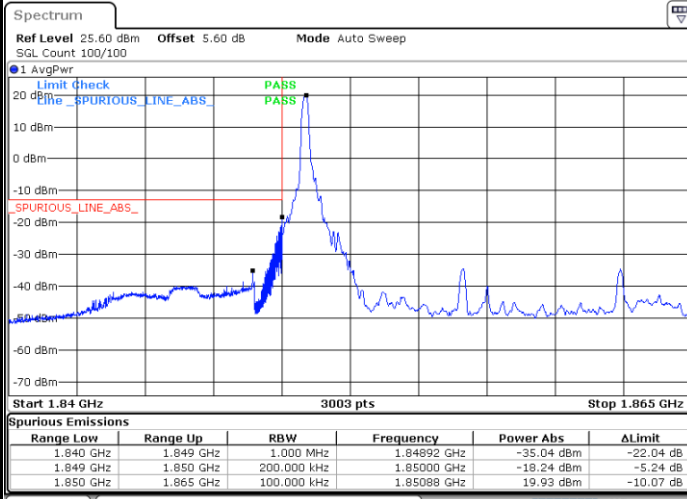




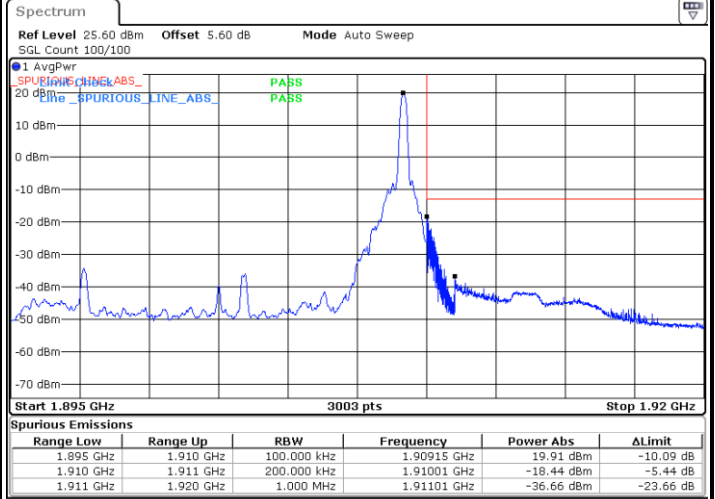
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



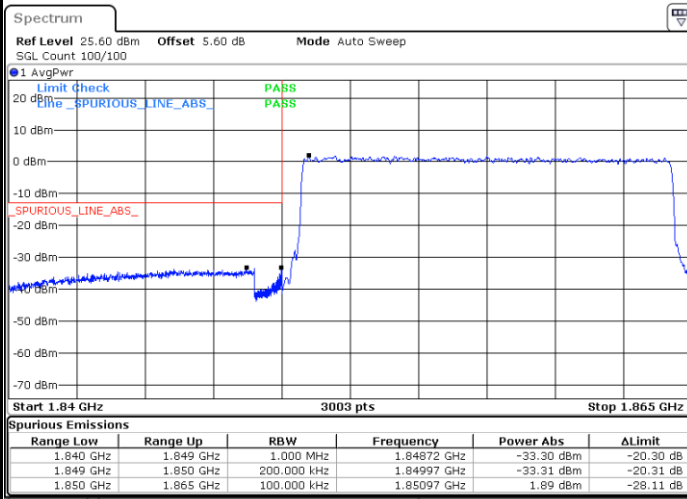
Date: 22.JUL.2024 04:10:55

Highest Band Edge / 1 RB



Date: 22.JUL.2024 04:24:07

Lowest Band Edge / Full RB



Date: 22.JUL.2024 04:16:02

Highest Band Edge / Full RB



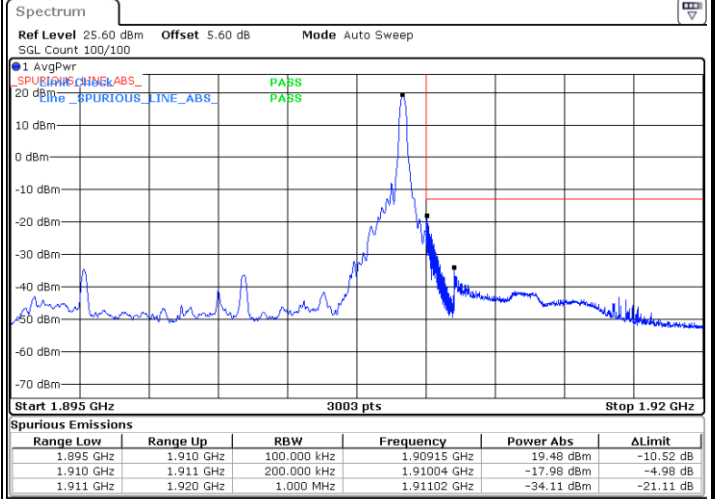
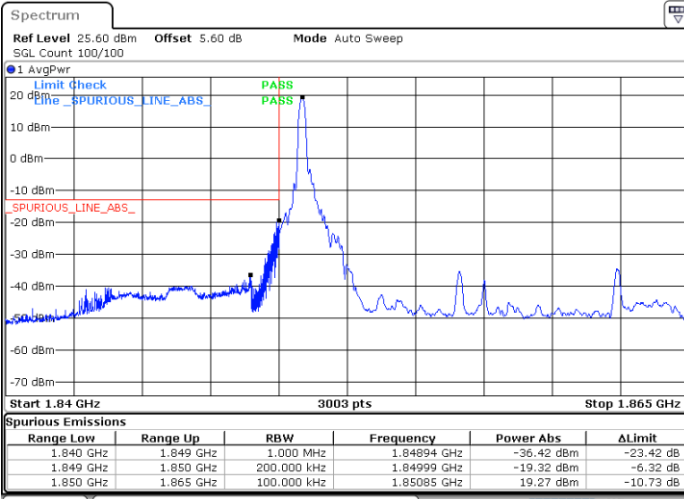
Date: 22.JUL.2024 04:27:54



LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

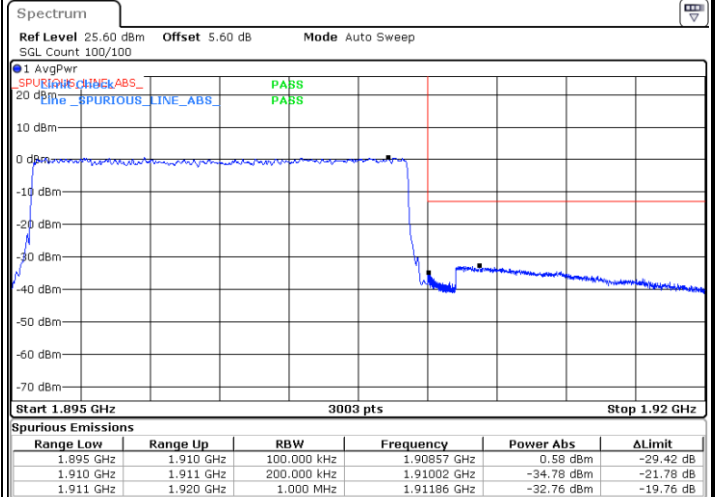
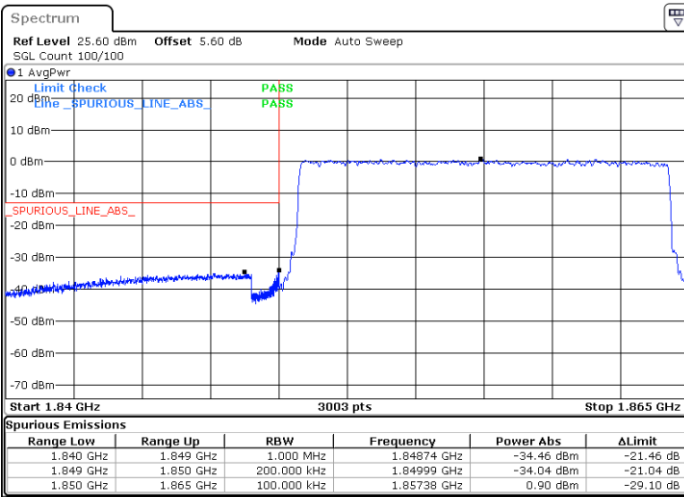


Date: 22.JUL.2024 04:11:54

Date: 22.JUL.2024 04:25:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



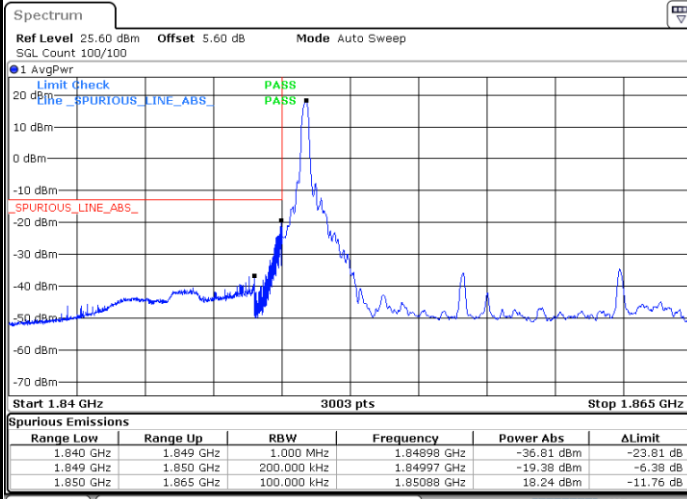
Date: 22.JUL.2024 04:16:57

Date: 22.JUL.2024 04:28:49



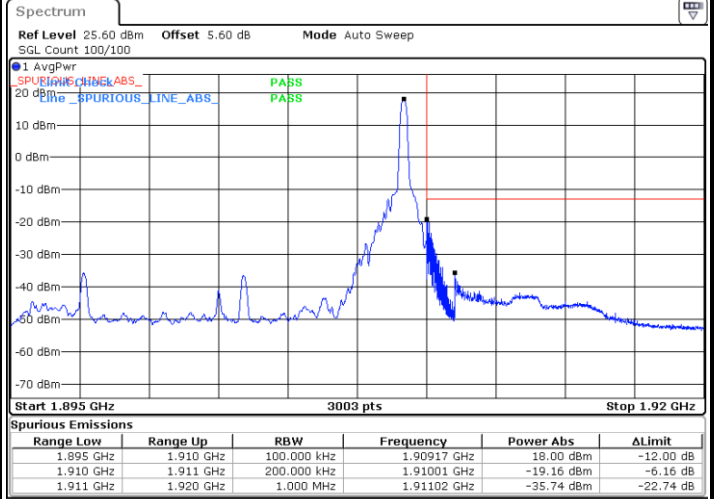
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



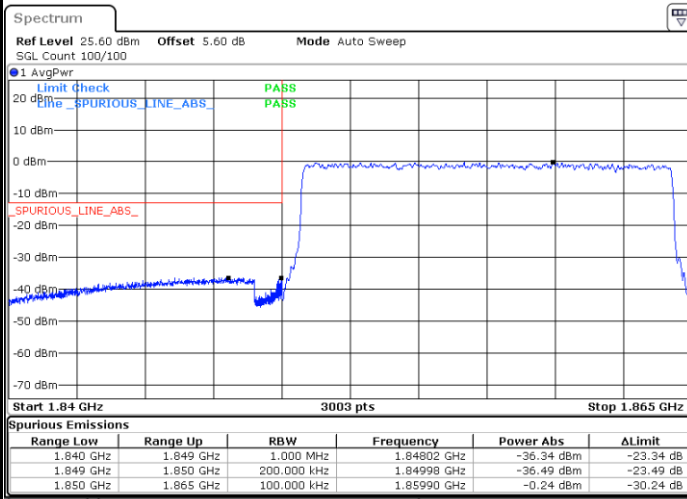
Date: 22.JUL.2024 04:12:50

Highest Band Edge / 1 RB



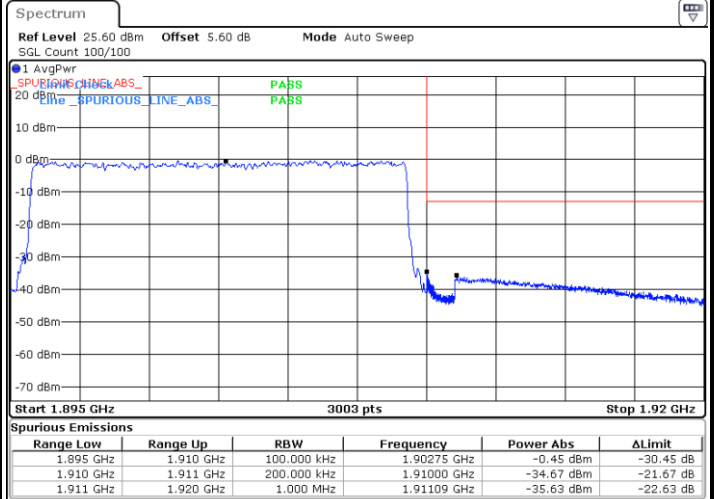
Date: 22.JUL.2024 04:26:02

Lowest Band Edge / Full RB



Date: 22.JUL.2024 04:17:53

Highest Band Edge / Full RB

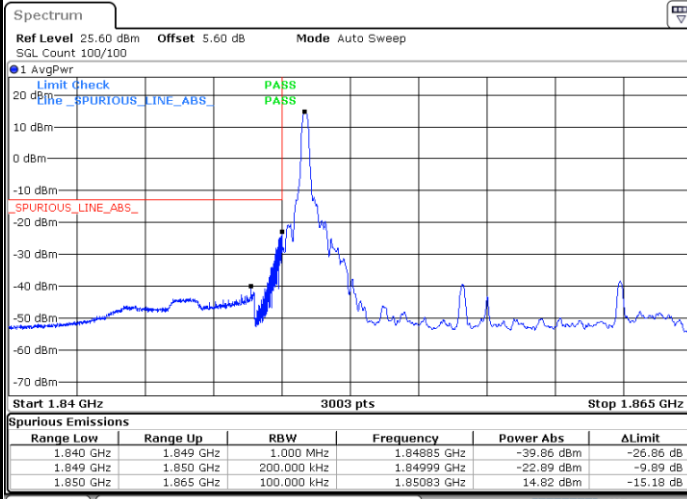


Date: 22.JUL.2024 04:29:45



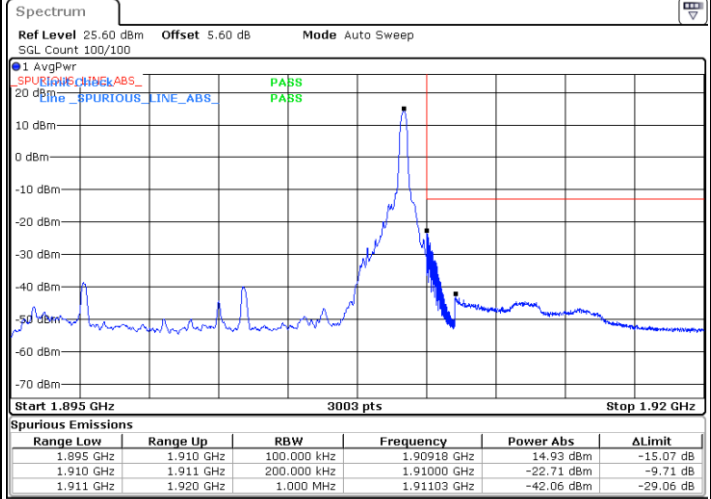
LTE Band 2 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



