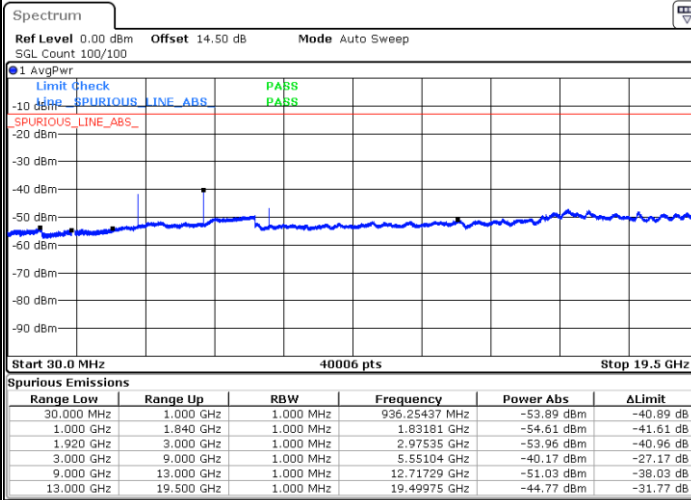




Conducted Spurious Emission

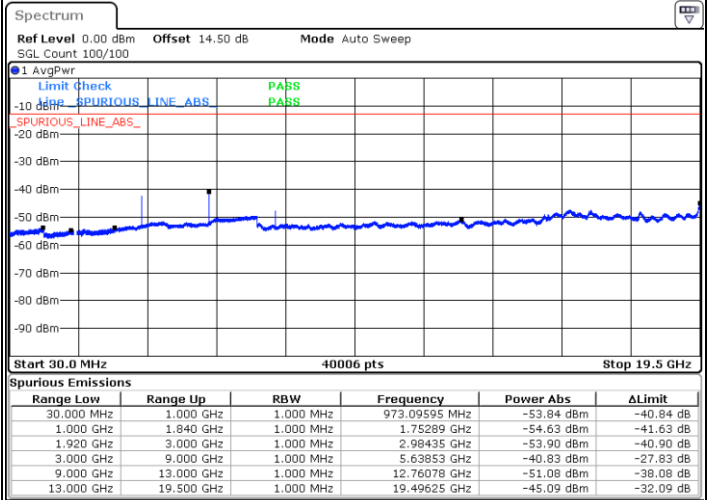
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK



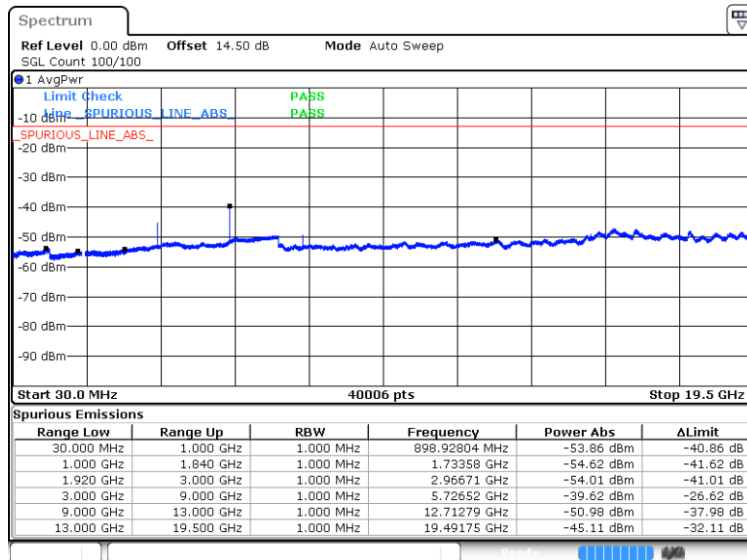
Date: 2 JAN 2025 19:22:21

Middle Channel / QPSK



Date: 2 JAN 2025 19:25:48

Highest Channel / QPSK

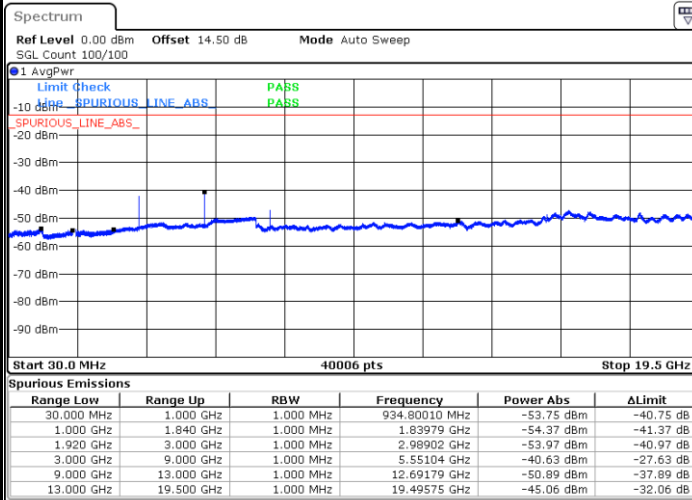


Date: 2 JAN 2025 19:30:34



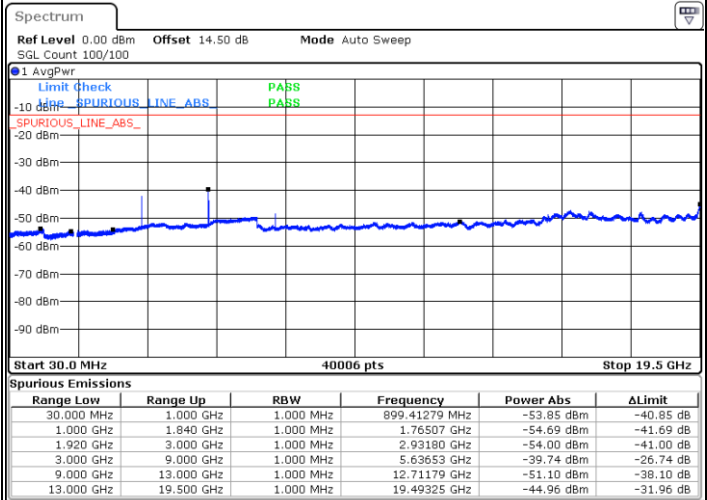
LTE Band 2 / 3MHz

Lowest Channel / QPSK



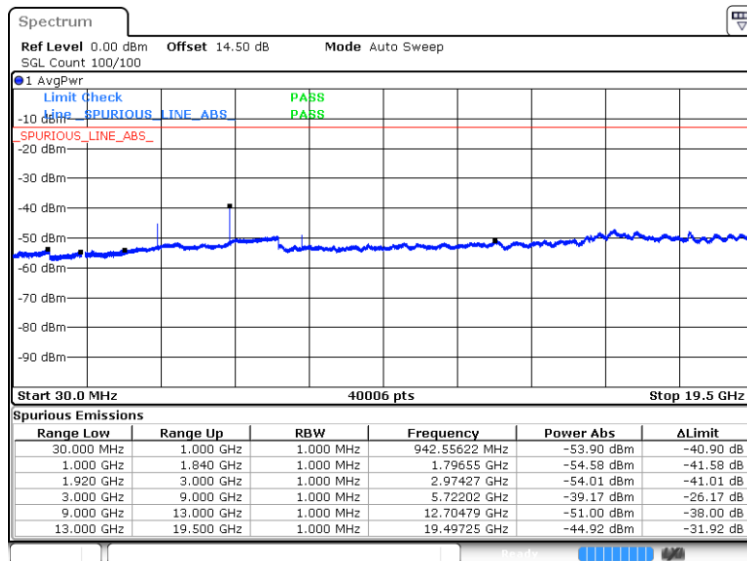
Date: 2 JAN 2025 19:37:15

Middle Channel / QPSK



Date: 2 JAN 2025 19:40:41

Highest Channel / QPSK

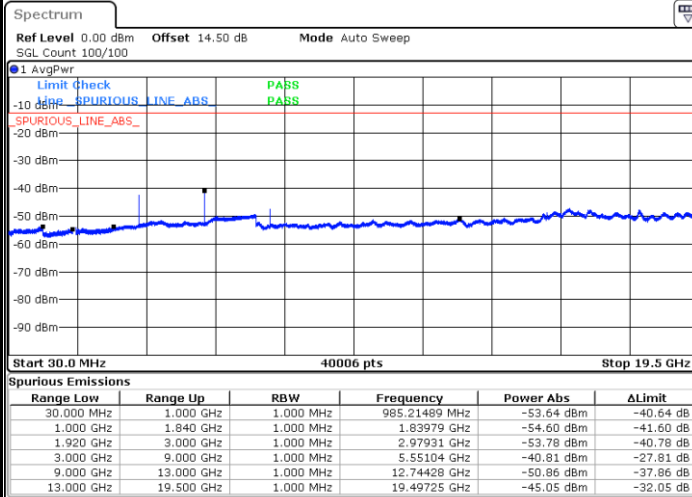


Date: 2 JAN 2025 19:47:58



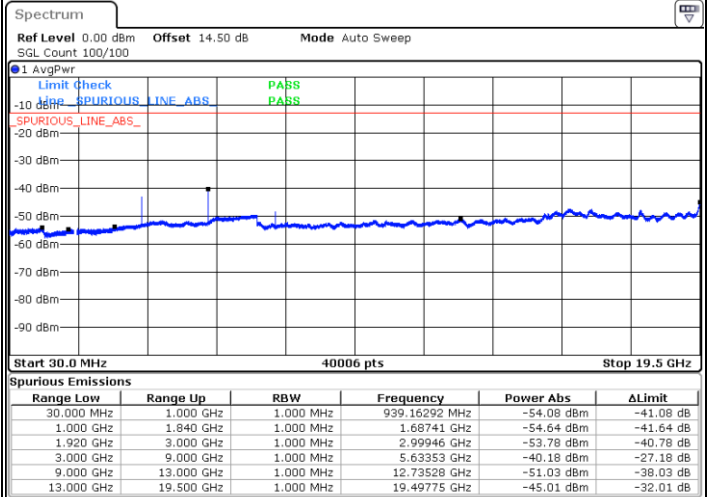
LTE Band 2 / 5MHz

Lowest Channel / QPSK



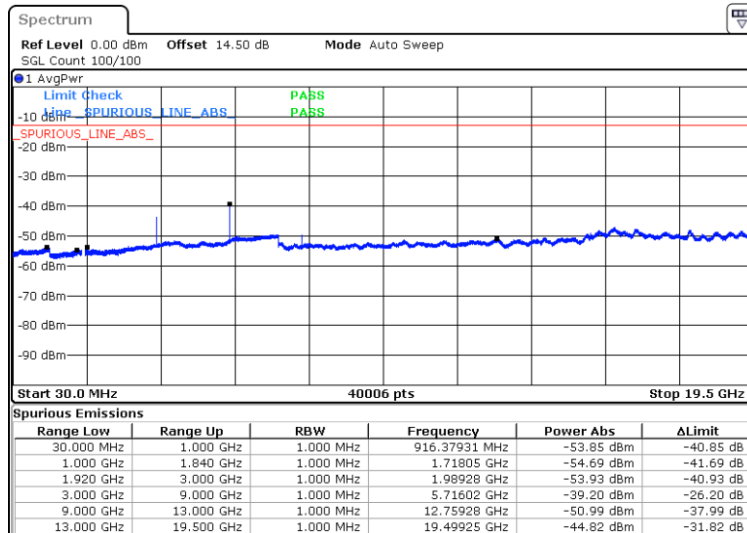
Date: 2 JAN 2025 19:52:07

Middle Channel / QPSK



Date: 2 JAN 2025 19:55:34

Highest Channel / QPSK

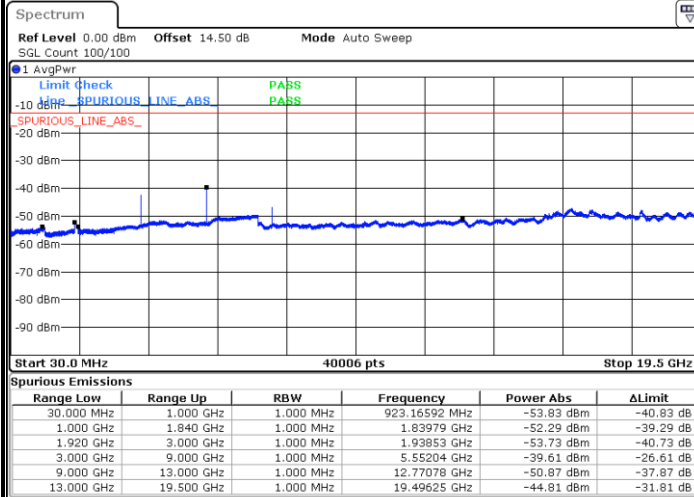


Date: 2 JAN 2025 20:02:51



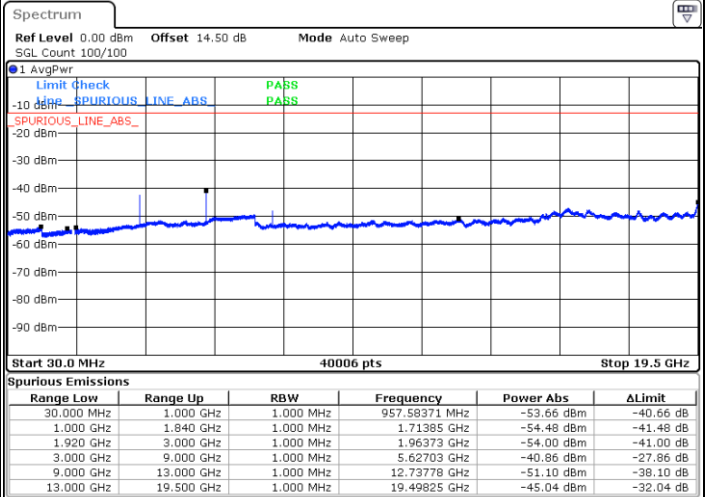
LTE Band 2 / 10MHz

Lowest Channel / QPSK



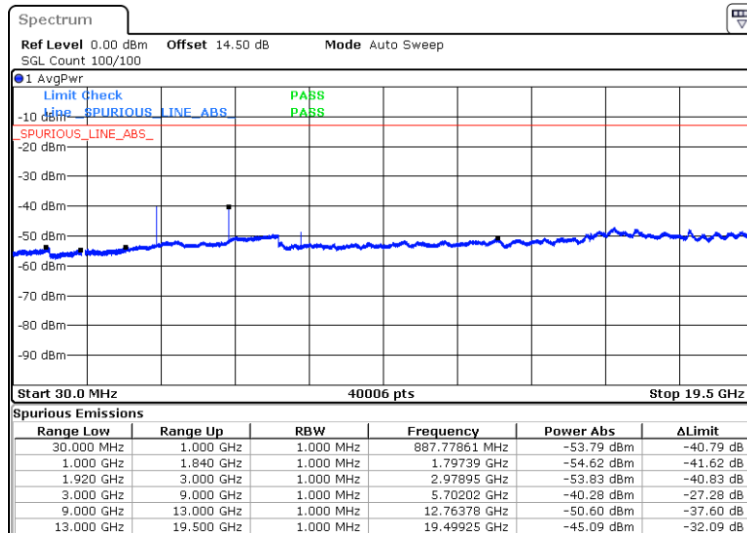
Date: 2 JAN 2025 20:09:32

Middle Channel / QPSK



Date: 2 JAN 2025 20:10:27

Highest Channel / QPSK

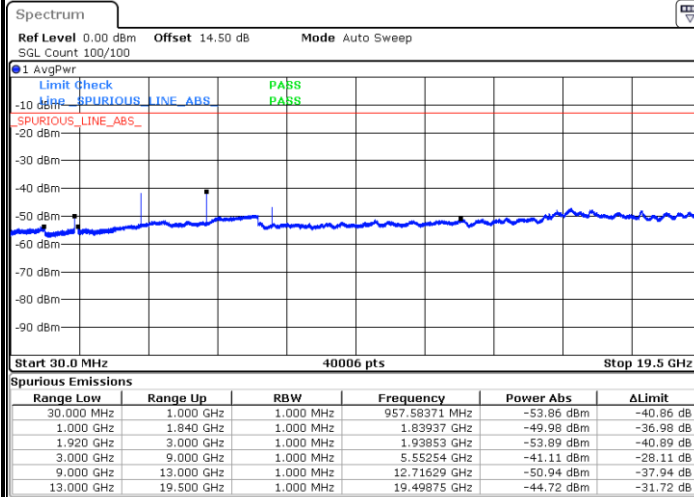


Date: 2 JAN 2025 20:17:44



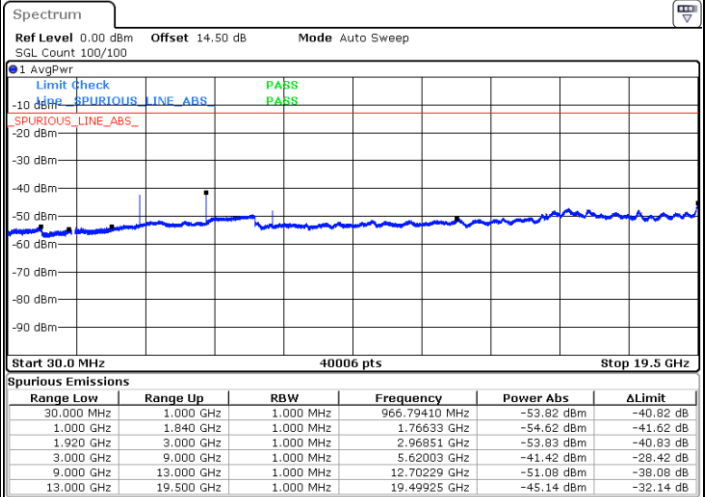
LTE Band 2 / 15MHz

Lowest Channel / QPSK



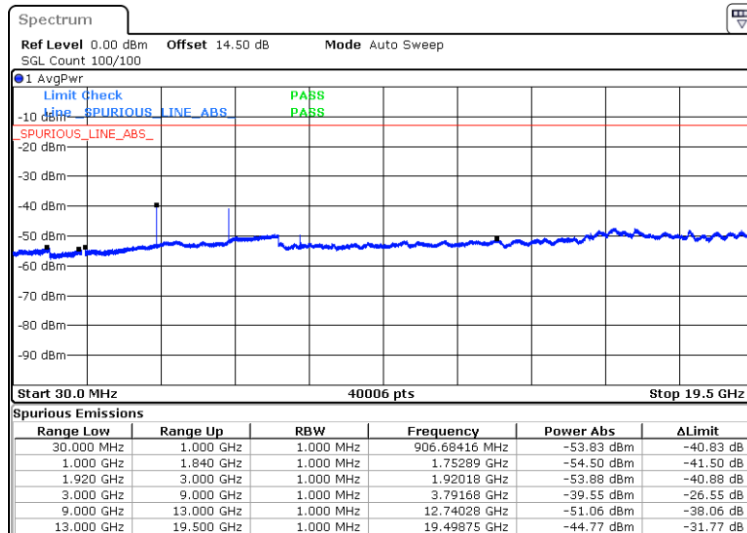
Date: 2 JAN 2025 20:24:25

Middle Channel / QPSK



Date: 2 JAN 2025 20:25:20

Highest Channel / QPSK

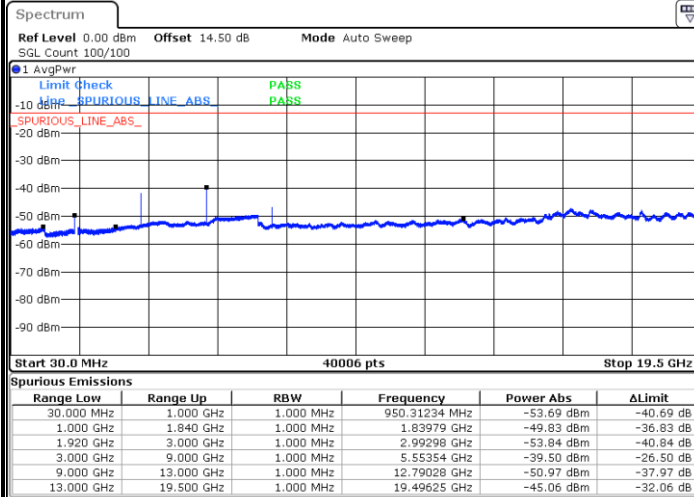


Date: 2 JAN 2025 20:41:56



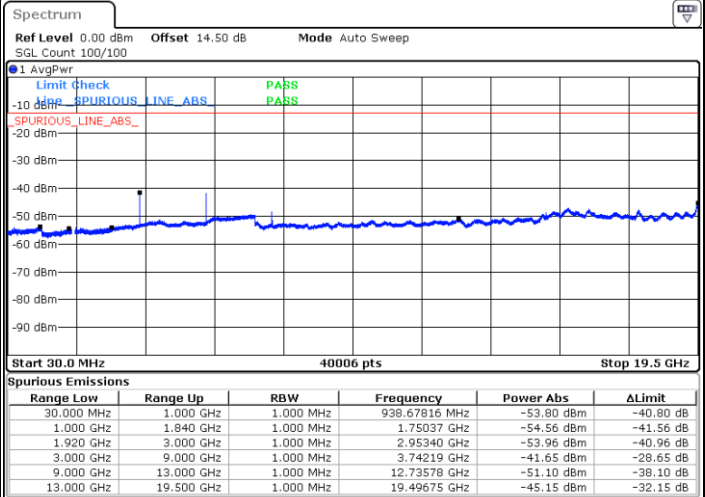
LTE Band 2 / 20MHz

Lowest Channel / QPSK



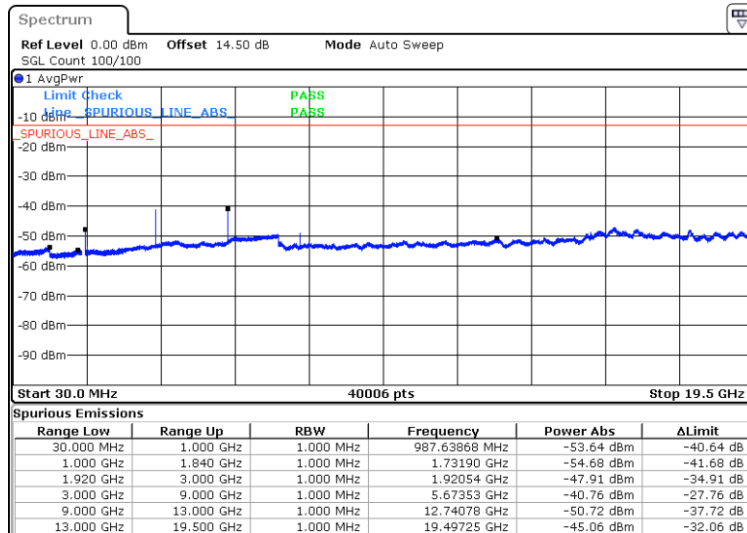
Date: 2 JAN 2025 20:48:37

Middle Channel / QPSK



Date: 2 JAN 2025 20:49:32

Highest Channel / QPSK



Date: 2 JAN 2025 20:58:09

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	0.0031	PASS
40	Normal Voltage	0.0039	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0037	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0049	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0047	

Note:

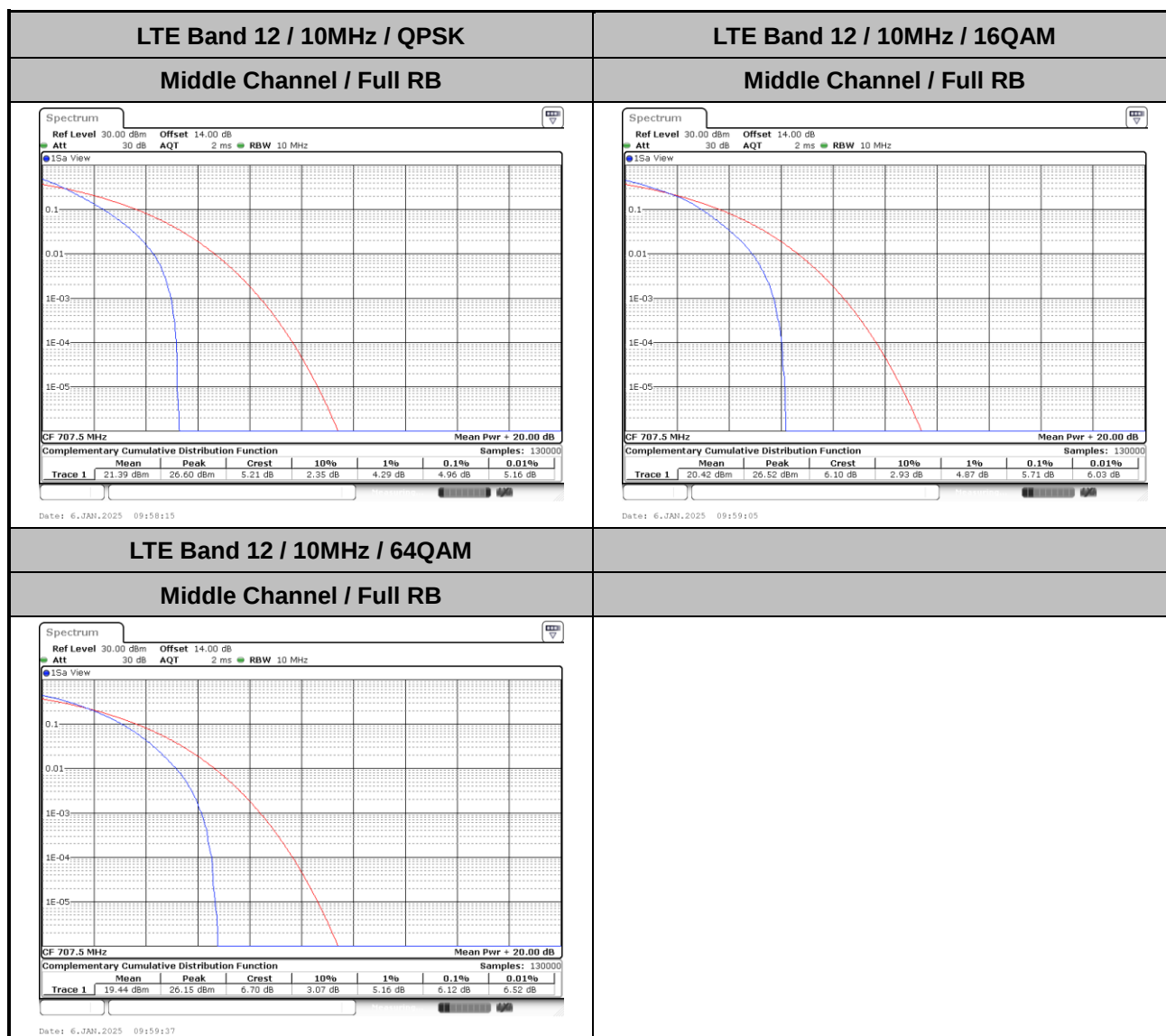
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



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	4.96	5.71	6.12	PASS



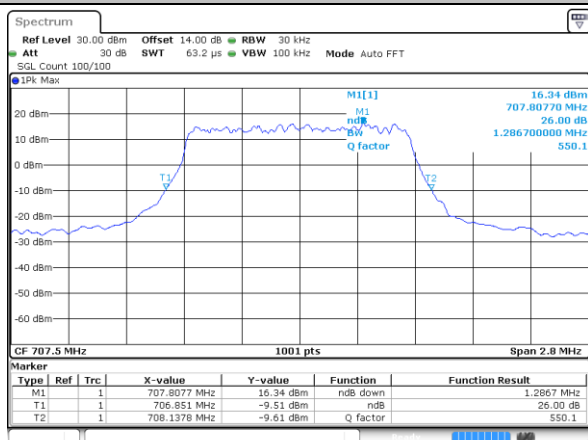


26dB Bandwidth

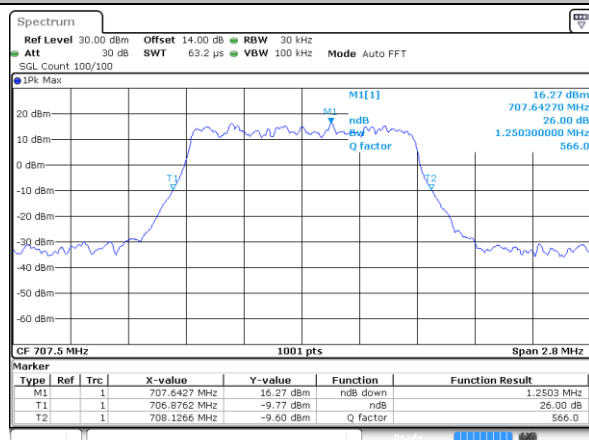
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.29	1.25	2.98	3.00	4.93	4.93	9.81	9.73	-	-	-	-

