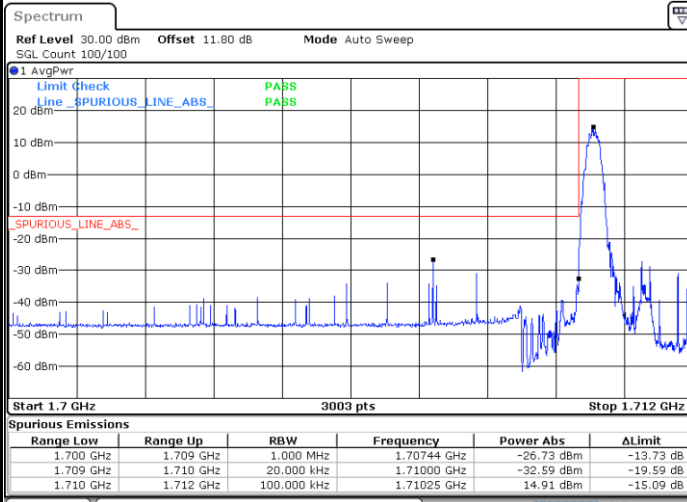




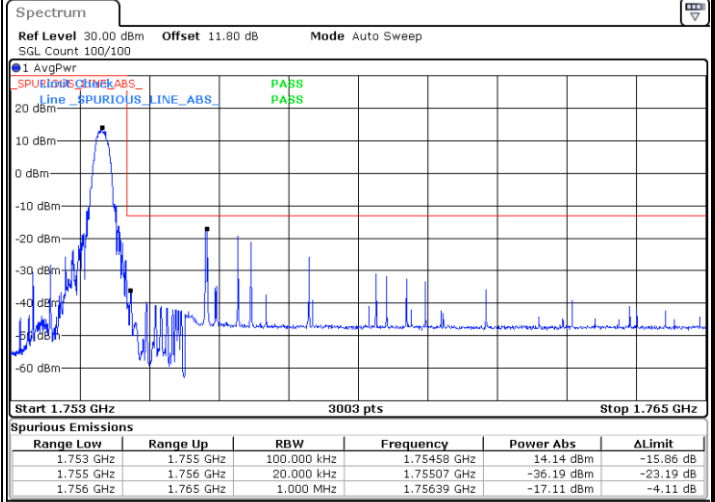
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



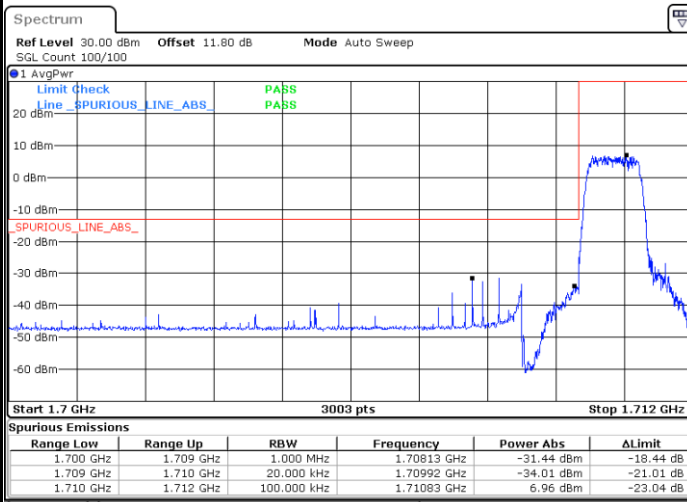
Date: 9.AUG.2024 16:59:12

Highest Band Edge / 1 RB



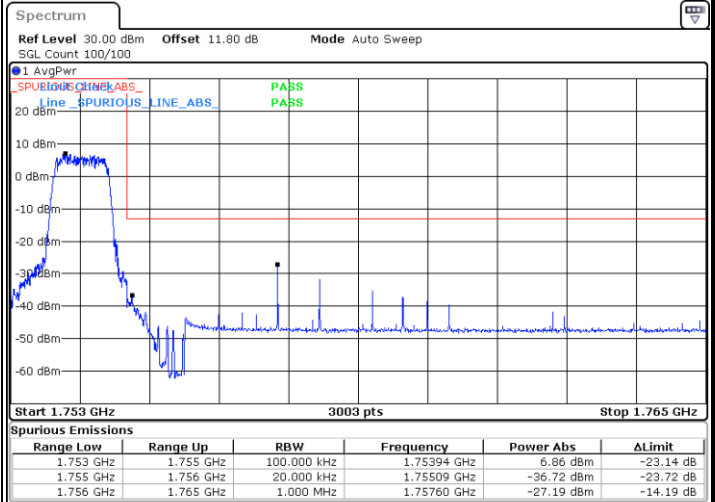
Date: 9.AUG.2024 17:09:31

Lowest Band Edge / Full RB



Date: 9.AUG.2024 17:00:05

Highest Band Edge / Full RB



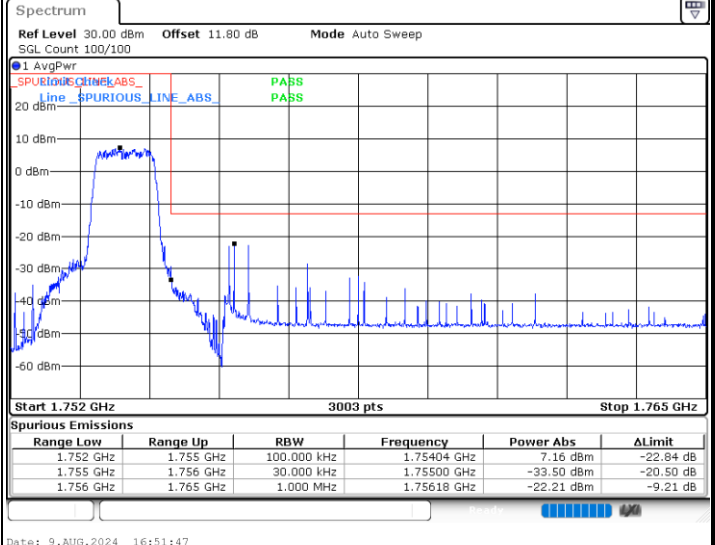
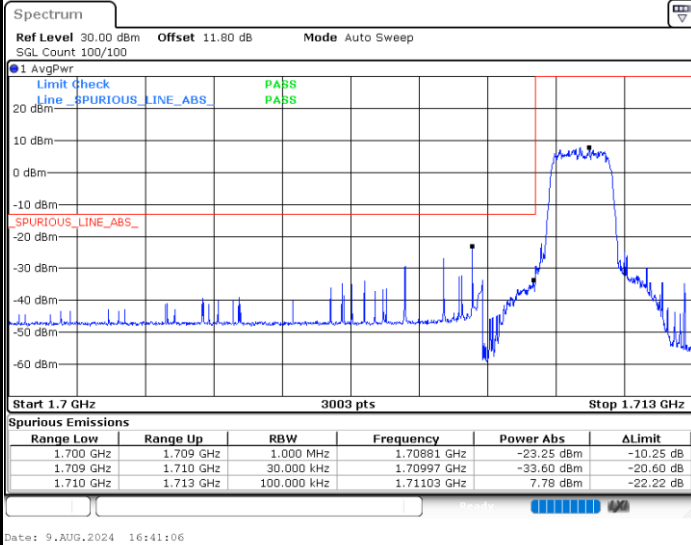
Date: 9.AUG.2024 17:08:38



LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / Full RB

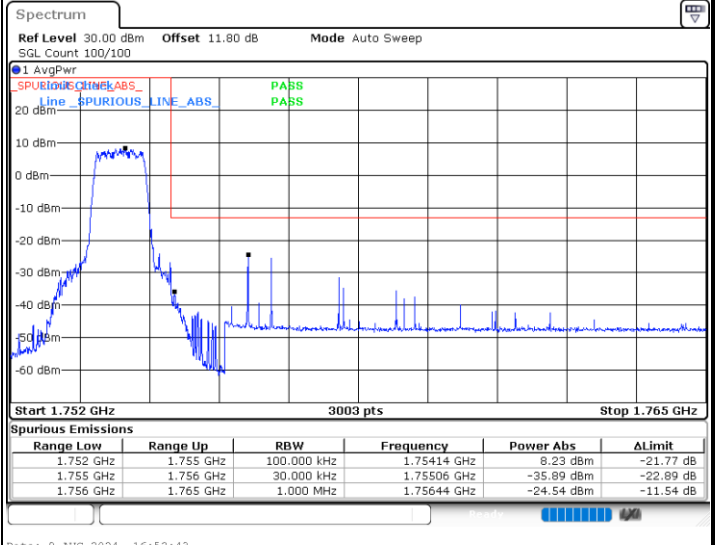
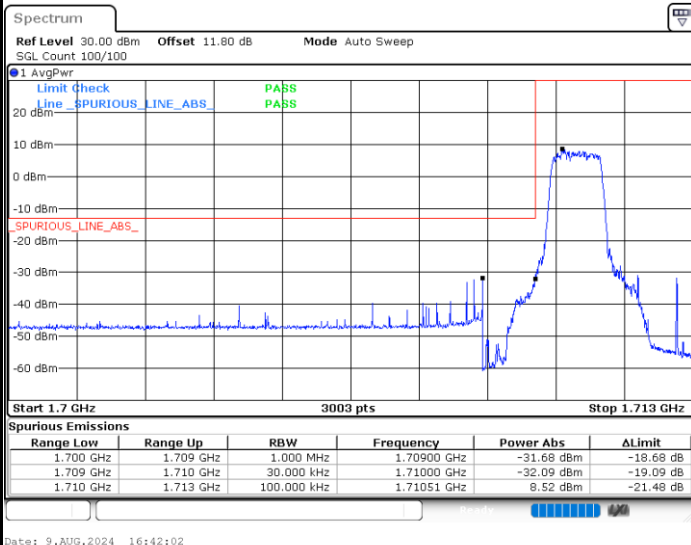
Highest Band Edge / Full RB



LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / Full RB

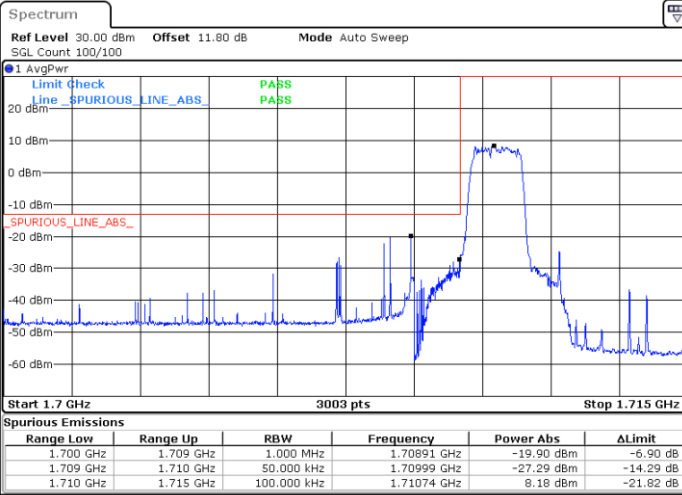
Highest Band Edge / Full RB





LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 9.AUG.2024 16:03:32

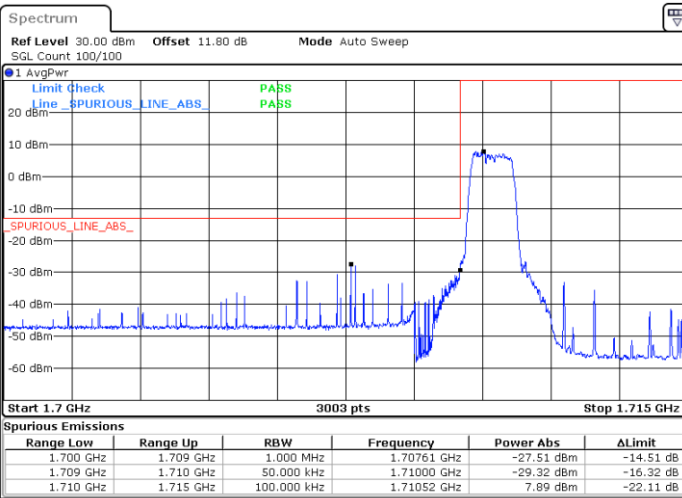
Highest Band Edge / Full RB



Date: 9.AUG.2024 16:18:50

LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 9.AUG.2024 16:05:16

Highest Band Edge / Full RB

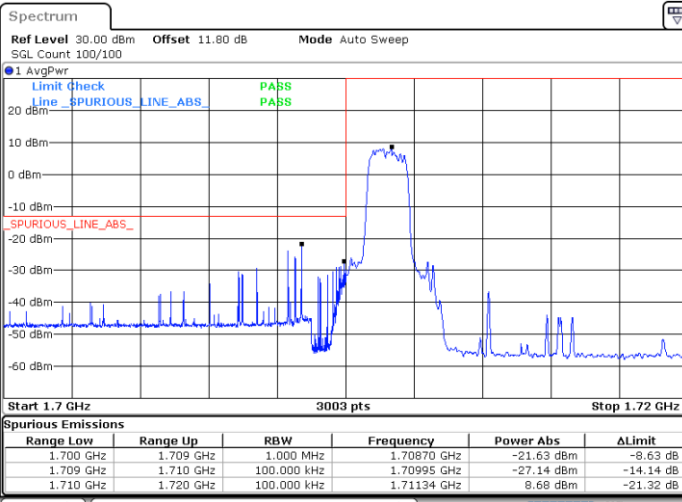


Date: 9.AUG.2024 16:20:10

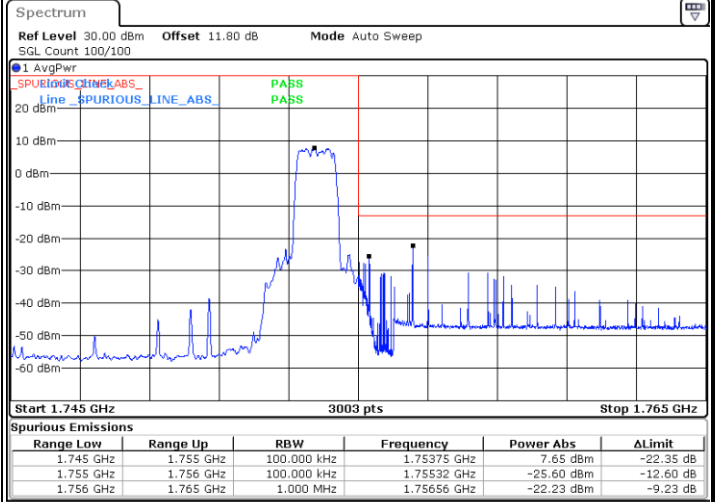


LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / Full RB

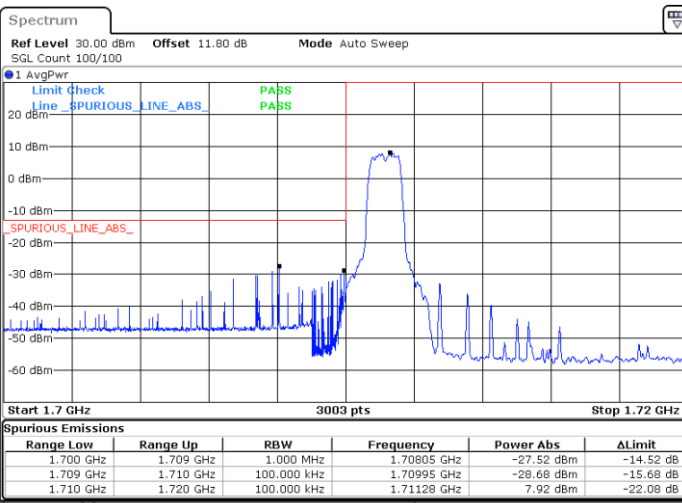


Highest Band Edge / Full RB

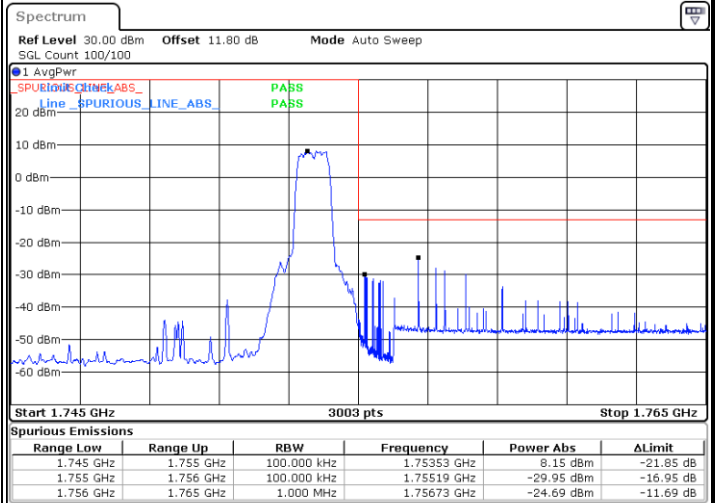


LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / Full RB



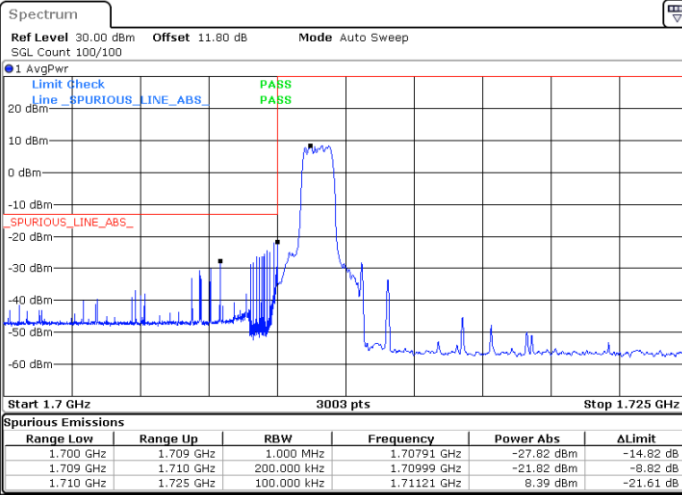
Highest Band Edge / Full RB





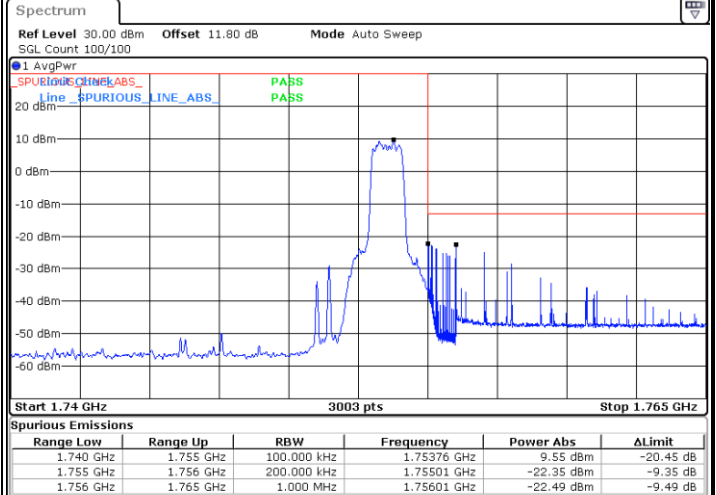
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 9.AUG.2024 15:24:23

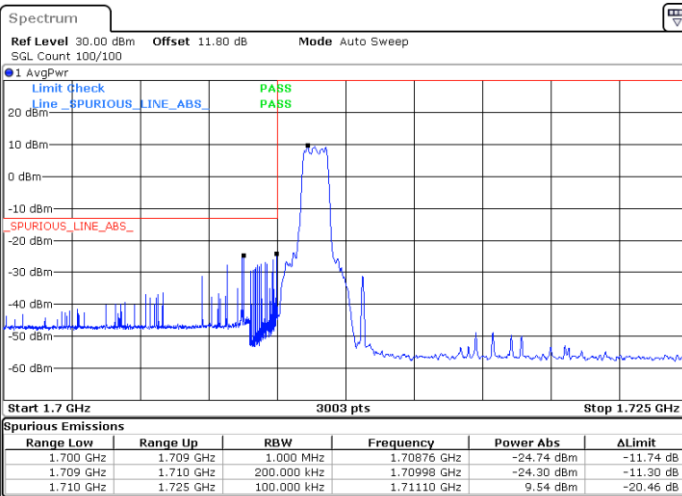
Highest Band Edge / Full RB



Date: 9.AUG.2024 15:41:01

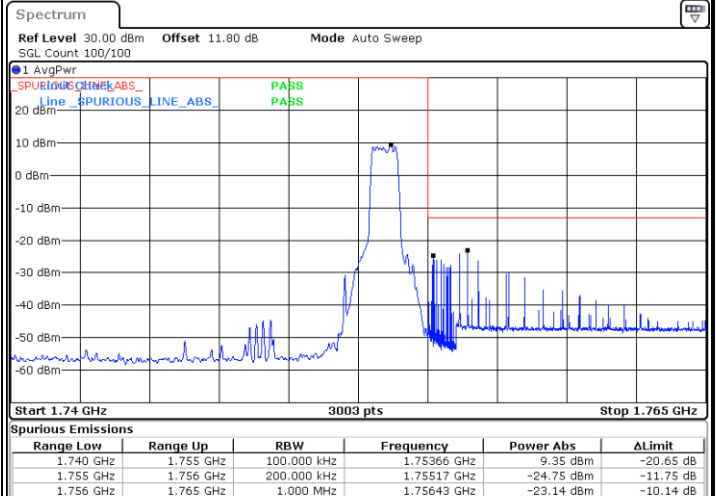
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 9.AUG.2024 15:26:40

Highest Band Edge / Full RB

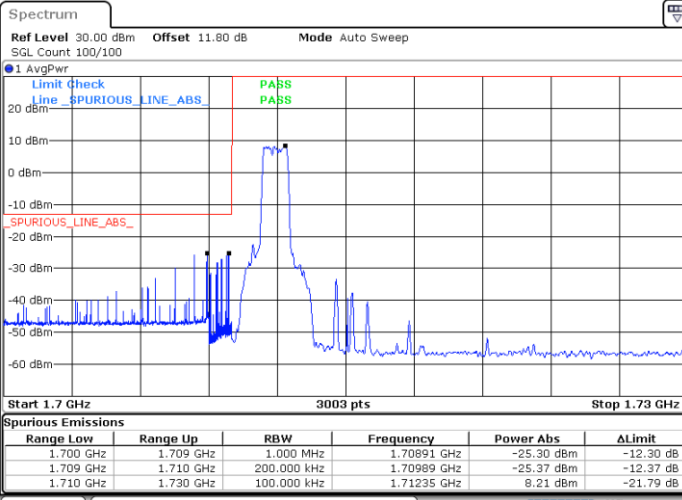


Date: 9.AUG.2024 15:42:40



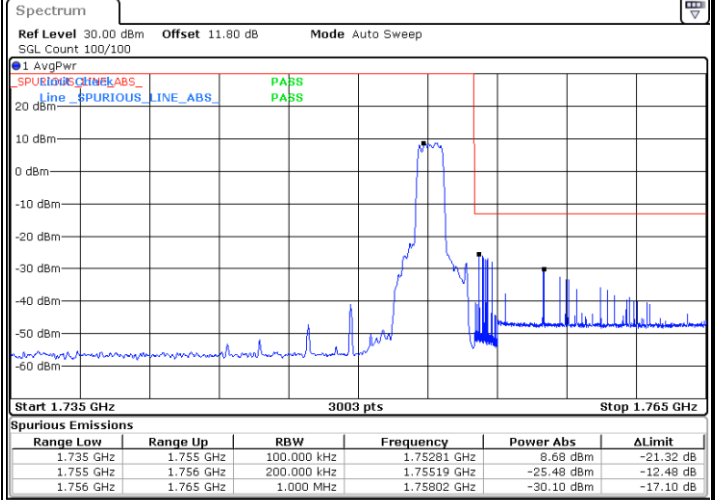
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 9.AUG.2024 14:53:19

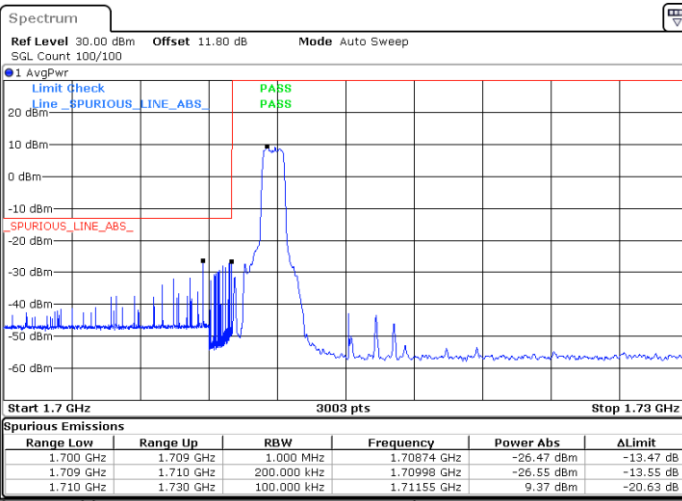
Highest Band Edge / Full RB



Date: 9.AUG.2024 15:13:52

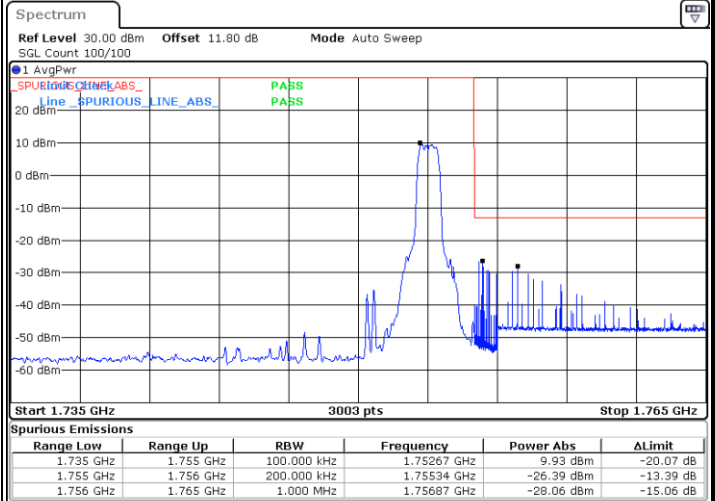
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 9.AUG.2024 14:54:45

