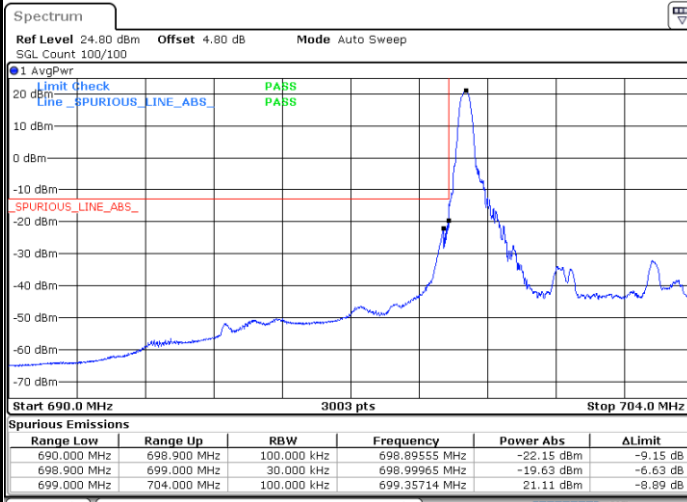




LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



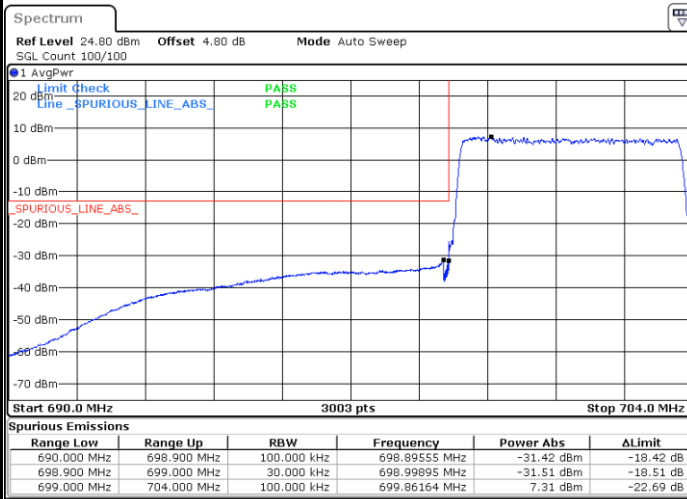
Date: 24.JUL.2024 10:02:37

Highest Band Edge / 1 RB



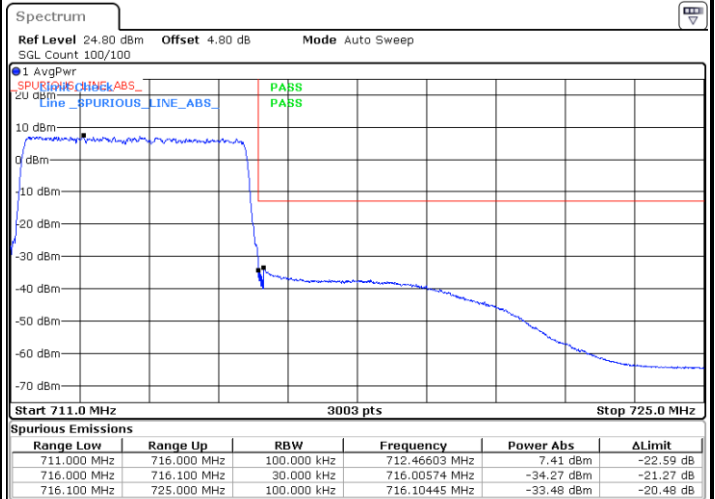
Date: 24.JUL.2024 10:15:34

Lowest Band Edge / Full RB



Date: 24.JUL.2024 10:08:05

Highest Band Edge / Full RB

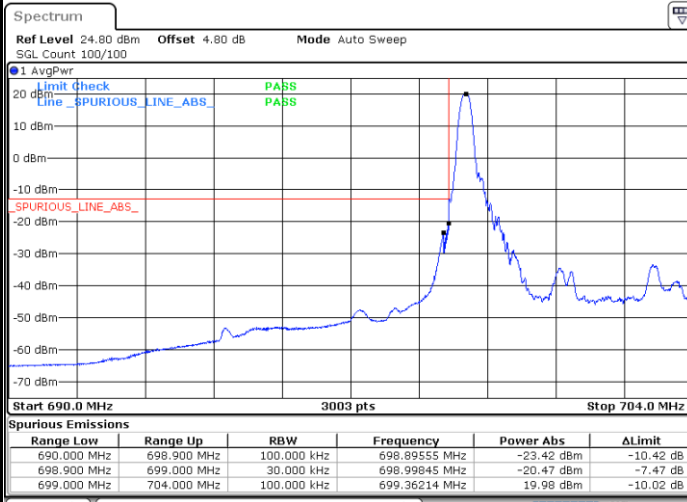


Date: 24.JUL.2024 10:21:02



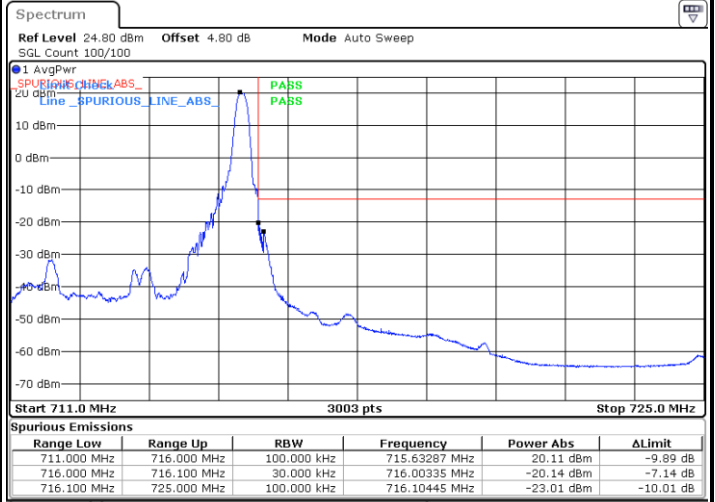
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



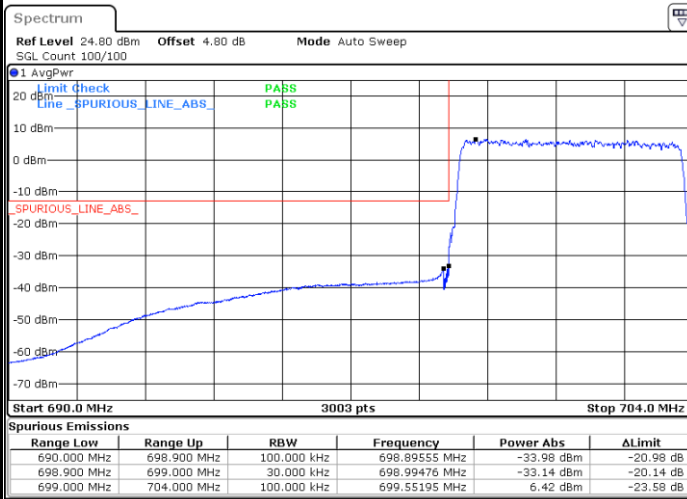
Date: 24.JUL.2024 10:03:42

Highest Band Edge / 1 RB



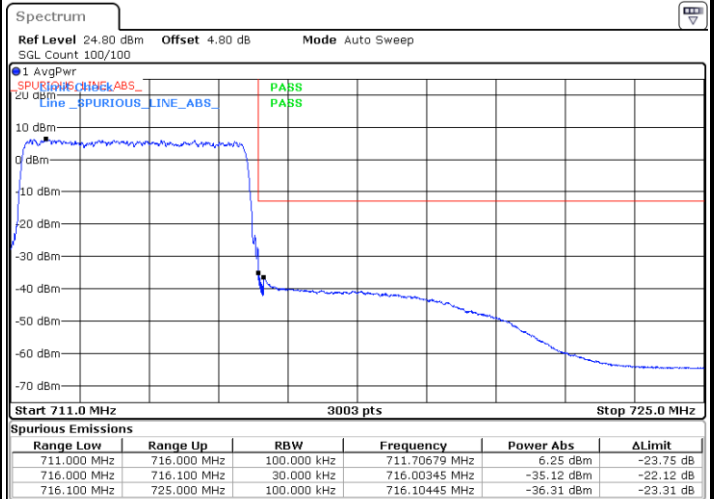
Date: 24.JUL.2024 10:16:39

Lowest Band Edge / Full RB



Date: 24.JUL.2024 10:07:00

Highest Band Edge / Full RB

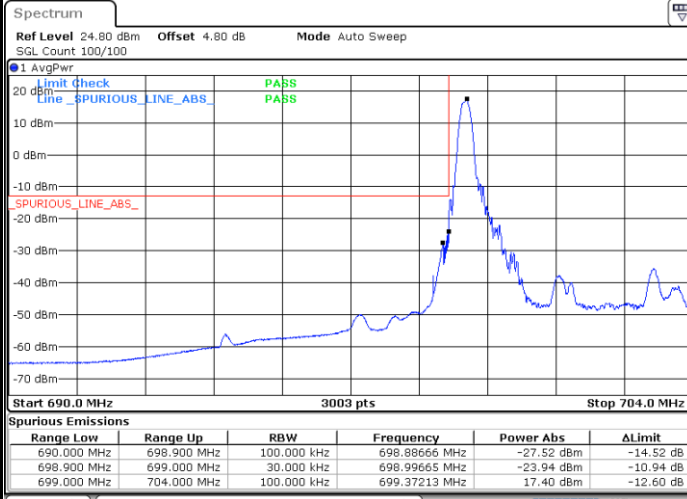


Date: 24.JUL.2024 10:19:57



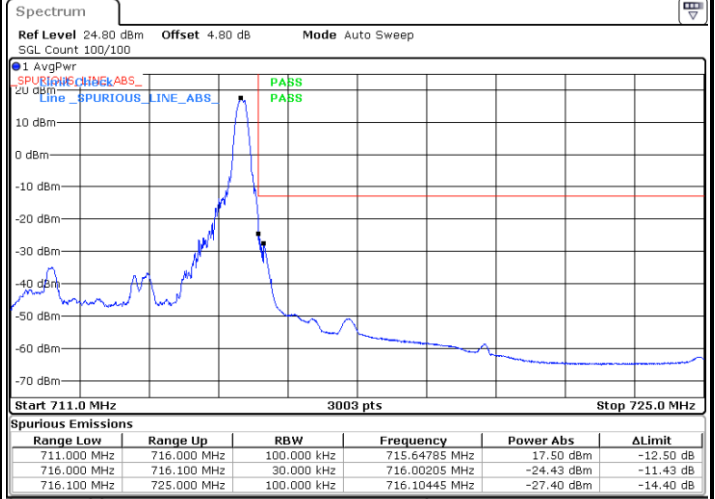
LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / 1RB



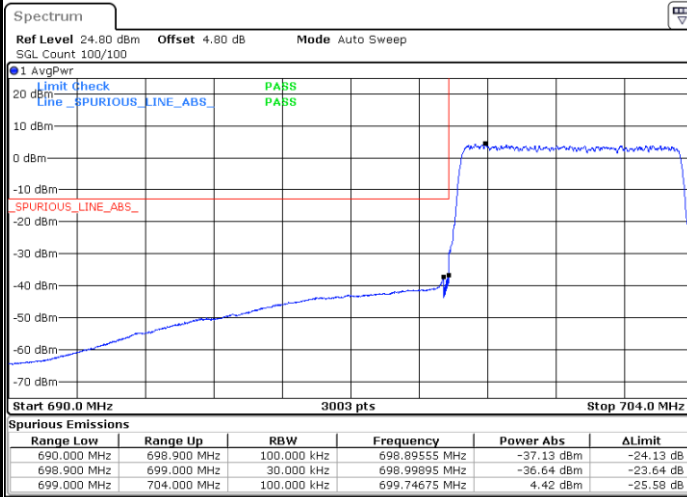
Date: 24.JUL.2024 10:04:47

Highest Band Edge / 1 RB



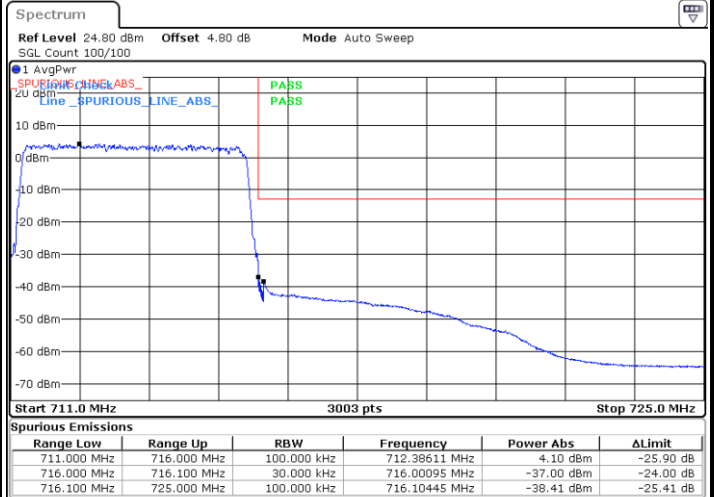
Date: 24.JUL.2024 10:17:44

Lowest Band Edge / Full RB



Date: 24.JUL.2024 10:57:39

Highest Band Edge / Full RB



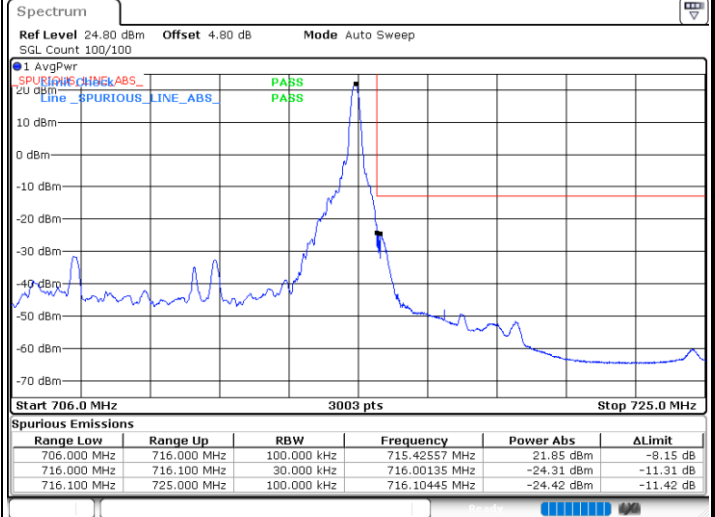
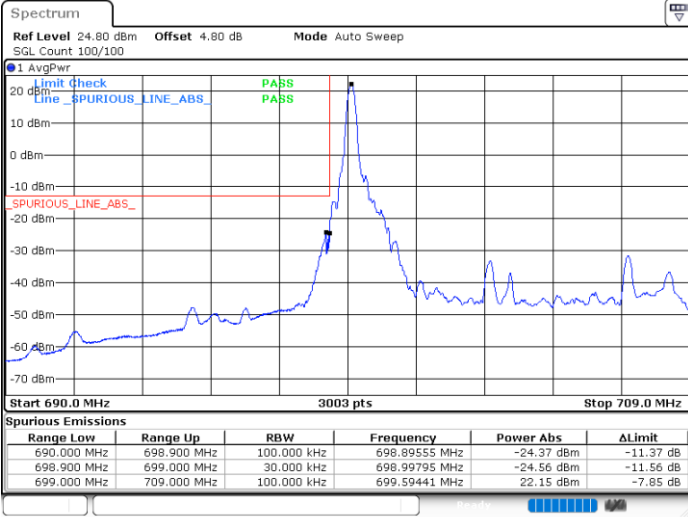
Date: 24.JUL.2024 10:58:44



LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

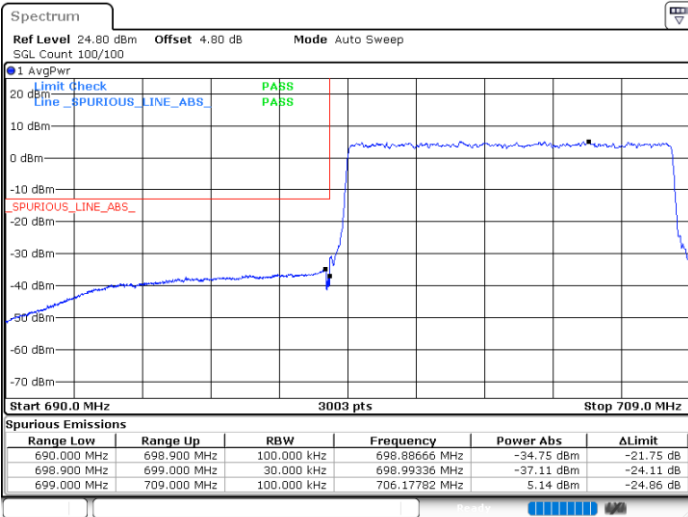


Date: 24.JUL.2024 10:24:41

Date: 24.JUL.2024 10:37:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



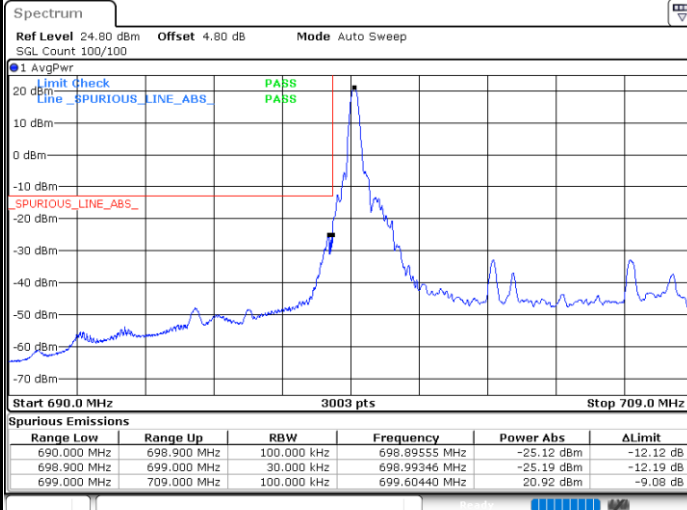
Date: 24.JUL.2024 10:32:22

Date: 24.JUL.2024 10:45:18



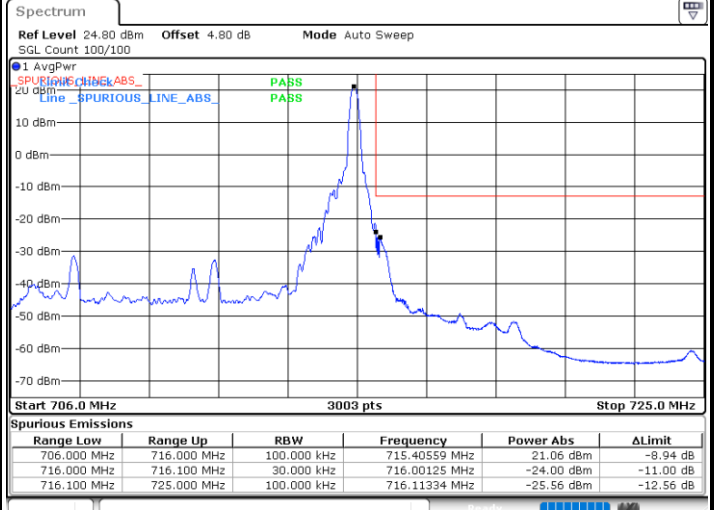
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



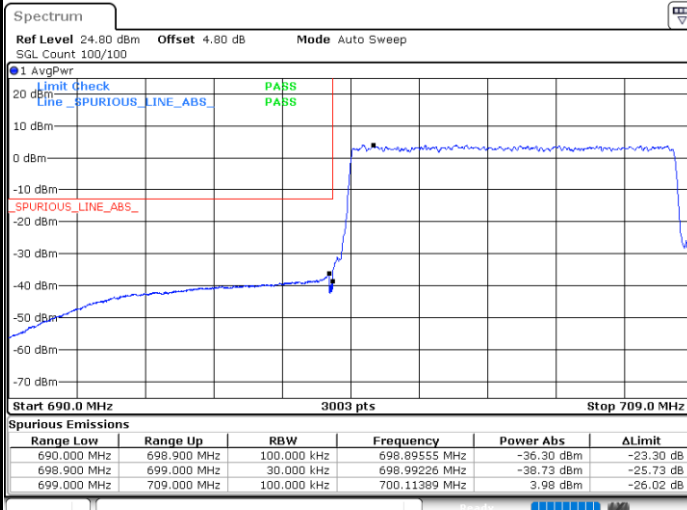
Date: 24.JUL.2024 10:25:49

Highest Band Edge / 1 RB



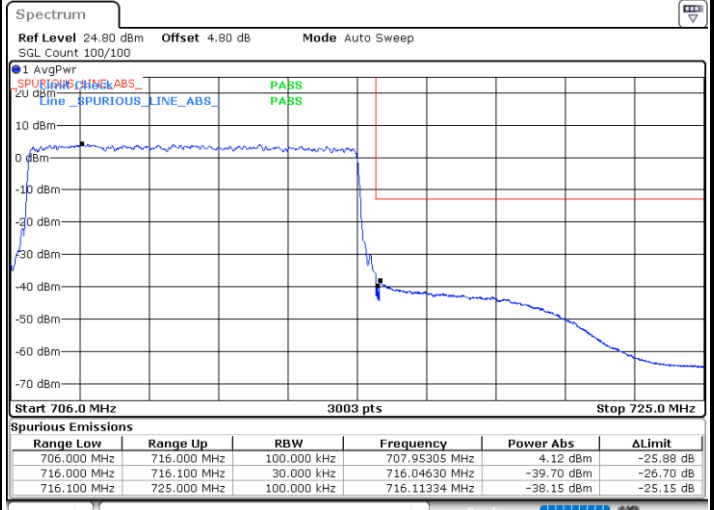
Date: 24.JUL.2024 10:38:45

Lowest Band Edge / Full RB



Date: 24.JUL.2024 10:31:17

Highest Band Edge / Full RB

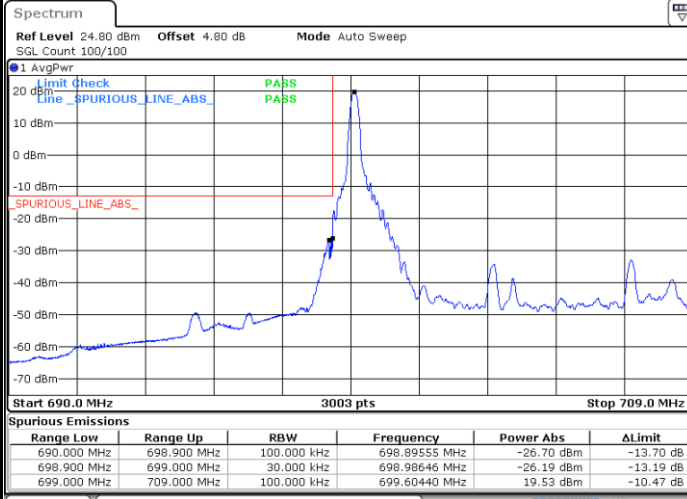


Date: 24.JUL.2024 10:44:13



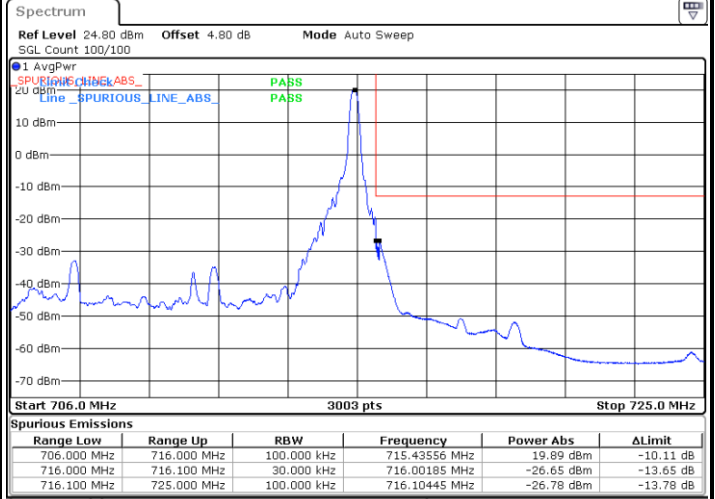
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



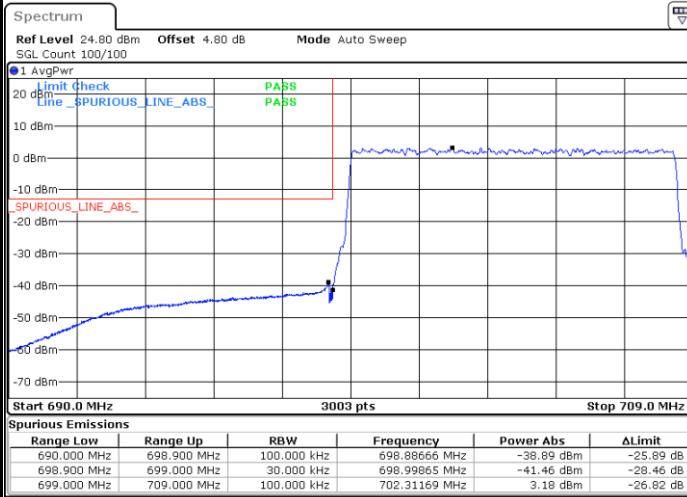
Date: 24.JUL.2024 10:26:54

Highest Band Edge / 1 RB



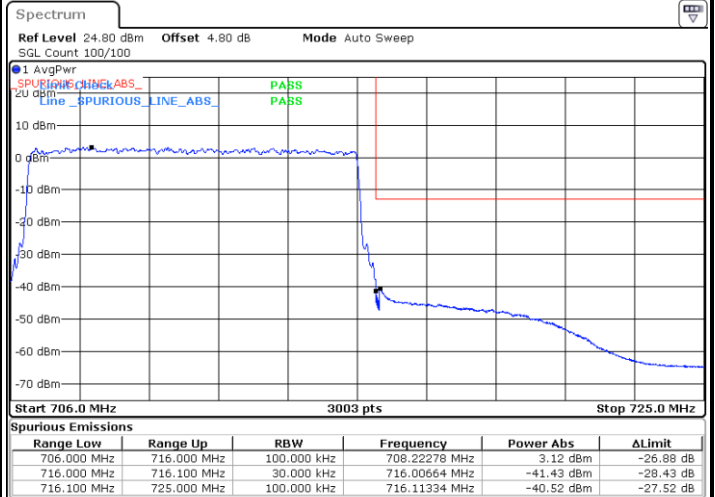
Date: 24.JUL.2024 10:39:50

Lowest Band Edge / Full RB



Date: 24.JUL.2024 10:30:12

Highest Band Edge / Full RB



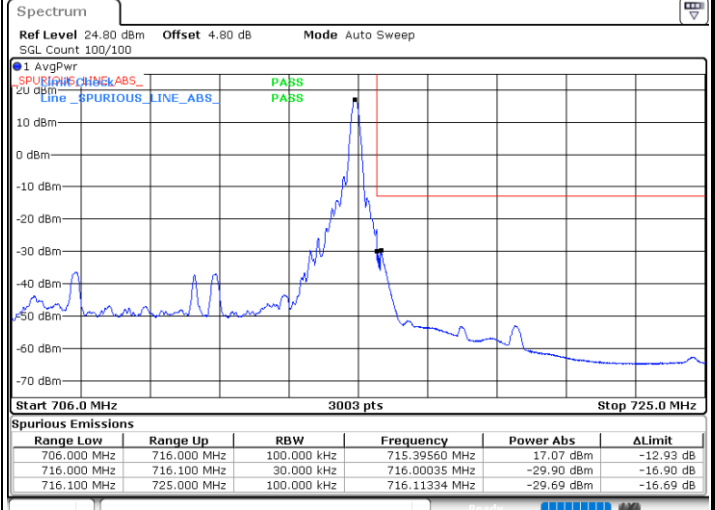
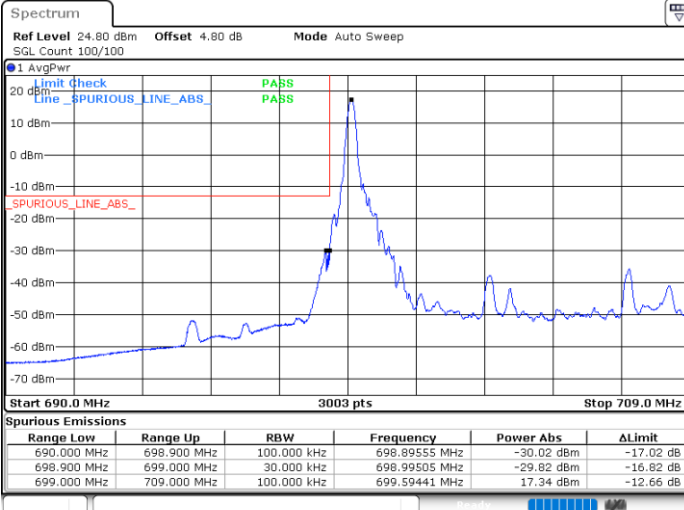
Date: 24.JUL.2024 10:43:08



LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

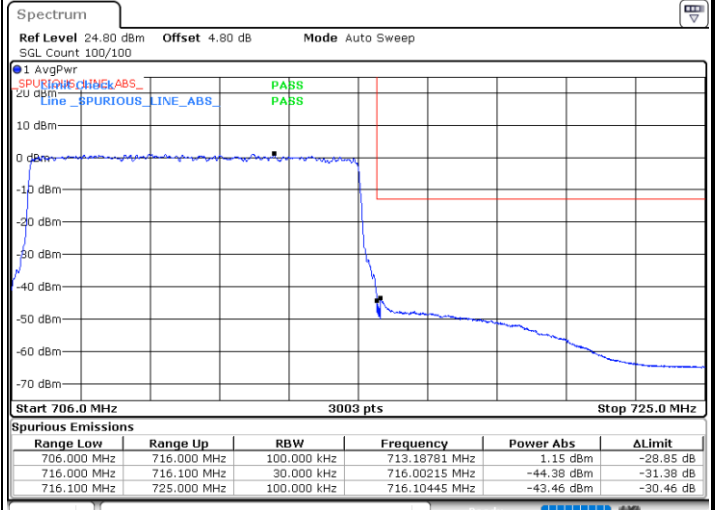
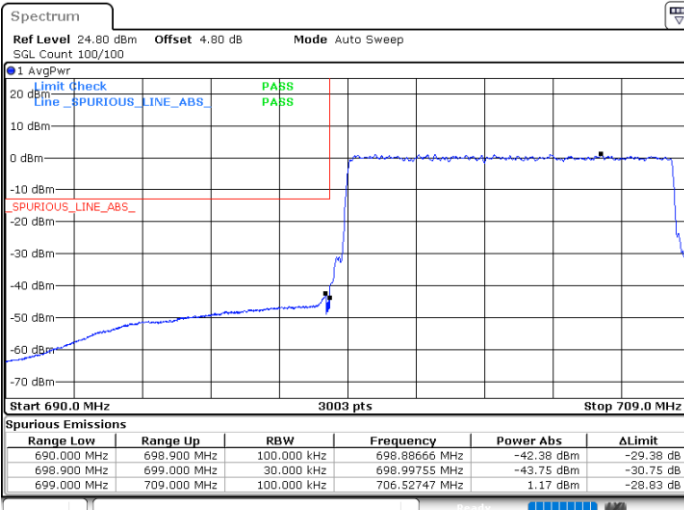


Date: 24.JUL.2024 10:27:59

Date: 24.JUL.2024 10:40:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

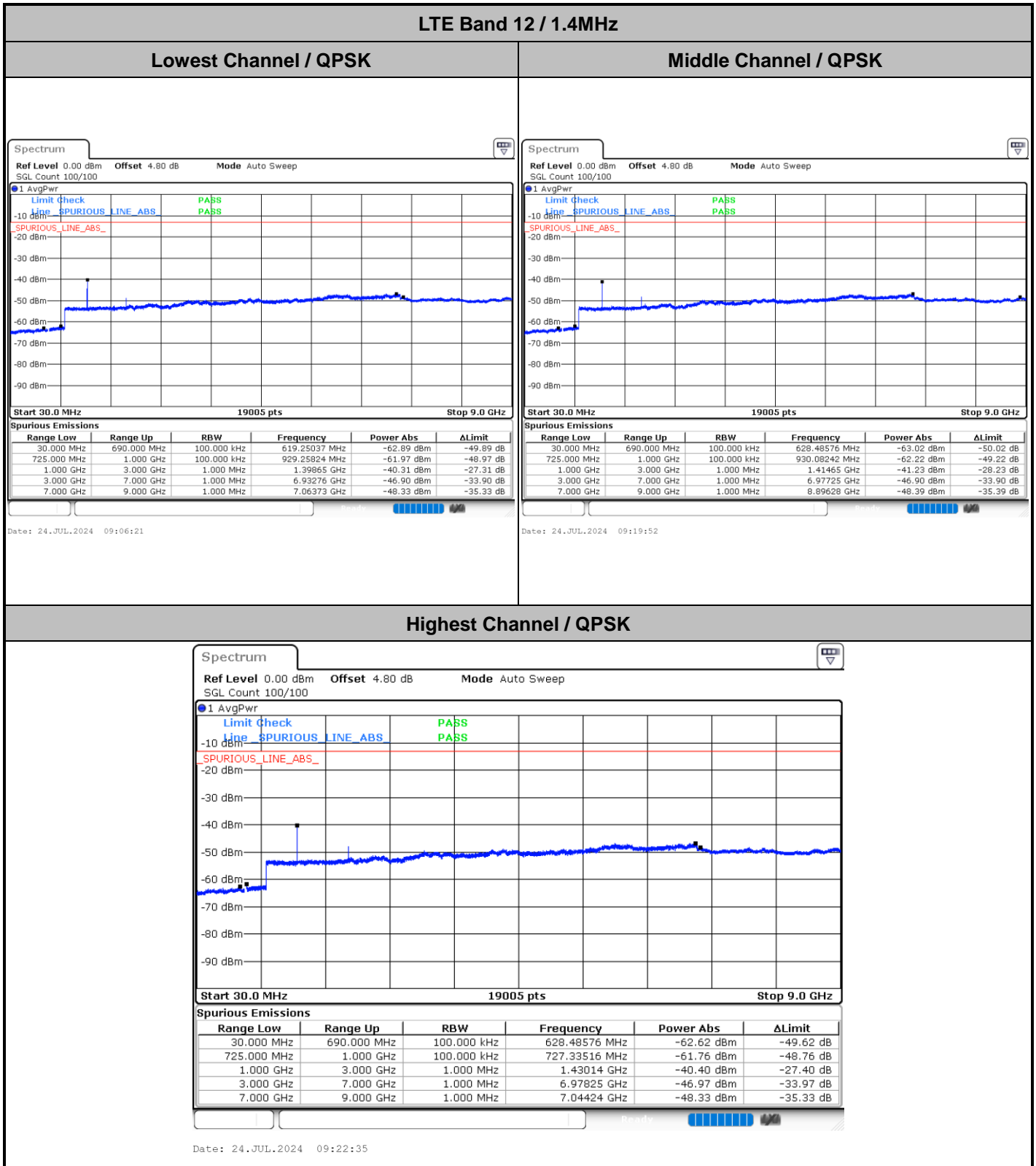


Date: 24.JUL.2024 11:00:53

Date: 24.JUL.2024 11:02:07



Conducted Spurious Emission

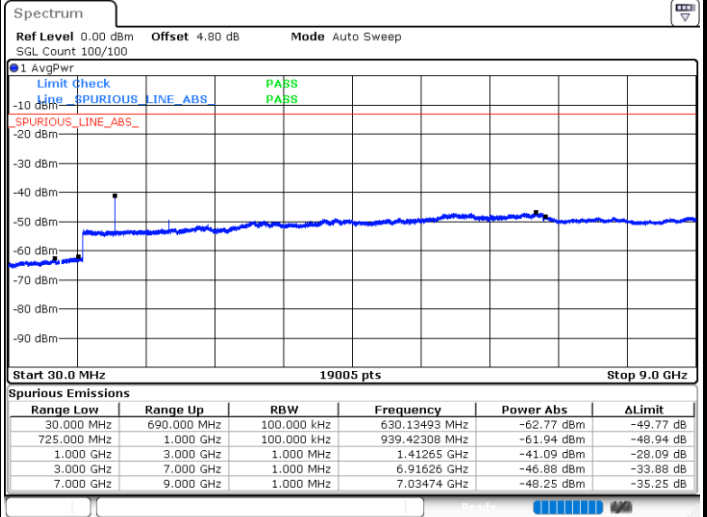
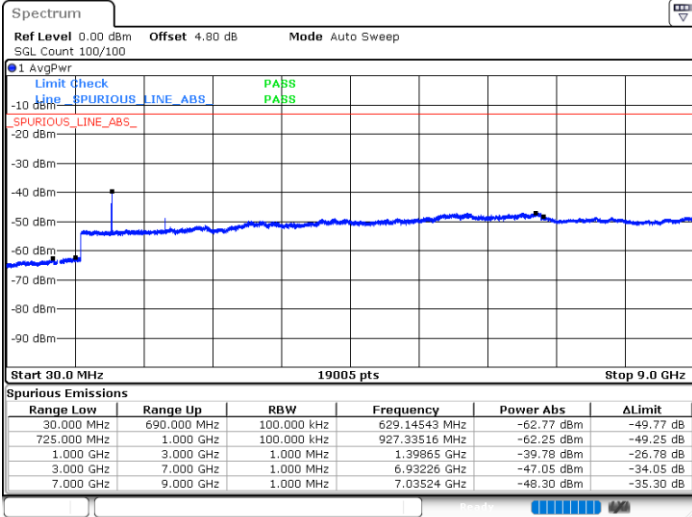




LTE Band 12 / 3MHz

Lowest Channel / QPSK

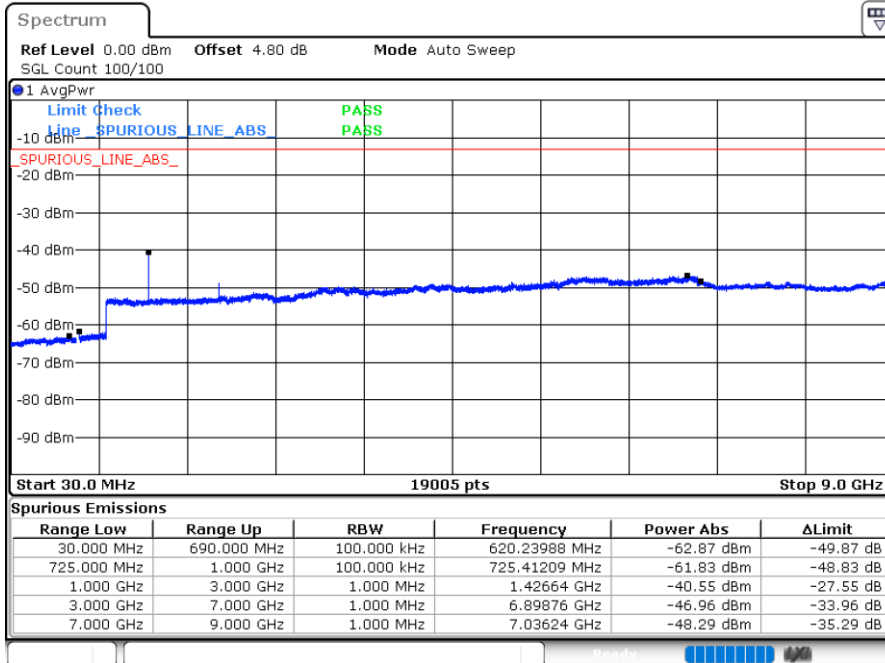
Middle Channel / QPSK



Date: 24.JUL.2024 09:35:53

Date: 24.JUL.2024 09:46:06

Highest Channel / QPSK



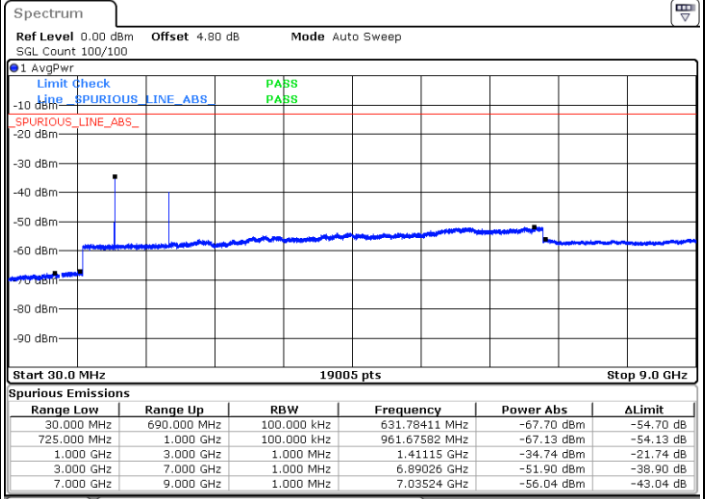
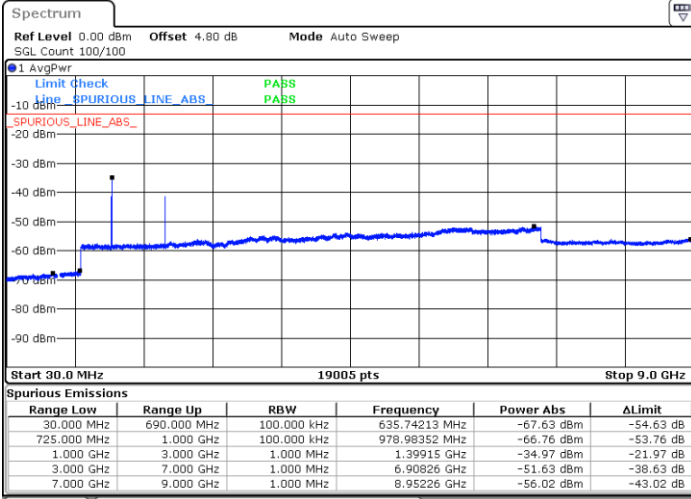
Date: 24.JUL.2024 09:48:49



