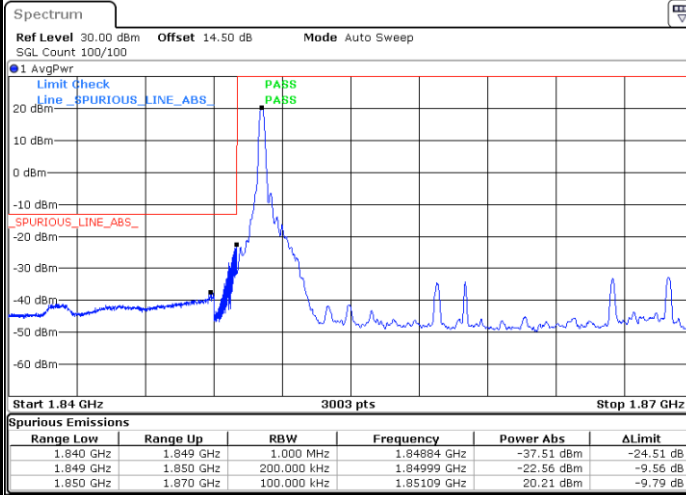


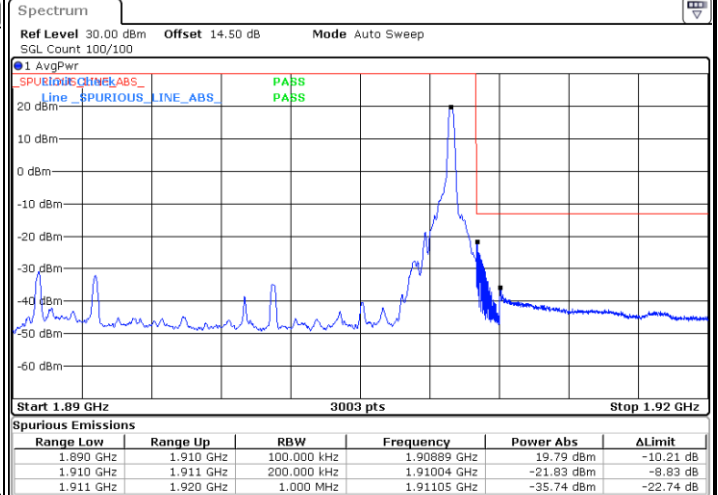


LTE Band 2 / 20MHz / 16QAM

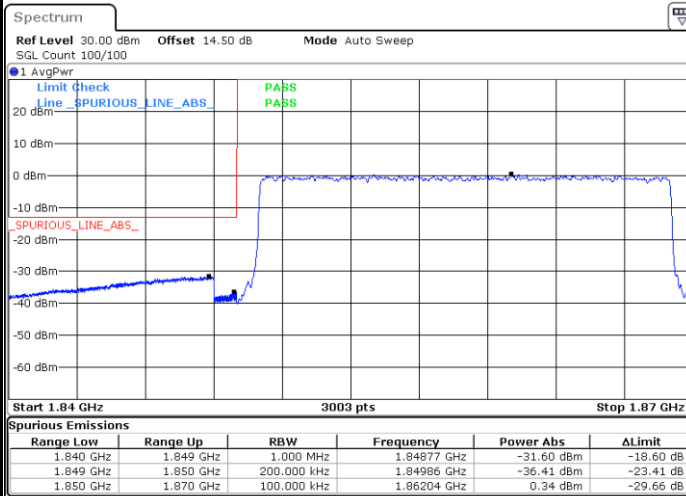
Lowest Band Edge / 1 RB



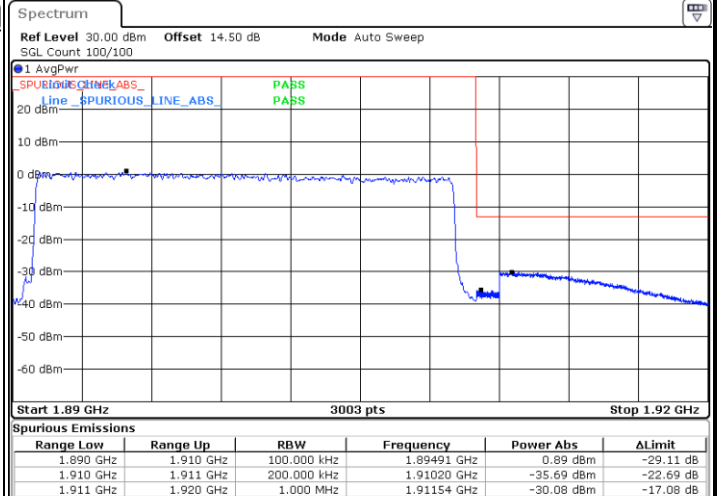
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



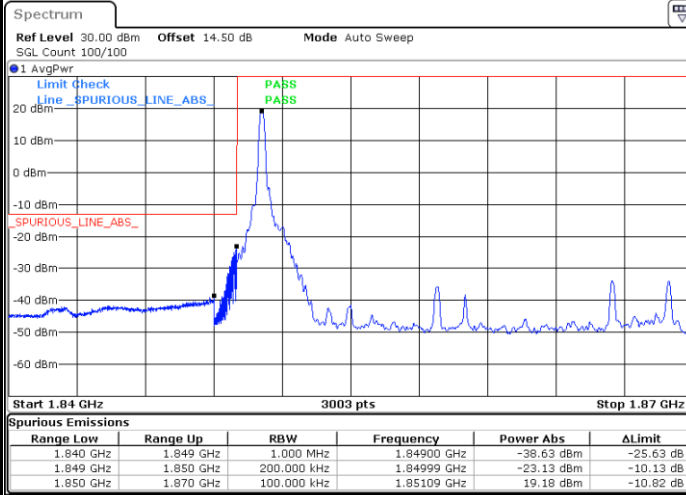
Highest Band Edge / Full RB



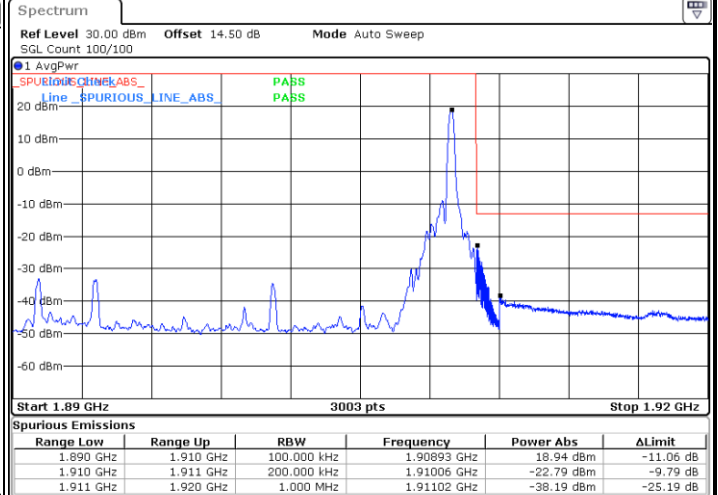


LTE Band 2 / 20MHz / 64QAM

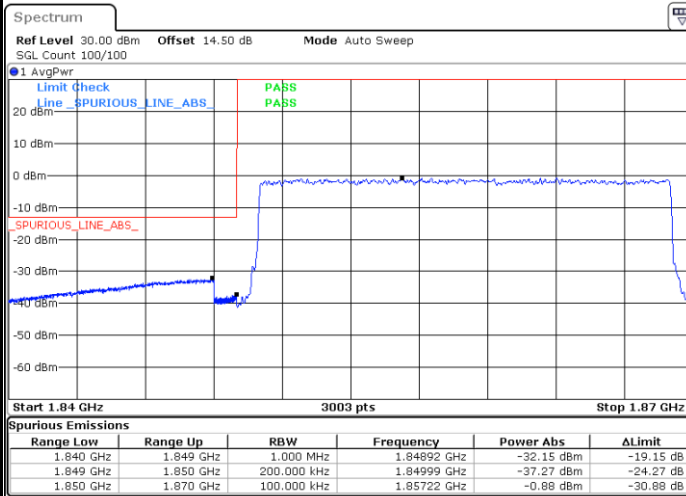
Lowest Band Edge / 1 RB



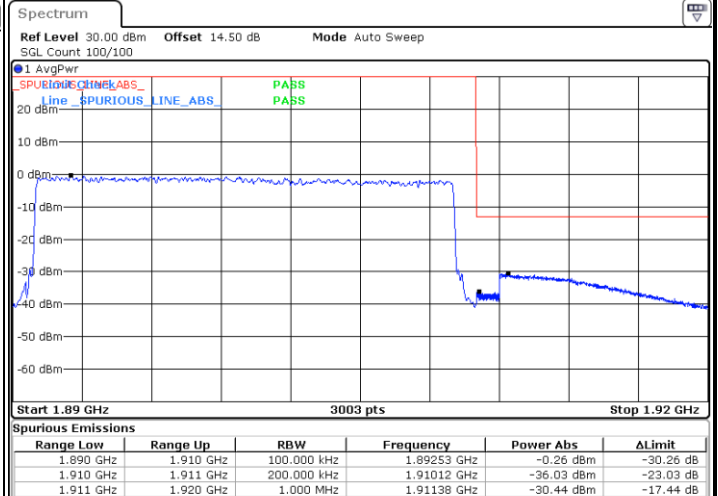
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

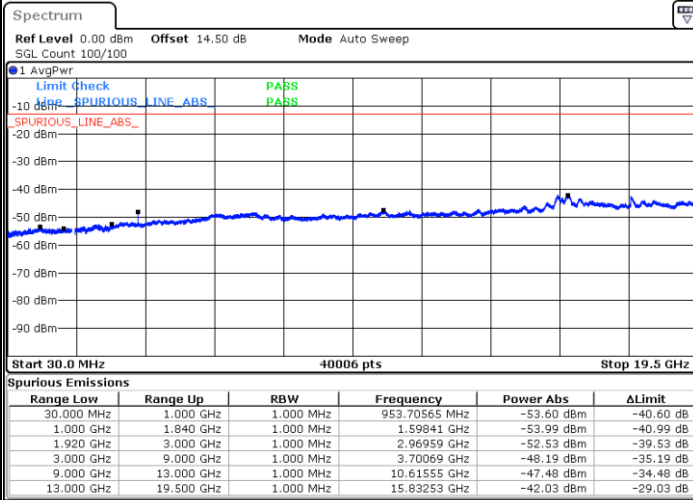




Conducted Spurious Emission

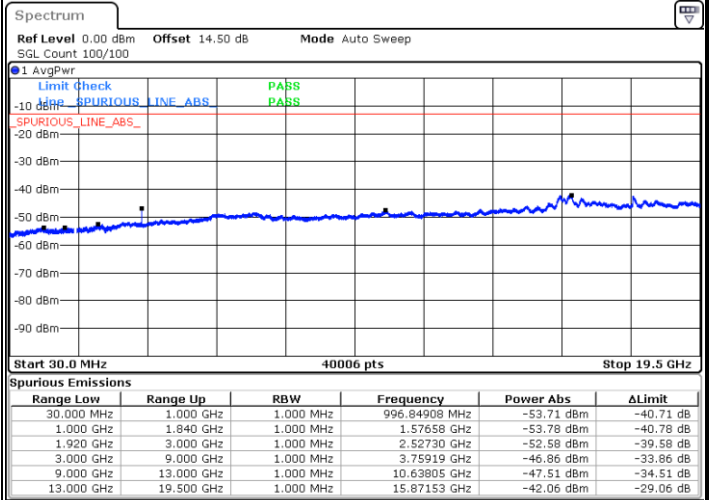
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK



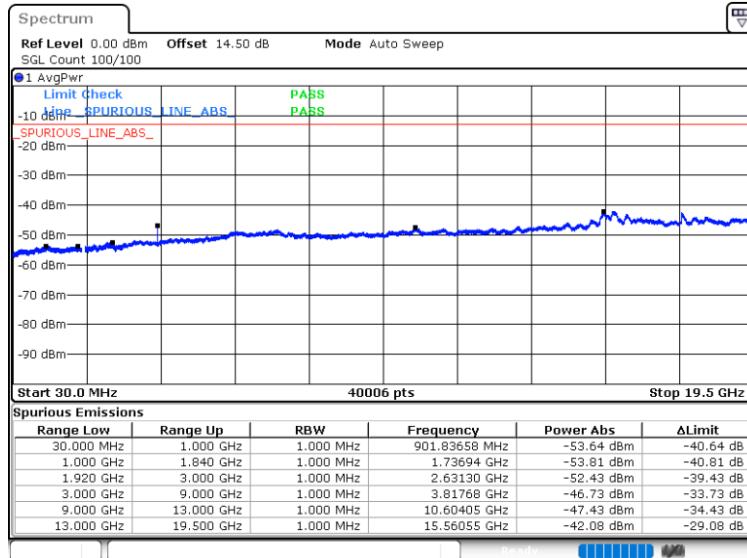
Date: 6.FEB.2025 08:56:09

Middle Channel / QPSK



Date: 6.FEB.2025 08:59:55

Highest Channel / QPSK



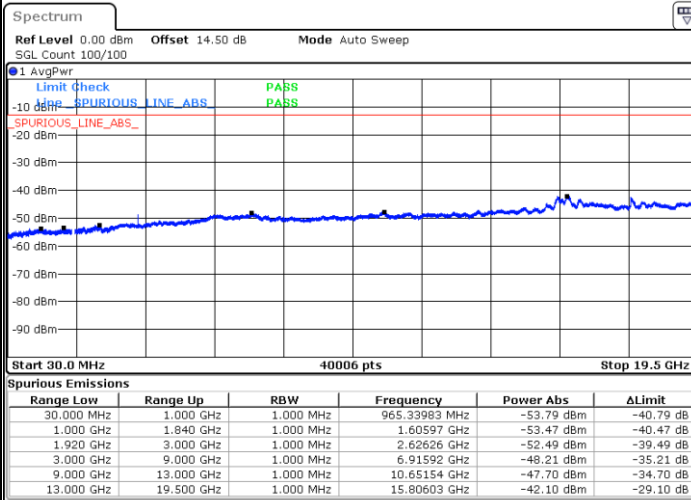
Date: 6.FEB.2025 09:04:01



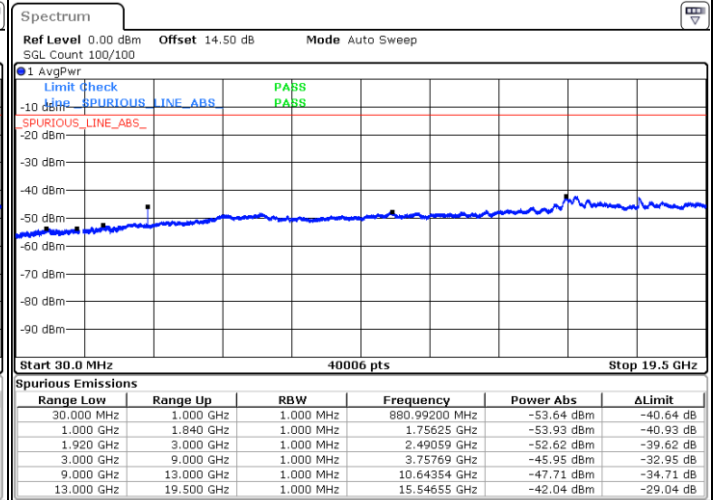
LTE Band 2 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