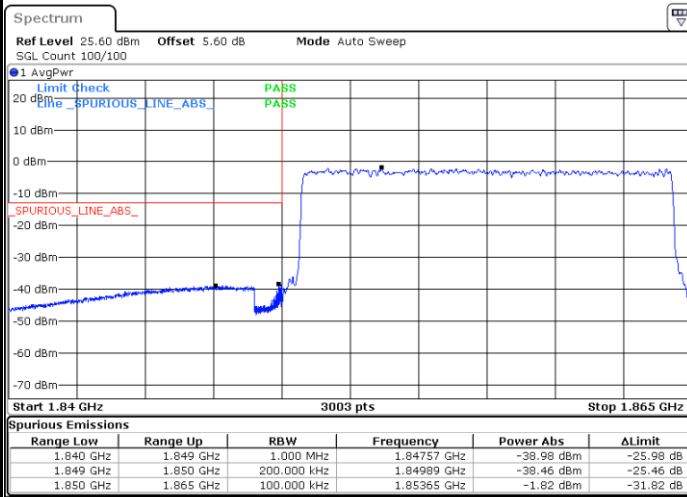
Date: 22.JUL.2024 04:13:46

Highest Band Edge / 1 RB



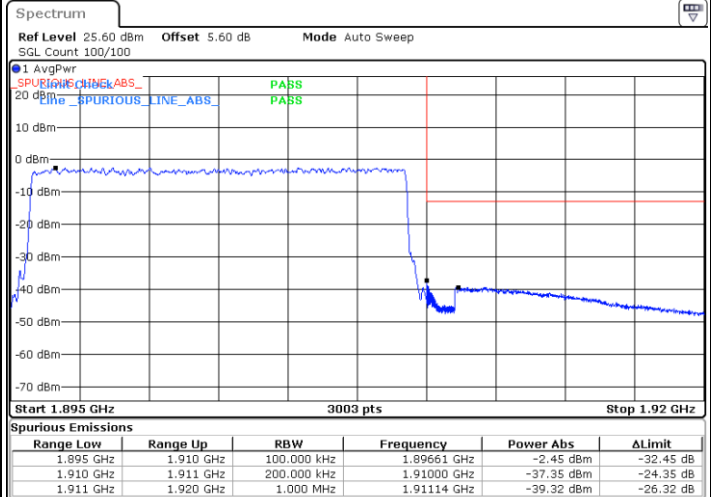
Date: 22.JUL.2024 04:26:58

Lowest Band Edge / Full RB



Date: 22.JUL.2024 04:18:49

Highest Band Edge / Full RB

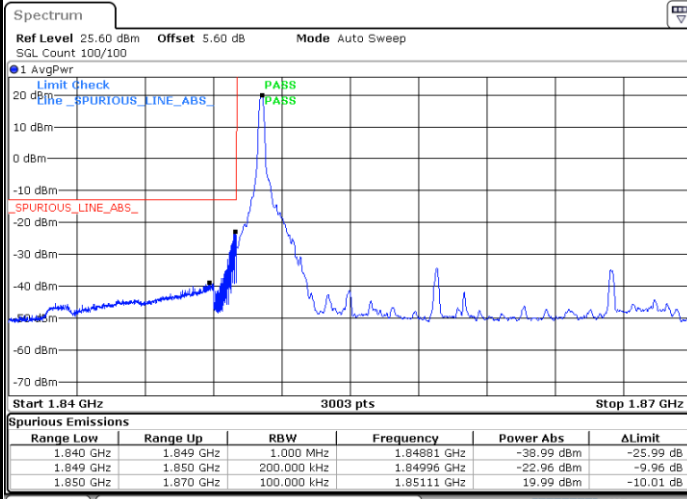


Date: 22.JUL.2024 04:30:41



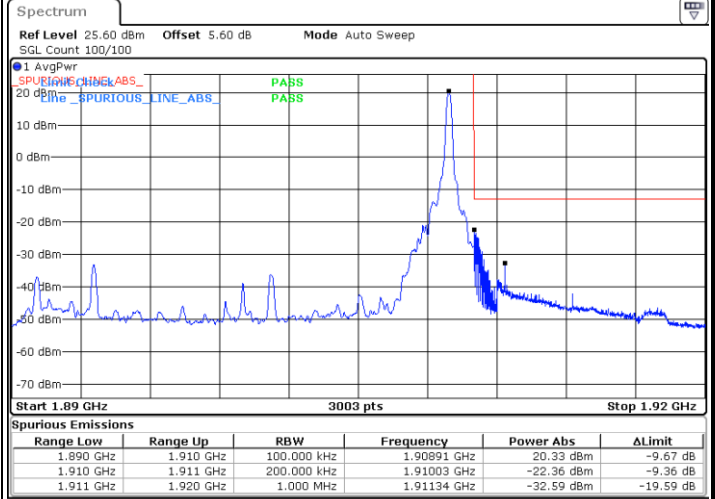
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



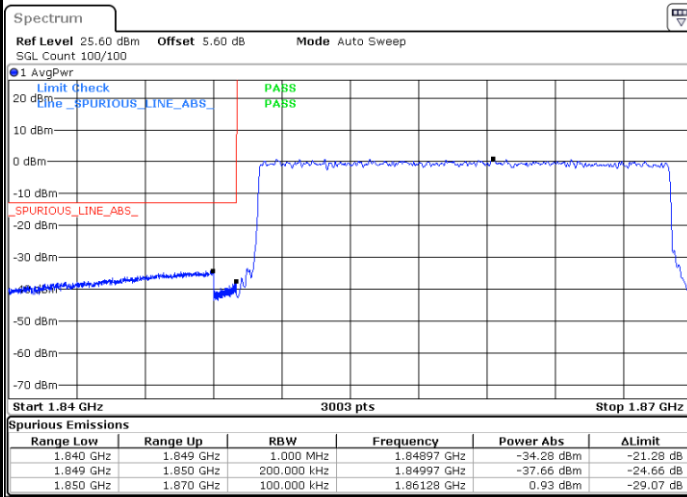
Date: 22.JUL.2024 04:34:16

Highest Band Edge / 1 RB



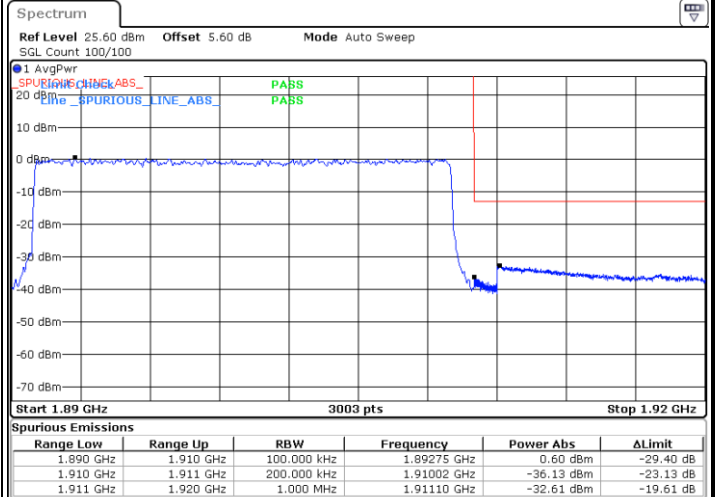
Date: 22.JUL.2024 04:44:55

Lowest Band Edge / Full RB



Date: 22.JUL.2024 04:38:03

Highest Band Edge / Full RB

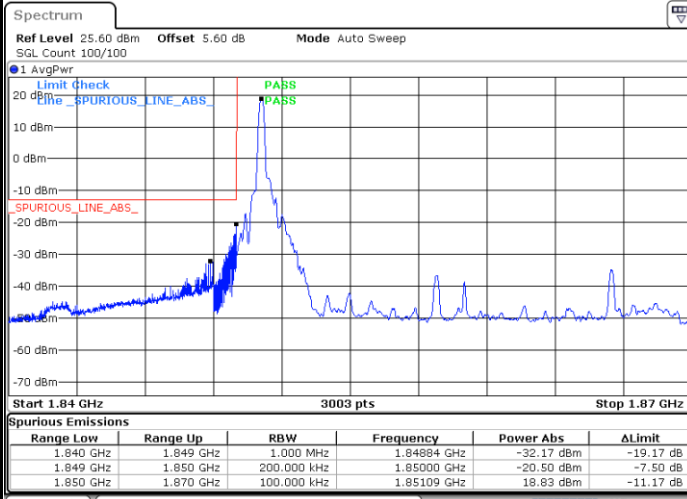


Date: 22.JUL.2024 04:49:29



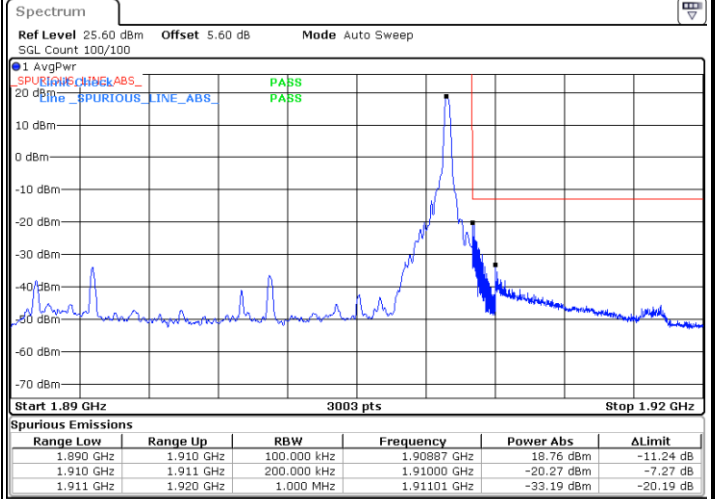
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



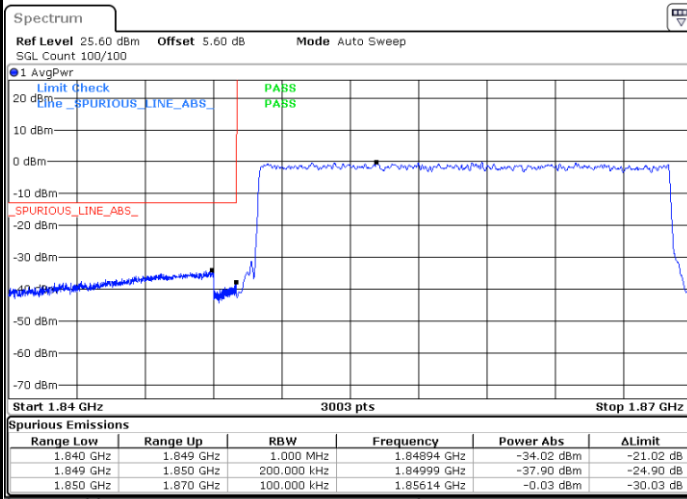
Date: 22.JUL.2024 04:35:16

Highest Band Edge / 1 RB



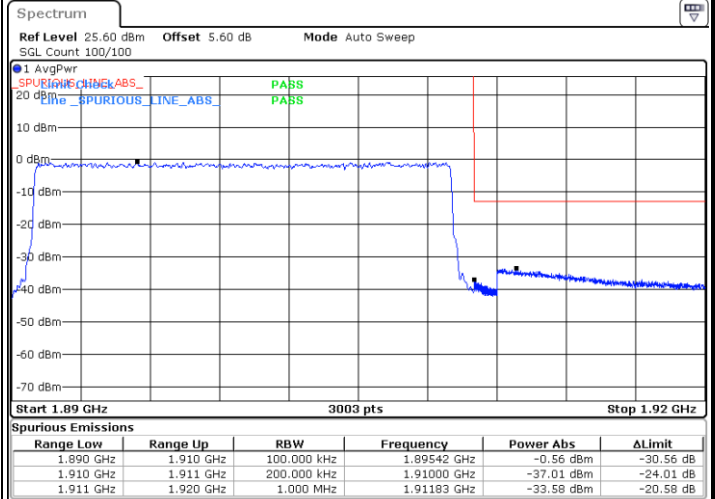
Date: 22.JUL.2024 04:46:42

Lowest Band Edge / Full RB



Date: 22.JUL.2024 04:38:59

Highest Band Edge / Full RB

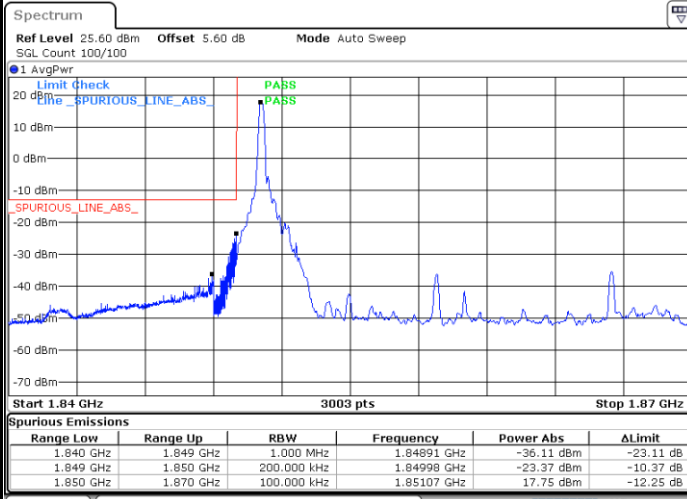


Date: 22.JUL.2024 04:50:25



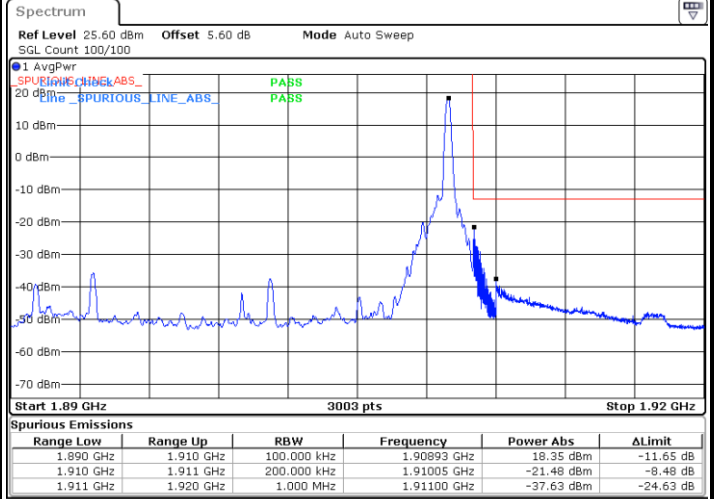
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



