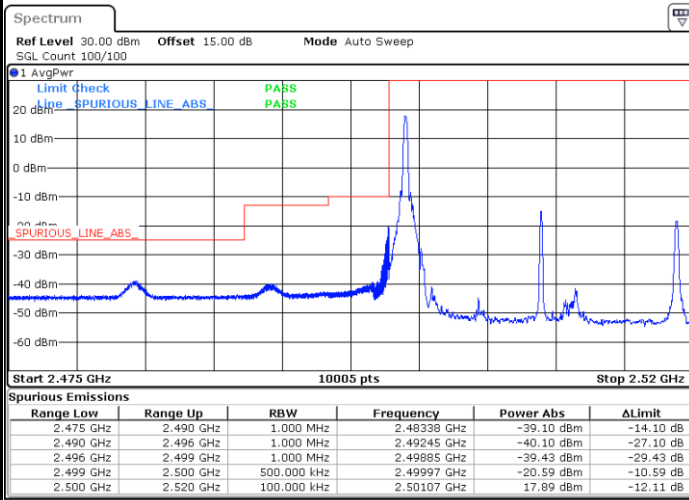




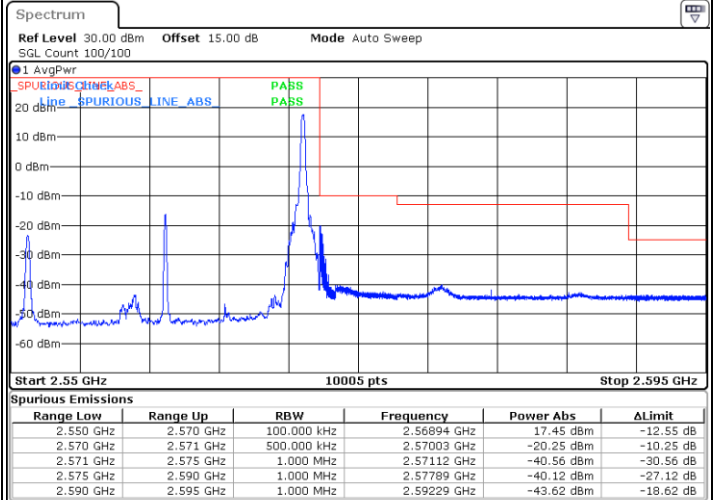
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1RB