LTE Band 12 / 5MHz

Lowest Channel / QPSK

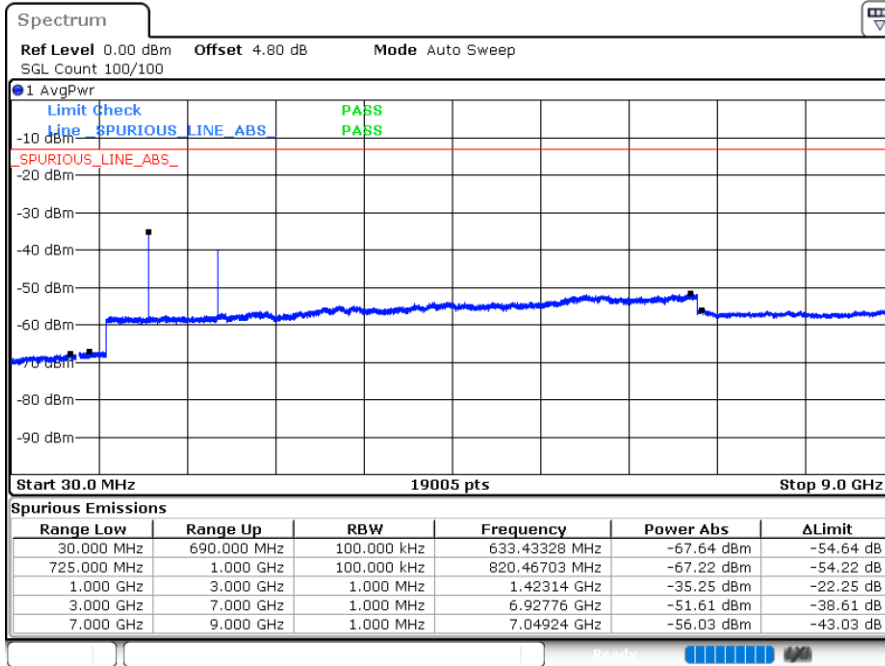
Middle Channel / QPSK



Date: 24.JUL.2024 10:00:21

Date: 24.JUL.2024 10:10:34

Highest Channel / QPSK



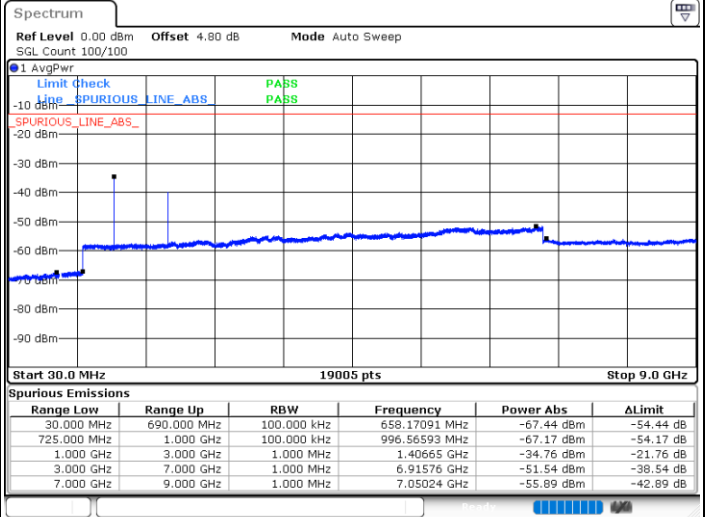
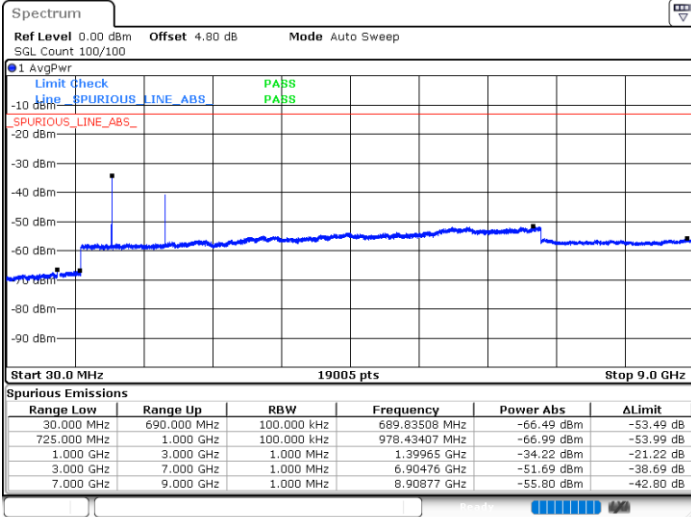
Date: 24.JUL.2024 10:13:18



LTE Band 12 / 10MHz

Lowest Channel / QPSK

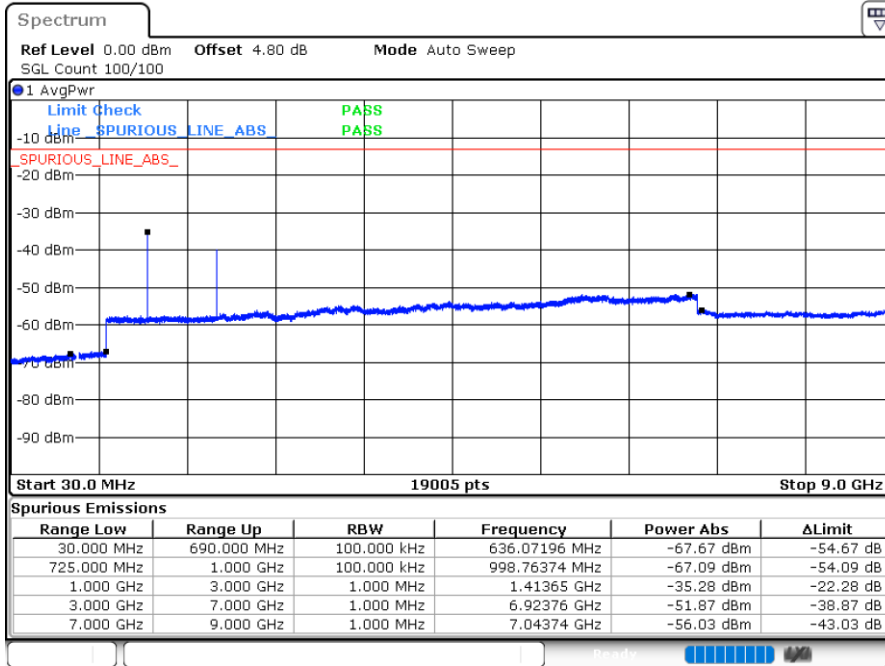
Middle Channel / QPSK



Date: 24.JUL.2024 10:23:33

Date: 24.JUL.2024 10:33:46

Highest Channel / QPSK



Date: 24.JUL.2024 10:36:29



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	0.0028	PASS
40	Normal Voltage	0.0041	
30	Normal Voltage	0.0057	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0024	

Note:

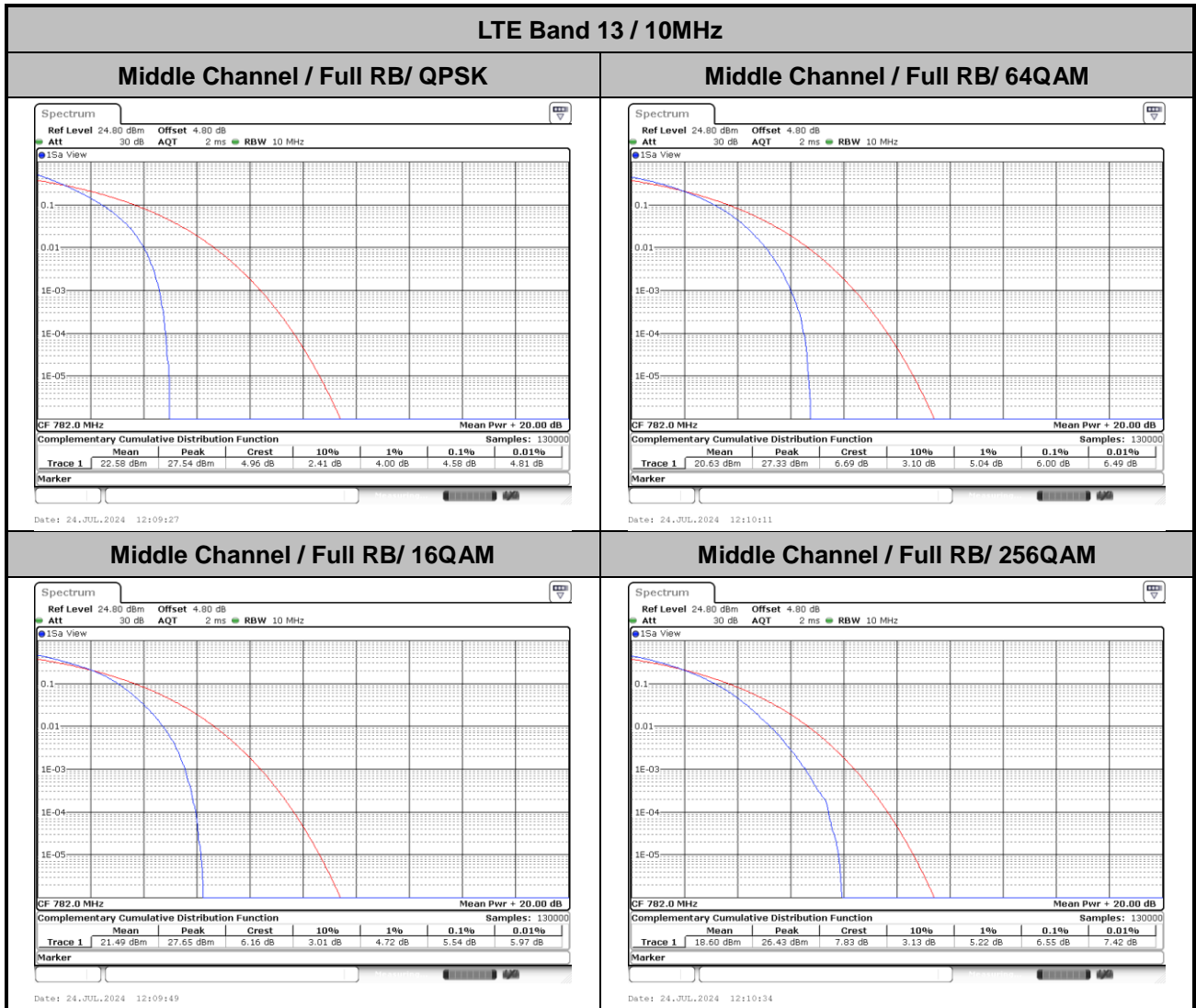
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

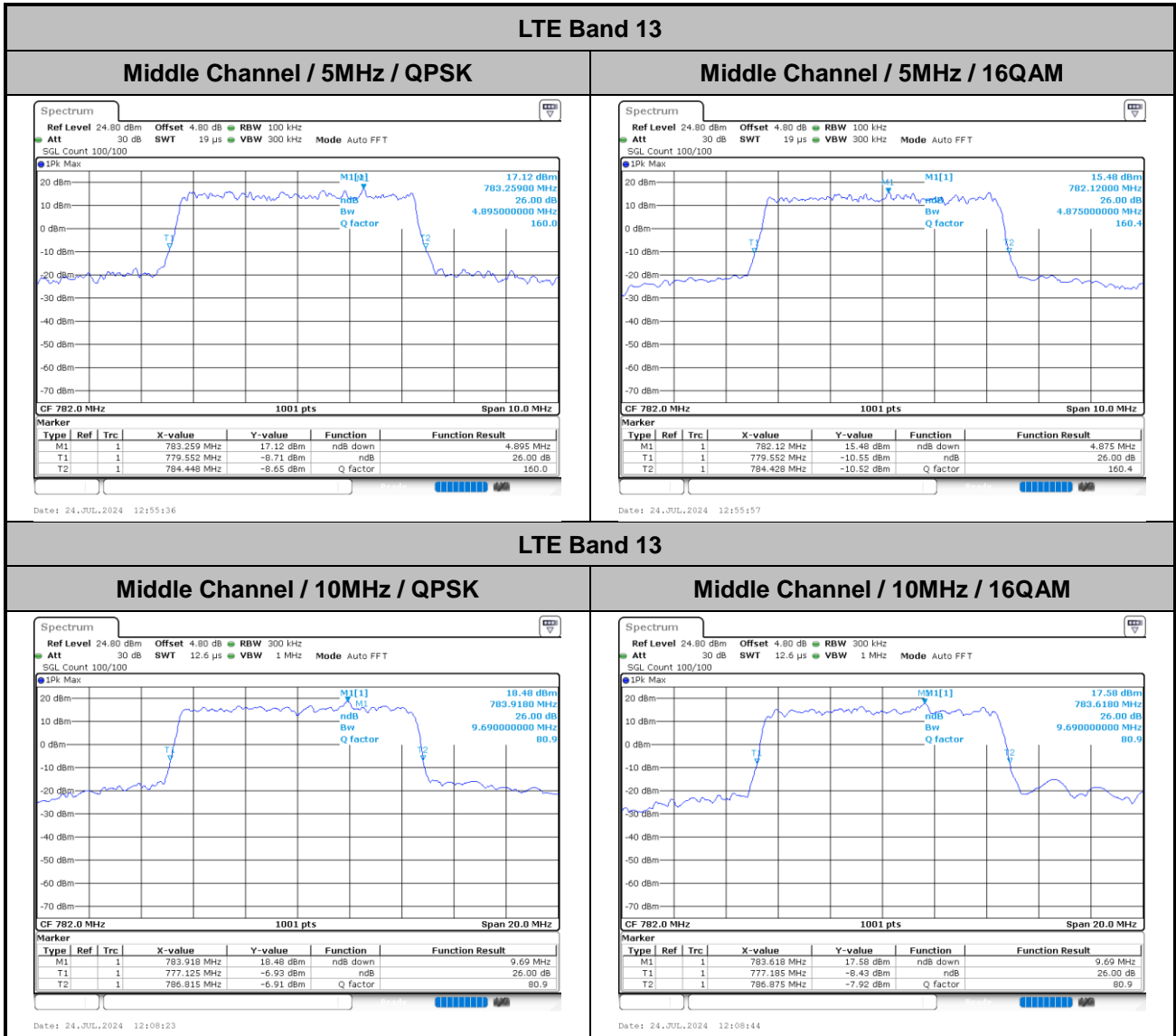
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.58	5.54	6.00	6.55	PASS





26dB Bandwidth

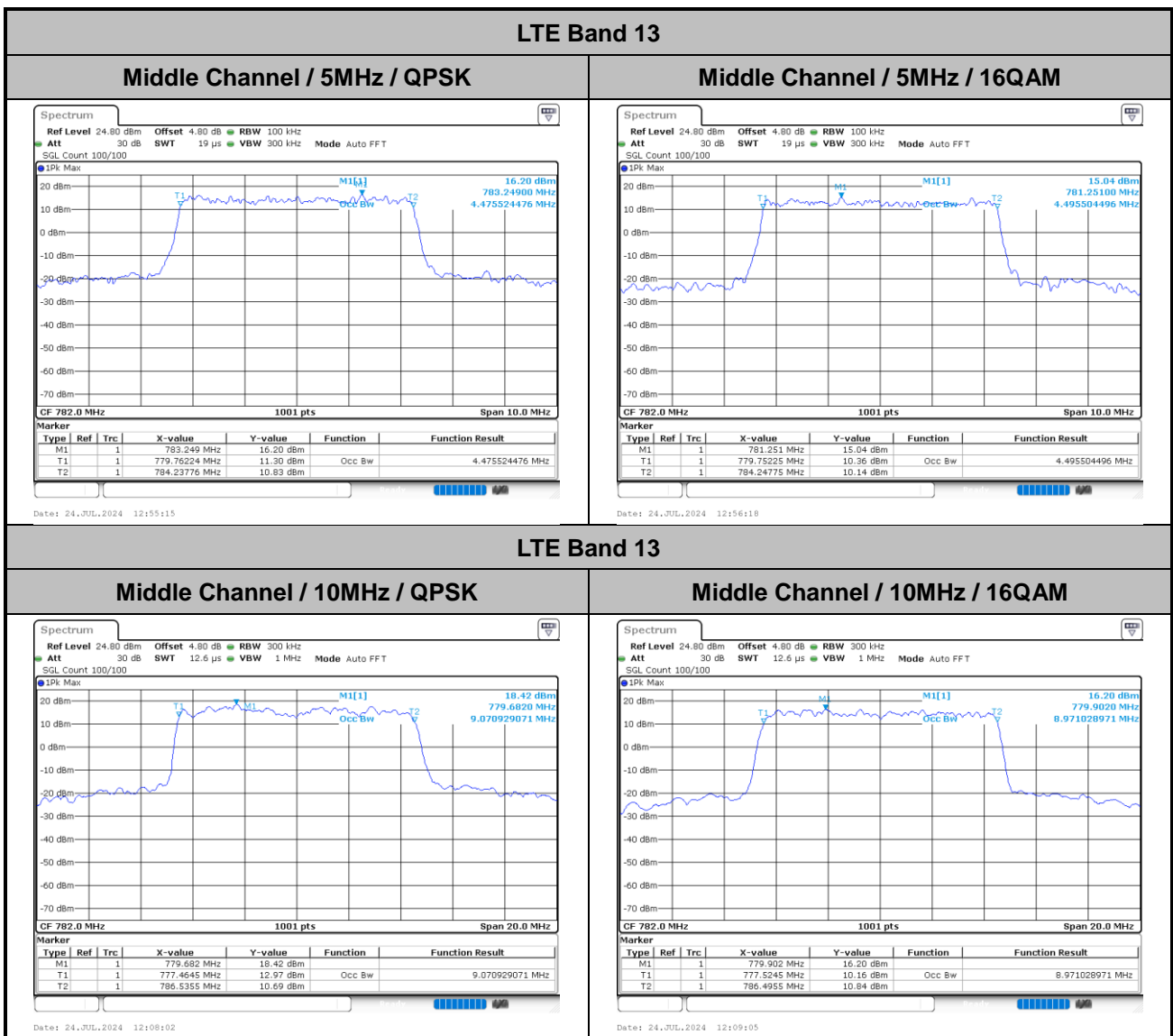
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.90	4.88
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.69	9.69





Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.48	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.07	8.97

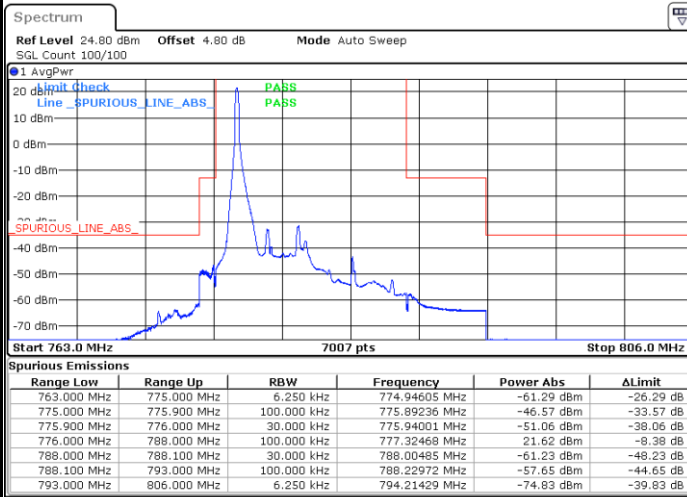




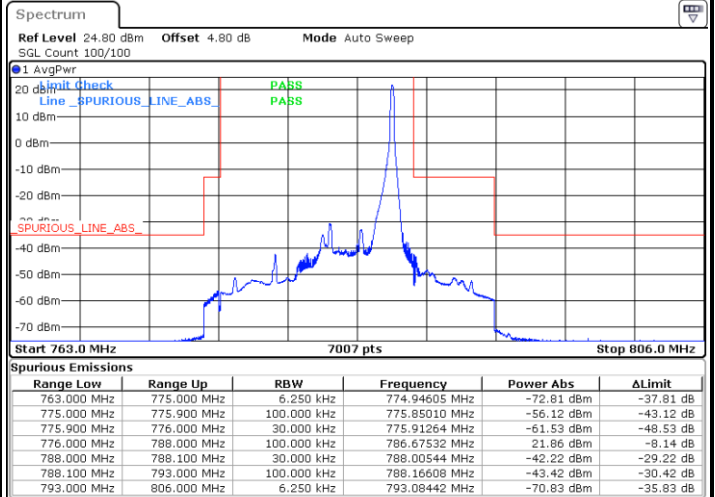
Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

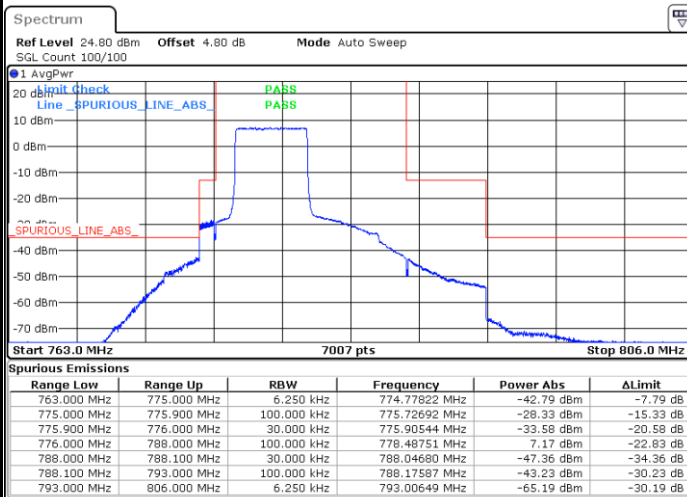
Lowest Band Edge / 1 RB



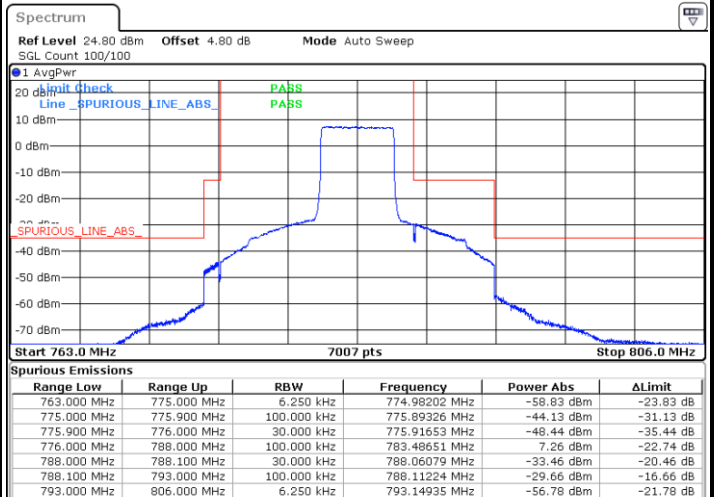
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

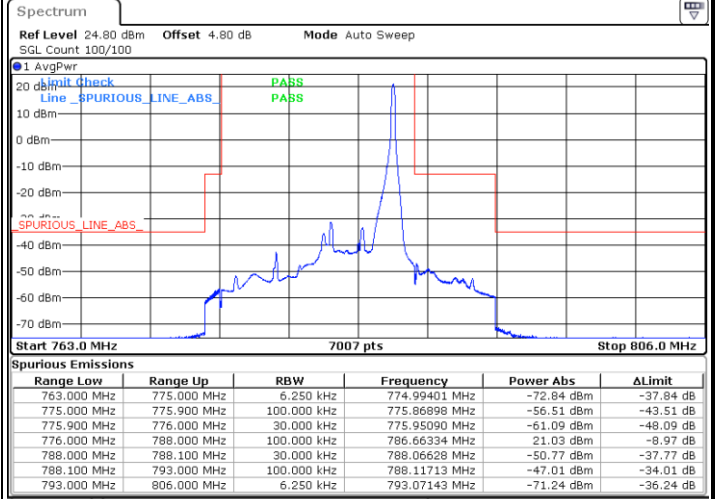
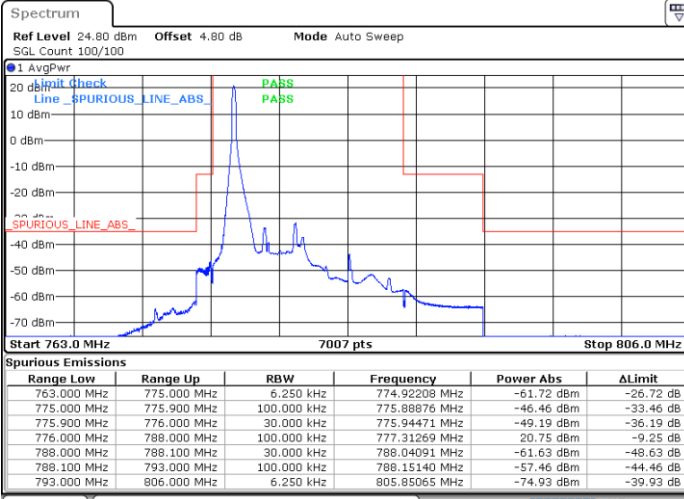




LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

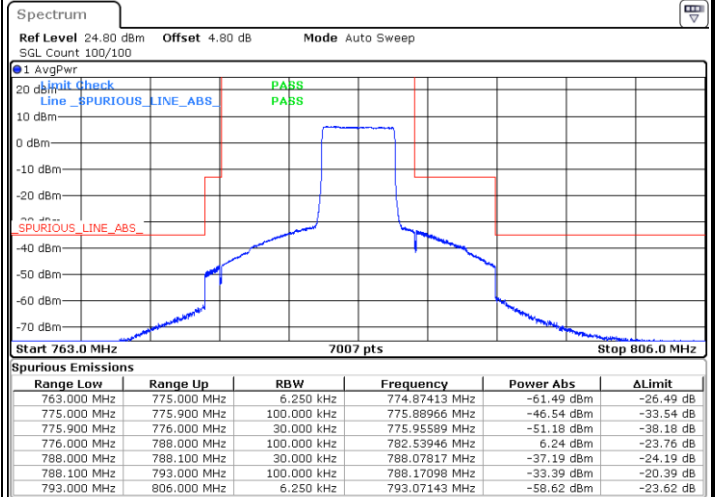
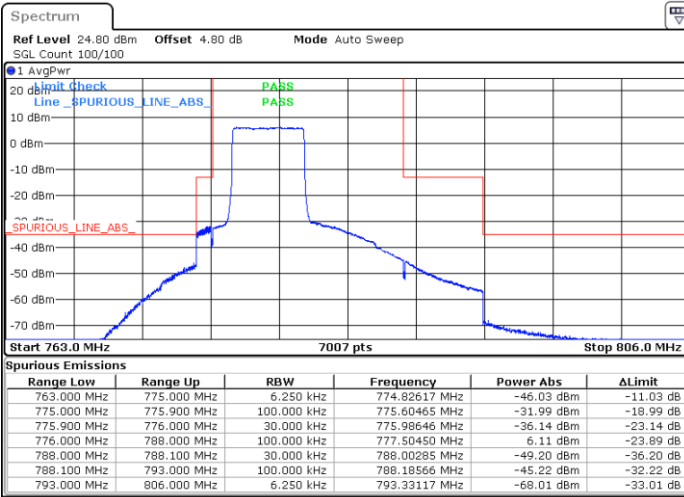


Date: 24.JUL.2024 11:13:00

Date: 24.JUL.2024 11:33:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.JUL.2024 11:20:20

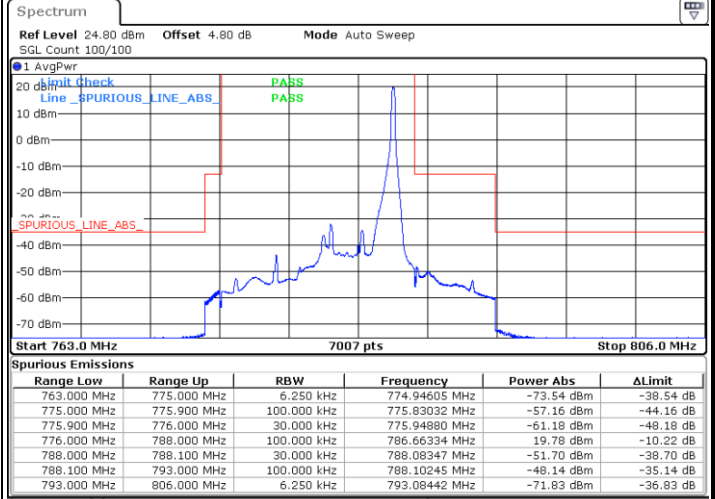
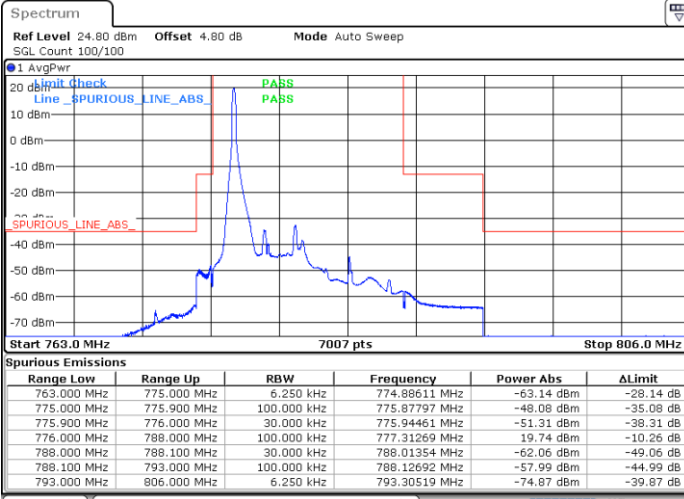
Date: 24.JUL.2024 11:40:41



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

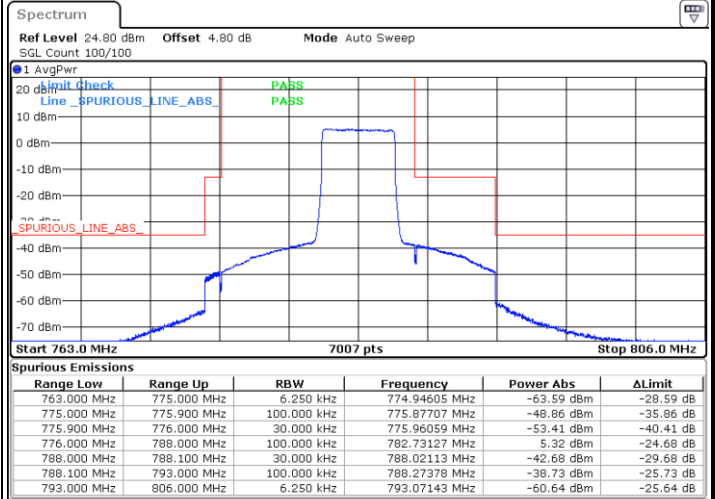
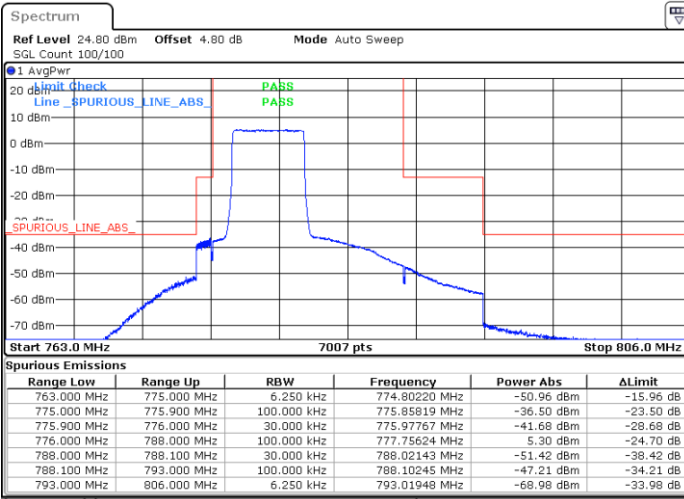