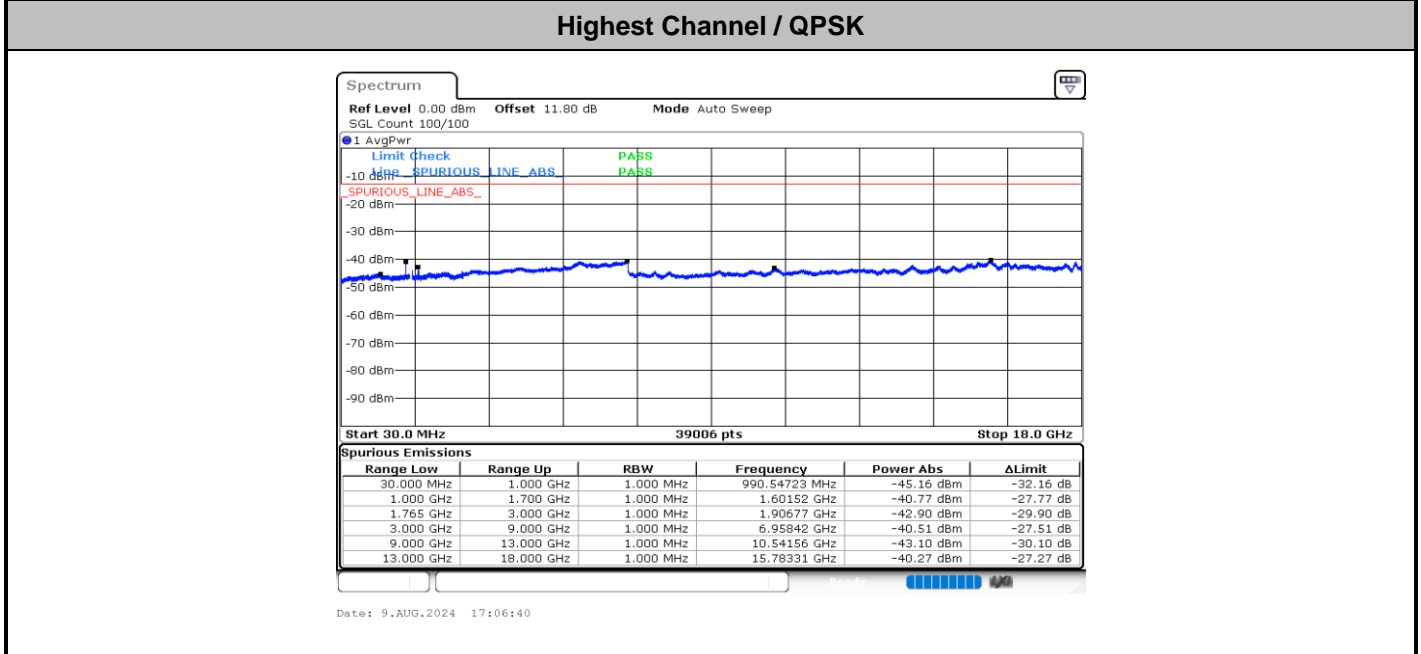
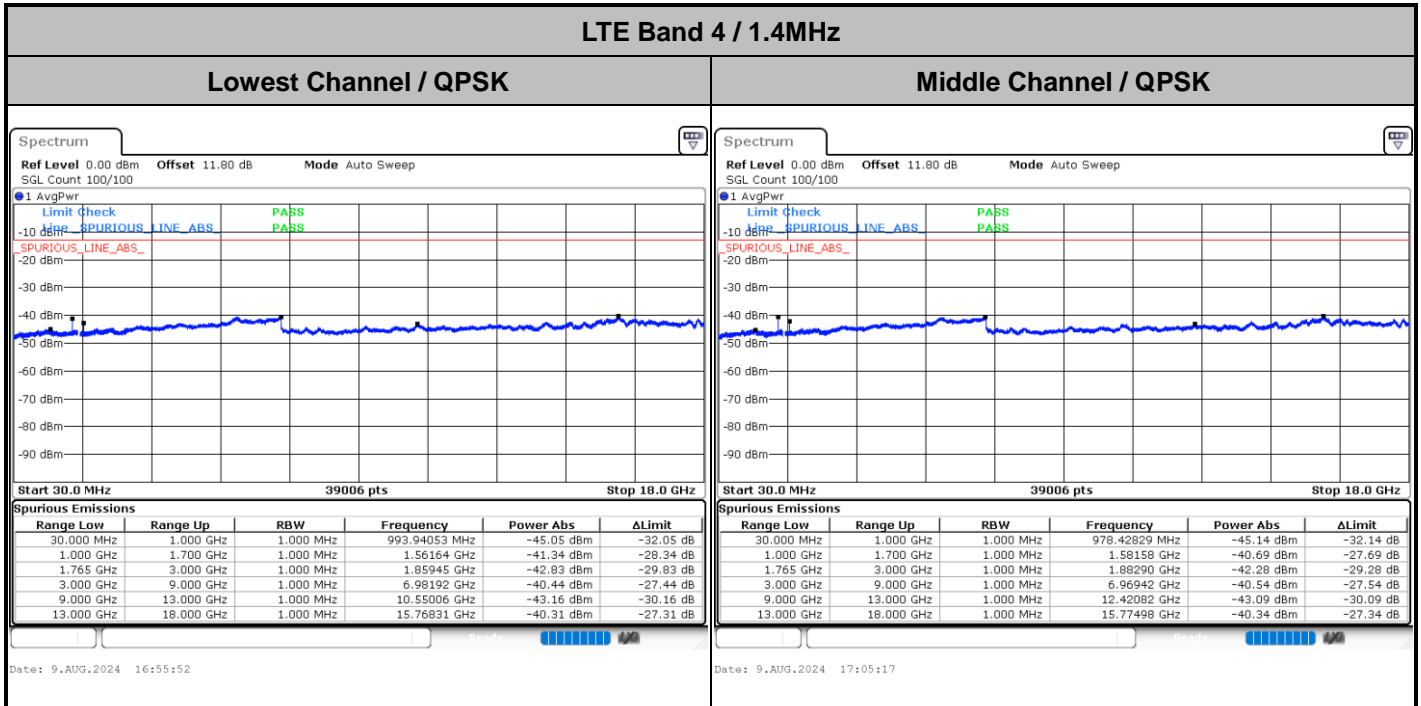
Highest Band Edge / Full RB



Date: 9.AUG.2024 15:15:10



Conducted Spurious Emission

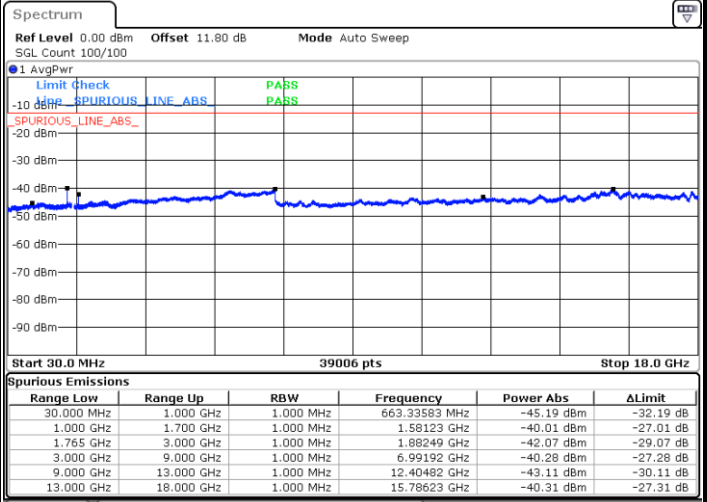
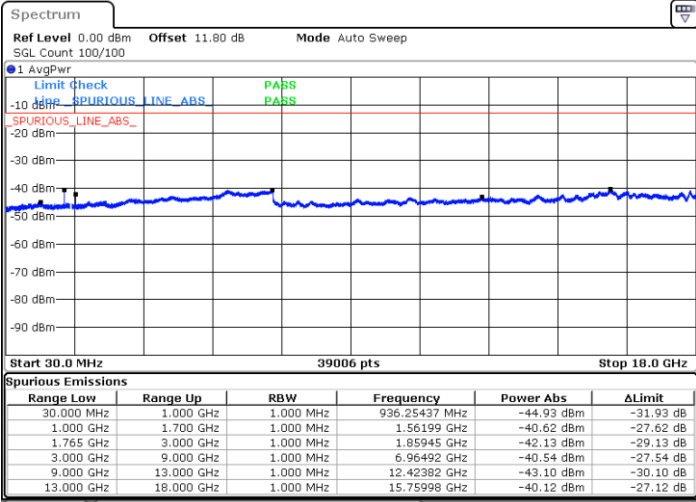




LTE Band 4 / 3MHz

Lowest Channel / QPSK

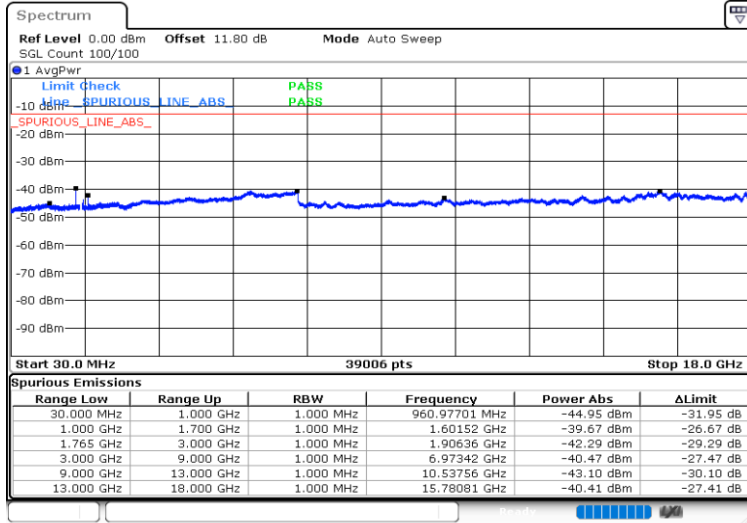
Middle Channel / QPSK



Date: 9.AUG.2024 16:39:32

Date: 9.AUG.2024 16:48:27

Highest Channel / QPSK



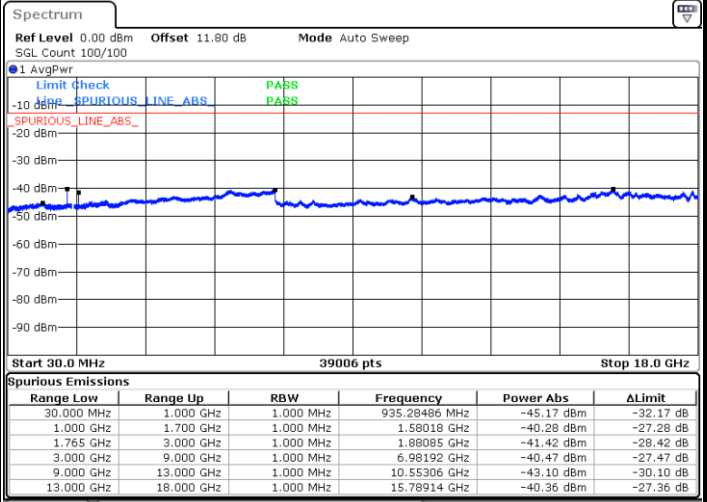
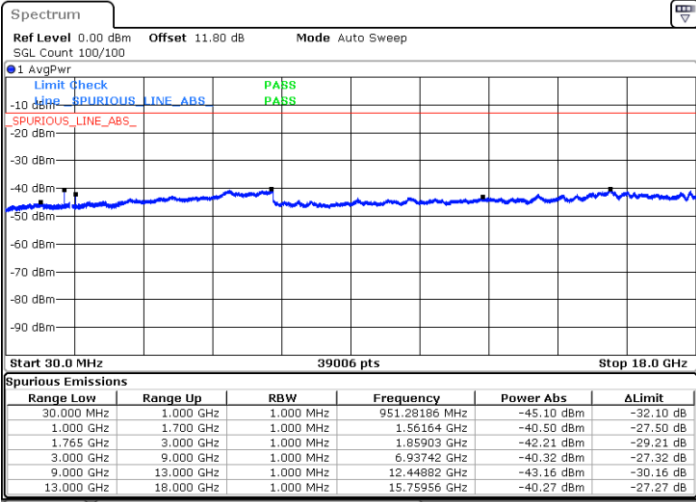
Date: 9.AUG.2024 16:50:26



LTE Band 4 / 5MHz

Lowest Channel / QPSK

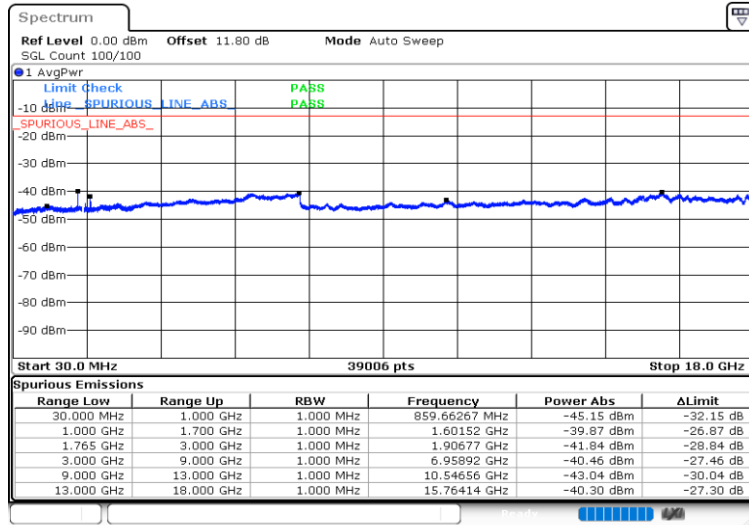
Middle Channel / QPSK



Date: 9.AUG.2024 16:01:38

Date: 9.AUG.2024 16:16:14

Highest Channel / QPSK



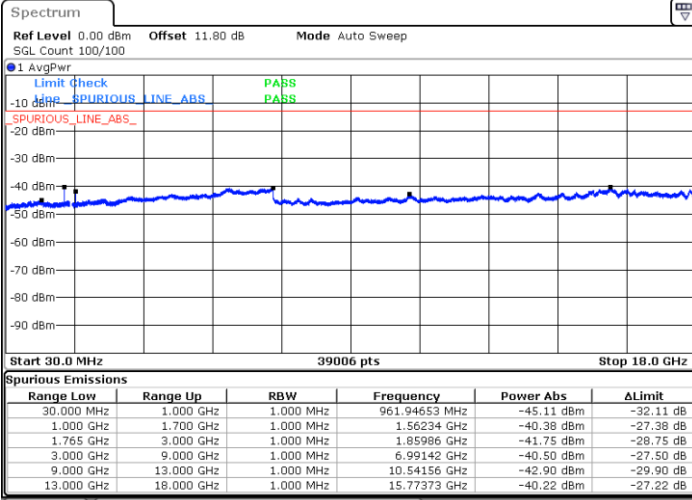
Date: 9.AUG.2024 16:13:54



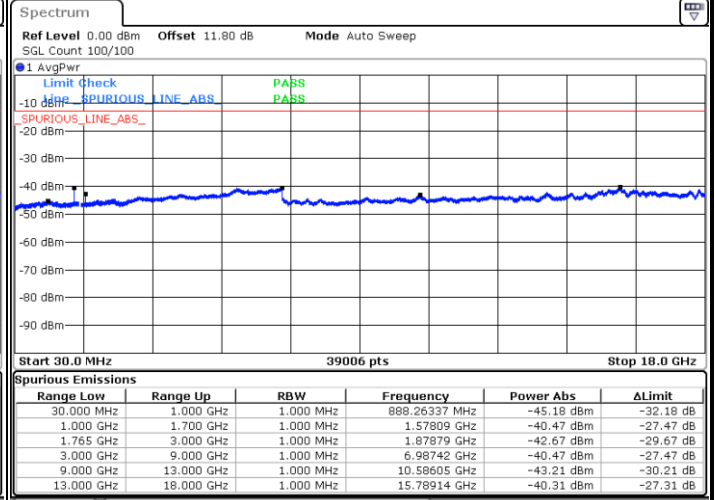
LTE Band 4 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

