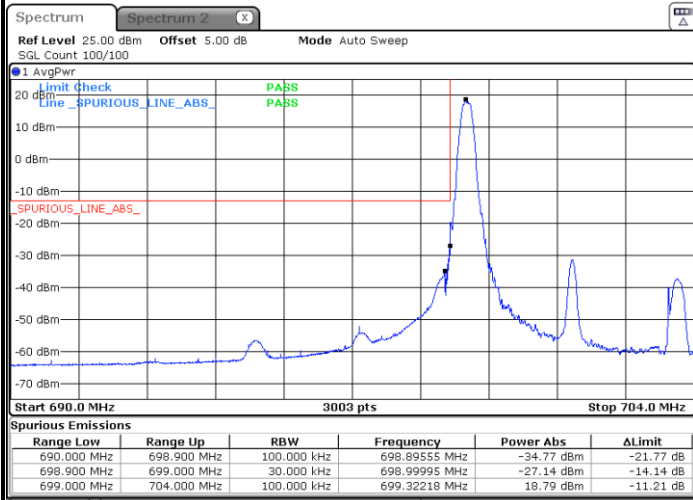




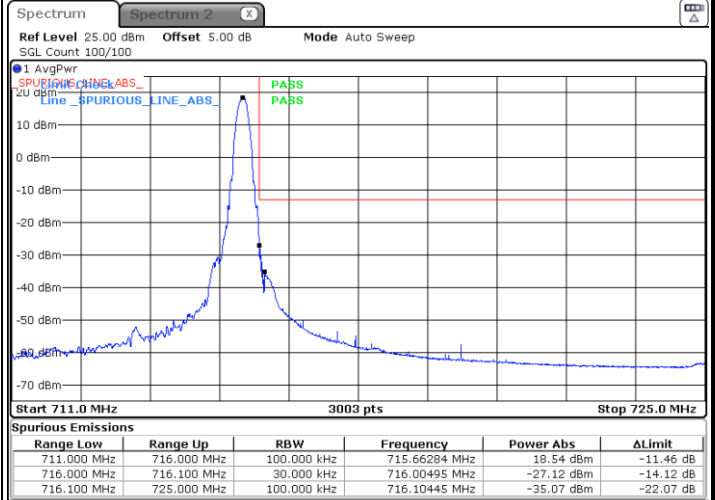
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