LTE Band 12

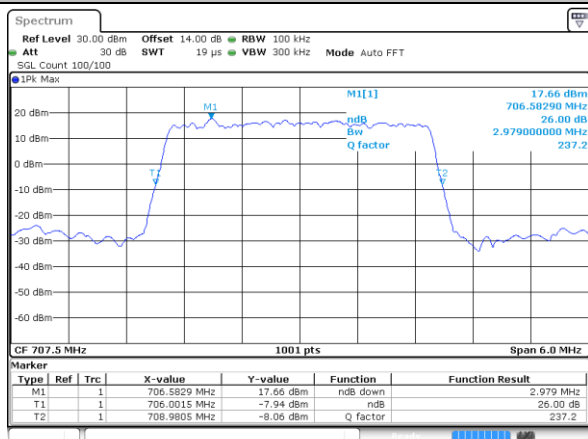
Middle Channel / 1.4MHz / QPSK



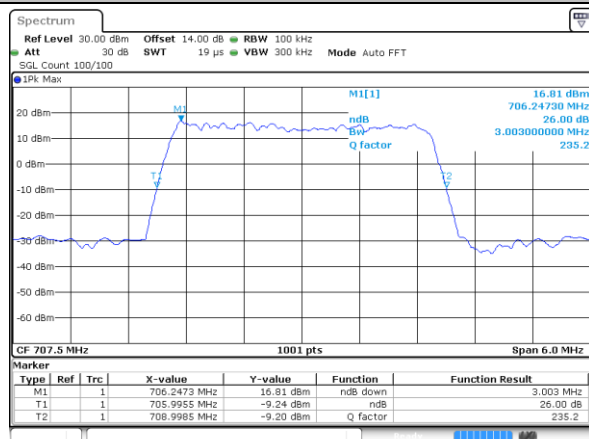
Middle Channel / 1.4MHz / 16QAM



Middle Channel / 3MHz / QPSK

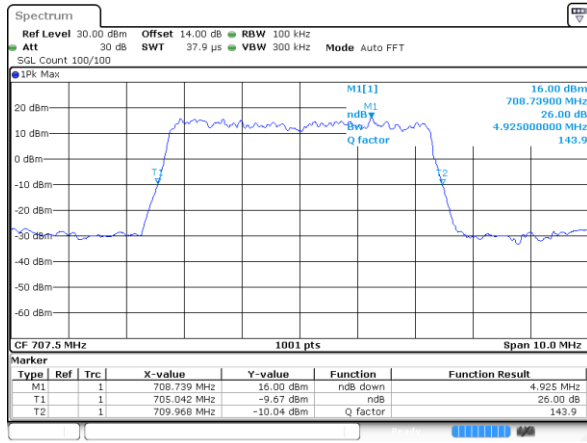


Middle Channel / 3MHz / 16QAM

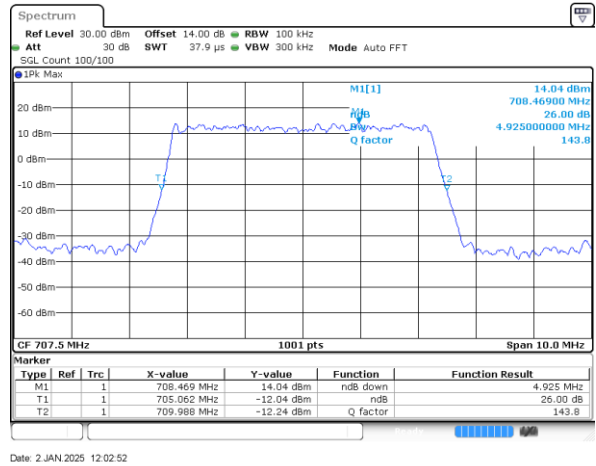




Middle Channel / 5MHz / QPSK

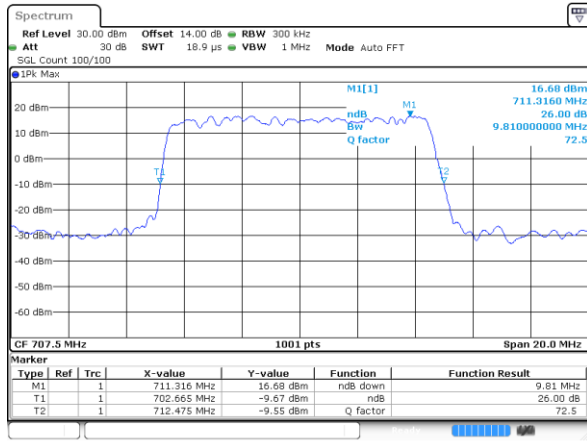


Middle Channel / 5MHz / 16QAM

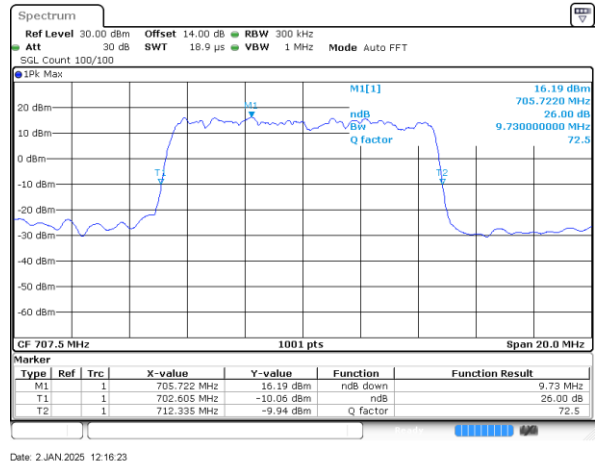


LTE Band 12

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



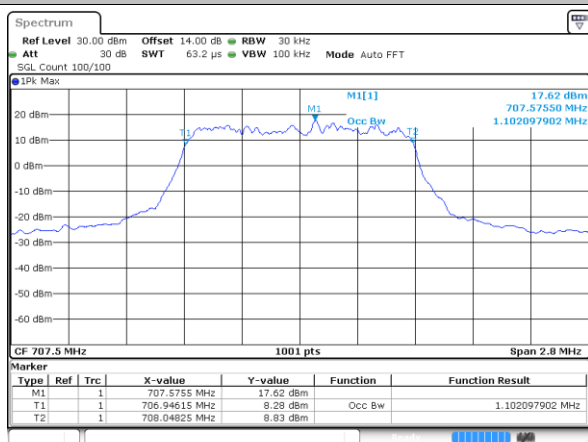


Occupied Bandwidth

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	1.10	1.09	2.71	2.72	4.48	4.49	9.07	9.07	-	-	-	-

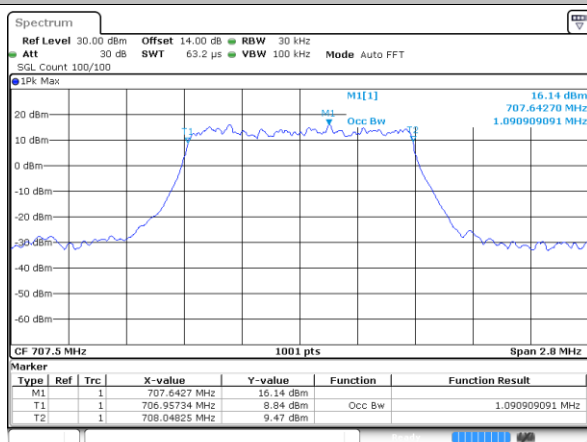
LTE Band 12

Middle Channel / 1.4MHz / QPSK



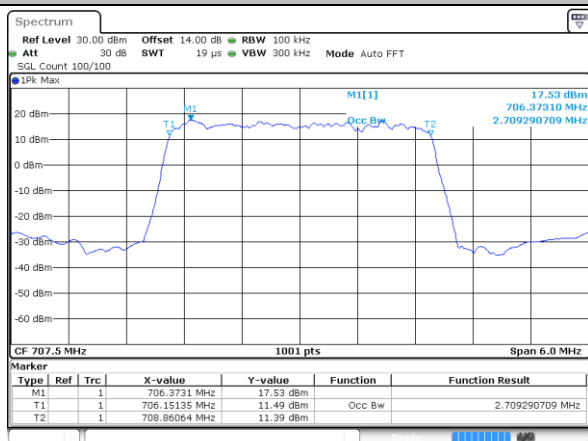
Date: 2 JAN 2025 11:34:57

Middle Channel / 1.4MHz / 16QAM



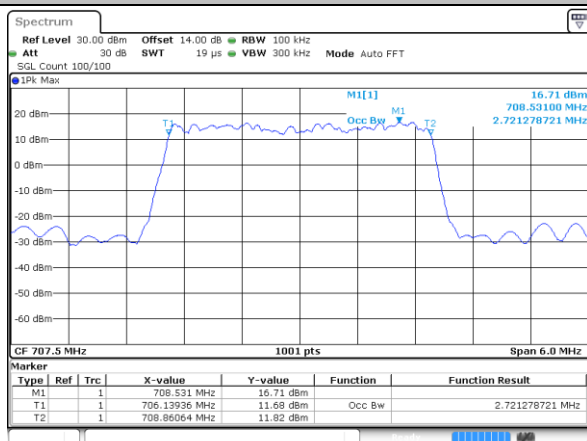
Date: 2 JAN 2025 11:35:37

Middle Channel / 3MHz / QPSK



Date: 2 JAN 2025 11:48:28

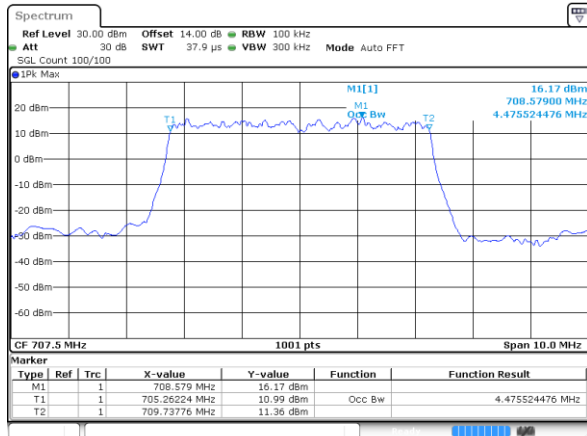
Middle Channel / 3MHz / 16QAM



Date: 2 JAN 2025 11:49:08

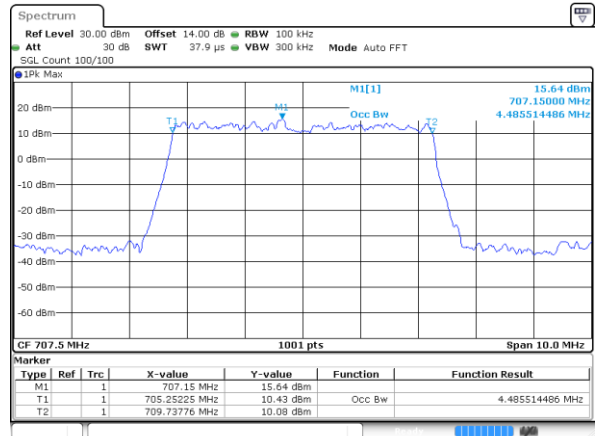


Middle Channel / 5MHz / QPSK



Date: 2 JAN 2025 12:01:58

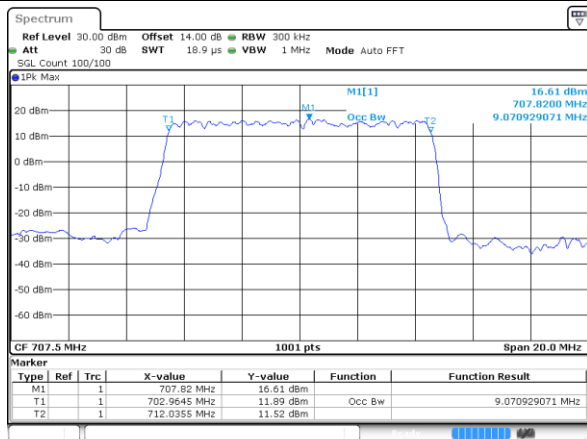
Middle Channel / 5MHz / 16QAM



Date: 2 JAN 2025 12:02:38

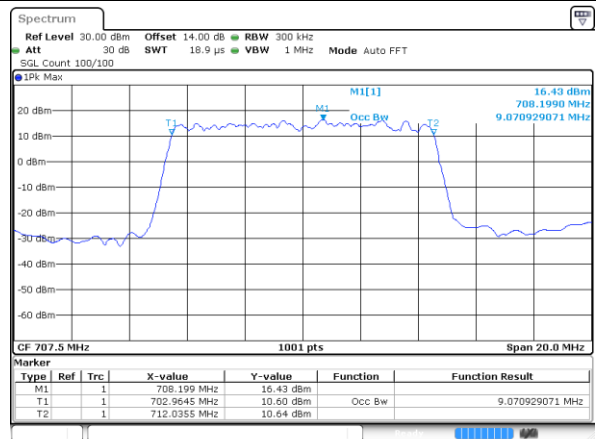
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 2 JAN 2025 12:15:29

Middle Channel / 10MHz / 16QAM



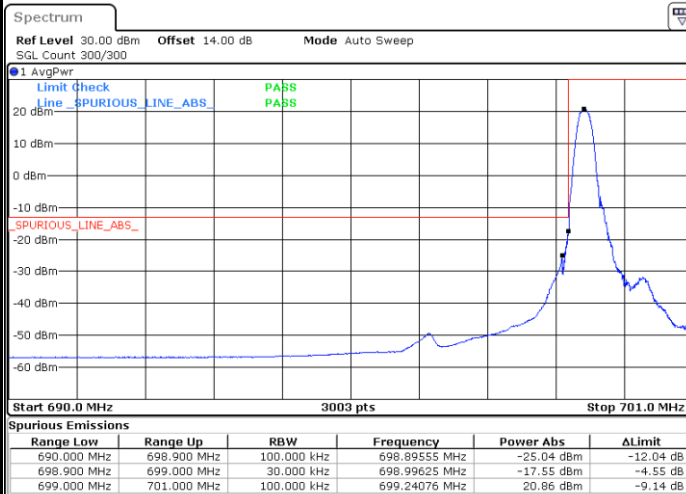
Date: 2 JAN 2025 12:16:09



Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

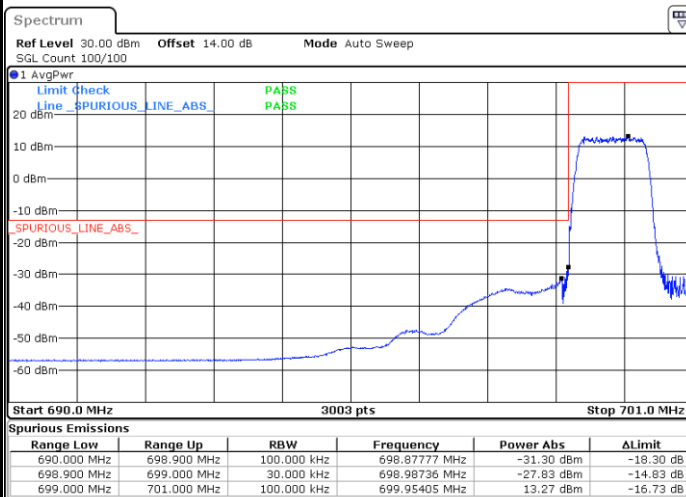
Lowest Band Edge / 1RB



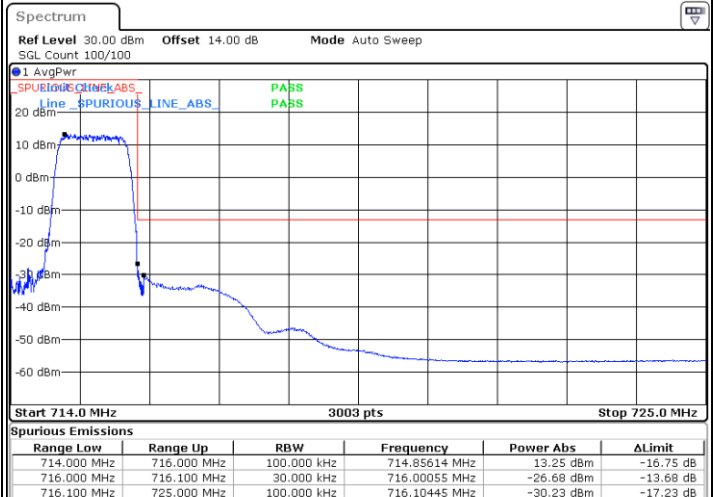
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