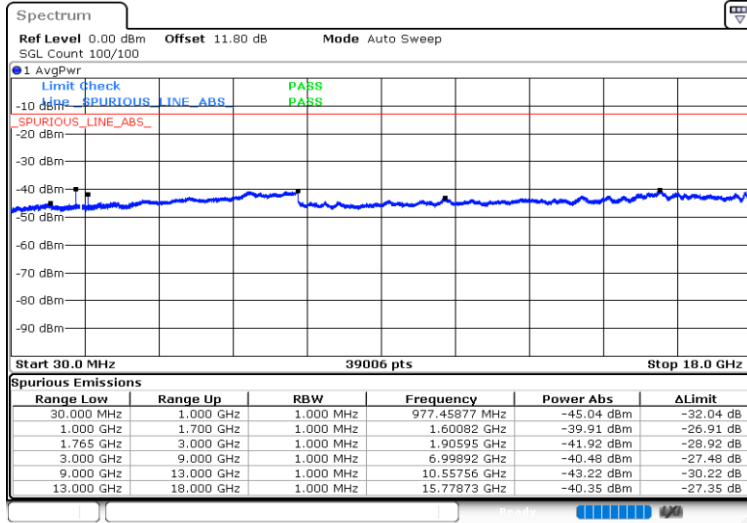


Date: 9.AUG.2024 15:45:09



Date: 9.AUG.2024 15:49:47

Highest Channel / QPSK



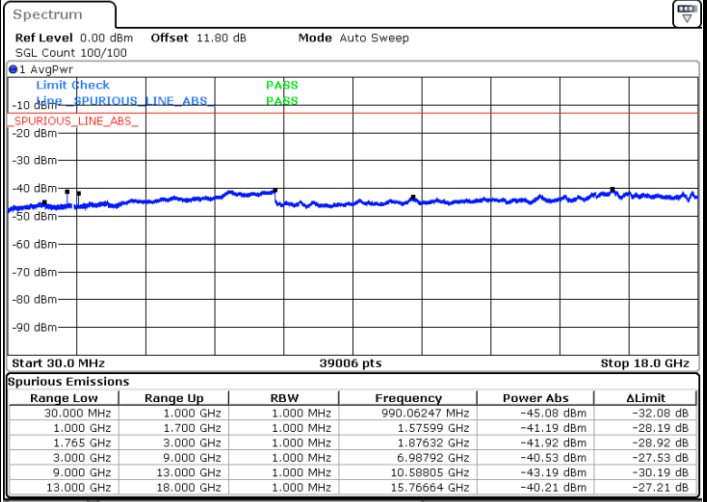
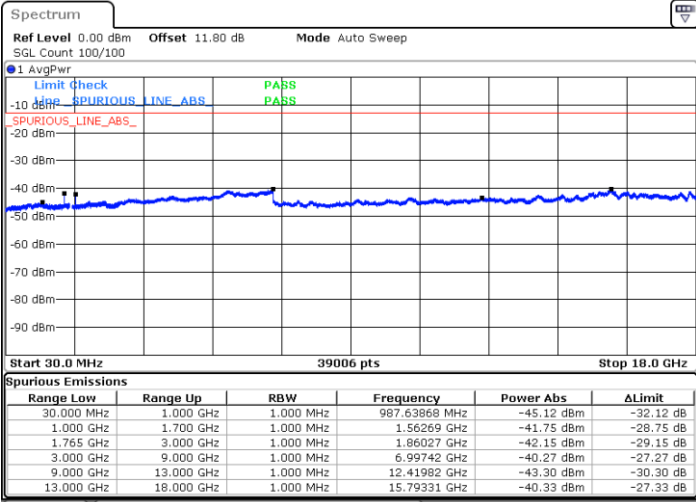
Date: 9.AUG.2024 15:55:45



LTE Band 4 / 15MHz

Lowest Channel / QPSK

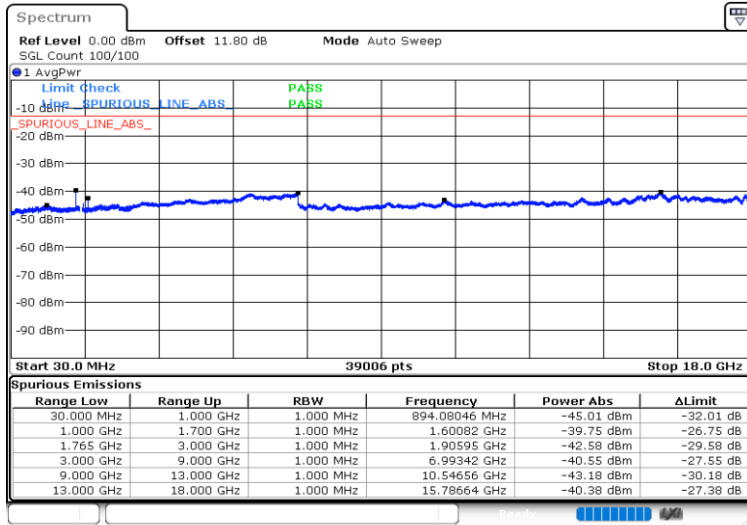
Middle Channel / QPSK



Date: 9.AUG.2024 15:22:40

Date: 9.AUG.2024 15:20:24

Highest Channel / QPSK



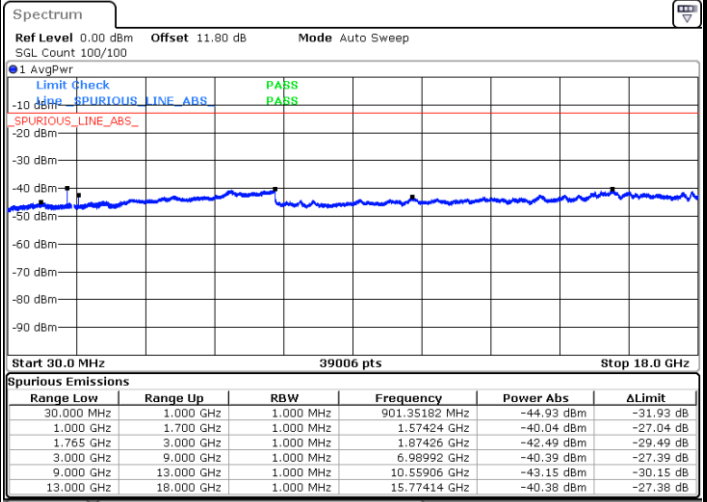
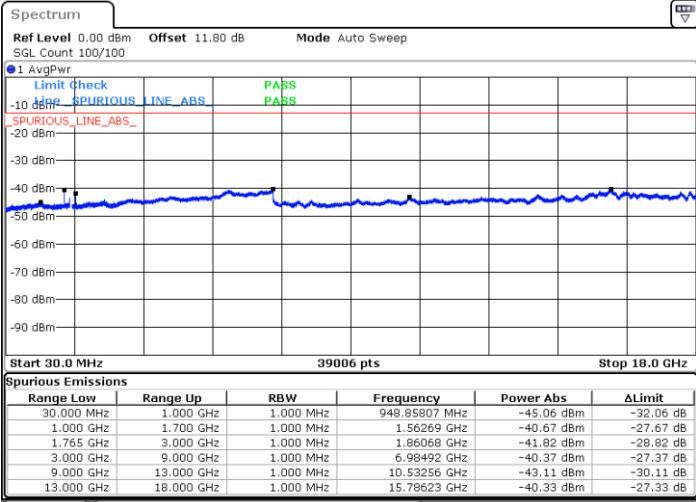
Date: 9.AUG.2024 15:39:27



LTE Band 4 / 20MHz

Lowest Channel / QPSK

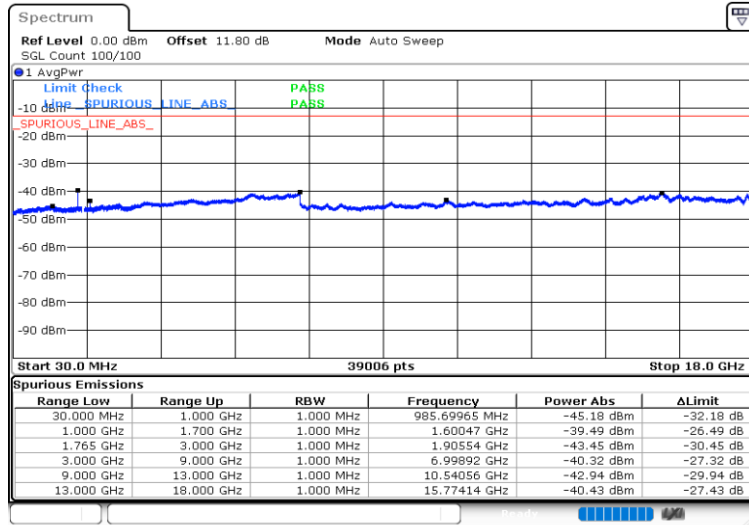
Middle Channel / QPSK



Date: 9.AUG.2024 14:50:34

Date: 9.AUG.2024 14:57:06

Highest Channel / QPSK



Date: 9.AUG.2024 15:17:01



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0083	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0098	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0078	
-20	Normal Voltage	0.0051	
-30	Normal Voltage	0.0095	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0069	

Note:

- 1. Normal Voltage = 110 V. ; Minimum Voltage = 90 V. ; Maximum Voltage = 264 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5

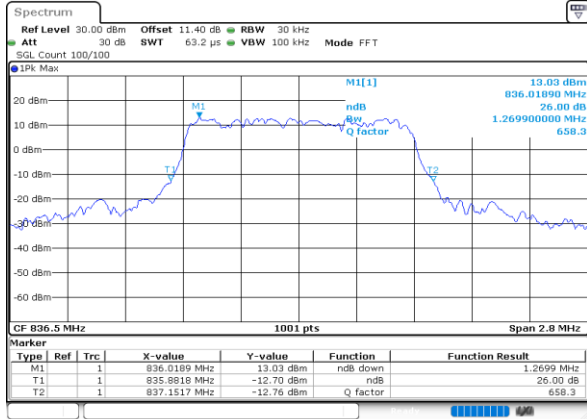
26dB Bandwidth

Mode	LTE Band 5 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.26	1.09	1.37	1.21	1.33	1.15	1.75	1.53	-	-	-	-



