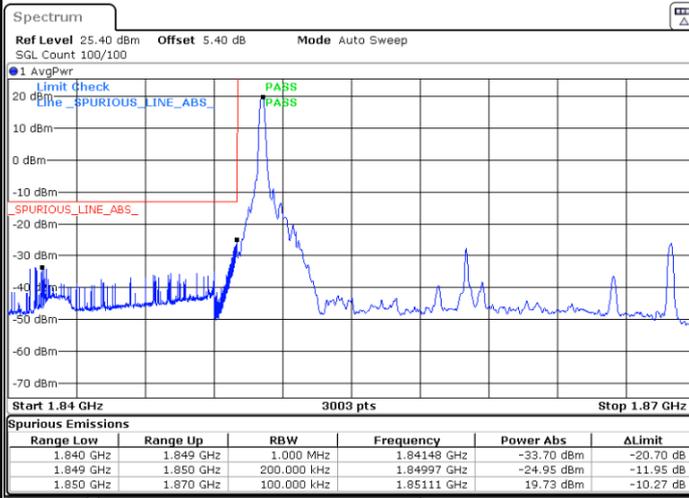




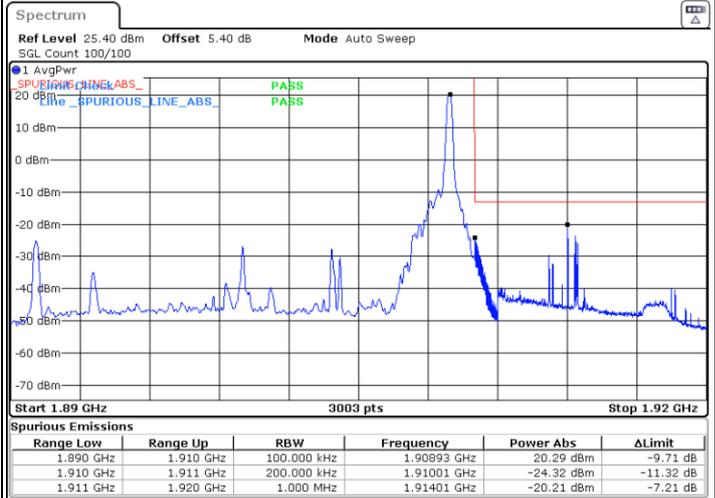
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



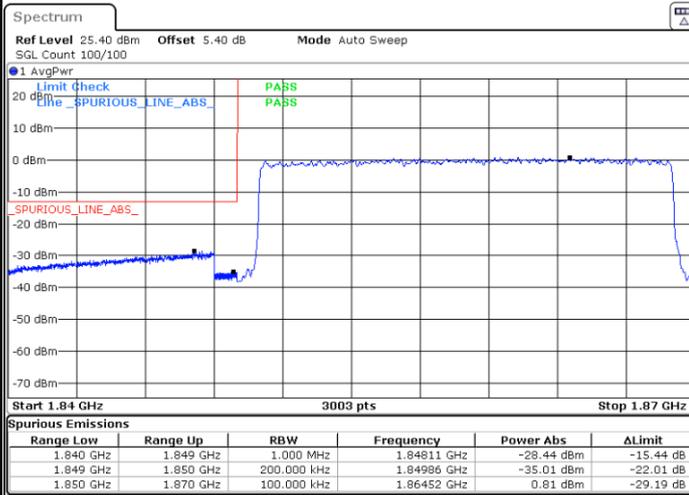
Date: 14.NOV.2024 17:09:47

Highest Band Edge / 1 RB



Date: 14.NOV.2024 17:19:57

Lowest Band Edge / Full RB



Date: 14.NOV.2024 17:13:32

Highest Band Edge / Full RB

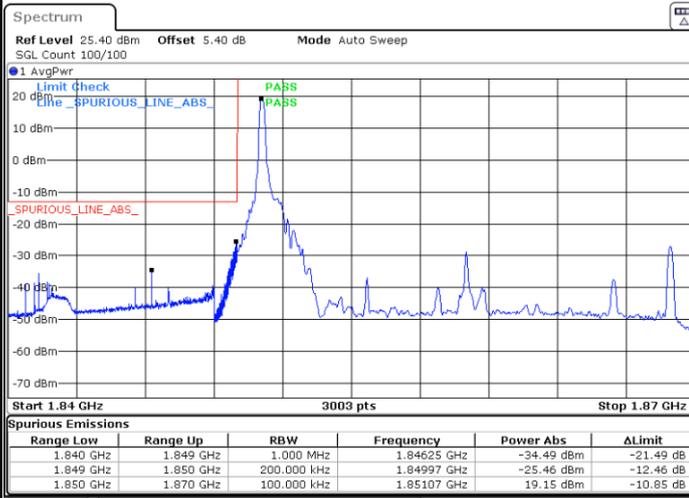


Date: 14.NOV.2024 17:23:43



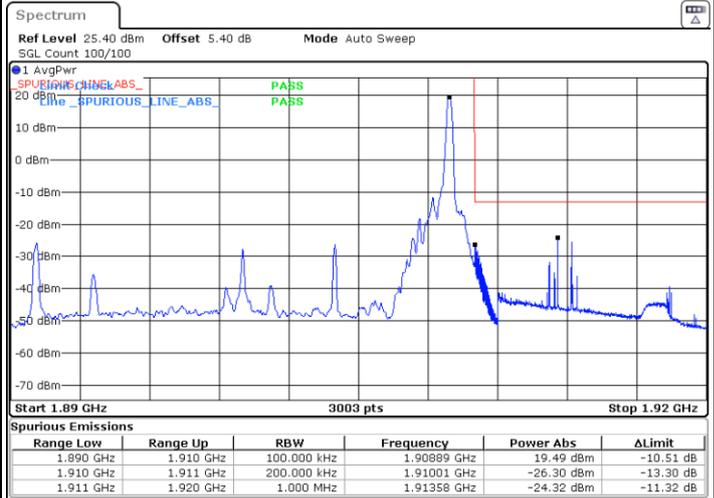
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



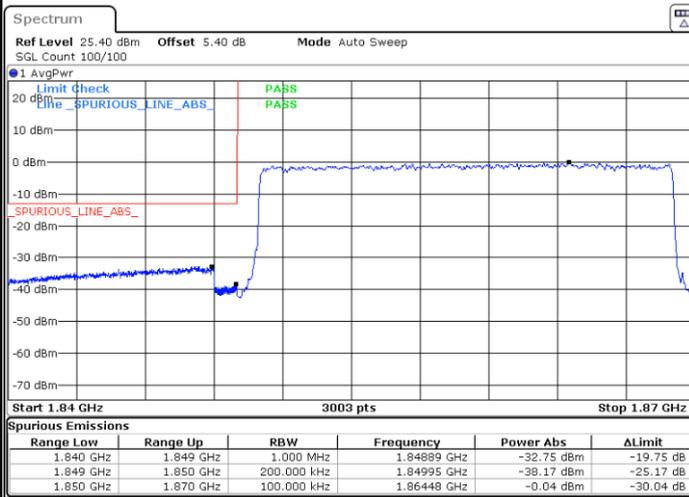
Date: 14.NOV.2024 17:11:02

Highest Band Edge / 1 RB



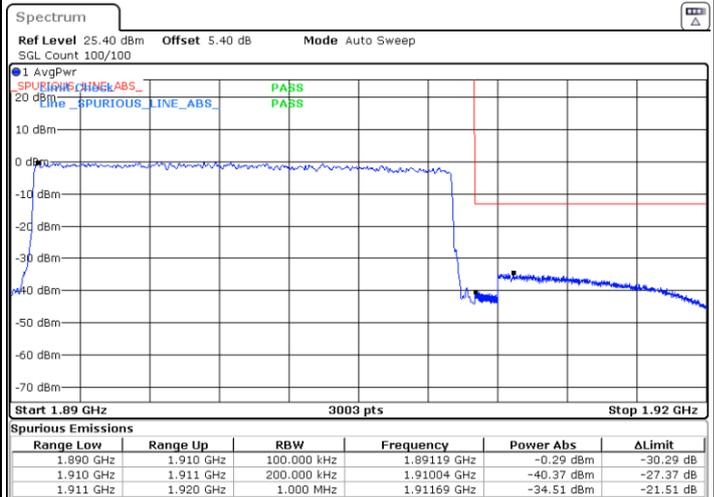
Date: 14.NOV.2024 17:21:13

Lowest Band Edge / Full RB



Date: 14.NOV.2024 17:12:17

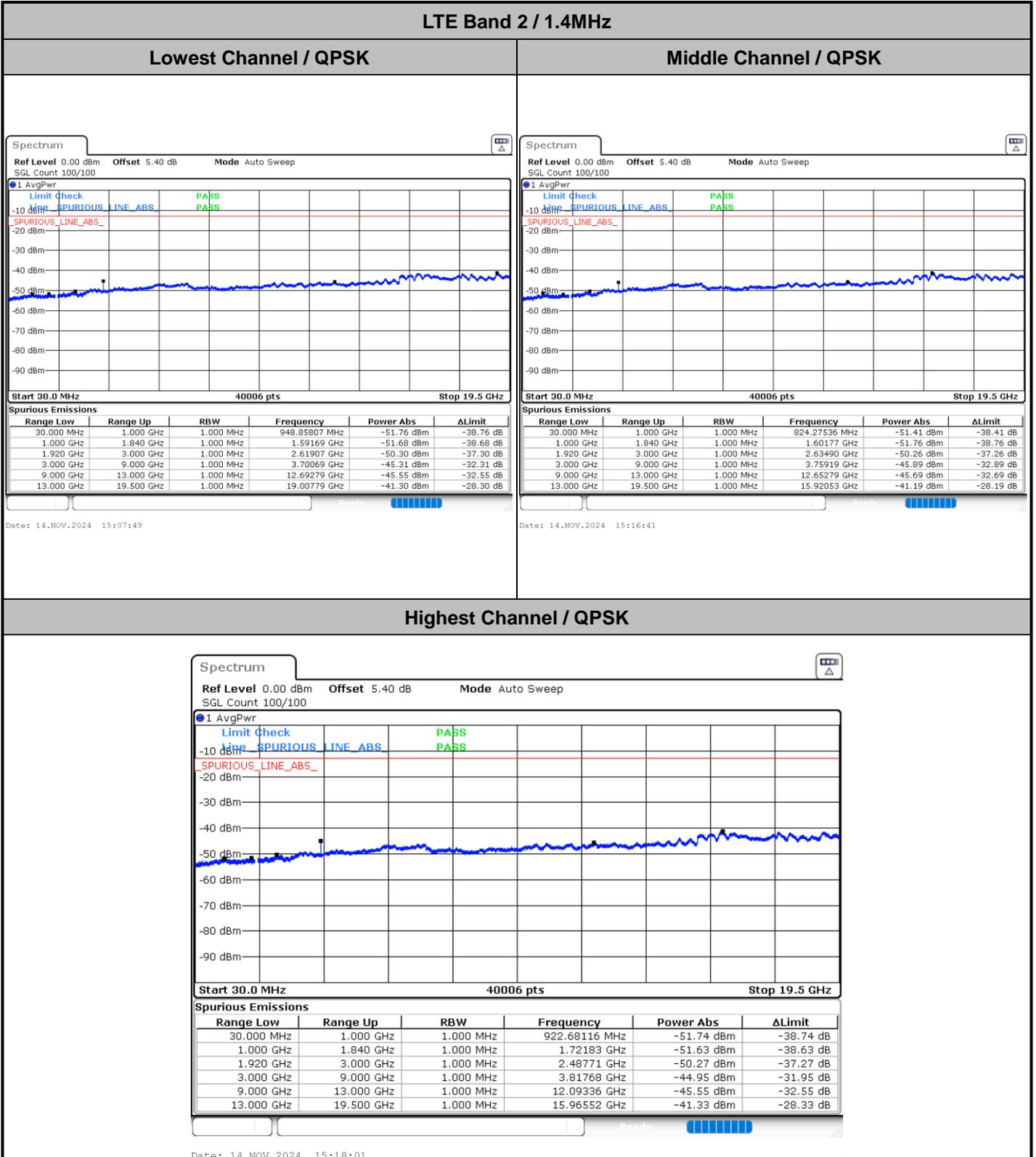
Highest Band Edge / Full RB



Date: 14.NOV.2024 17:22:28



Conducted Spurious Emission

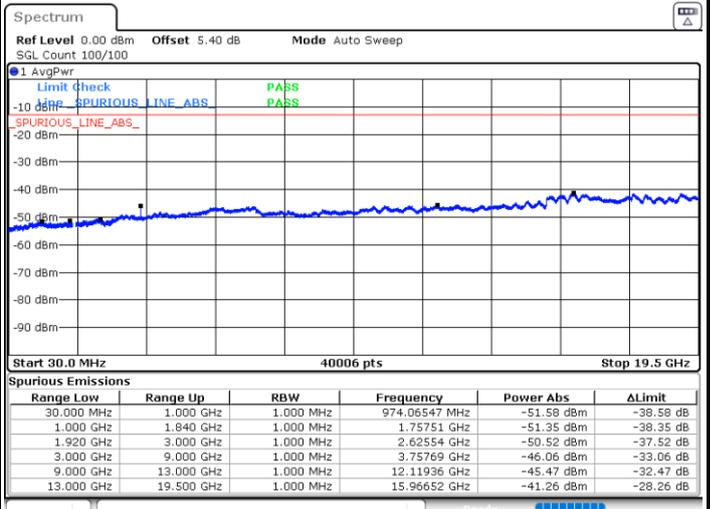
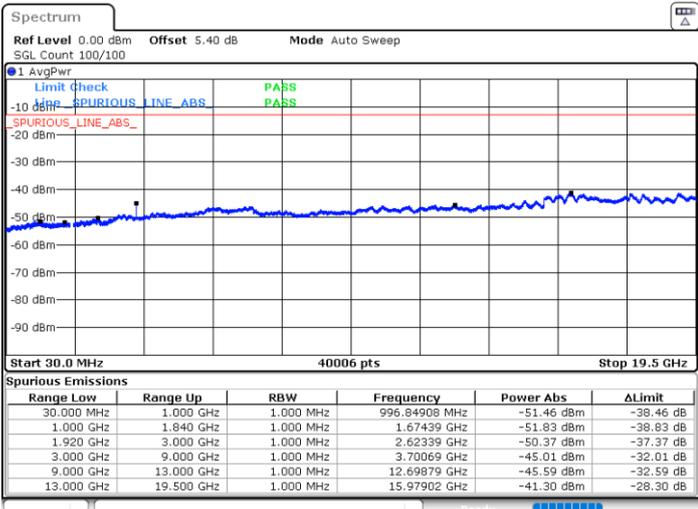