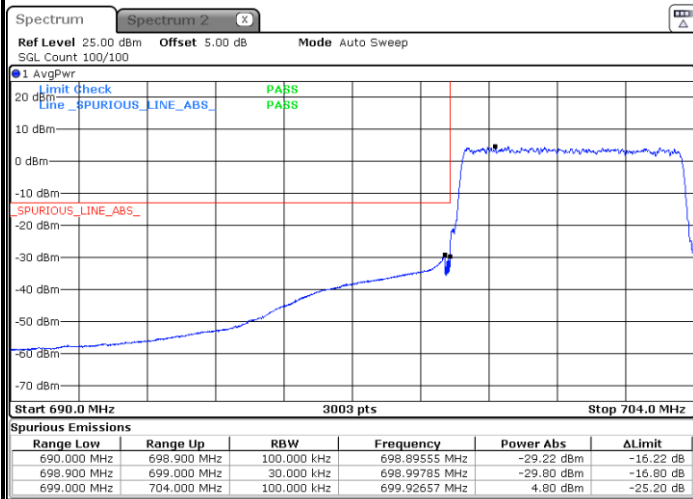
Date: 1.MAR.2024 02:14:32

Highest Band Edge / 1 RB



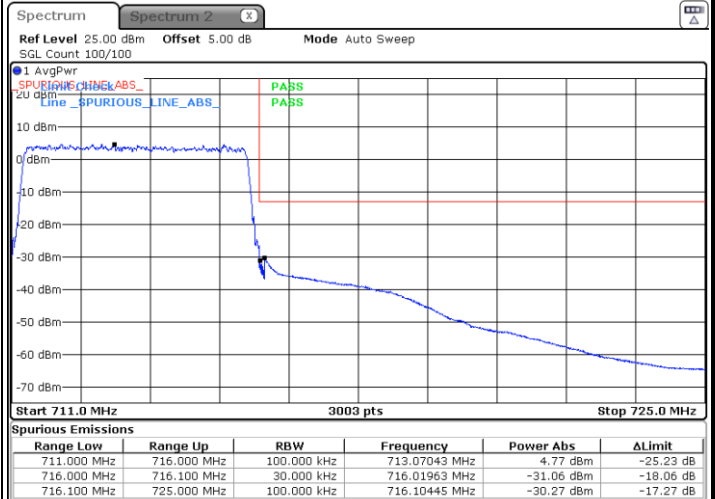
Date: 1.MAR.2024 02:33:12

Lowest Band Edge / Full RB



Date: 1.MAR.2024 02:16:56

Highest Band Edge / Full RB

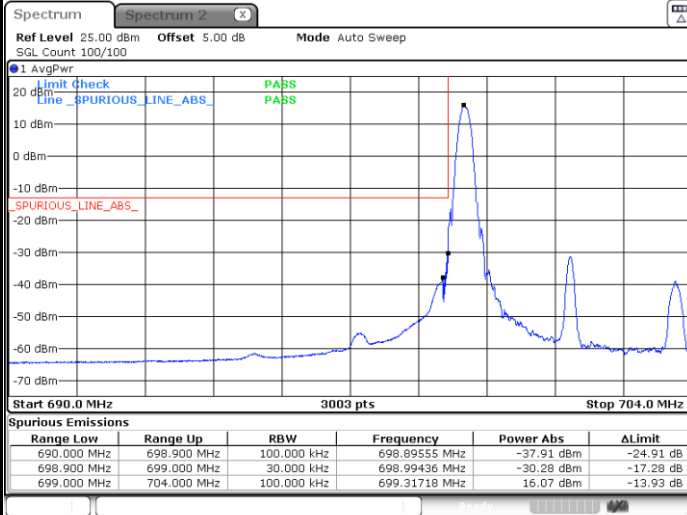


Date: 1.MAR.2024 02:35:40



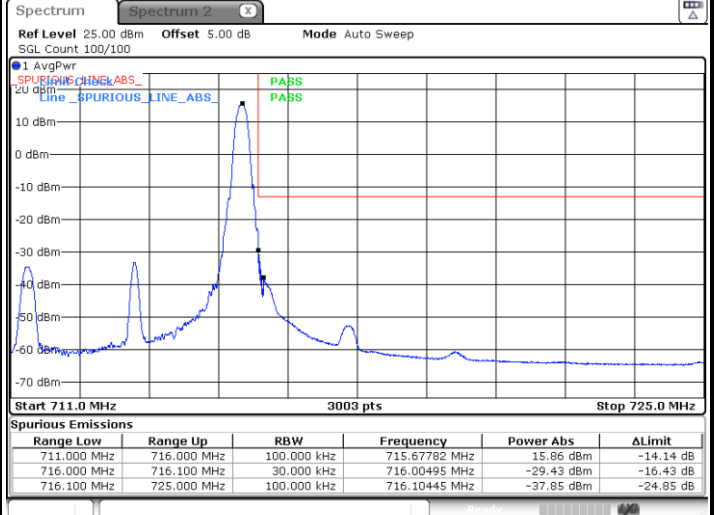
LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / 1RB



