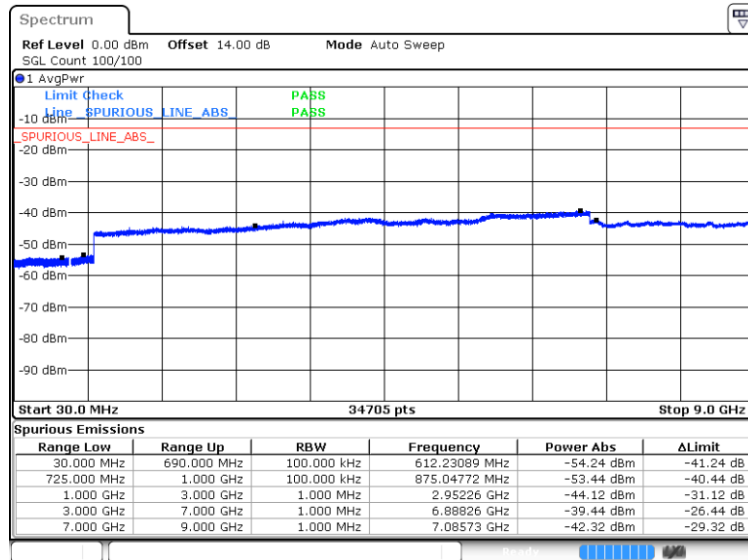
Date: 3.NOV.2025 15:23:00

Middle Channel / QPSK



Date: 3.NOV.2025 15:24:04

Highest Channel / QPSK

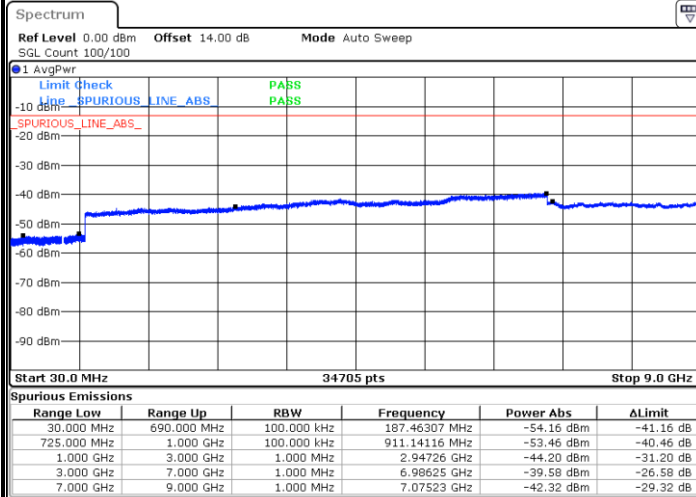


Date: 3.NOV.2025 15:31:00



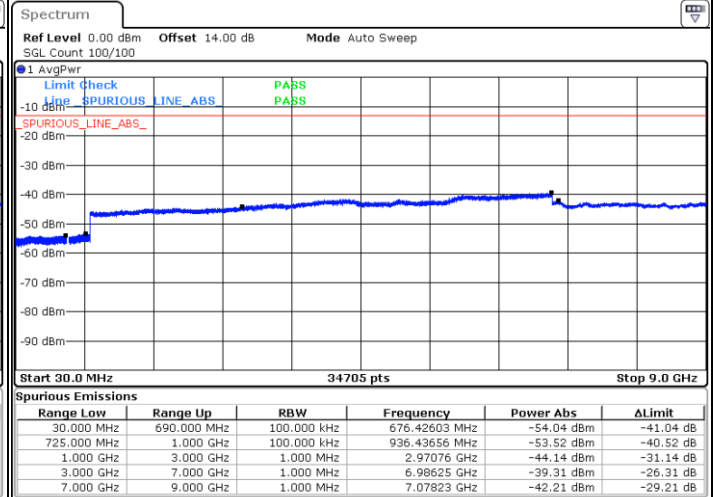
LTE Band 12 / 10MHz

Lowest Channel / QPSK



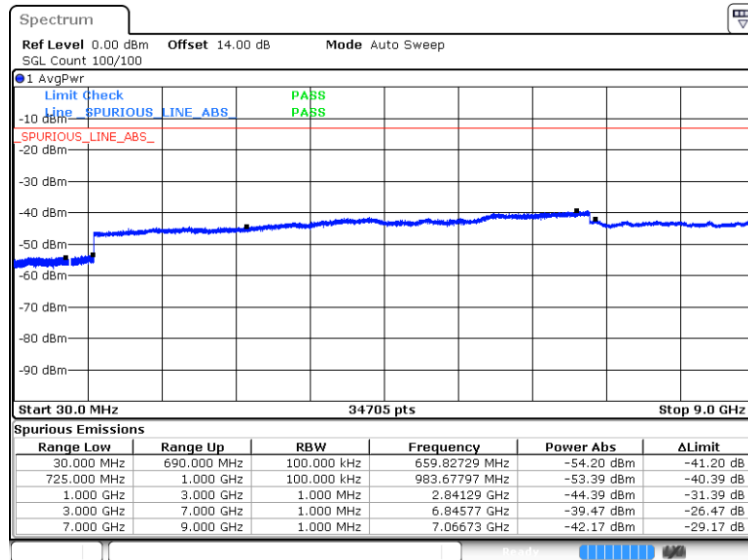
Date: 3.NOV.2025 15:37:25

Middle Channel / QPSK



Date: 3.NOV.2025 15:38:29

Highest Channel / QPSK



Date: 3.NOV.2025 15:45:27

**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	0.0001	