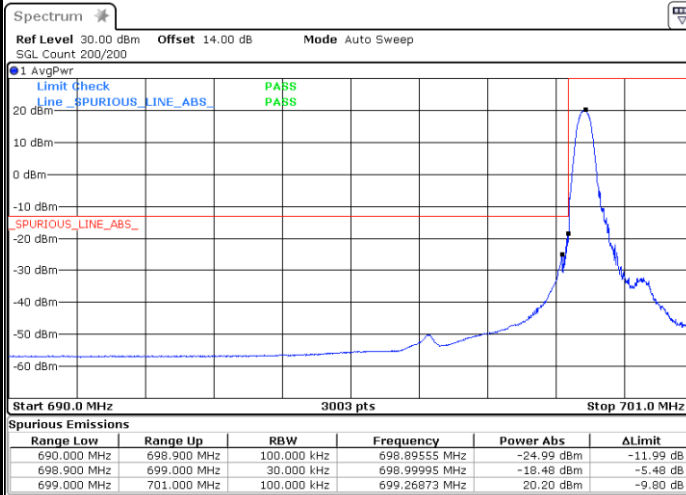
Highest Band Edge / Full RB



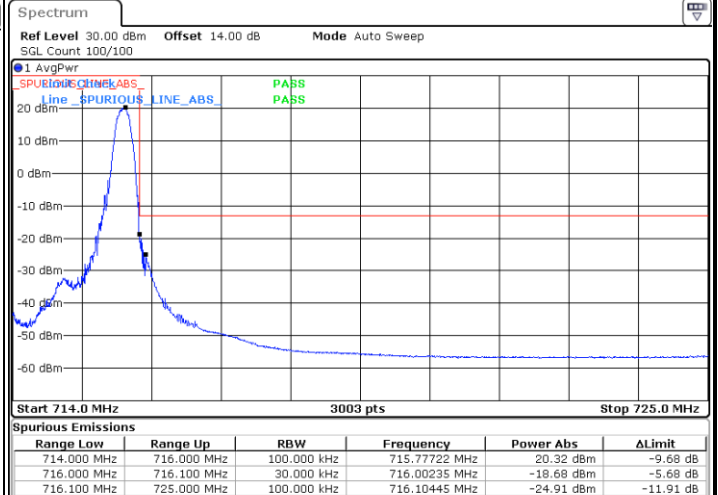


LTE Band 12 / 1.4MHz / 16QAM

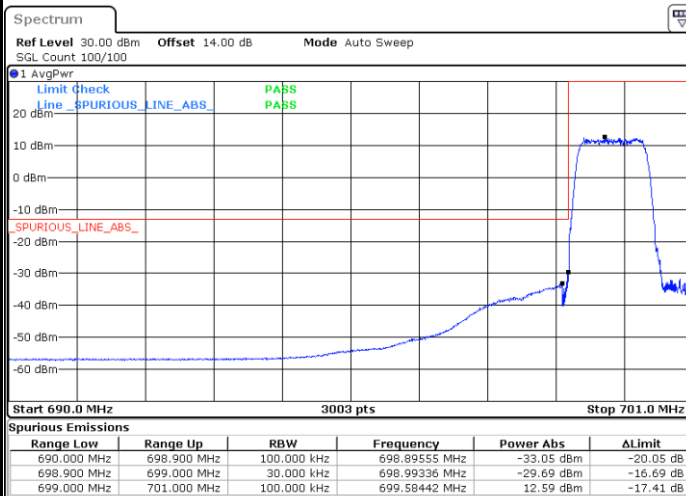
Lowest Band Edge / 1 RB



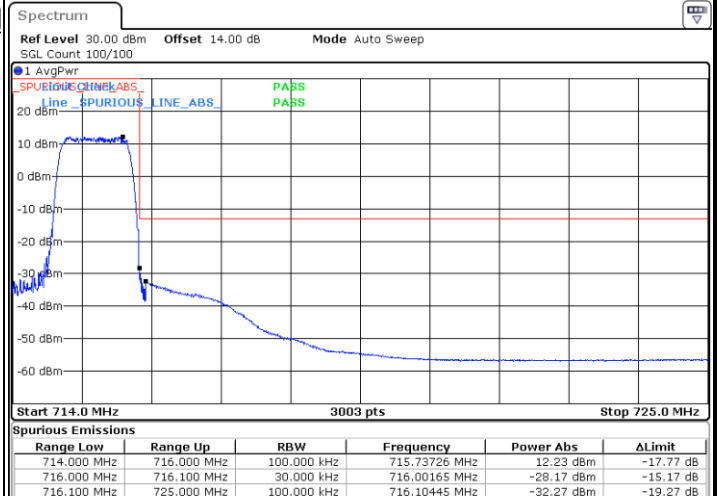
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



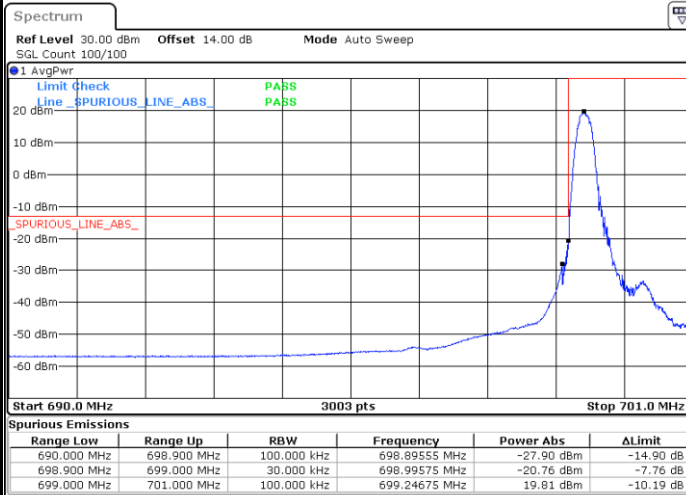
Highest Band Edge / Full RB



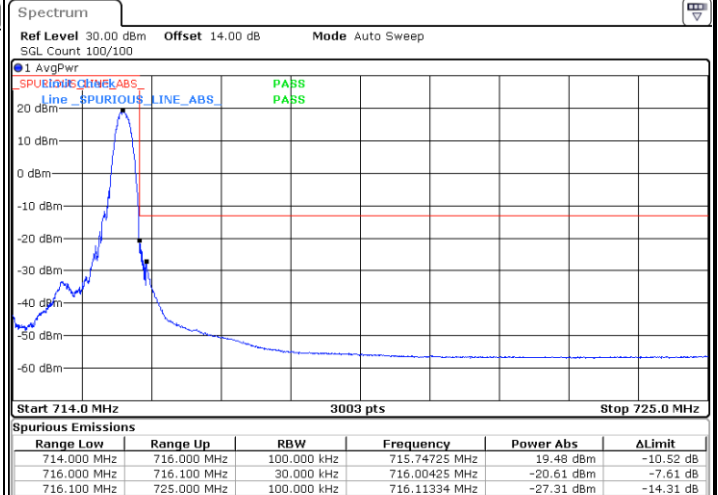


LTE Band 12 / 1.4MHz / 64QAM

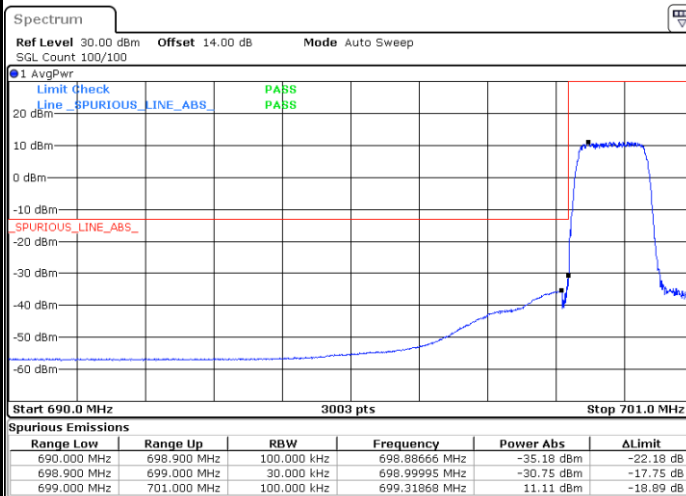
Lowest Band Edge / 1 RB



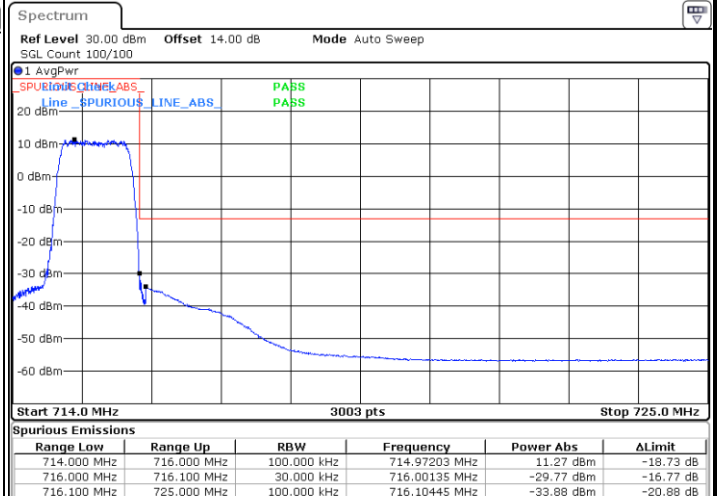
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



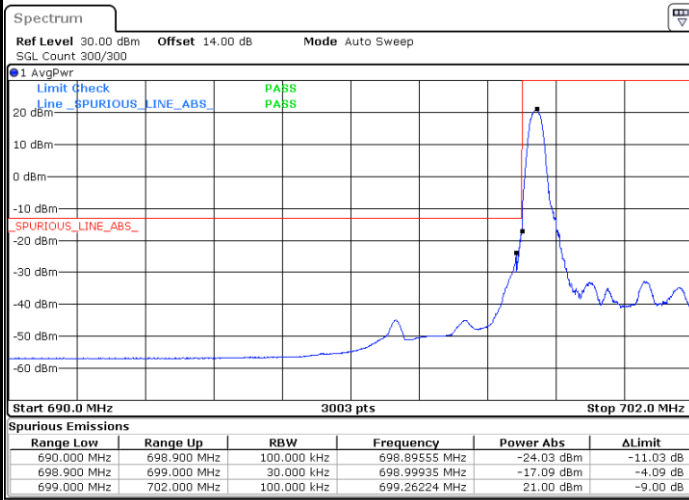
Highest Band Edge / Full RB





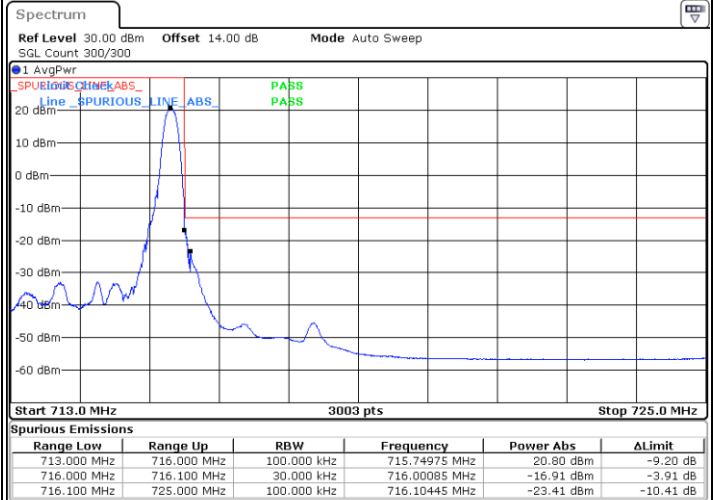
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