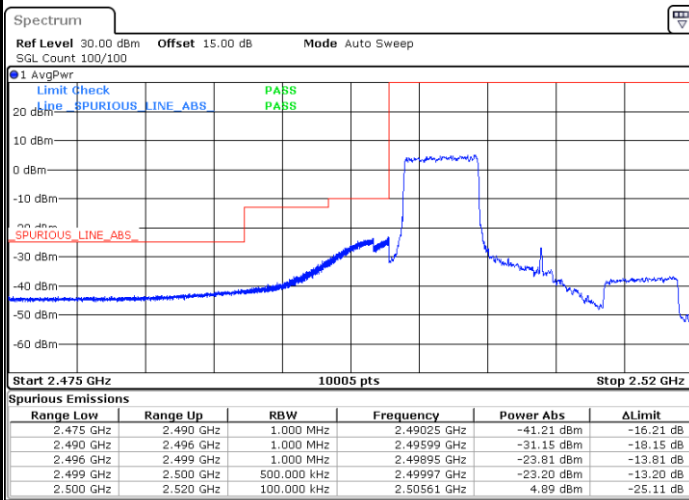
Date: 21 MAR 2025 17:00:06

Highest Band Edge / 1 RB



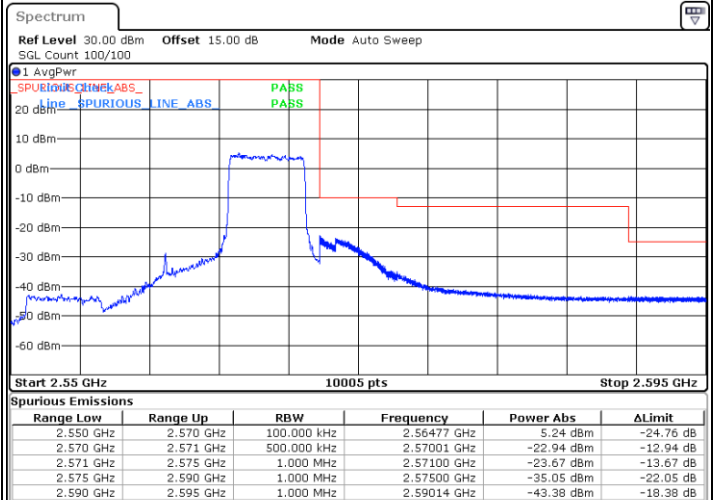
Date: 21 MAR 2025 17:08:19

Lowest Band Edge / Full RB



Date: 22 MAR 2025 11:50:26

Highest Band Edge / Full RB



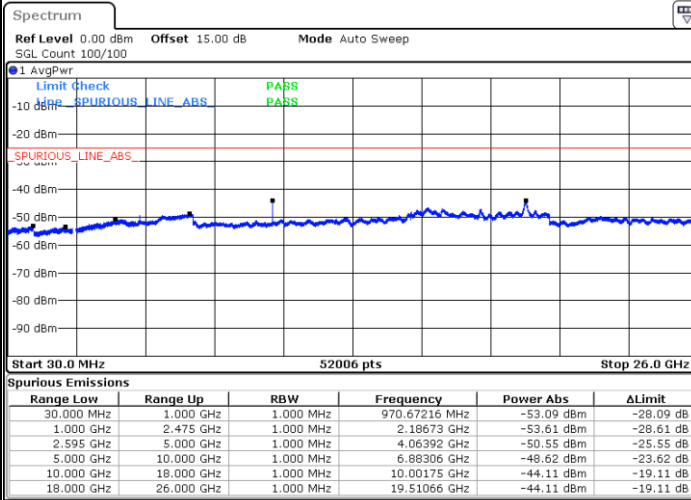
Date: 22 MAR 2025 11:52:28



Conducted Spurious Emission

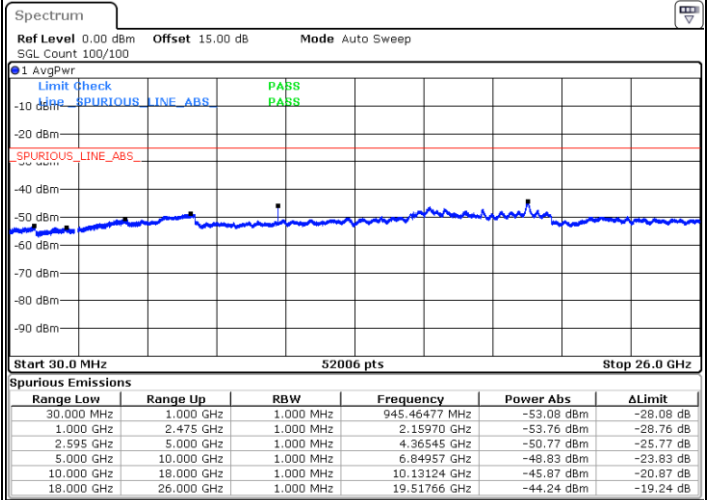
LTE Band 7 / 5MHz

Lowest Channel / QPSK



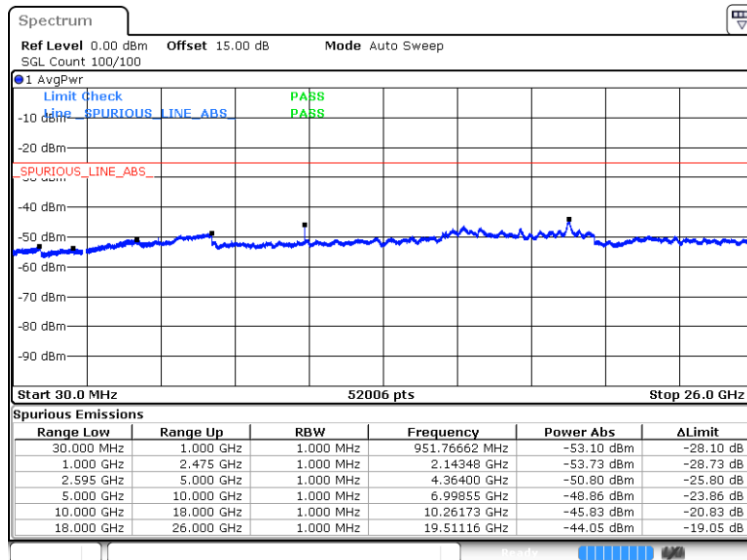
Date: 21.MAR.2025 16:30:26

Middle Channel / QPSK



Date: 21.MAR.2025 16:31:33

Highest Channel / QPSK

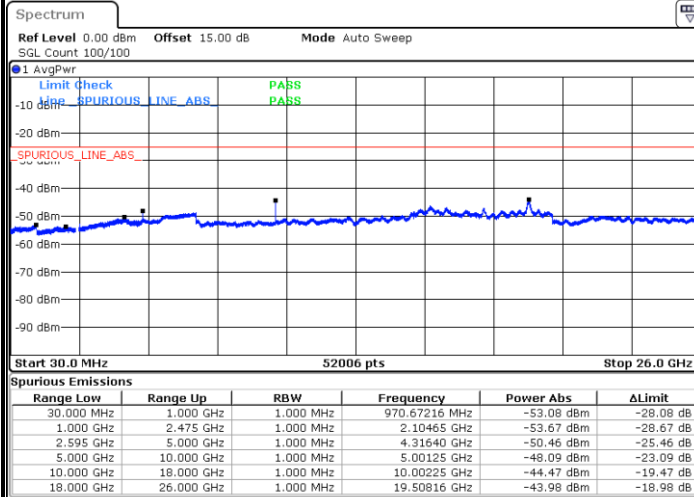


Date: 21.MAR.2025 16:42:16



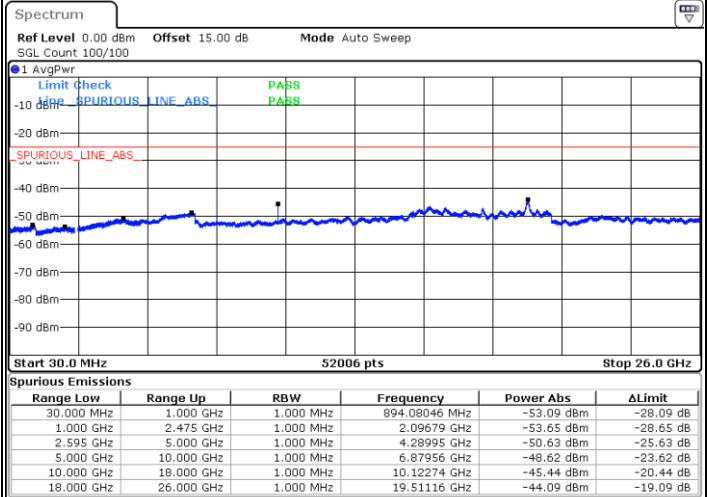
LTE Band 7 / 10MHz

Lowest Channel / QPSK



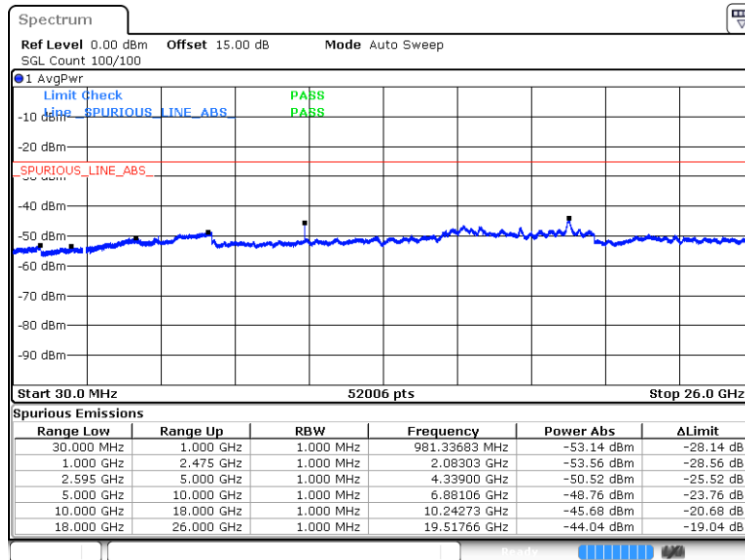
Date: 21.MAR.2025 16:46:40

Middle Channel / QPSK



Date: 21.MAR.2025 16:47:43

Highest Channel / QPSK

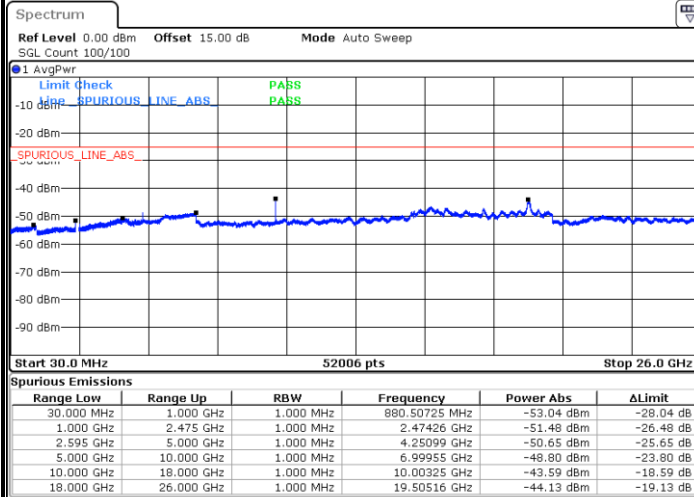


Date: 21.MAR.2025 16:51:17



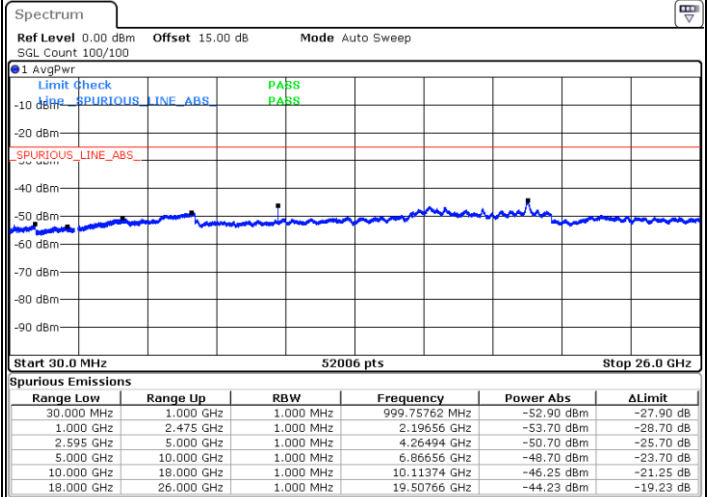
LTE Band 7 / 15MHz

Lowest Channel / QPSK



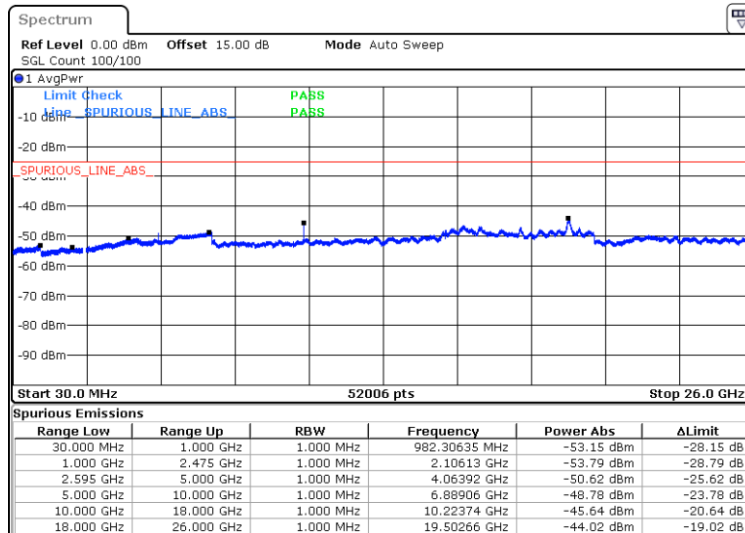
Date: 21.MAR.2025 16:54:13

Middle Channel / QPSK



Date: 21.MAR.2025 16:55:19

Highest Channel / QPSK

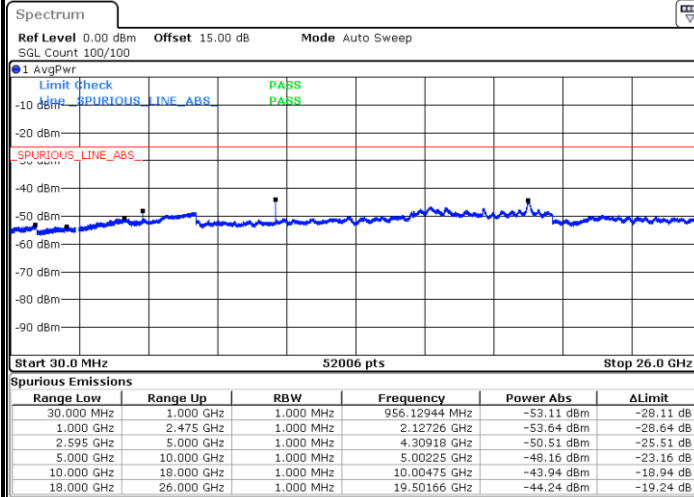


Date: 21.MAR.2025 16:58:52



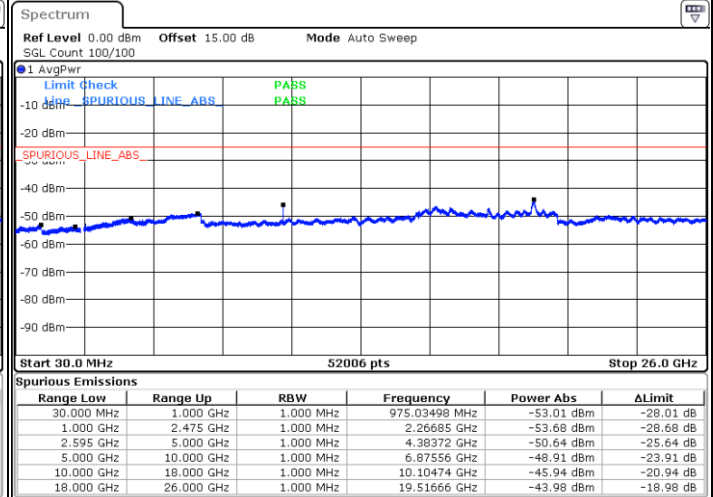
LTE Band 7 / 20MHz

Lowest Channel / QPSK



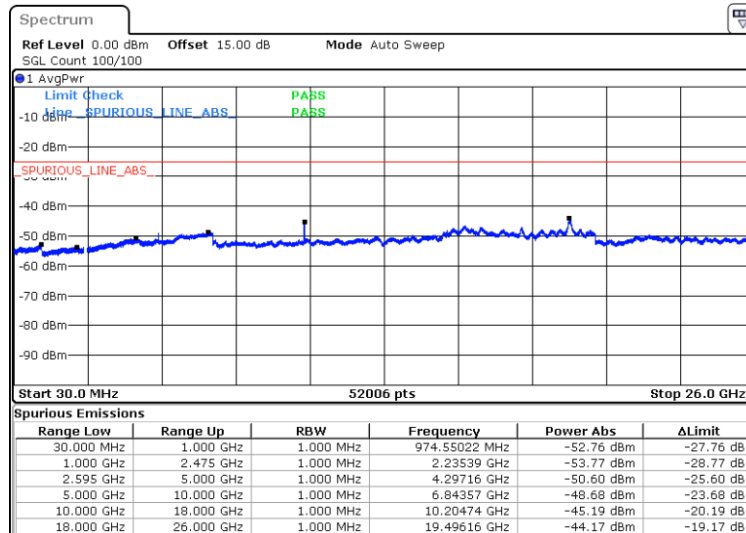
Date: 21.MAR.2025 17:01:48

Middle Channel / QPSK



Date: 21.MAR.2025 17:02:54

Highest Channel / QPSK



Date: 21.MAR.2025 17:11:14

**Frequency Stability**

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0088	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

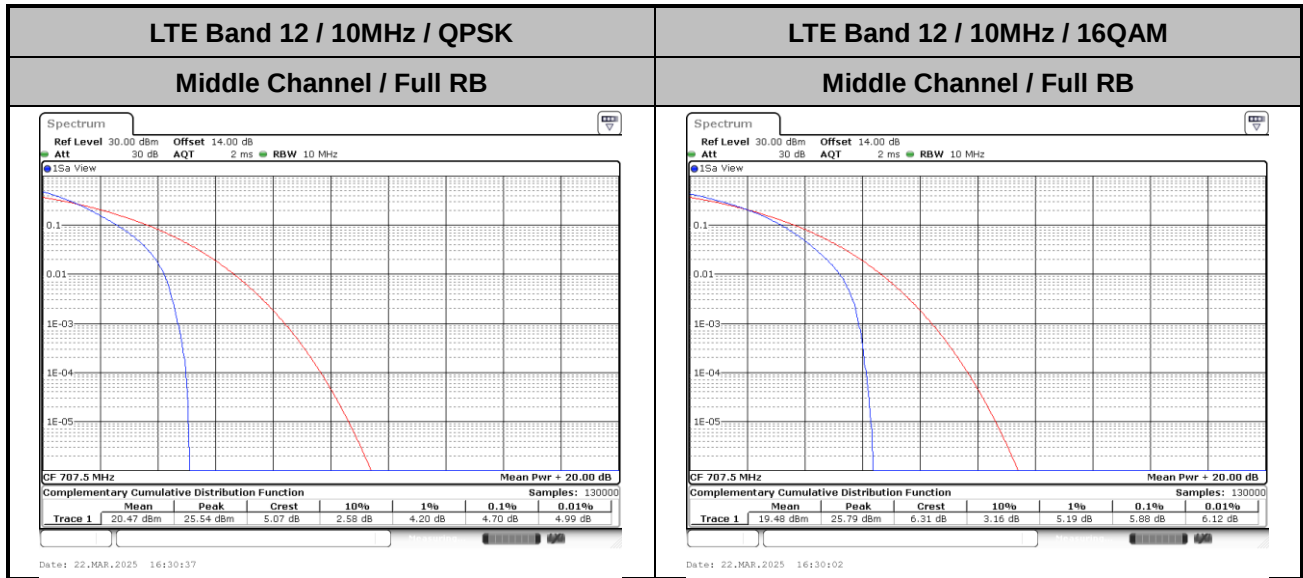
1. Normal Voltage = 3.87 V.; Battery End Point (BEP) = 3.5 V.; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



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	4.70	5.88	-	PASS





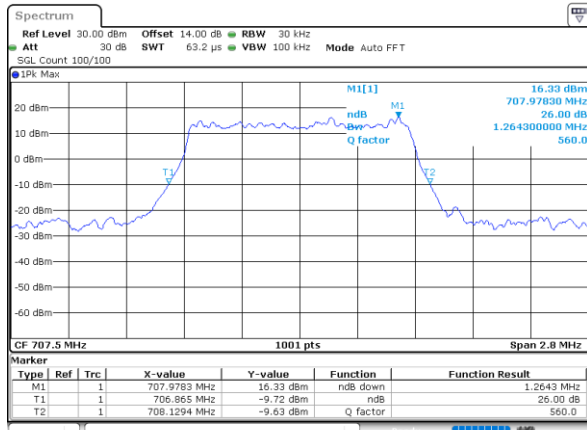
26dB Bandwidth

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	1.26	1.30	3.03	3.00	4.93	4.90	9.85	5.57	-	-	-	-



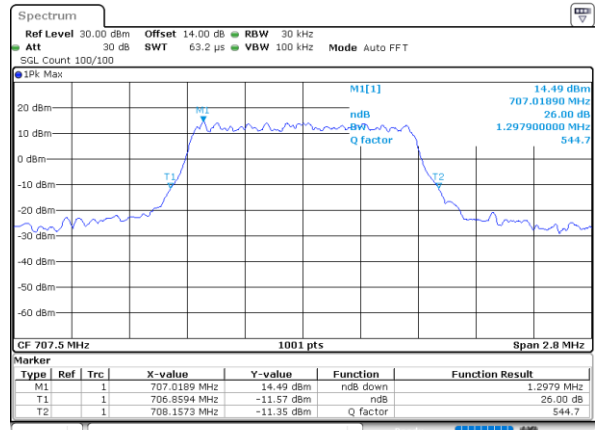
LTE Band 12

Middle Channel / 1.4MHz / QPSK



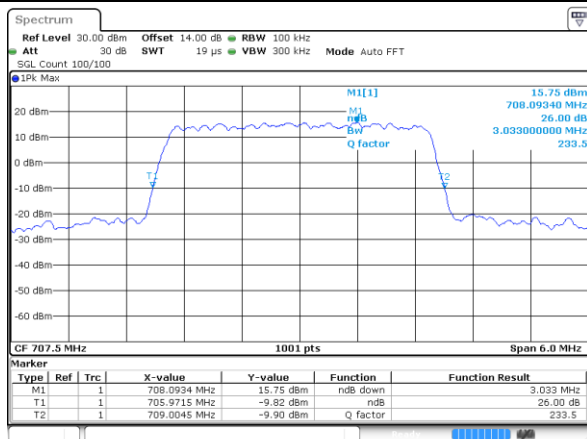
Date: 22, MAR, 2025 14:28:06

Middle Channel / 1.4MHz / 16QAM



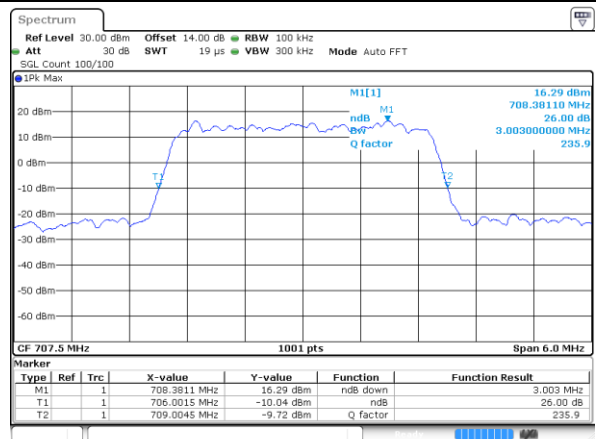
Date: 22, MAR, 2025 14:28:45

Middle Channel / 3MHz / QPSK



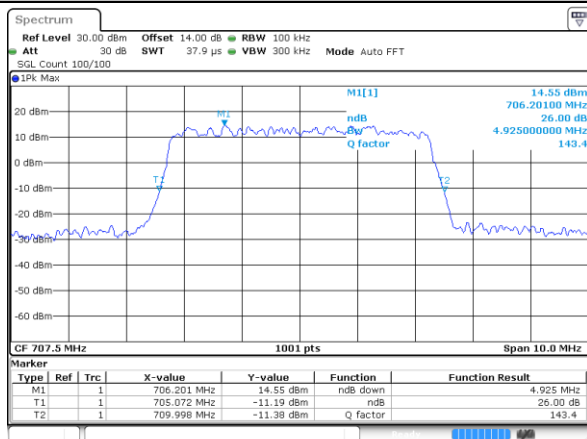
Date: 21 MAR 2025 17:19:55

Middle Channel / 3MHz / 16QAM



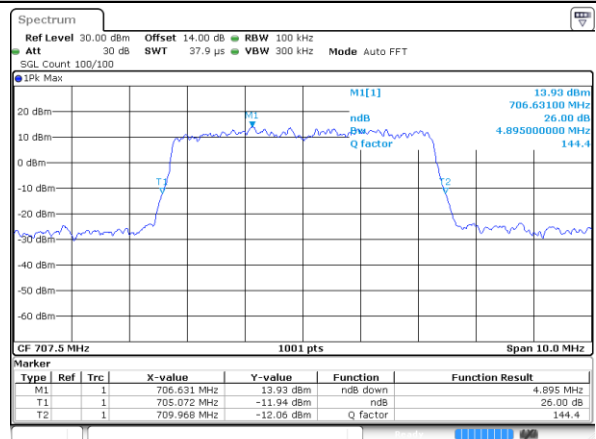
Date: 21 MAR 2025 17:20:37

Middle Channel / 5MHz / QPSK



Date: 21 MAR 2025 17:31:33

Middle Channel / 5MHz / 16QAM

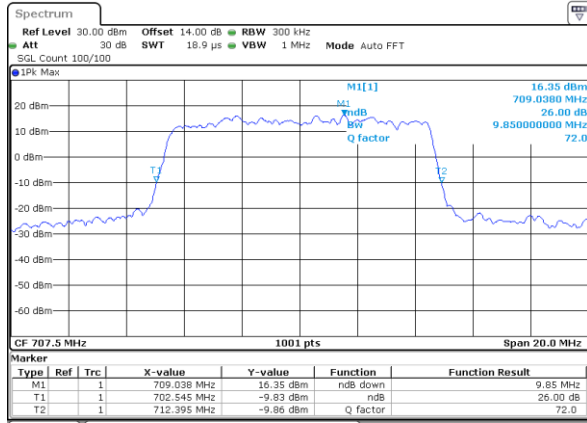


Date: 21 MAR 2025 17:32:15



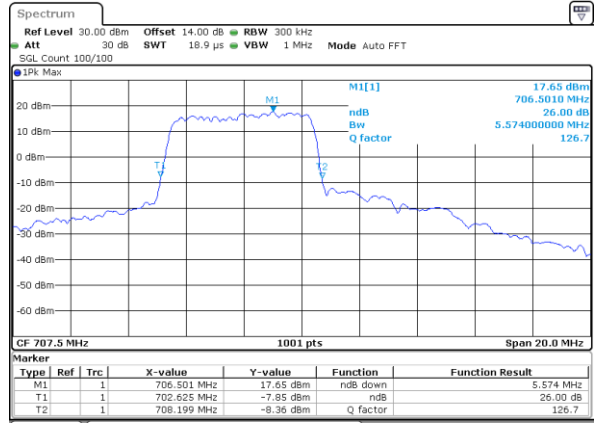
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 21 MAR 2025 17:48:09