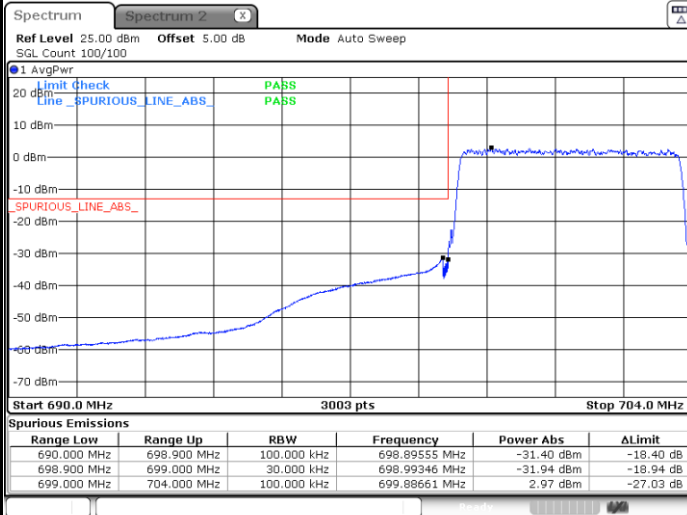
Date: 1.MAR.2024 02:15:20

Highest Band Edge / 1 RB



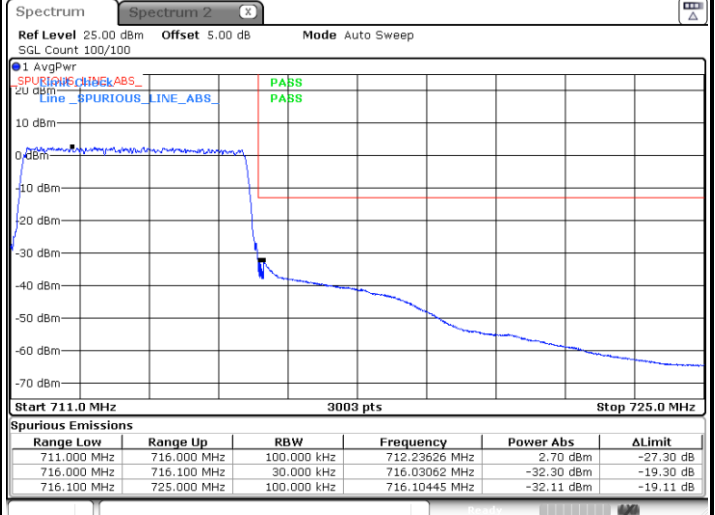
Date: 1.MAR.2024 02:34:01

Lowest Band Edge / Full RB



Date: 1.MAR.2024 02:16:08

Highest Band Edge / Full RB

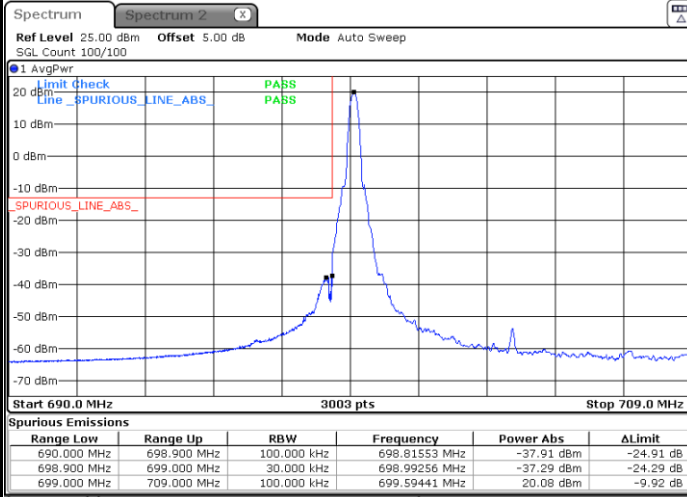


Date: 1.MAR.2024 02:34:50



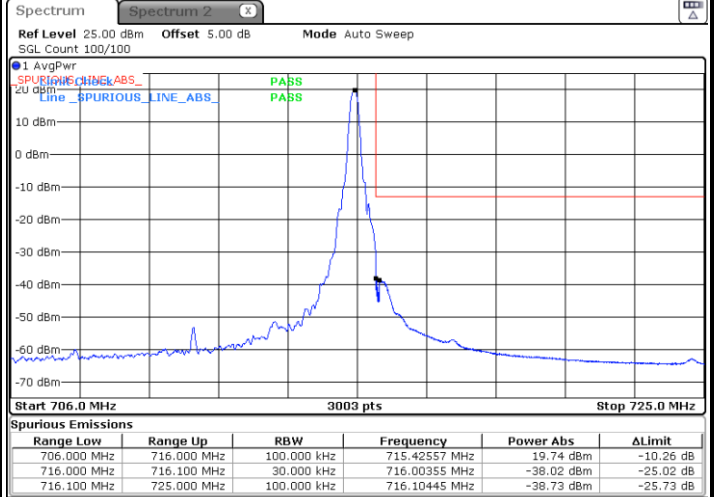
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