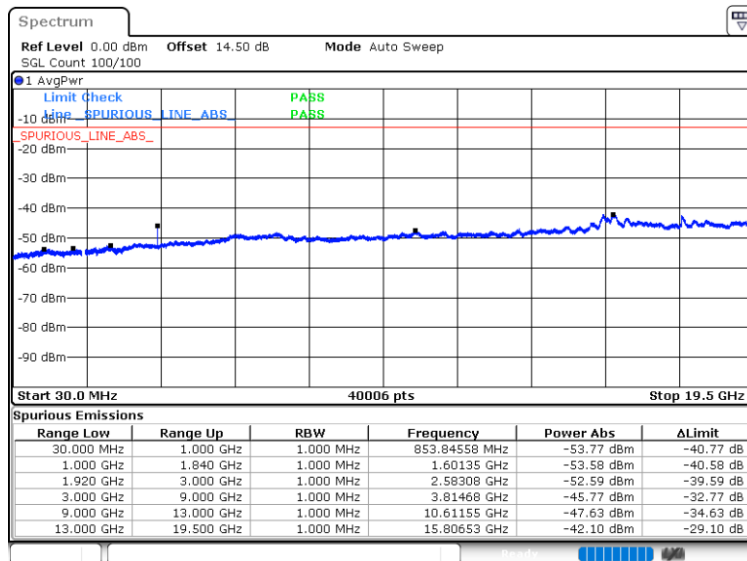


Date: 6.FEB.2025 09:48:34



Date: 6.FEB.2025 09:51:21

Highest Channel / QPSK

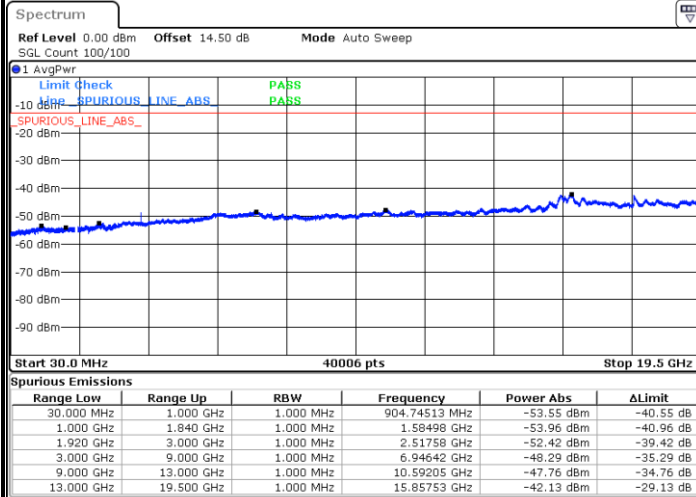


Date: 6.FEB.2025 09:57:14



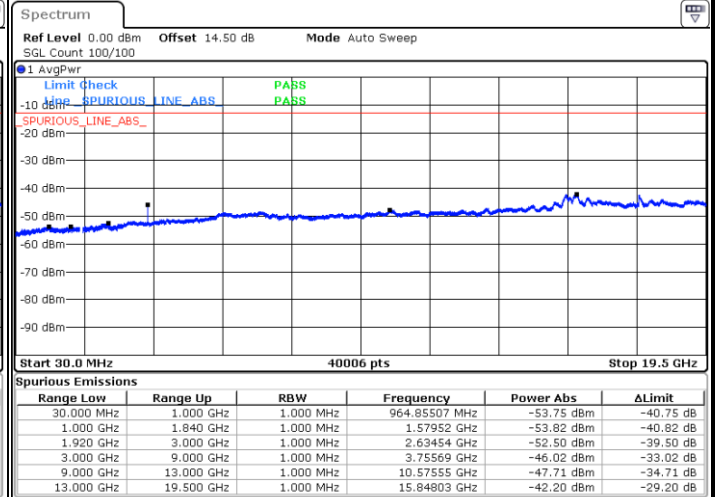
LTE Band 2 / 5MHz

Lowest Channel / QPSK



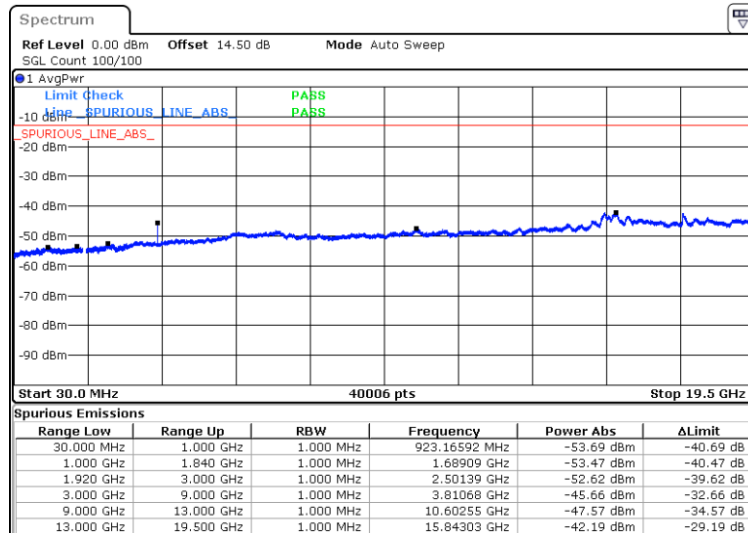
Date: 6.FEB.2025 10:06:51

Middle Channel / QPSK



Date: 6.FEB.2025 10:09:38

Highest Channel / QPSK

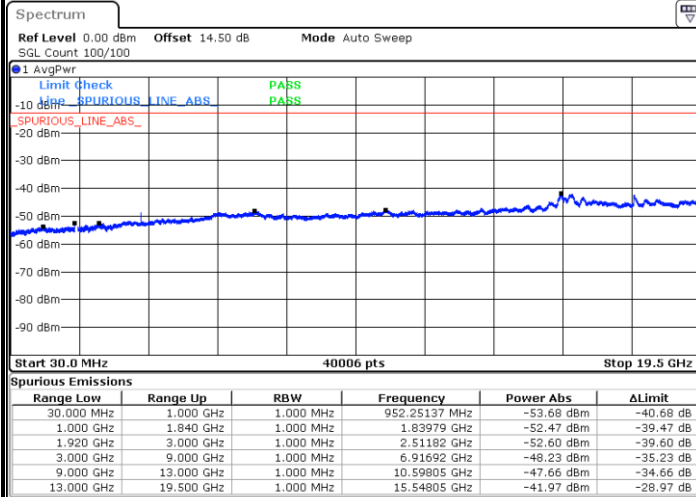


Date: 6.FEB.2025 10:15:08



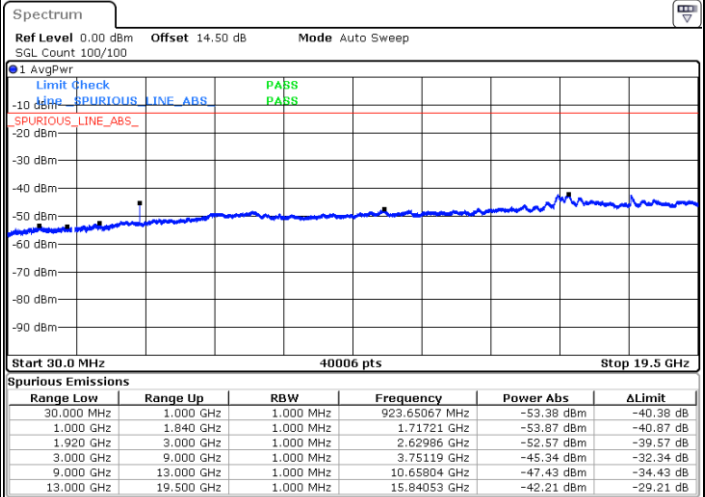
LTE Band 2 / 10MHz

Lowest Channel / QPSK



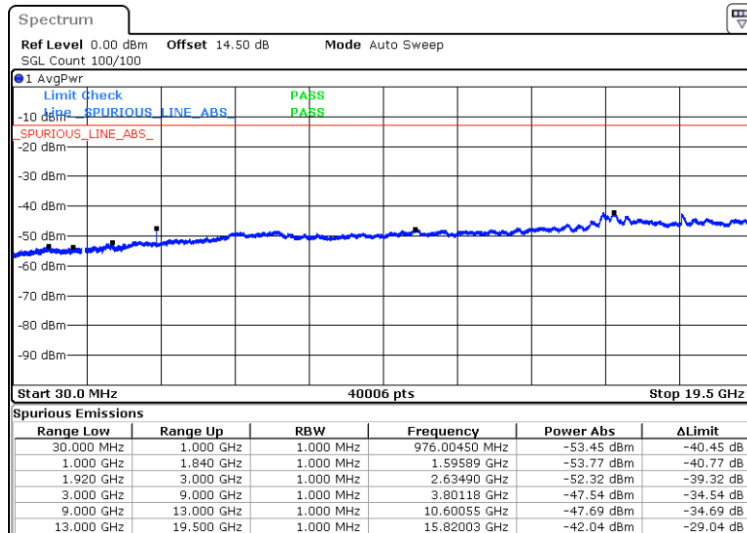
Date: 6.FEB.2025 10:22:04

Middle Channel / QPSK



Date: 6.FEB.2025 10:23:04

Highest Channel / QPSK

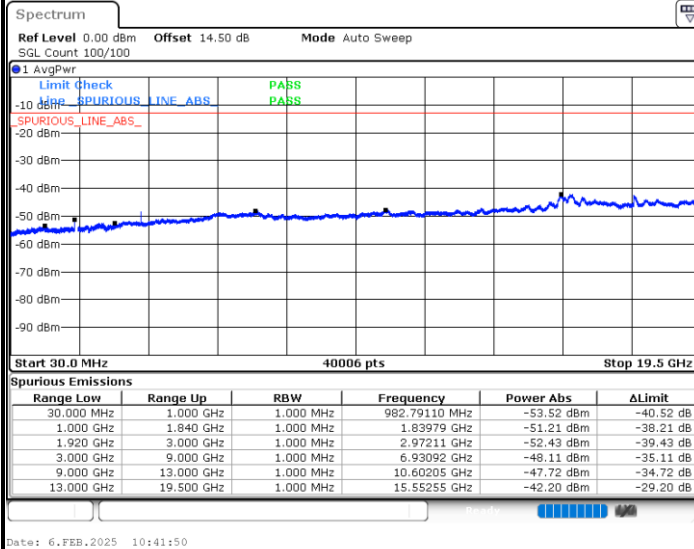


Date: 6.FEB.2025 10:36:21

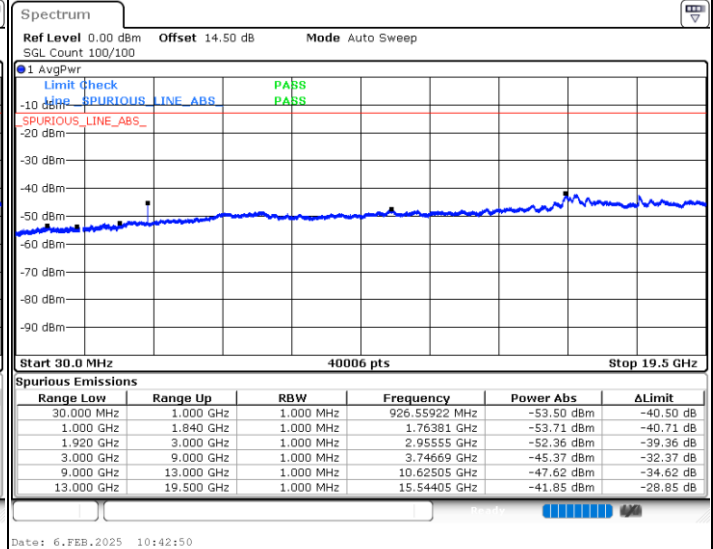


LTE Band 2 / 15MHz

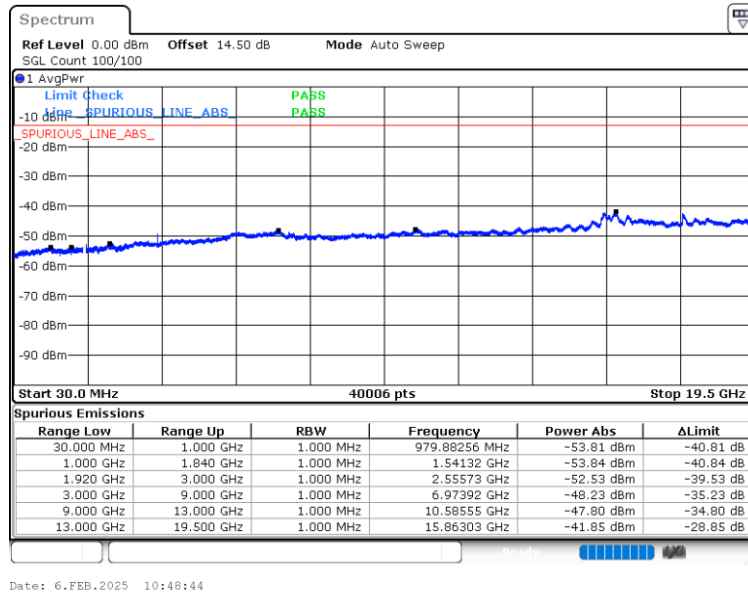
Lowest Channel / QPSK



Middle Channel / QPSK



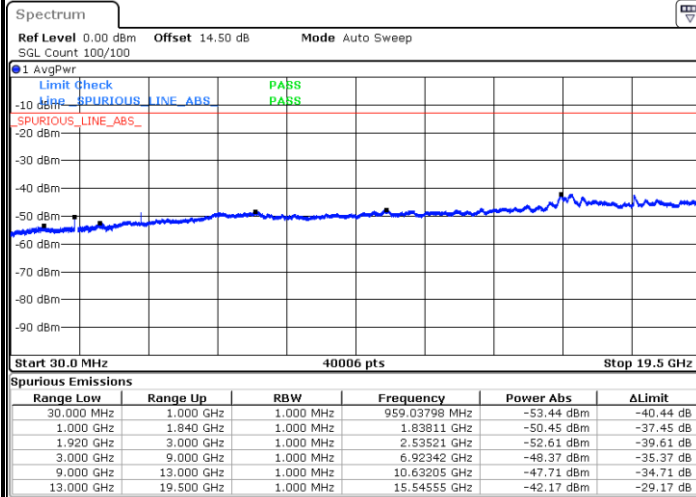
Highest Channel / QPSK





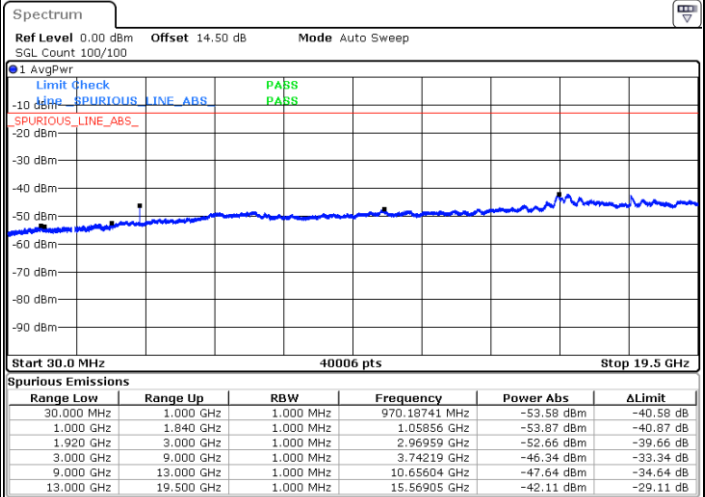
LTE Band 2 / 20MHz

Lowest Channel / QPSK



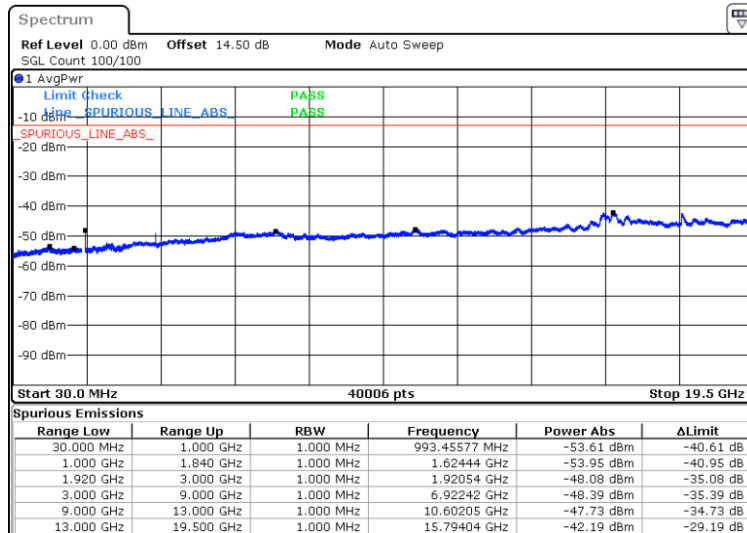
Date: 6.FEB.2025 11:01:56

Middle Channel / QPSK



Date: 6.FEB.2025 11:02:55

Highest Channel / QPSK



Date: 6.FEB.2025 11:10:09

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.92 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.53 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