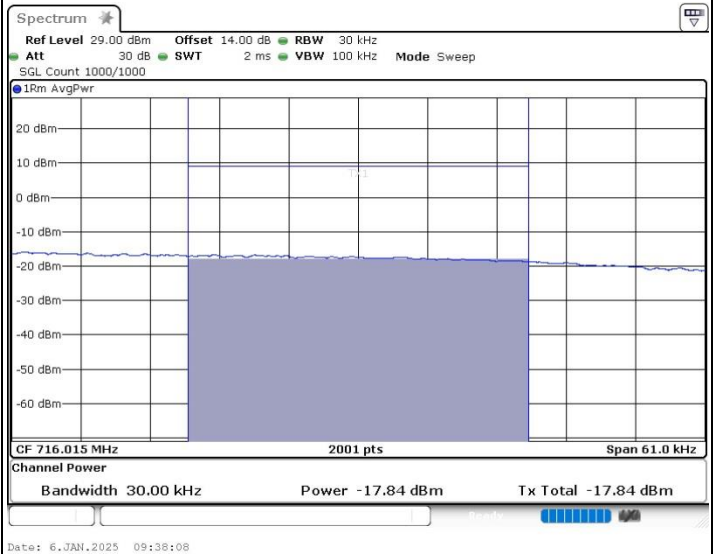
Date: 6.JAN.2025 09:08:25

Highest Band Edge / 1RB

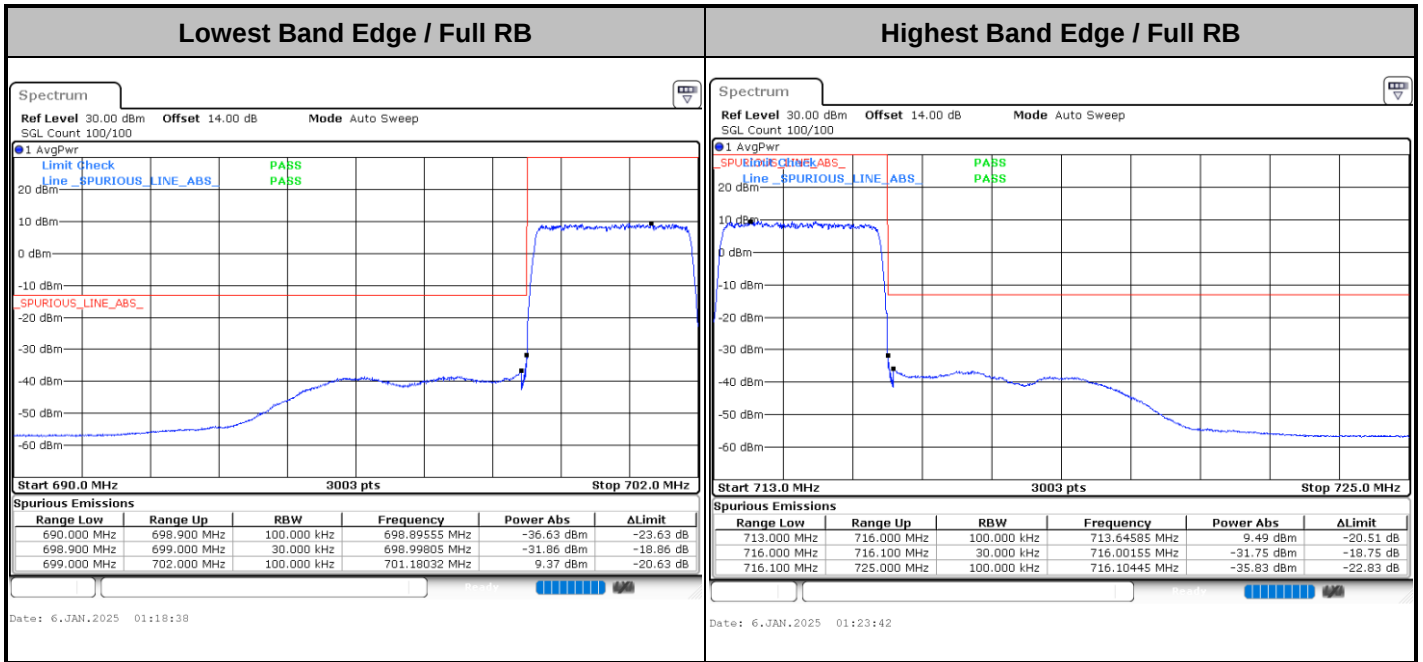


Date: 6.JAN.2025 09:35:17

Highest Band Edge / 1RB-CP



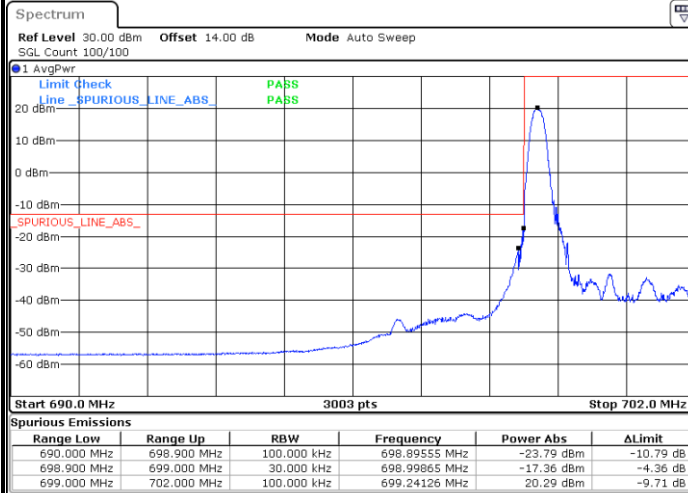
Date: 6.JAN.2025 09:38:08



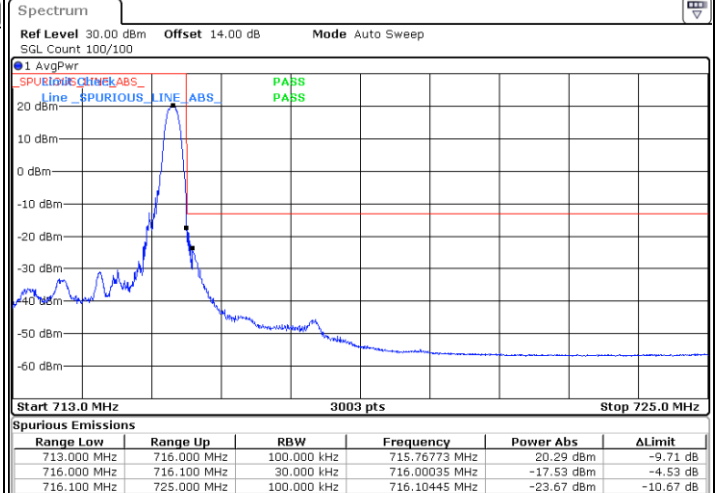


LTE Band 12 / 3MHz / 16QAM

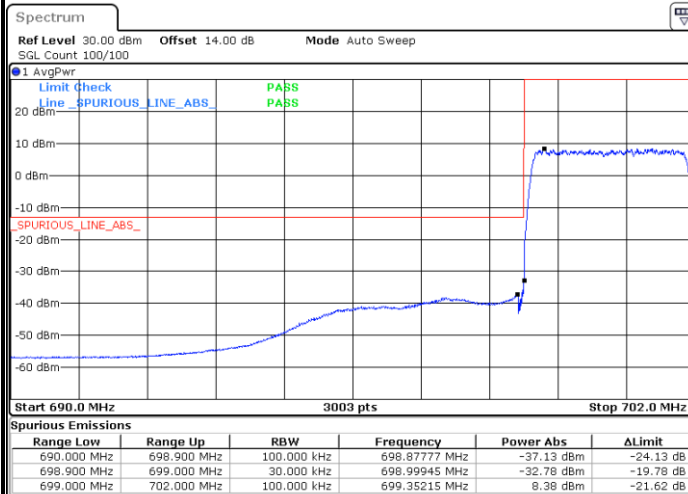
Lowest Band Edge / 1 RB



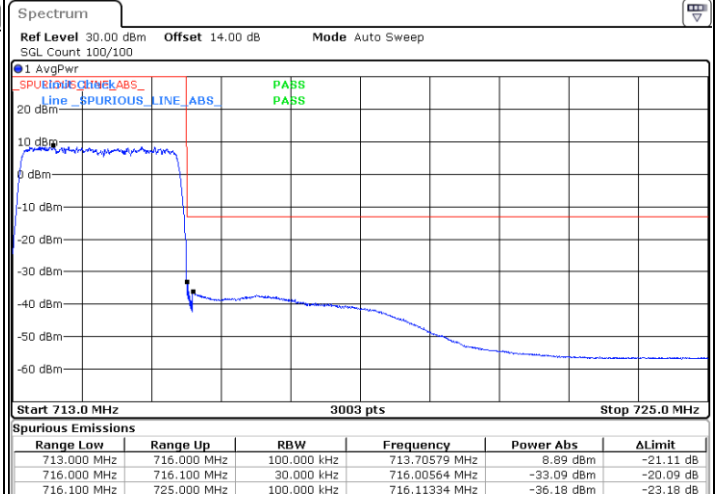
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



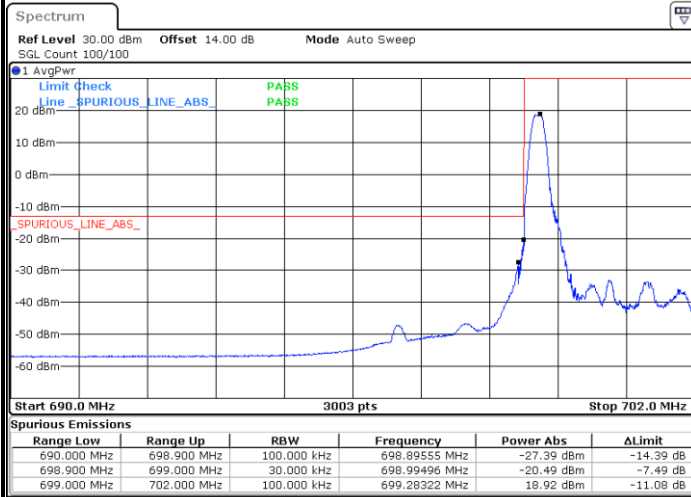
Highest Band Edge / Full RB



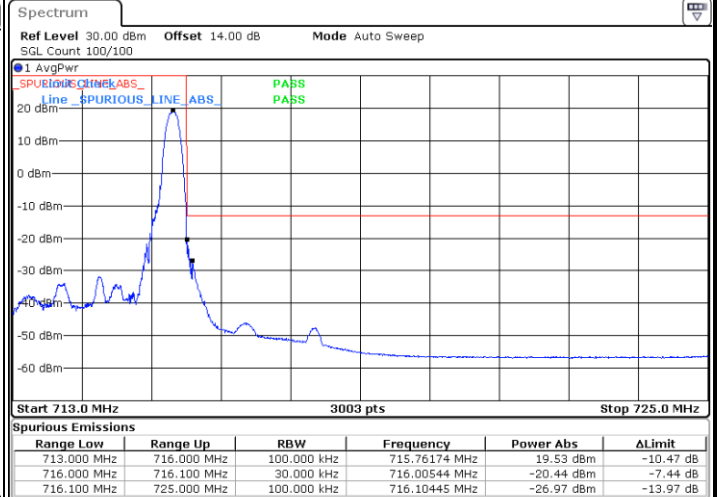


LTE Band 12 / 3MHz / 64QAM

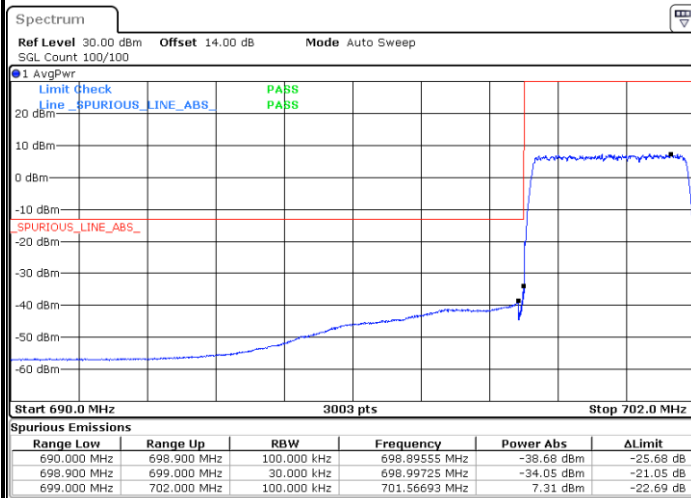
Lowest Band Edge / 1 RB



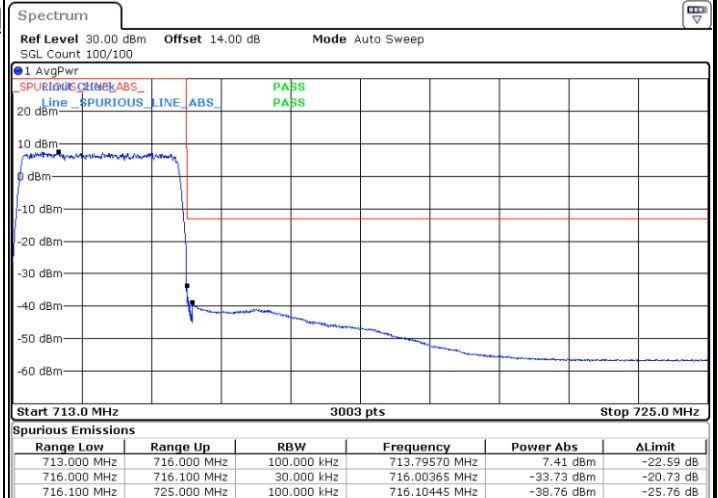
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



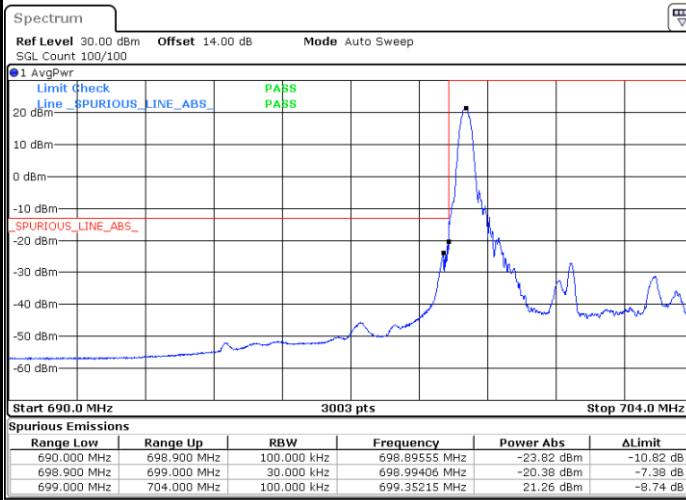
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / QPSK

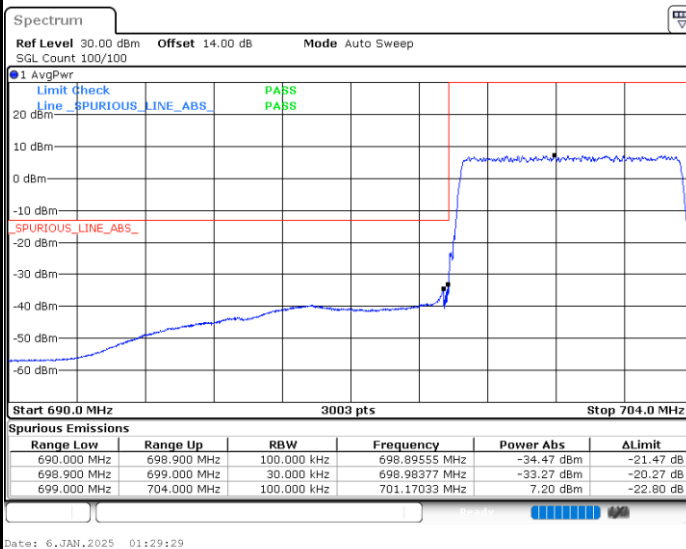
Lowest Band Edge / 1RB



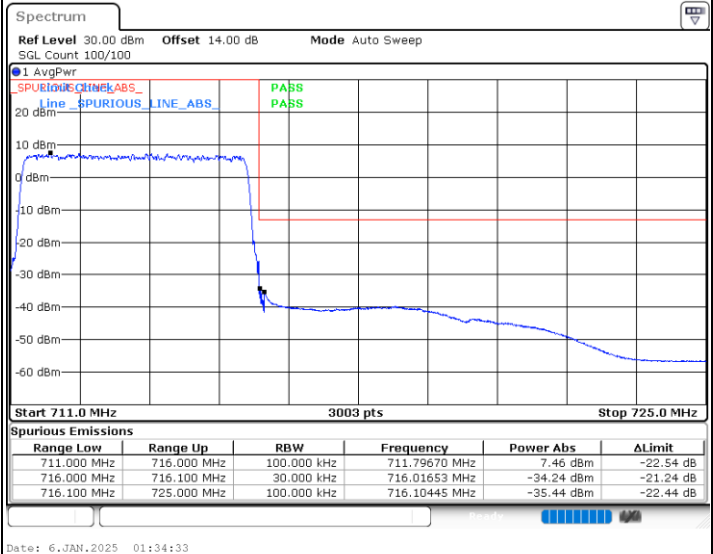
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



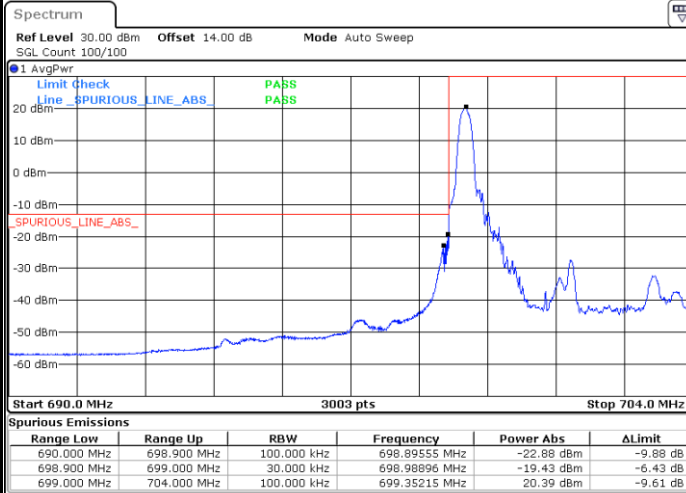
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



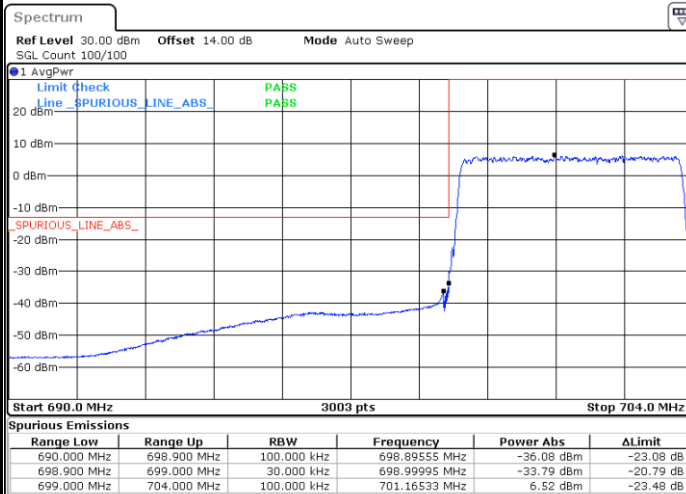
Date: 6.JAN.2025 01:27:47

Highest Band Edge / 1 RB



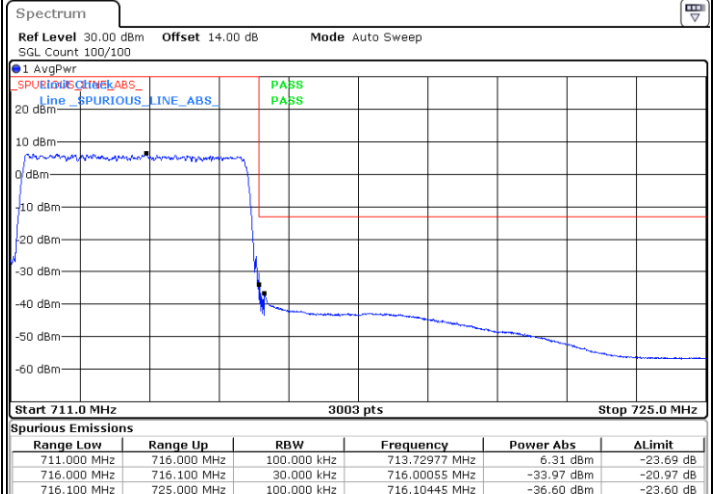
Date: 6.JAN.2025 01:32:51

Lowest Band Edge / Full RB



Date: 6.JAN.2025 01:30:19

Highest Band Edge / Full RB

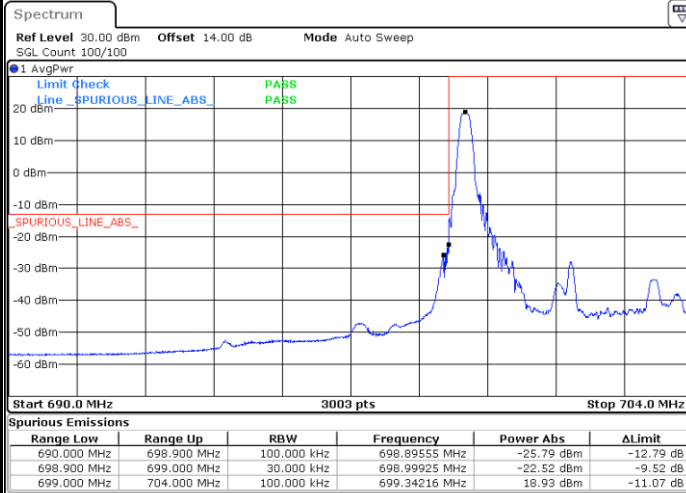


Date: 6.JAN.2025 01:35:23



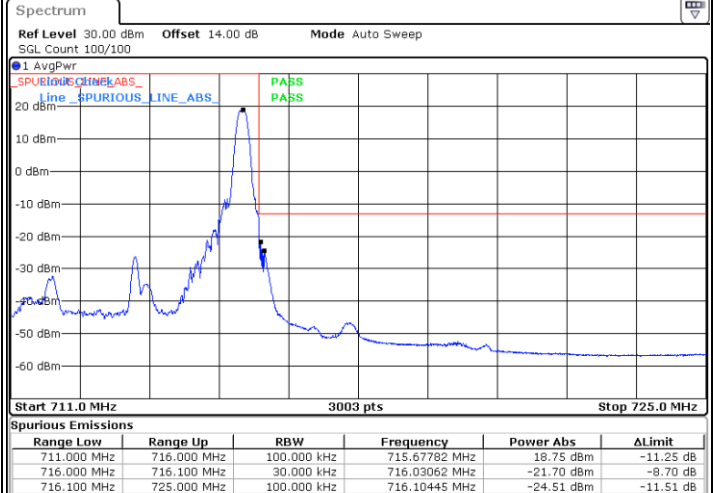
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