LTE Band 2 / 3MHz

Lowest Channel / QPSK

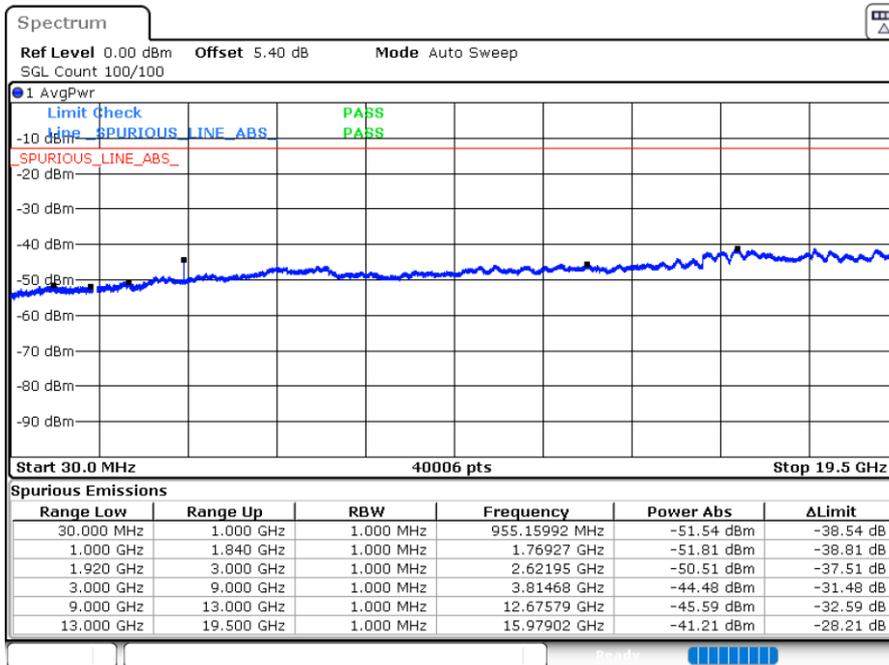
Middle Channel / QPSK



Date: 14.NOV.2024 15:26:53

Date: 14.NOV.2024 15:35:45

Highest Channel / QPSK



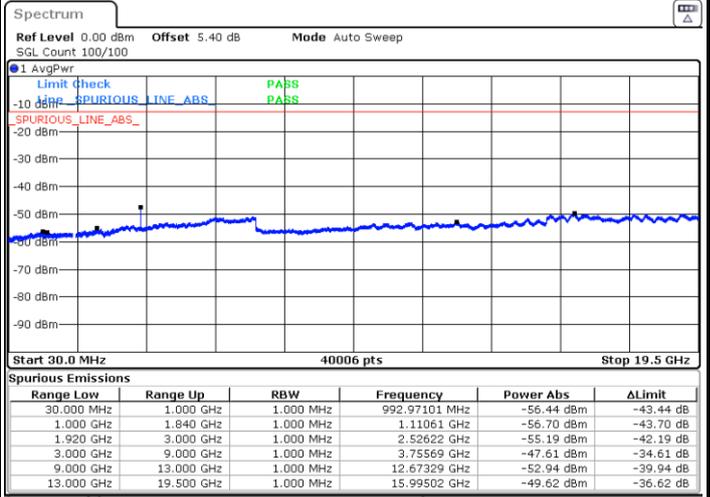
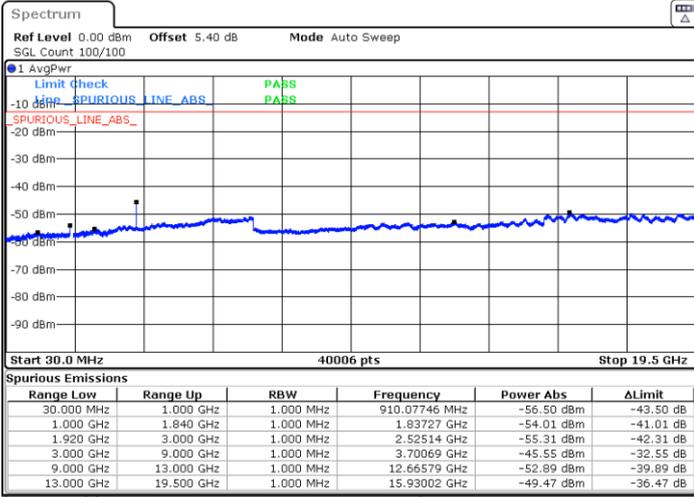
Date: 14.NOV.2024 15:37:04



LTE Band 2 / 5MHz

Lowest Channel / QPSK

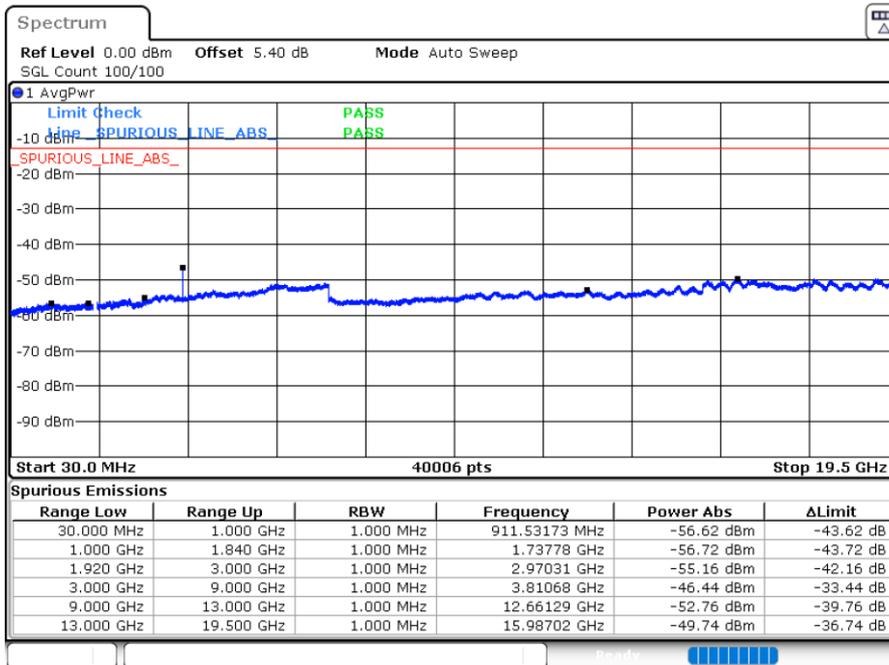
Middle Channel / QPSK



Date: 14.NOV.2024 15:45:56

Date: 14.NOV.2024 15:54:47

Highest Channel / QPSK



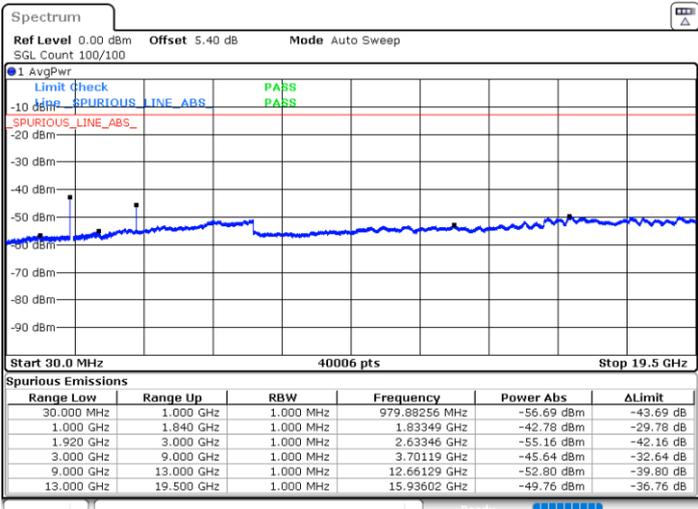
Date: 14.NOV.2024 15:56:08



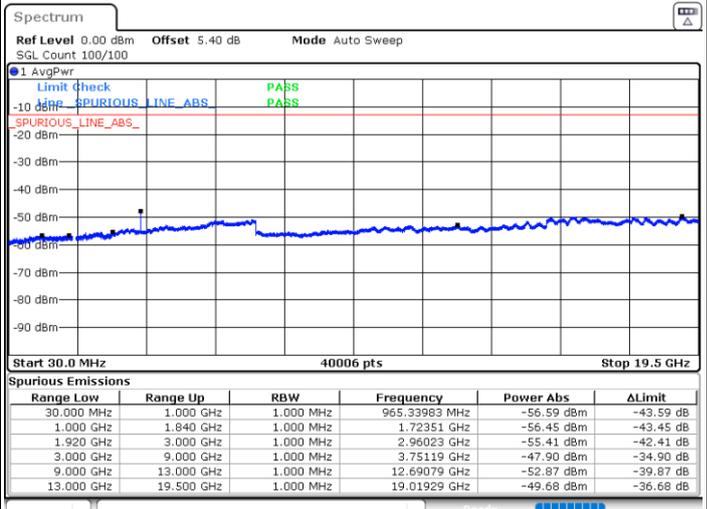
LTE Band 2 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

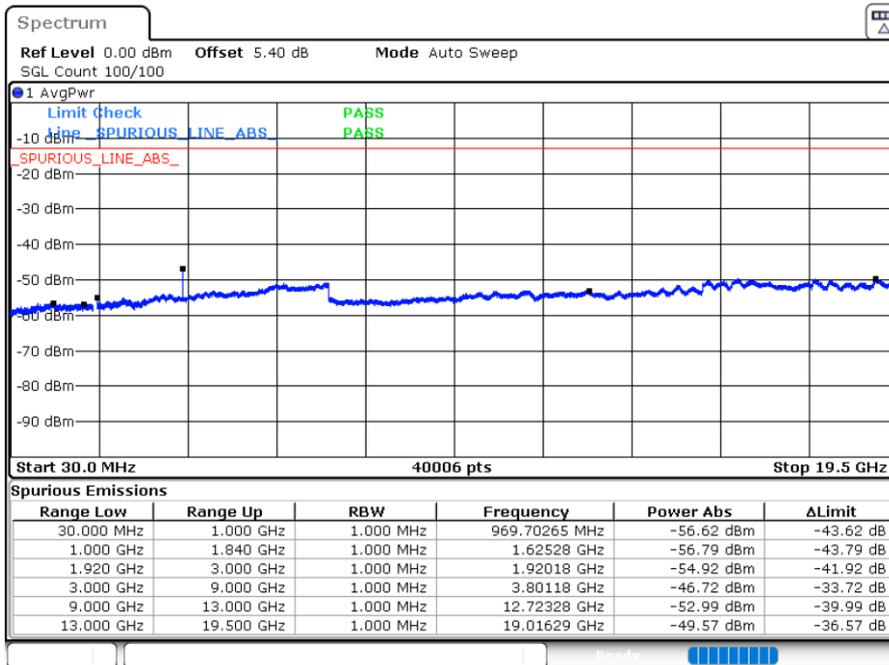


Date: 14.NOV.2024 16:04:59



Date: 14.NOV.2024 16:13:49

Highest Channel / QPSK



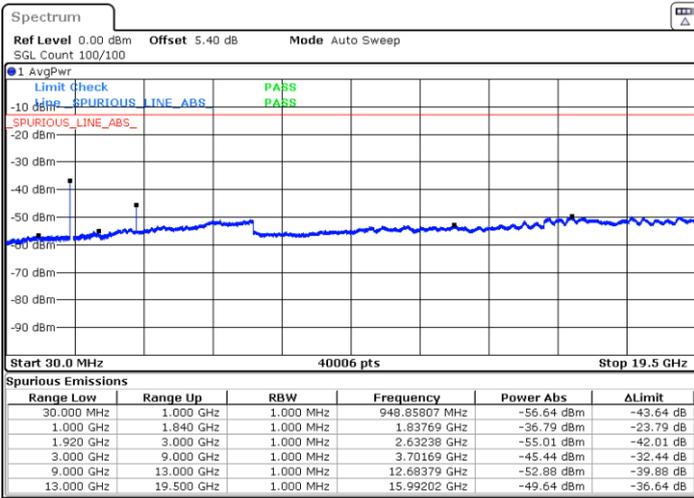
Date: 14.NOV.2024 16:15:09



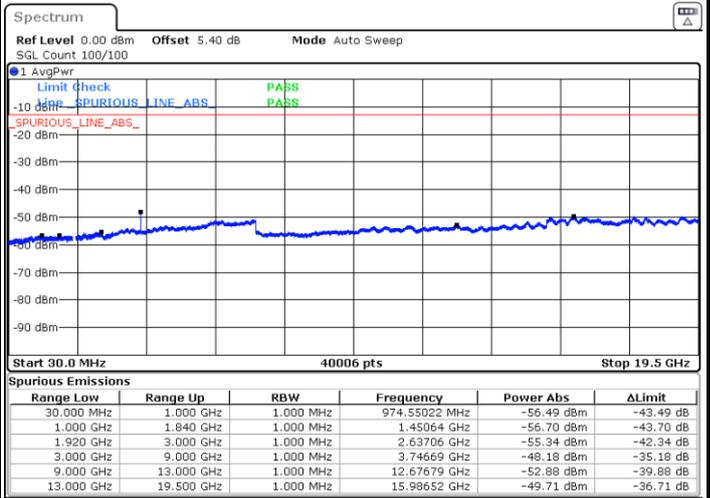
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