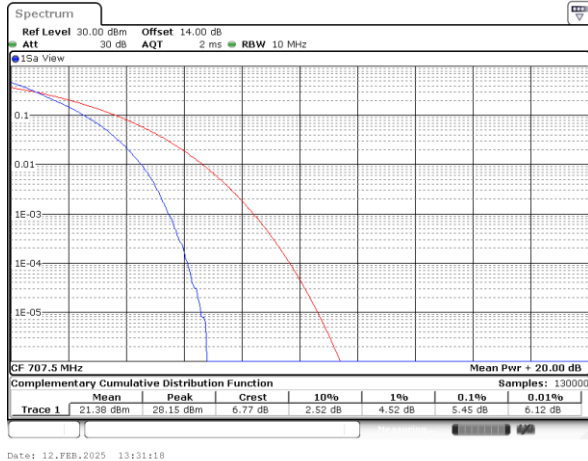
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.45	6.55	6.75	PASS



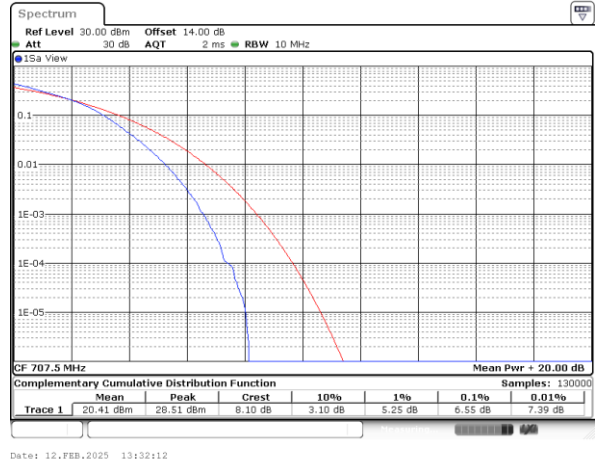
LTE Band 12 / 10MHz / QPSK

Middle Channel / Full RB



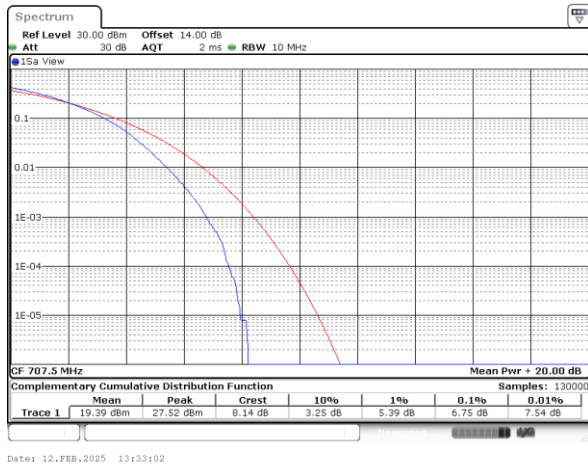
LTE Band 12 / 10MHz / 16QAM

Middle Channel / Full RB



LTE Band 12 / 10MHz / 64QAM

Middle Channel / Full RB





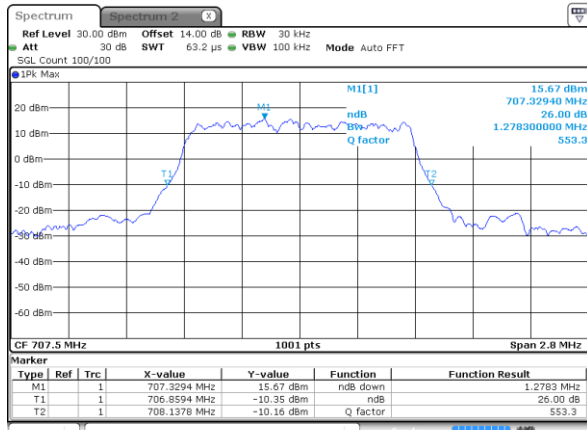
26dB Bandwidth

Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.28	1.28	3.02	2.96	4.90	4.86	9.75	9.73	-	-	-	-



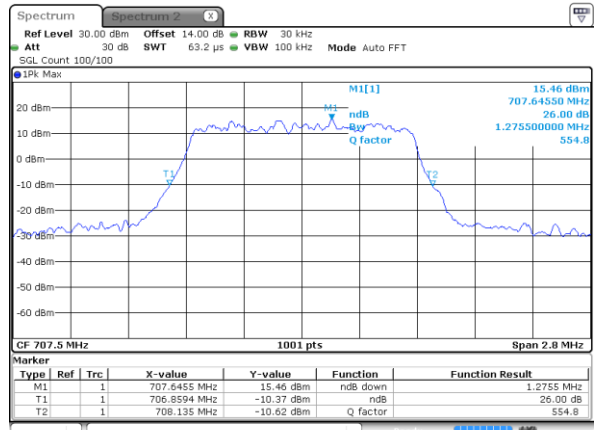
LTE Band 12

Middle Channel / 1.4MHz / QPSK



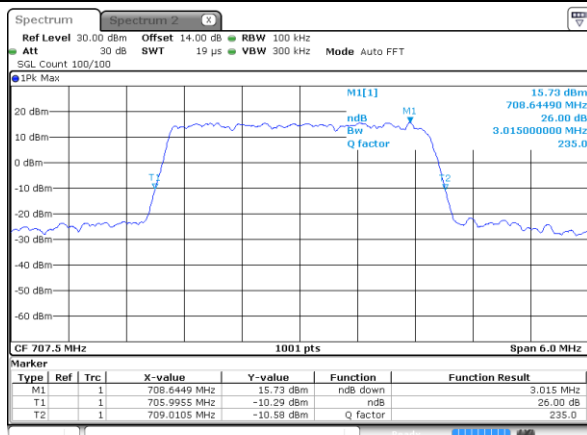
Date: 6 FEB 2025 17:52:46

Middle Channel / 1.4MHz / 16QAM



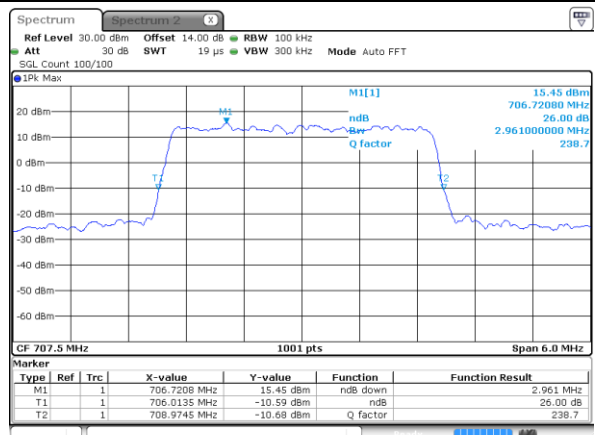
Date: 6 FEB 2025 17:53:25

Middle Channel / 3MHz / QPSK



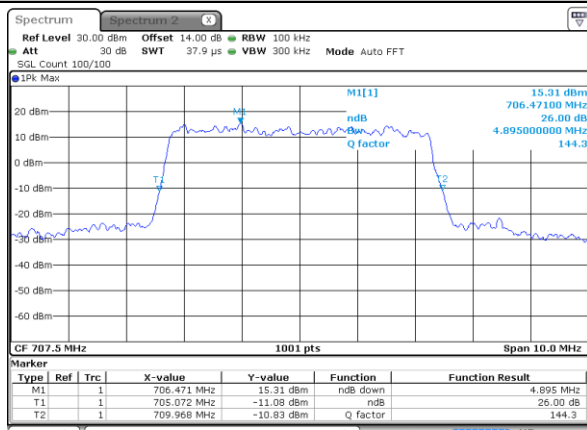
Date: 6 FEB 2025 18:06:57

Middle Channel / 3MHz / 16QAM



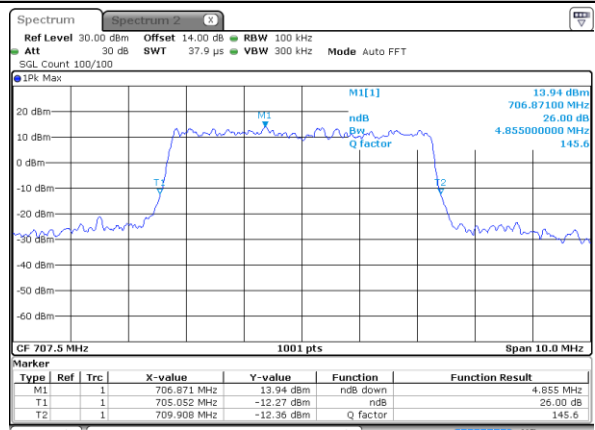
Date: 6 FEB 2025 18:07:37

Middle Channel / 5MHz / QPSK



Date: 6 FEB 2025 18:21:09

Middle Channel / 5MHz / 16QAM

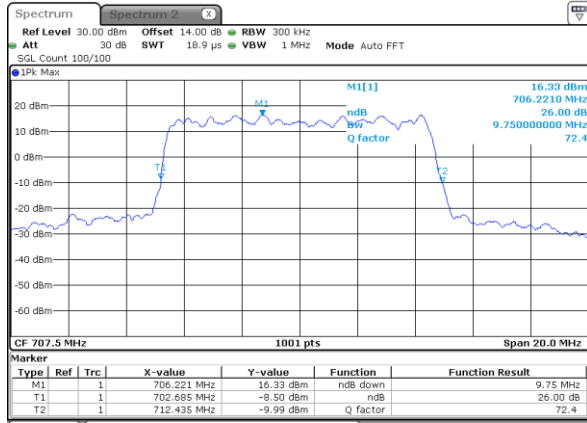


Date: 6 FEB 2025 18:21:49



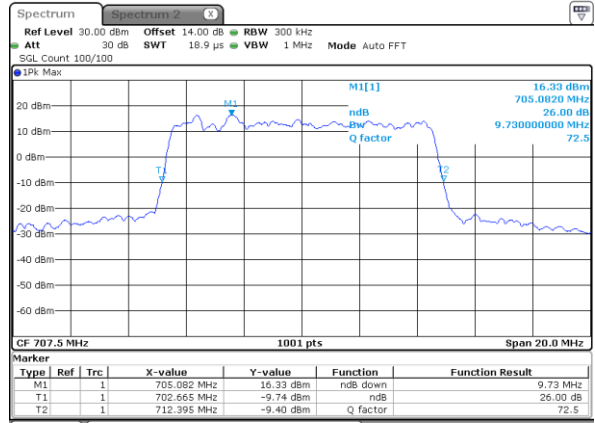
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 6 FEB 2025 18:35:23

Middle Channel / 10MHz / 16QAM



Date: 6 FEB 2025 18:36:03



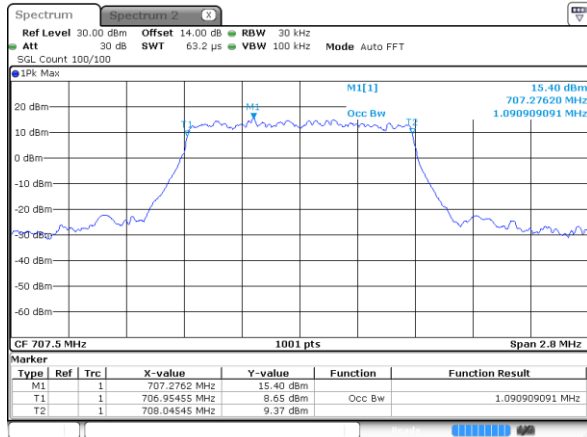
Occupied Bandwidth

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	1.10	2.71	2.70	4.49	4.50	9.13	9.03	-	-	-	-