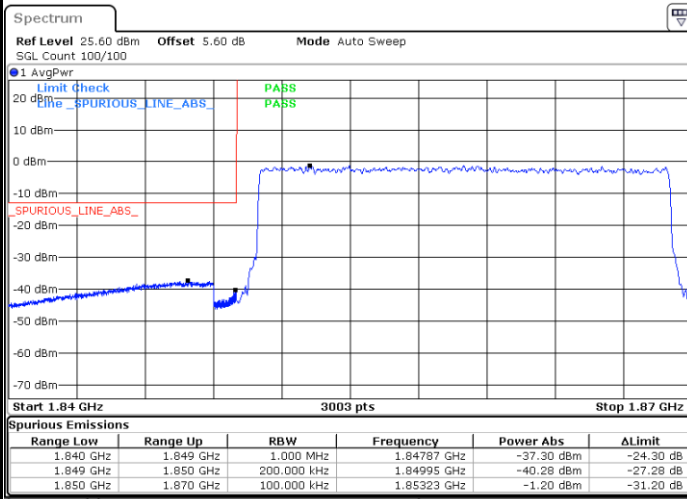
Date: 22.JUL.2024 04:36:11

Highest Band Edge / 1 RB



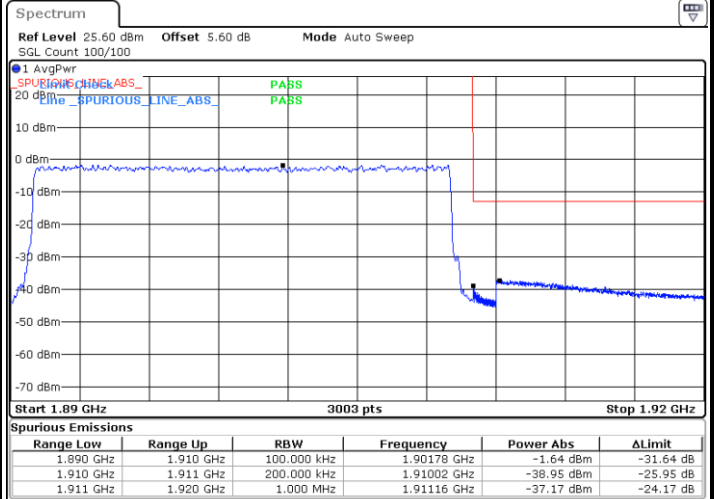
Date: 22.JUL.2024 04:47:37

Lowest Band Edge / Full RB



Date: 22.JUL.2024 04:39:55

Highest Band Edge / Full RB

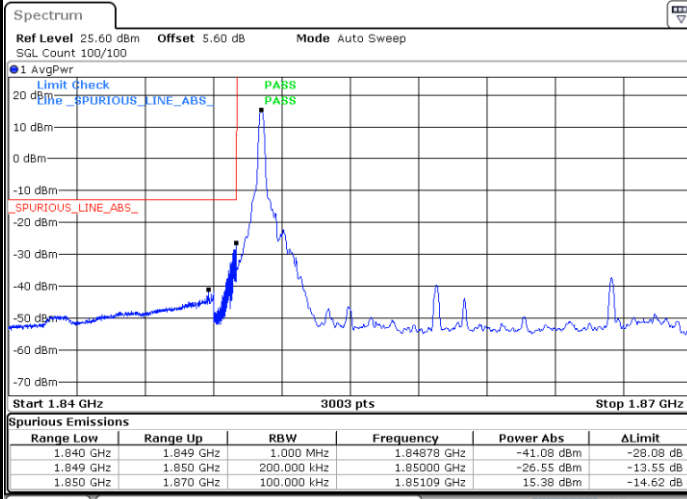


Date: 22.JUL.2024 04:51:21



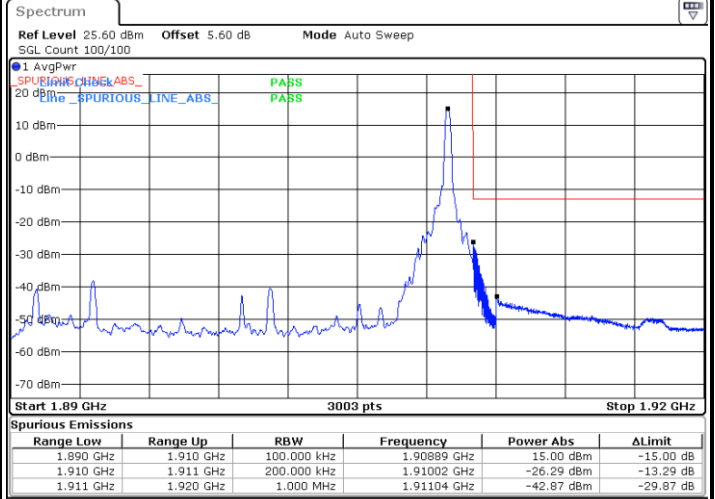
LTE Band 2 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



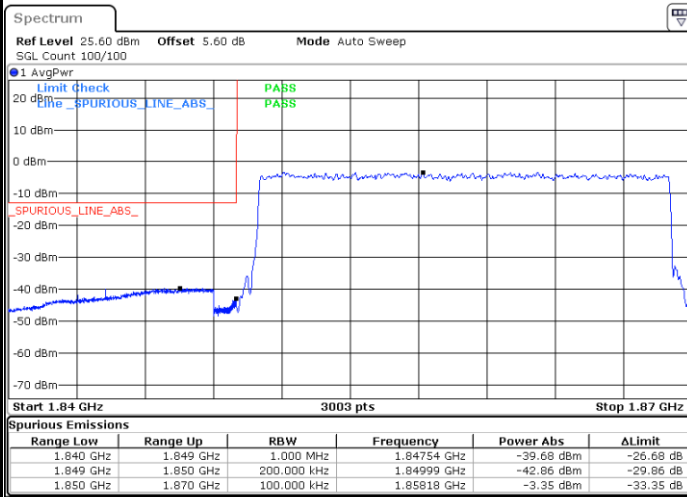
Date: 22.JUL.2024 04:37:07

Highest Band Edge / 1 RB



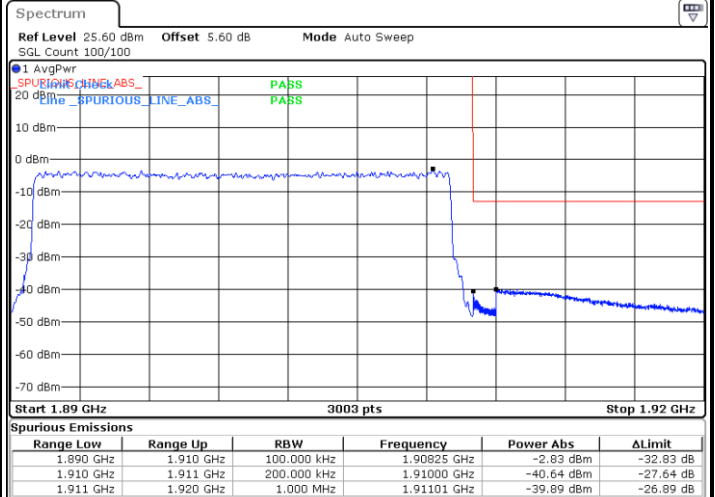
Date: 22.JUL.2024 04:48:33

Lowest Band Edge / Full RB



Date: 22.JUL.2024 04:40:51

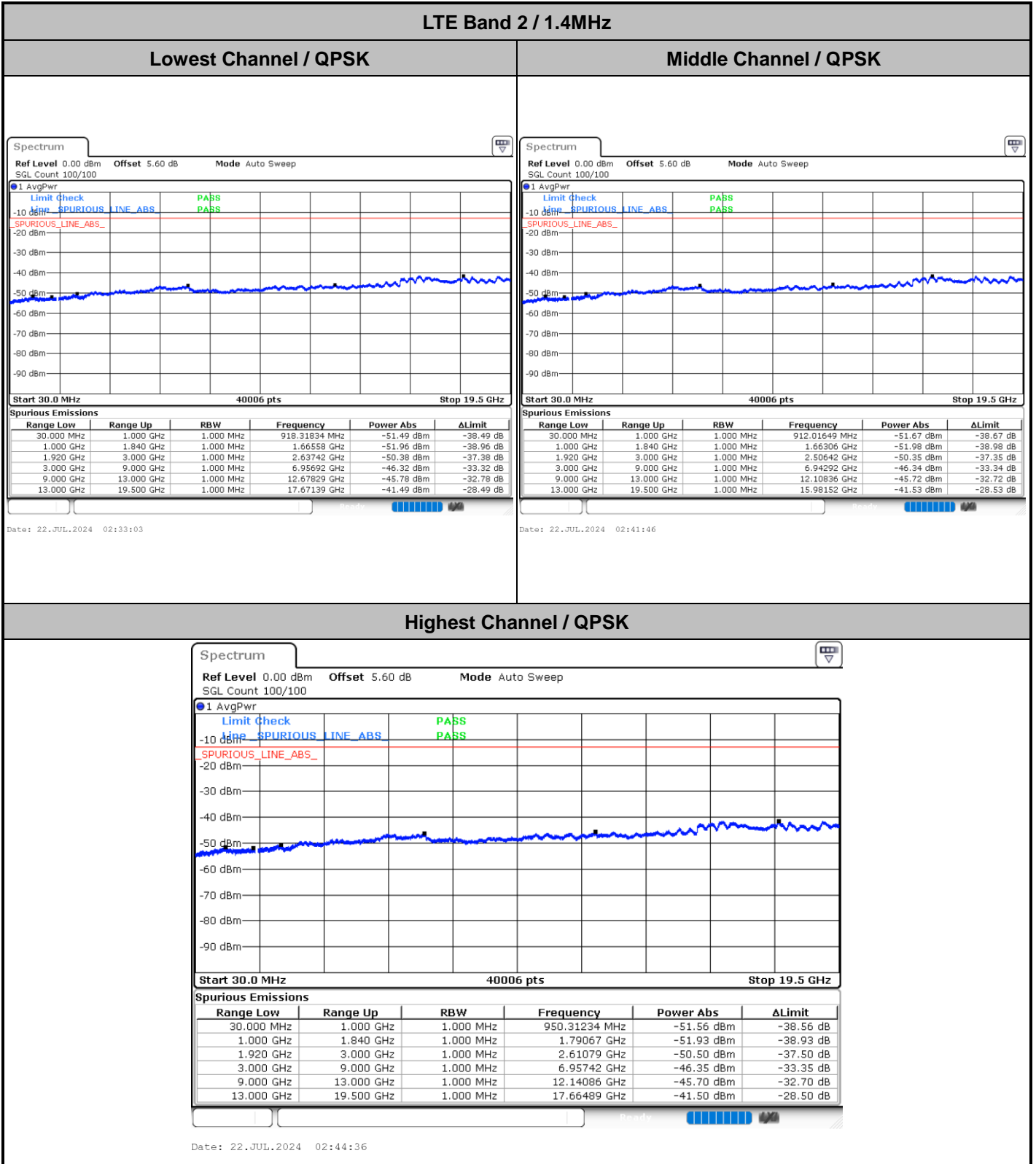
Highest Band Edge / Full RB



Date: 22.JUL.2024 04:52:16



Conducted Spurious Emission

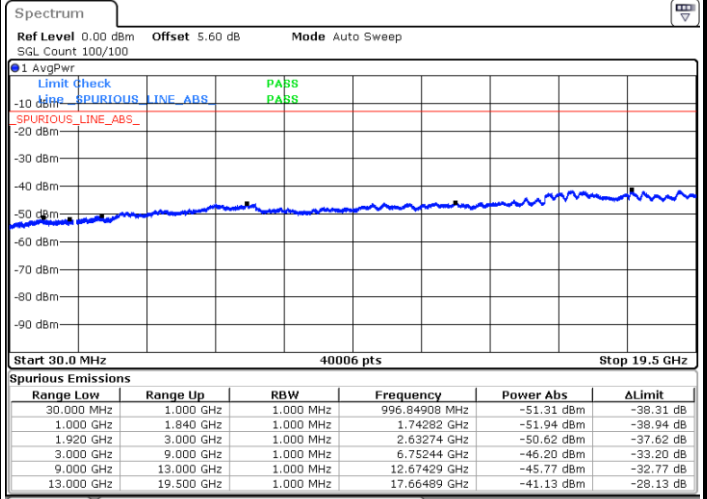
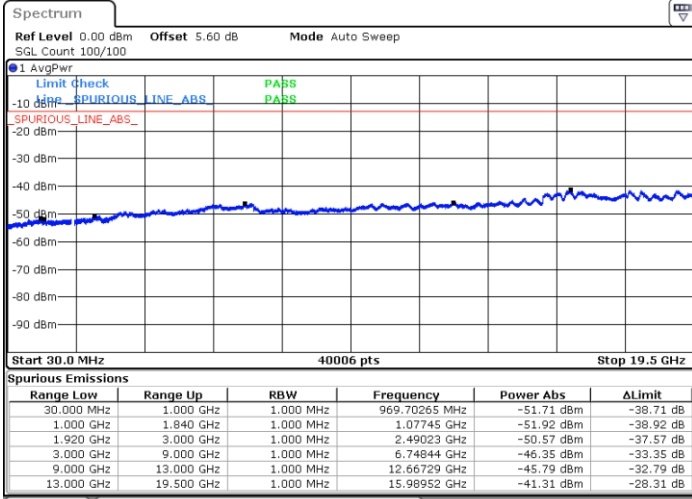




LTE Band 2 / 3MHz

Lowest Channel / QPSK

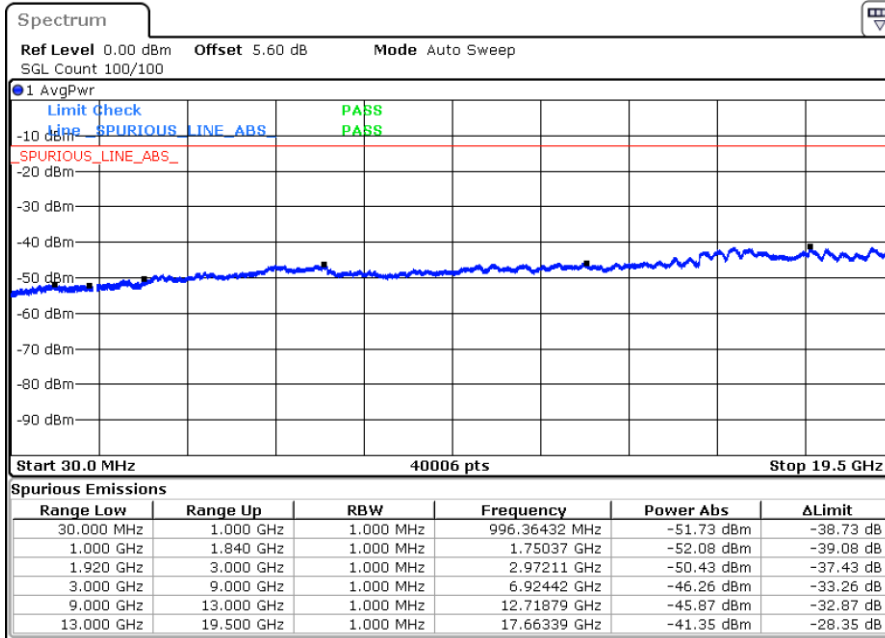
Middle Channel / QPSK



Date: 22_JUL_2024 02:54:26

Date: 22_JUL_2024 03:03:15

Highest Channel / QPSK



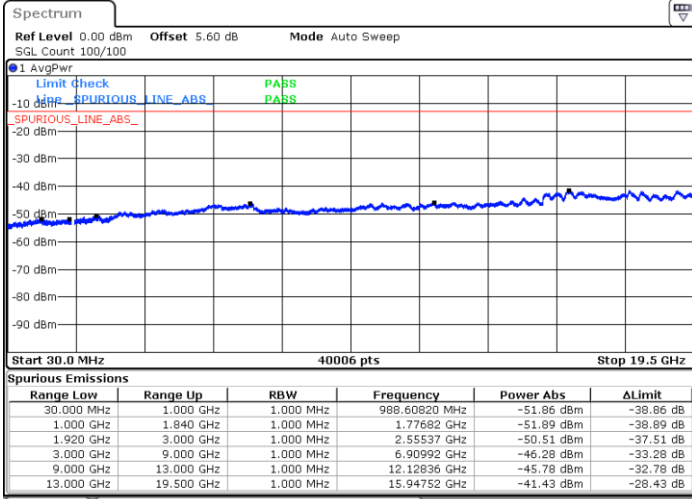
Date: 22_JUL_2024 03:06:04



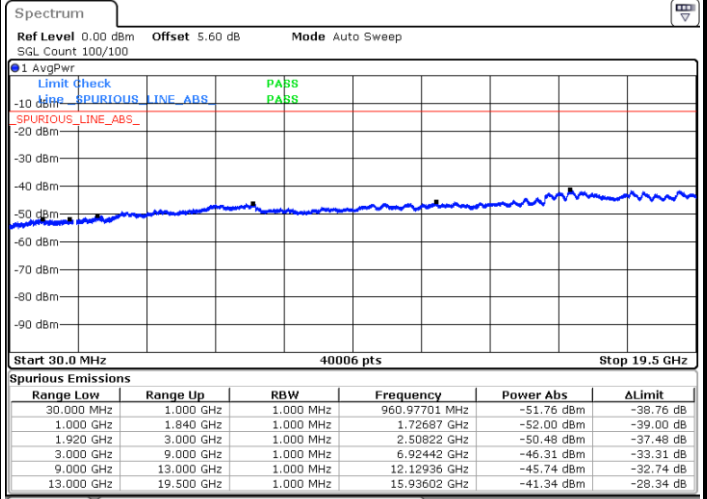
LTE Band 2 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