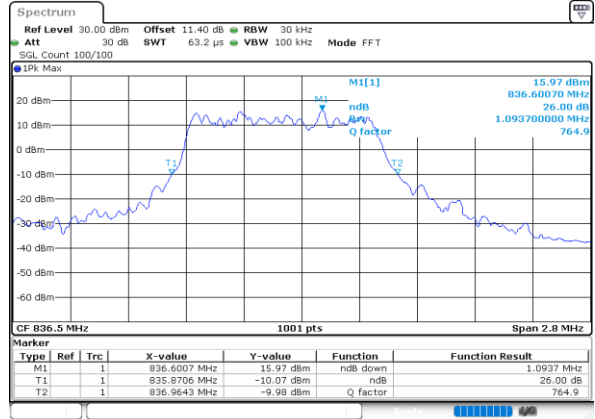
LTE Band 5

Middle Channel / 1.4MHz / QPSK



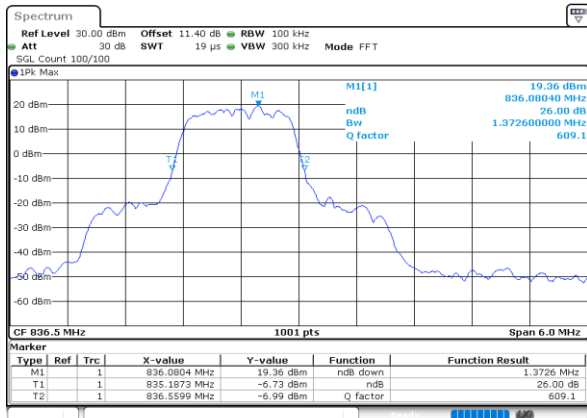
Date: 9.AUG.2024 18:19:12

Middle Channel / 1.4MHz / 16QAM



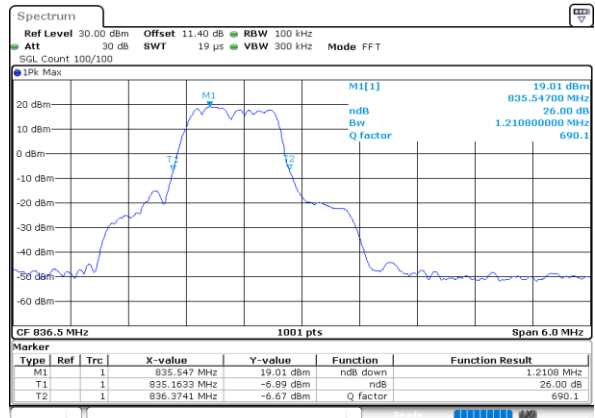
Date: 9.AUG.2024 18:20:52

Middle Channel / 3MHz / QPSK



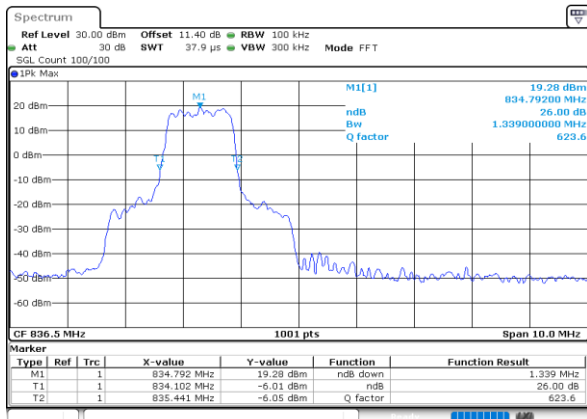
Date: 9.AUG.2024 18:00:28

Middle Channel / 3MHz / 16QAM



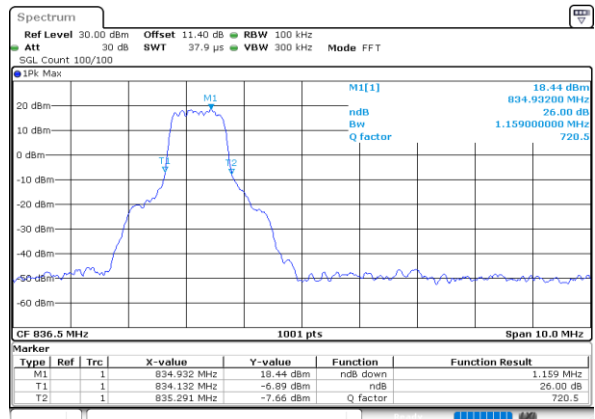
Date: 9.AUG.2024 18:02:29

Middle Channel / 5MHz / QPSK



Date: 9.AUG.2024 17:41:15

Middle Channel / 5MHz / 16QAM



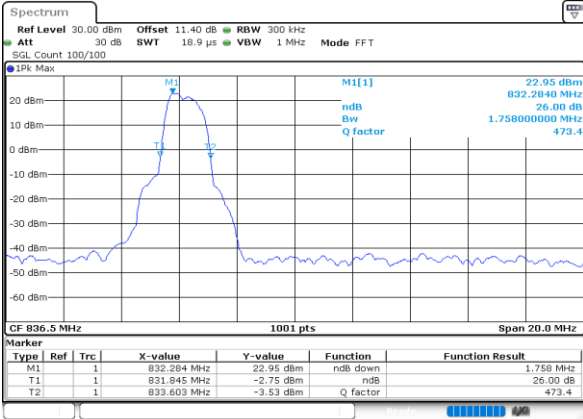
Date: 9.AUG.2024 17:40:06



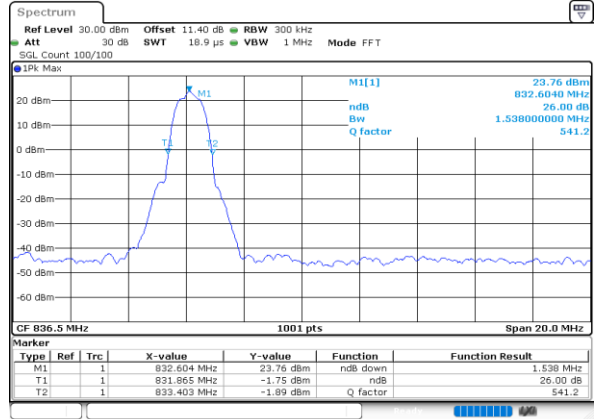
LTE Band 5

Middle Channel / 10MHz / QPSK

Middle Channel / 10MHz / 16QAM



Date: 9.AUG.2024 17:26:00



Date: 9.AUG.2024 17:24:33



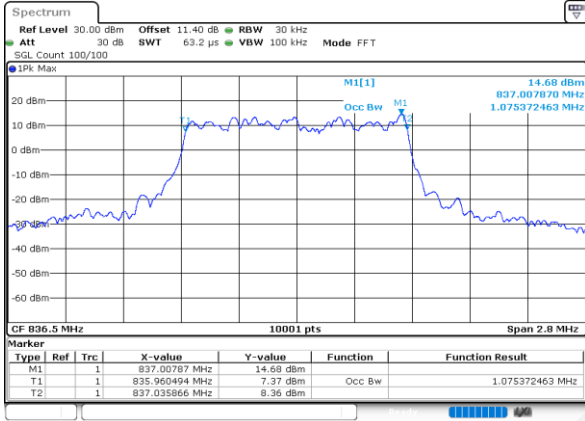
Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.07	0.90	1.16	0.98	1.16	0.98	1.44	1.29	-	-	-	-



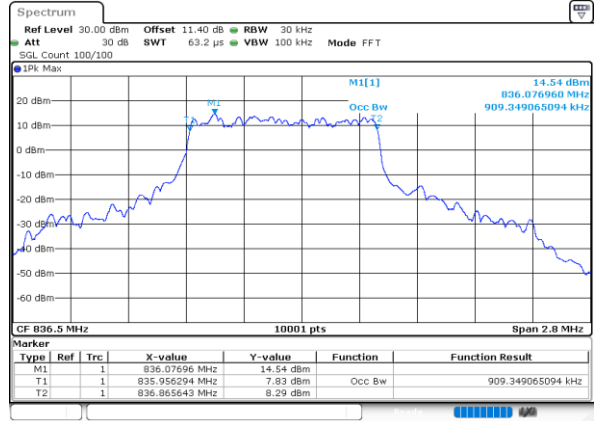
LTE Band 5

Middle Channel / 1.4MHz / QPSK



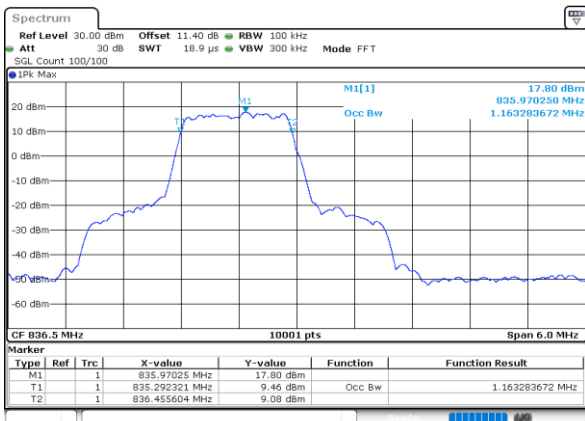
Date: 9.AUG.2024 18:18:22

Middle Channel / 1.4MHz / 16QAM



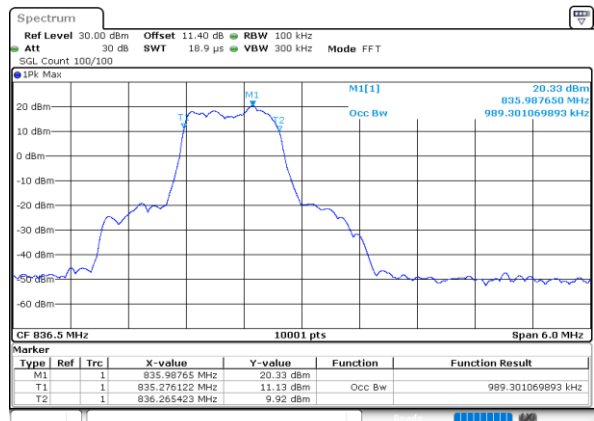
Date: 9.AUG.2024 18:20:37

Middle Channel / 3MHz / QPSK



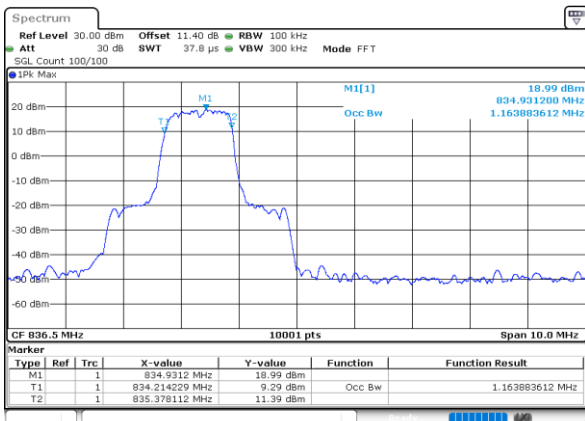
Date: 9.AUG.2024 17:59:49

Middle Channel / 3MHz / 16QAM



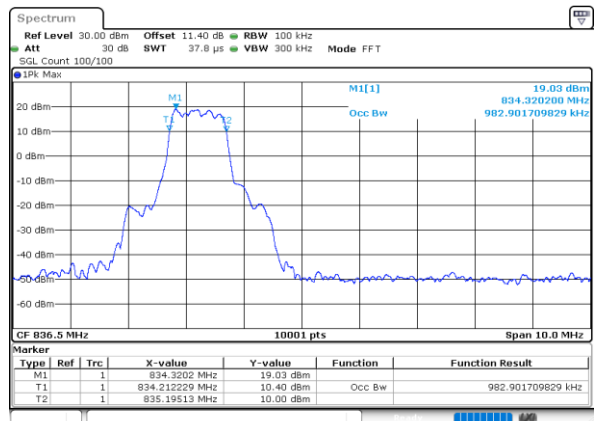
Date: 9.AUG.2024 18:01:20

Middle Channel / 5MHz / QPSK



Date: 9.AUG.2024 17:40:41

Middle Channel / 5MHz / 16QAM

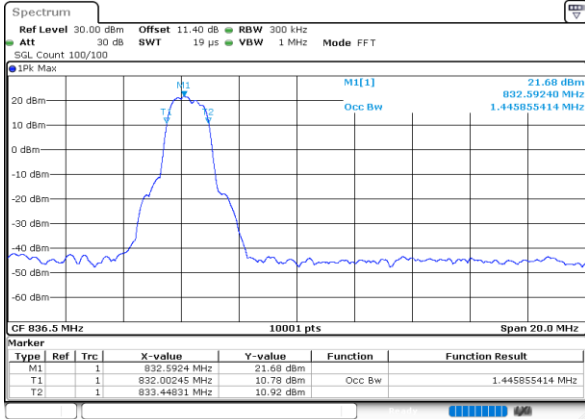


Date: 9.AUG.2024 17:39:13



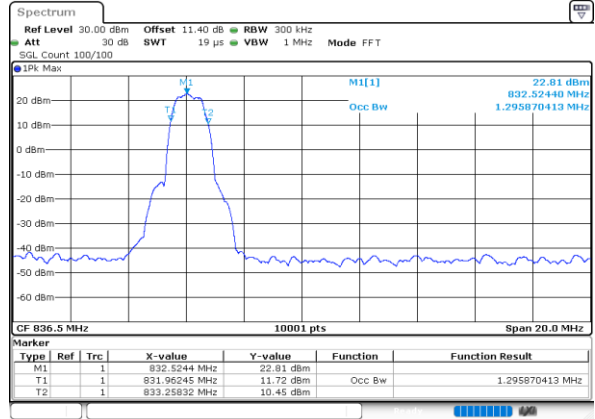
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 9.AUG.2024 17:25:15

Middle Channel / 10MHz / 16QAM



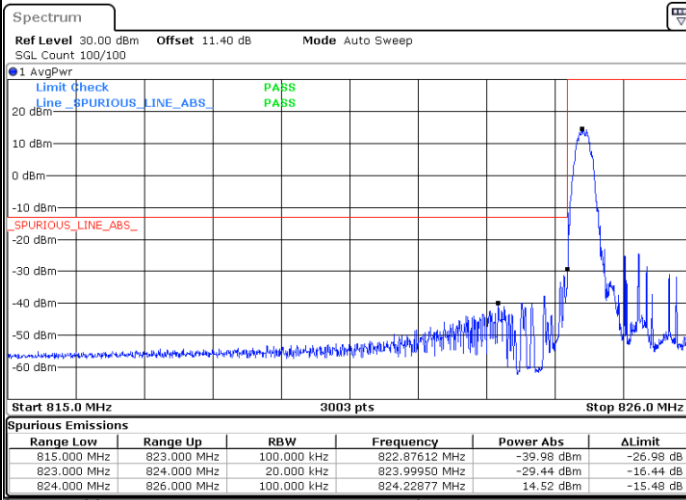
Date: 9.AUG.2024 17:24:05



Conducted Band Edge

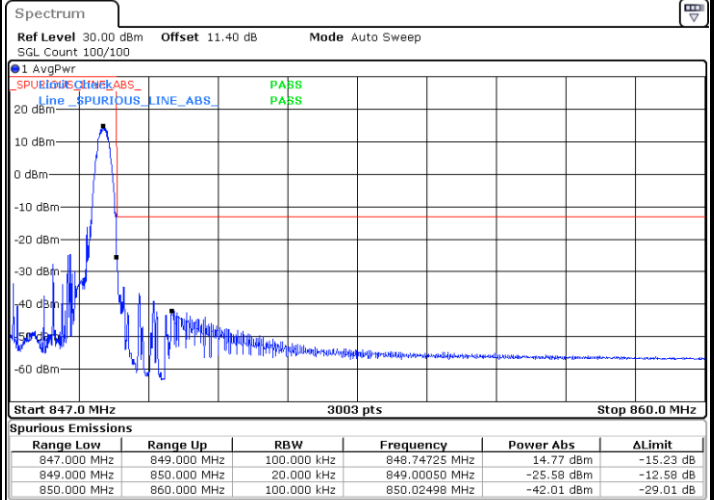
LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