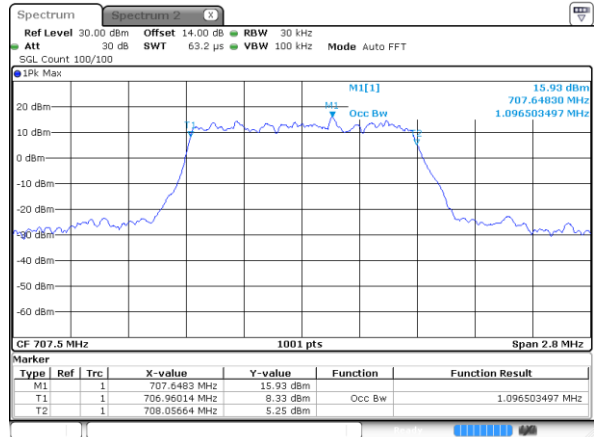
LTE Band 12

Middle Channel / 1.4MHz / QPSK



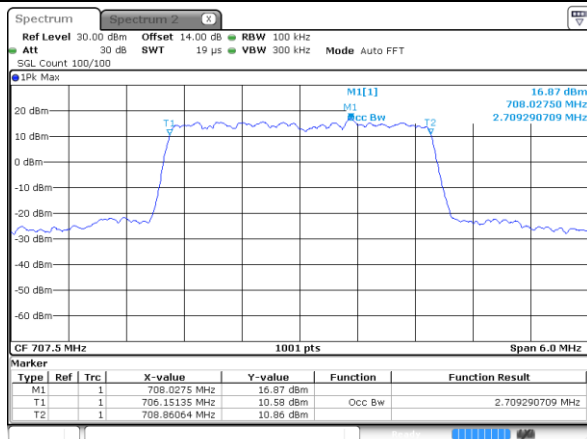
Date: 6 FEB 2025 17:52:32

Middle Channel / 1.4MHz / 16QAM



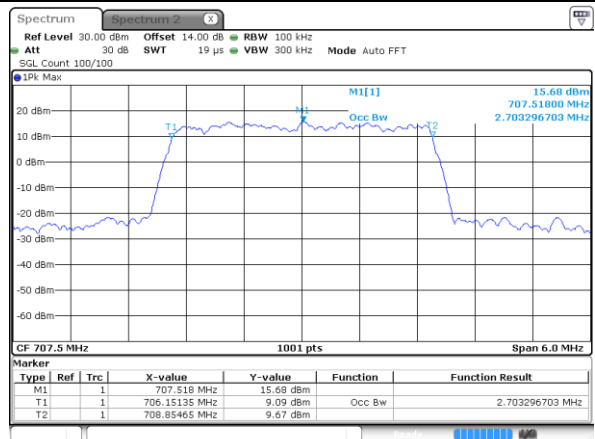
Date: 6 FEB 2025 17:53:11

Middle Channel / 3MHz / QPSK



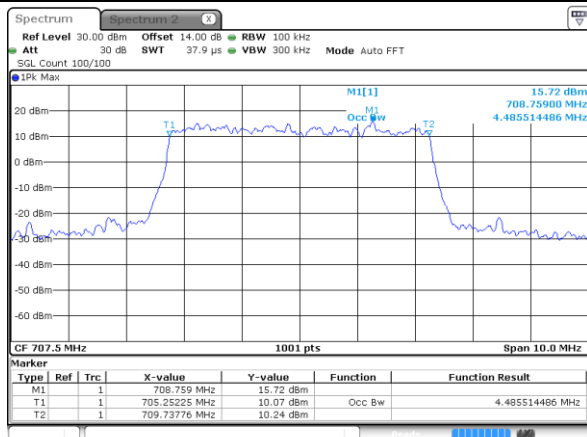
Date: 6 FEB 2025 18:06:43

Middle Channel / 3MHz / 16QAM



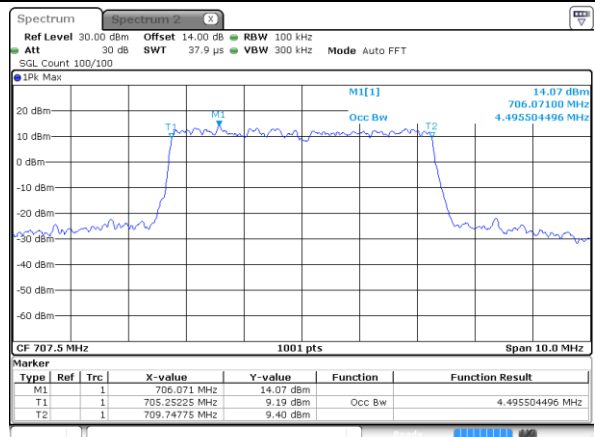
Date: 6 FEB 2025 18:07:23

Middle Channel / 5MHz / QPSK



Date: 6 FEB 2025 18:20:55

Middle Channel / 5MHz / 16QAM

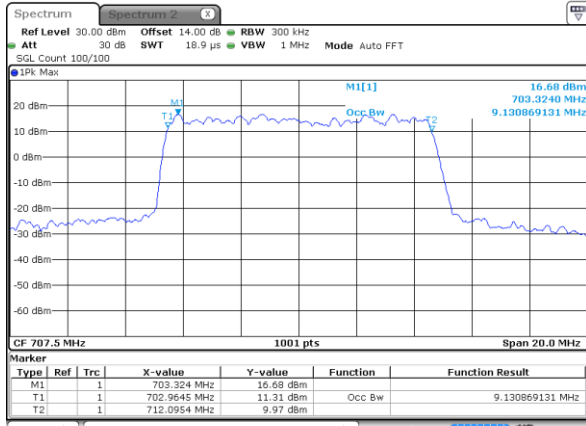


Date: 6 FEB 2025 18:21:35



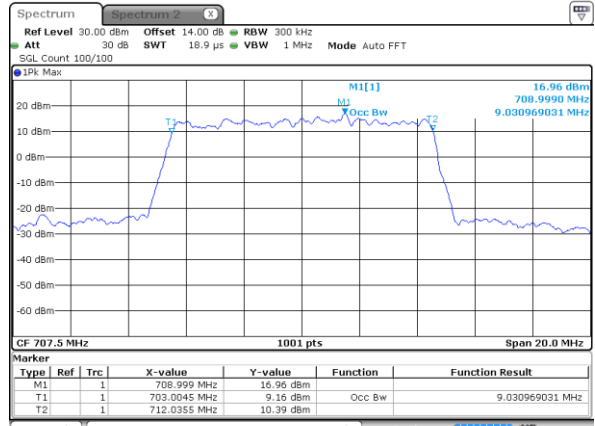
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 6 FEB 2025 18:35:09

Middle Channel / 10MHz / 16QAM



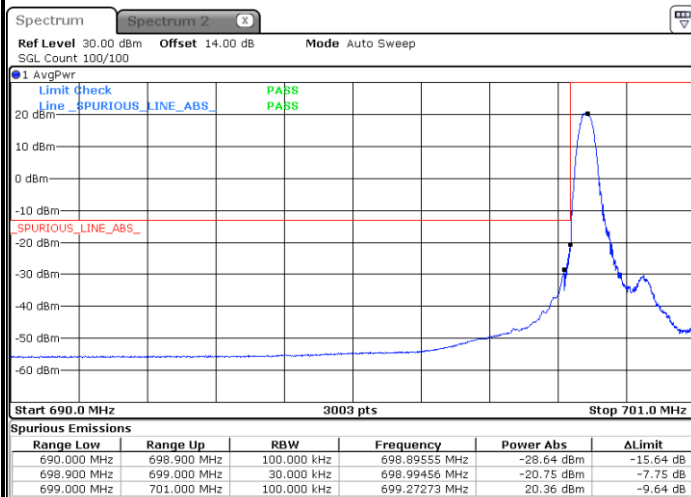
Date: 6 FEB 2025 18:35:49



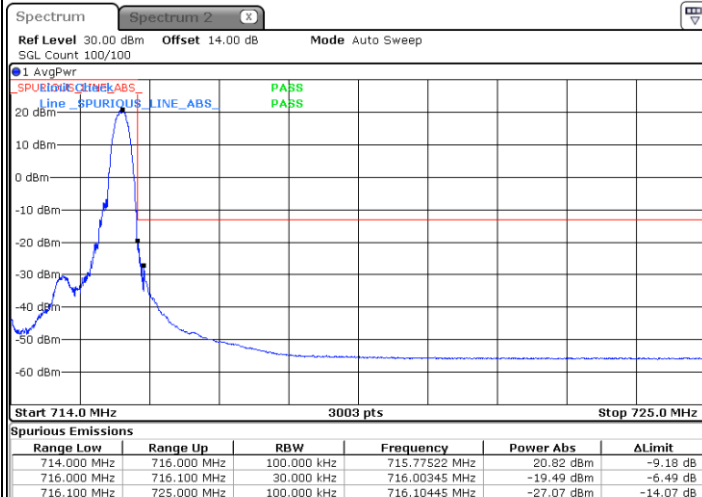
Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

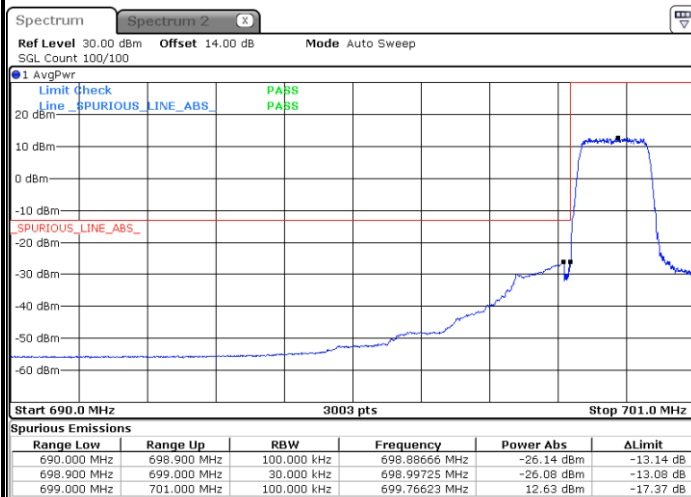
Lowest Band Edge / 1RB



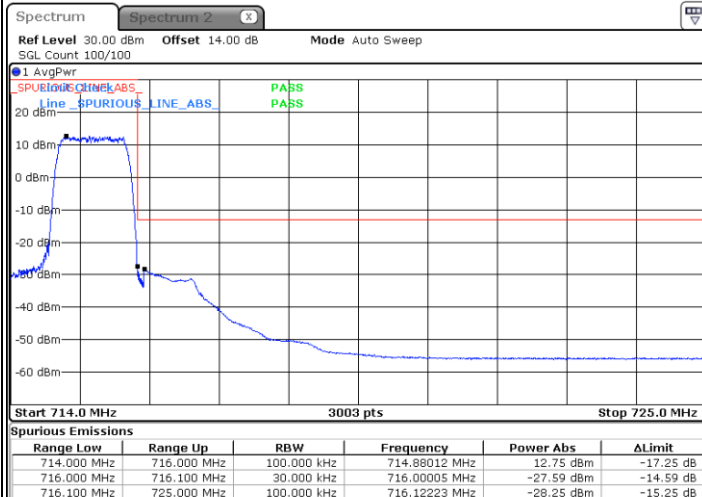
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



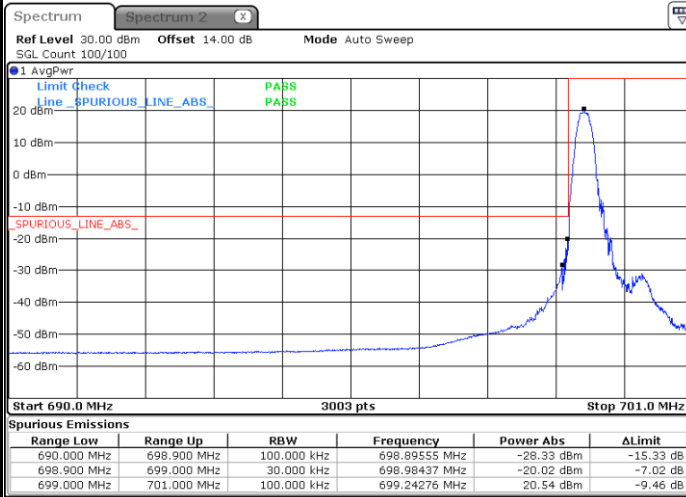
Highest Band Edge / Full RB



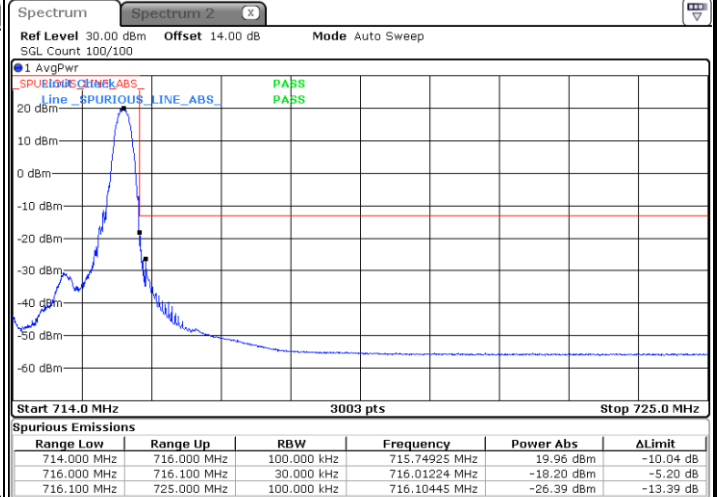


LTE Band 12 / 1.4MHz / 16QAM

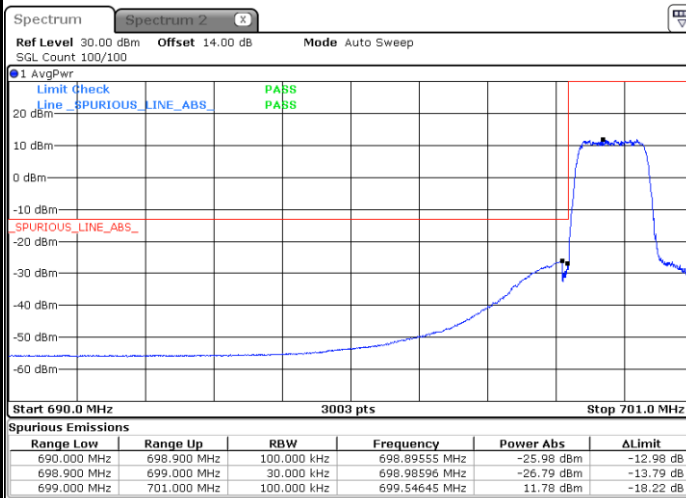
Lowest Band Edge / 1 RB



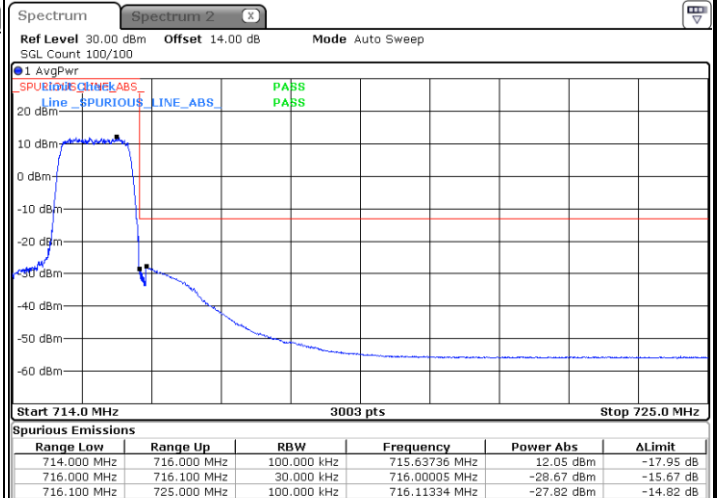
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