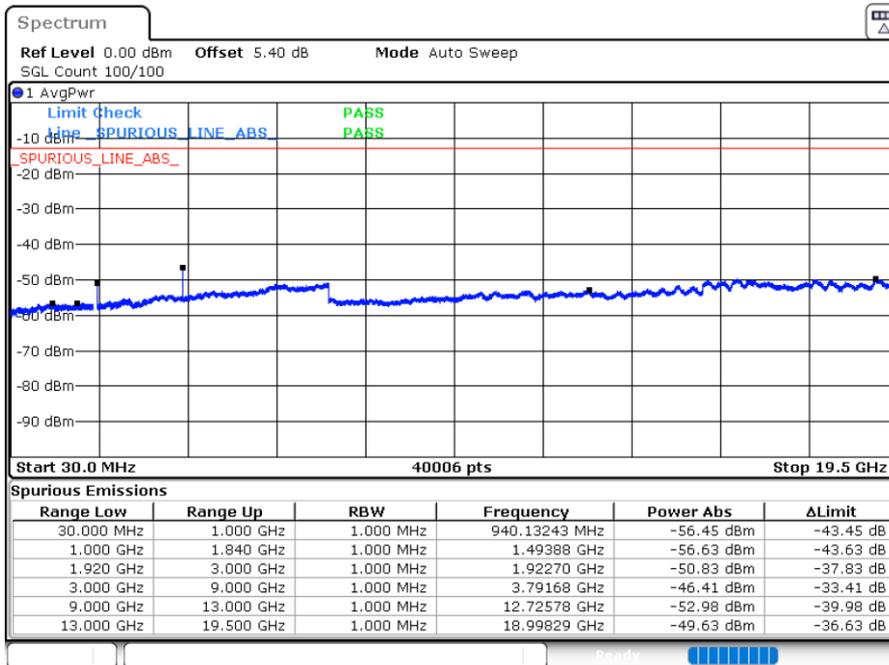


Date: 14.NOV.2024 16:24:01



Date: 14.NOV.2024 16:32:52

Highest Channel / QPSK



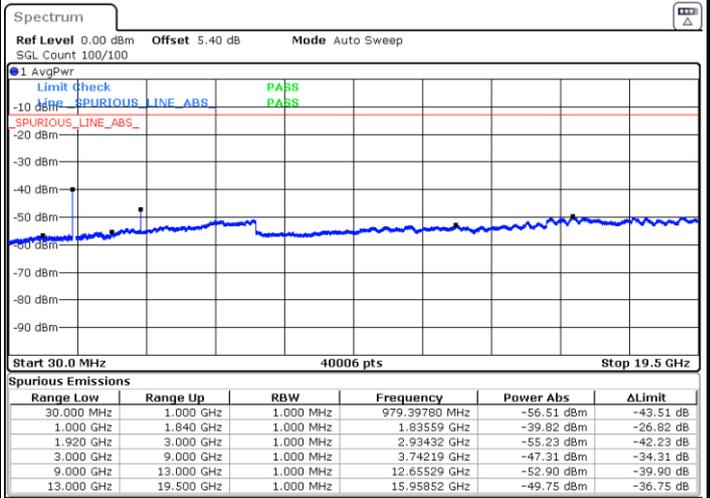
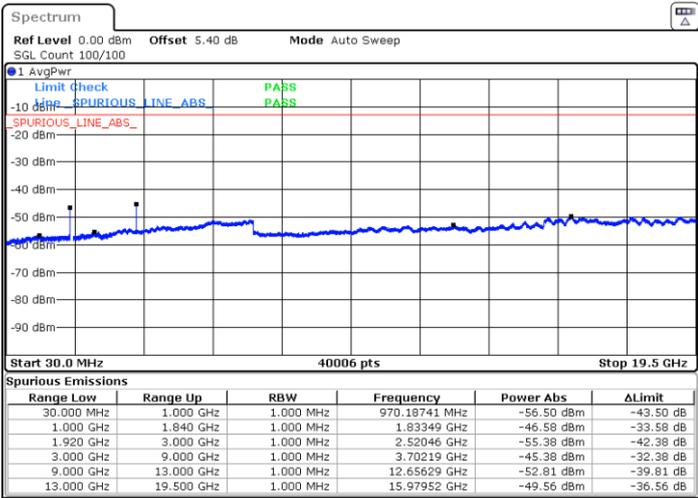
Date: 14.NOV.2024 16:34:12



LTE Band 2 / 20MHz

Lowest Channel / QPSK

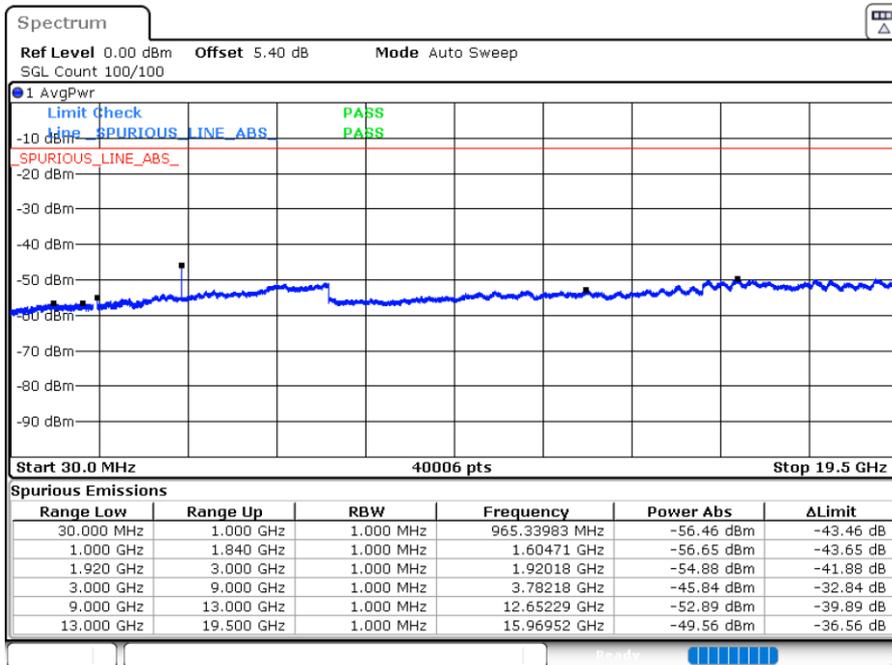
Middle Channel / QPSK



Date: 14.NOV.2024 17:07:17

Date: 14.NOV.2024 17:16:07

Highest Channel / QPSK



Date: 14.NOV.2024 17:17:27



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	0.0019	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0007	

Note:

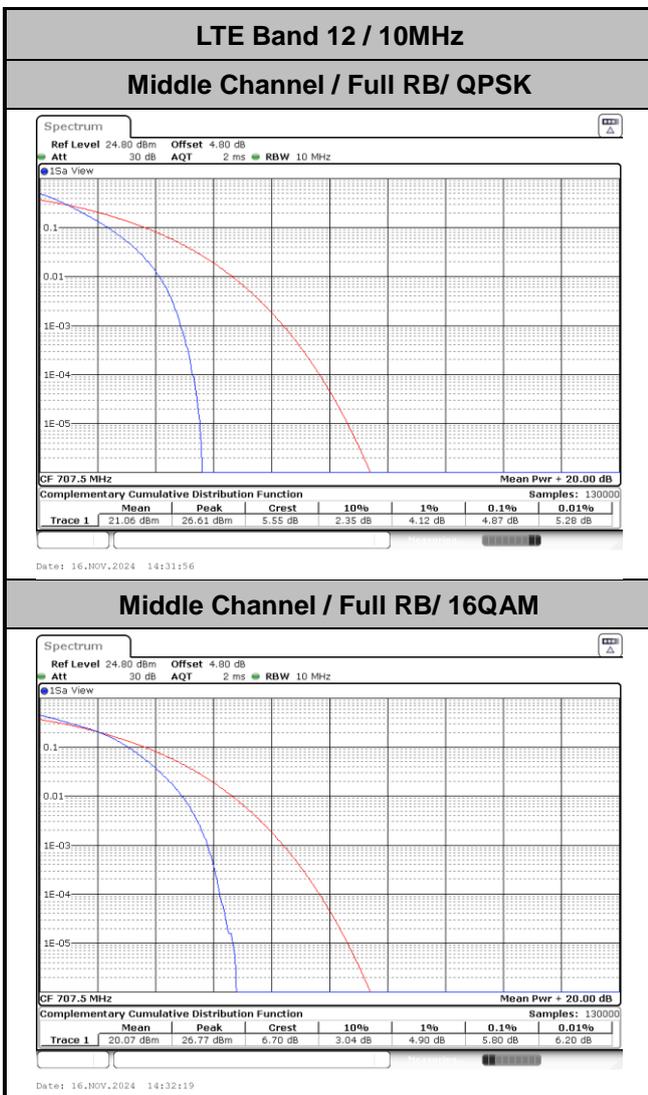
1. Normal Voltage = 3.91V ; Minimum Voltage =3.45V. ; Maximum Voltage =4.53V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

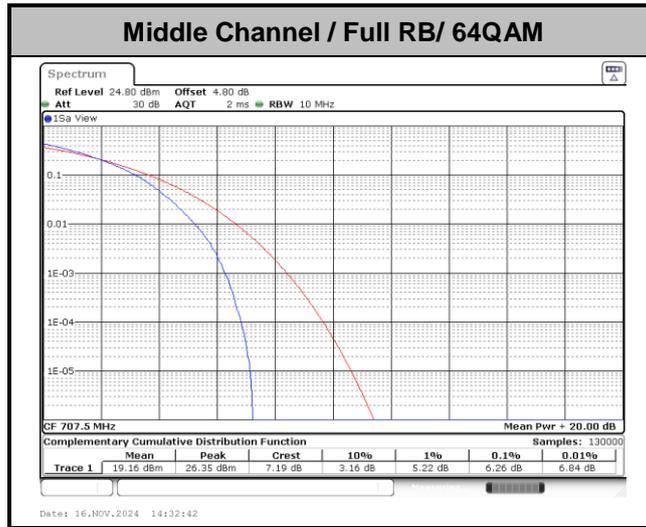


LTE Band 12

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	4.87	5.80	6.26	PASS

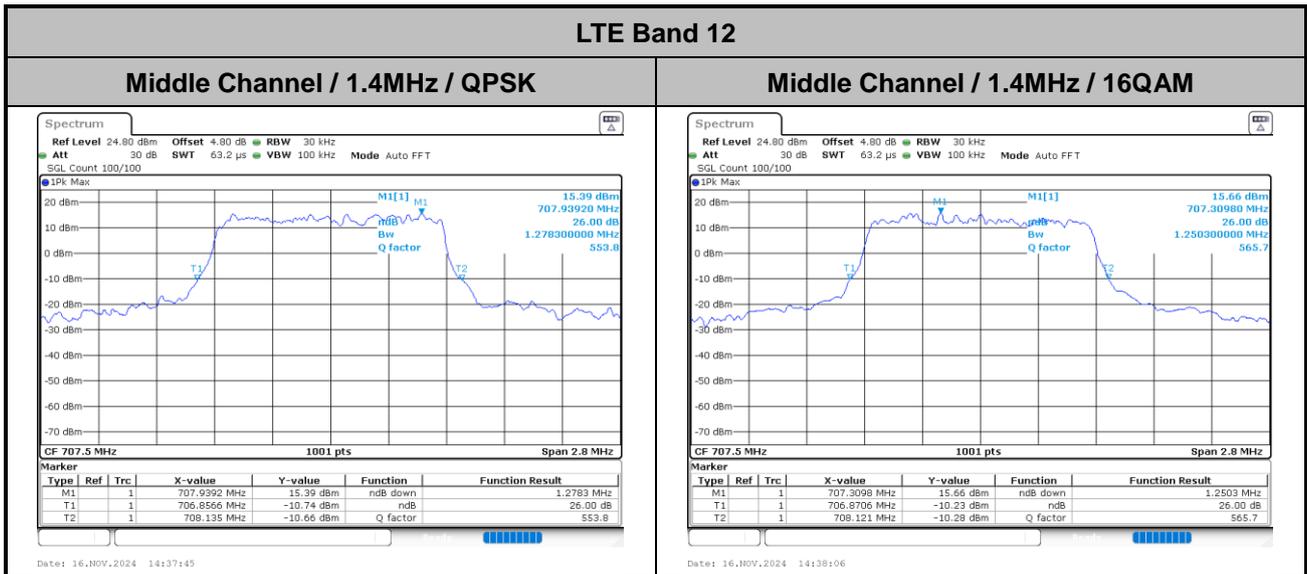






26dB Bandwidth

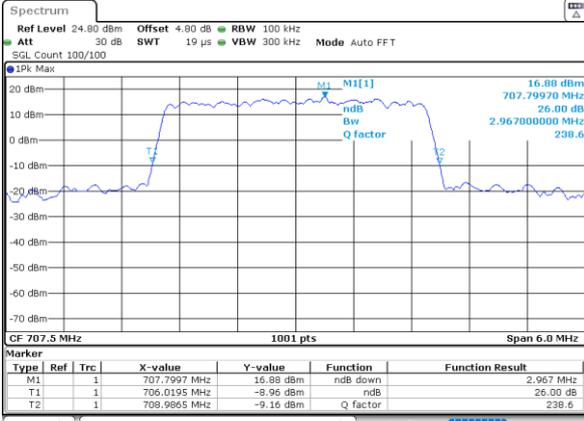
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.28	1.25
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.97	2.96
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.99	5.06
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	10.01	9.87





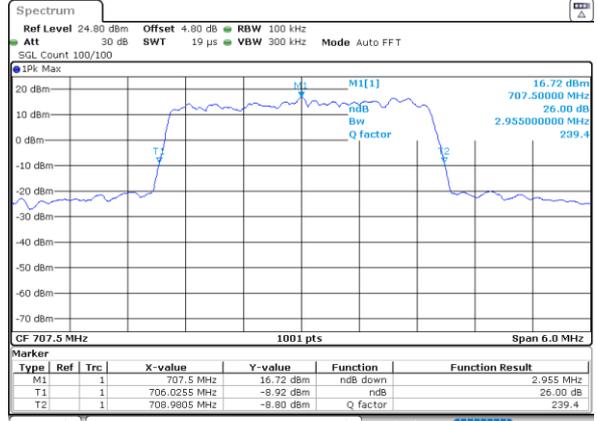
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 16.NOV.2024 14:36:39