Middle Channel / 10MHz / 16QAM



Date: 21 MAR 2025 18:53:27



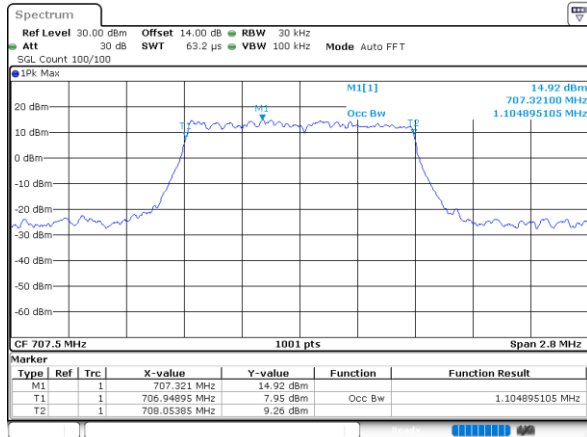
Occupied Bandwidth

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	2.73	4.48	4.48	9.05	5.05	-	-	-	-

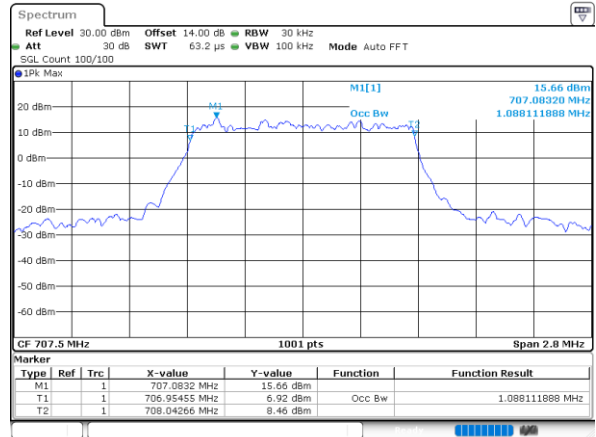


LTE Band 12

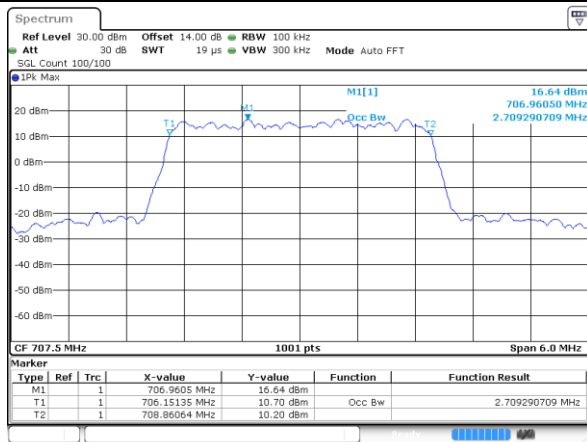
Middle Channel / 1.4MHz / QPSK



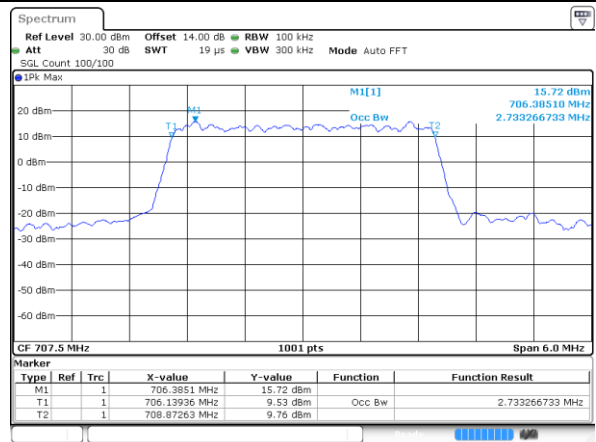
Middle Channel / 1.4MHz / 16QAM



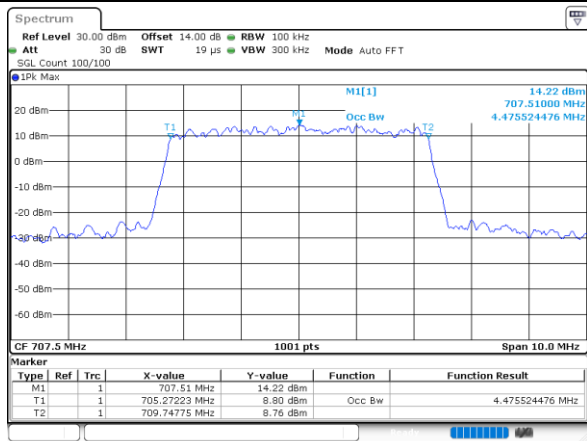
Middle Channel / 3MHz / QPSK



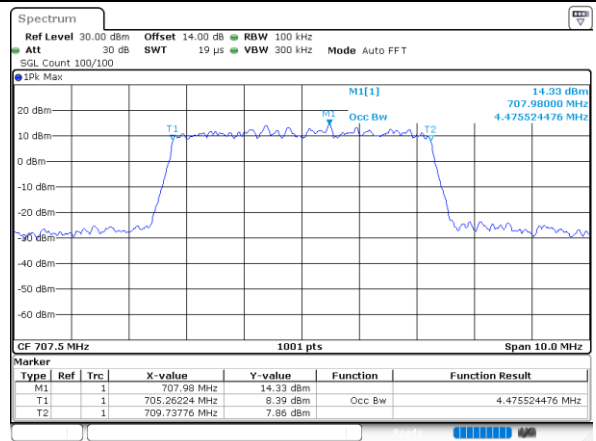
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



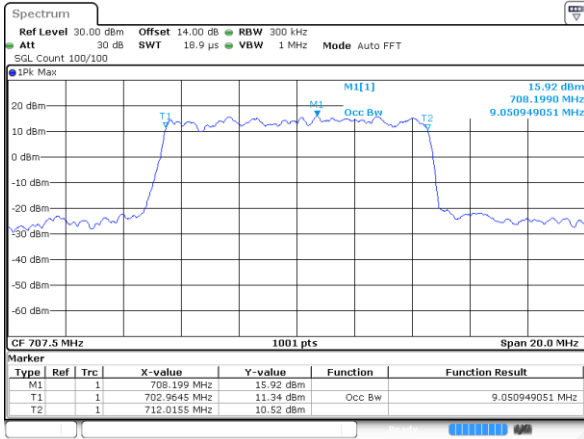
Middle Channel / 5MHz / 16QAM





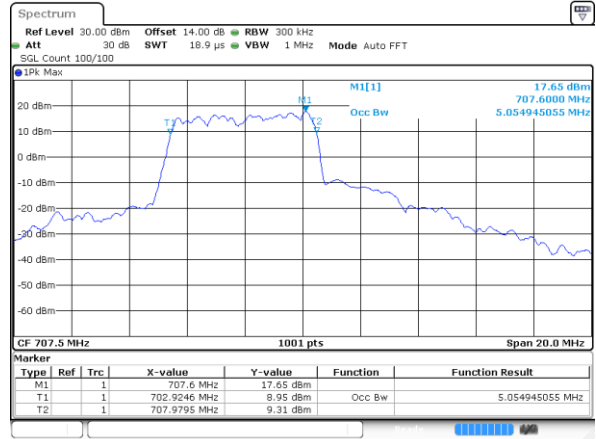
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 21 MAR 2025 17:47:55

Middle Channel / 10MHz / 16QAM



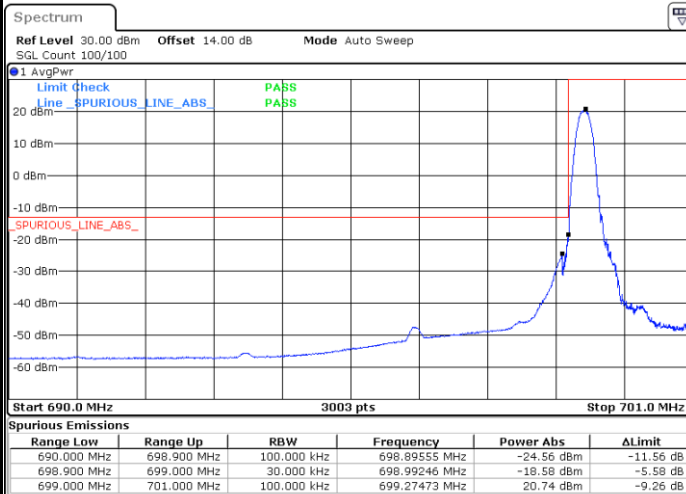
Date: 21 MAR 2025 18:52:41



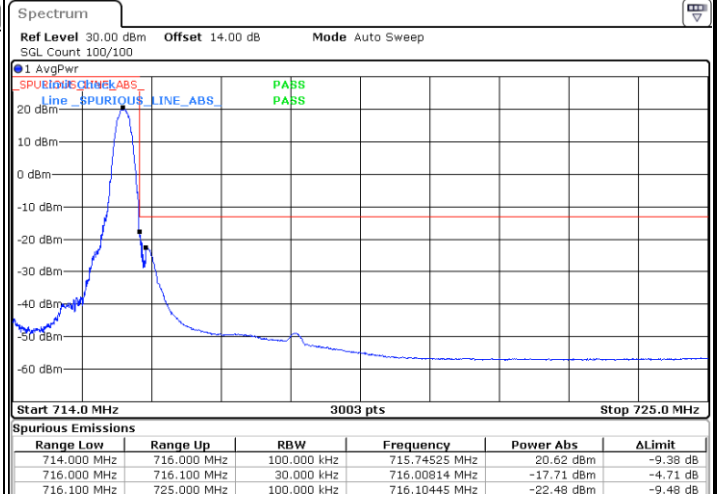
Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

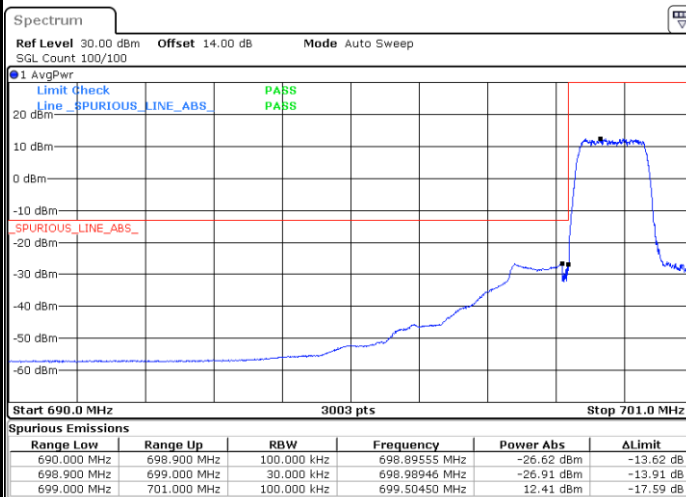
Lowest Band Edge / 1RB



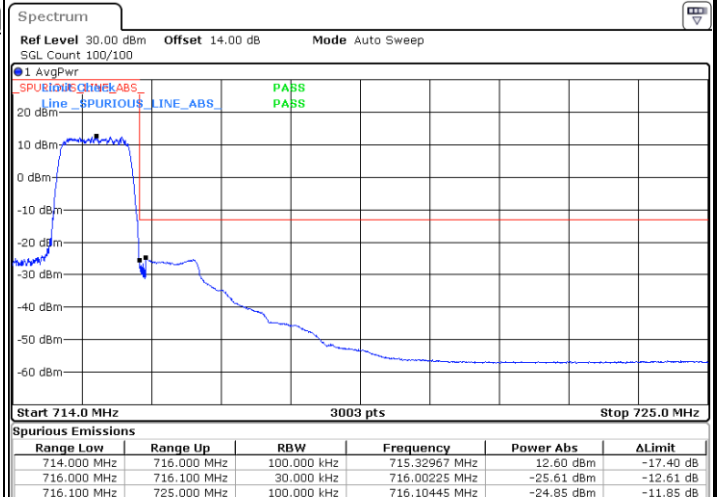
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



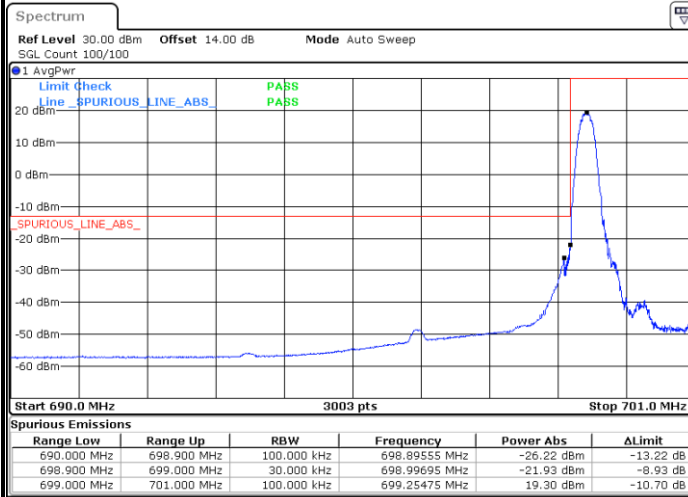
Highest Band Edge / Full RB





LTE Band 12 / 1.4MHz / 16QAM

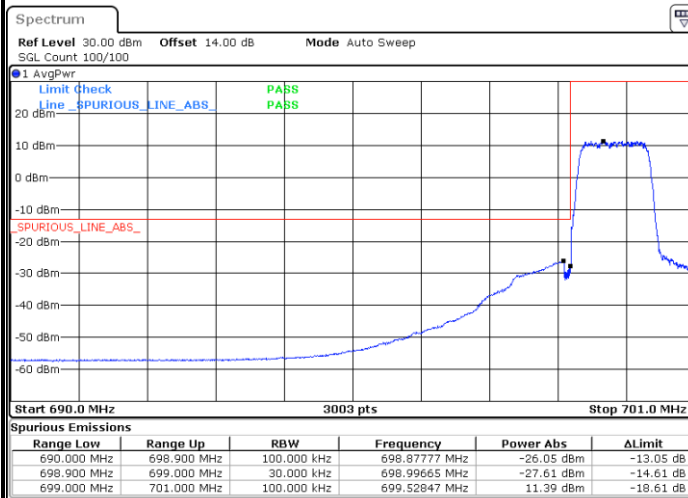
Lowest Band Edge / 1 RB



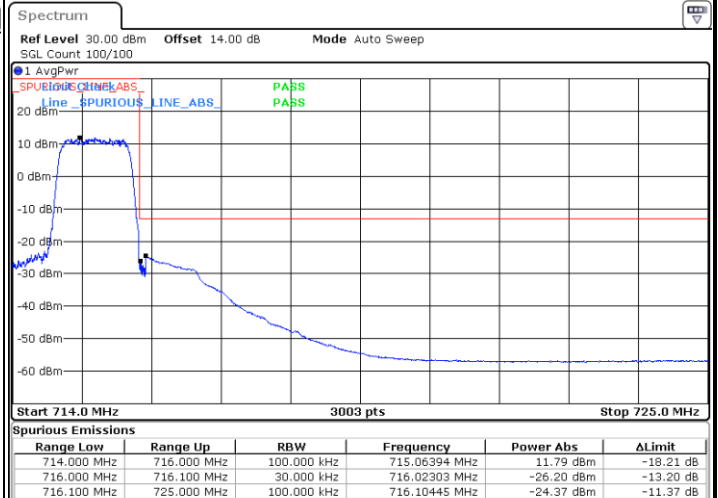
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