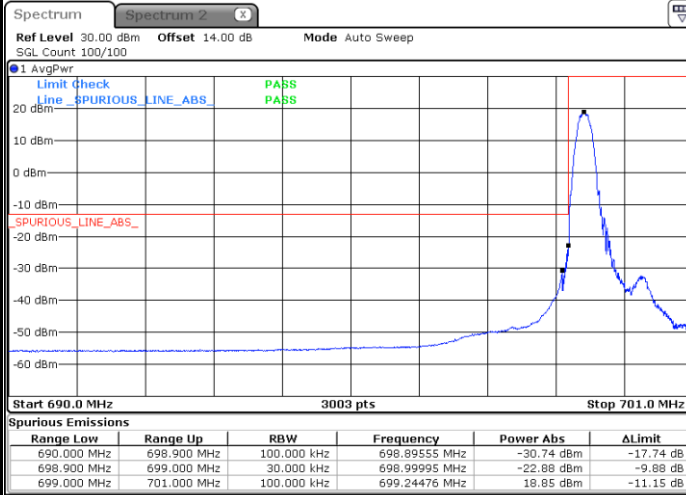
Highest Band Edge / Full RB



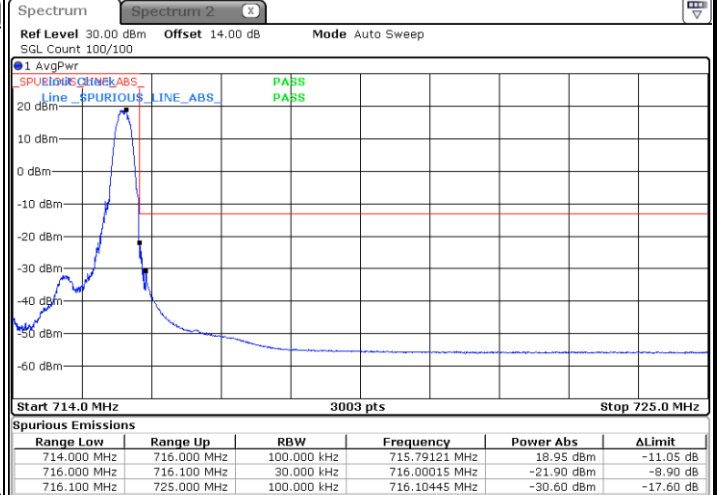


LTE Band 12 / 1.4MHz / 64QAM

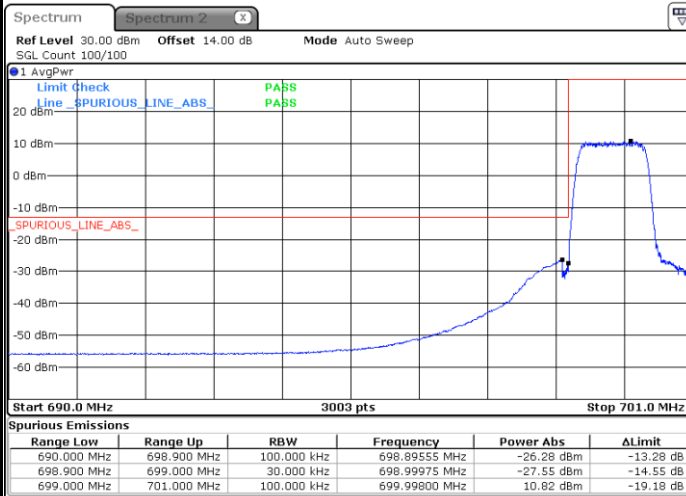
Lowest Band Edge / 1 RB



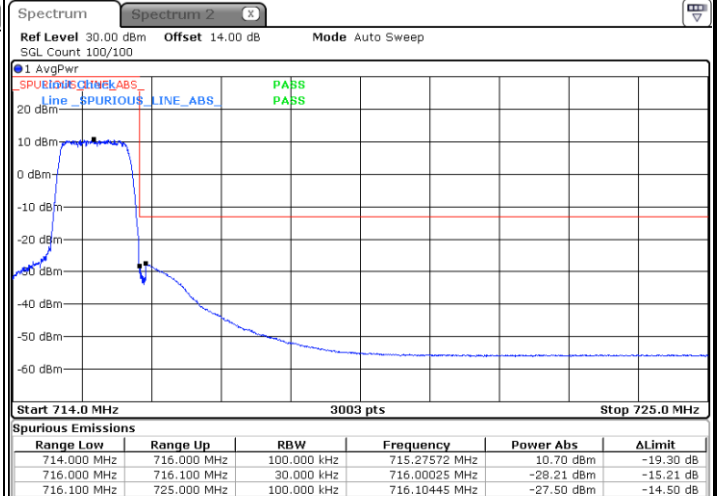
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



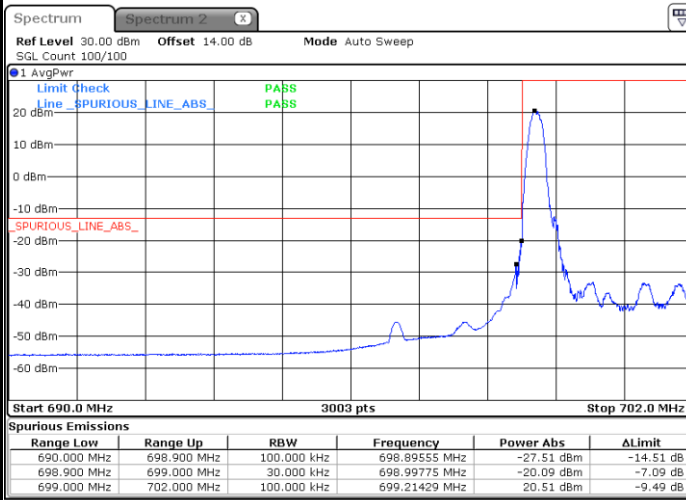
Highest Band Edge / Full RB





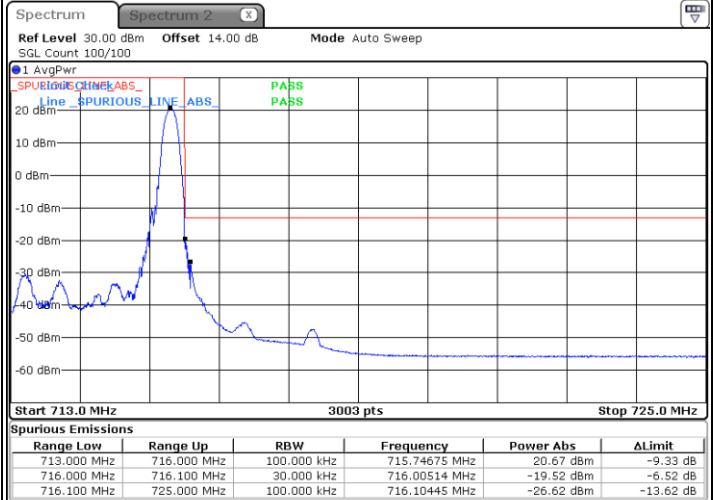
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



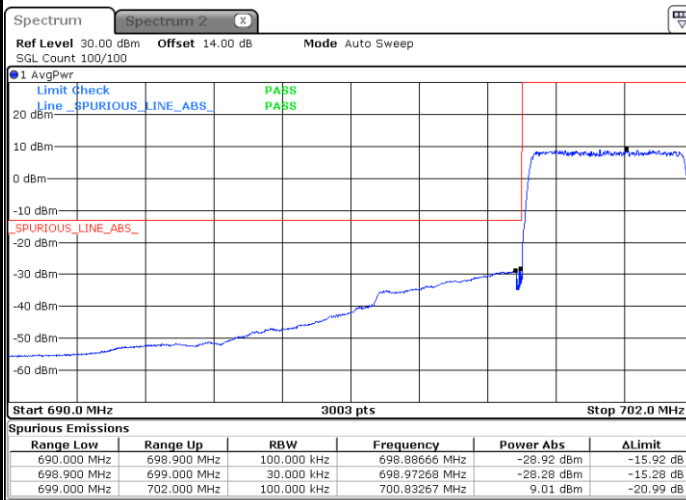
Date: 6 FEB 2025 18:00:27

Highest Band Edge / 1RB



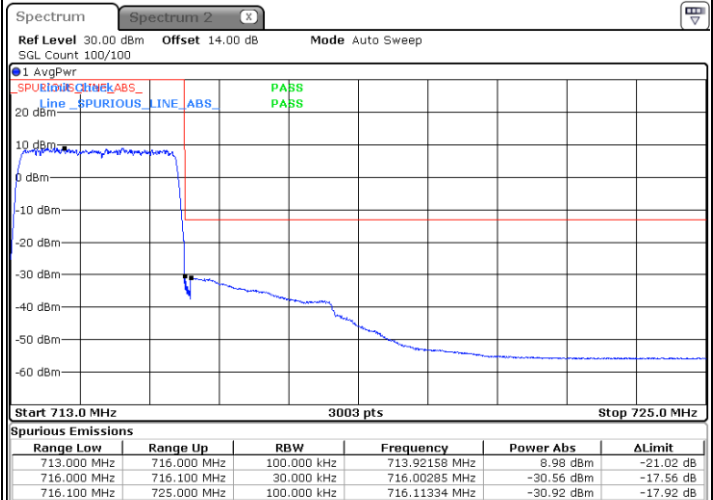
Date: 6 FEB 2025 18:08:22

Lowest Band Edge / Full RB



Date: 6 FEB 2025 18:02:45

Highest Band Edge / Full RB

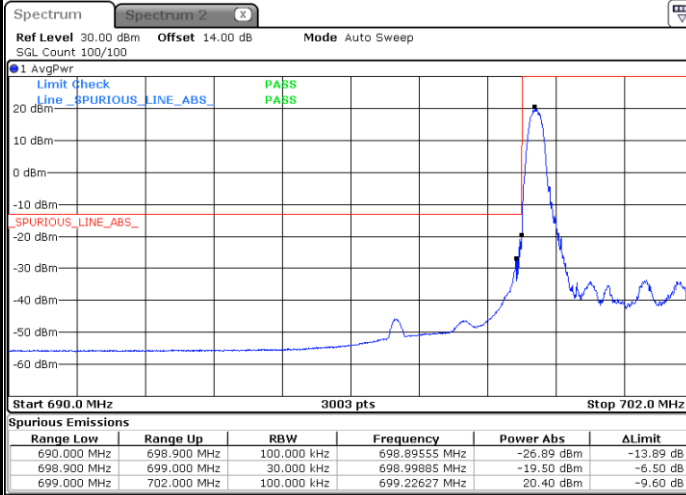


Date: 6 FEB 2025 18:10:39

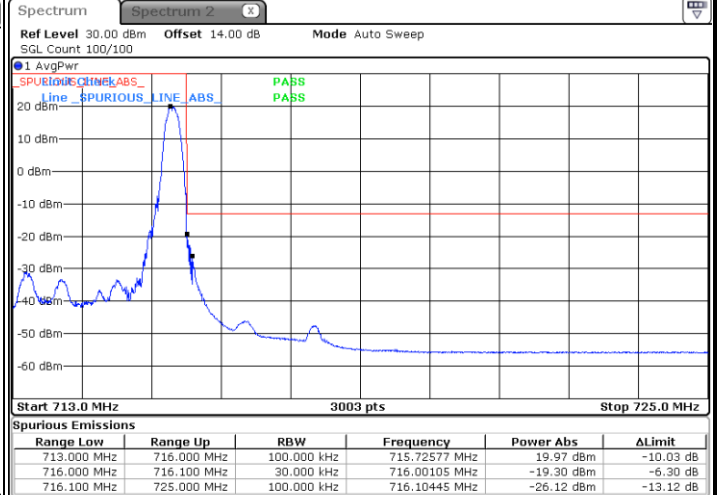


LTE Band 12 / 3MHz / 16QAM

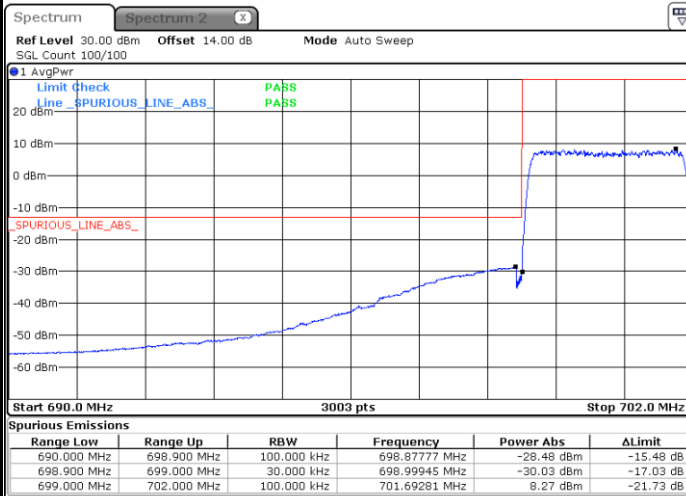
Lowest Band Edge / 1 RB



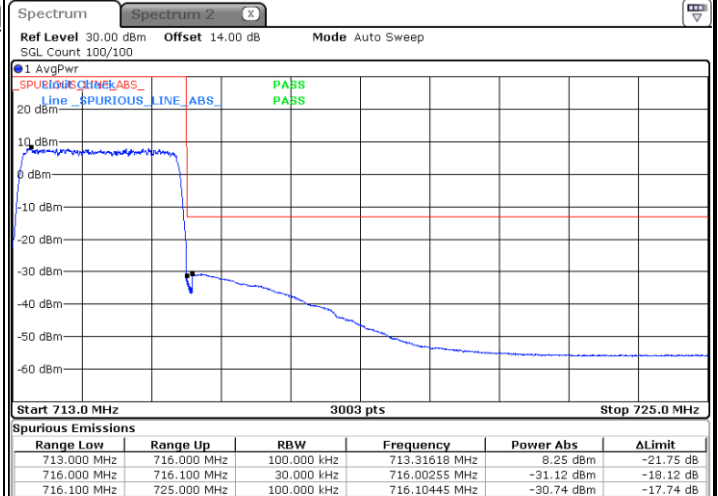
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



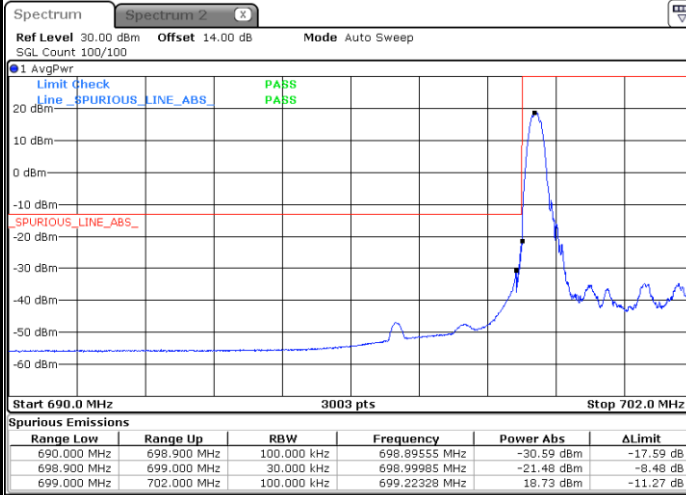
Highest Band Edge / Full RB



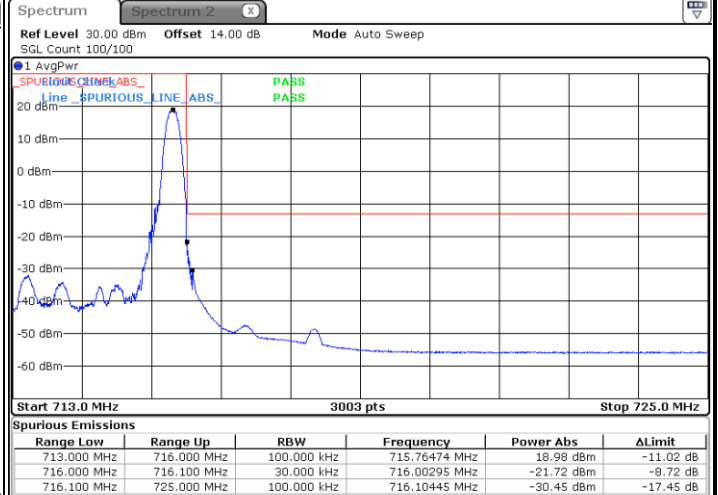


LTE Band 12 / 3MHz / 64QAM

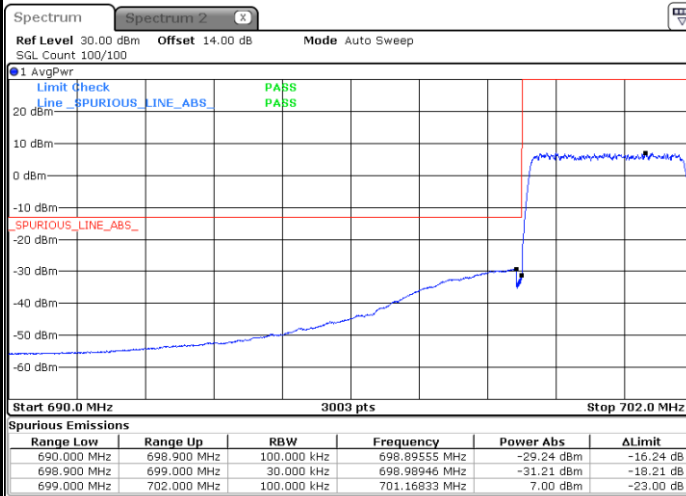
Lowest Band Edge / 1 RB



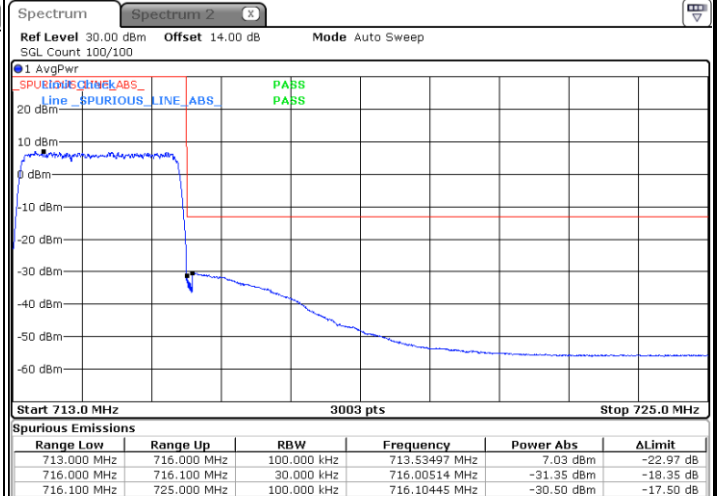
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