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0078	
0	Normal Voltage	0.0065	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0057	

Note:

1. Normal Voltage = 3.91 V.; Battery End Point (BEP) = 3.4 V.; Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

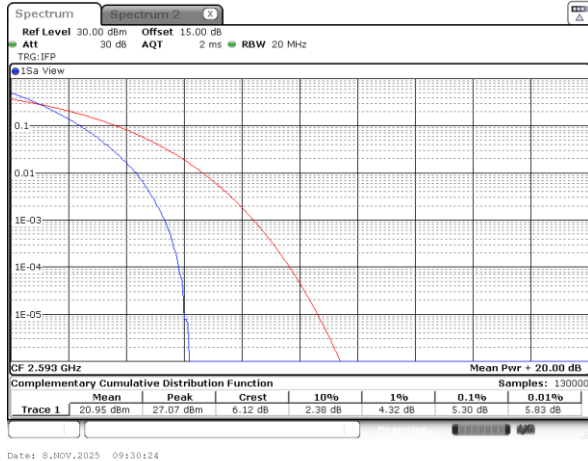
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.30	6.20	6.43	PASS



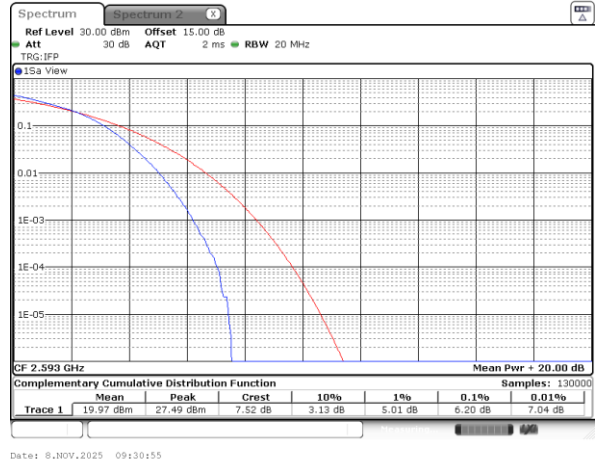
LTE Band 41 / 20MHz / QPSK

Middle Channel / Full RB



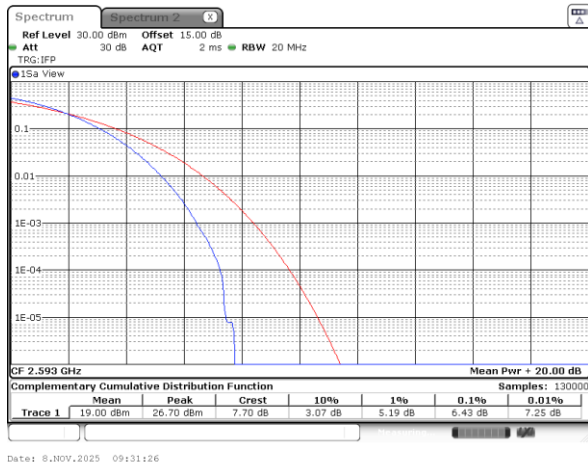
LTE Band 41 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB





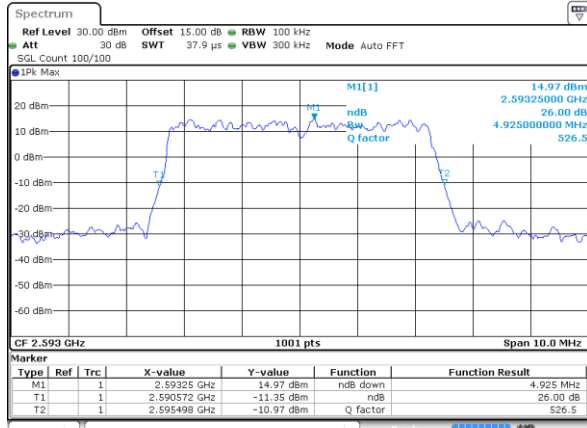
26dB Bandwidth

Mode	LTE Band 41 : 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	-	-	-	-	4.93	4.83	9.65	9.67	14.09	14.42	18.62	19.02



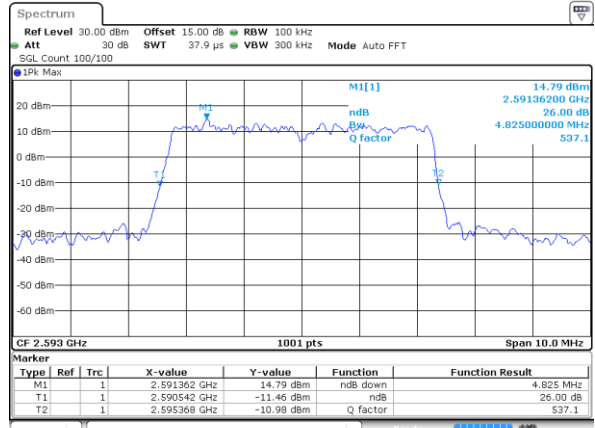
LTE Band 41

Middle Channel / 5MHz / QPSK



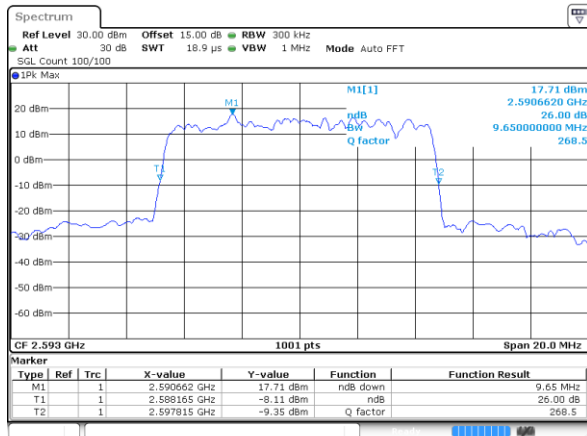
Date: 3 NOV 2025 10:50:23

Middle Channel / 5MHz / 16QAM



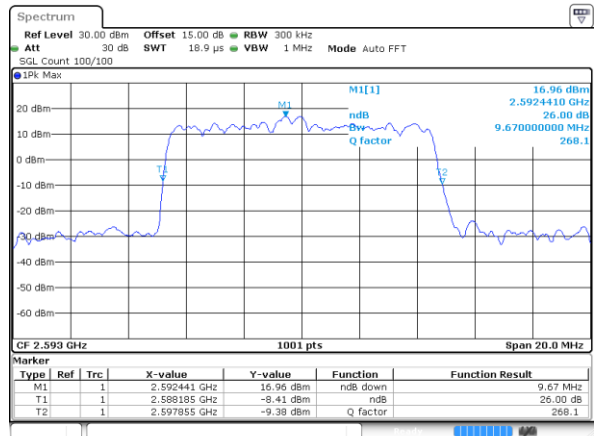
Date: 3 NOV 2025 10:51:02

Middle Channel / 10MHz / QPSK