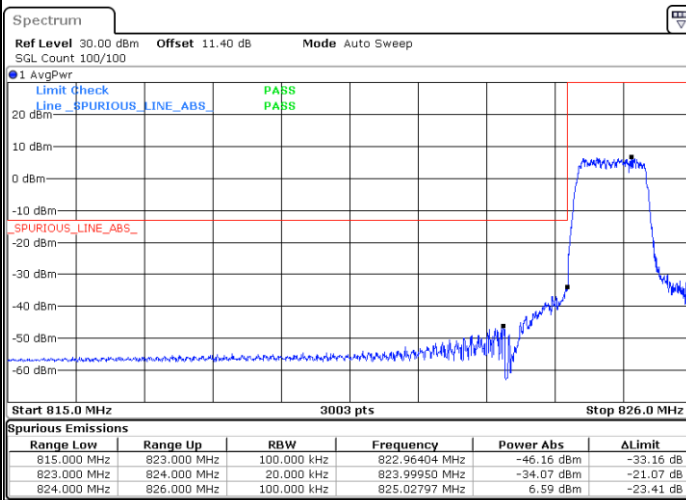
Date: 9.AUG.2024 18:12:48

Highest Band Edge / 1RB



Date: 9.AUG.2024 18:24:40

Lowest Band Edge / Full RB



Date: 9.AUG.2024 18:17:06

Highest Band Edge / Full RB

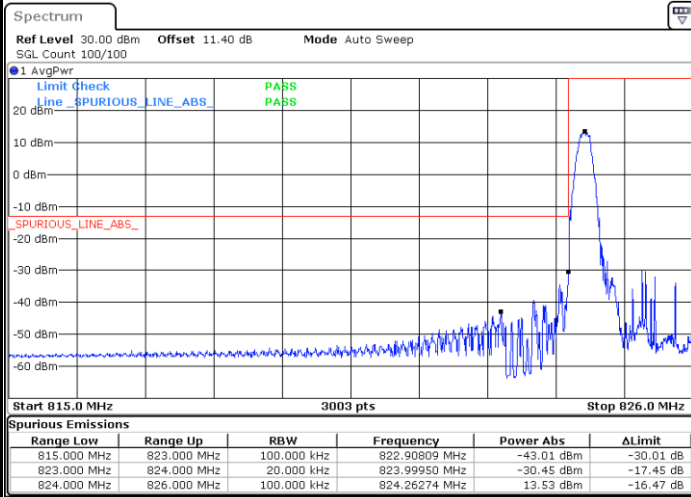


Date: 9.AUG.2024 18:28:36



LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



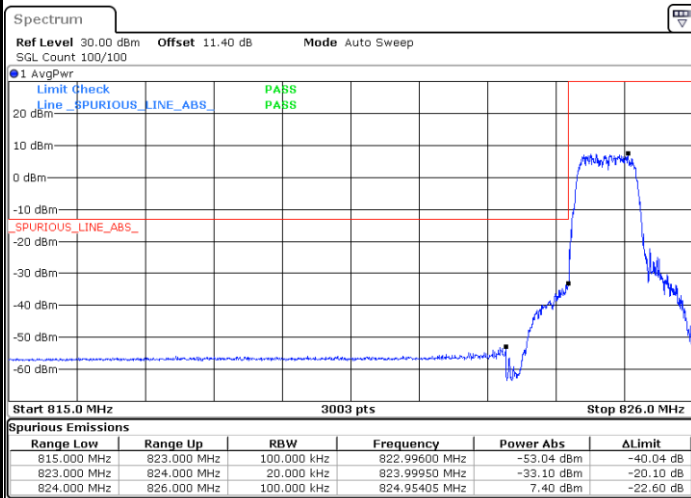
Date: 9.AUG.2024 18:14:31

Highest Band Edge / 1 RB



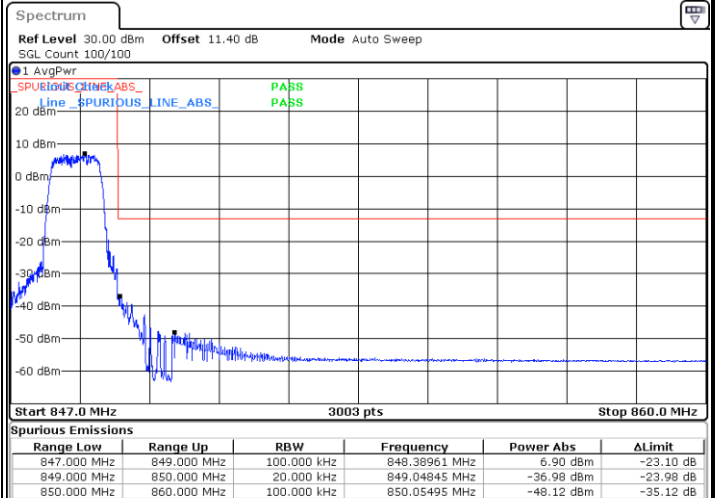
Date: 9.AUG.2024 18:26:24

Lowest Band Edge / Full RB



Date: 9.AUG.2024 18:15:54

Highest Band Edge / Full RB

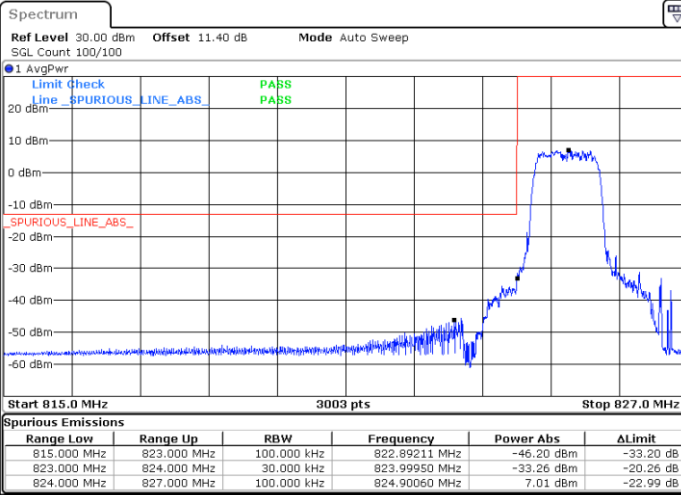


Date: 9.AUG.2024 18:27:30



LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / Full RB



Date: 9.AUG.2024 17:54:26

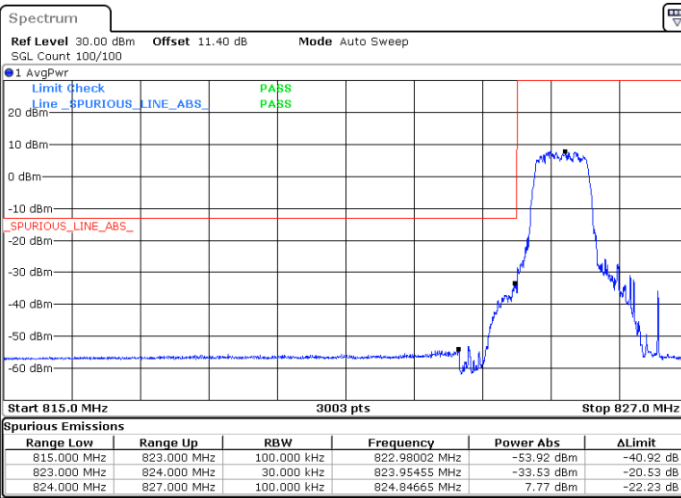
Highest Band Edge / Full RB



Date: 9.AUG.2024 18:05:43

LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Date: 9.AUG.2024 17:55:49

Highest Band Edge / Full RB

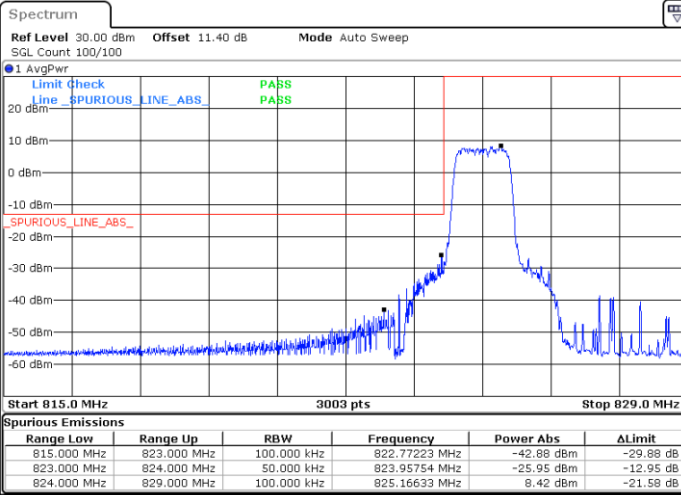


Date: 9.AUG.2024 18:08:49



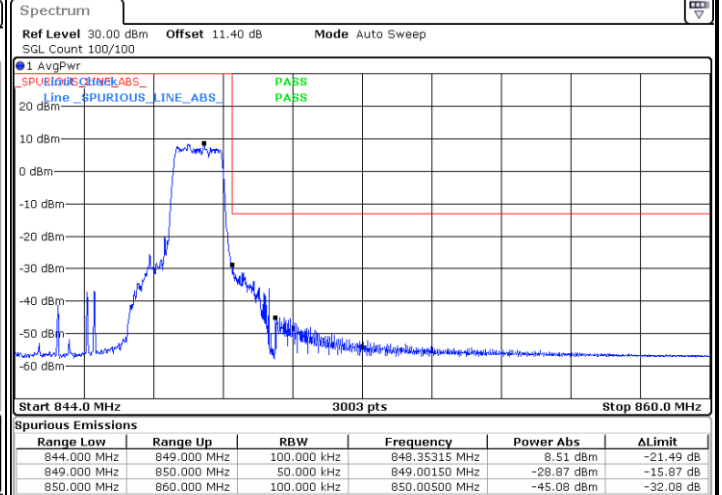
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 9.AUG.2024 17:36:10

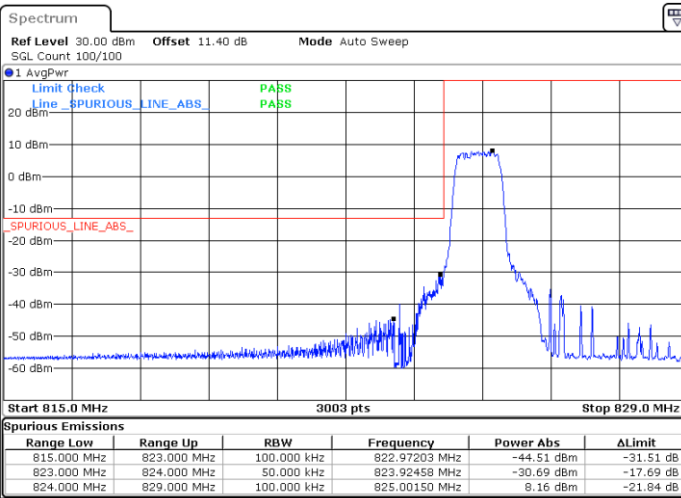
Highest Band Edge / Full RB



Date: 9.AUG.2024 17:47:19

LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 9.AUG.2024 17:37:27

Highest Band Edge / Full RB

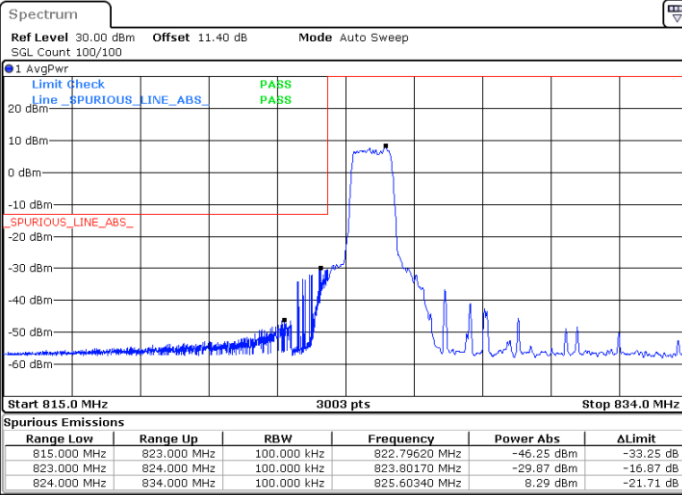


Date: 9.AUG.2024 17:48:36



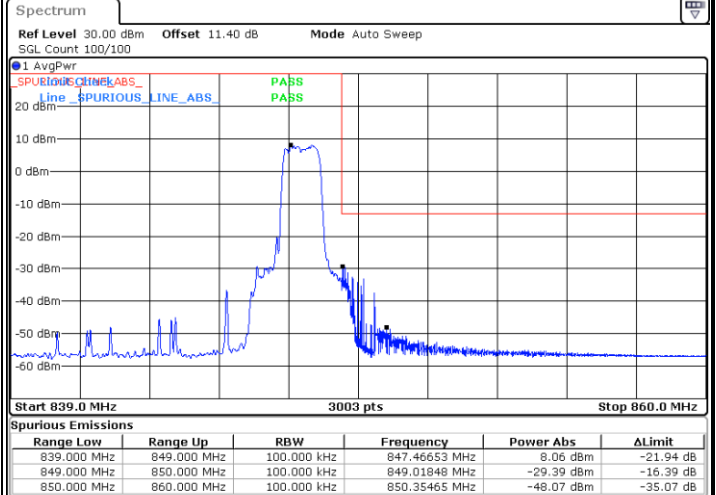
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 9.AUG.2024 17:18:40

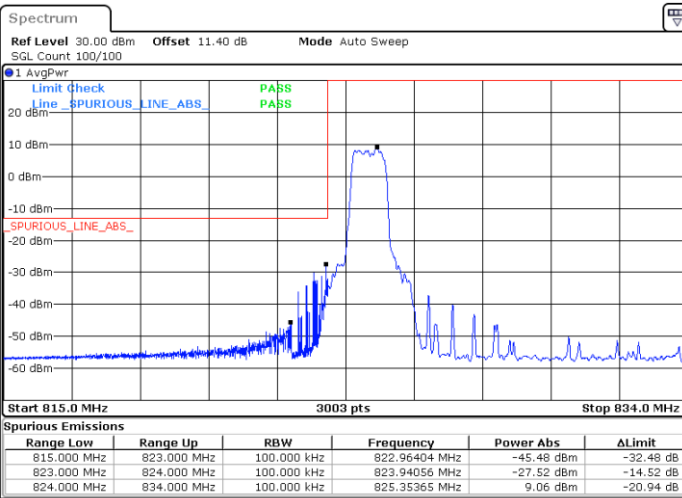
Highest Band Edge / Full RB



Date: 9.AUG.2024 17:28:04

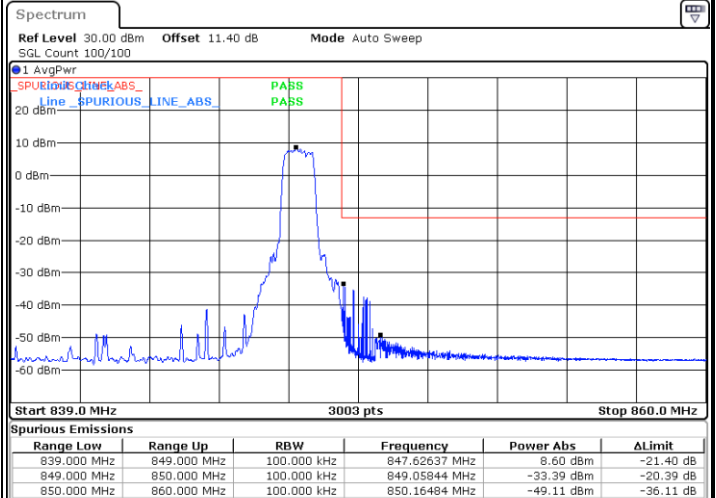
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 9.AUG.2024 17:19:50