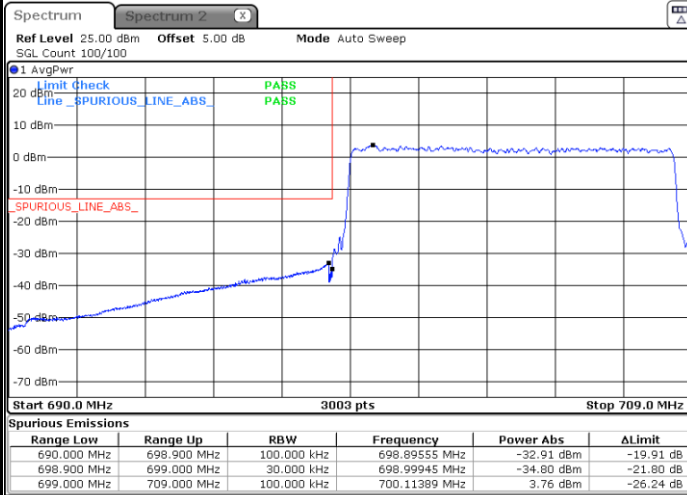
Date: 1.MAR.2024 02:42:42

Highest Band Edge / 1 RB



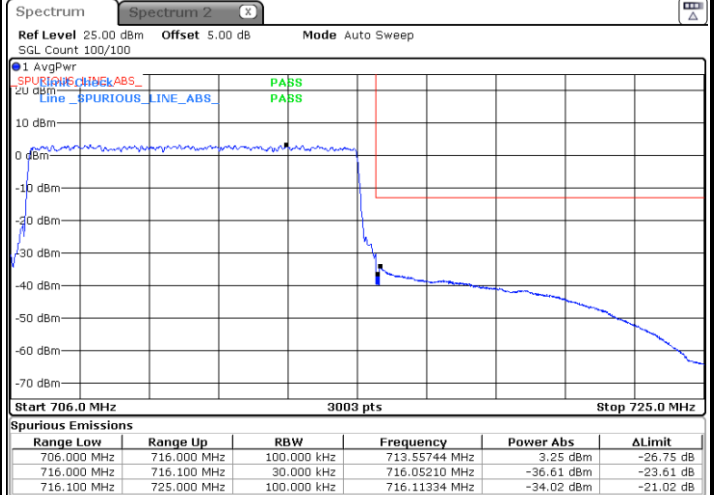
Date: 1.MAR.2024 02:52:03

Lowest Band Edge / Full RB



Date: 1.MAR.2024 02:48:24

Highest Band Edge / Full RB

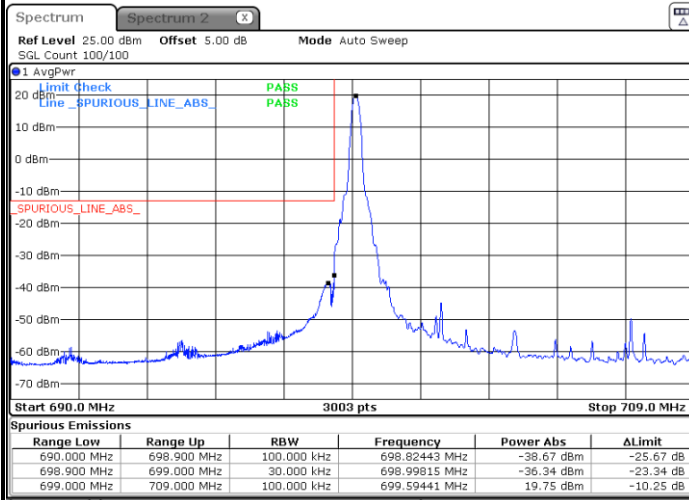