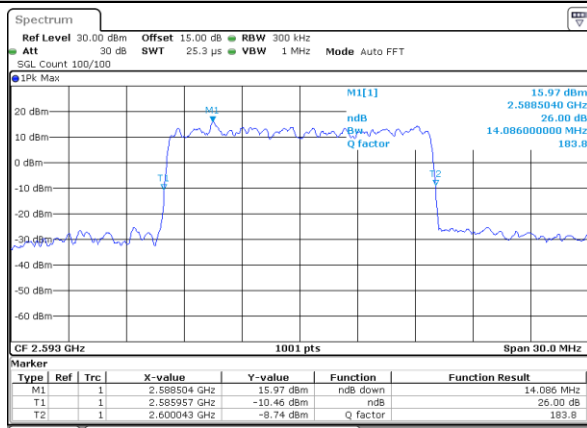
Date: 3 NOV 2025 11:07:57

Middle Channel / 10MHz / 16QAM



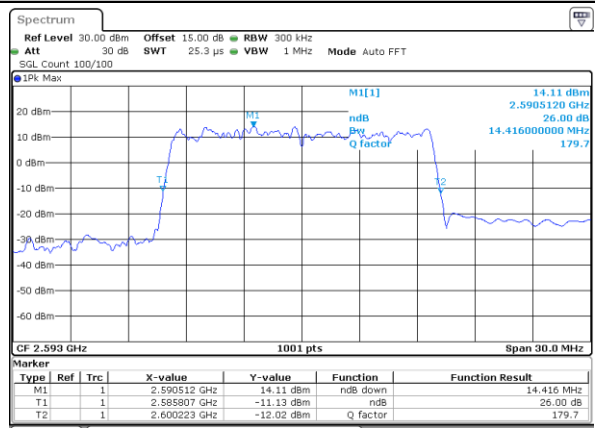
Date: 3 NOV 2025 11:08:36

Middle Channel / 15MHz / QPSK



Date: 3 NOV 2025 11:24:16

Middle Channel / 15MHz / 16QAM

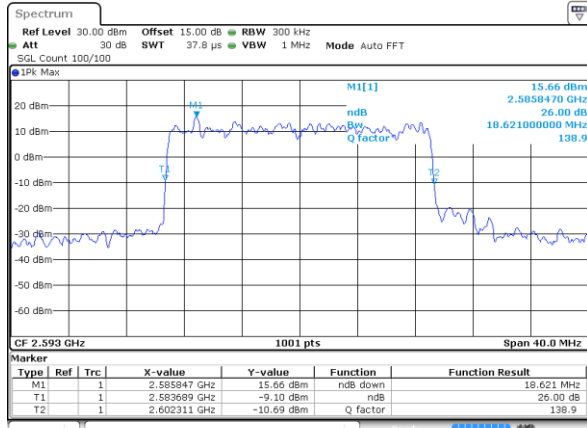


Date: 3 NOV 2025 11:24:55



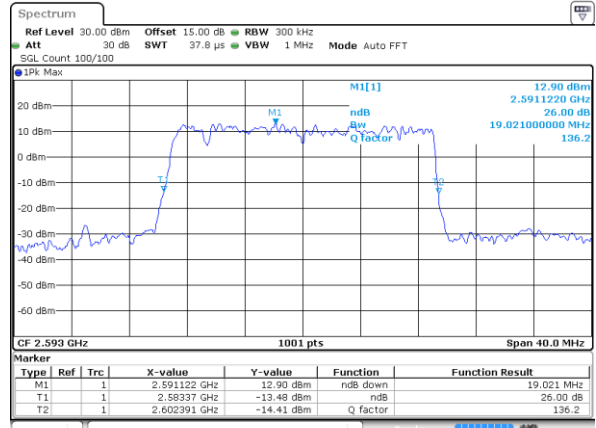
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 3.NOV.2025 11:41:29