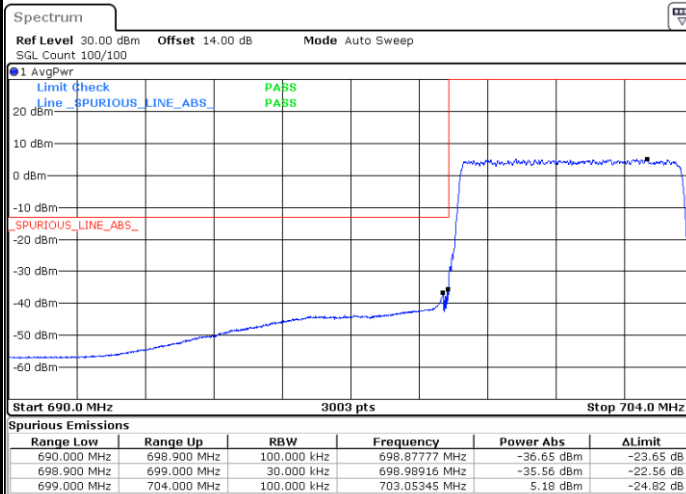
Date: 6.JAN.2025 01:28:38

Highest Band Edge / 1 RB



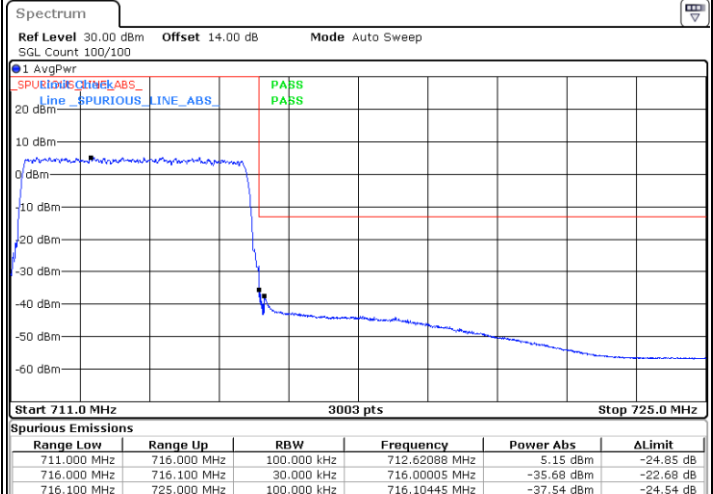
Date: 6.JAN.2025 01:33:42

Lowest Band Edge / Full RB



Date: 6.JAN.2025 01:31:10

Highest Band Edge / Full RB

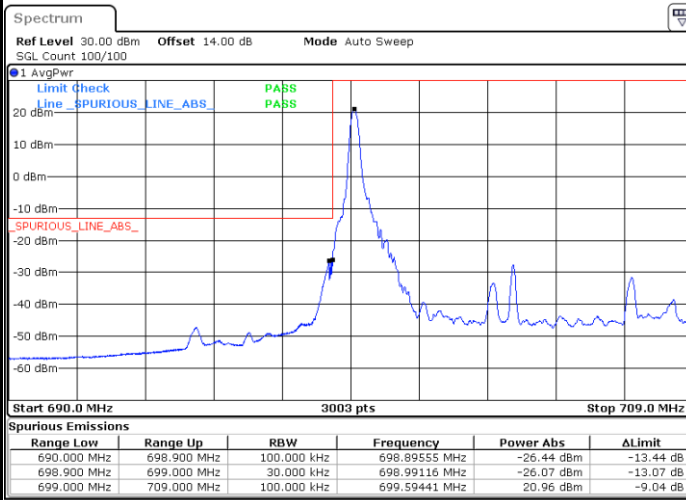


Date: 6.JAN.2025 01:36:14

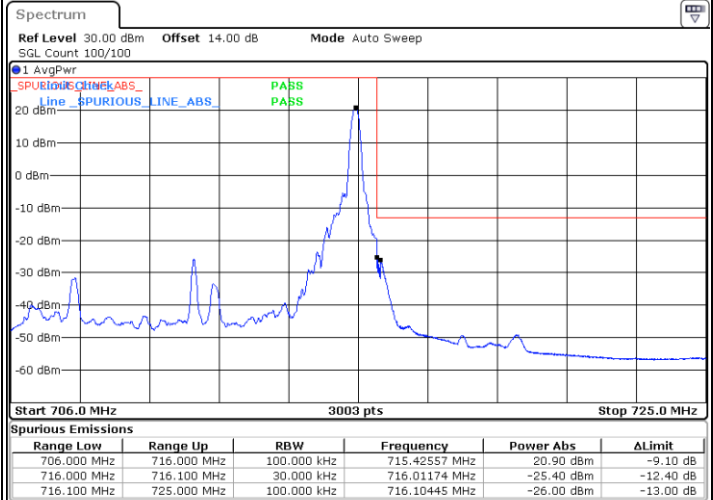


LTE Band 12 / 10MHz / QPSK

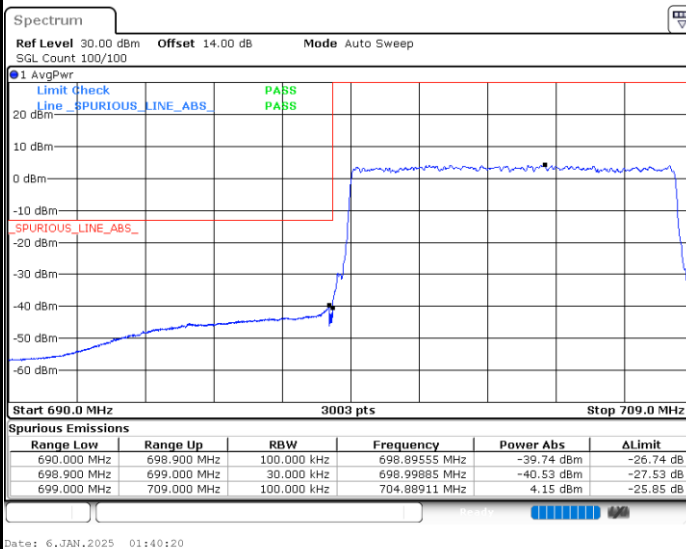
Lowest Band Edge / 1RB



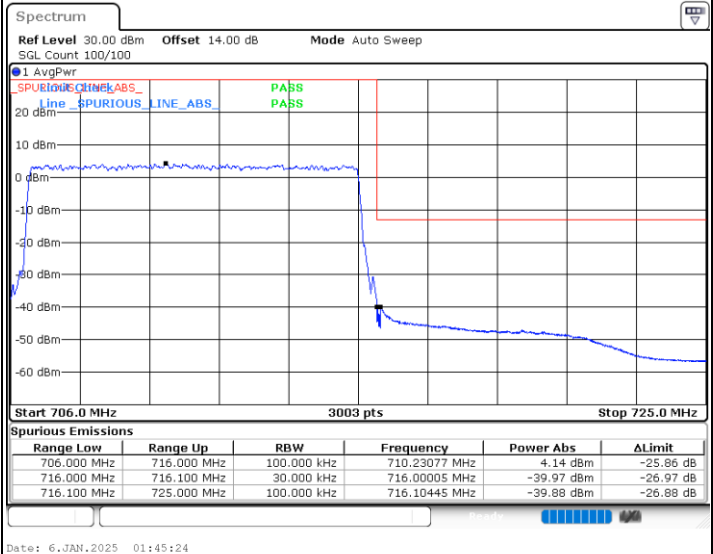
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



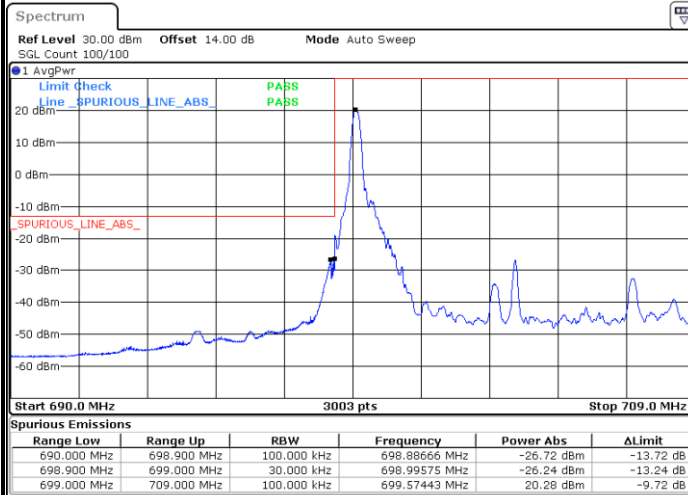
Highest Band Edge / Full RB



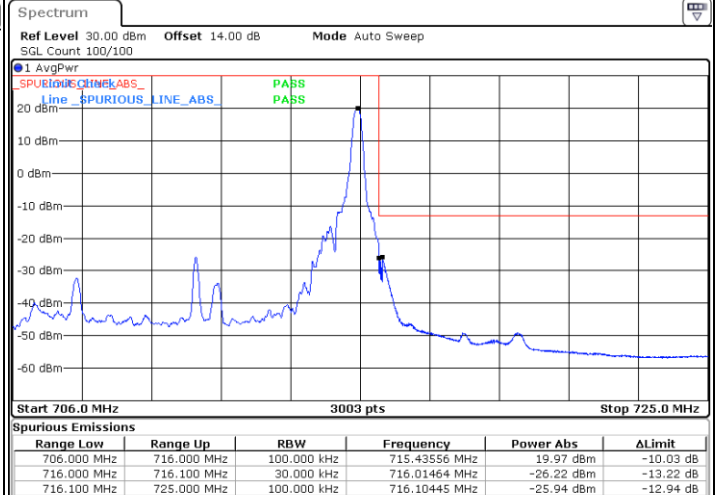


LTE Band 12 / 10MHz / 16QAM

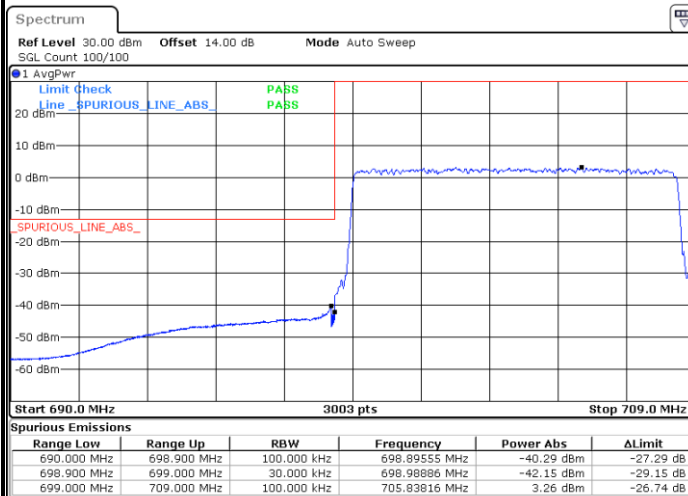
Lowest Band Edge / 1 RB



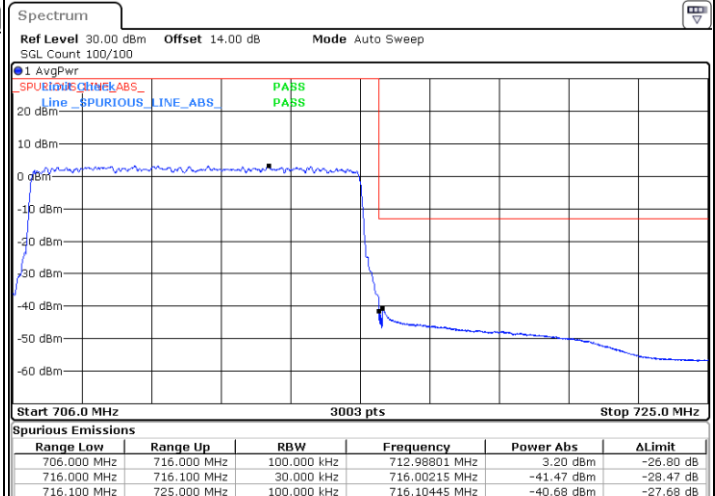
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