Highest Band Edge / Full RB



Date: 9.AUG.2024 17:30:30

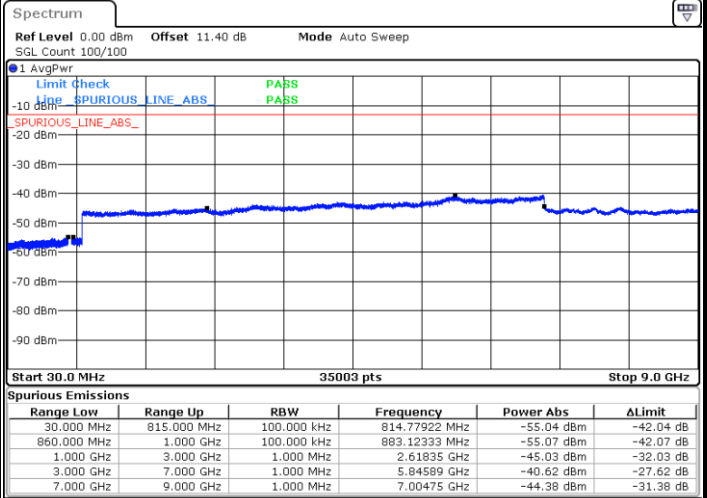
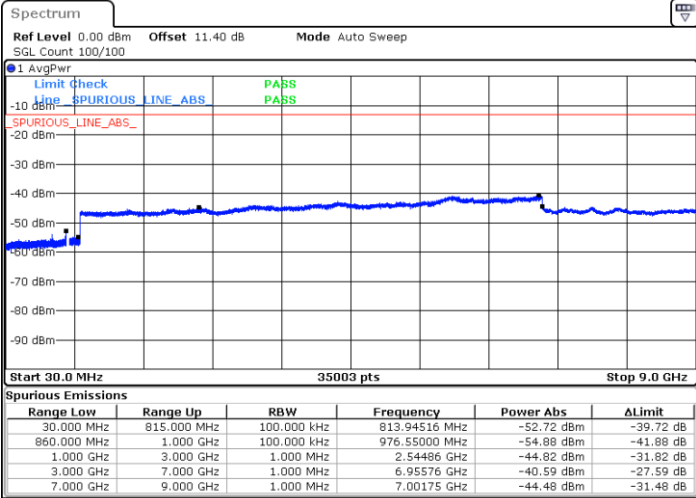


Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

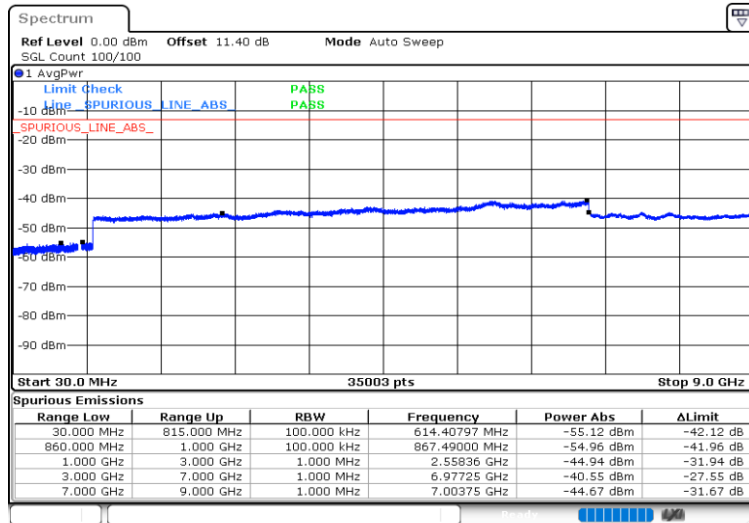
Middle Channel / QPSK



Date: 9.AUG.2024 18:11:44

Date: 9.AUG.2024 18:21:47

Highest Channel / QPSK

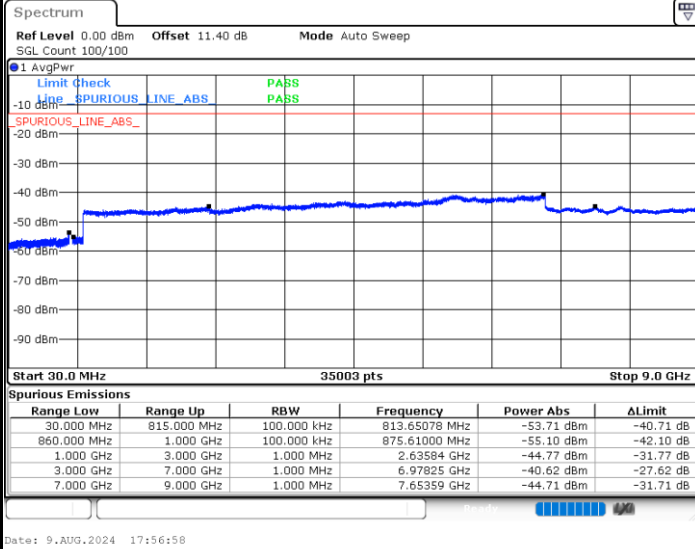


Date: 9.AUG.2024 18:30:17

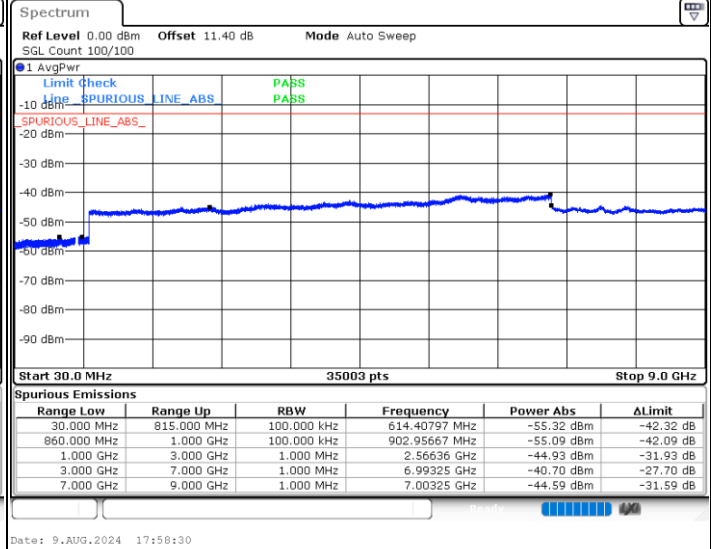


LTE Band 5 / 3MHz

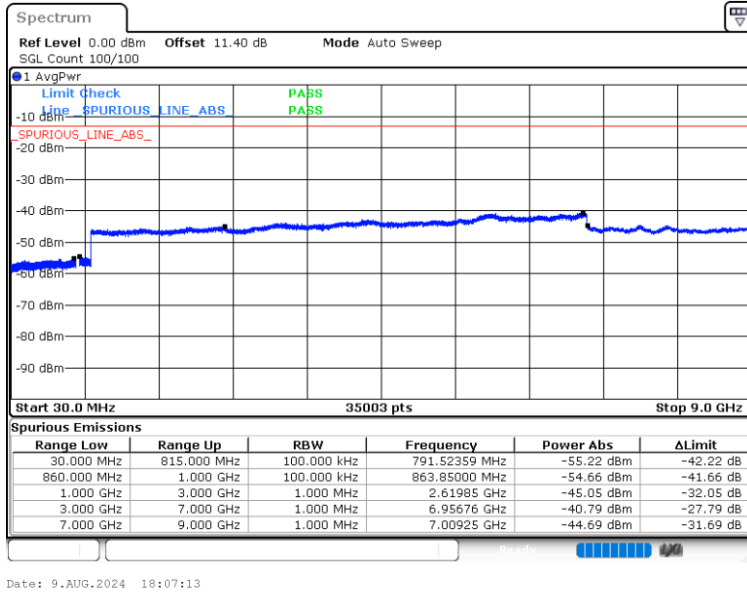
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

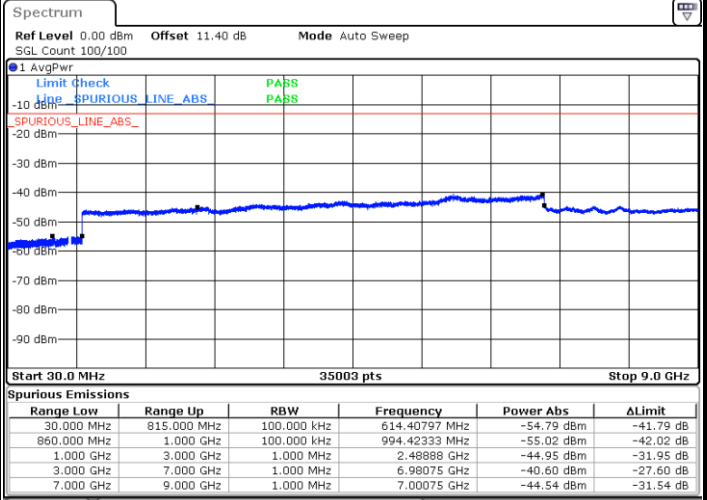
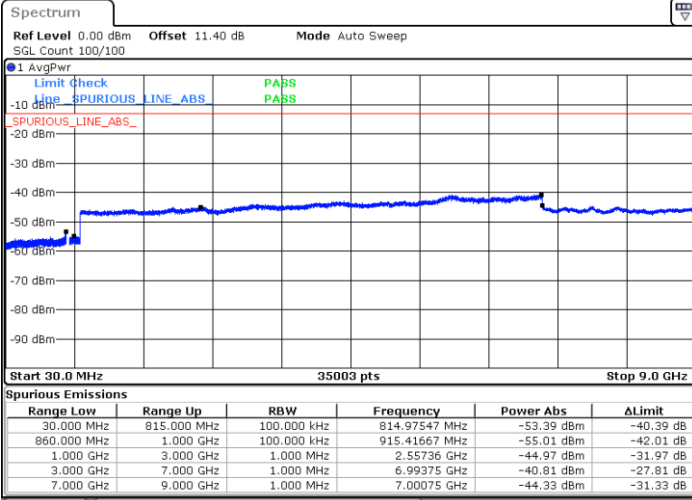




LTE Band 5 / 5MHz

Lowest Channel / QPSK

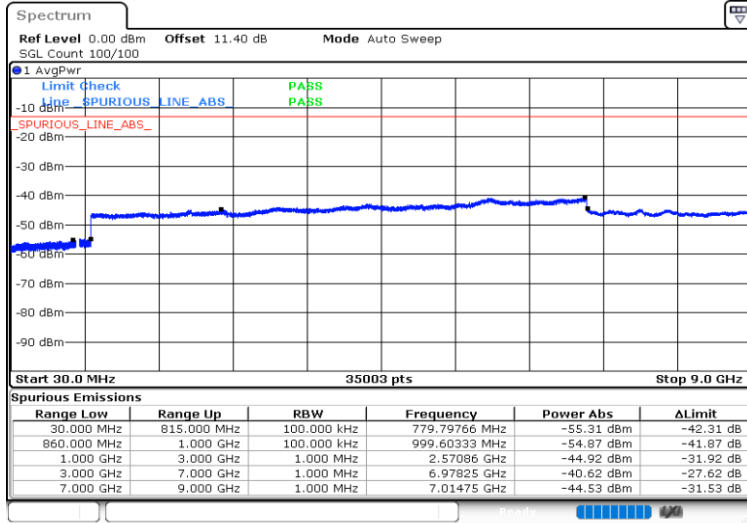
Middle Channel / QPSK



Date: 9.AUG.2024 17:35:04

Date: 9.AUG.2024 17:42:27

Highest Channel / QPSK



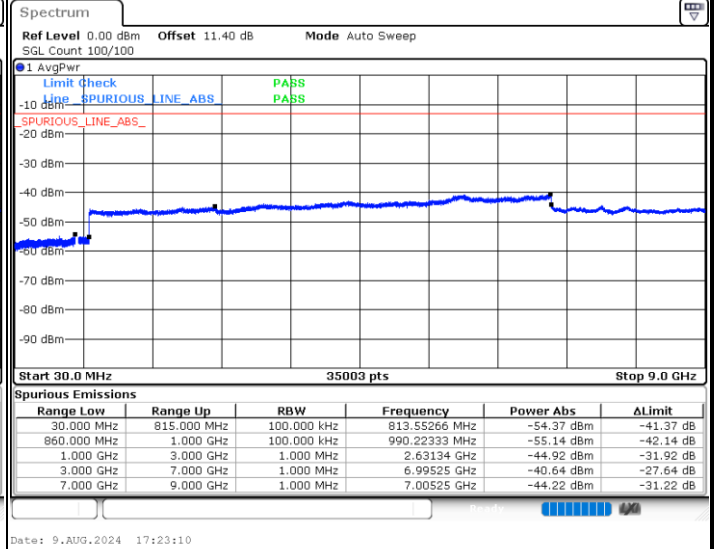
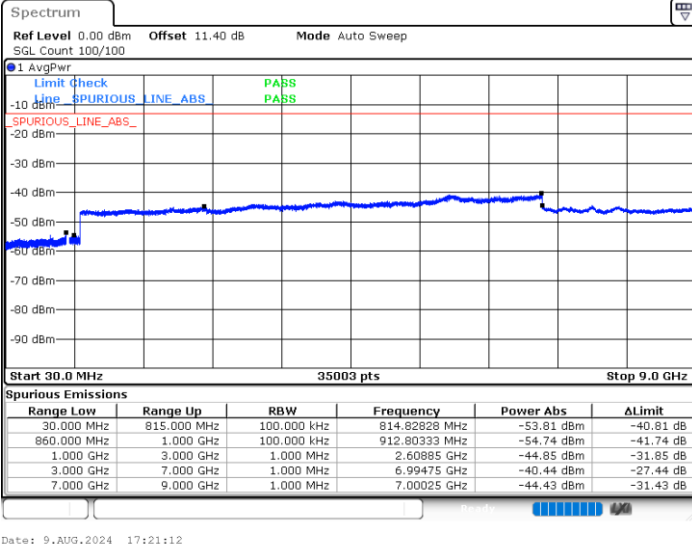
Date: 9.AUG.2024 17:45:54



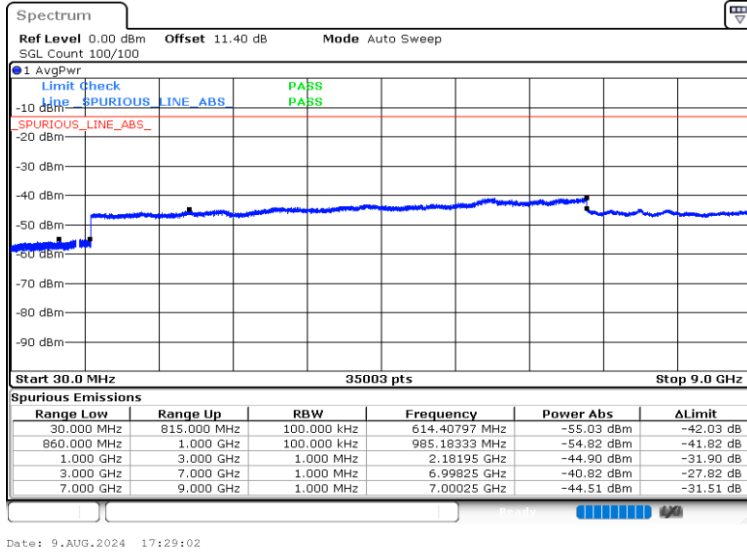
LTE Band 5 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0066	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0087	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0098	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0072	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0074	

Note: Normal Voltage = 110 V. ; Minimum Voltage = 90 V. ; Maximum Voltage = 264 V.