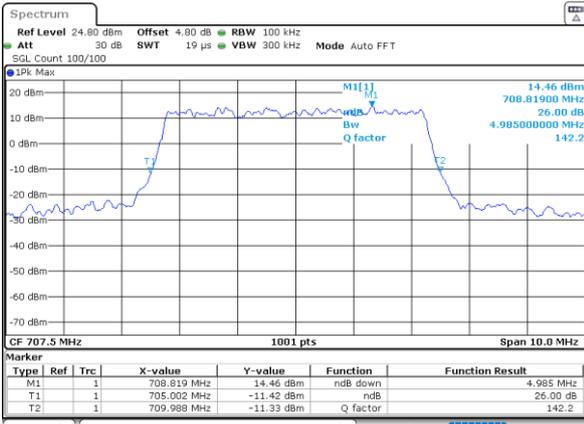
Middle Channel / 3MHz / 16QAM



Date: 16.NOV.2024 14:36:18

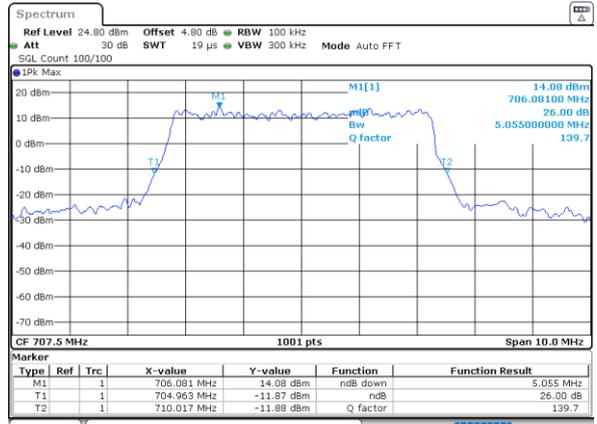
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 16.NOV.2024 14:34:52

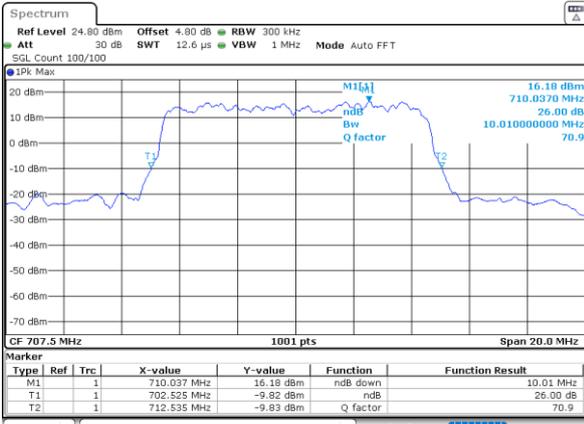
Middle Channel / 5MHz / 16QAM



Date: 16.NOV.2024 14:35:13

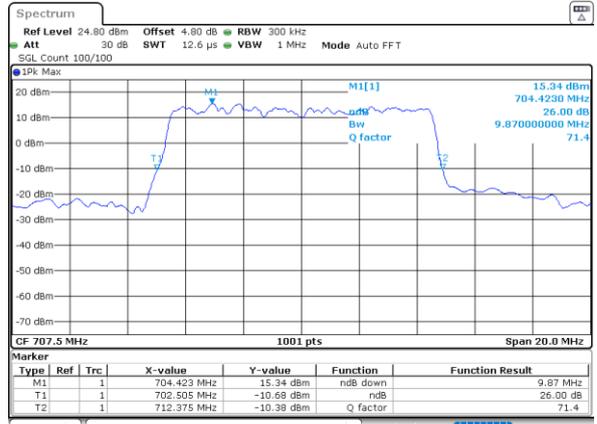
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 16.NOV.2024 14:33:46

Middle Channel / 10MHz / 16QAM



Date: 16.NOV.2024 14:34:08



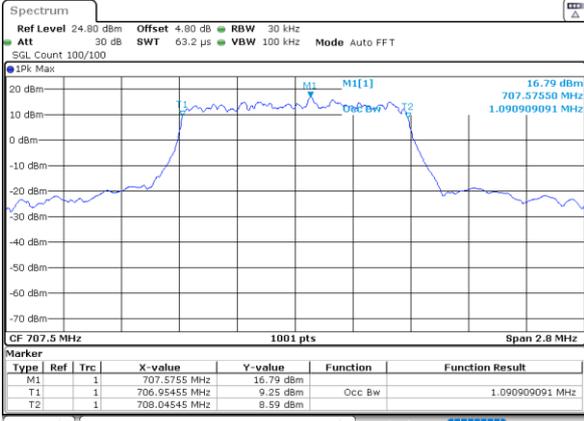
Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.68	2.70
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.51
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.11



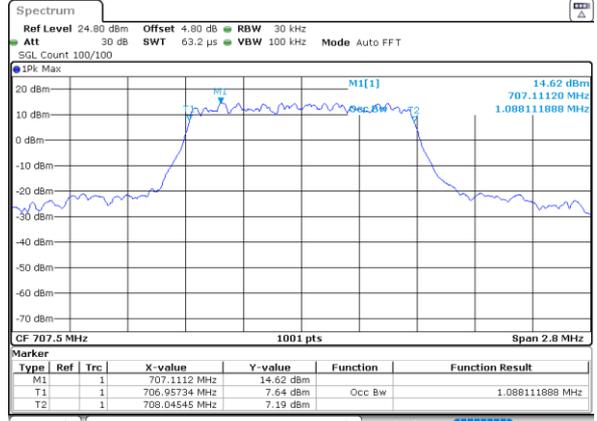
LTE Band 12

Middle Channel / 1.4MHz / QPSK



Date: 16.NOV.2024 14:37:23

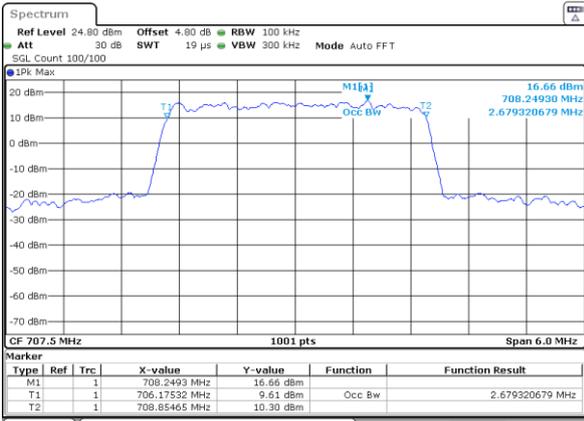
Middle Channel / 1.4MHz / 16QAM



Date: 16.NOV.2024 14:38:27

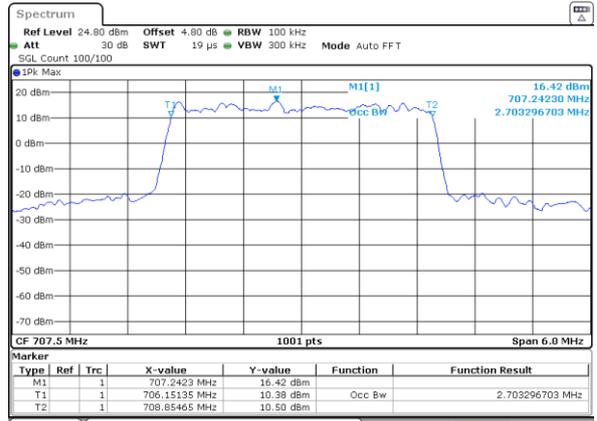
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 16.NOV.2024 14:37:01

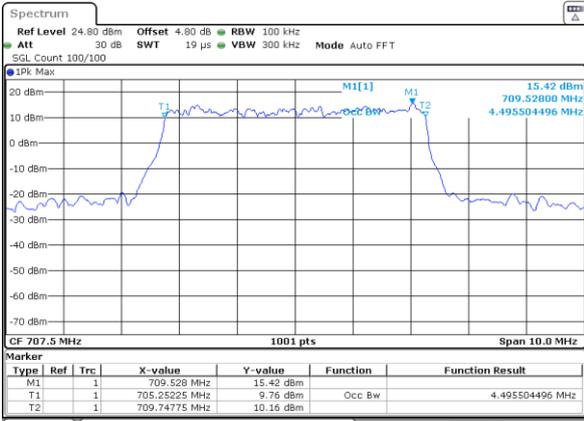
Middle Channel / 3MHz / 16QAM



Date: 16.NOV.2024 14:35:57

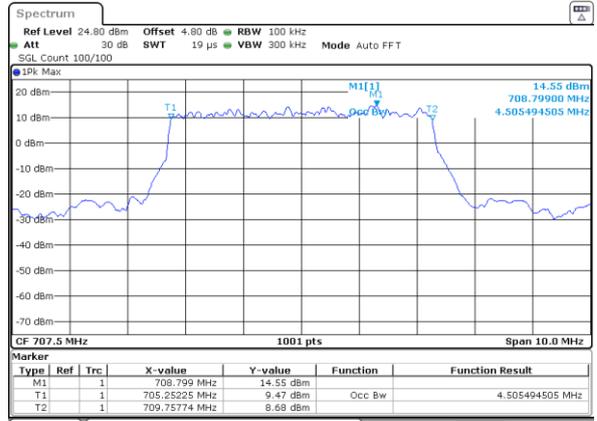
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 16.NOV.2024 14:34:33

Middle Channel / 5MHz / 16QAM

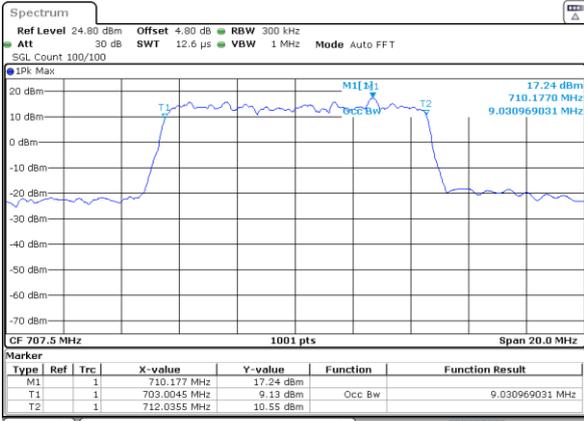


Date: 16.NOV.2024 14:35:34



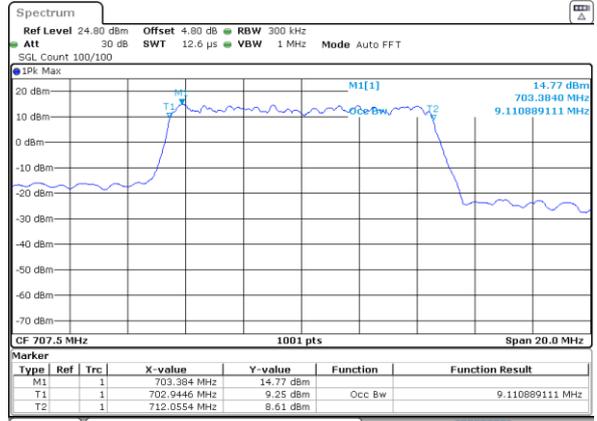
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 16.NOV.2024 14:33:04