Date: 24.JUL.2024 11:14:50

Date: 24.JUL.2024 11:35:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.JUL.2024 11:22:10

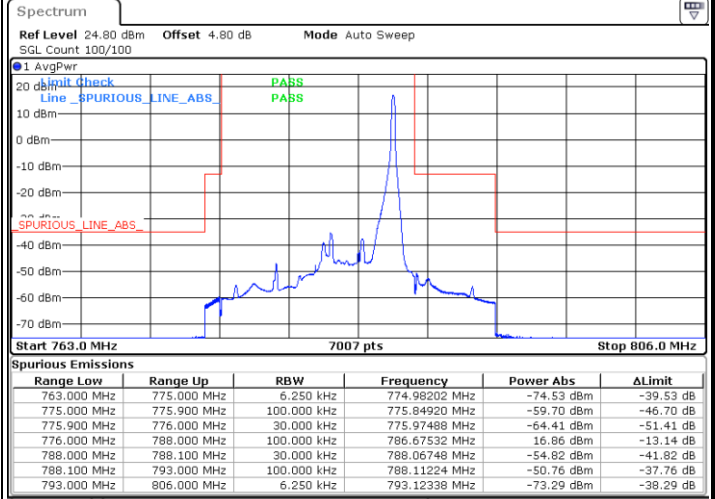
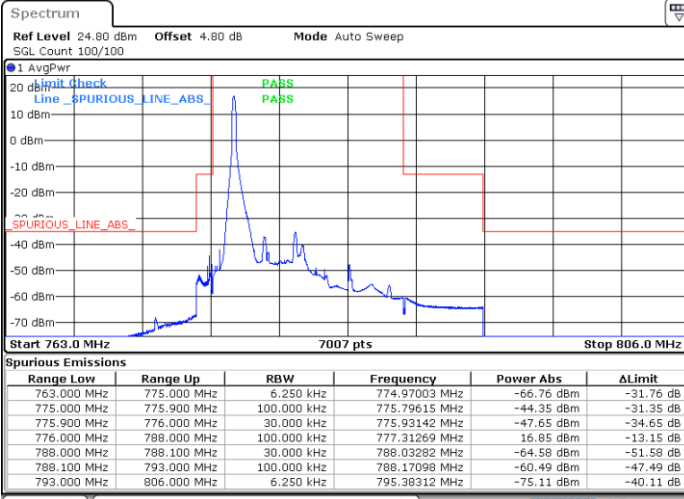
Date: 24.JUL.2024 11:42:30



LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

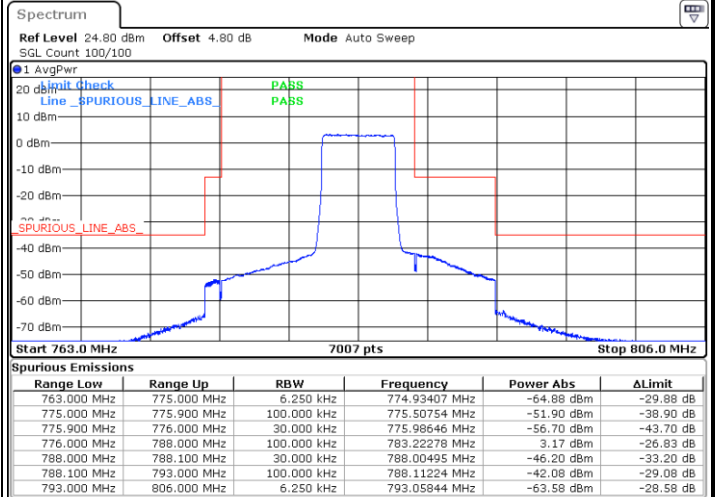
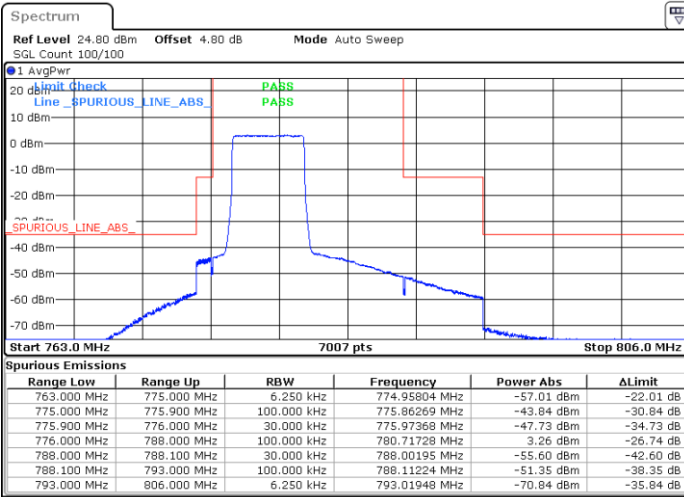


Date: 24.JUL.2024 11:16:40

Date: 24.JUL.2024 11:36:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.JUL.2024 11:24:00

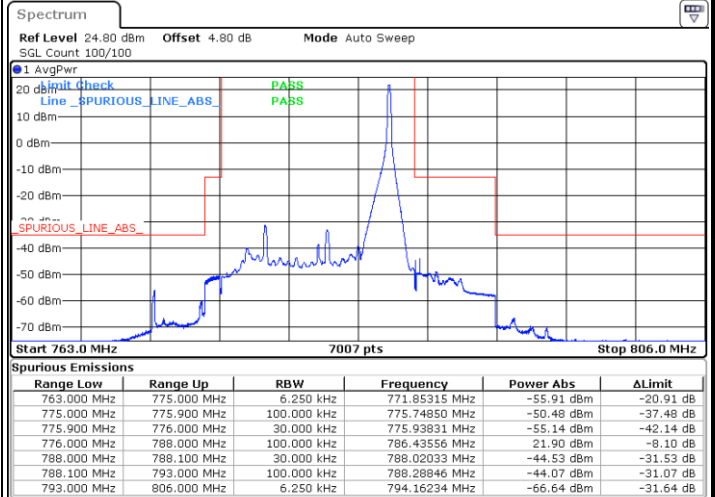
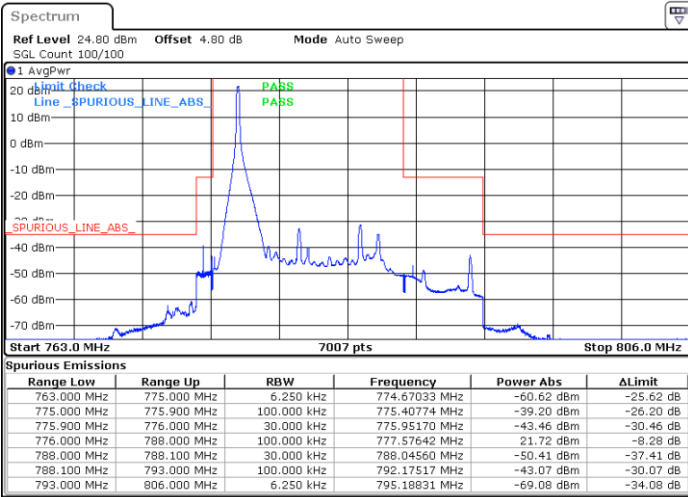
Date: 24.JUL.2024 11:44:21



LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB

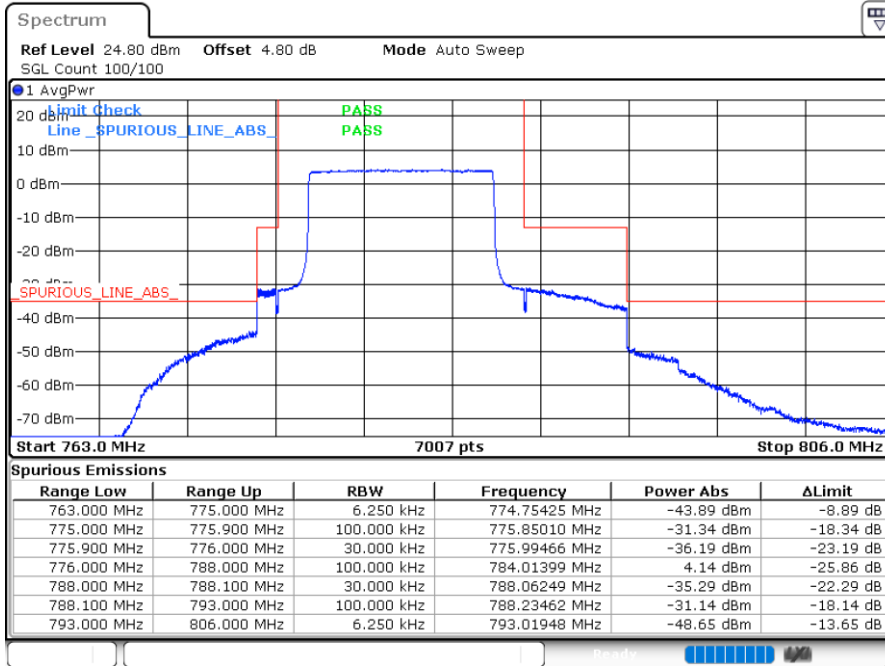
middle Band Edge / 1 RB



Date: 24.JUL.2024 11:47:37

Date: 24.JUL.2024 12:02:13

Middle Band Edge / Full RB



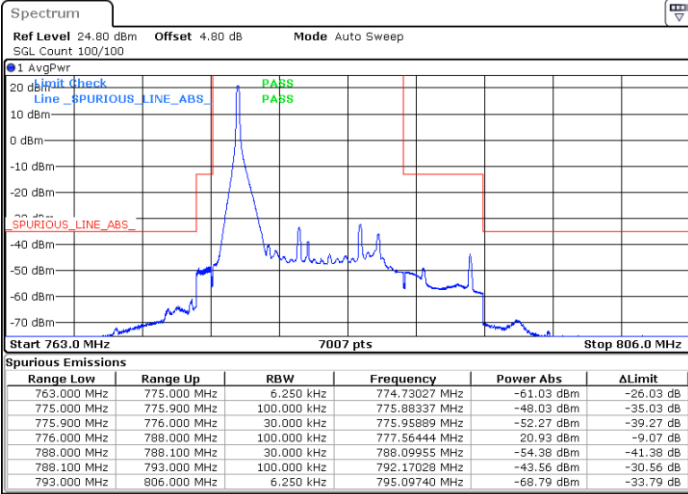
Date: 24.JUL.2024 11:54:55



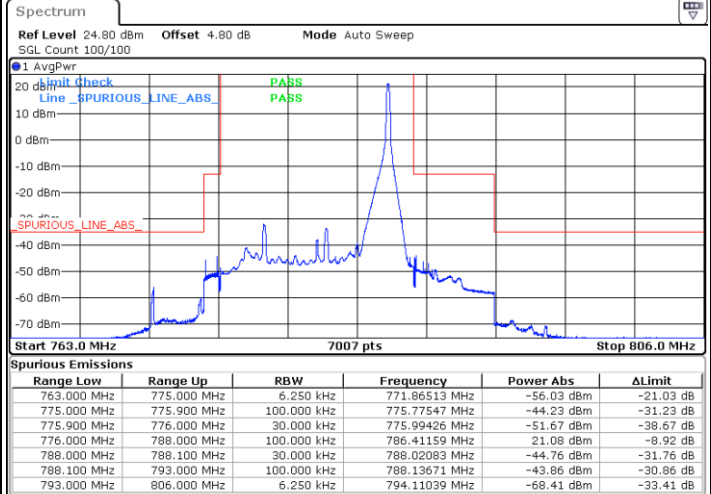
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB

middle Band Edge / 1 RB

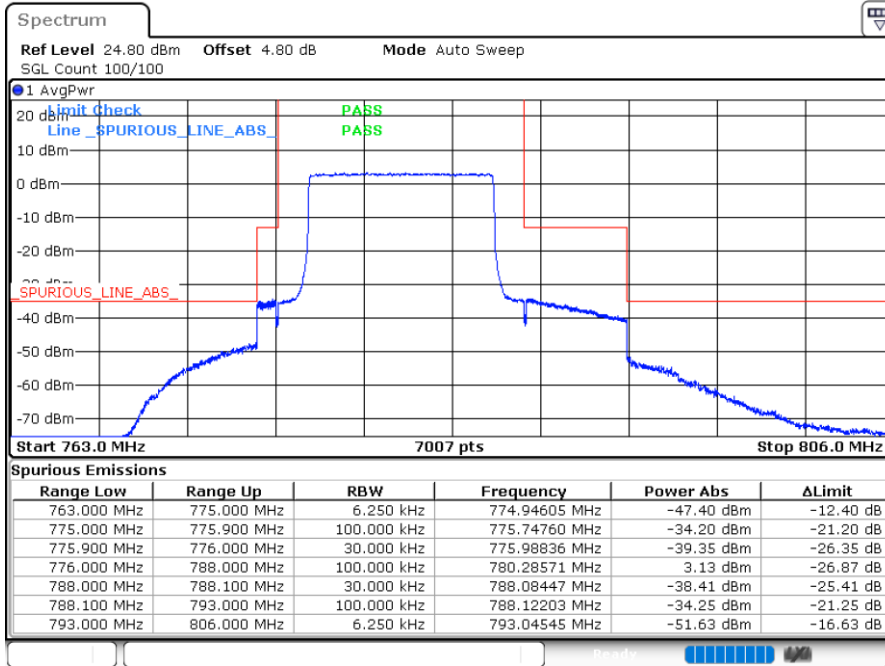


Date: 24.JUL.2024 11:49:27



Date: 24.JUL.2024 12:04:02

middle Band Edge / Full RB



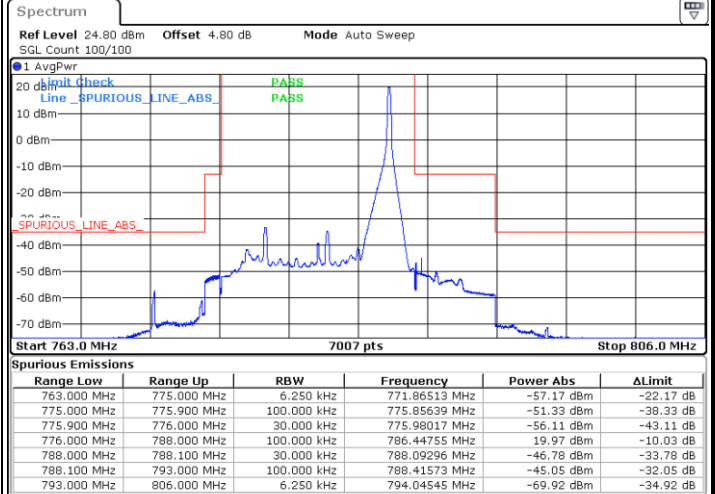
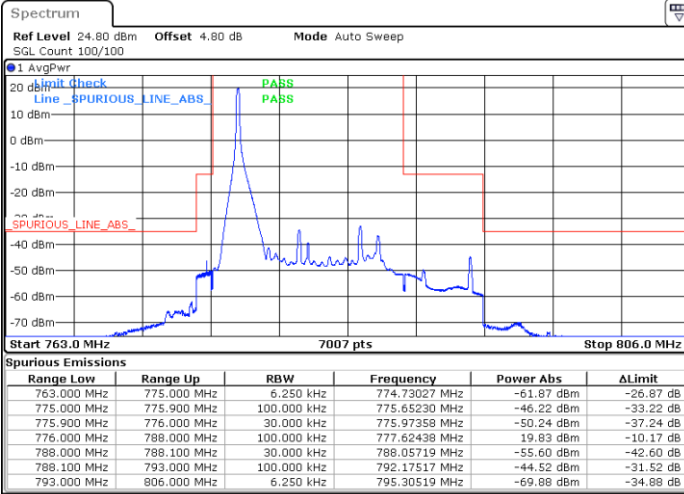
Date: 24.JUL.2024 11:56:44



LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB

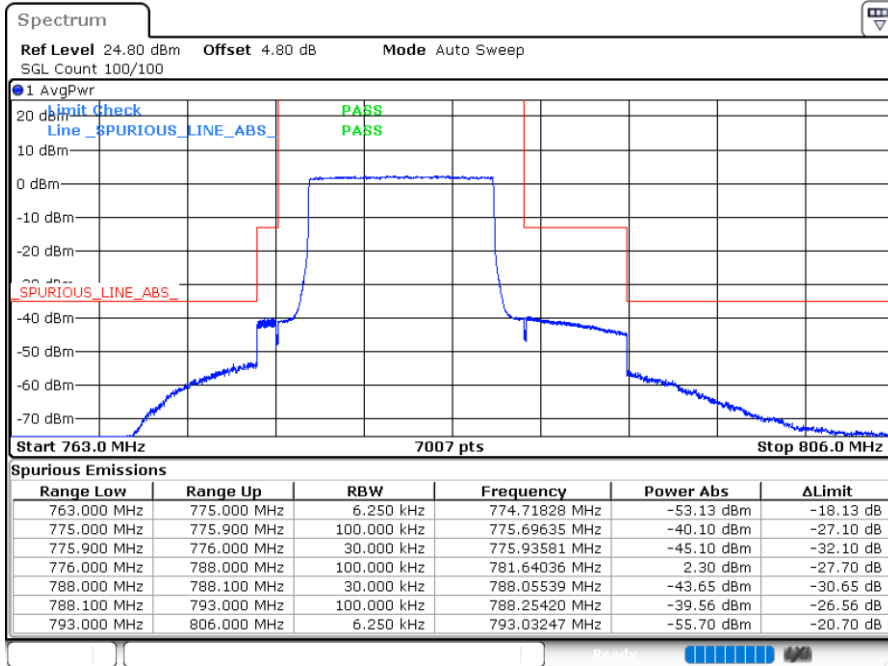
middle Band Edge / 1 RB



Date: 24.JUL.2024 11:51:16

Date: 24.JUL.2024 12:05:51

middle Band Edge / Full RB



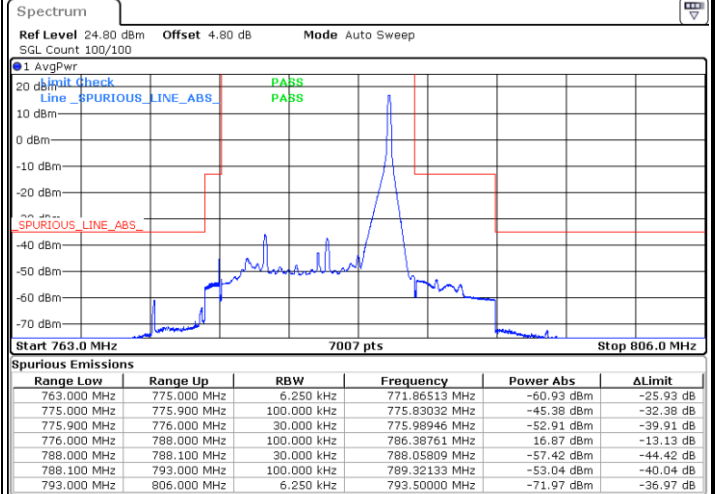
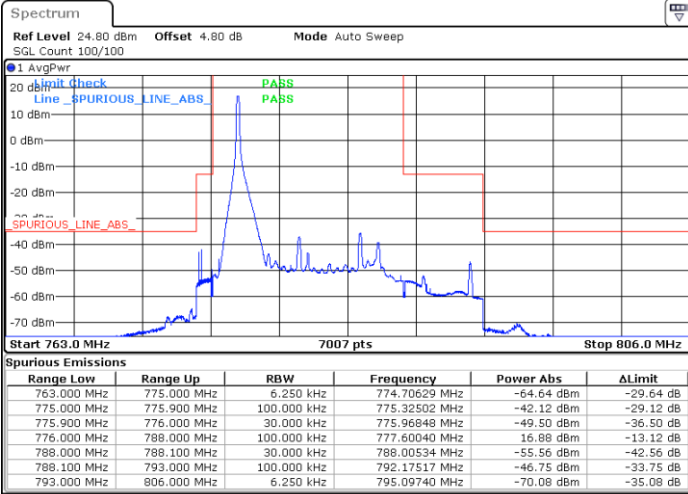
Date: 24.JUL.2024 11:58:34



LTE Band 13 / 10MHz / 256QAM

middle Band Edge / 1 RB

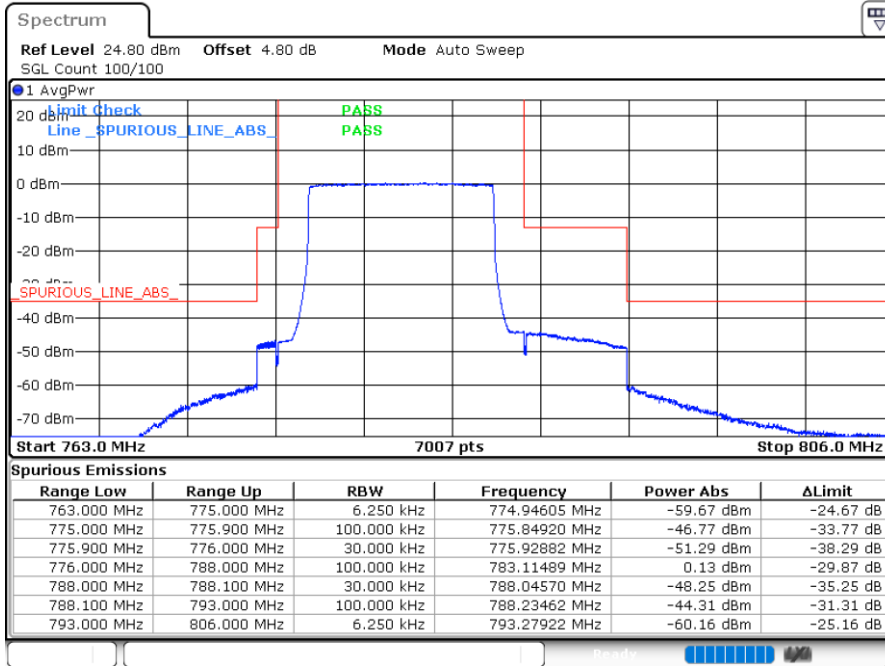
middle Band Edge / 1 RB



Date: 24.JUL.2024 11:53:05

Date: 24.JUL.2024 12:07:40

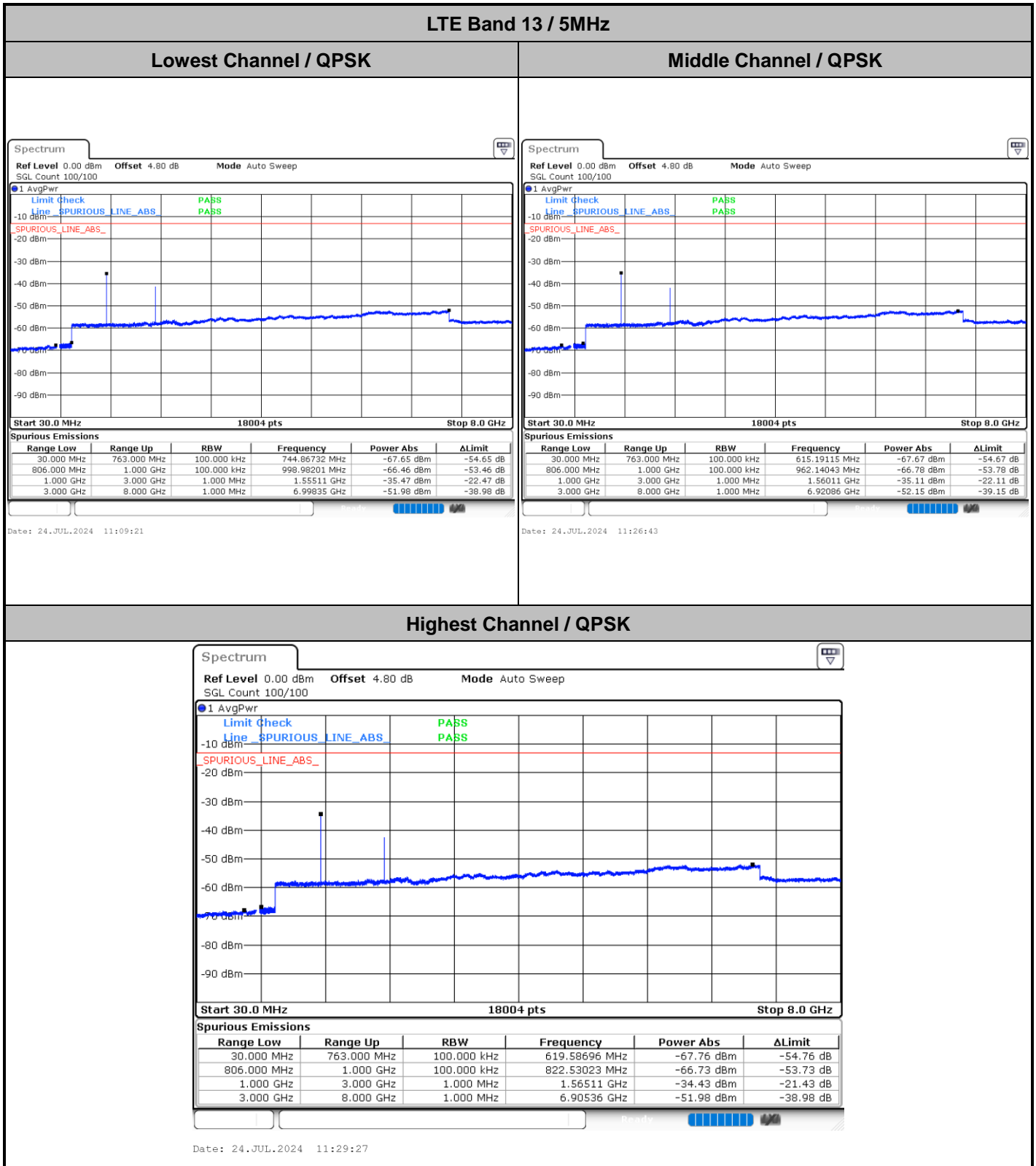
middle Band Edge / Full RB



Date: 24.JUL.2024 12:00:23



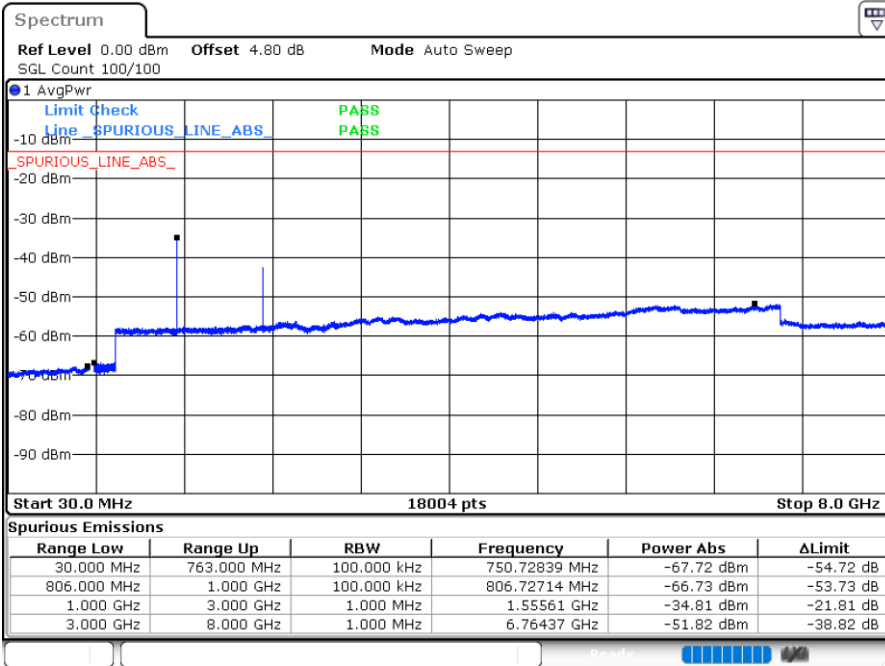
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 24.JUL.2024 11:45:48



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0044	
30	Normal Voltage	0.0059	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0057	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0006	

Note:

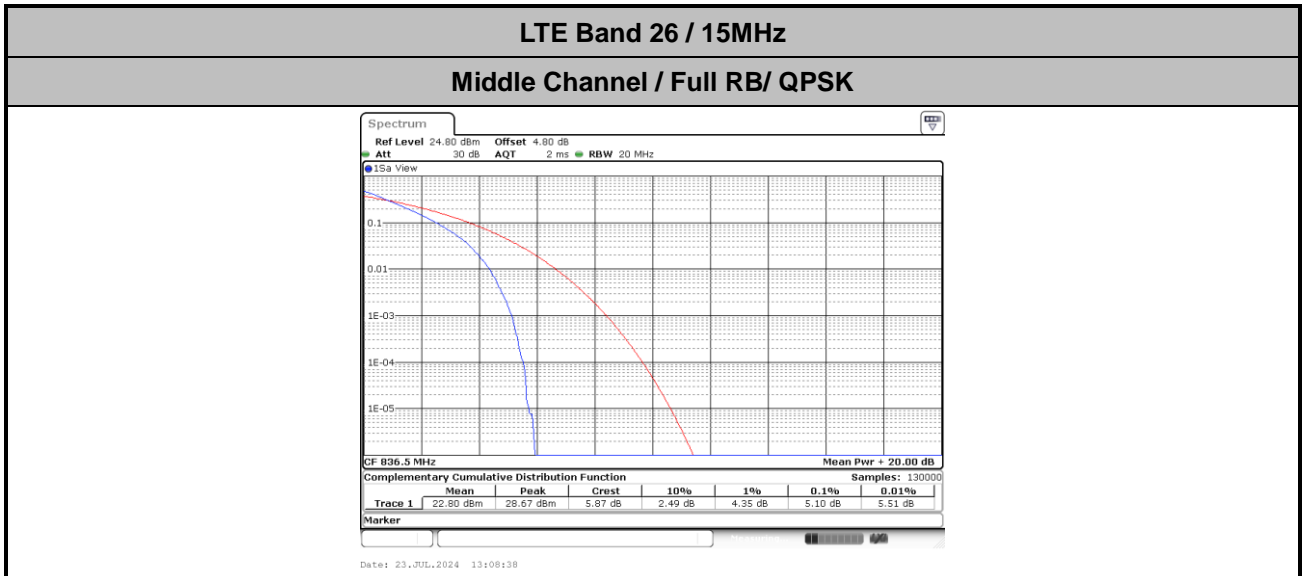
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26_Part 22H

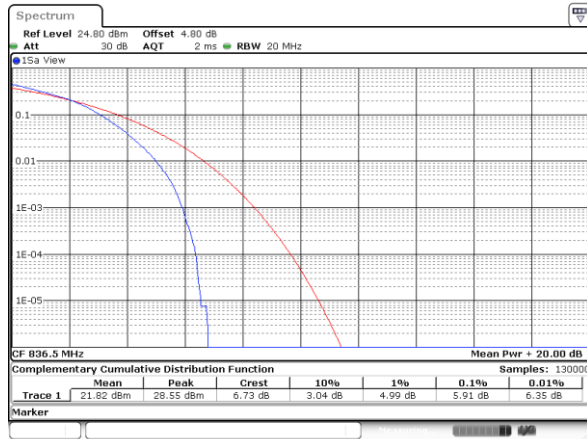
Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.10	5.91	6.35	PASS
Mode	LTE Band 26 / 15MHz			
Mod.	256QAM	-	-	Limit: 13dB
RB Size	Full RB	-	-	Result
Middle CH	6.67	-	-	PASS



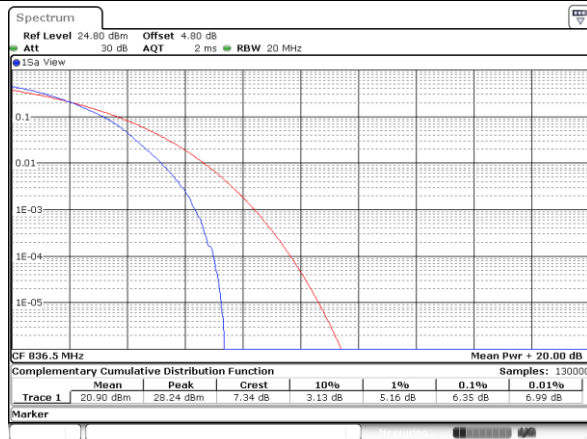


Middle Channel / Full RB/ 16QAM



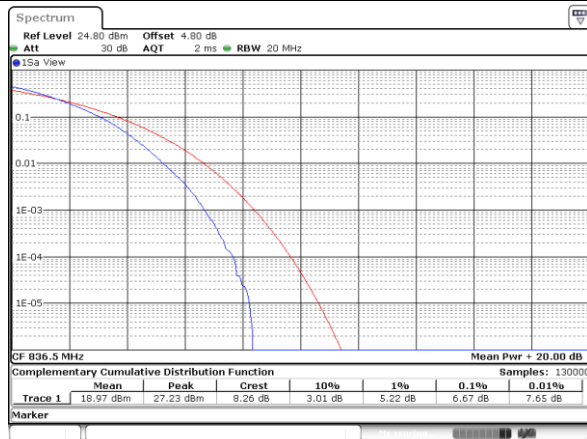
Date: 23.JUL.2024 13:09:01

Middle Channel / Full RB/ 64QAM



Date: 23.JUL.2024 13:09:24

Middle Channel / Full RB/256QAM

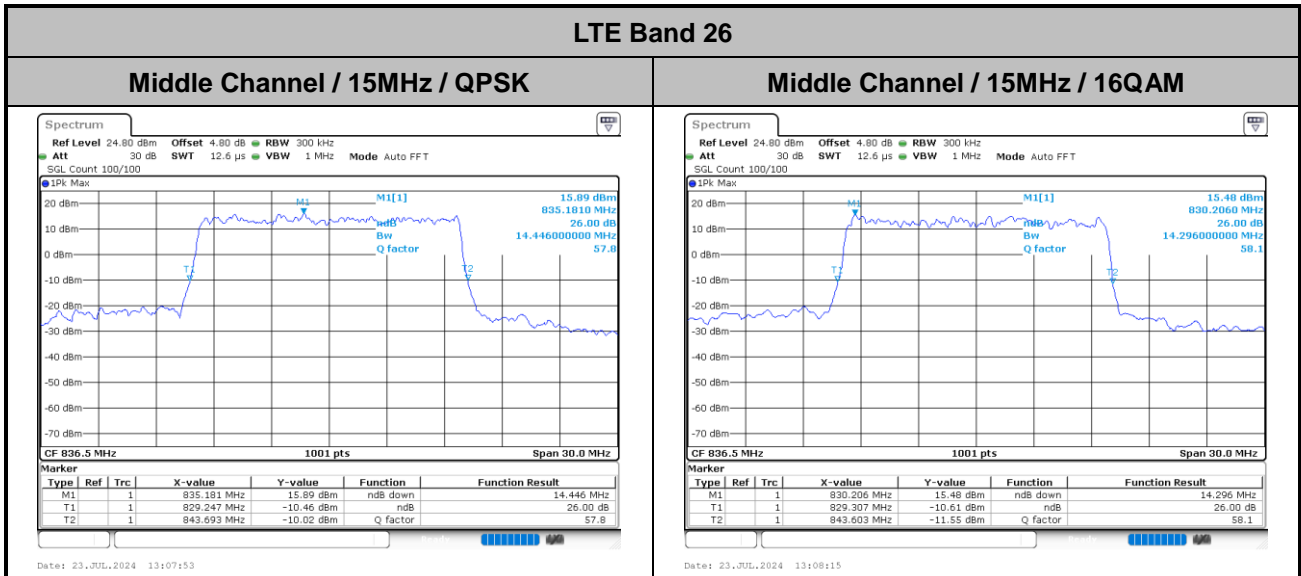


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26dB Bandwidth

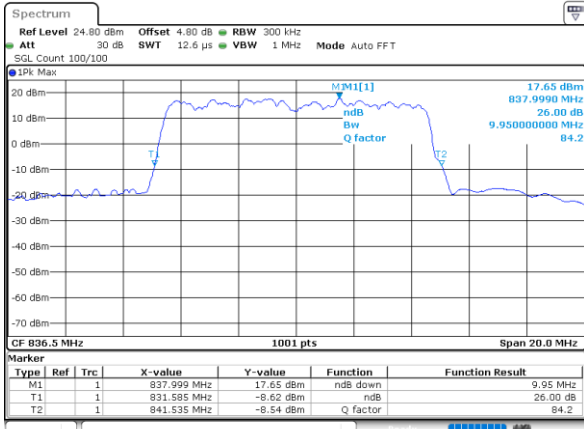
Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.45	14.30
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.95	9.77
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.82	4.87
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.03	2.98
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.29	1.28





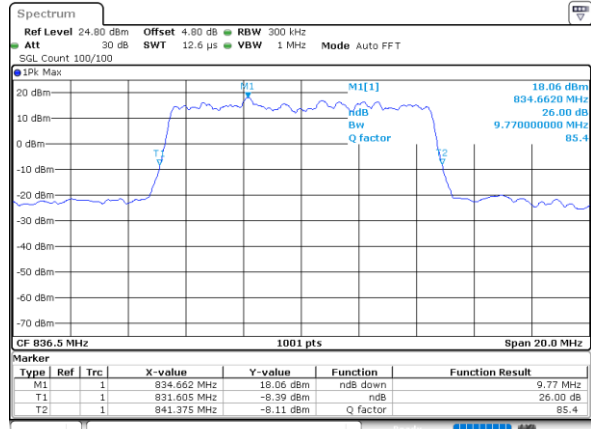
LTE Band 26

Middle Channel / 10MHz / QPSK



Date: 23_JUL_2024 13:11:07

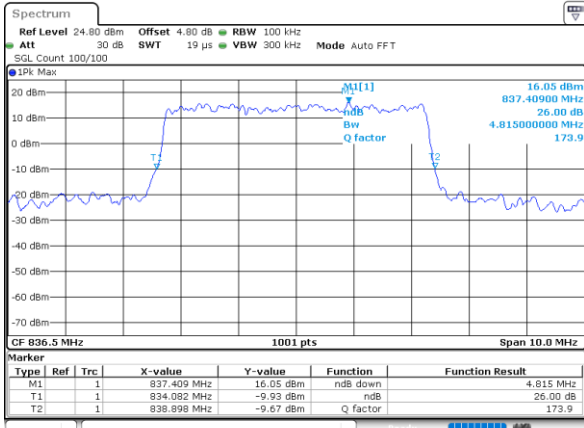
Middle Channel / 10MHz / 16QAM



Date: 23_JUL_2024 13:11:29

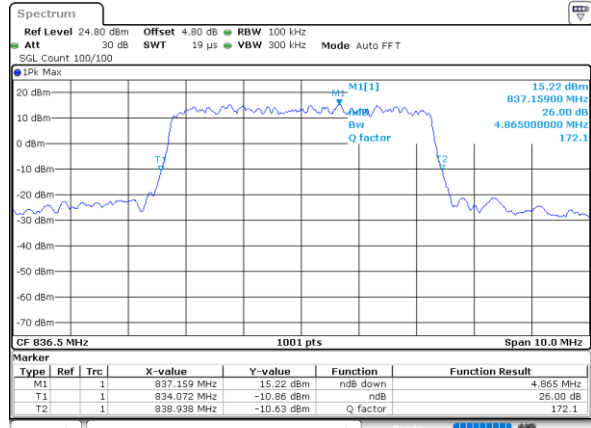
LTE Band 26

Middle Channel / 5MHz / QPSK



Date: 23_JUL_2024 13:12:35

Middle Channel / 5MHz / 16QAM

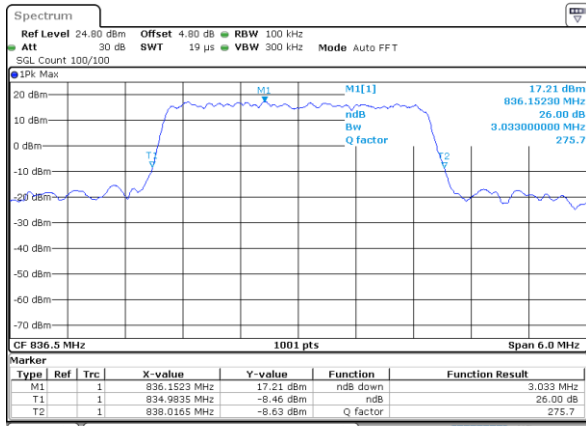


Date: 23_JUL_2024 13:12:56



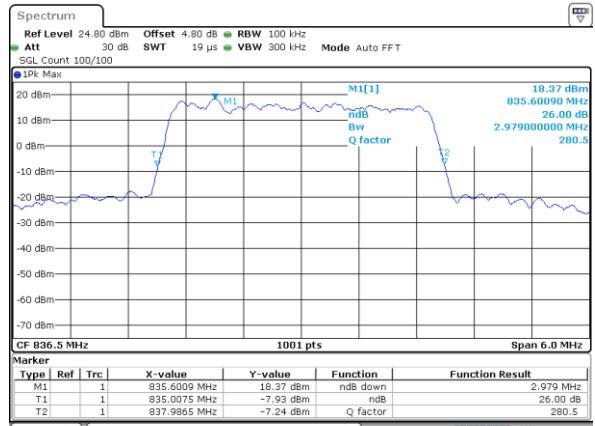
LTE Band 26

Middle Channel / 3MHz / QPSK



Date: 23_JUL_2024 13:14:03

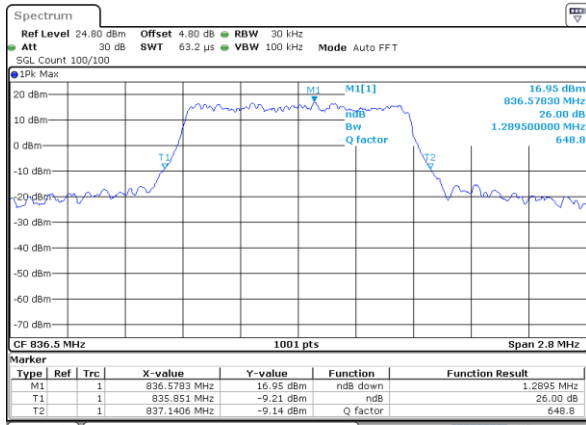
Middle Channel / 3MHz / 16QAM



Date: 23_JUL_2024 13:14:24

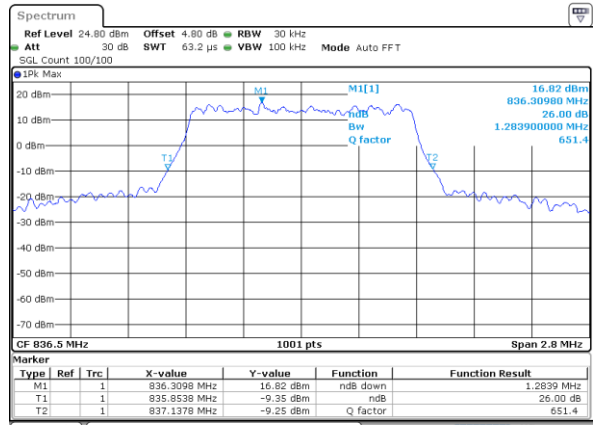
LTE Band 26

Middle Channel / 1.4MHz / QPSK



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Middle Channel / 1.4MHz / 16QAM



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Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz(CH26790)	
Mod.	QPSK	16QAM
HigCH	13.46	13.37
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	8.97	9.03
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.50
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.74	2.71
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09