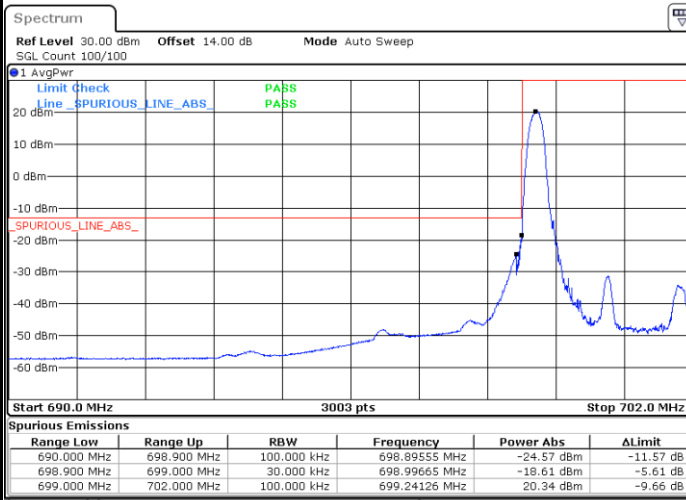
Highest Band Edge / Full RB



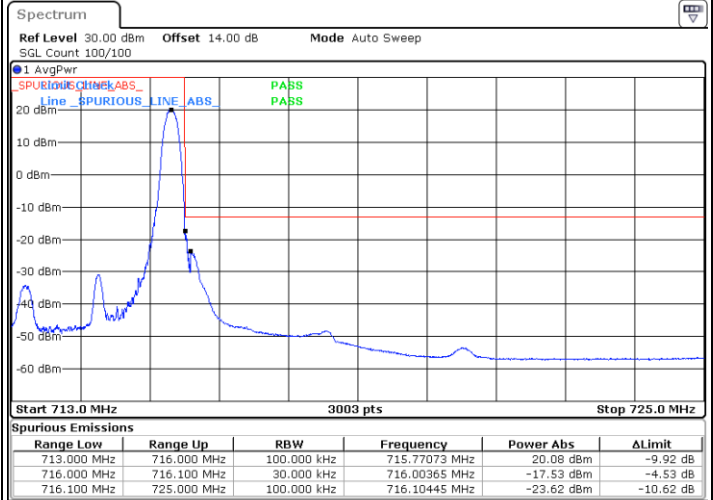


LTE Band 12 / 3MHz / QPSK

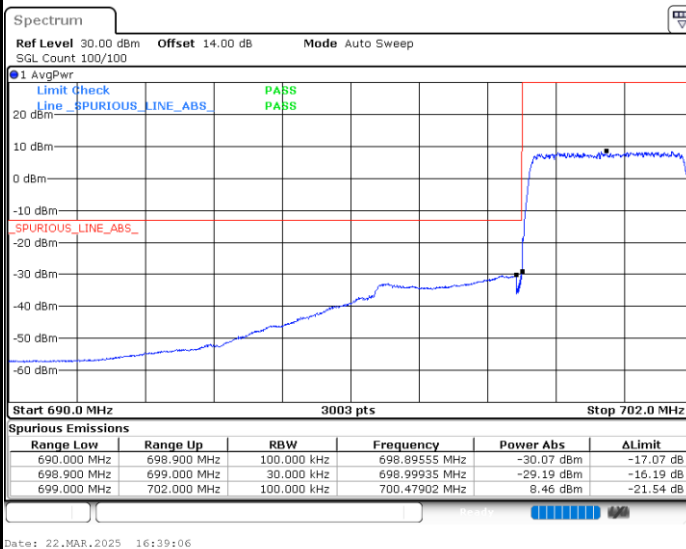
Lowest Band Edge / 1RB



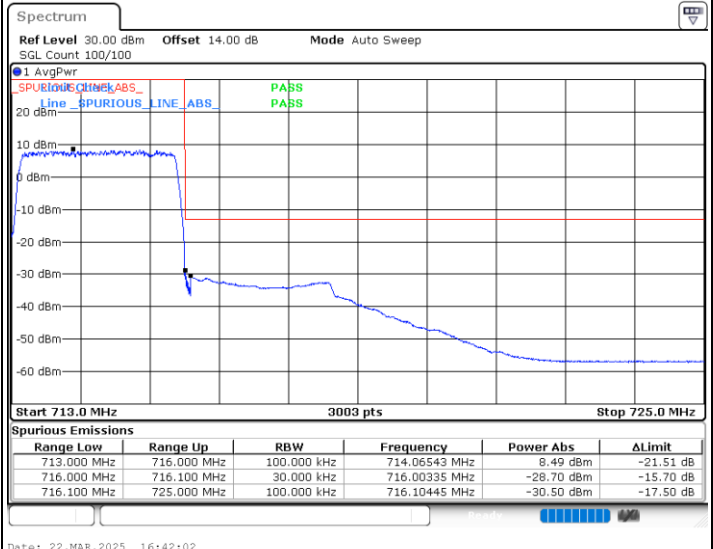
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



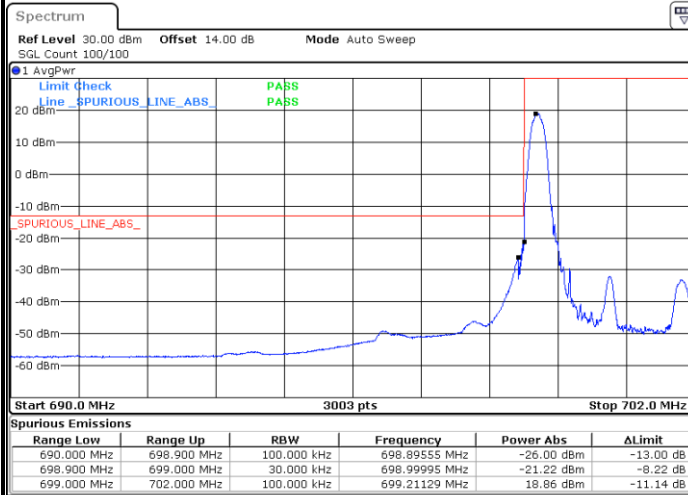
Highest Band Edge / Full RB





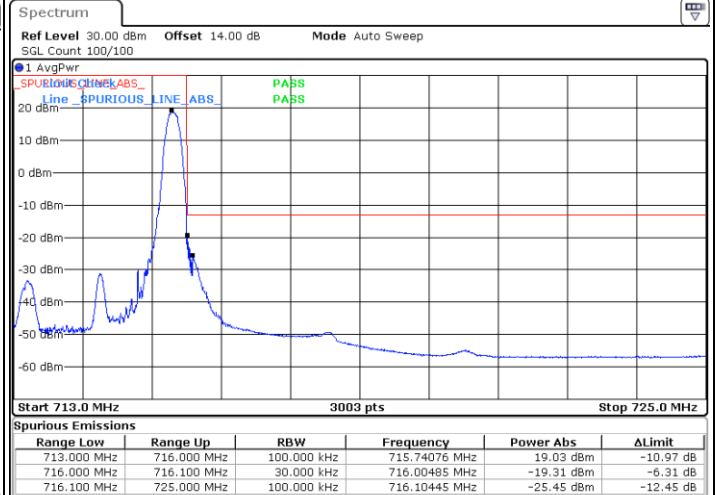
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



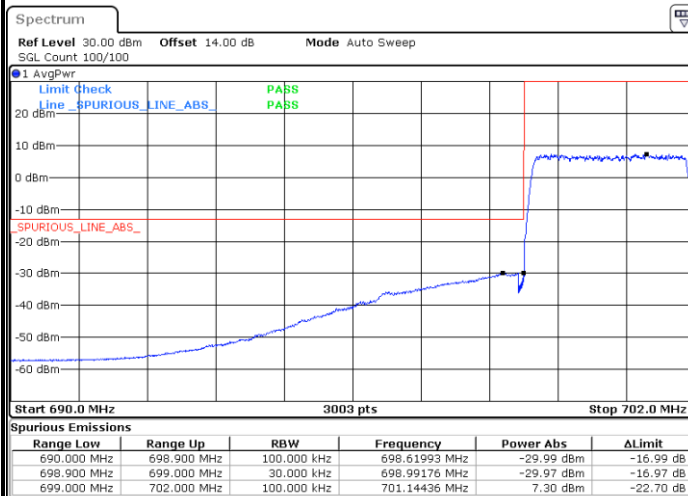
Date: 22.MAR.2025 16:38:21

Highest Band Edge / 1 RB



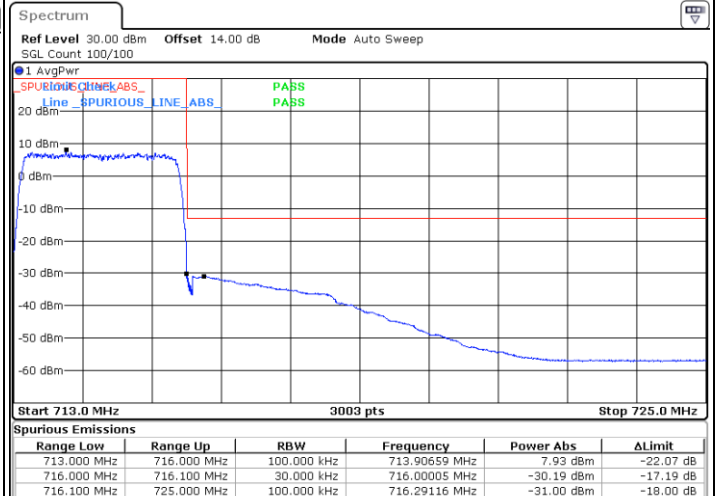
Date: 22.MAR.2025 16:41:18

Lowest Band Edge / Full RB



Date: 22.MAR.2025 16:39:50

Highest Band Edge / Full RB

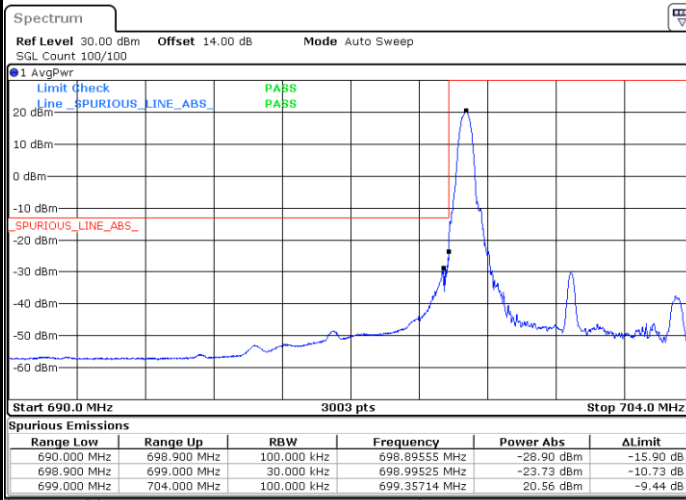


Date: 22.MAR.2025 16:42:46

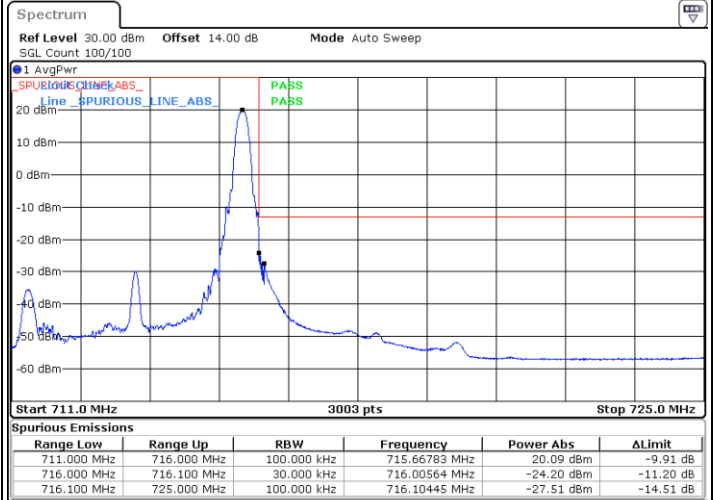


LTE Band 12 / 5MHz / QPSK

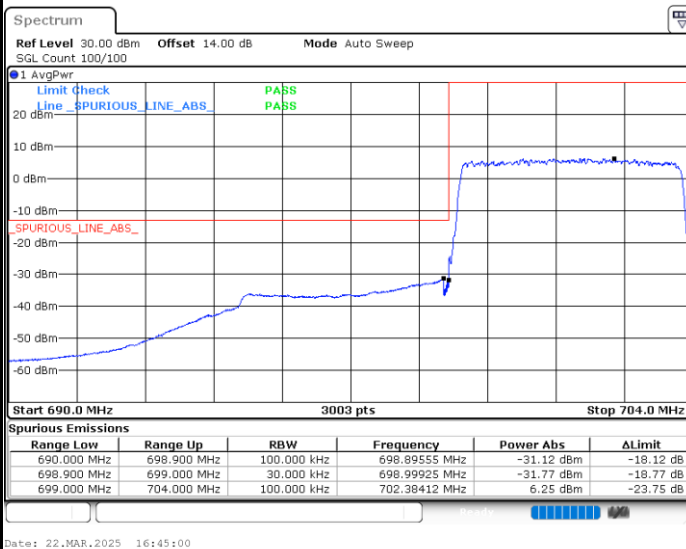
Lowest Band Edge / 1RB



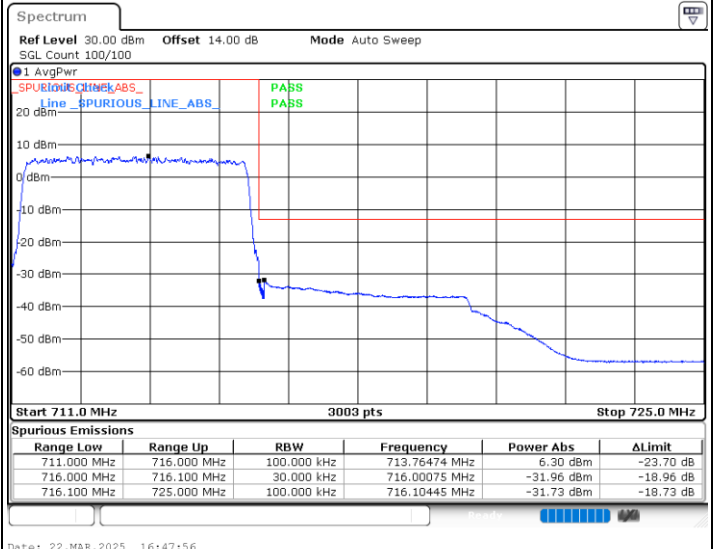
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