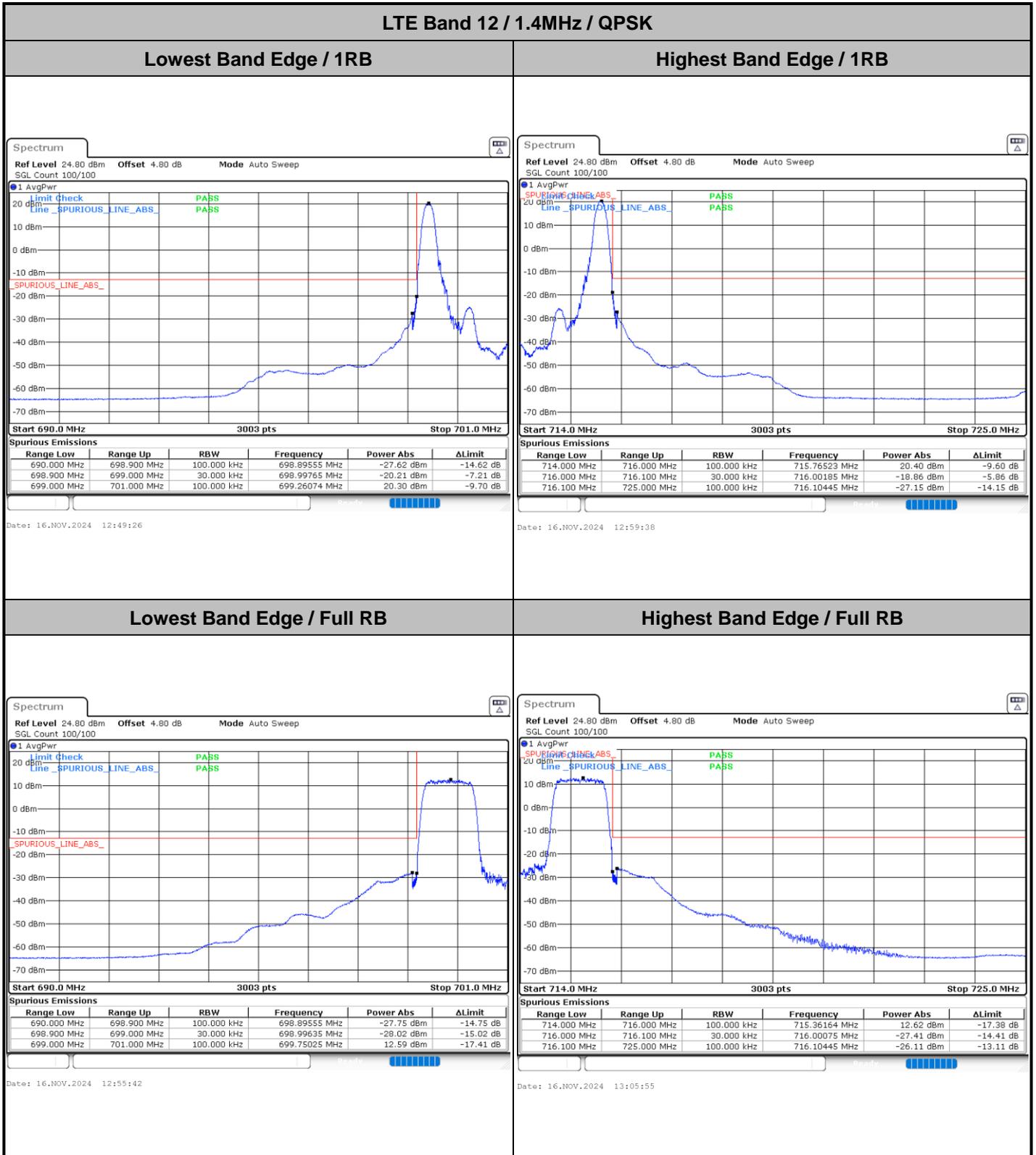
Middle Channel / 10MHz / 16QAM



Date: 16.NOV.2024 14:33:25



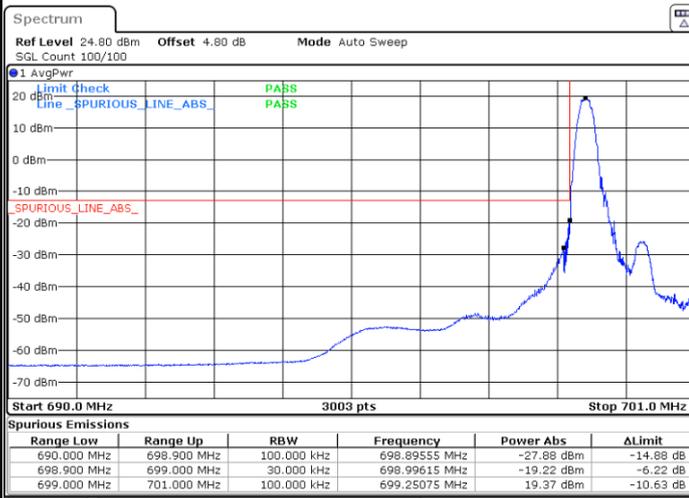
Conducted Band Edge





LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



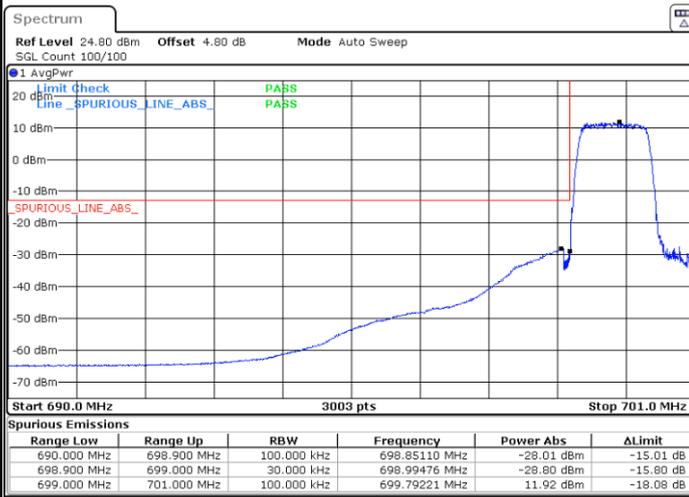
Date: 16.NOV.2024 12:50:41

Highest Band Edge / 1 RB



Date: 16.NOV.2024 13:00:53

Lowest Band Edge / Full RB



Date: 16.NOV.2024 12:54:27

Highest Band Edge / Full RB

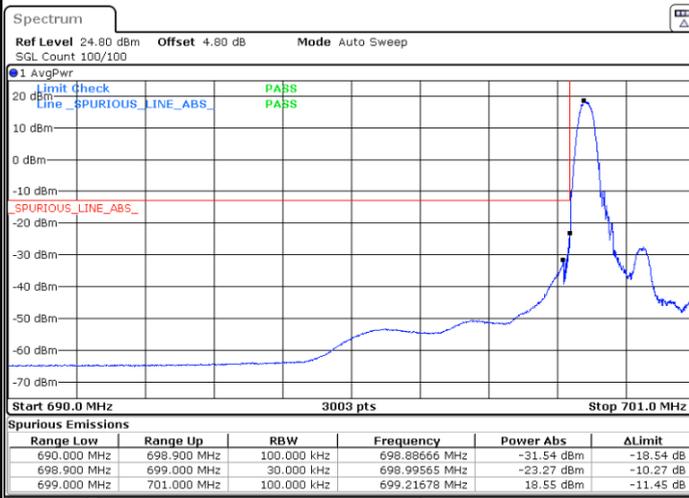


Date: 16.NOV.2024 13:04:40



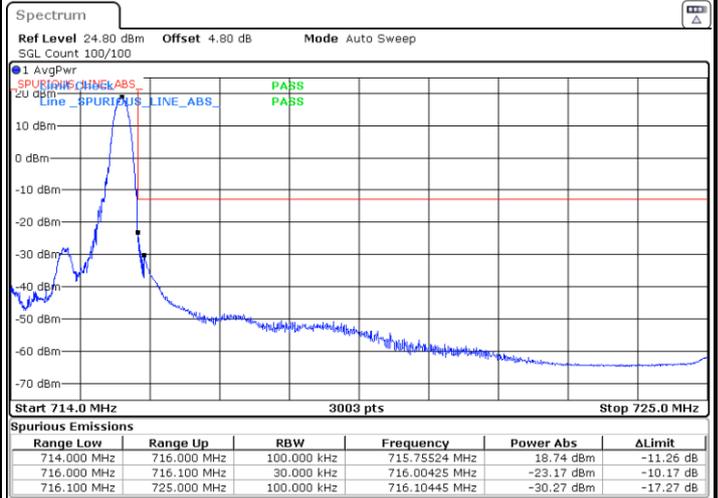
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 16.NOV.2024 12:51:56

Highest Band Edge / 1 RB



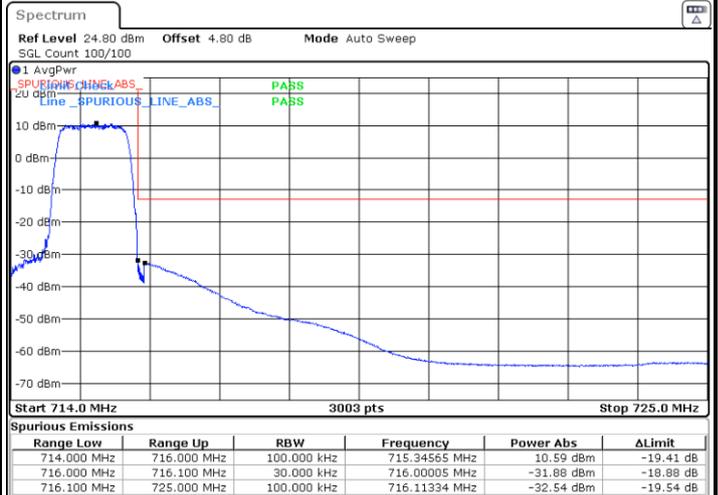
Date: 16.NOV.2024 13:02:09

Lowest Band Edge / Full RB



Date: 16.NOV.2024 12:53:12

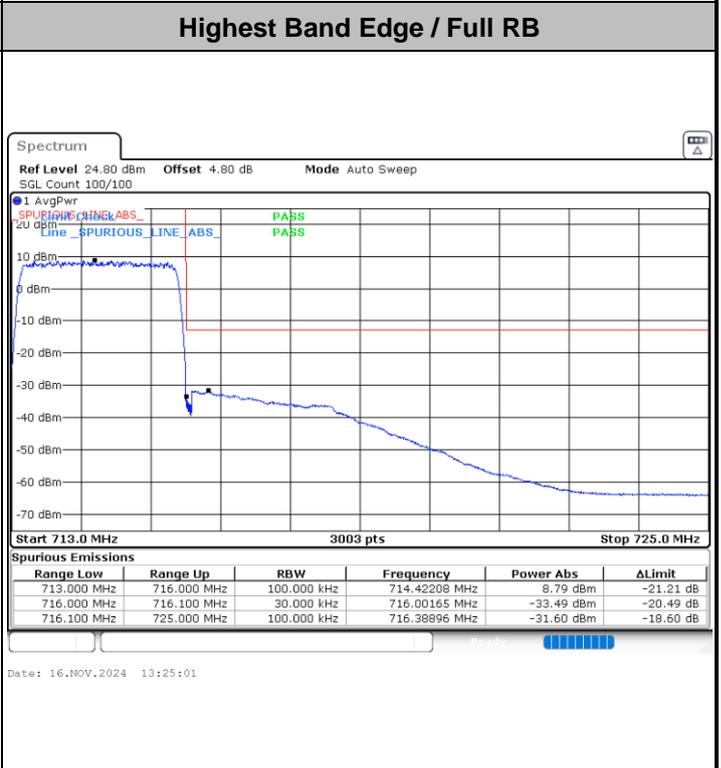
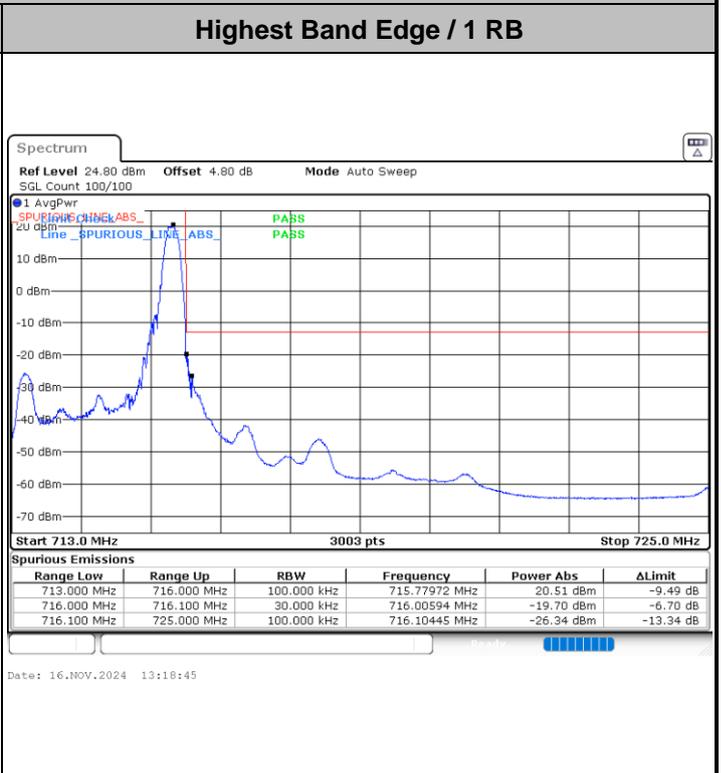
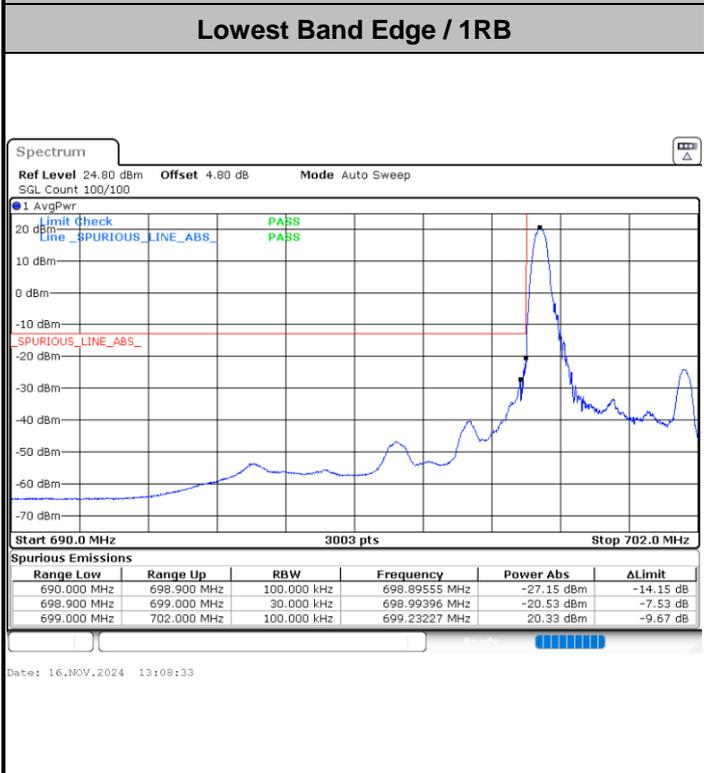
Highest Band Edge / Full RB