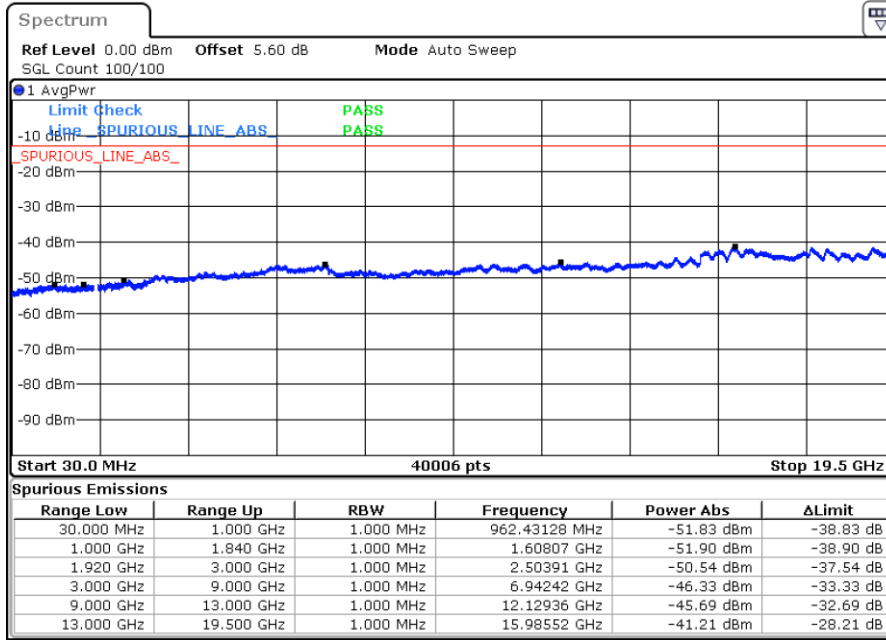


Date: 22_JUL_2024 03:26:07



Date: 22_JUL_2024 03:34:55

Highest Channel / QPSK



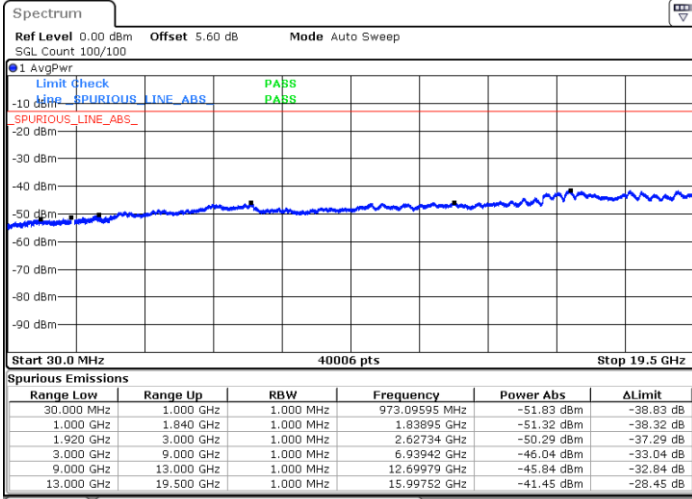
Date: 22_JUL_2024 03:37:45



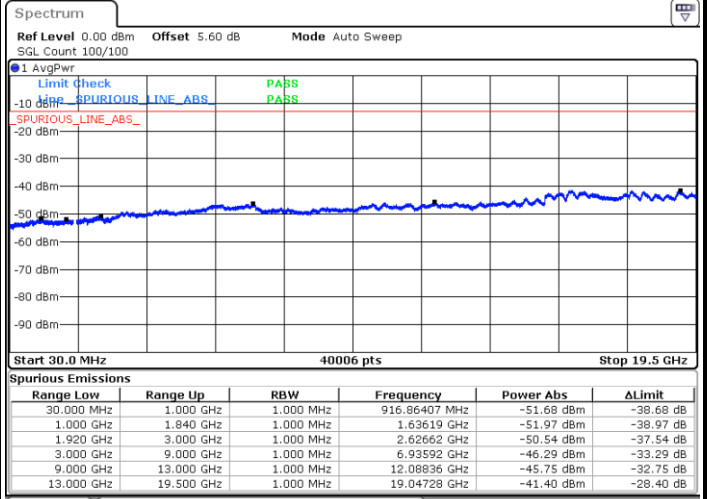
LTE Band 2 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

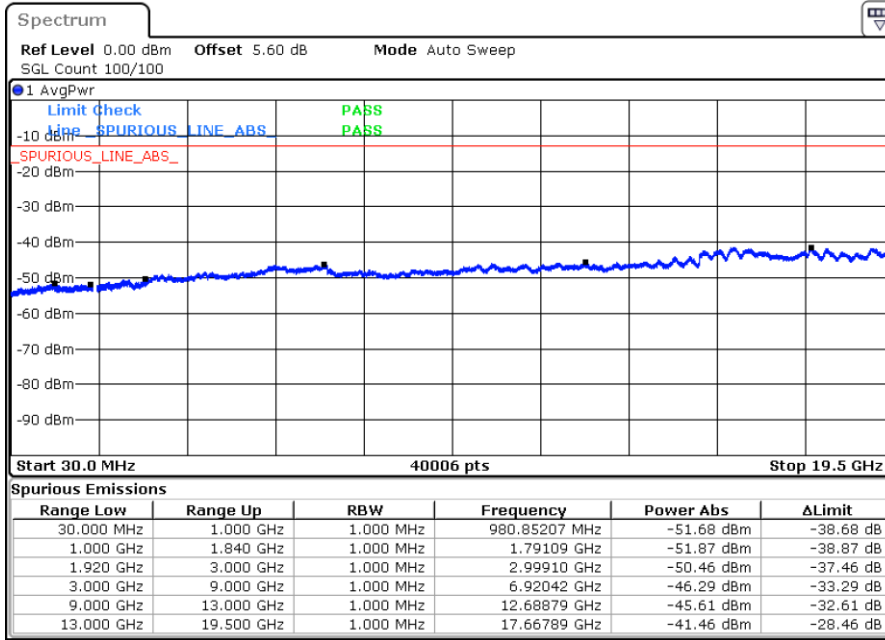


Date: 22.JUL.2024 03:47:39



Date: 22.JUL.2024 03:56:27

Highest Channel / QPSK



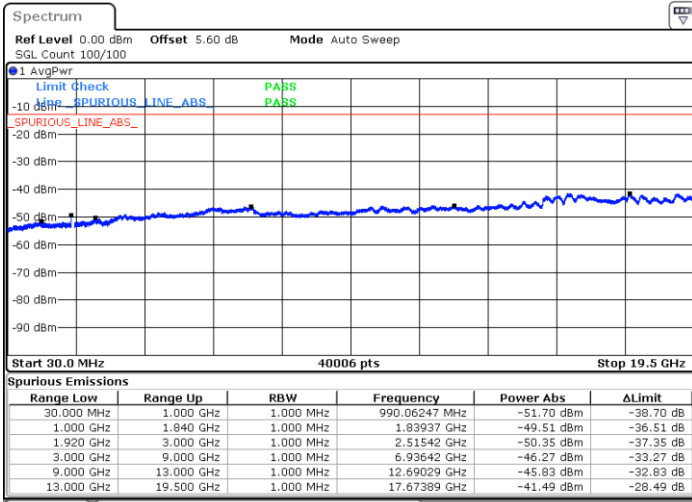
Date: 22.JUL.2024 03:59:17



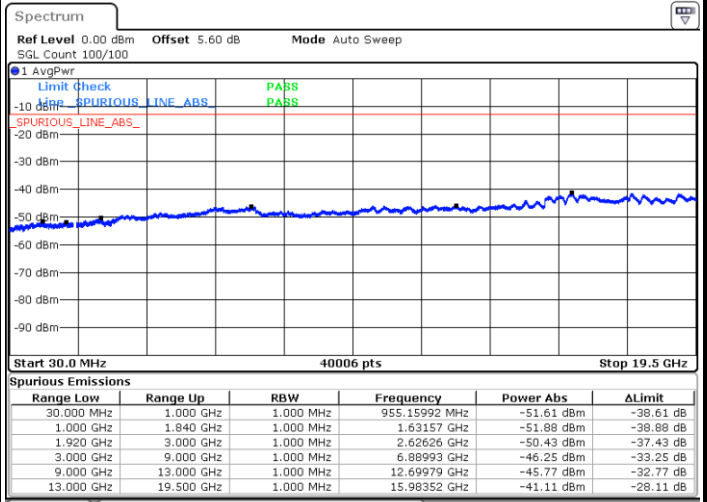
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

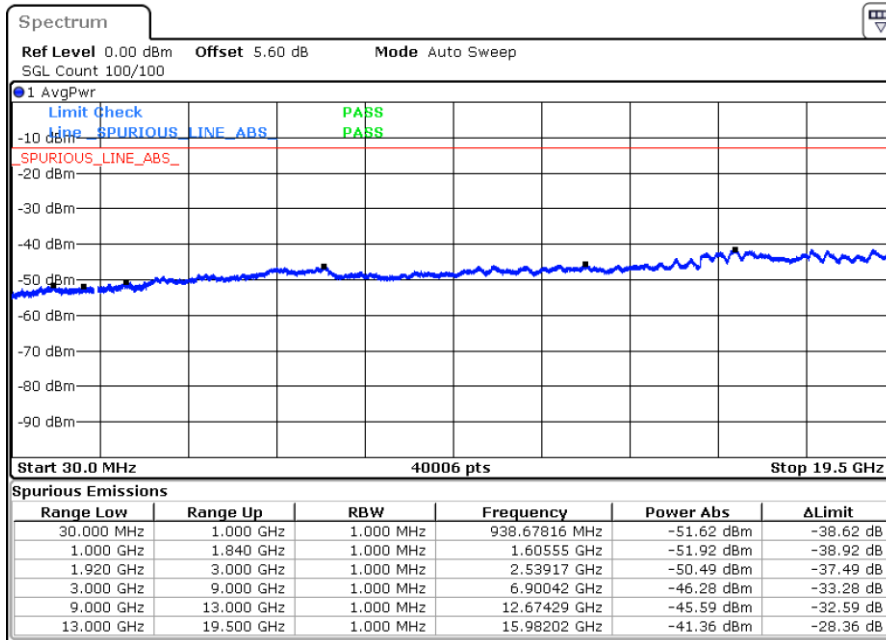


Date: 22.JUL.2024 04:10:11



Date: 22.JUL.2024 04:20:18

Highest Channel / QPSK



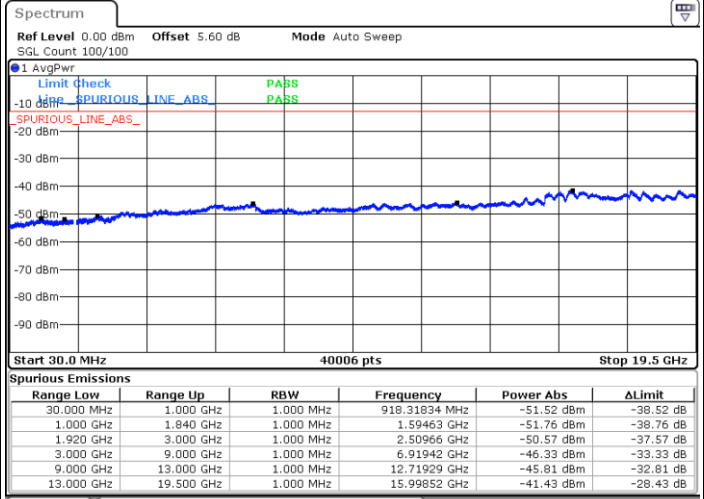
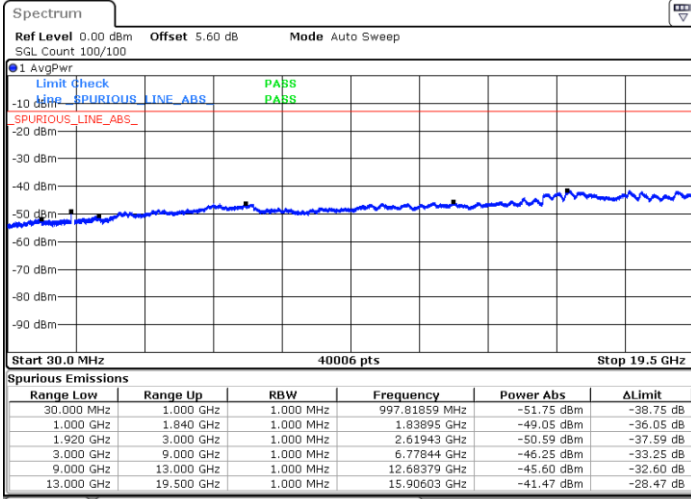
Date: 22.JUL.2024 04:23:07



LTE Band 2 / 20MHz

Lowest Channel / QPSK

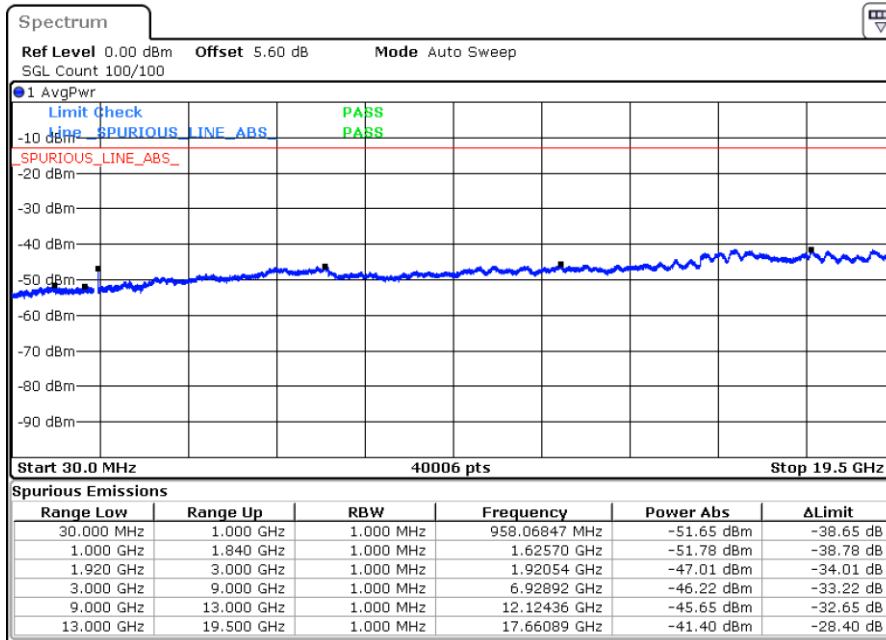
Middle Channel / QPSK



Date: 22_JUL_2024 04:33:33

Date: 22_JUL_2024 04:42:21

Highest Channel / QPSK



Date: 22_JUL_2024 04:43:51



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	0.0018	PASS
40	Normal Voltage	0.0059	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0078	
0	Normal Voltage	0.0062	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0047	
20	Battery End Point	0.0055	

Note:

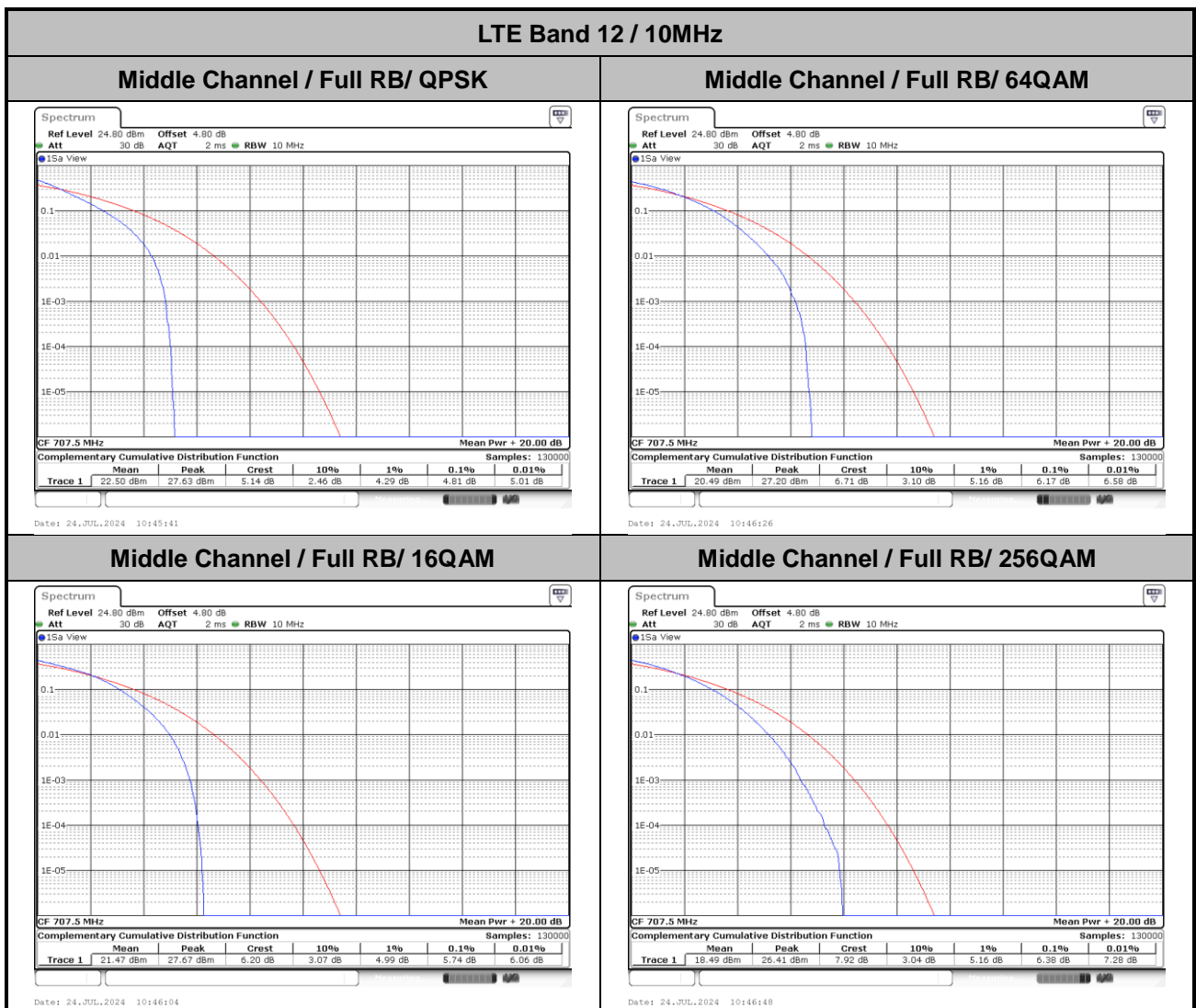
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage = 4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

Peak-to-Average Ratio

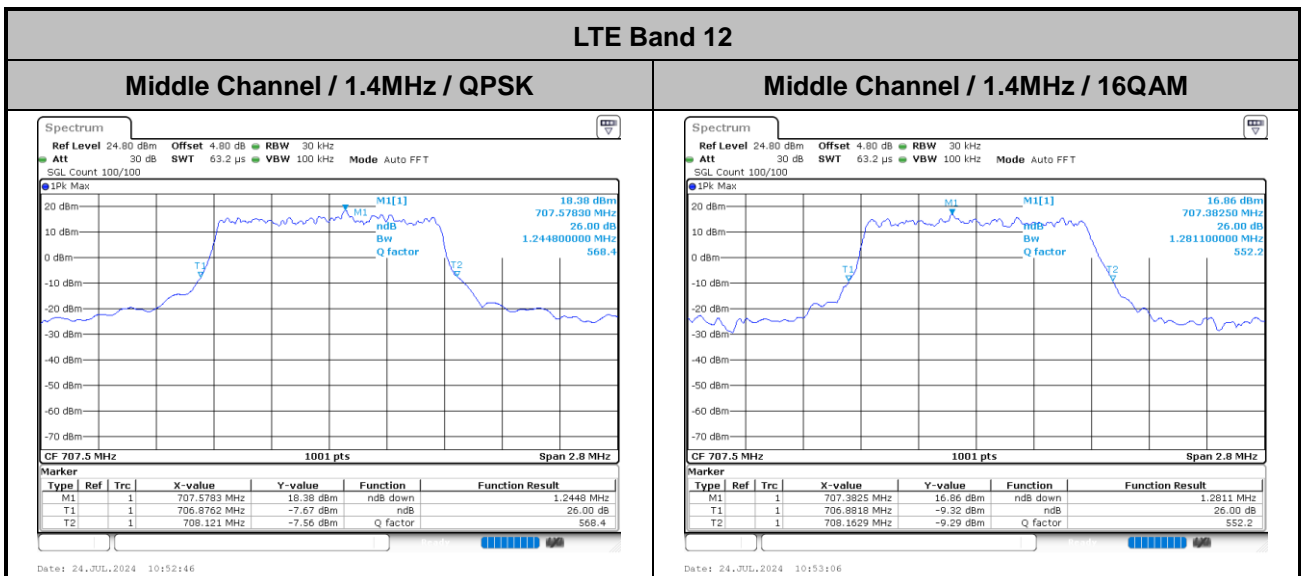
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.81	5.74	6.17	6.38	PASS





26dB Bandwidth

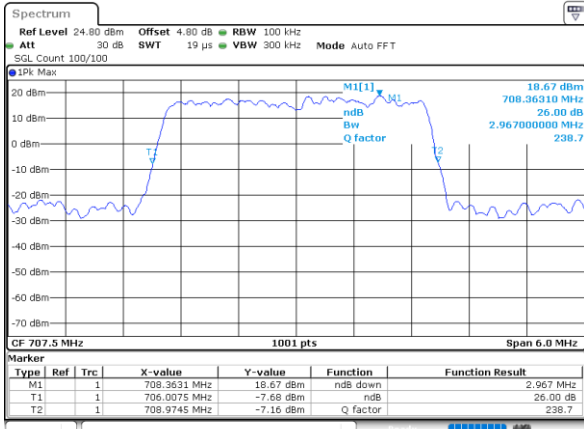
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.24	1.28
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.97	3.00
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.90	4.90
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.75	9.81





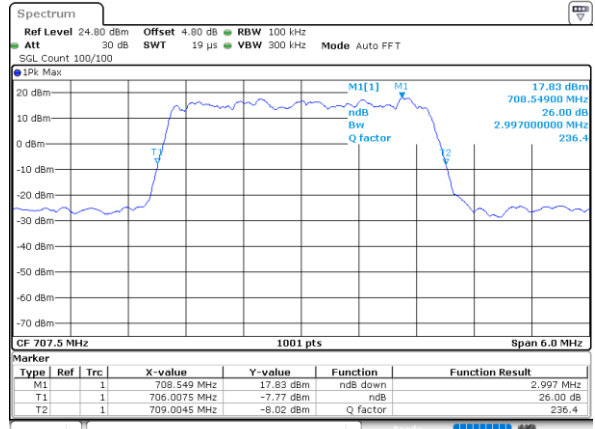
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 24_JUL_2024 10:51:23

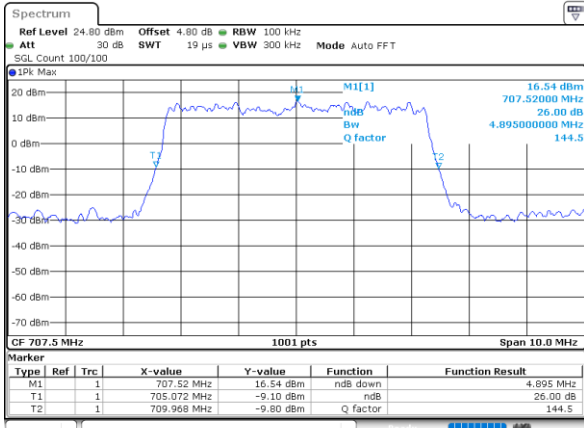
Middle Channel / 3MHz / 16QAM



Date: 24_JUL_2024 10:51:41

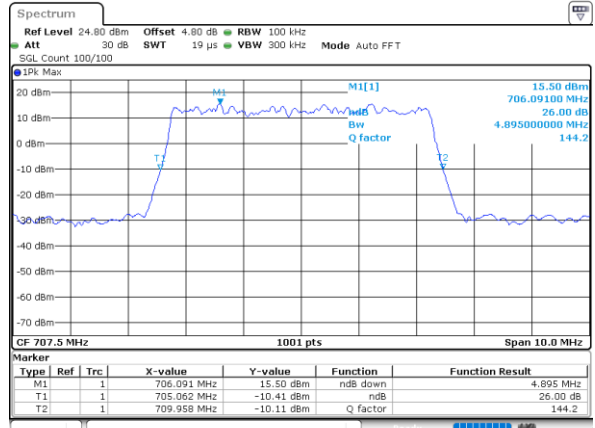
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 24_JUL_2024 10:49:55

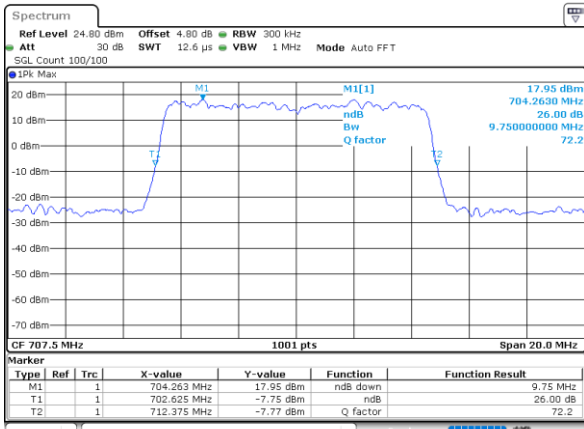
Middle Channel / 5MHz / 16QAM



Date: 24_JUL_2024 10:50:16

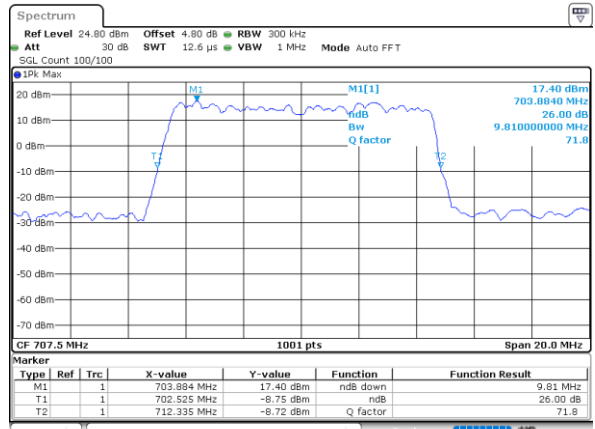
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 24_JUL_2024 10:48:51

Middle Channel / 10MHz / 16QAM

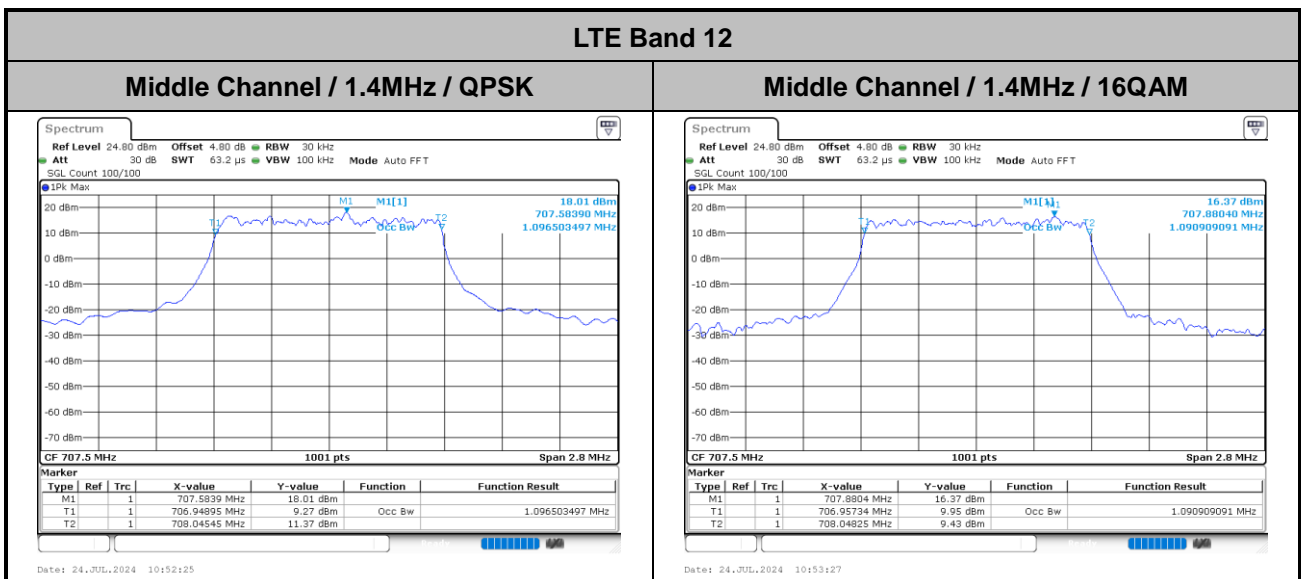


Date: 24_JUL_2024 10:49:12



Occupied Bandwidth

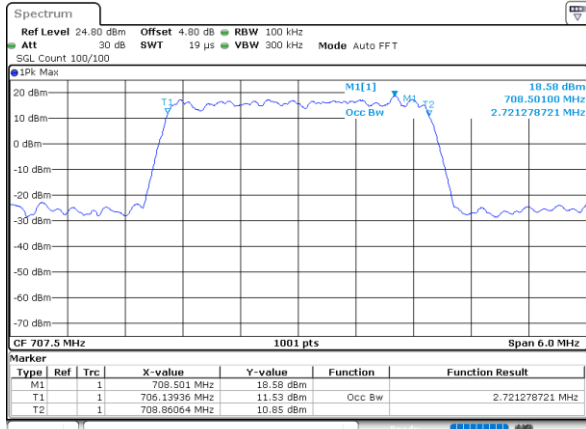
Mode	LTE Band 12 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.72
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.03





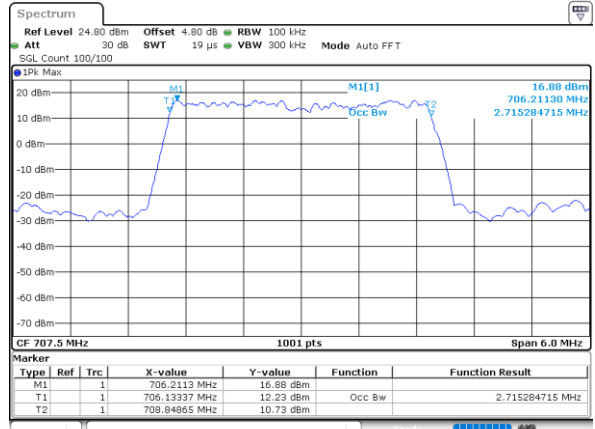
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 24_JUL_2024 10:51:00