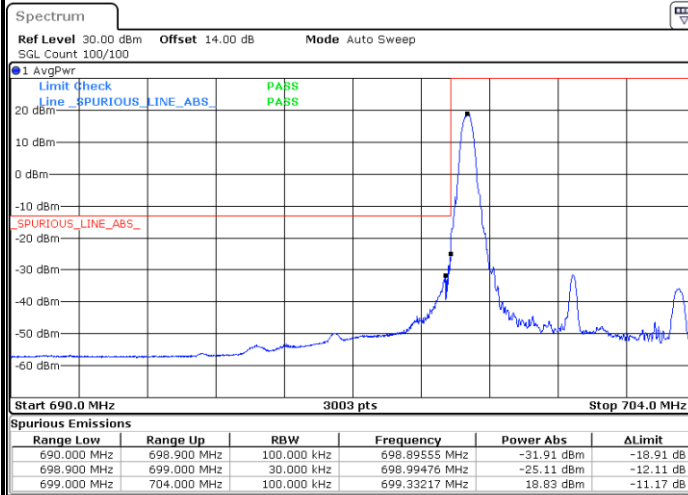
Highest Band Edge / Full RB



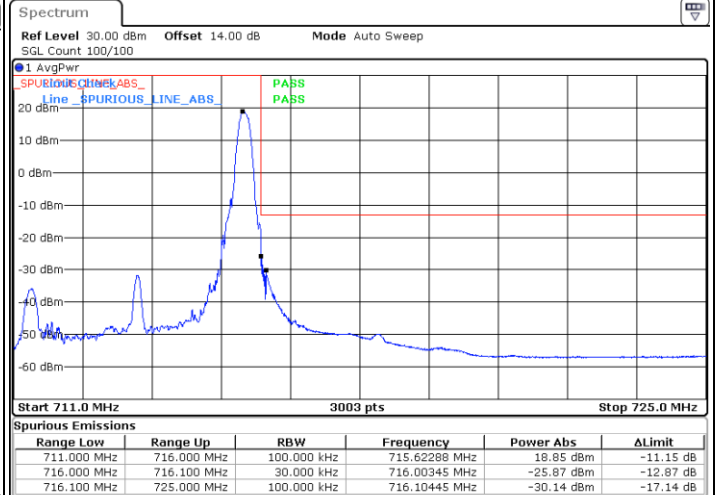


LTE Band 12 / 5MHz / 16QAM

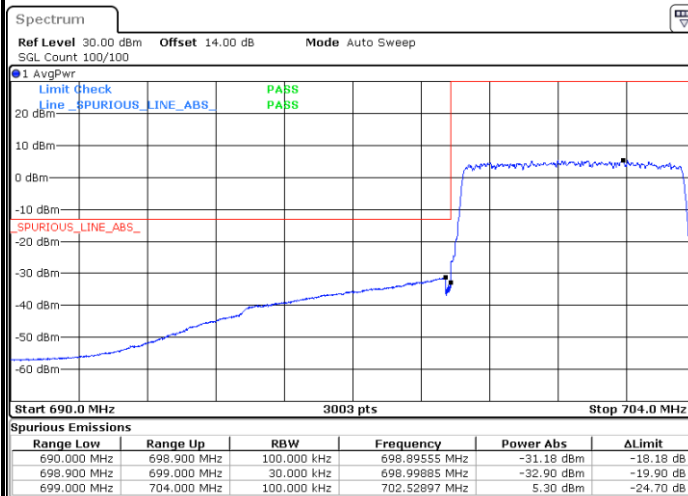
Lowest Band Edge / 1 RB



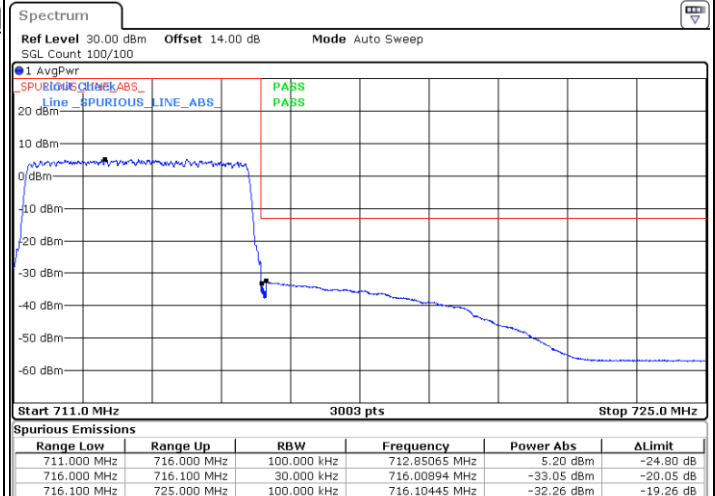
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



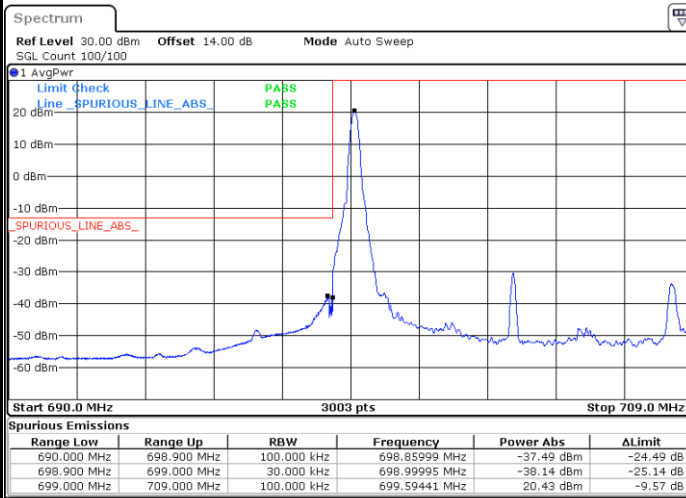
Highest Band Edge / Full RB





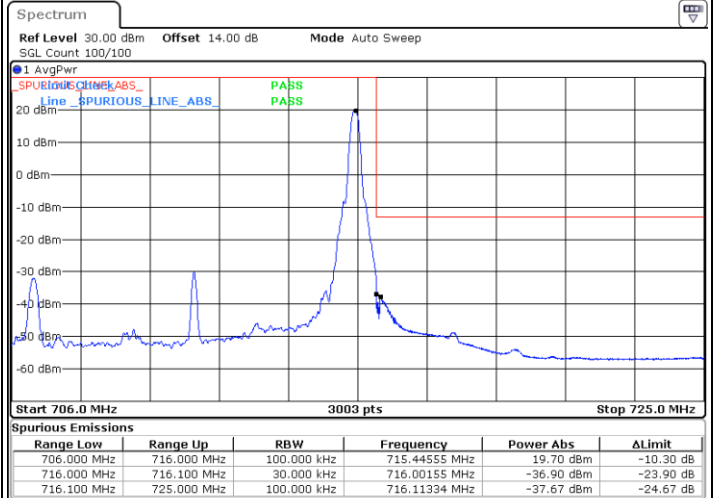
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1RB



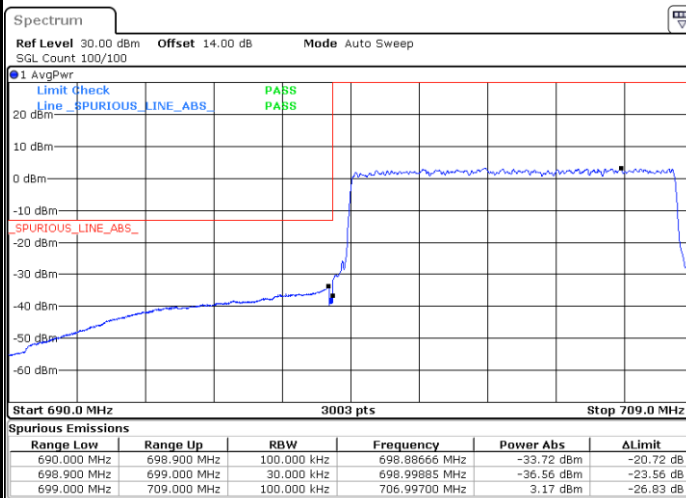
Date: 22.MAR.2025 16:49:25

Highest Band Edge / 1RB



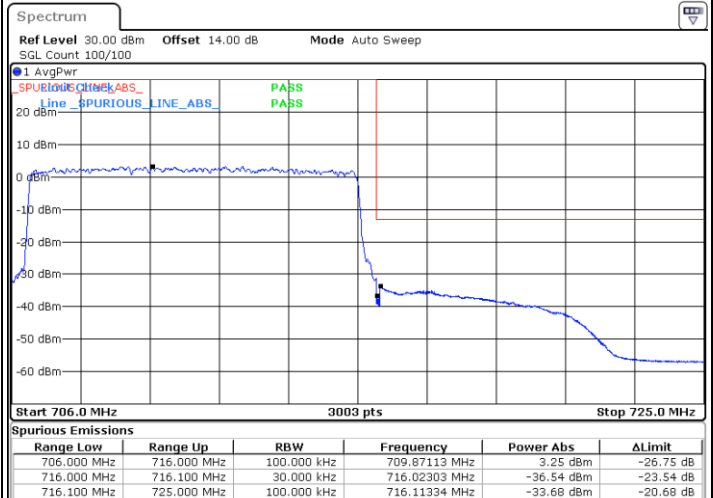
Date: 22.MAR.2025 16:55:47

Lowest Band Edge / Full RB



Date: 22.MAR.2025 16:50:55

Highest Band Edge / Full RB

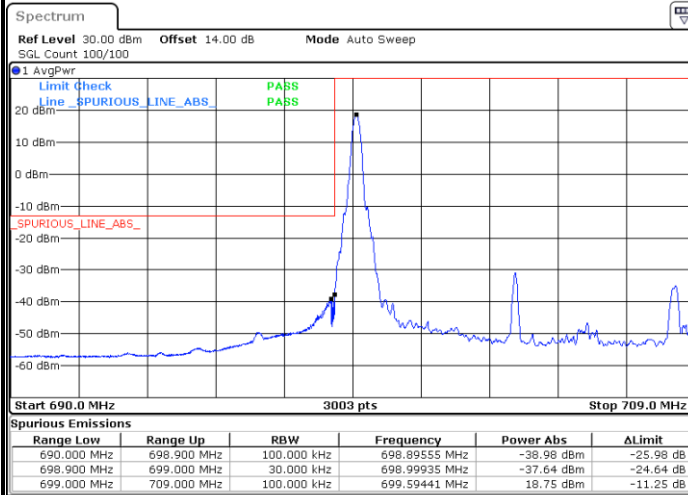


Date: 22.MAR.2025 16:53:46

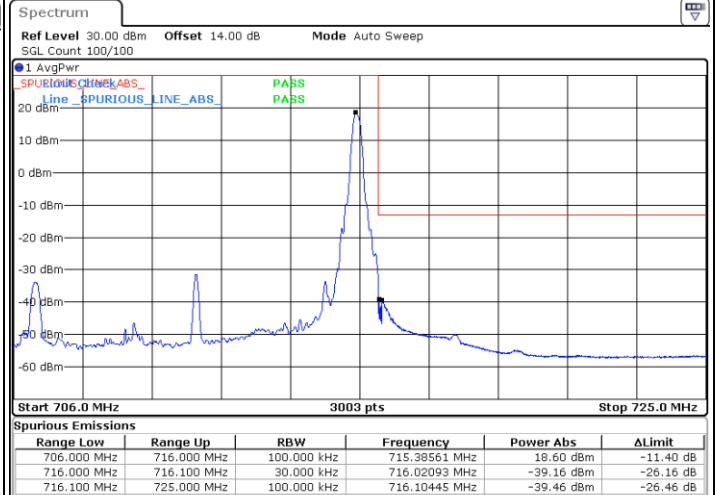


LTE Band 12 / 10MHz / 16QAM

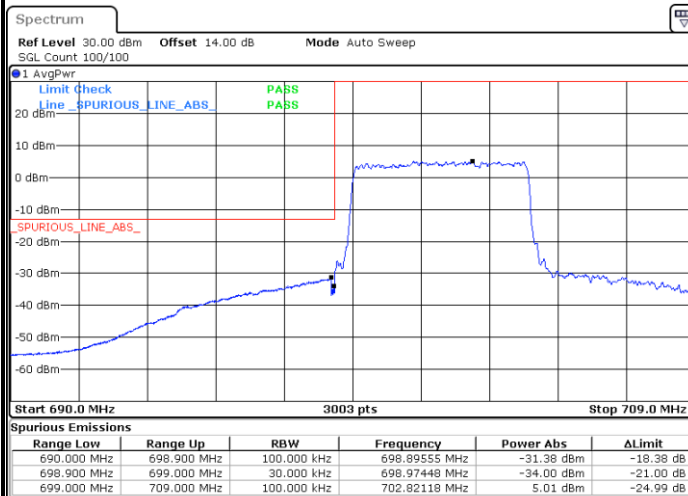
Lowest Band Edge / 1 RB



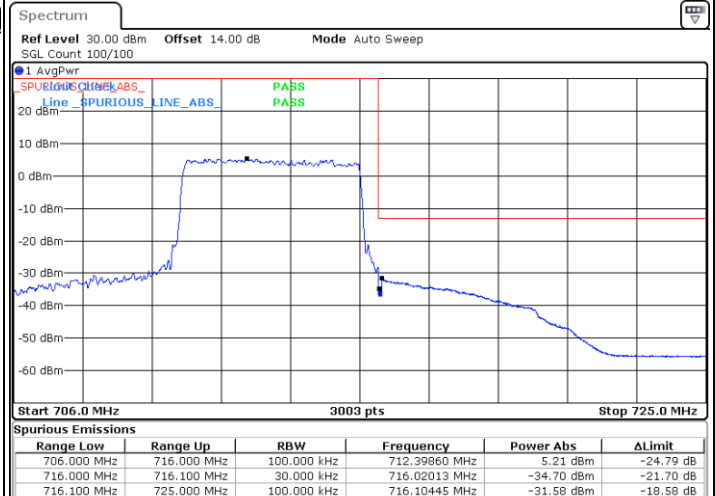
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

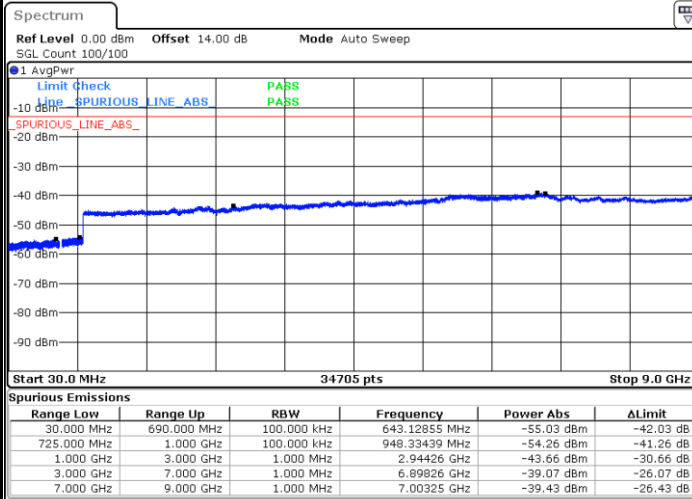




Conducted Spurious Emission

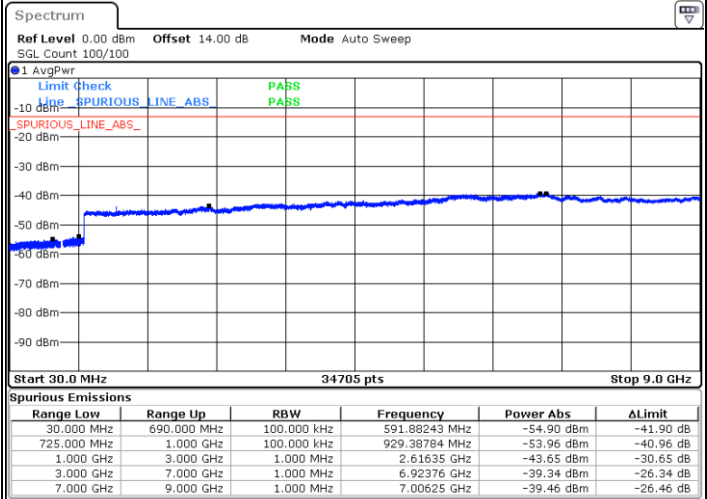
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