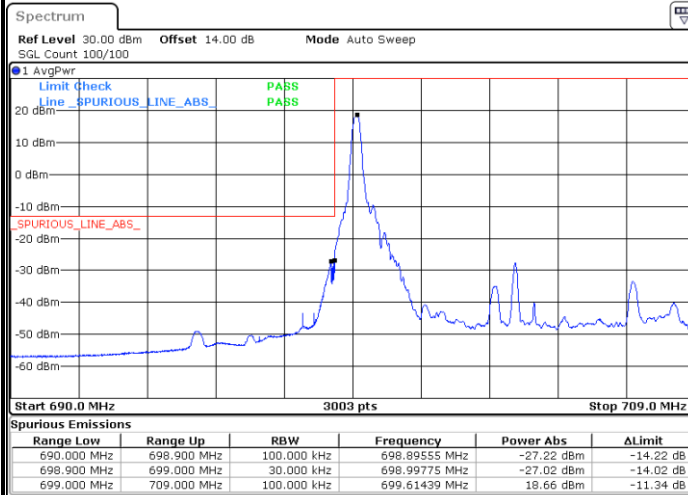
Highest Band Edge / Full RB



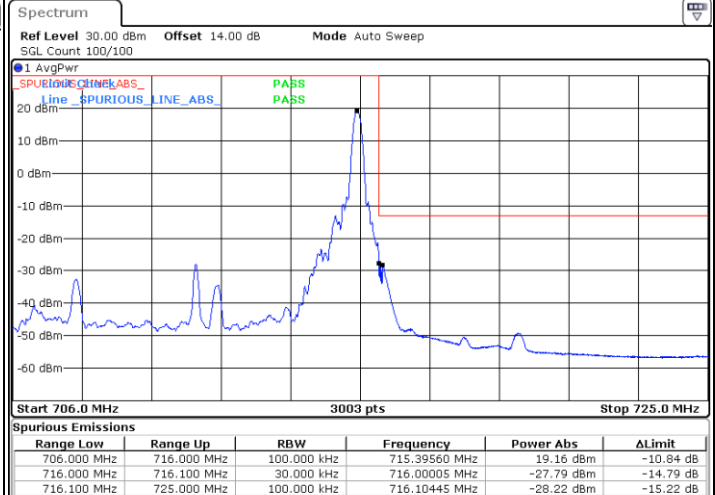


LTE Band 12 / 10MHz / 64QAM

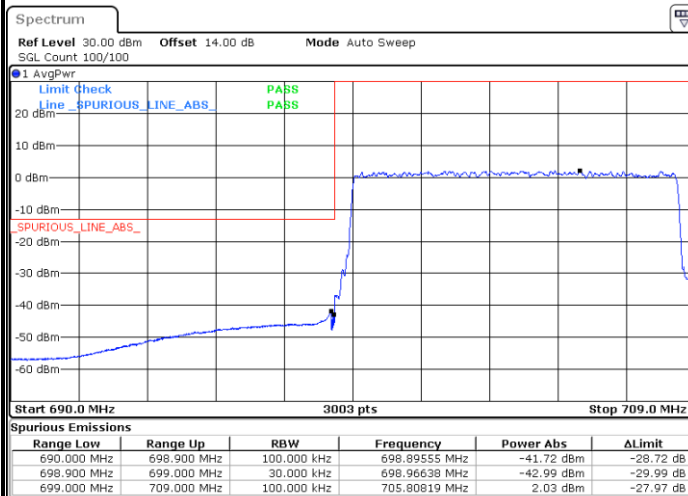
Lowest Band Edge / 1 RB



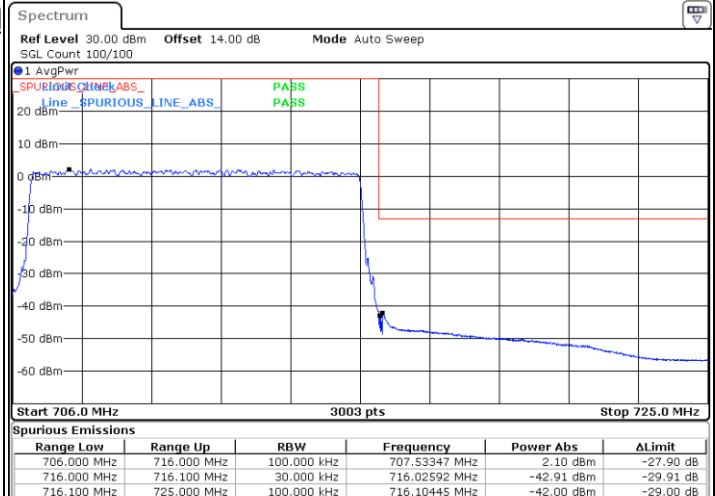
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

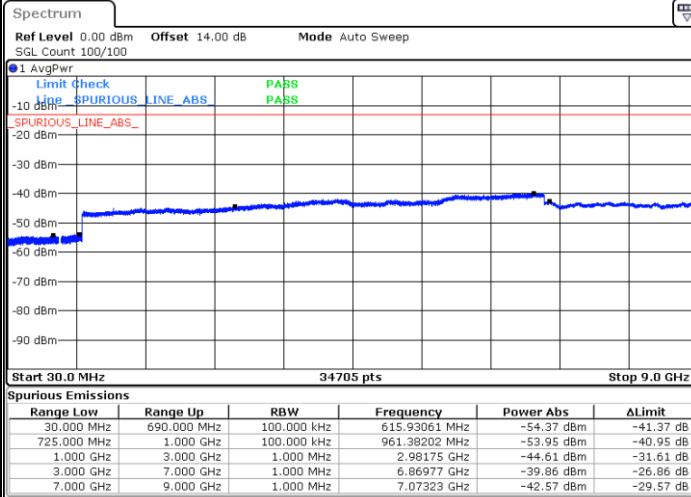




Conducted Spurious Emission

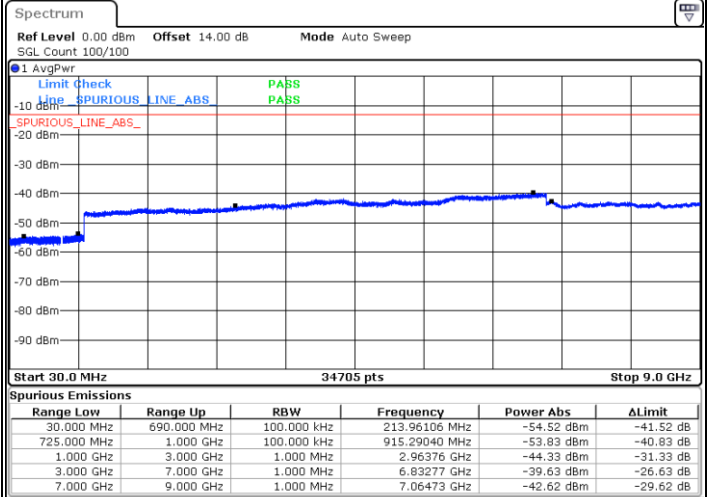
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