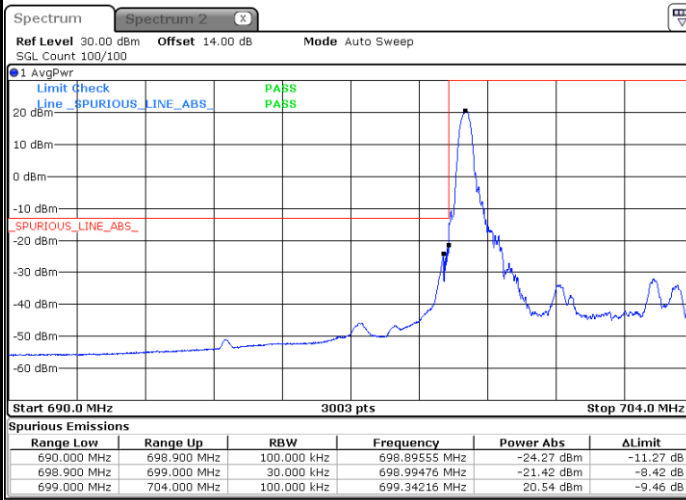
Highest Band Edge / Full RB





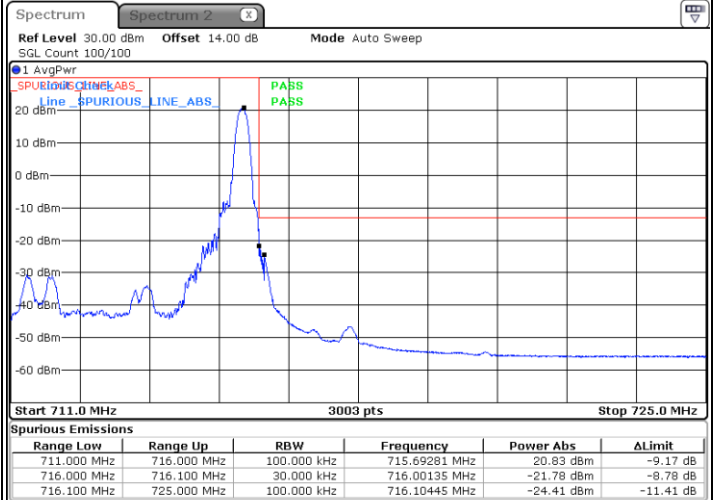
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1RB



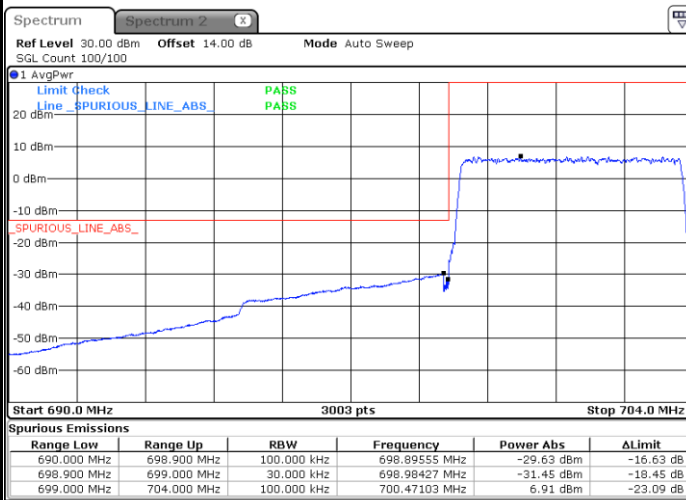
Date: 6 FEB 2025 18:14:40

Highest Band Edge / 1RB



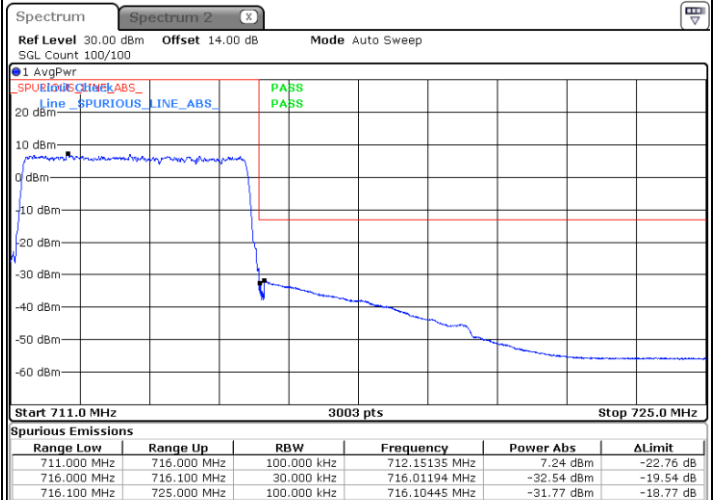
Date: 6 FEB 2025 18:22:34

Lowest Band Edge / Full RB



Date: 6 FEB 2025 18:16:58

Highest Band Edge / Full RB

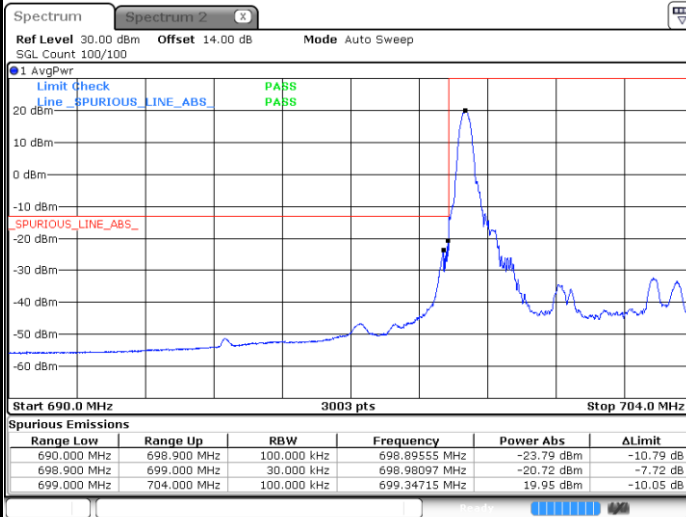


Date: 6 FEB 2025 18:24:52

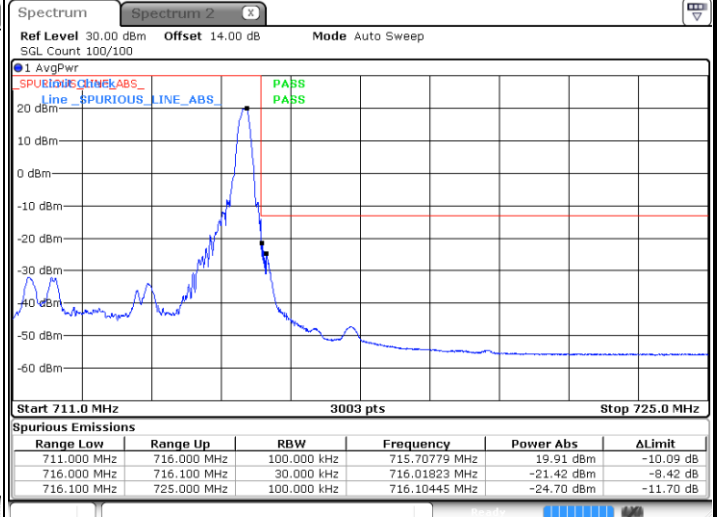


LTE Band 12 / 5MHz / 16QAM

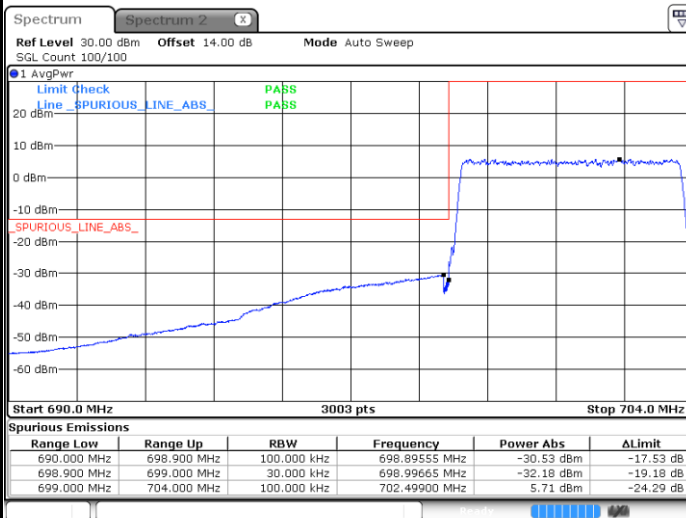
Lowest Band Edge / 1 RB



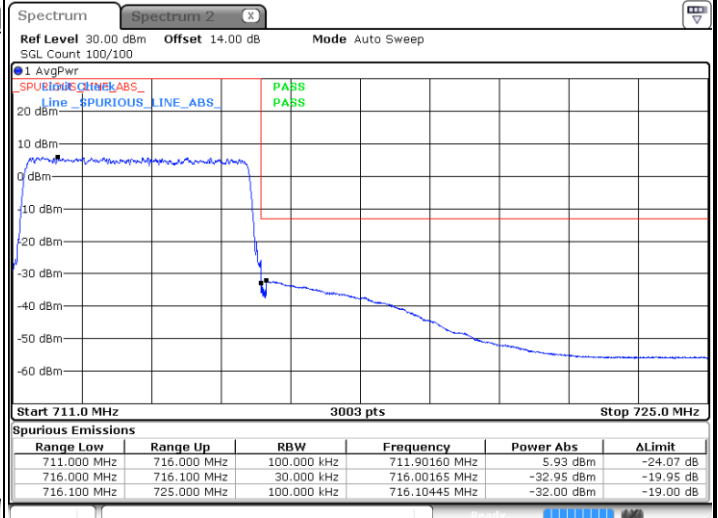
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



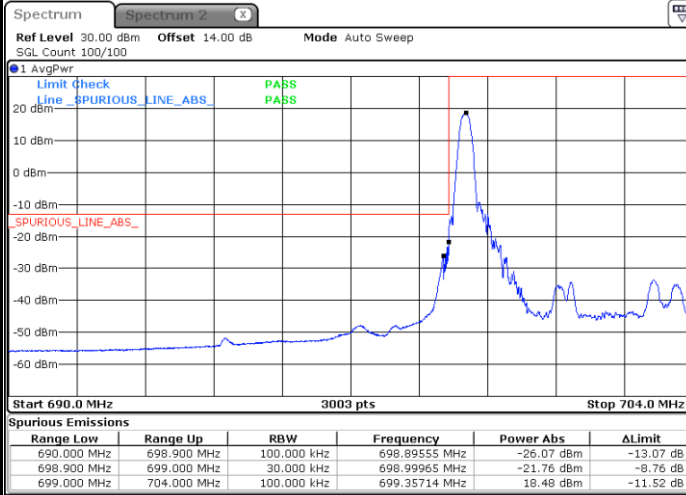
Highest Band Edge / Full RB



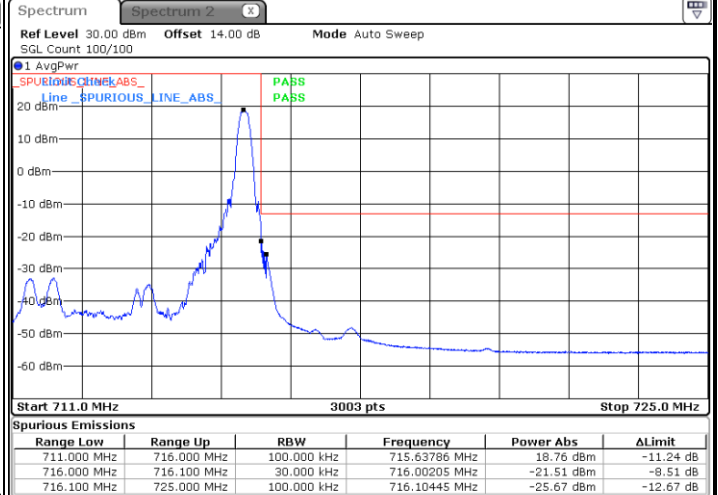


LTE Band 12 / 5MHz / 64QAM

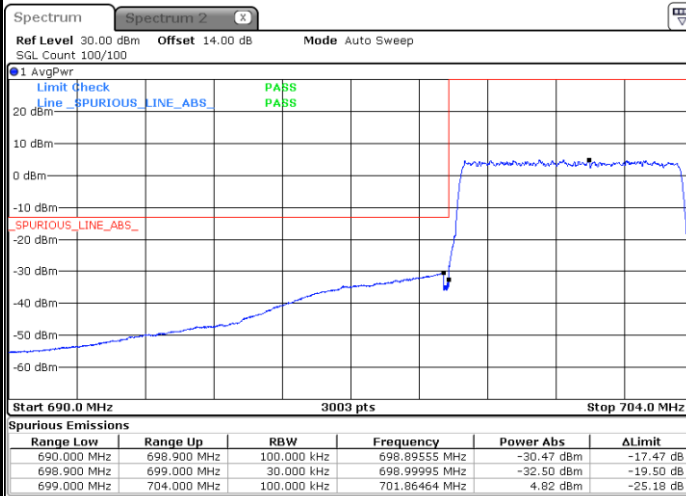
Lowest Band Edge / 1 RB



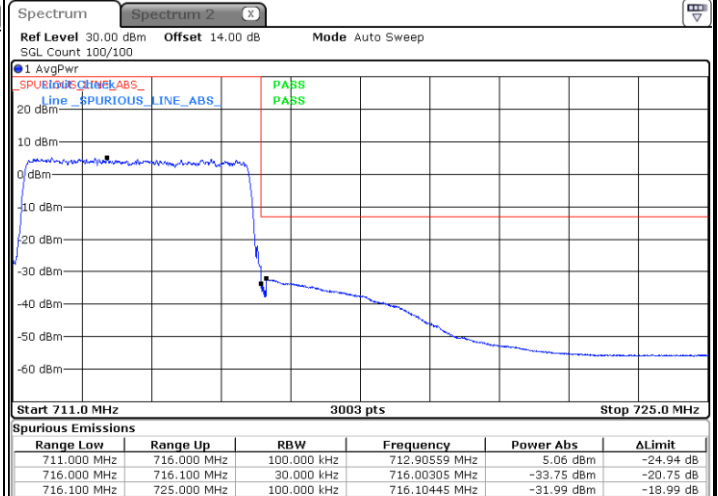
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