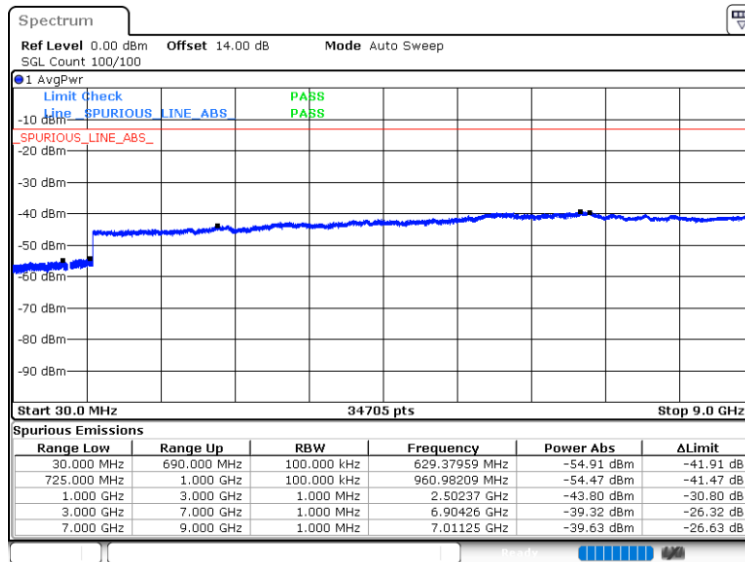
Date: 22.MAR.2025 14:30:29

Middle Channel / QPSK



Date: 22.MAR.2025 14:29:28

Highest Channel / QPSK

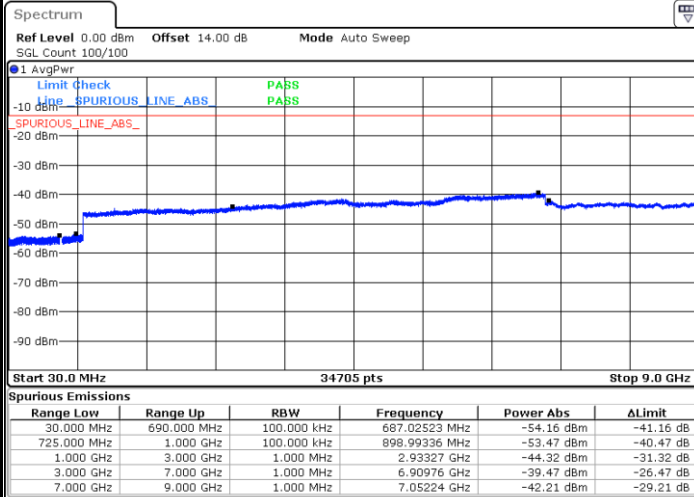


Date: 22.MAR.2025 14:39:43



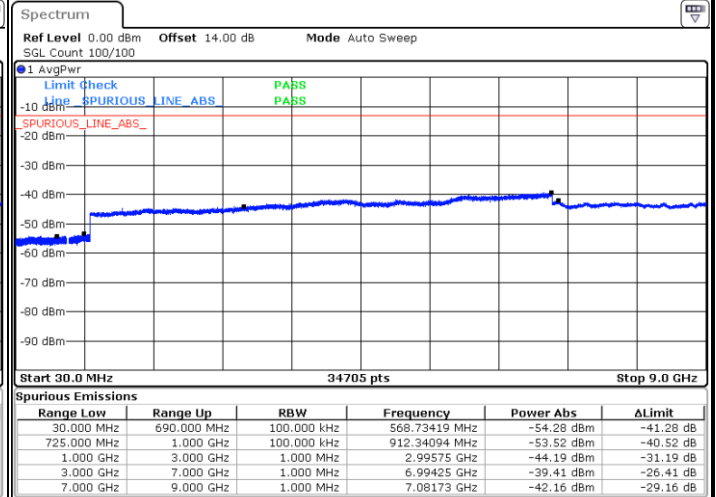
LTE Band 12 / 3MHz

Lowest Channel / QPSK



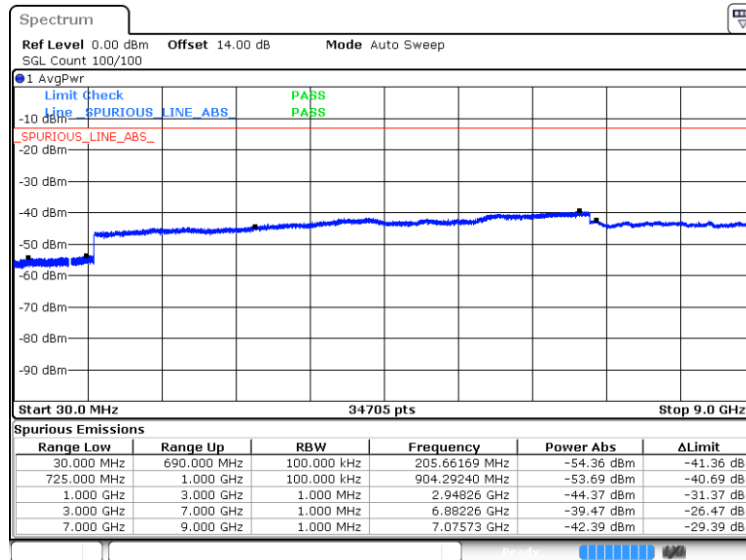
Date: 21.MAR.2025 17:18:09

Middle Channel / QPSK



Date: 21.MAR.2025 17:19:12

Highest Channel / QPSK

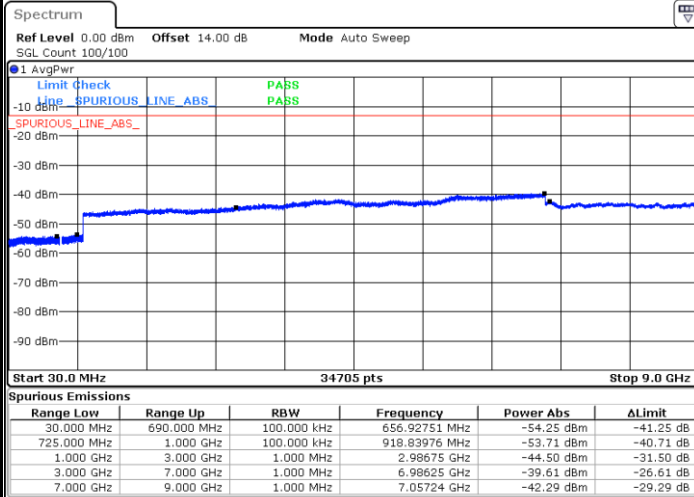


Date: 21.MAR.2025 17:25:10



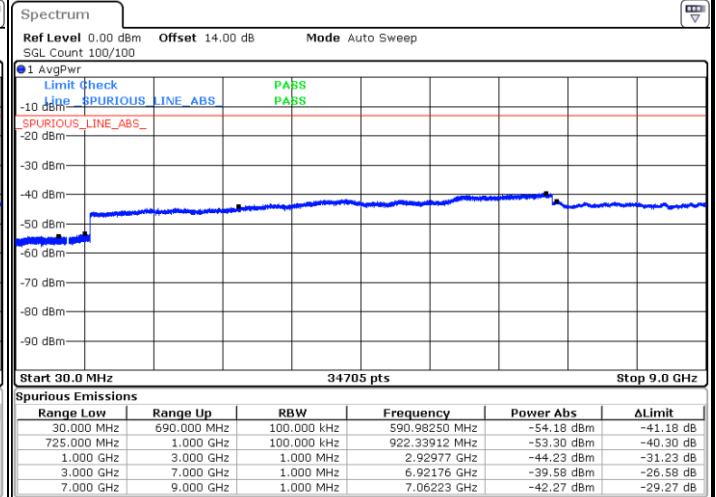
LTE Band 12 / 5MHz

Lowest Channel / QPSK



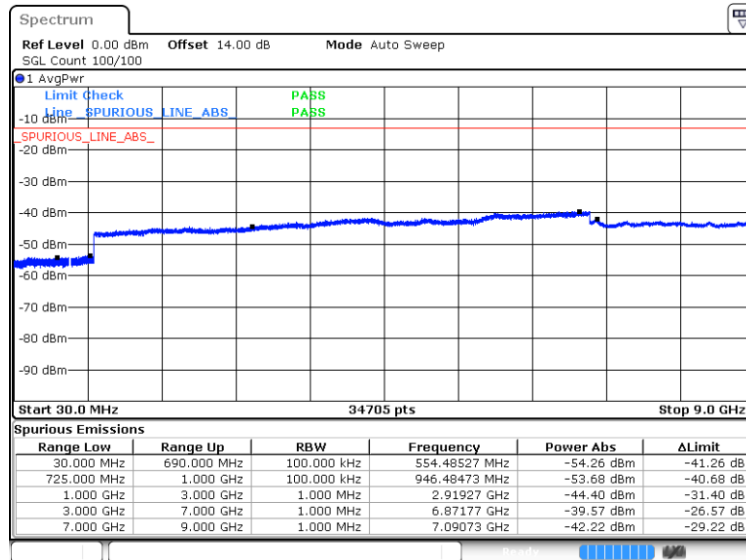
Date: 21.MAR.2025 17:29:48

Middle Channel / QPSK



Date: 21.MAR.2025 17:30:50

Highest Channel / QPSK

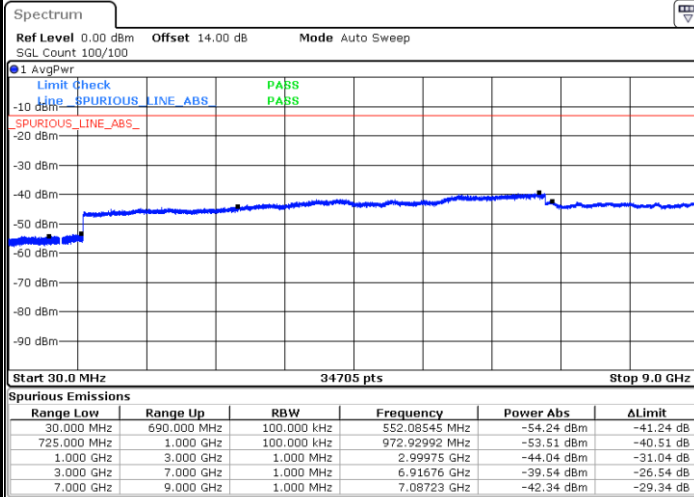


Date: 21.MAR.2025 17:36:49



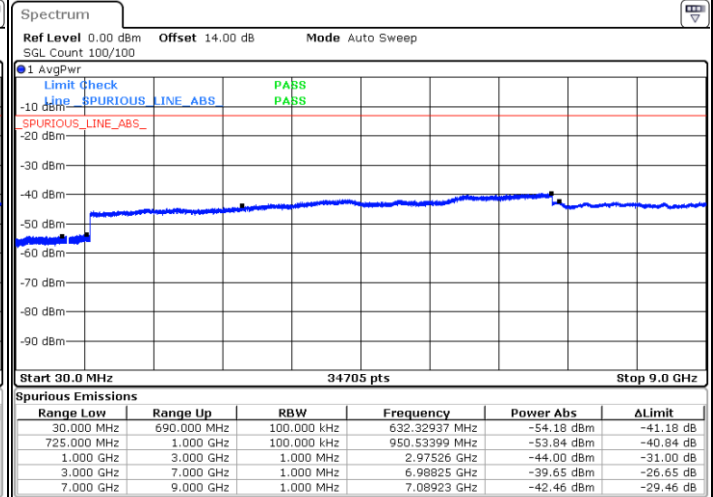
LTE Band 12 / 10MHz

Lowest Channel / QPSK



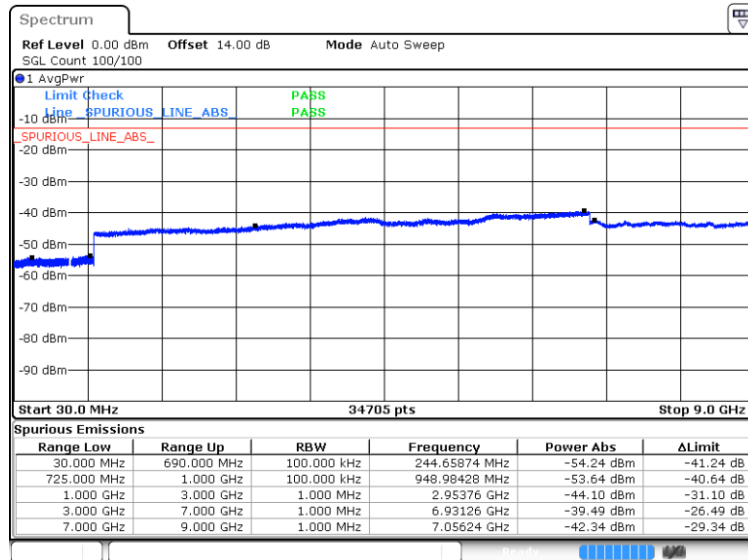
Date: 21.MAR.2025 17:46:23

Middle Channel / QPSK



Date: 21.MAR.2025 17:47:25

Highest Channel / QPSK



Date: 21.MAR.2025 17:51:48

**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	0.0007	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0095	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

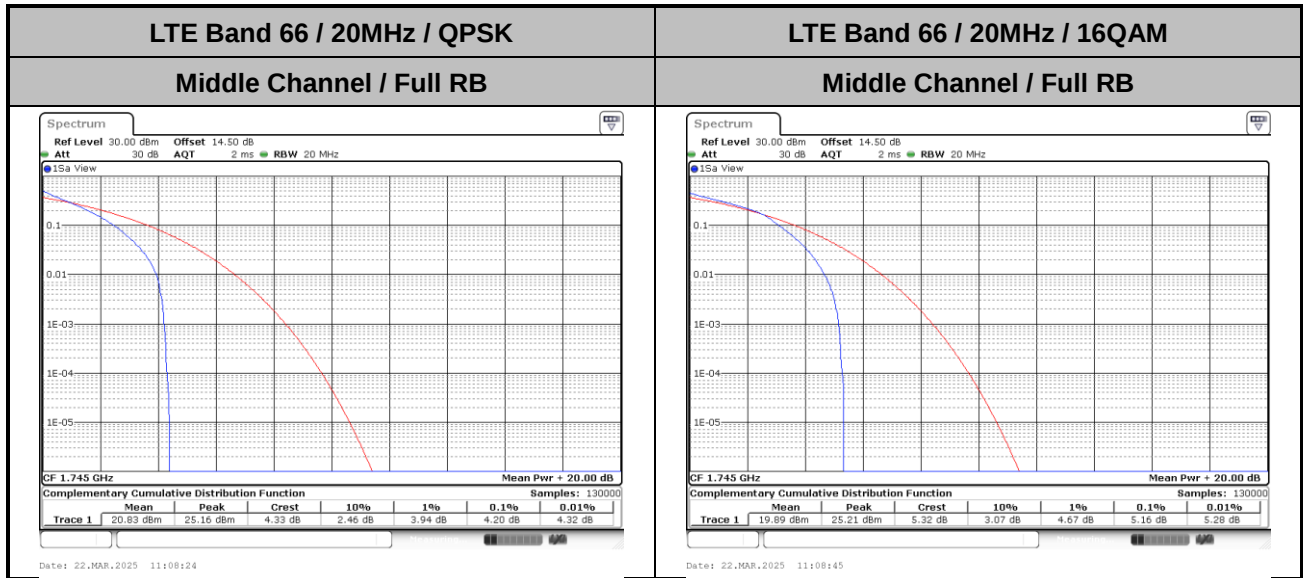
1. Normal Voltage = 3.87 V.; Battery End Point (BEP) = 3.5 V.; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.20	5.16	-	PASS