Date: 1.MAR.2024 02:58:26

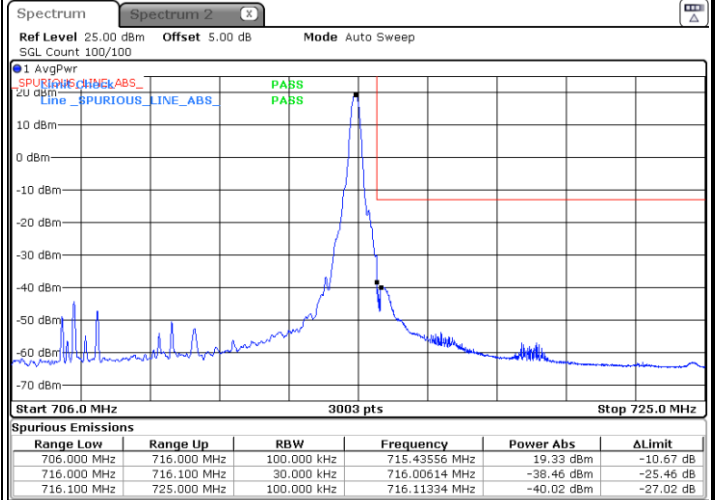


LTE Band 12 / 10MHz / 16QAM

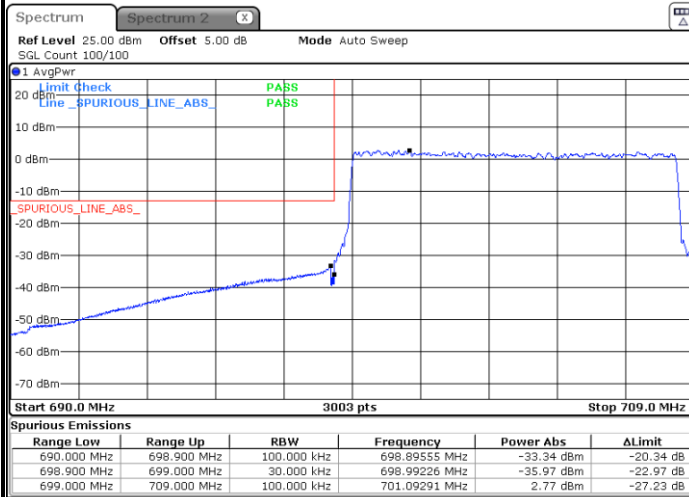
Lowest Band Edge / 1 RB



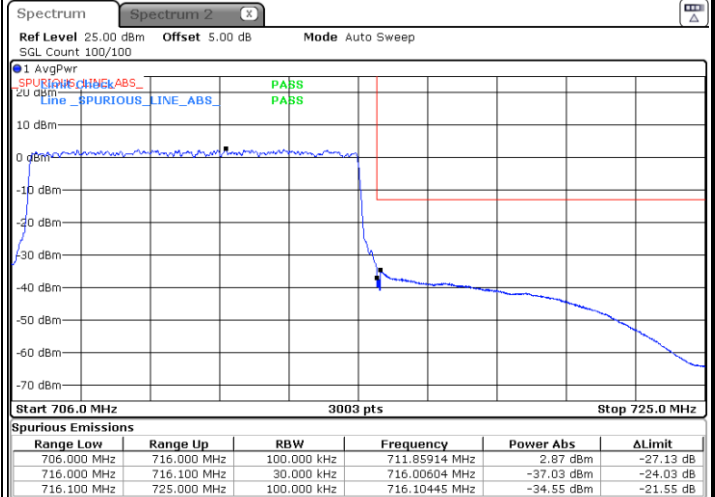
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