Middle Channel / 20MHz / 16QAM



Date: 3.NOV.2025 11:42:08



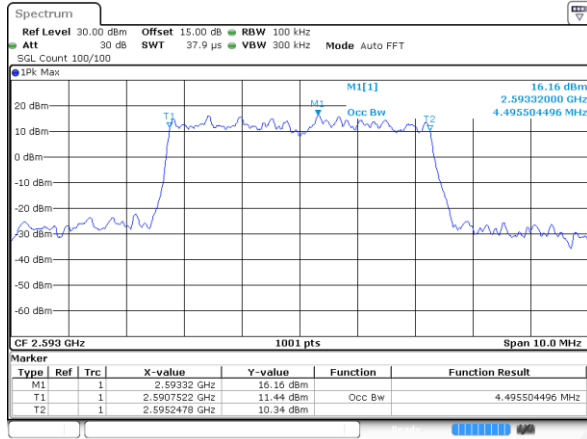
Occupied Bandwidth

Mode	LTE Band 41 : 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	-	-	-	-	4.50	4.49	9.07	8.97	13.46	13.37	17.98	17.82



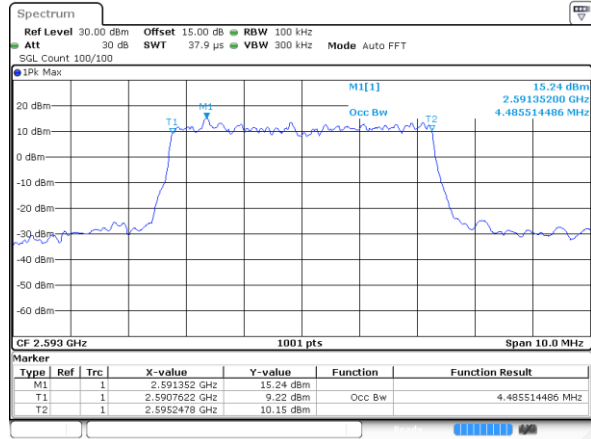
LTE Band 41

Middle Channel / 5MHz / QPSK



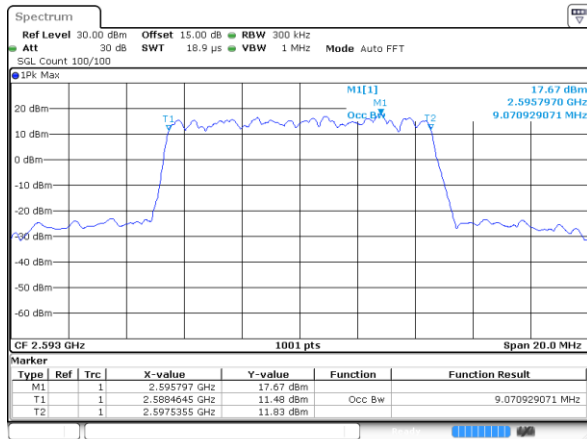
Date: 3 NOV 2025 10:50:09

Middle Channel / 5MHz / 16QAM



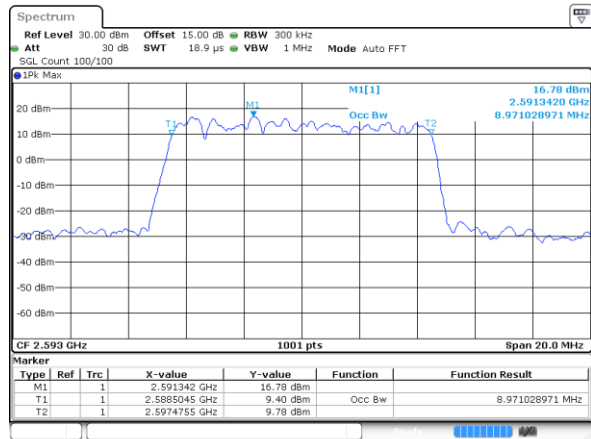
Date: 3 NOV 2025 10:50:48

Middle Channel / 10MHz / QPSK