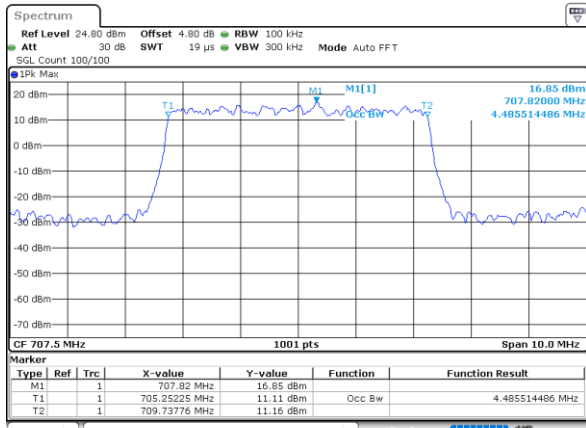
Middle Channel / 3MHz / 16QAM



Date: 24_JUL_2024 10:52:02

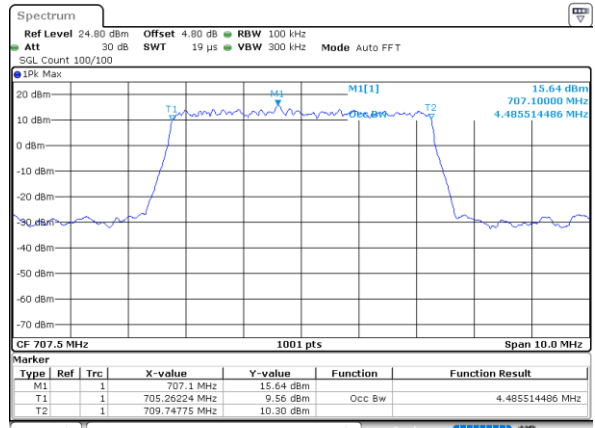
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 24_JUL_2024 10:49:34

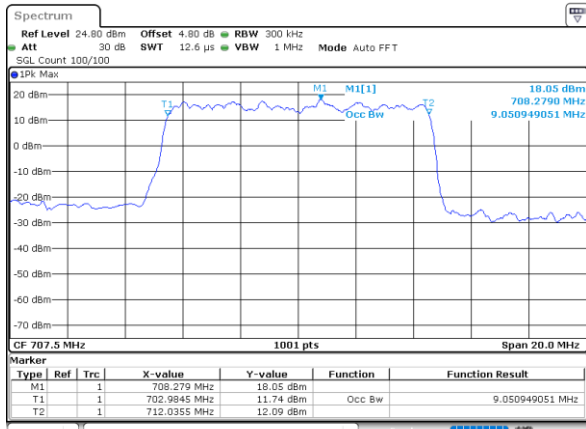
Middle Channel / 5MHz / 16QAM



Date: 24_JUL_2024 10:50:37

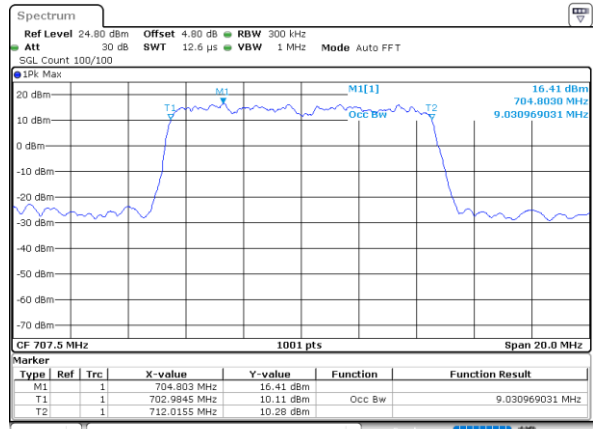
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 24_JUL_2024 10:48:09

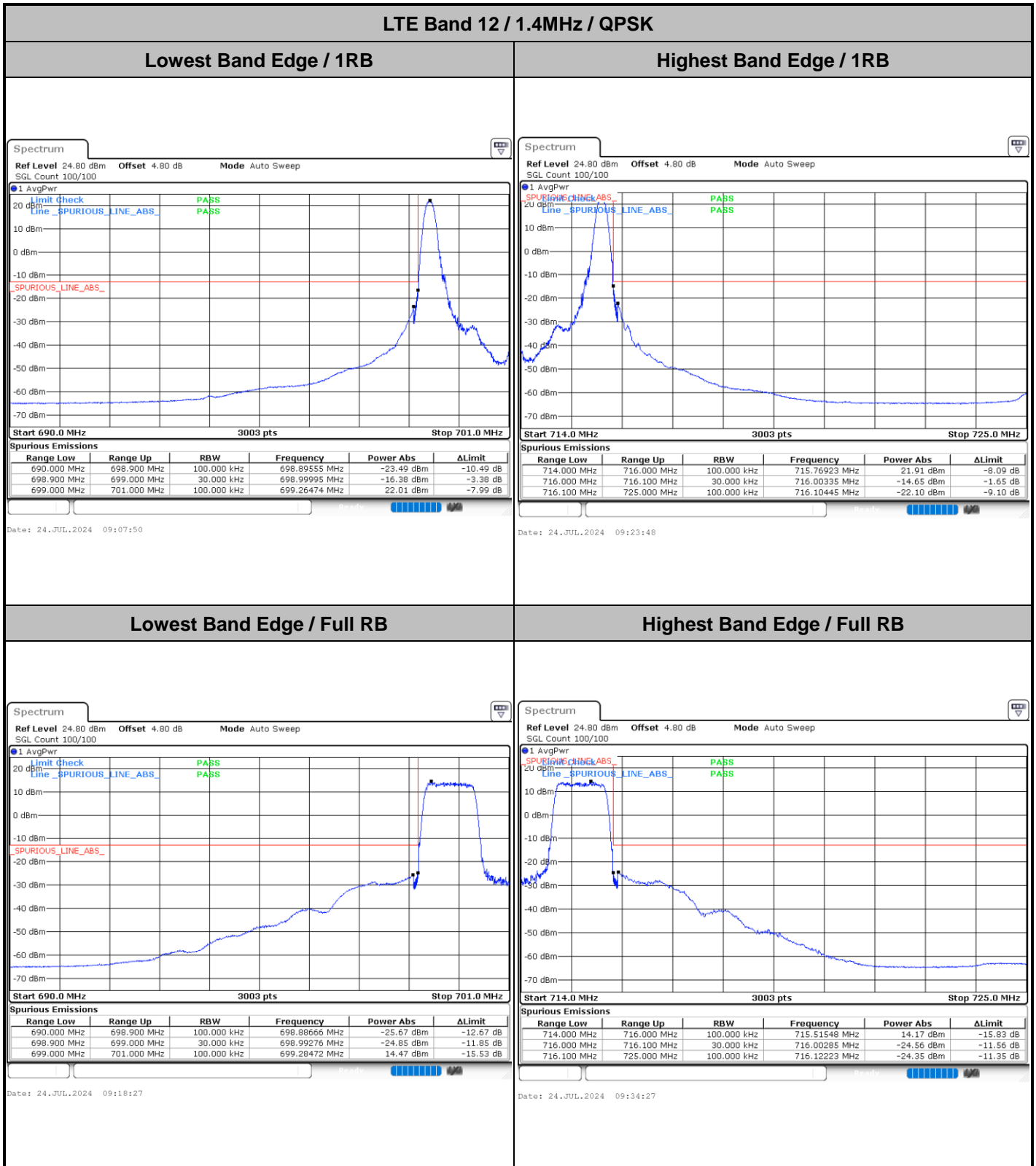
Middle Channel / 10MHz / 16QAM



Date: 24_JUL_2024 10:48:30



Conducted Band Edge

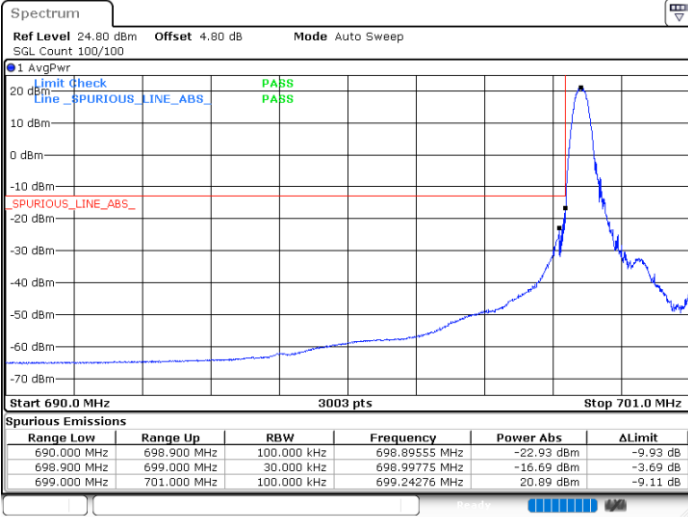




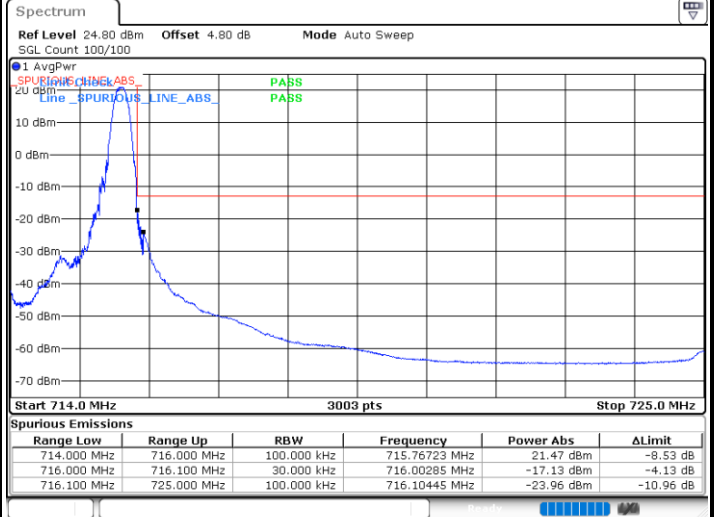
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



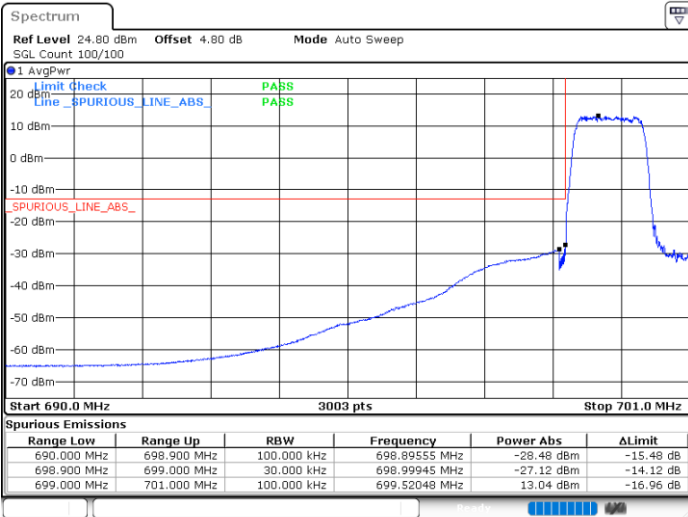
Date: 24.JUL.2024 09:09:20



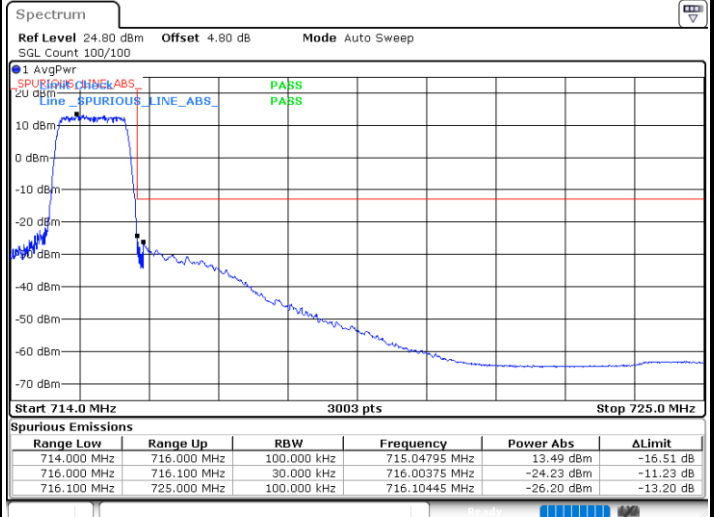
Date: 24.JUL.2024 09:26:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.JUL.2024 09:17:17

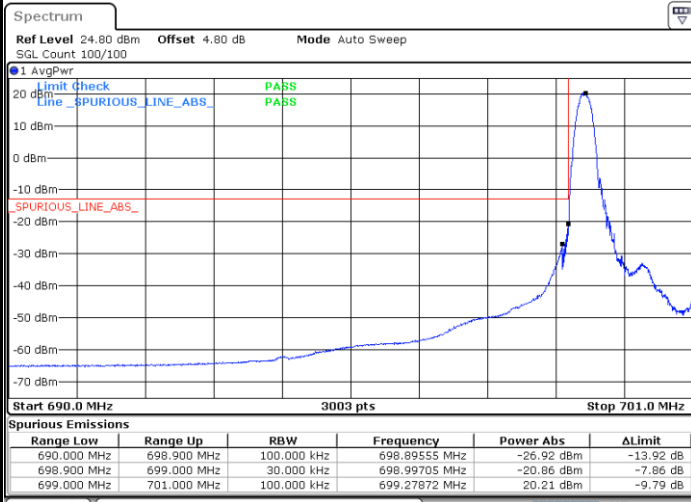


Date: 24.JUL.2024 09:33:22



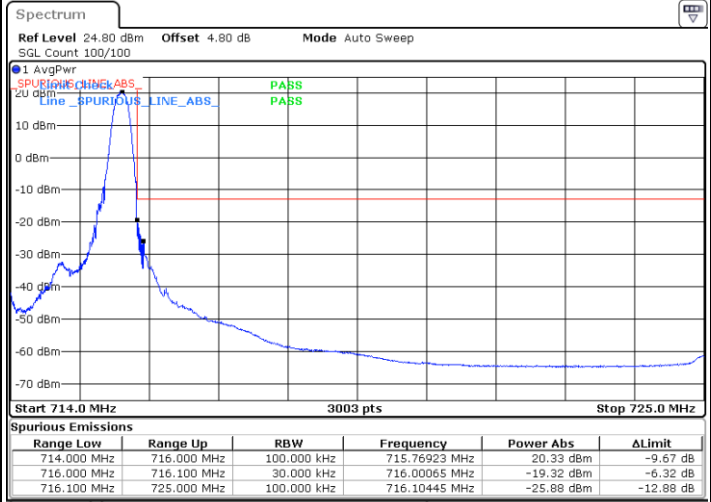
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