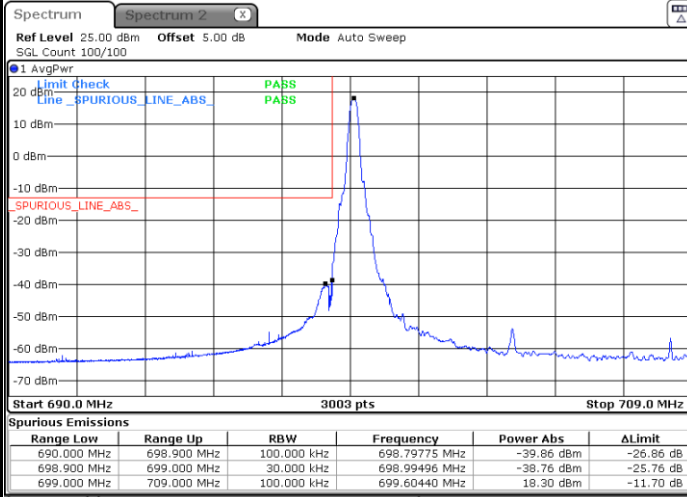
Highest Band Edge / Full RB





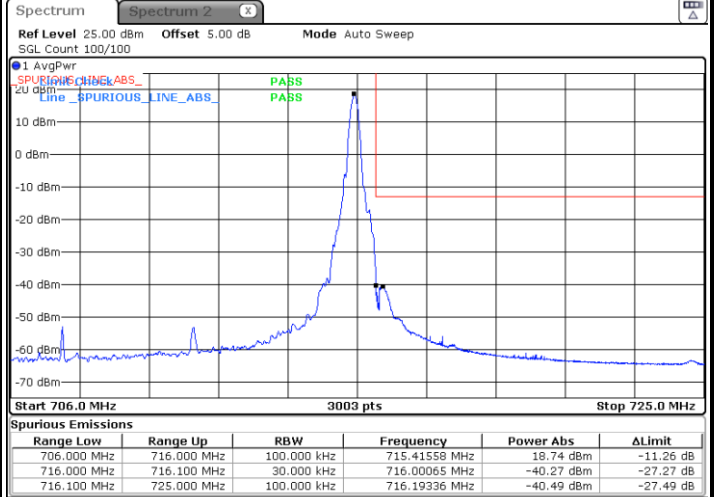
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