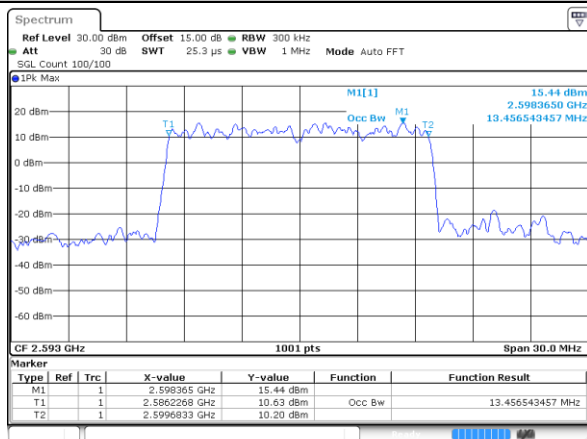
Date: 3 NOV 2025 11:07:43

Middle Channel / 10MHz / 16QAM



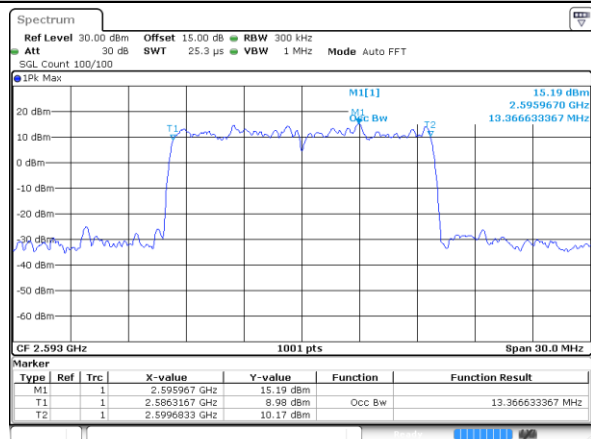
Date: 3 NOV 2025 11:08:22

Middle Channel / 15MHz / QPSK



Date: 3 NOV 2025 11:24:02

Middle Channel / 15MHz / 16QAM

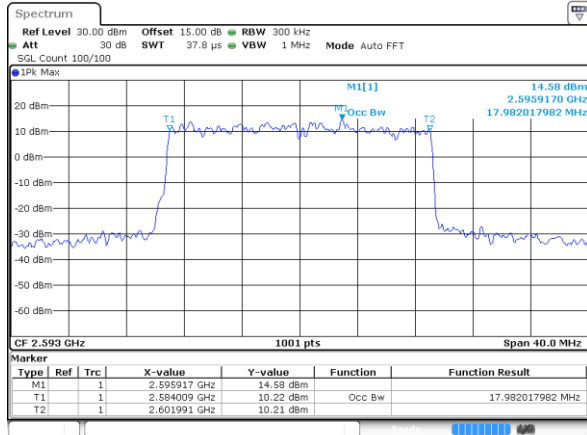


Date: 3 NOV 2025 11:24:41



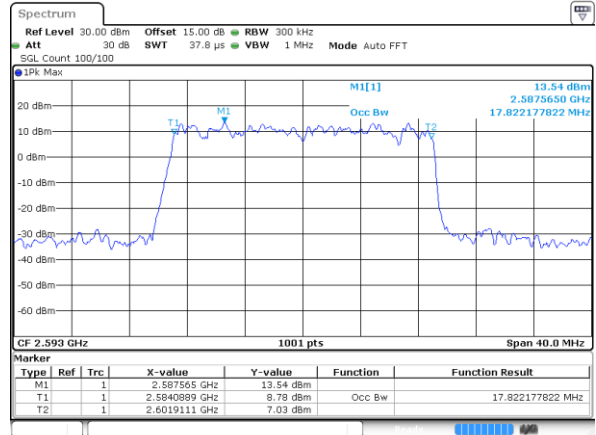
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 3.NOV.2025 11:41:15

Middle Channel / 20MHz / 16QAM



Date: 3.NOV.2025 11:41:54