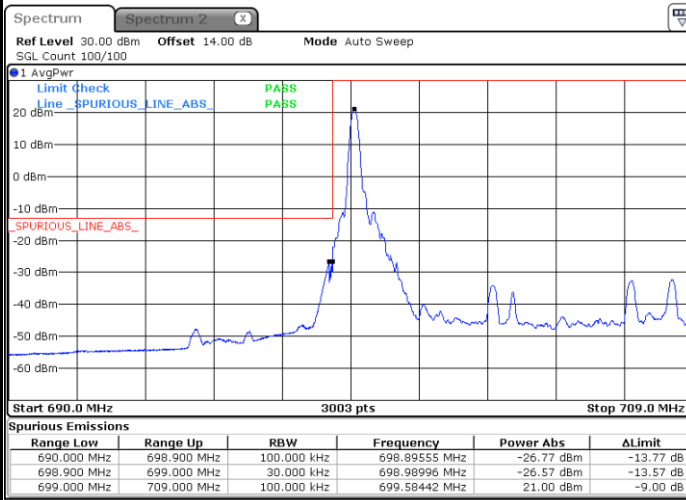
Highest Band Edge / Full RB



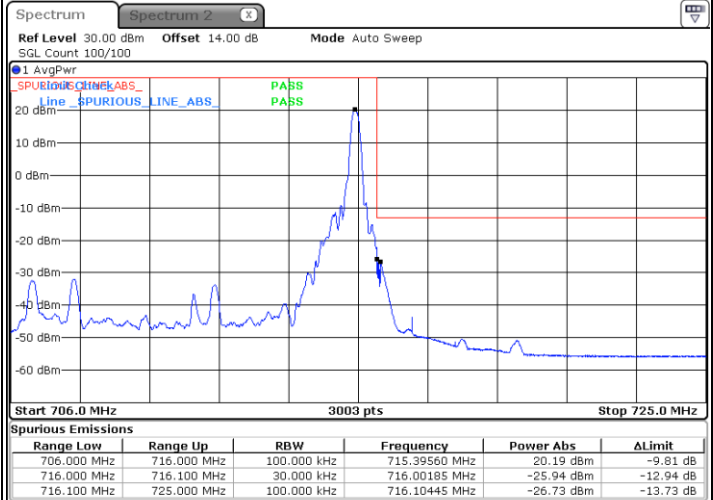


LTE Band 12 / 10MHz / QPSK

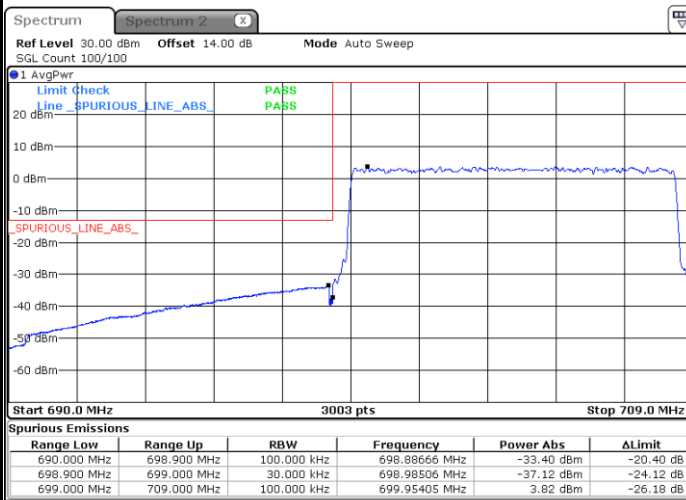
Lowest Band Edge / 1RB



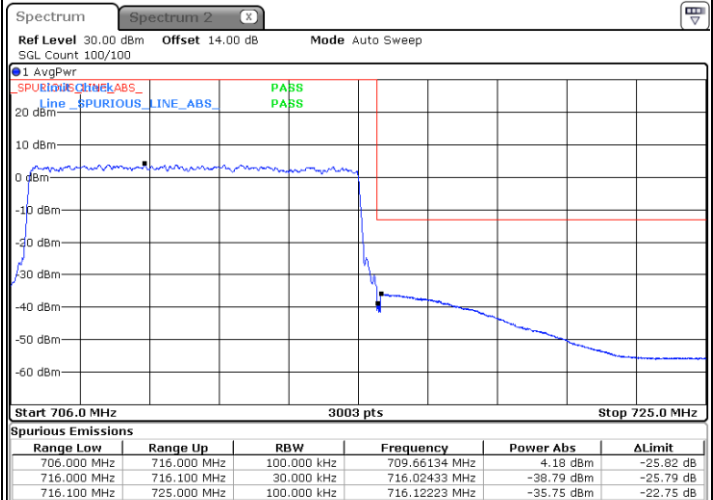
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



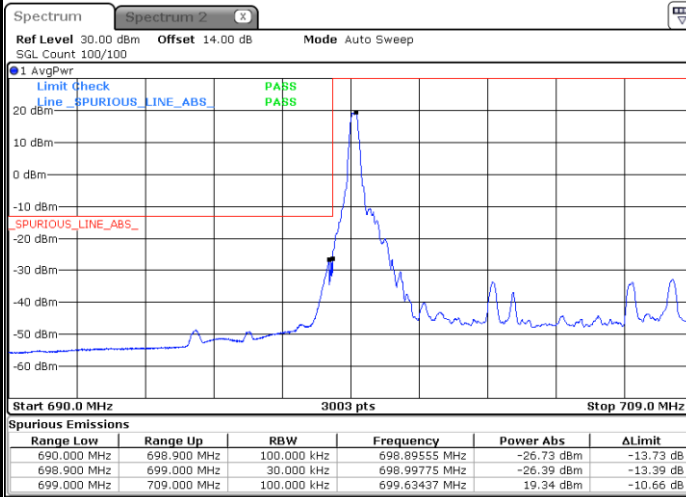
Highest Band Edge / Full RB



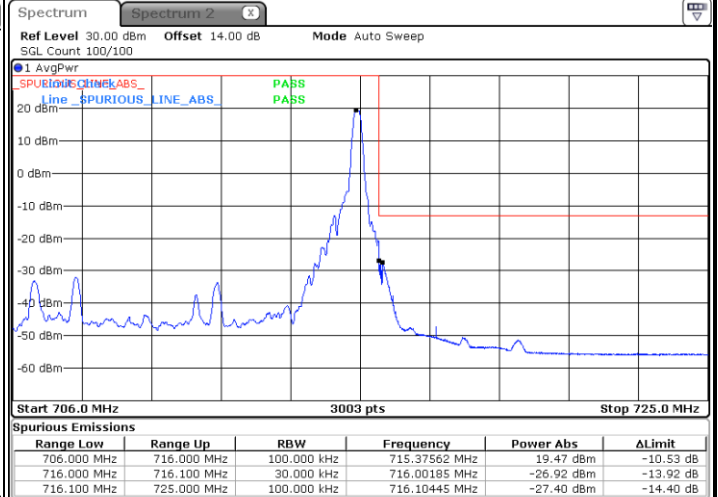


LTE Band 12 / 10MHz / 16QAM

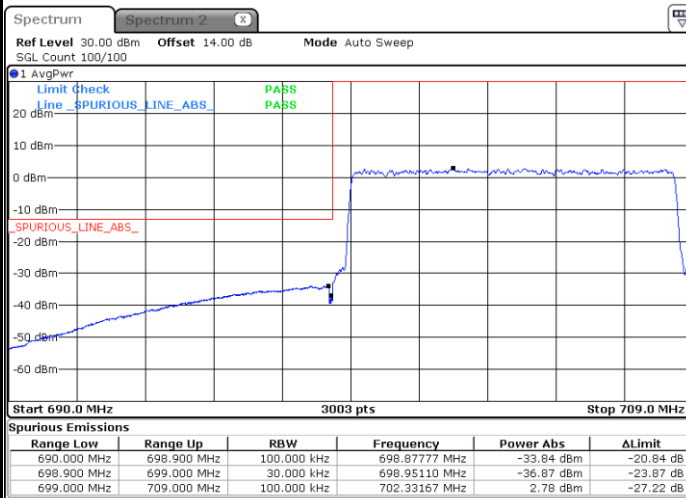
Lowest Band Edge / 1 RB



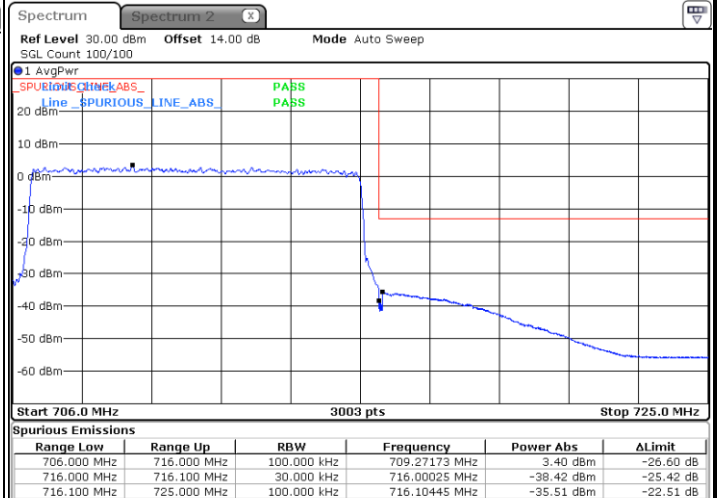
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



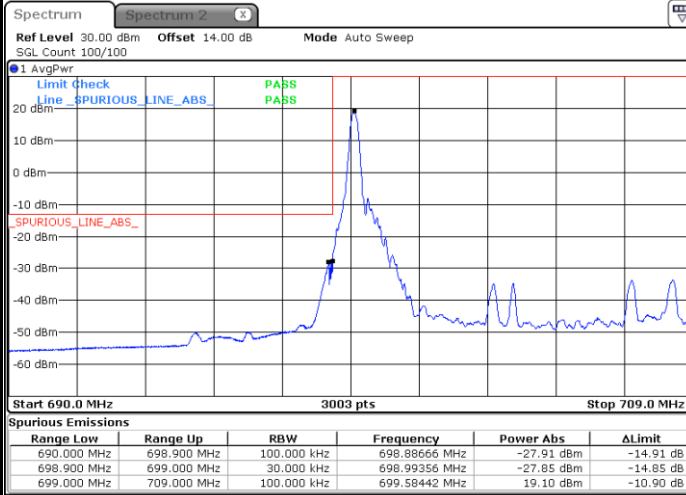
Highest Band Edge / Full RB



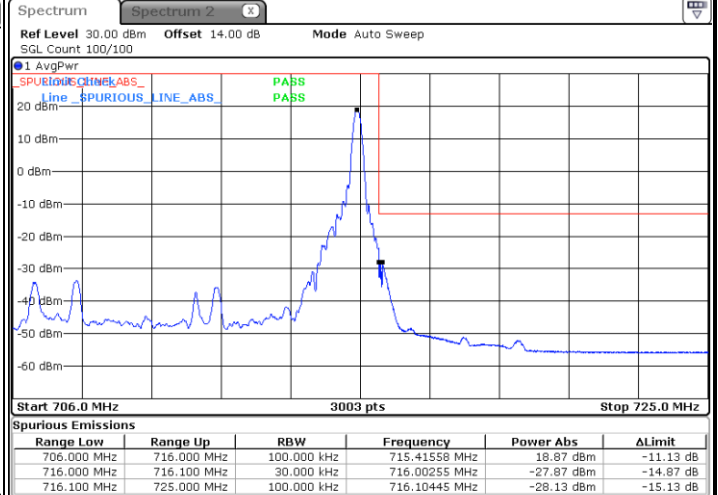


LTE Band 12 / 10MHz / 64QAM

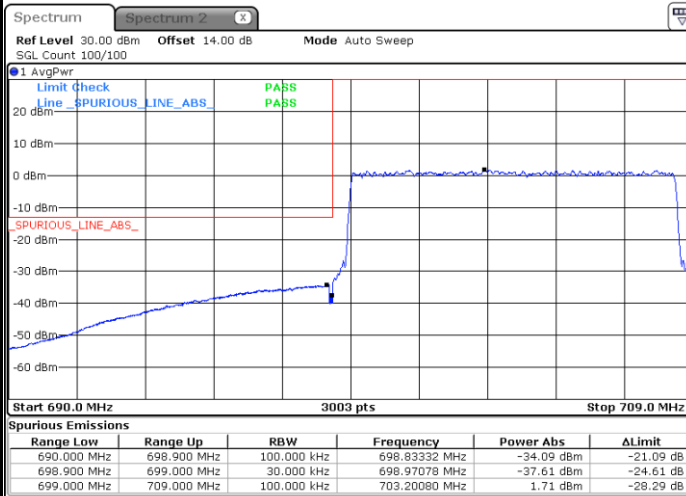
Lowest Band Edge / 1 RB



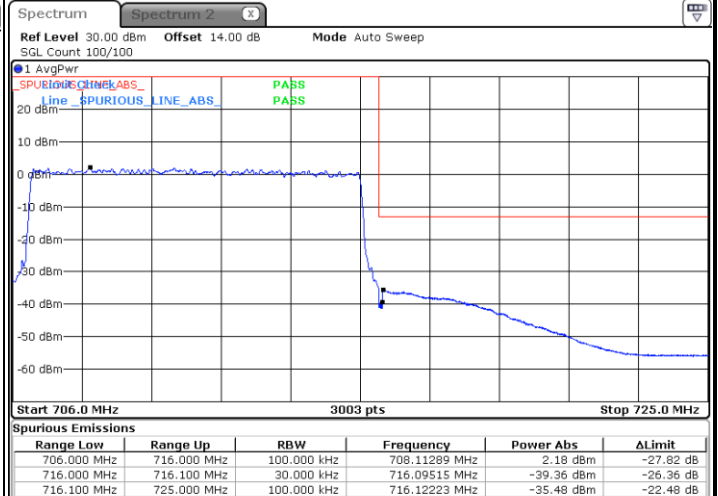
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