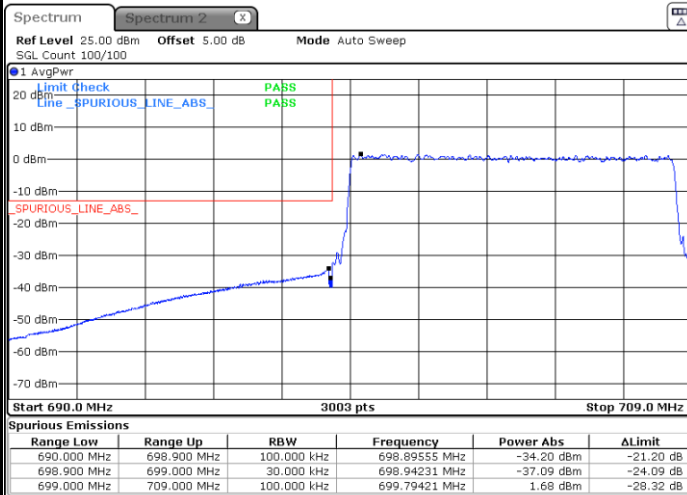
Date: 1.MAR.2024 02:44:19

Highest Band Edge / 1 RB



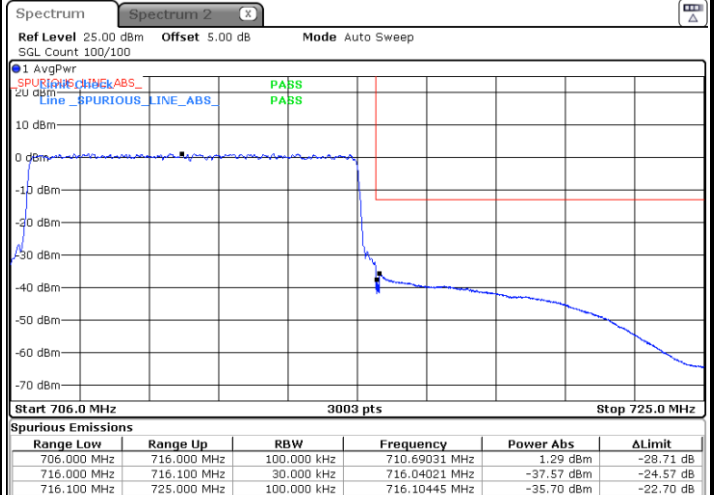
Date: 1.MAR.2024 02:53:38

Lowest Band Edge / Full RB



Date: 1.MAR.2024 02:46:47

Highest Band Edge / Full RB

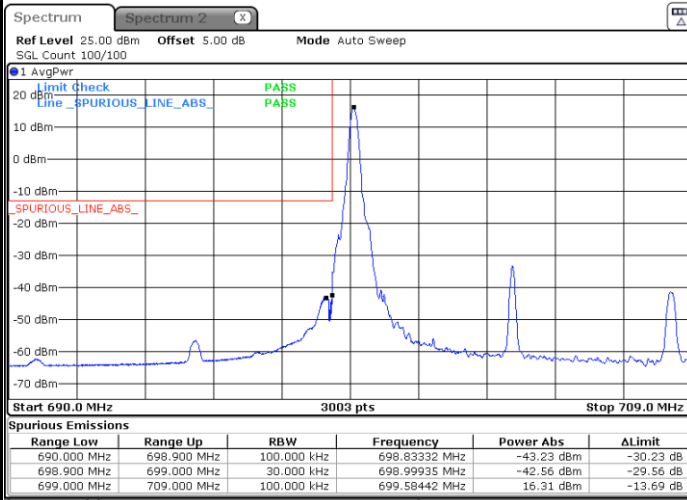


Date: 1.MAR.2024 02:56:50



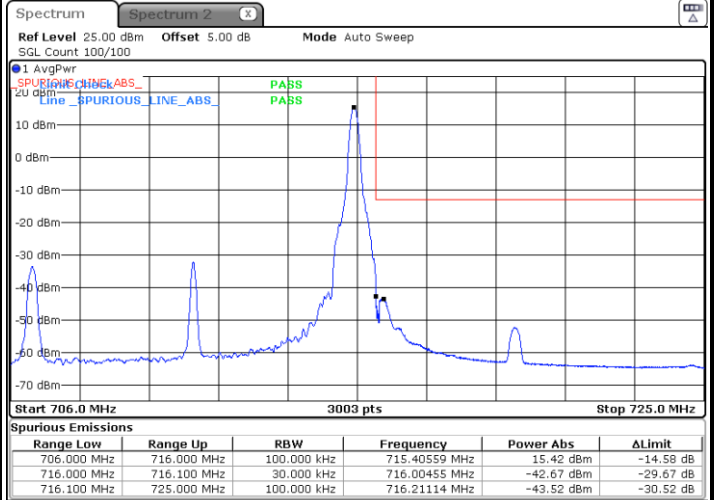
LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