Date: 16.NOV.2024 13:03:24



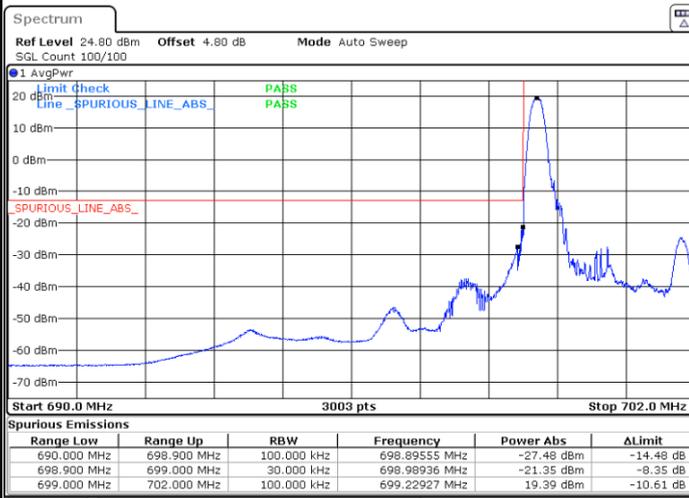
LTE Band 12 / 3MHz / QPSK





LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



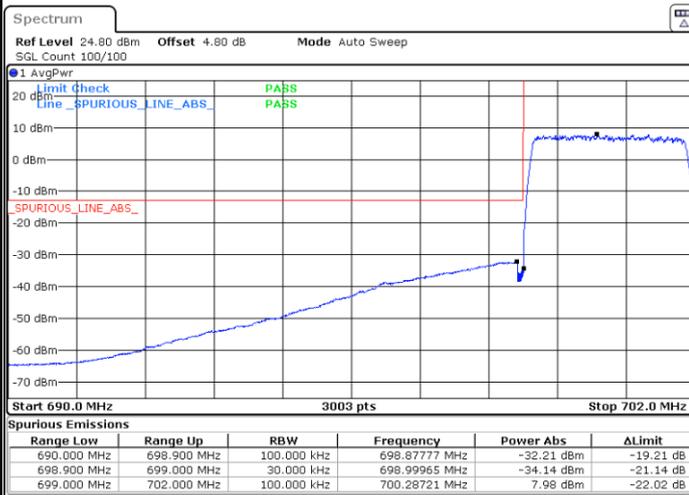
Date: 16.NOV.2024 13:09:48

Highest Band Edge / 1 RB



Date: 16.NOV.2024 13:20:00

Lowest Band Edge / Full RB



Date: 16.NOV.2024 13:13:33

Highest Band Edge / Full RB

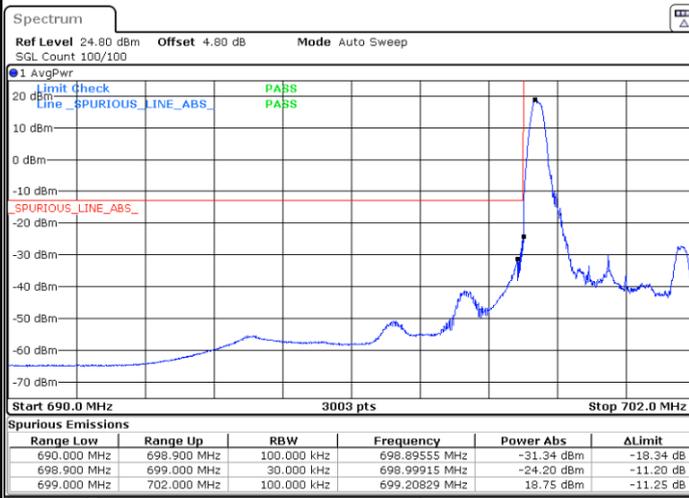


Date: 16.NOV.2024 13:23:45



LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



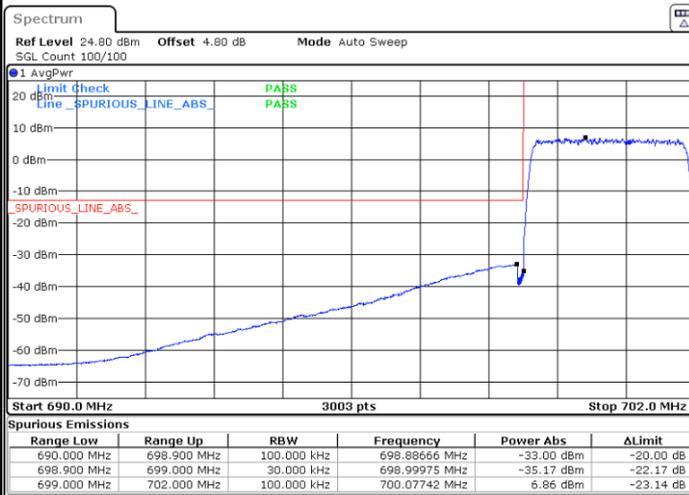
Date: 16.NOV.2024 13:11:03

Highest Band Edge / 1 RB



Date: 16.NOV.2024 13:21:15

Lowest Band Edge / Full RB



Date: 16.NOV.2024 13:12:18

Highest Band Edge / Full RB

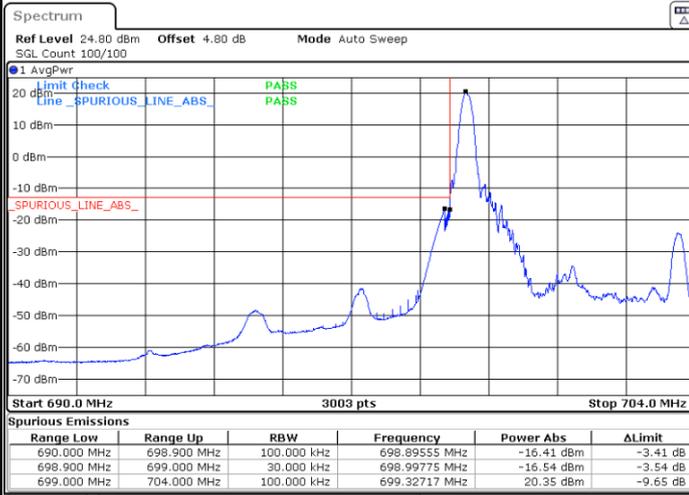


Date: 16.NOV.2024 13:22:30



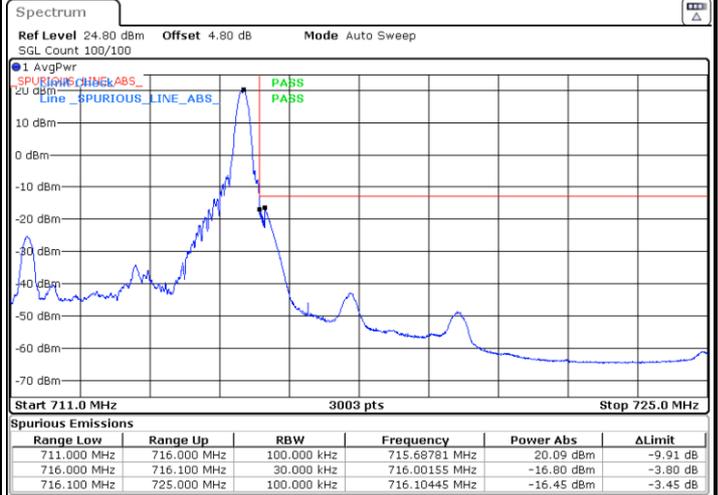
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



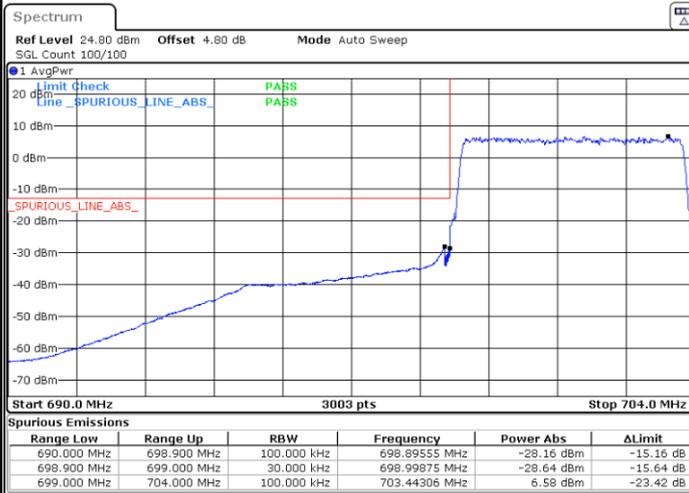
Date: 16.NOV.2024 13:27:38

Highest Band Edge / 1 RB



Date: 16.NOV.2024 13:37:51

Lowest Band Edge / Full RB



Date: 16.NOV.2024 13:33:55

Highest Band Edge / Full RB

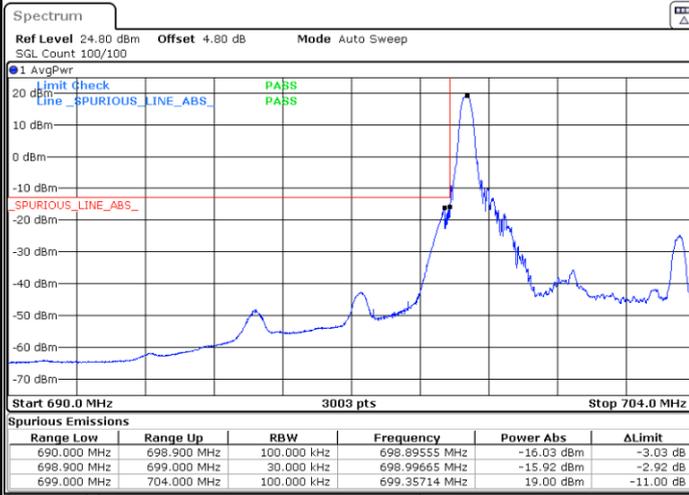


Date: 16.NOV.2024 13:44:07



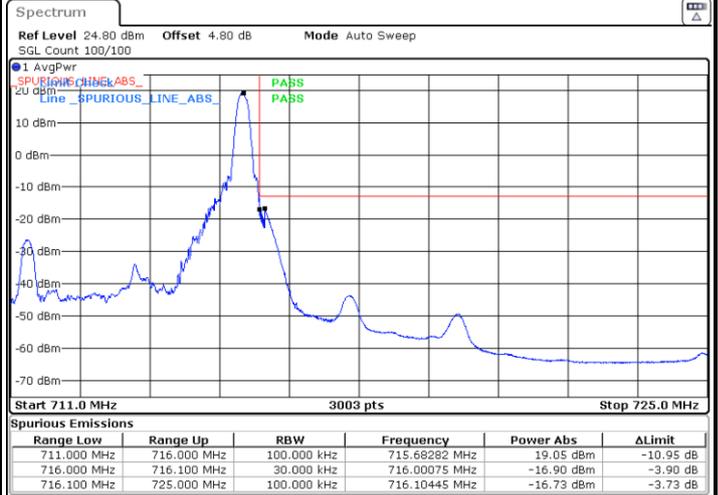
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



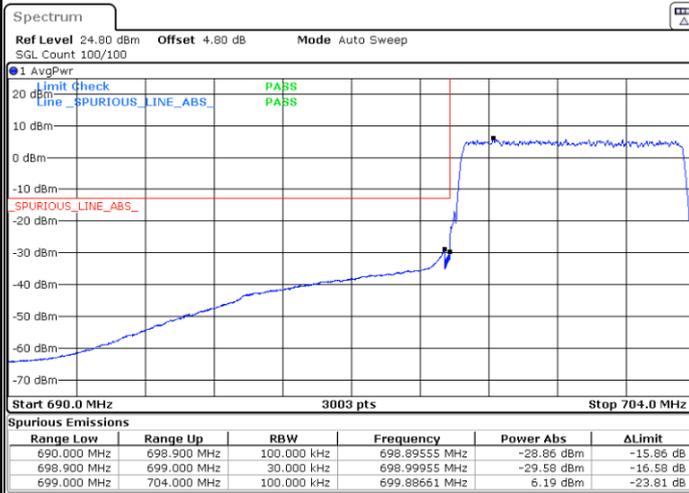
Date: 16.NOV.2024 13:28:54

Highest Band Edge / 1 RB



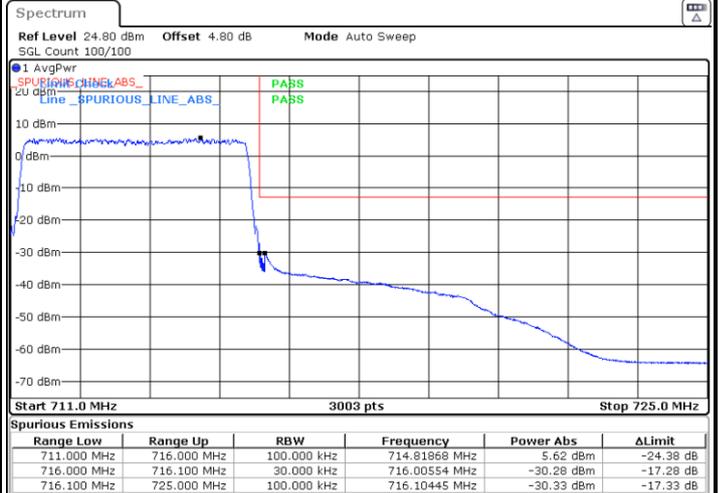
Date: 16.NOV.2024 13:39:06

Lowest Band Edge / Full RB



Date: 16.NOV.2024 13:32:40

Highest Band Edge / Full RB

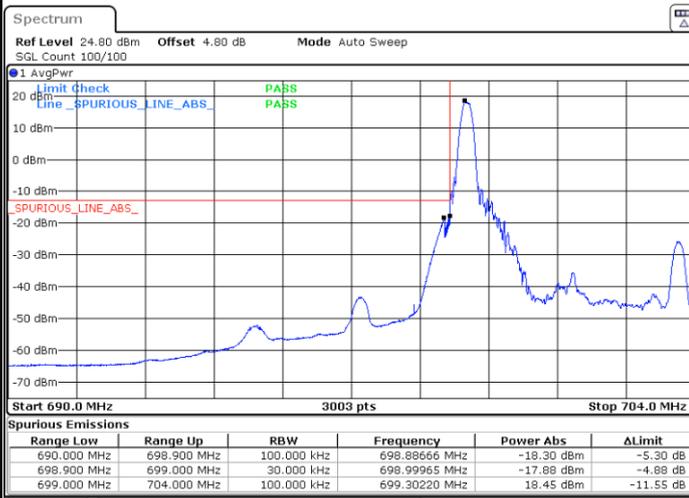


Date: 16.NOV.2024 13:42:52



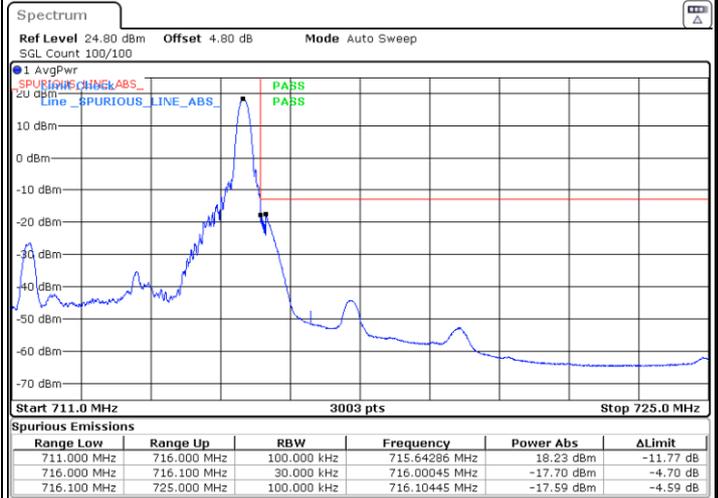
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