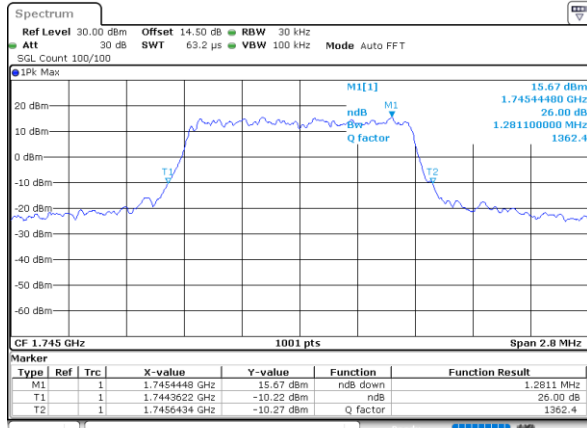
26dB Bandwidth

Mode	LTE Band 66 : 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	1.30	2.98	2.99	4.78	4.95	9.73	5.57	14.15	5.57	18.82	5.87



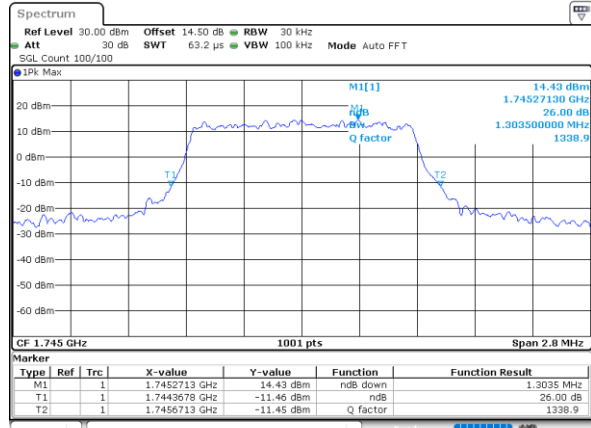
LTE Band 66

Middle Channel / 1.4MHz / QPSK



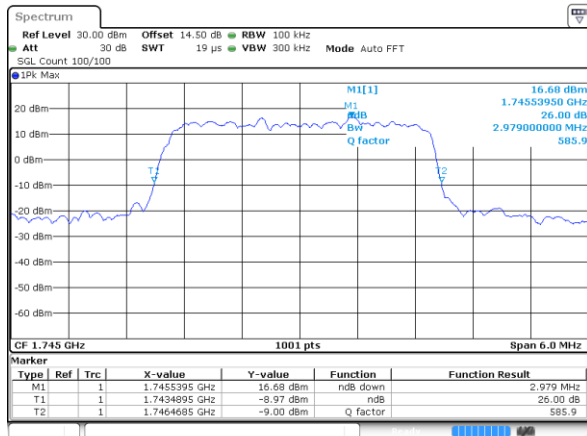
Date: 22, MAR, 2025 13:22:27

Middle Channel / 1.4MHz / 16QAM



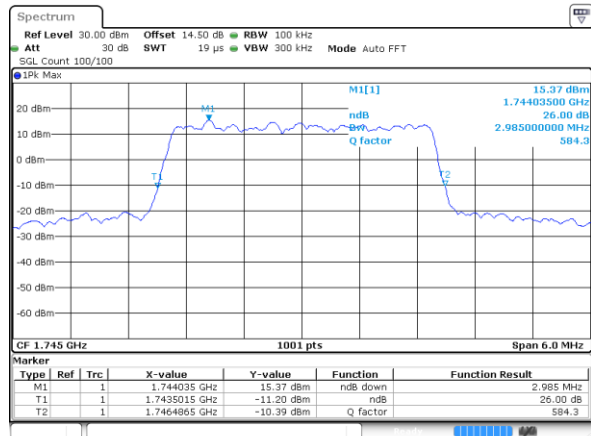
Date: 22, MAR, 2025 13:24:00

Middle Channel / 3MHz / QPSK



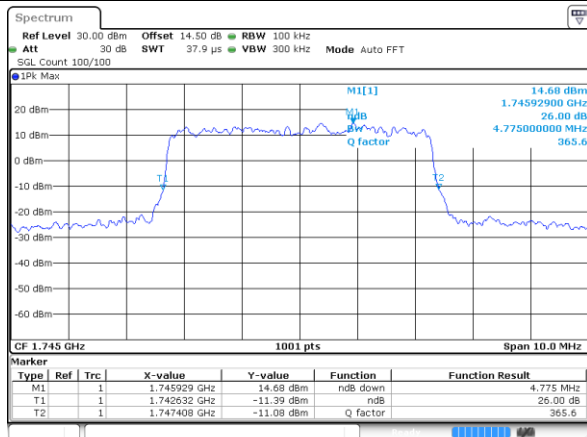
Date: 21 MAR 2025 13:18:26

Middle Channel / 3MHz / 16QAM



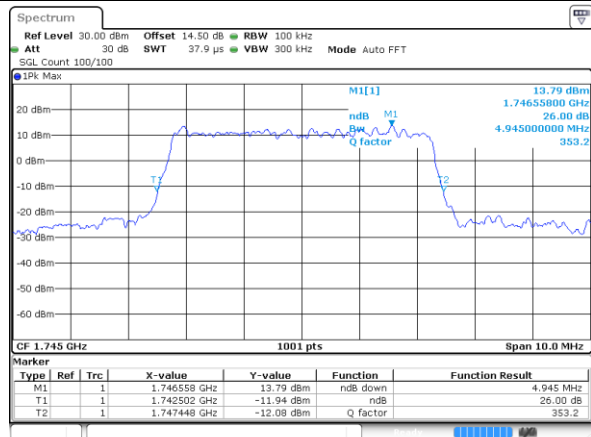
Date: 21 MAR 2025 13:19:06

Middle Channel / 5MHz / QPSK



Date: 21 MAR 2025 13:31:36

Middle Channel / 5MHz / 16QAM

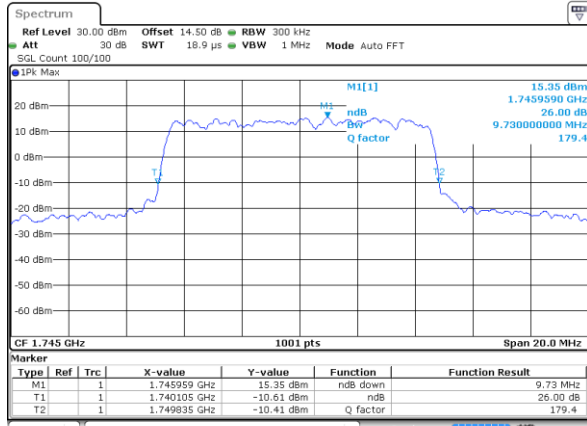


Date: 21 MAR 2025 13:36:40



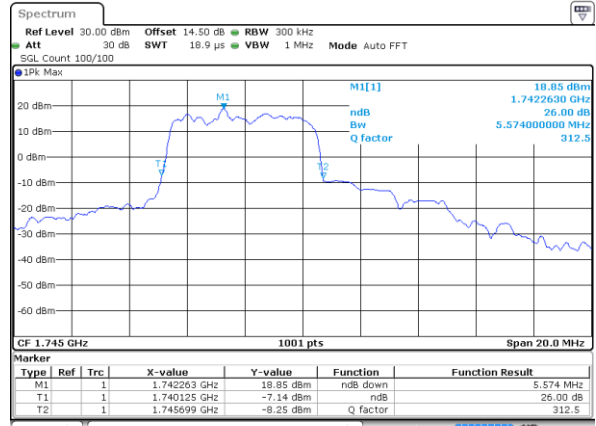
LTE Band 66

Middle Channel / 10MHz / QPSK



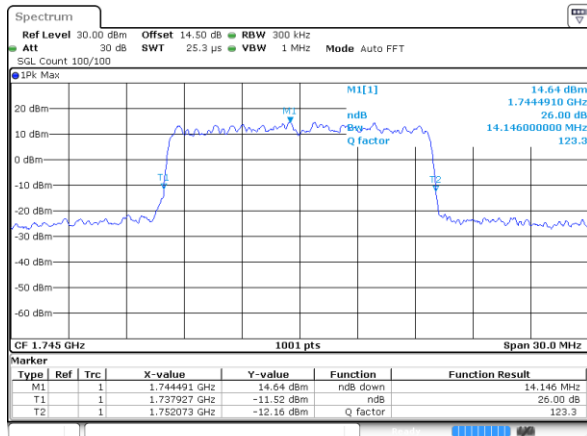
Date: 21 MAR 2025 13:50:58

Middle Channel / 10MHz / 16QAM



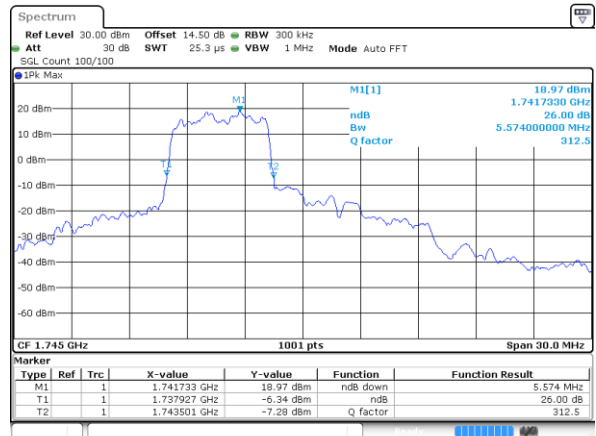
Date: 21 MAR 2025 18:01:28

Middle Channel / 15MHz / QPSK



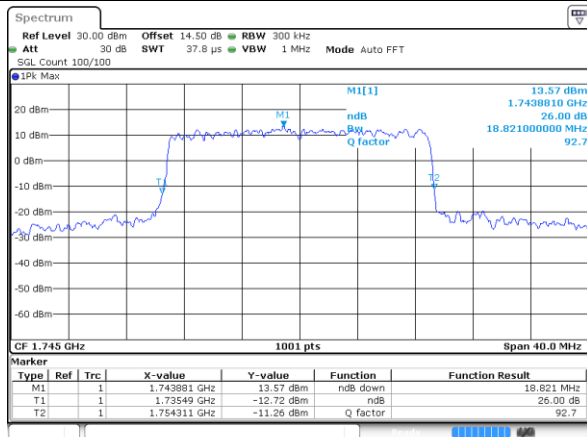
Date: 21 MAR 2025 13:58:07

Middle Channel / 15MHz / 16QAM



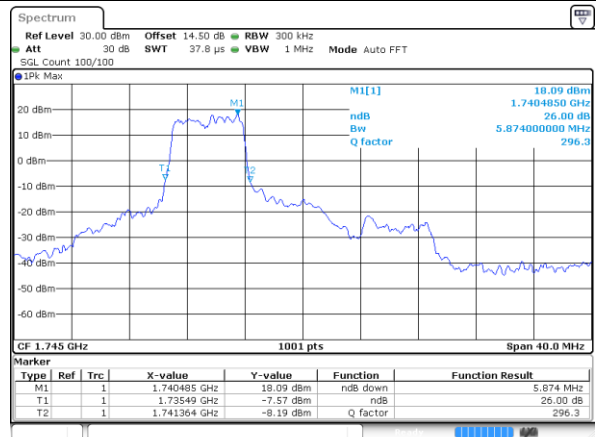
Date: 21 MAR 2025 18:10:48

Middle Channel / 20MHz / QPSK



Date: 21 MAR 2025 14:05:16

Middle Channel / 20MHz / 16QAM



Date: 21 MAR 2025 18:14:37



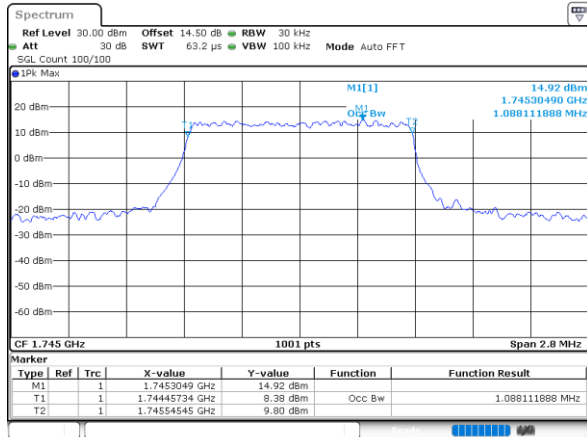
Occupied Bandwidth

Mode	LTE Band 66 : 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	2.72	4.49	4.47	8.99	5.03	13.34	4.95	17.90	5.03

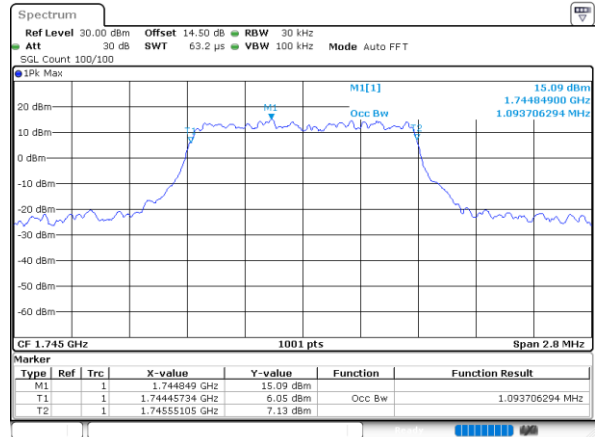


LTE Band 66

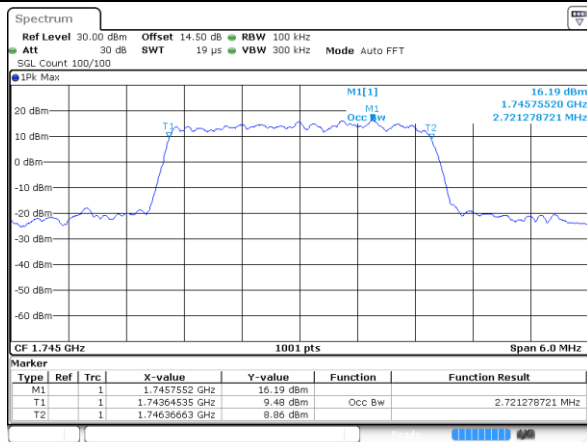
Middle Channel / 1.4MHz / QPSK



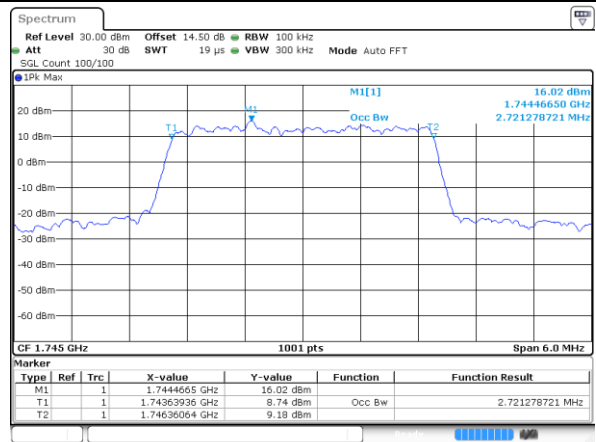
Middle Channel / 1.4MHz / 16QAM



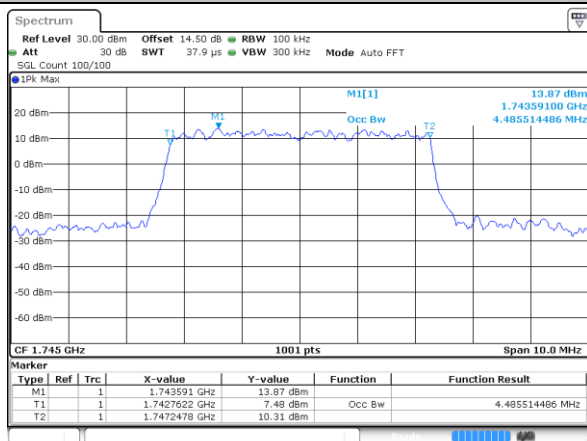
Middle Channel / 3MHz / QPSK



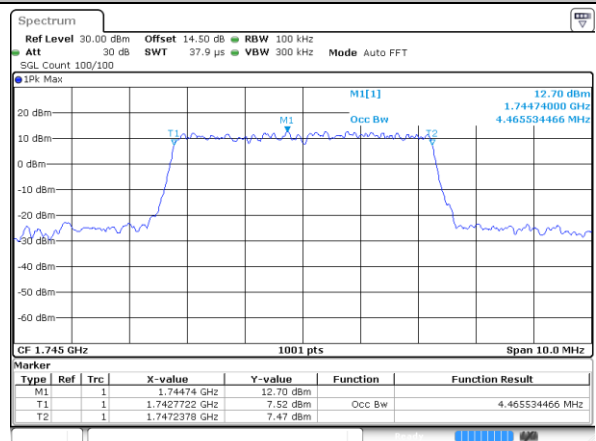
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