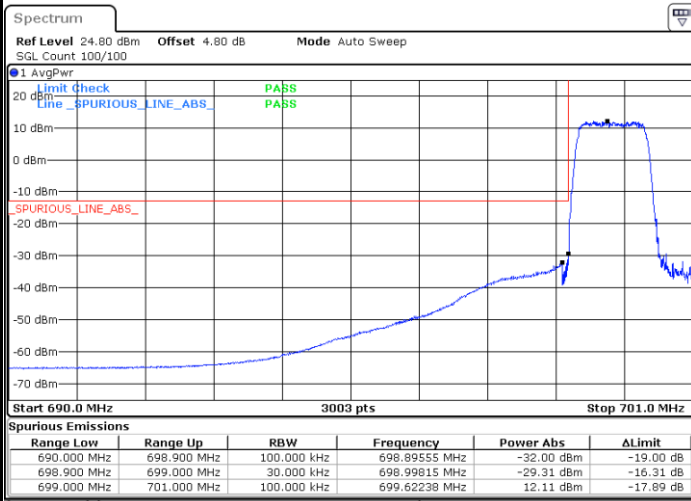
Date: 24.JUL.2024 09:10:50

Highest Band Edge / 1 RB



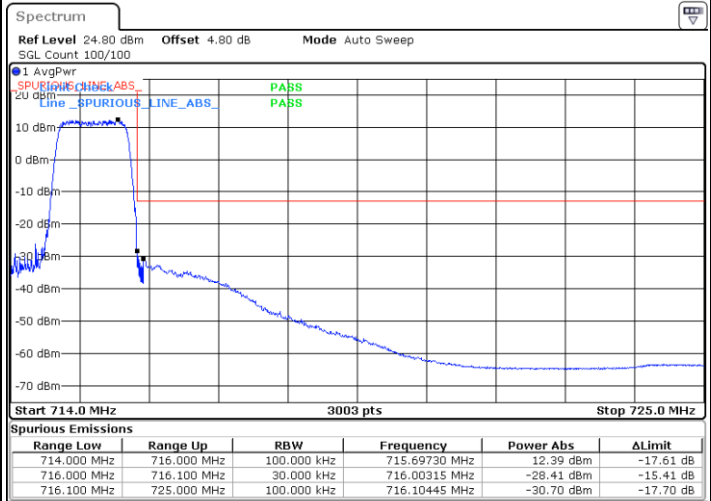
Date: 24.JUL.2024 09:28:03

Lowest Band Edge / Full RB



Date: 24.JUL.2024 09:16:07

Highest Band Edge / Full RB

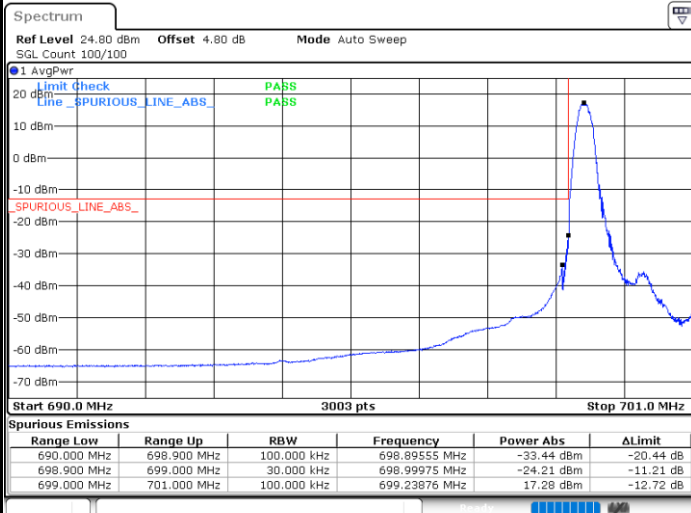


Date: 24.JUL.2024 09:32:17



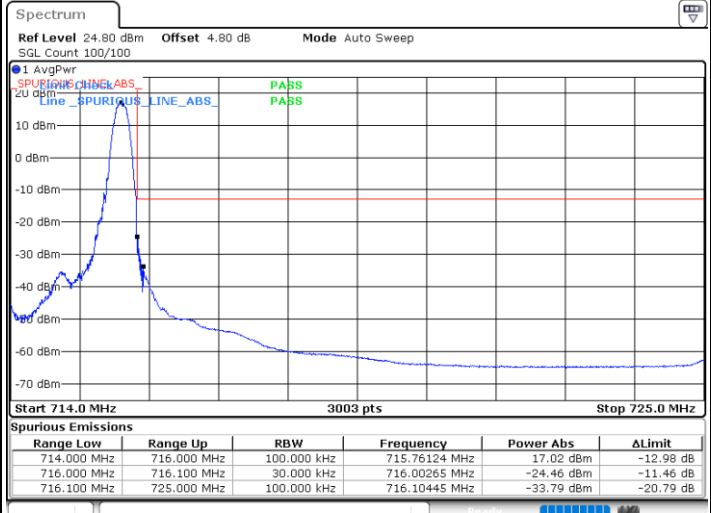
LTE Band 12 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



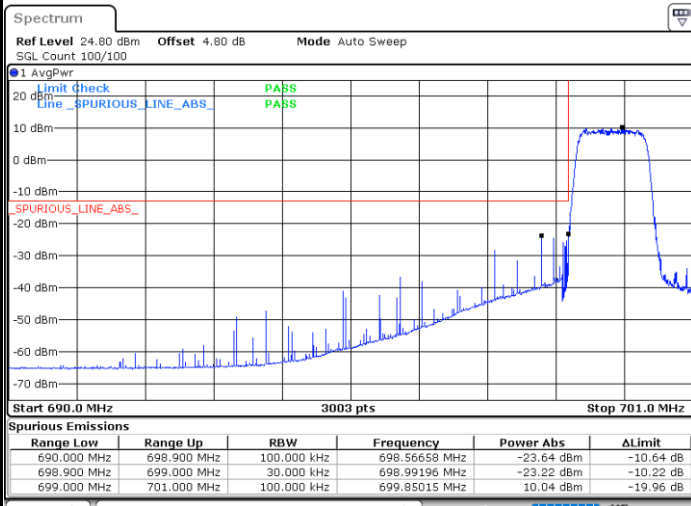
Date: 24.JUL.2024 09:12:20

Highest Band Edge / 1 RB



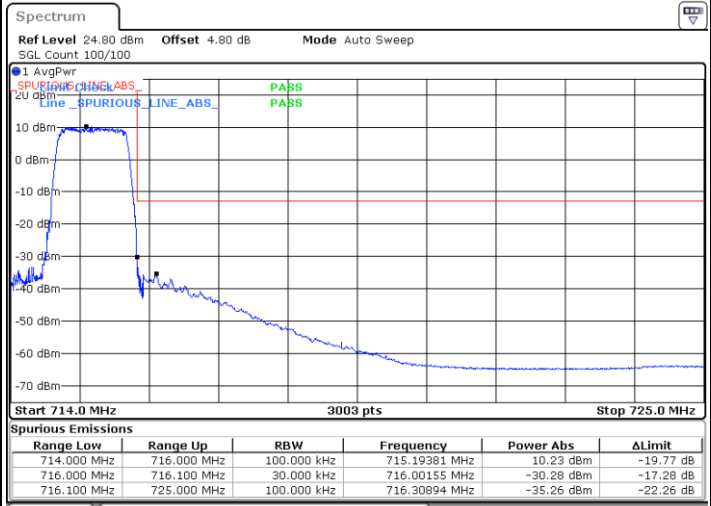
Date: 24.JUL.2024 09:29:08

Lowest Band Edge / Full RB



Date: 24.JUL.2024 09:14:51

Highest Band Edge / Full RB

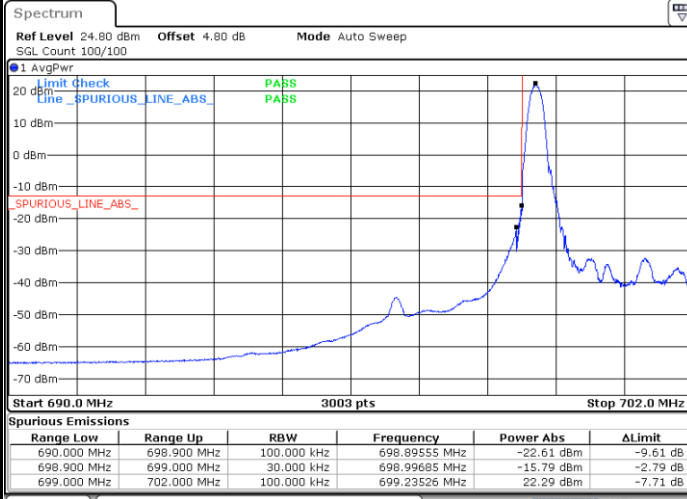


Date: 24.JUL.2024 09:31:12



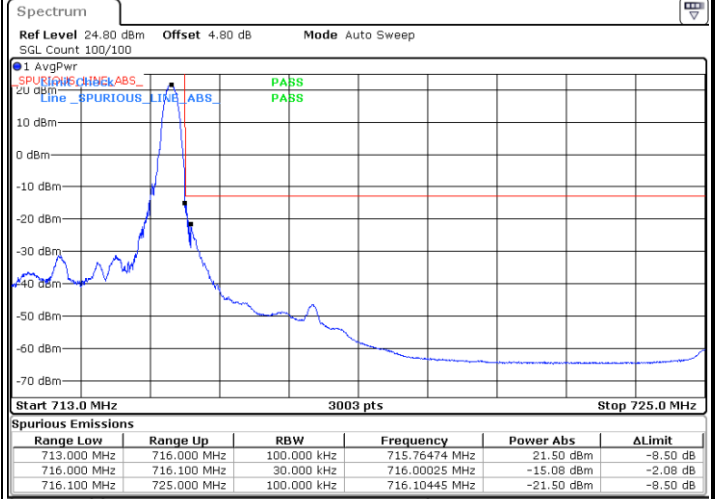
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



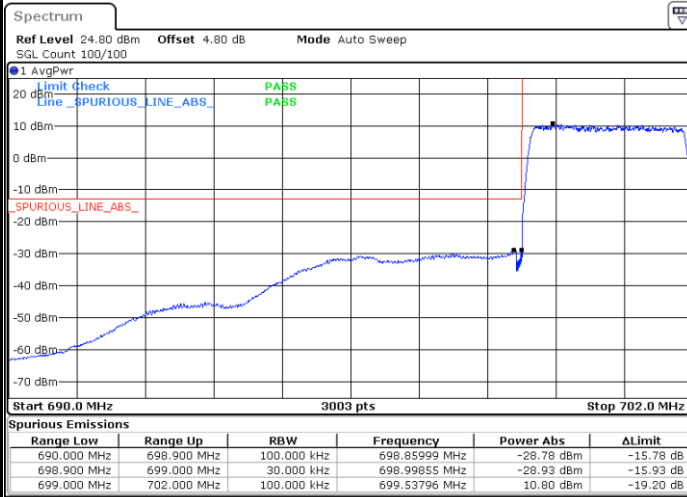
Date: 24.JUL.2024 09:37:01

Highest Band Edge / 1 RB



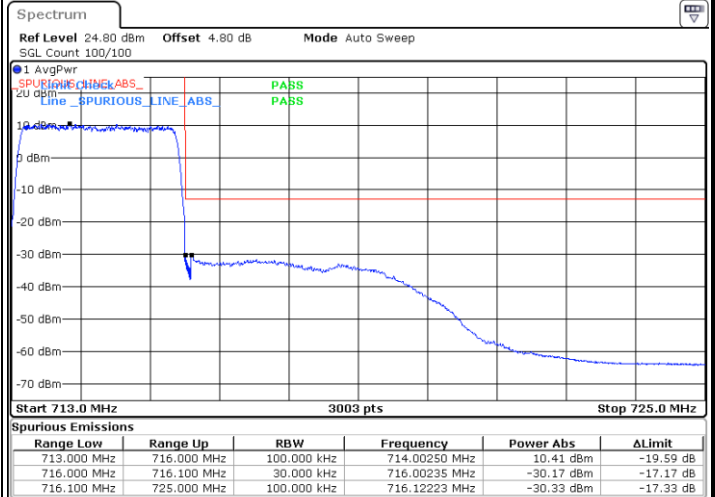
Date: 24.JUL.2024 09:50:18

Lowest Band Edge / Full RB



Date: 24.JUL.2024 09:44:41

Highest Band Edge / Full RB

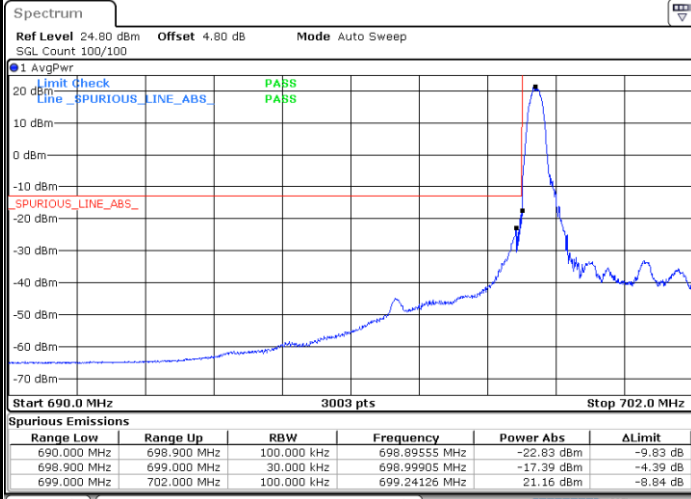


Date: 24.JUL.2024 09:58:55



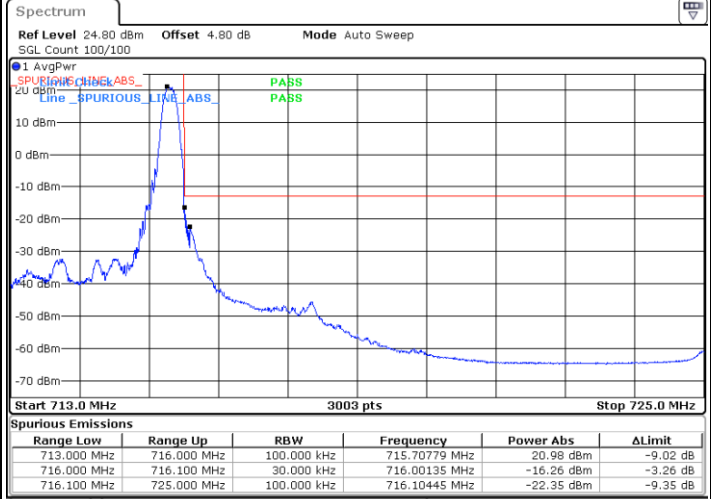
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