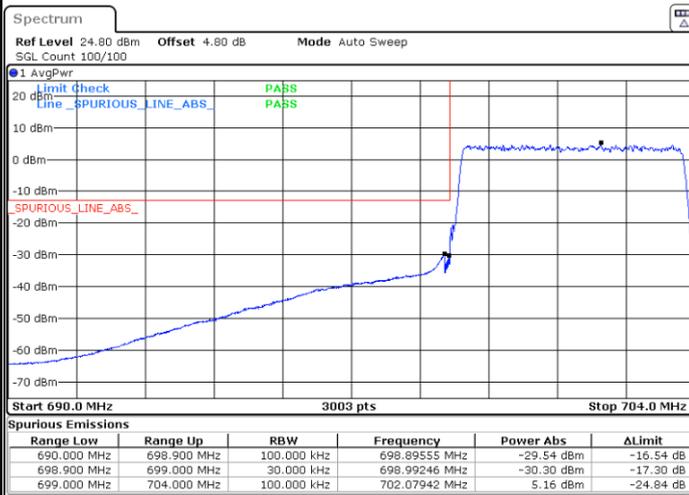
Date: 16.NOV.2024 13:30:09

Highest Band Edge / 1 RB



Date: 16.NOV.2024 13:40:21

Lowest Band Edge / Full RB



Date: 16.NOV.2024 13:31:24

Highest Band Edge / Full RB

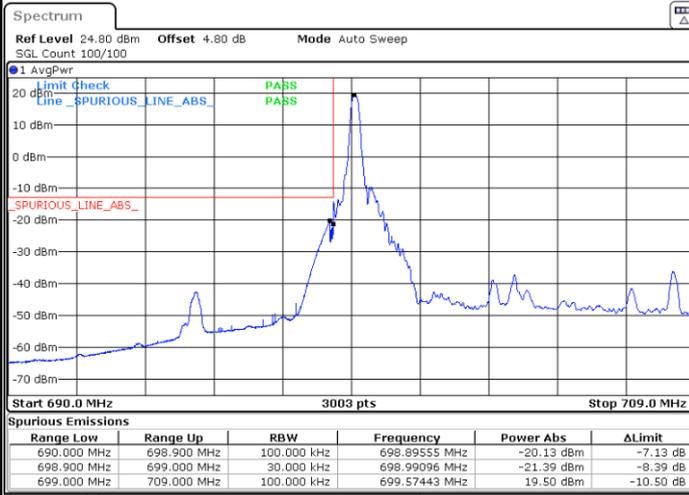


Date: 16.NOV.2024 13:41:37



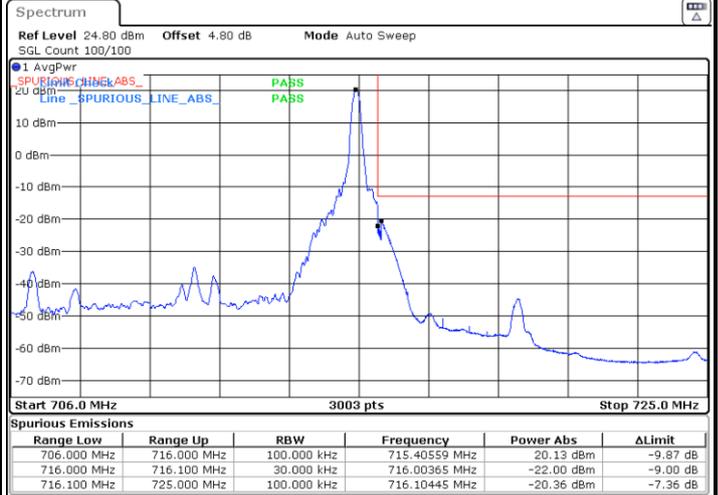
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



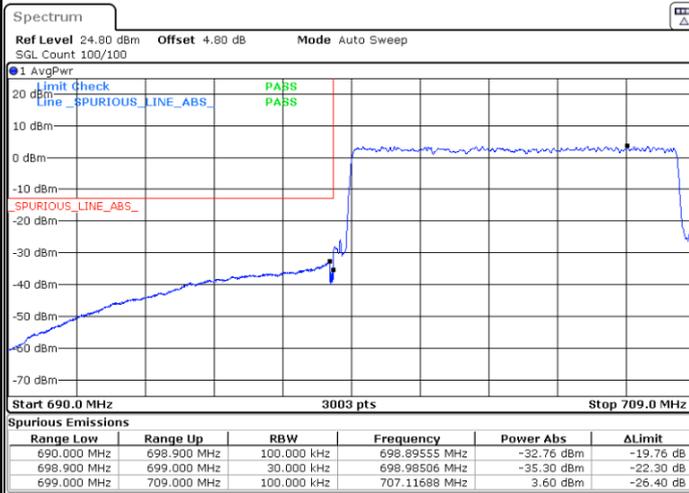
Date: 16.NOV.2024 13:46:45

Highest Band Edge / 1 RB



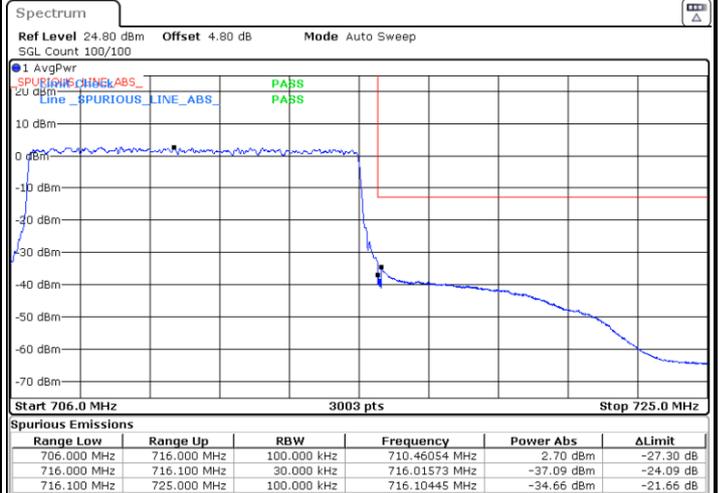
Date: 16.NOV.2024 14:25:18

Lowest Band Edge / Full RB



Date: 16.NOV.2024 14:21:22

Highest Band Edge / Full RB

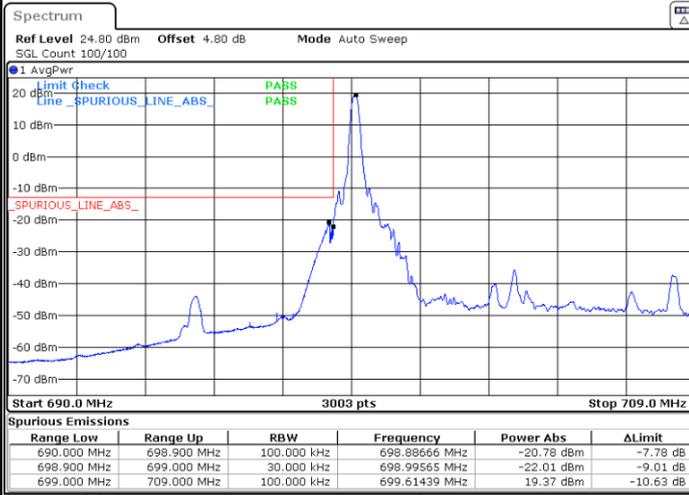


Date: 16.NOV.2024 14:30:18



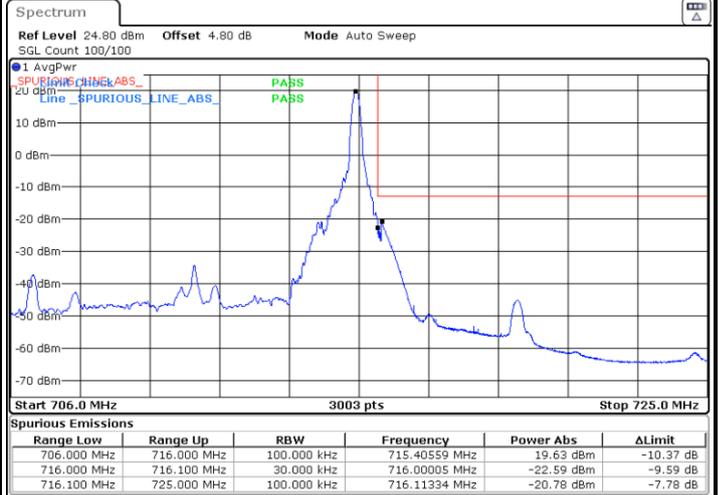
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



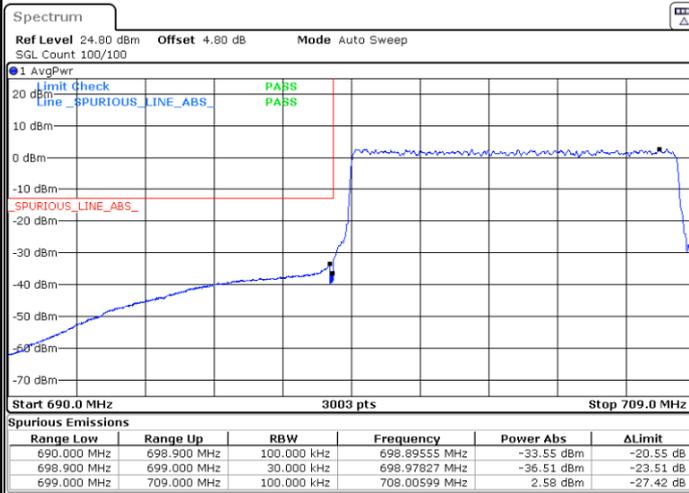
Date: 16.NOV.2024 13:48:00

Highest Band Edge / 1 RB



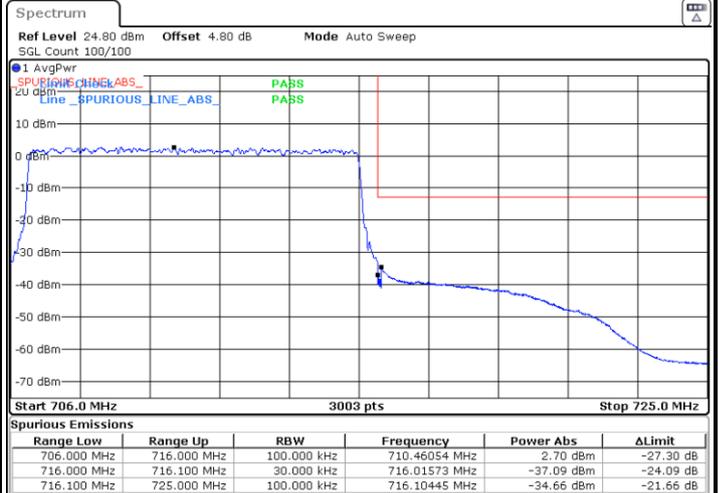
Date: 16.NOV.2024 14:26:33

Lowest Band Edge / Full RB



Date: 16.NOV.2024 13:51:46

Highest Band Edge / Full RB

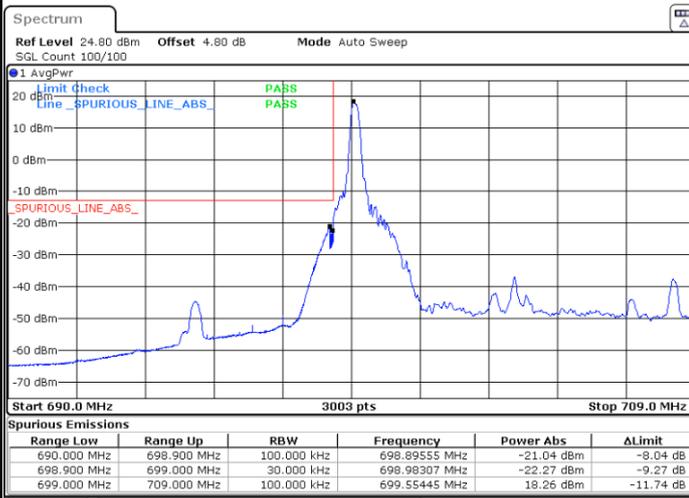


Date: 16.NOV.2024 14:30:18

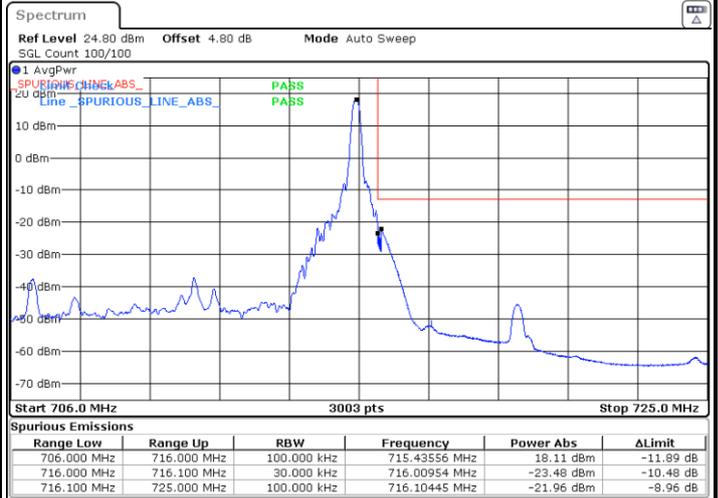


LTE Band 12 / 10MHz / 64QAM

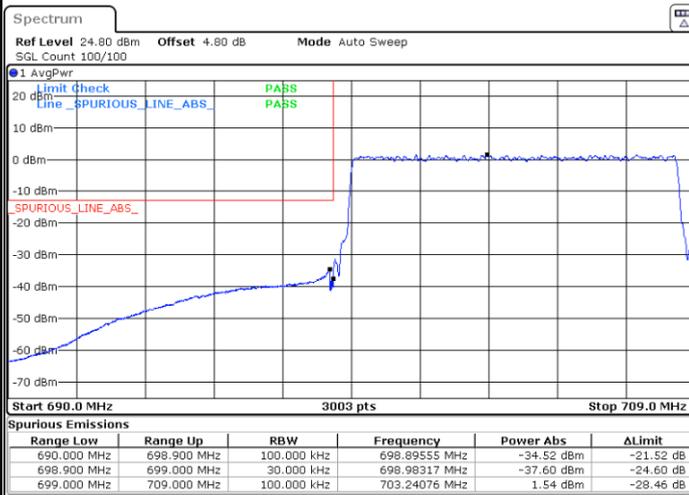
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