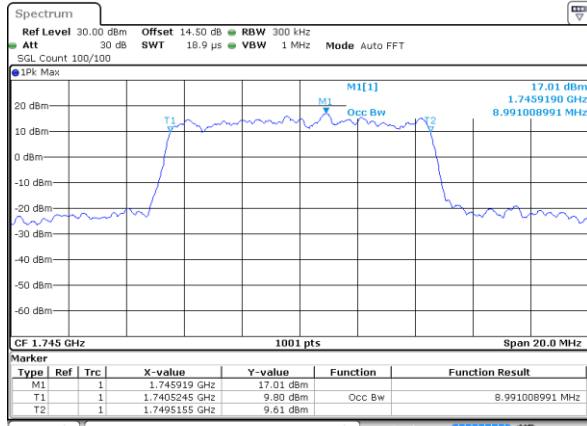
Middle Channel / 5MHz / 16QAM





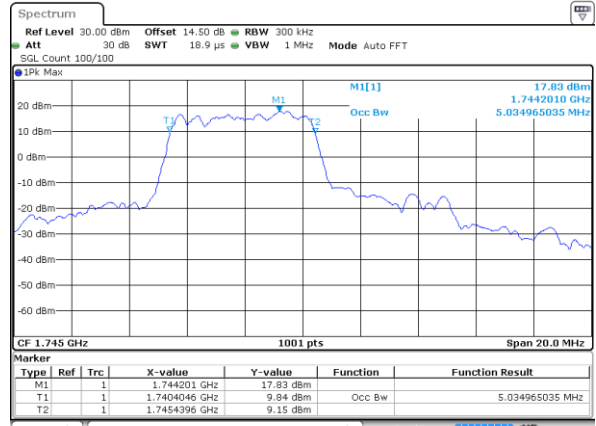
LTE Band 66

Middle Channel / 10MHz / QPSK



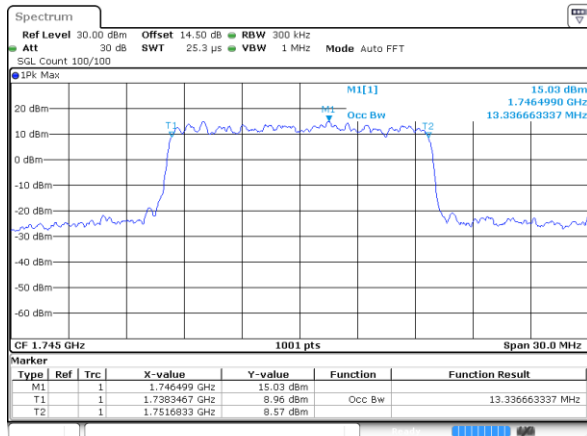
Date: 21 MAR 2025 13:50:44

Middle Channel / 10MHz / 16QAM



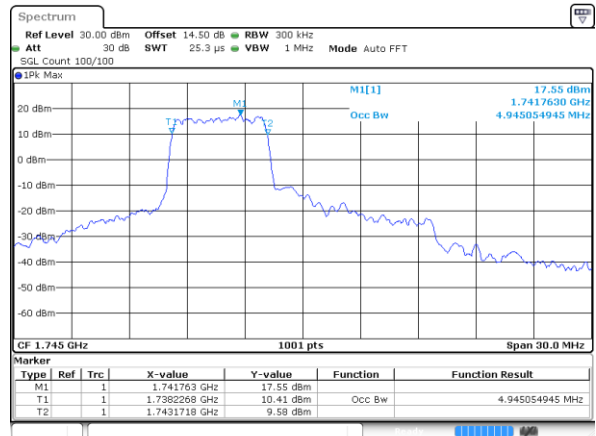
Date: 21 MAR 2025 18:00:44

Middle Channel / 15MHz / QPSK



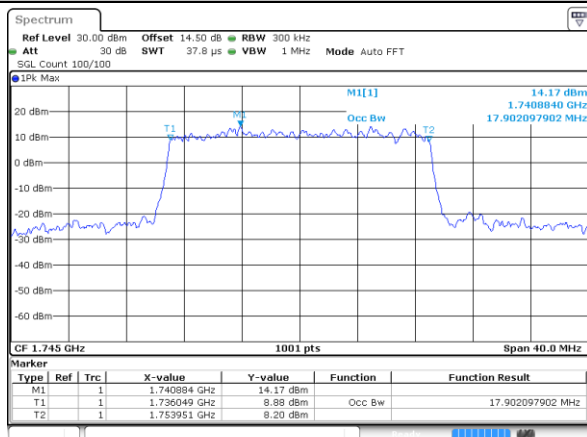
Date: 21 MAR 2025 13:57:53

Middle Channel / 15MHz / 16QAM



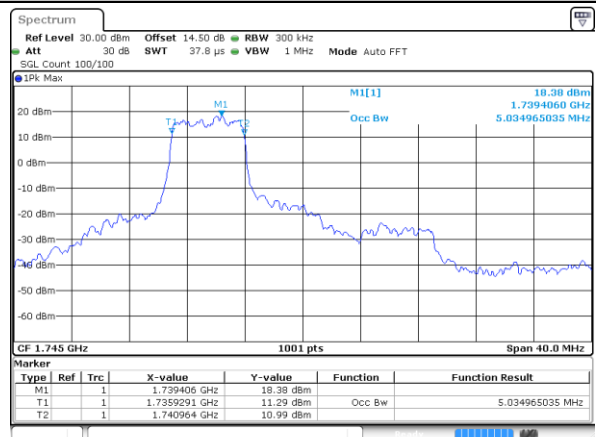
Date: 21 MAR 2025 18:10:26

Middle Channel / 20MHz / QPSK



Date: 21 MAR 2025 14:05:02

Middle Channel / 20MHz / 16QAM



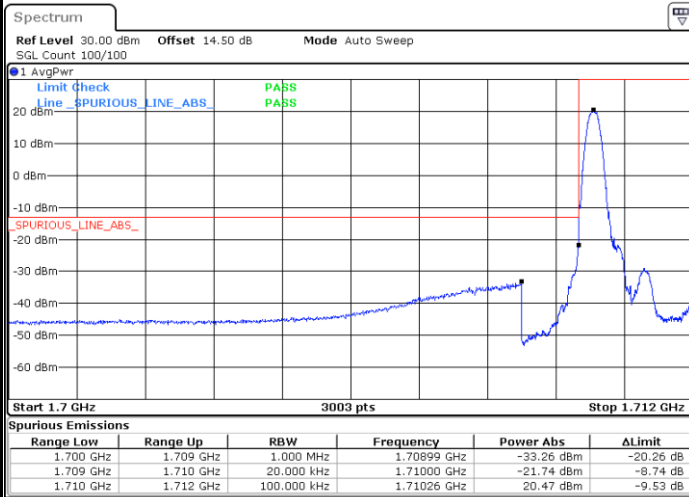
Date: 21 MAR 2025 18:14:23



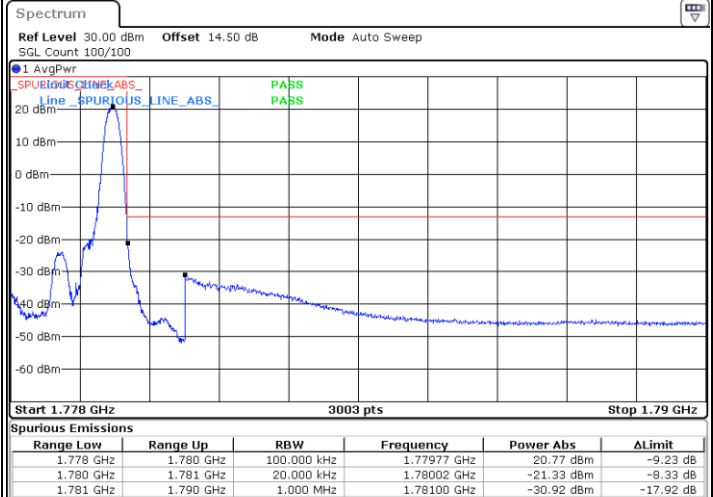
Conducted Band Edge

LTE Band 66 / 1.4MHz / QPSK

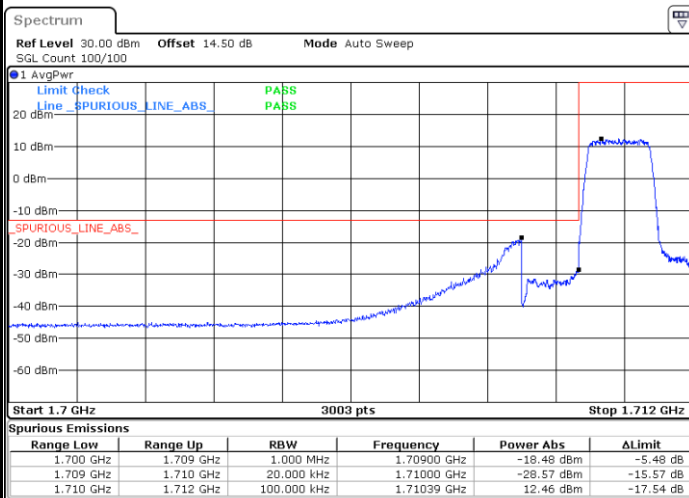
Lowest Band Edge / 1RB



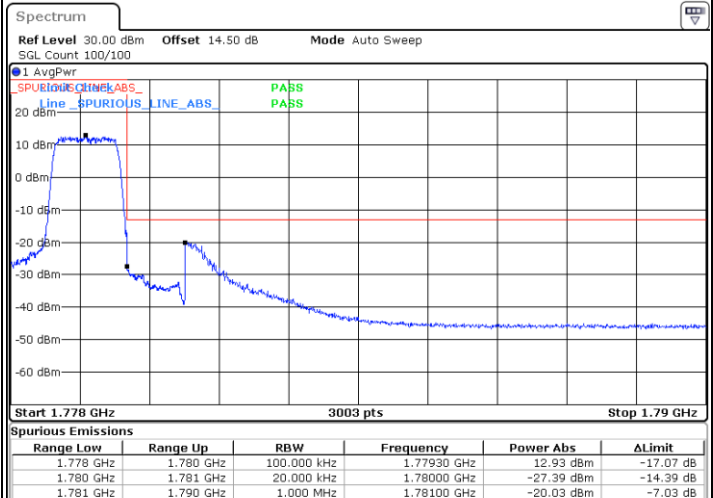
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



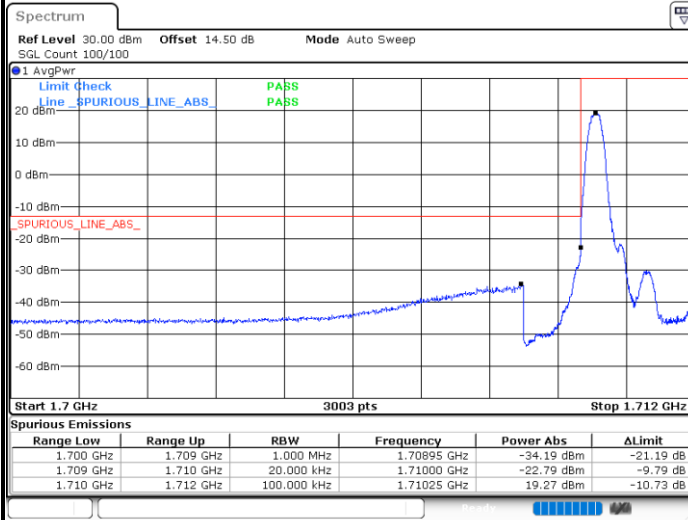
Highest Band Edge / Full RB



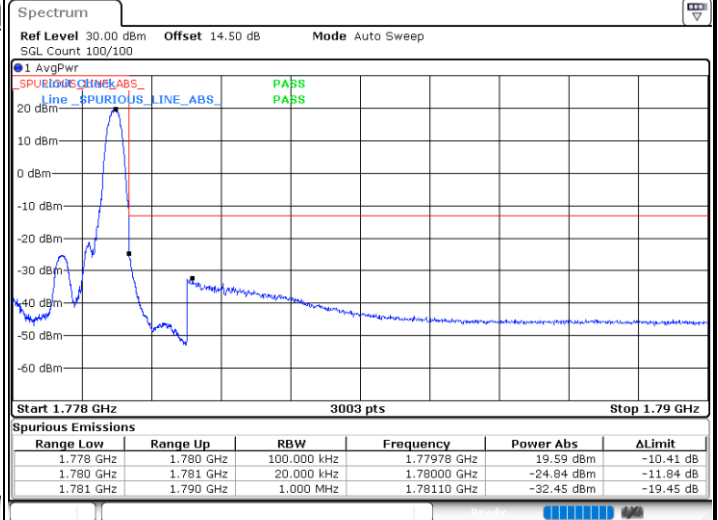


LTE Band 66 / 1.4MHz / 16QAM

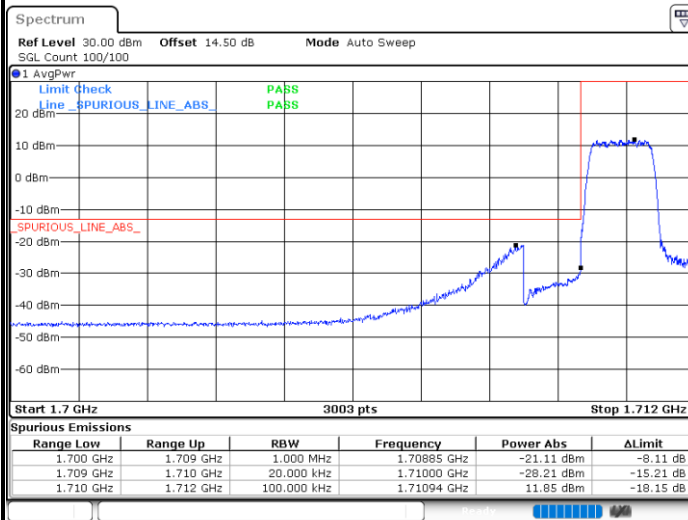
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