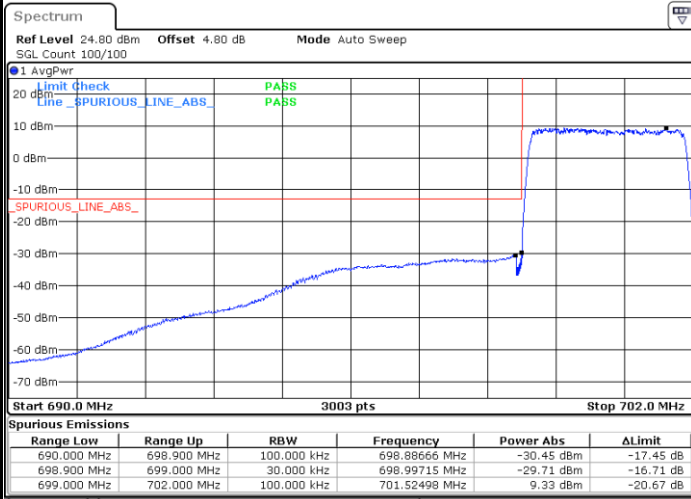
Date: 24.JUL.2024 09:38:09

Highest Band Edge / 1 RB



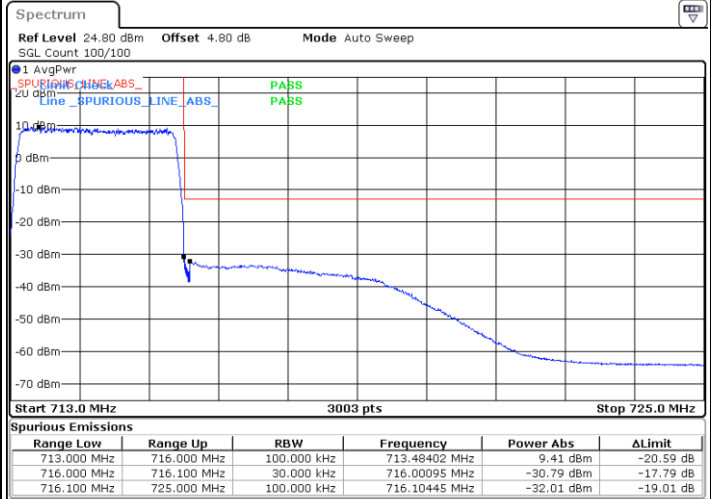
Date: 24.JUL.2024 09:51:26

Lowest Band Edge / Full RB



Date: 24.JUL.2024 09:43:36

Highest Band Edge / Full RB

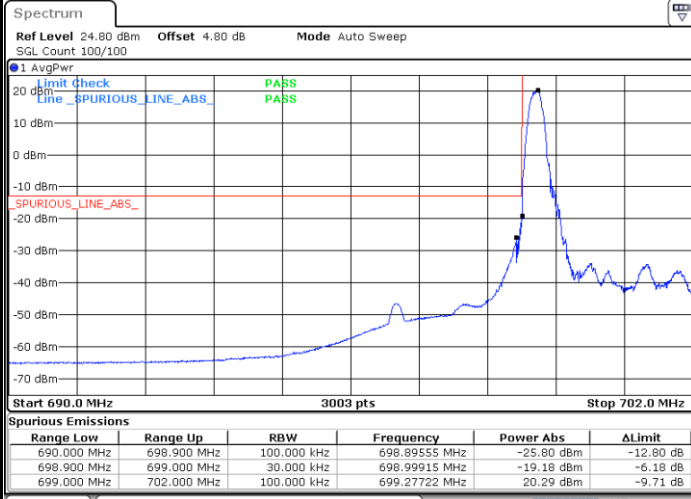


Date: 24.JUL.2024 09:57:50



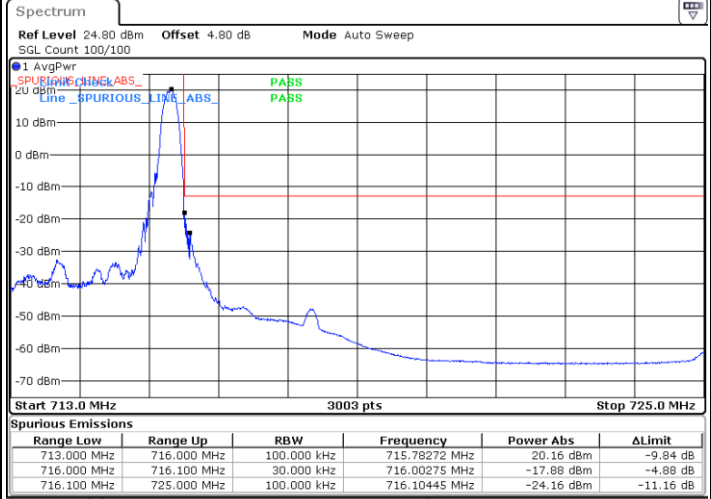
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



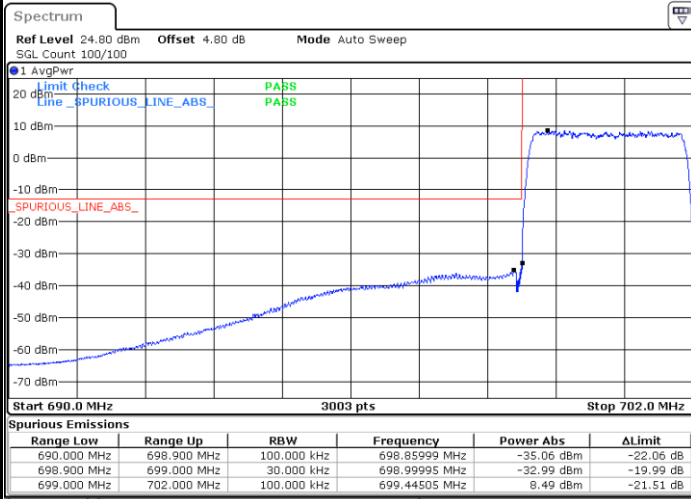
Date: 24.JUL.2024 09:39:14

Highest Band Edge / 1 RB



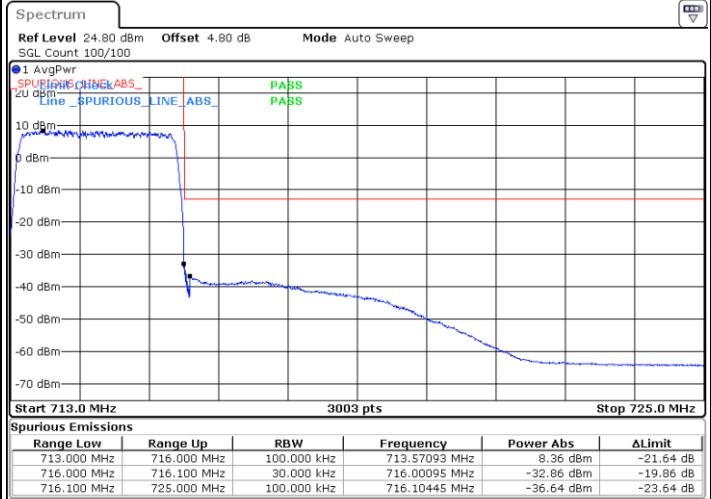
Date: 24.JUL.2024 09:52:31

Lowest Band Edge / Full RB



Date: 24.JUL.2024 09:42:31

Highest Band Edge / Full RB

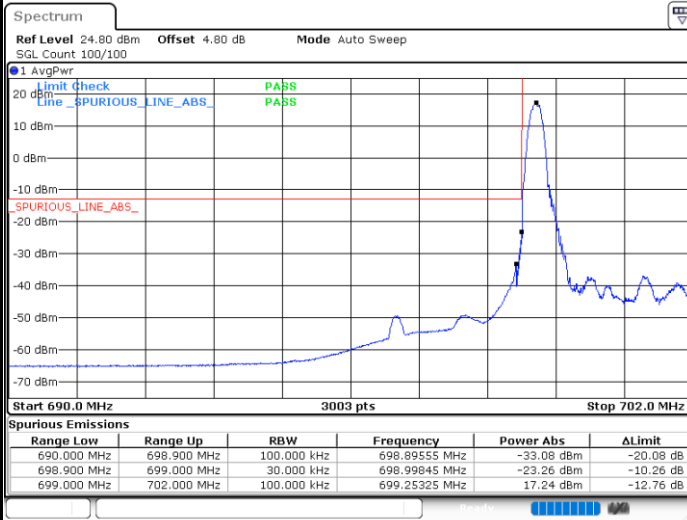


Date: 24.JUL.2024 09:56:45



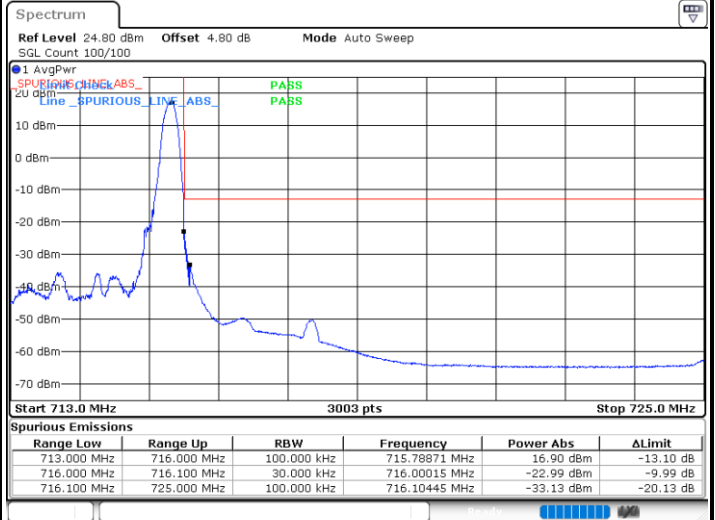
LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



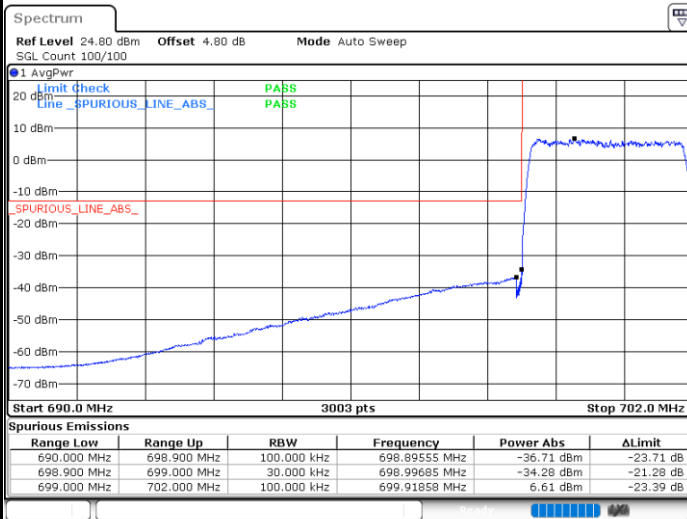
Date: 24.JUL.2024 09:40:19

Highest Band Edge / 1 RB



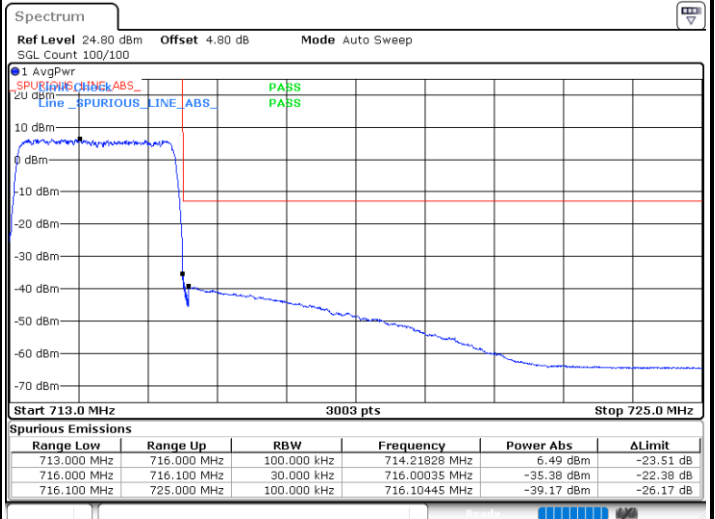
Date: 24.JUL.2024 09:53:36

Lowest Band Edge / Full RB



Date: 24.JUL.2024 10:55:54

Highest Band Edge / Full RB

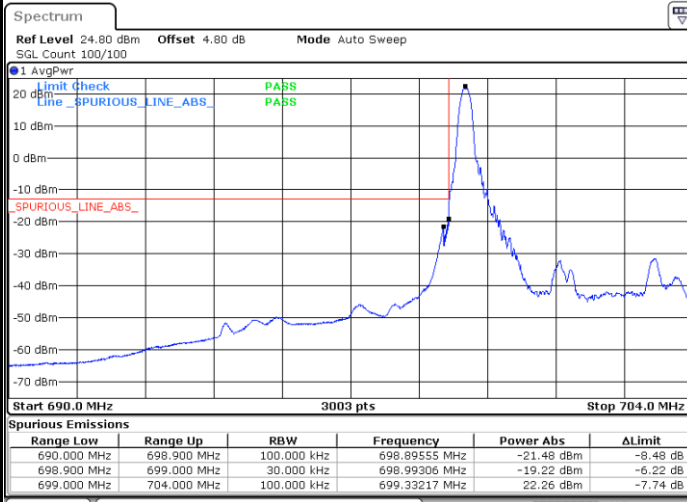


Date: 24.JUL.2024 09:55:40



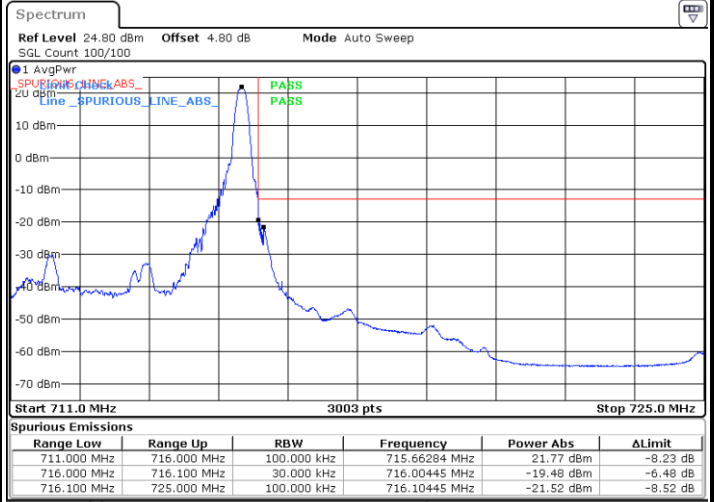
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



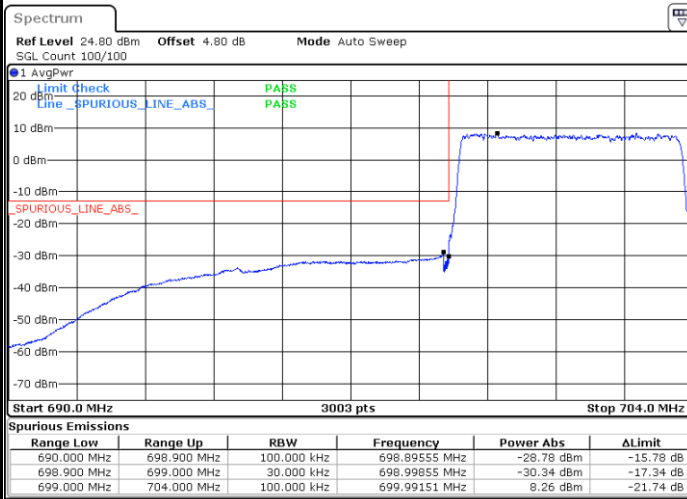
Date: 24.JUL.2024 10:01:29

Highest Band Edge / 1 RB



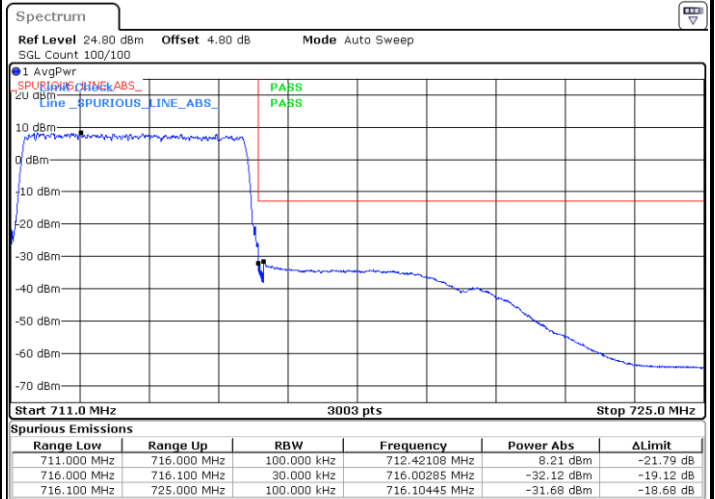
Date: 24.JUL.2024 10:14:26

Lowest Band Edge / Full RB



Date: 24.JUL.2024 10:09:09

Highest Band Edge / Full RB



Date: 24.JUL.2024 10:22:07