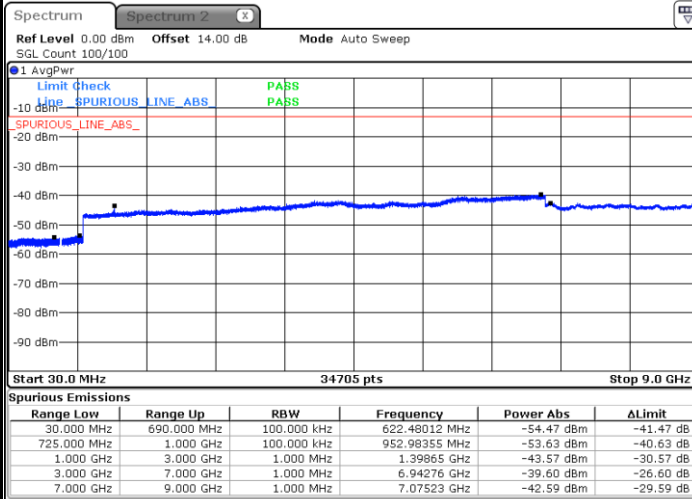




Conducted Spurious Emission

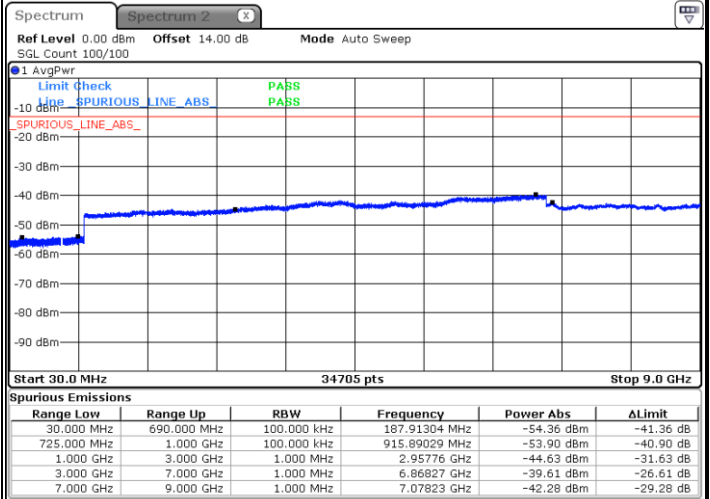
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



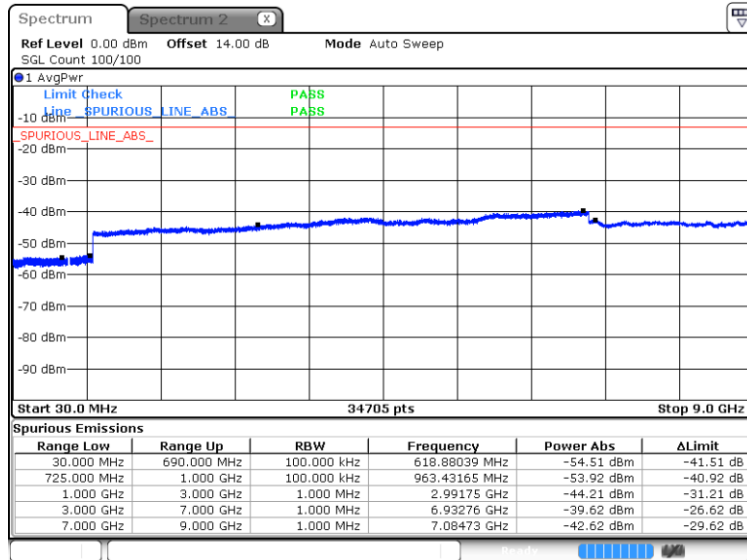
Date: 6 FEB 2025 17:51:06

Middle Channel / QPSK



Date: 6 FEB 2025 17:52:05

Highest Channel / QPSK

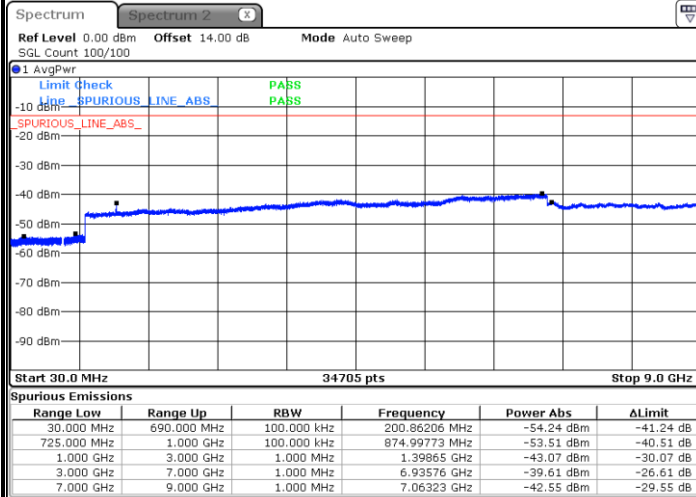


Date: 6 FEB 2025 17:58:58



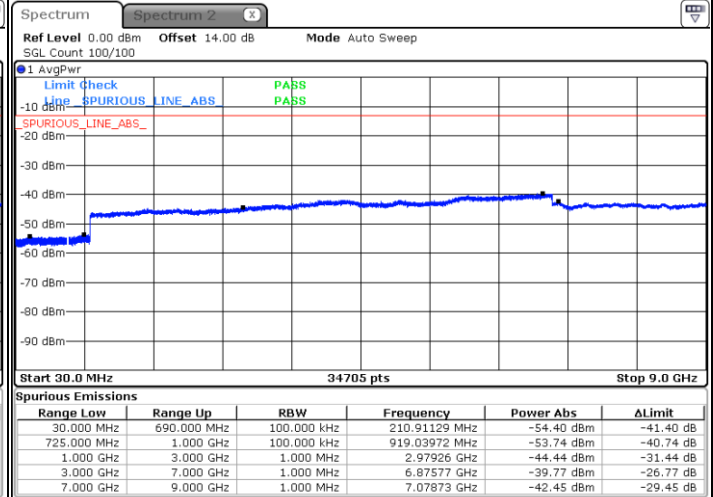
LTE Band 12 / 3MHz

Lowest Channel / QPSK



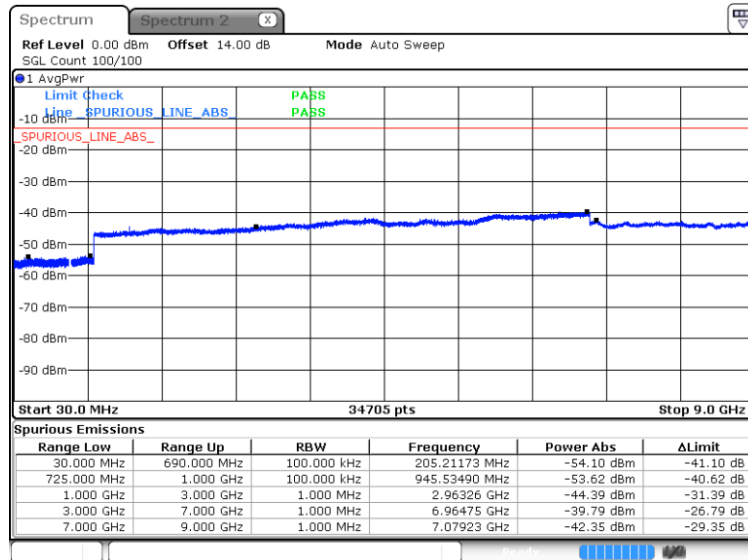
Date: 6 FEB 2025 18:05:17

Middle Channel / QPSK



Date: 6 FEB 2025 18:06:17

Highest Channel / QPSK

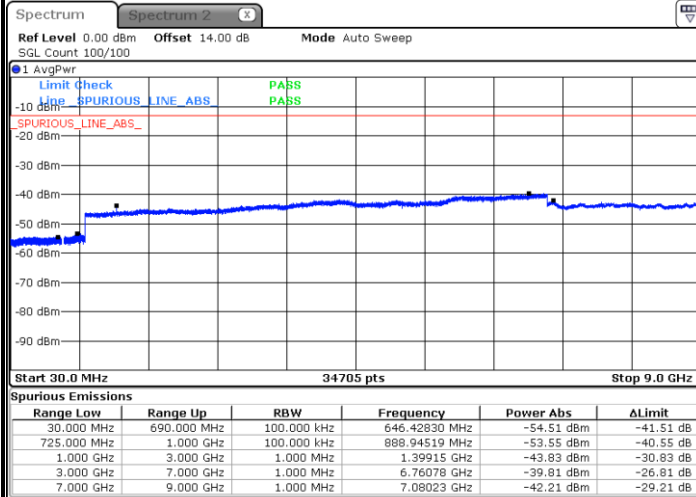


Date: 6 FEB 2025 18:13:11



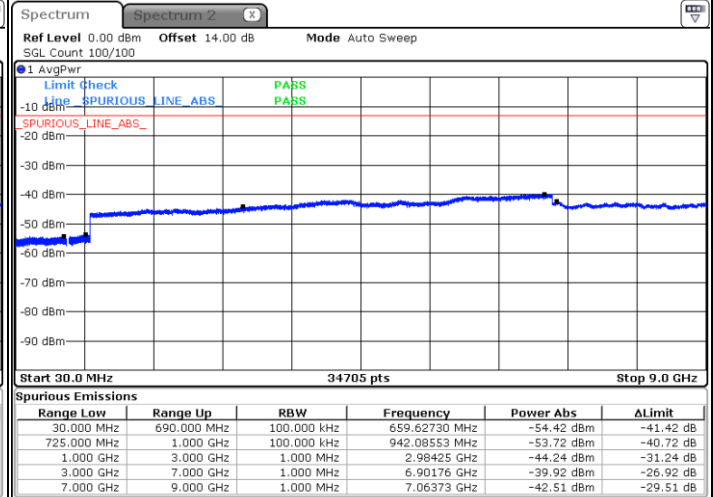
LTE Band 12 / 5MHz

Lowest Channel / QPSK



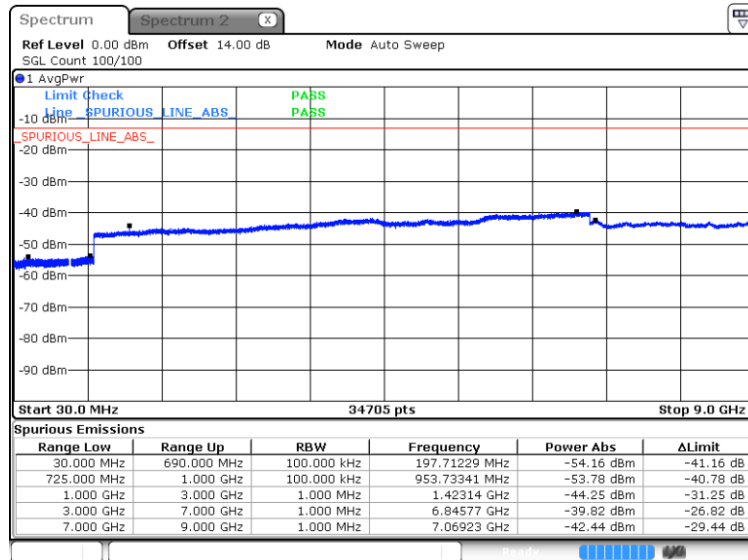
Date: 6 FEB 2025 18:19:29

Middle Channel / QPSK



Date: 6 FEB 2025 18:20:29

Highest Channel / QPSK

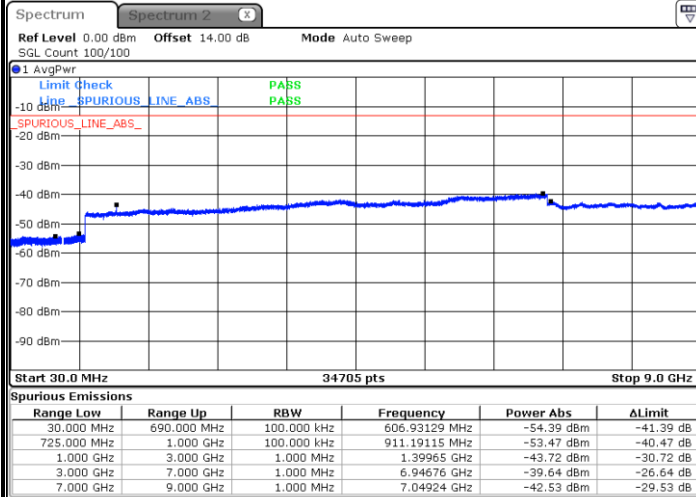


Date: 6 FEB 2025 18:27:23



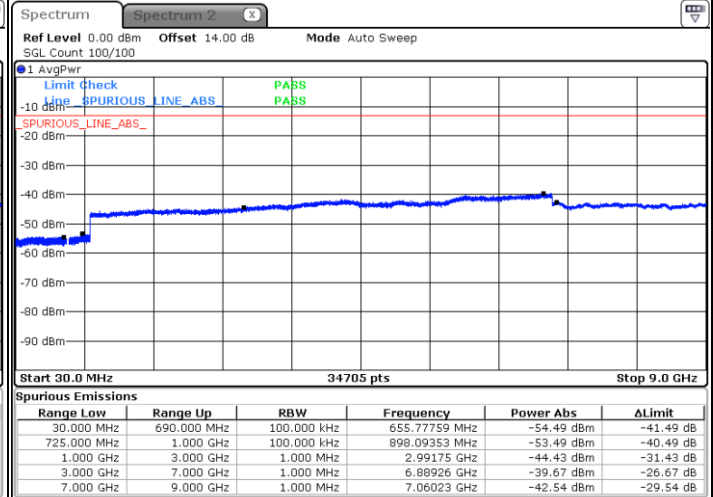
LTE Band 12 / 10MHz

Lowest Channel / QPSK



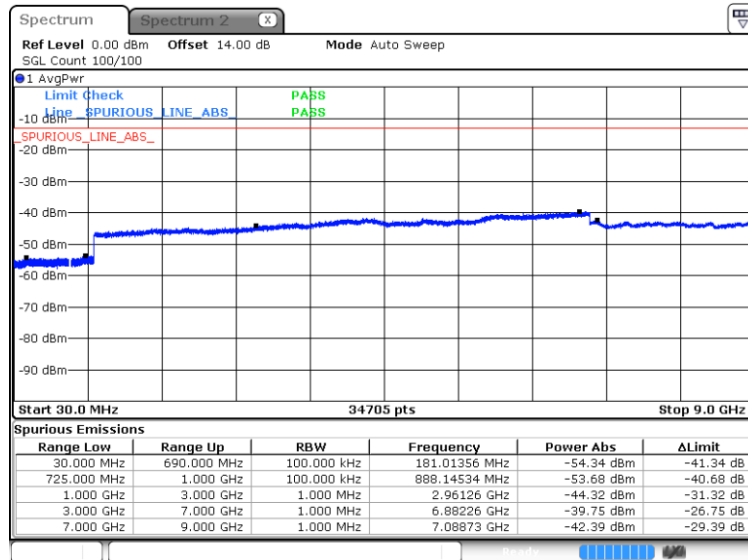
Date: 6 FEB 2025 18:33:43

Middle Channel / QPSK



Date: 6 FEB 2025 18:34:43

Highest Channel / QPSK



Date: 6 FEB 2025 18:41:41

**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	0.0004	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage = 3.92 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.53 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.45	6.29	6.55	PASS