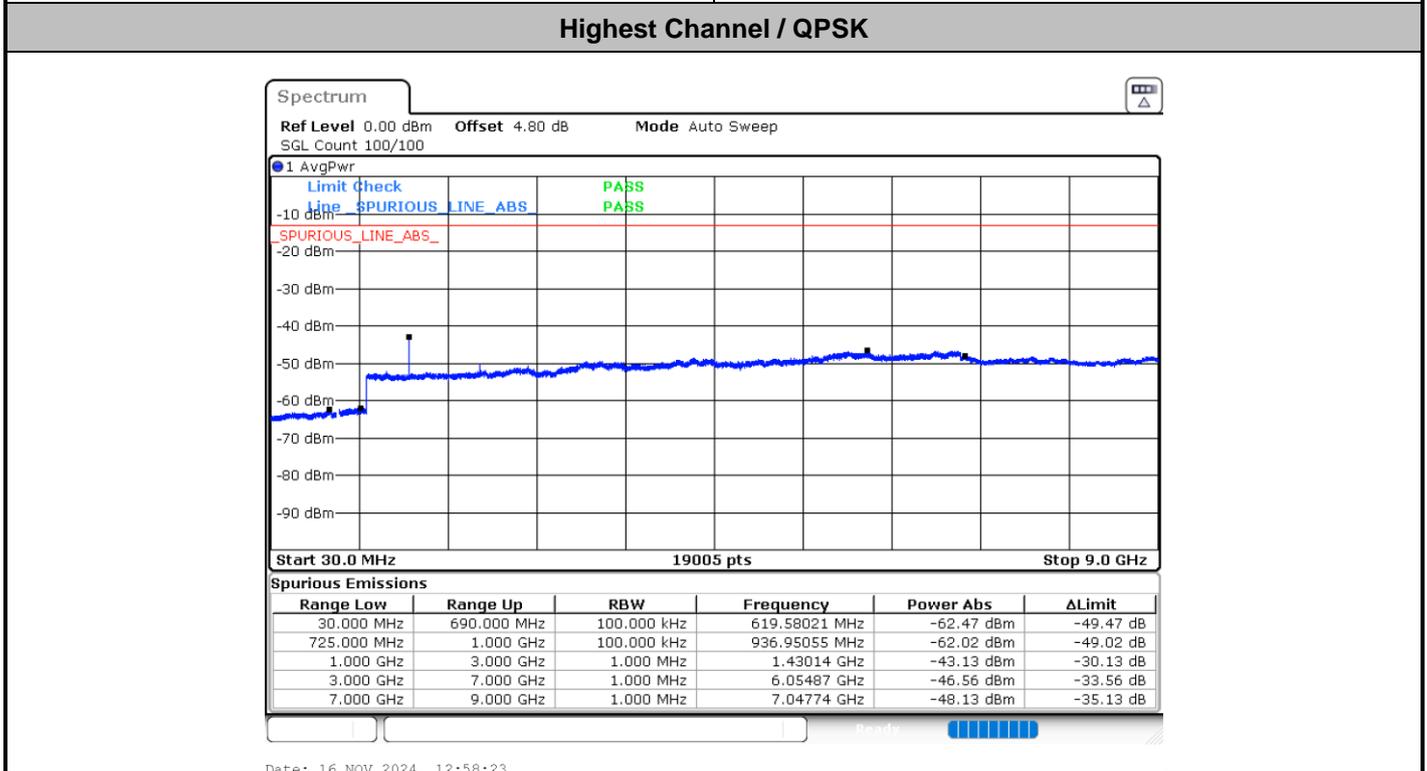
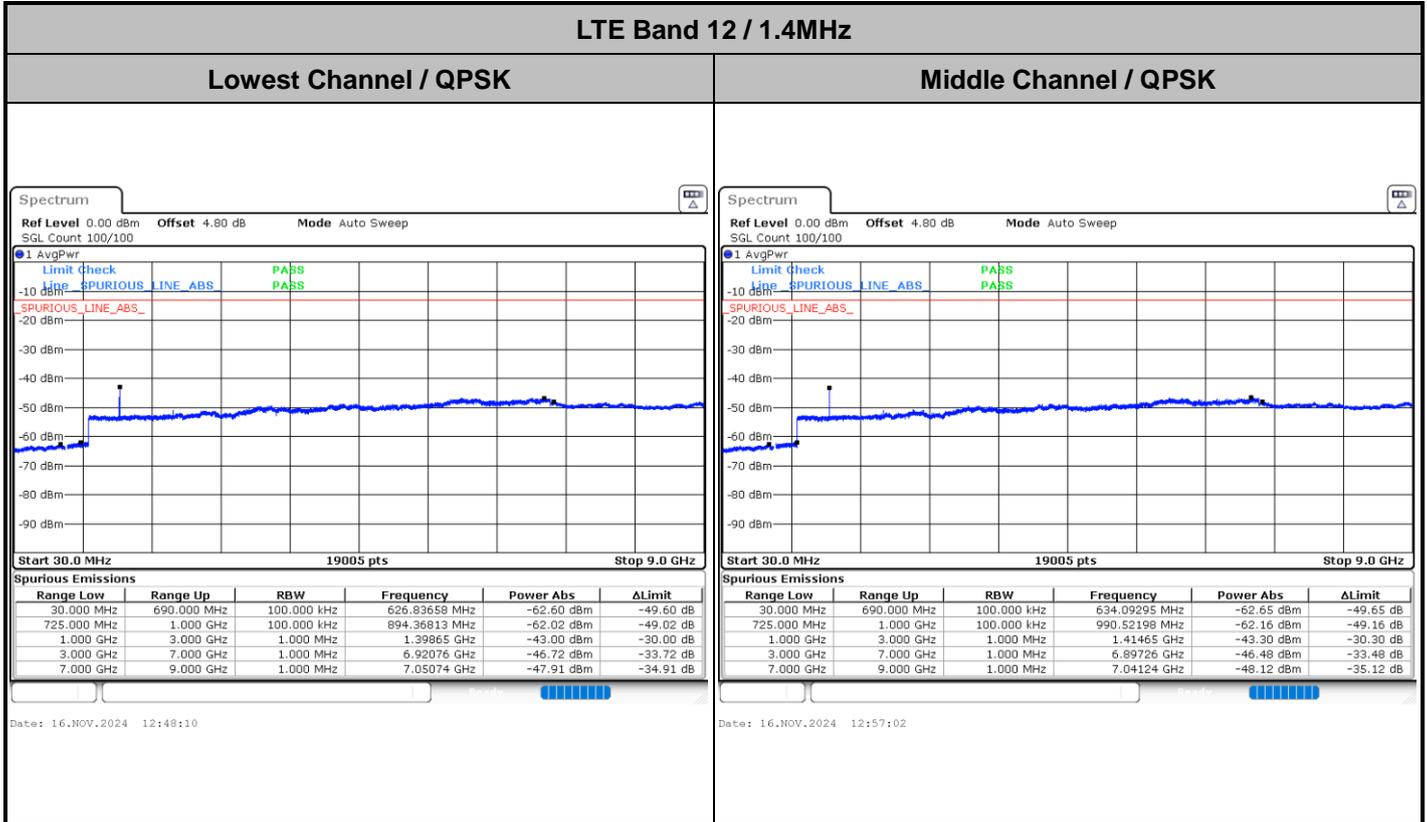


Highest Band Edge / Full RB





Conducted Spurious Emission

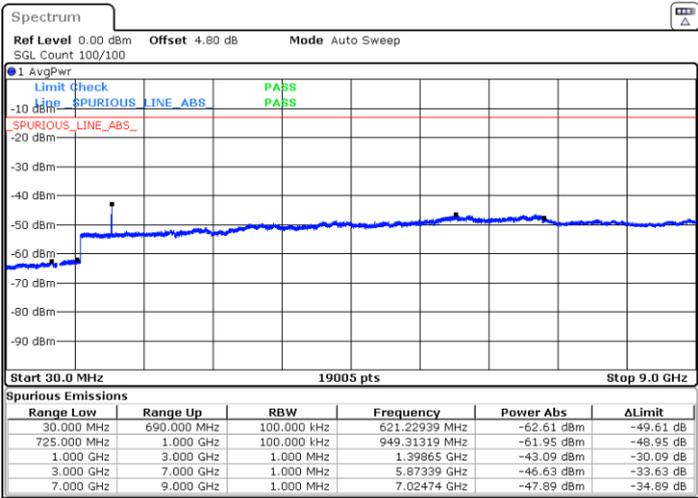




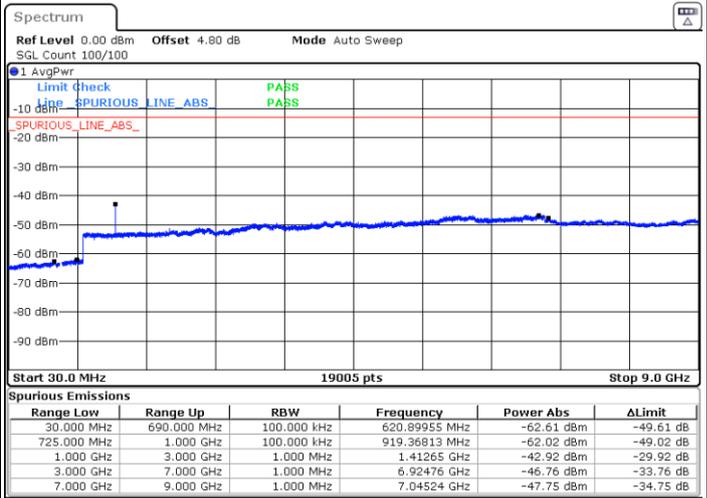
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

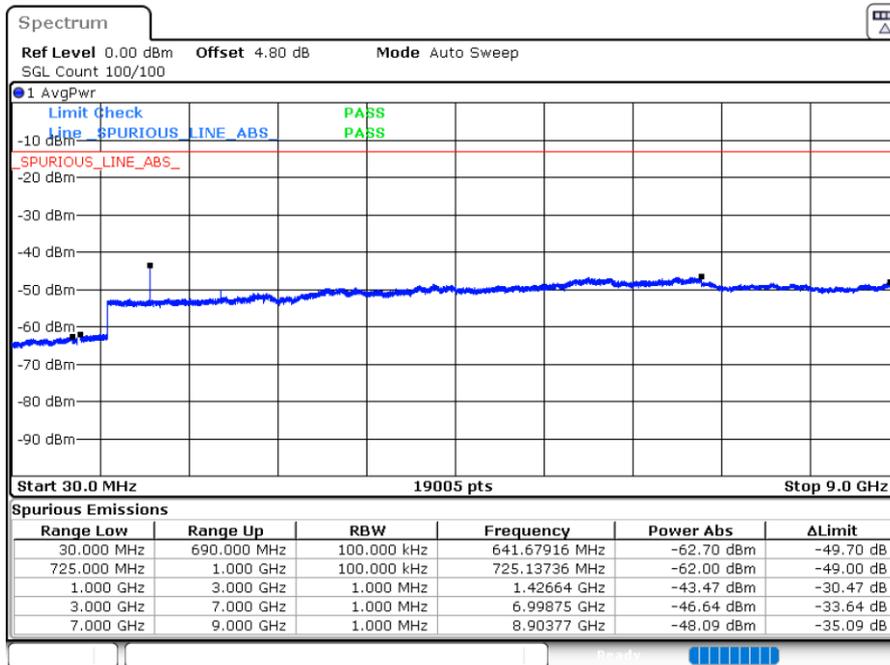


Date: 16.NOV.2024 13:07:18



Date: 16.NOV.2024 13:16:09

Highest Channel / QPSK



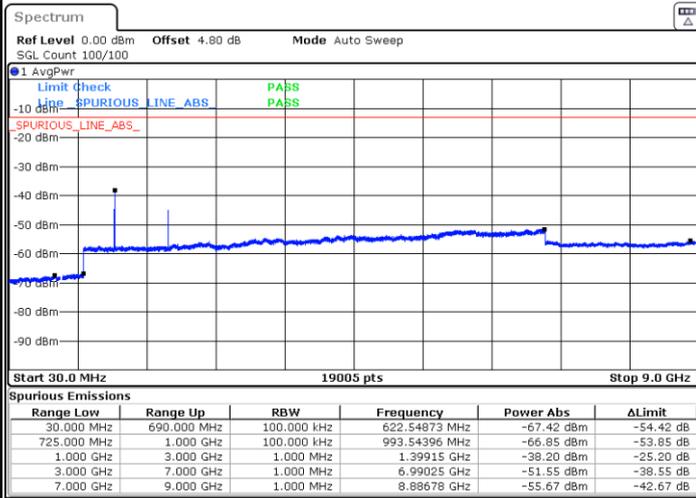
Date: 16.NOV.2024 13:17:29



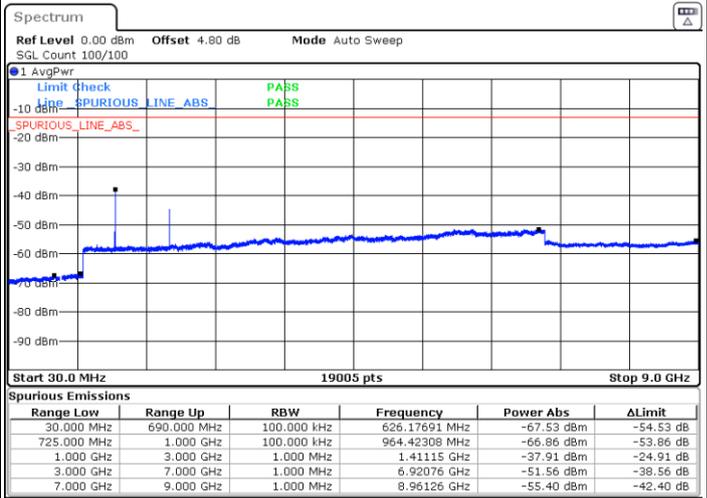
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

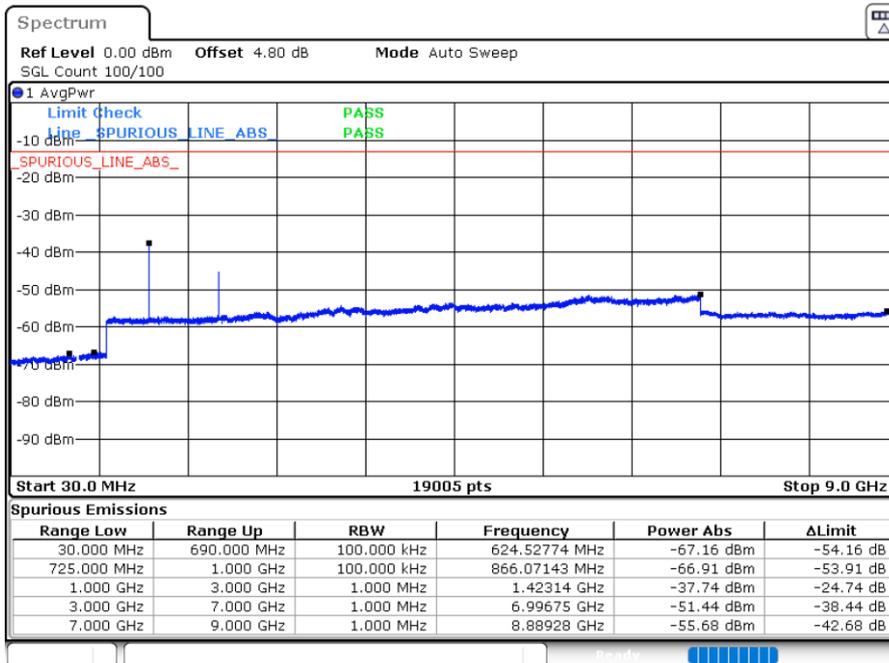


Date: 16.NOV.2024 13:26:23



Date: 16.NOV.2024 13:35:15

Highest Channel / QPSK



Date: 16.NOV.2024 13:36:36