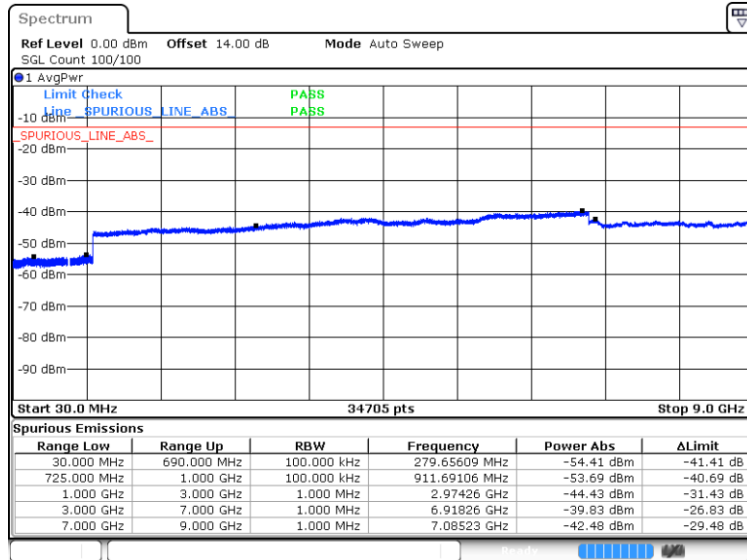
Date: 2 JAN 2025 11:33:46

Middle Channel / QPSK



Date: 2 JAN 2025 11:34:31

Highest Channel / QPSK

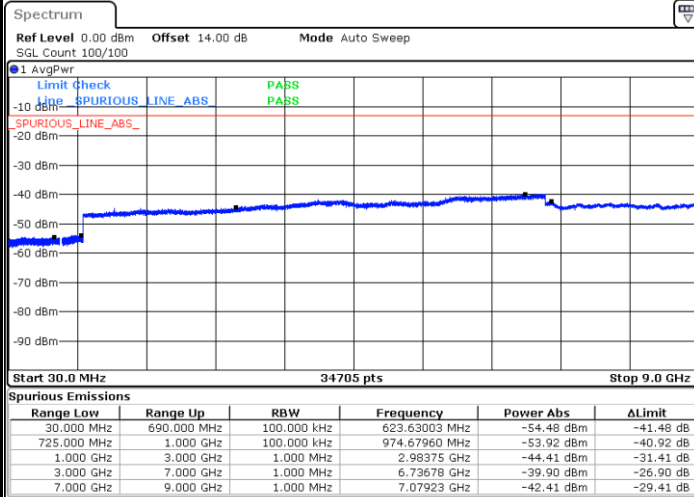


Date: 2 JAN 2025 11:41:10



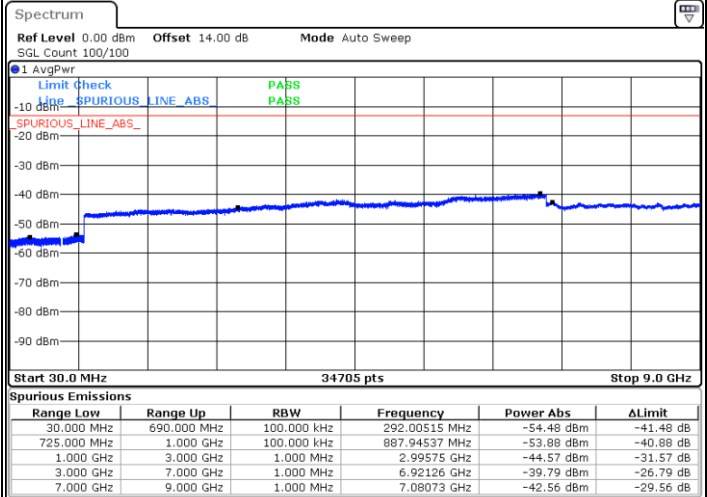
LTE Band 12 / 3MHz

Lowest Channel / QPSK



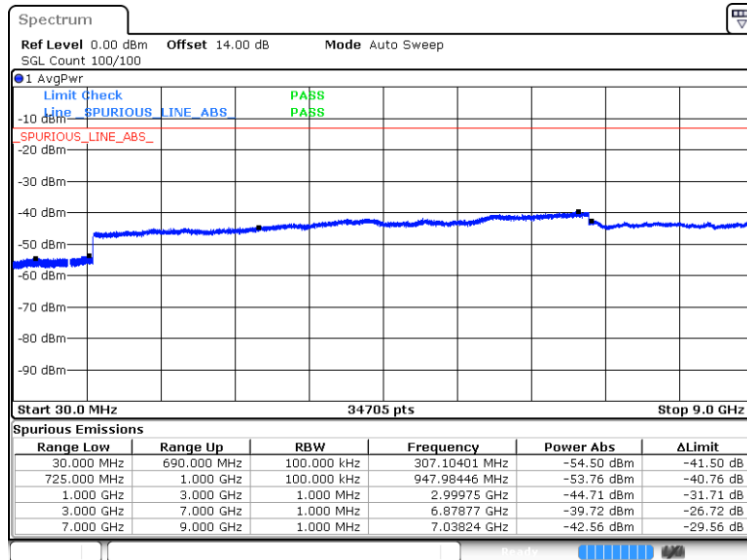
Date: 2 JAN 2025 11:47:14

Middle Channel / QPSK



Date: 2 JAN 2025 11:48:03

Highest Channel / QPSK

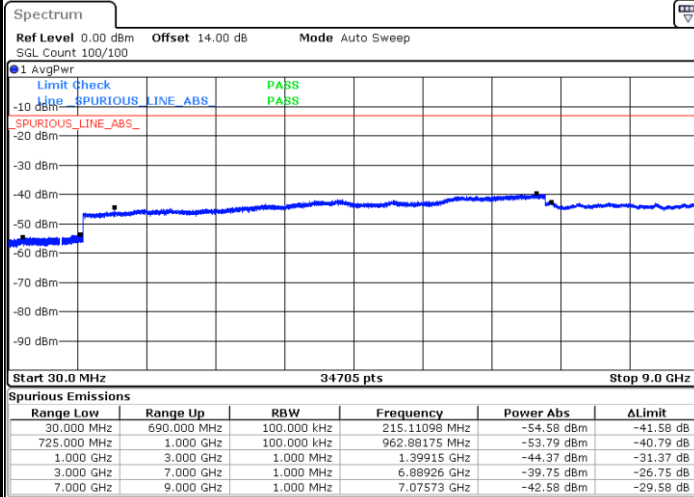


Date: 2 JAN 2025 11:54:42



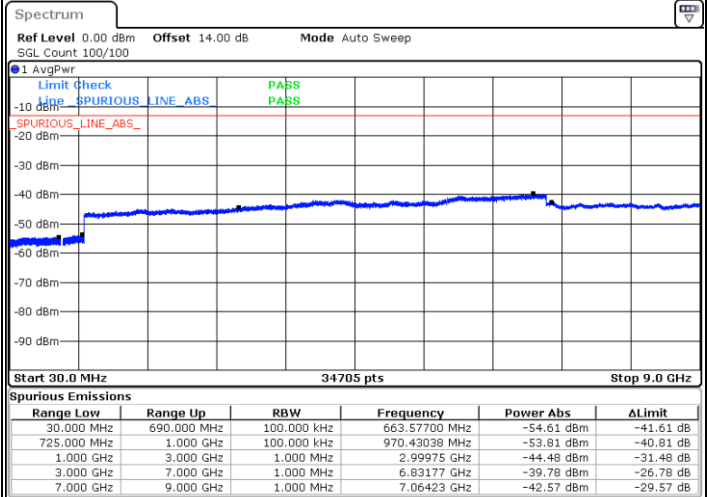
LTE Band 12 / 5MHz

Lowest Channel / QPSK



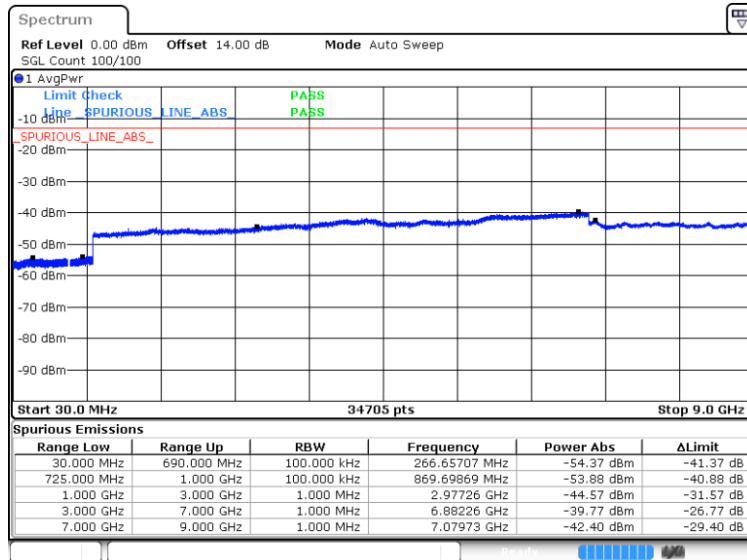
Date: 2 JAN 2025 12:00:47

Middle Channel / QPSK



Date: 2 JAN 2025 12:01:32

Highest Channel / QPSK

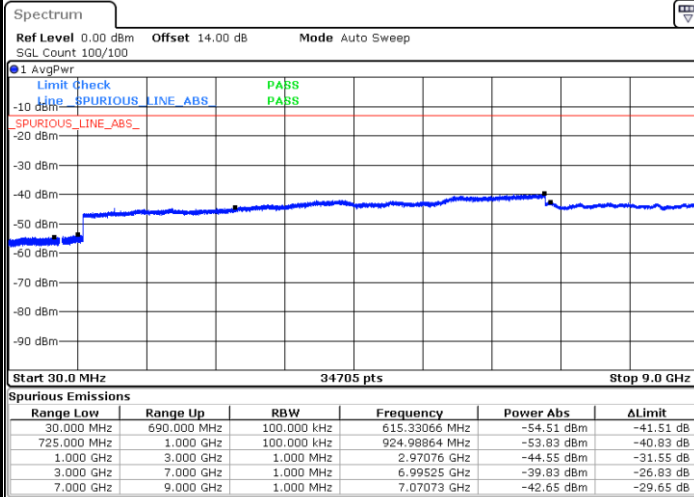


Date: 2 JAN 2025 12:08:11



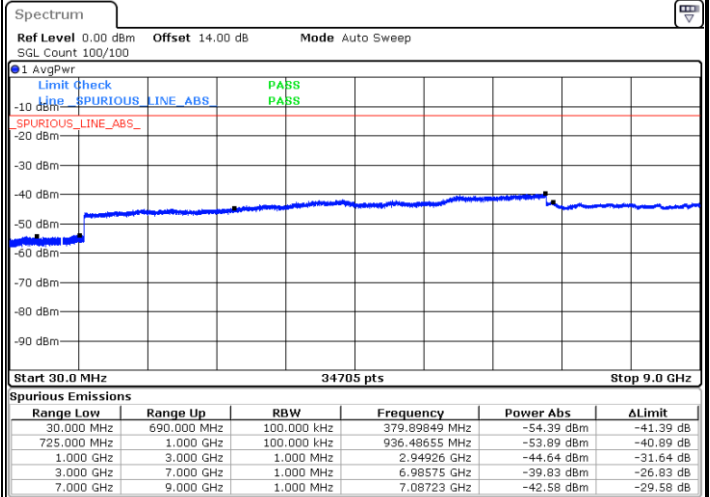
LTE Band 12 / 10MHz

Lowest Channel / QPSK



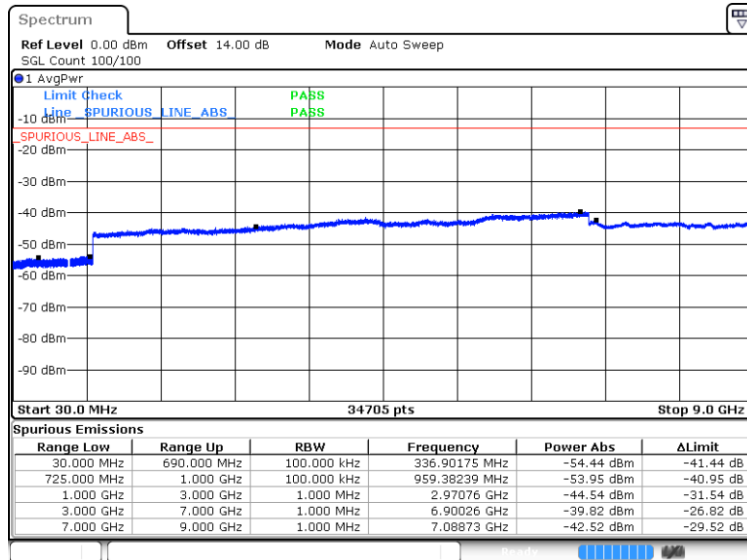
Date: 2 JAN 2025 12:14:18

Middle Channel / QPSK



Date: 2 JAN 2025 12:15:03

Highest Channel / QPSK



Date: 2 JAN 2025 12:21:44

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	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0044	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0130	
20	Maximum Voltage	0.0150	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

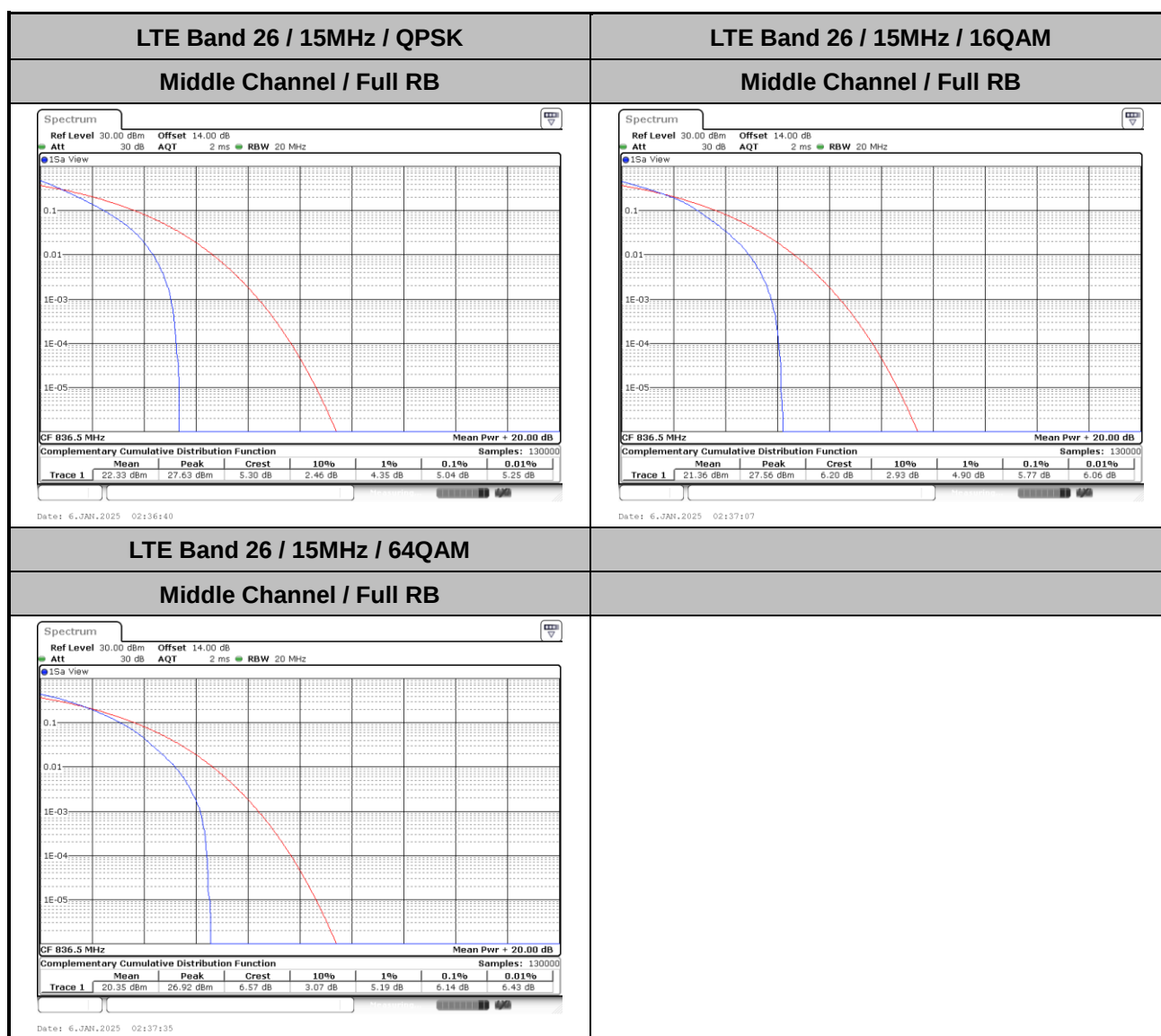
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26

Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.04	5.77	6.14	PASS



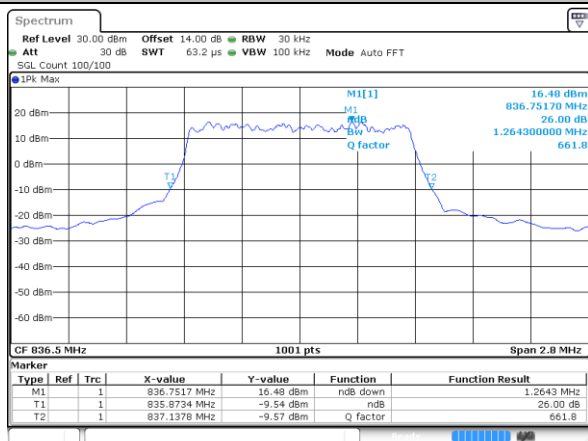


26dB Bandwidth

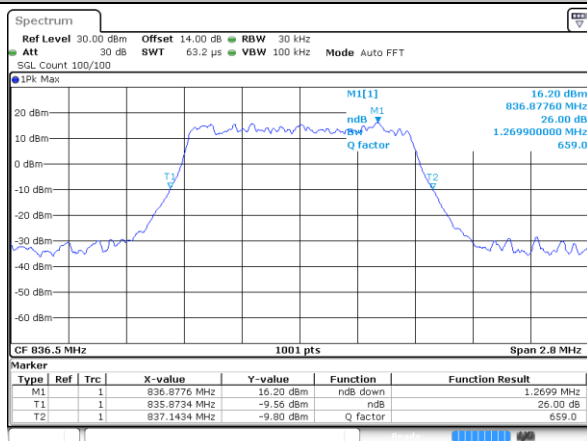
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.26	1.27	3.00	3.02	4.84	4.91	9.93	9.85	14.33	14.45	-	-

LTE Band 26

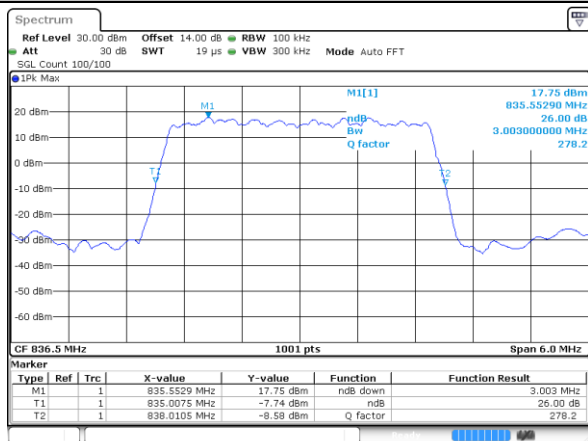
Middle Channel / 1.4MHz / QPSK



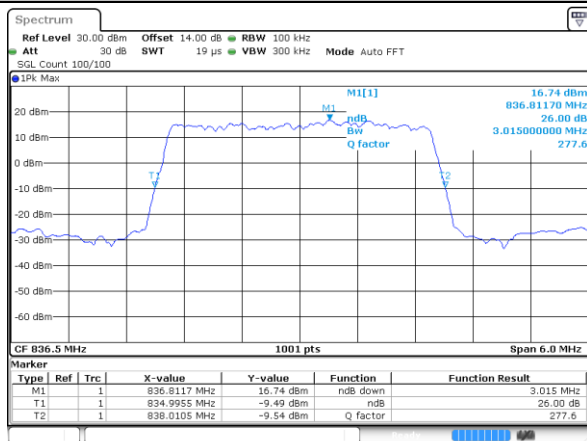
Middle Channel / 1.4MHz / 16QAM



Middle Channel / 3MHz / QPSK

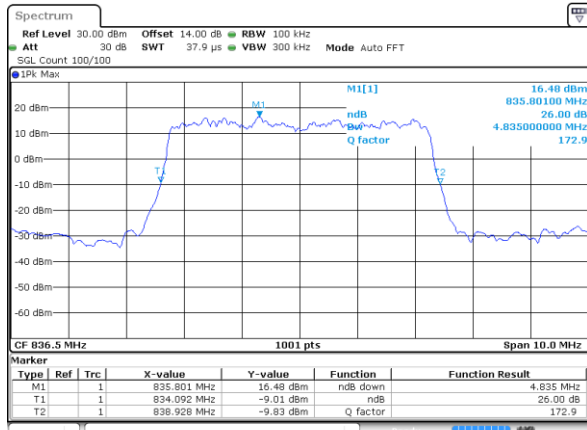


Middle Channel / 3MHz / 16QAM



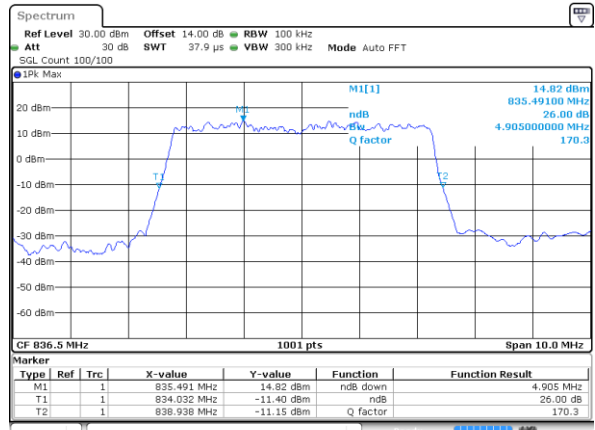


Middle Channel / 5MHz / QPSK



Date: 2 JAN 2025 10:50:10

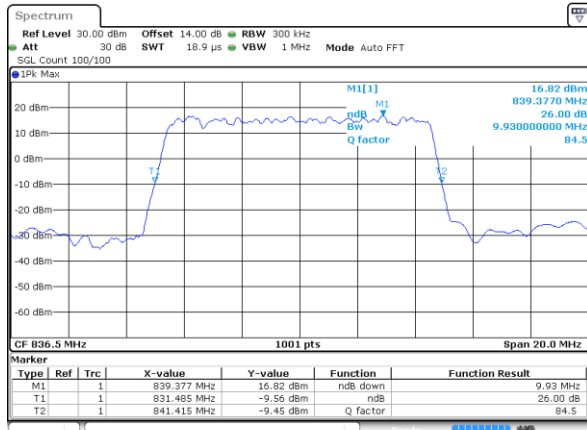
Middle Channel / 5MHz / 16QAM



Date: 2 JAN 2025 10:50:50

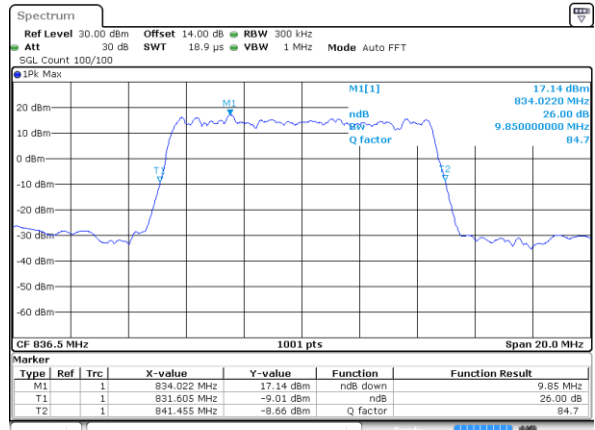
LTE Band 26

Middle Channel / 10MHz / QPSK



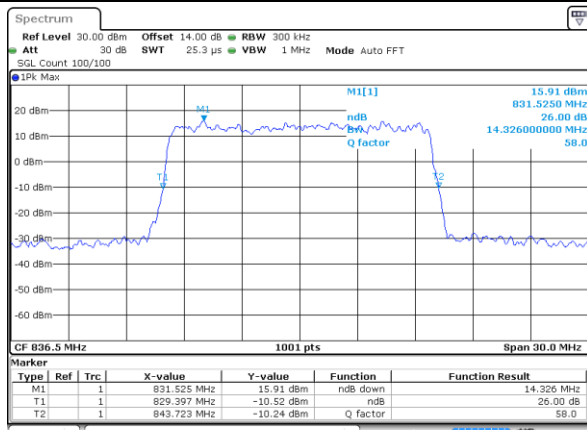
Date: 2 JAN 2025 11:04:45

Middle Channel / 10MHz / 16QAM



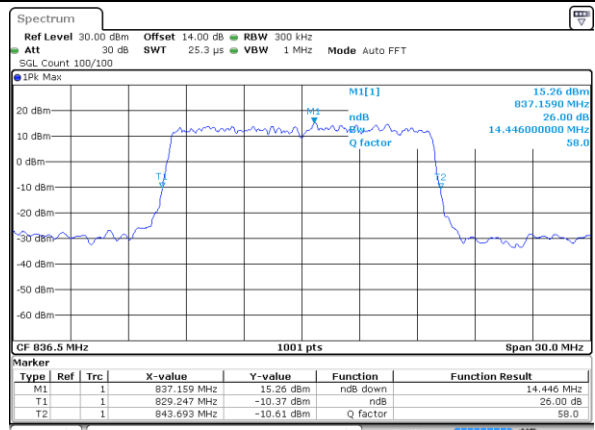
Date: 2 JAN 2025 11:05:25

Middle Channel / 15MHz / QPSK



Date: 2 JAN 2025 11:18:08

Middle Channel / 15MHz / 16QAM



Date: 2 JAN 2025 11:18:48