LTE Band 12

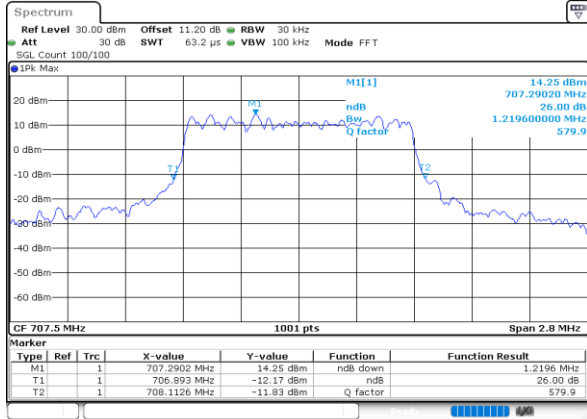
26dB Bandwidth

Mode	LTE Band 12 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.21	1.12	1.32	1.11	1.32	1.15	1.77	1.55	-	-	-	-



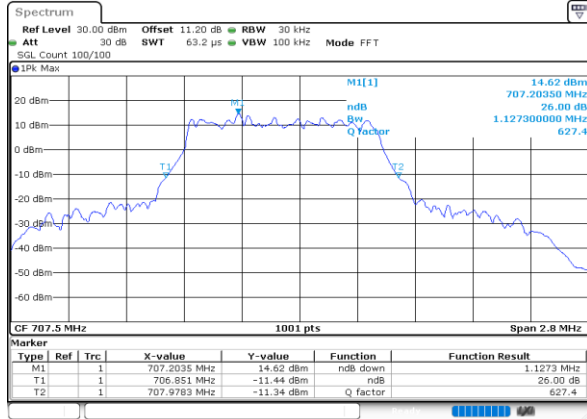
LTE Band 12

Middle Channel / 1.4MHz / QPSK



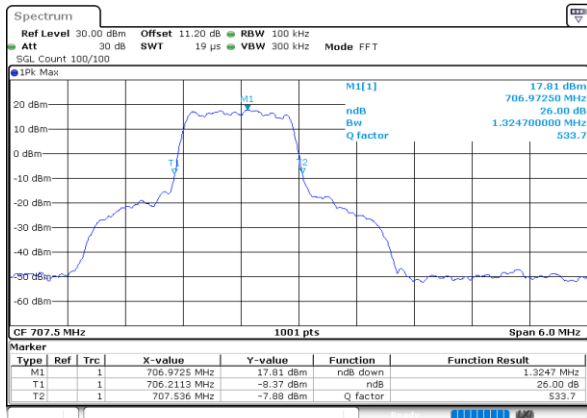
Date: 12.AUG.2024 11:05:52

Middle Channel / 1.4MHz / 16QAM



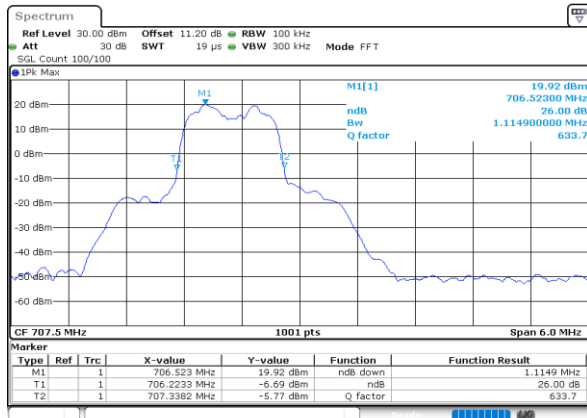
Date: 12.AUG.2024 11:10:27

Middle Channel / 3MHz / QPSK



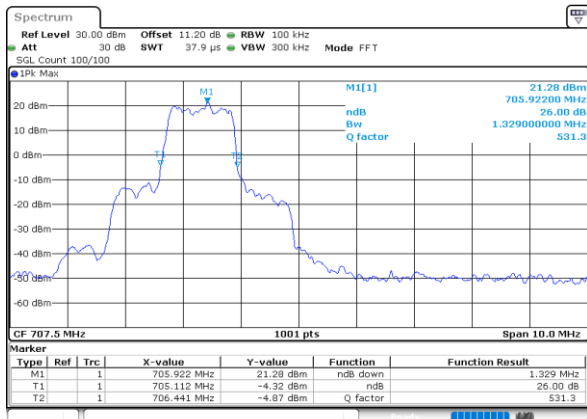
Date: 12.AUG.2024 10:47:04

Middle Channel / 3MHz / 16QAM



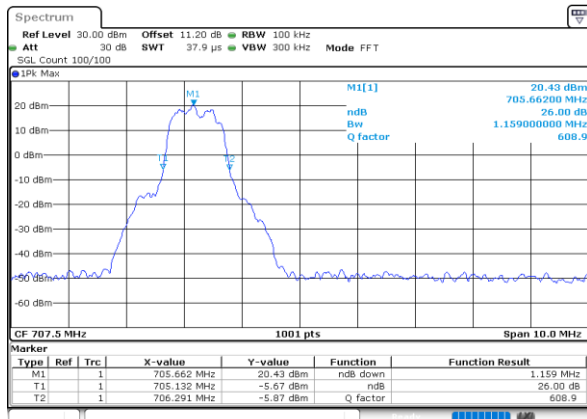
Date: 12.AUG.2024 10:45:15

Middle Channel / 5MHz / QPSK



Date: 12.AUG.2024 10:28:56

Middle Channel / 5MHz / 16QAM

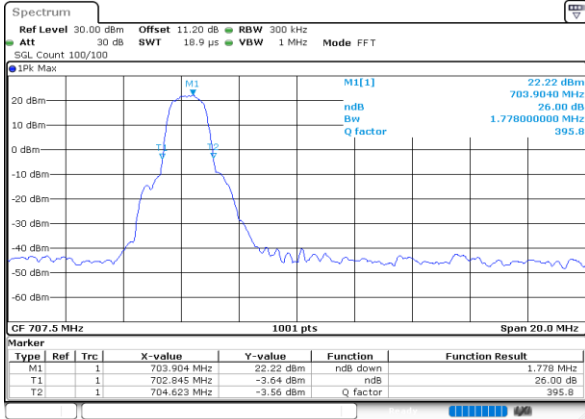


Date: 12.AUG.2024 10:30:27



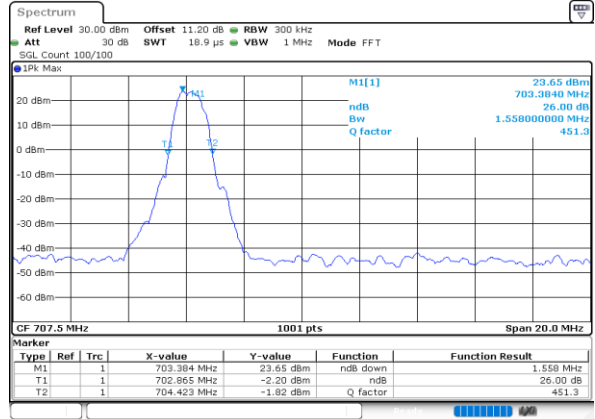
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 12.AUG.2024 10:06:46

Middle Channel / 10MHz / 16QAM



Date: 12.AUG.2024 10:04:38



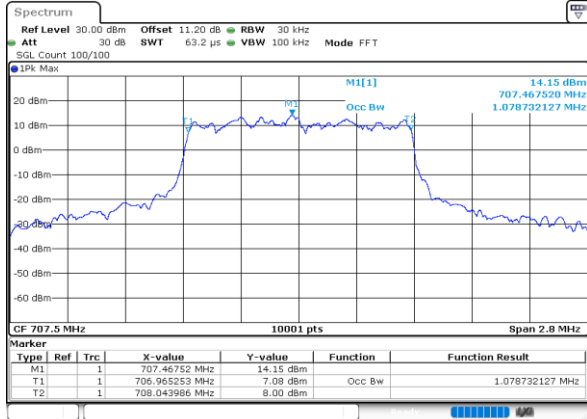
Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.07	0.91	1.14	0.97	1.14	0.98	1.43	1.28	-	-	-	-



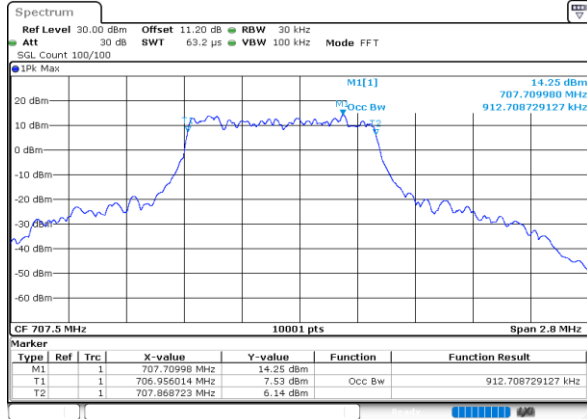
LTE Band 12

Middle Channel / 1.4MHz / QPSK



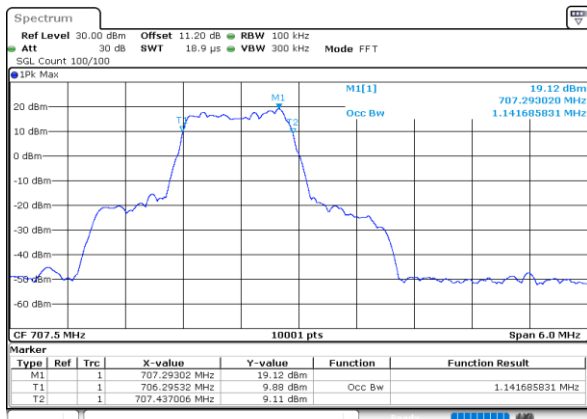
Date: 12.AUG.2024 11:05:02

Middle Channel / 1.4MHz / 16QAM



Date: 12.AUG.2024 11:07:21

Middle Channel / 3MHz / QPSK



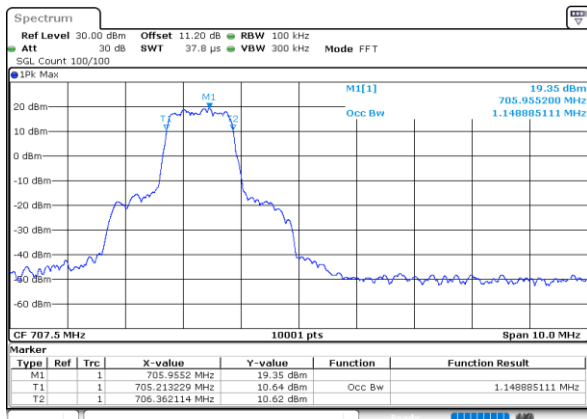
Date: 12.AUG.2024 10:45:55

Middle Channel / 3MHz / 16QAM



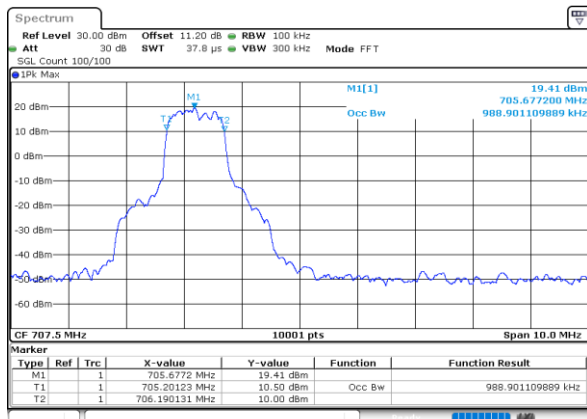
Date: 12.AUG.2024 10:44:44

Middle Channel / 5MHz / QPSK



Date: 12.AUG.2024 10:28:06

Middle Channel / 5MHz / 16QAM

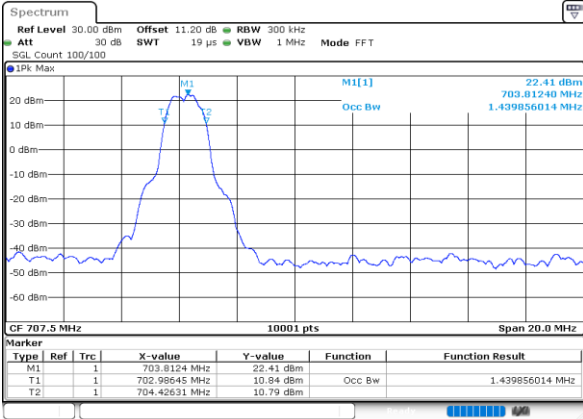


Date: 12.AUG.2024 10:29:40



LTE Band 12

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