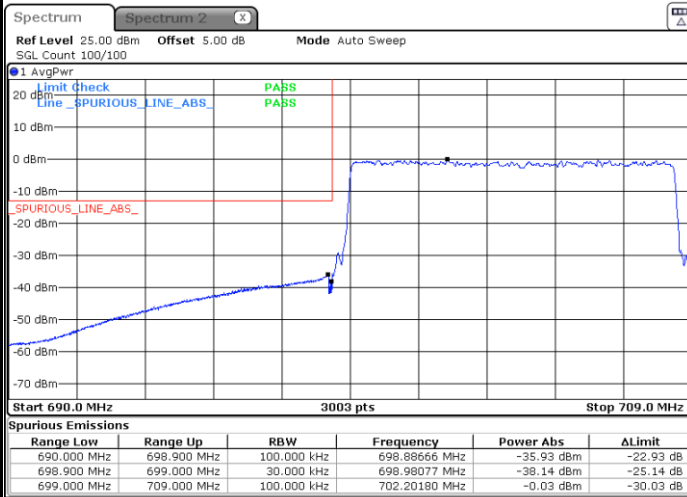
Date: 1.MAR.2024 02:45:07

Highest Band Edge / 1 RB



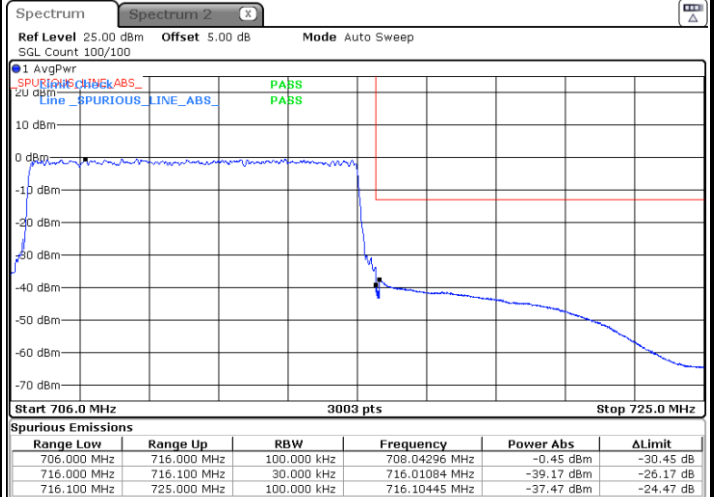
Date: 1.MAR.2024 02:54:26

Lowest Band Edge / Full RB



Date: 1.MAR.2024 02:45:59

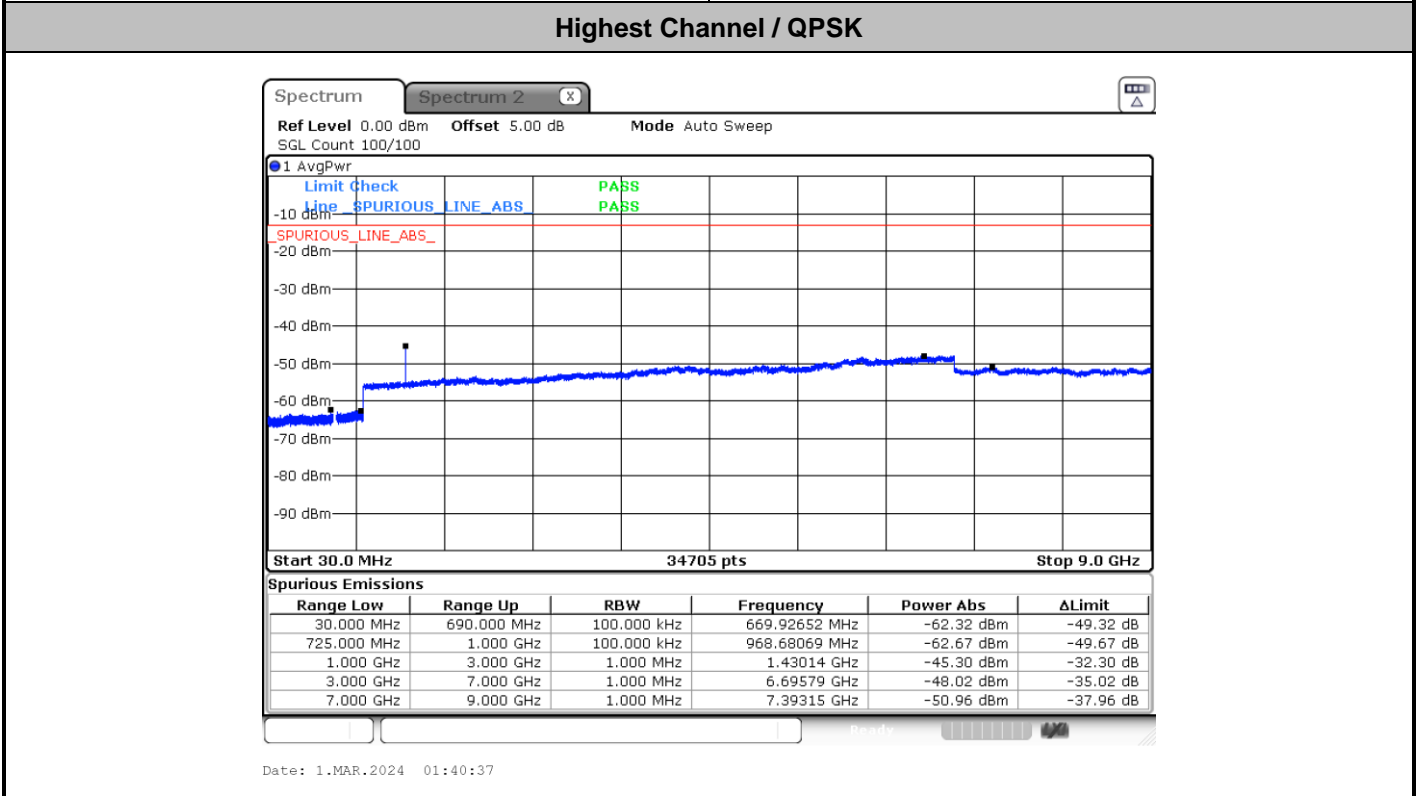
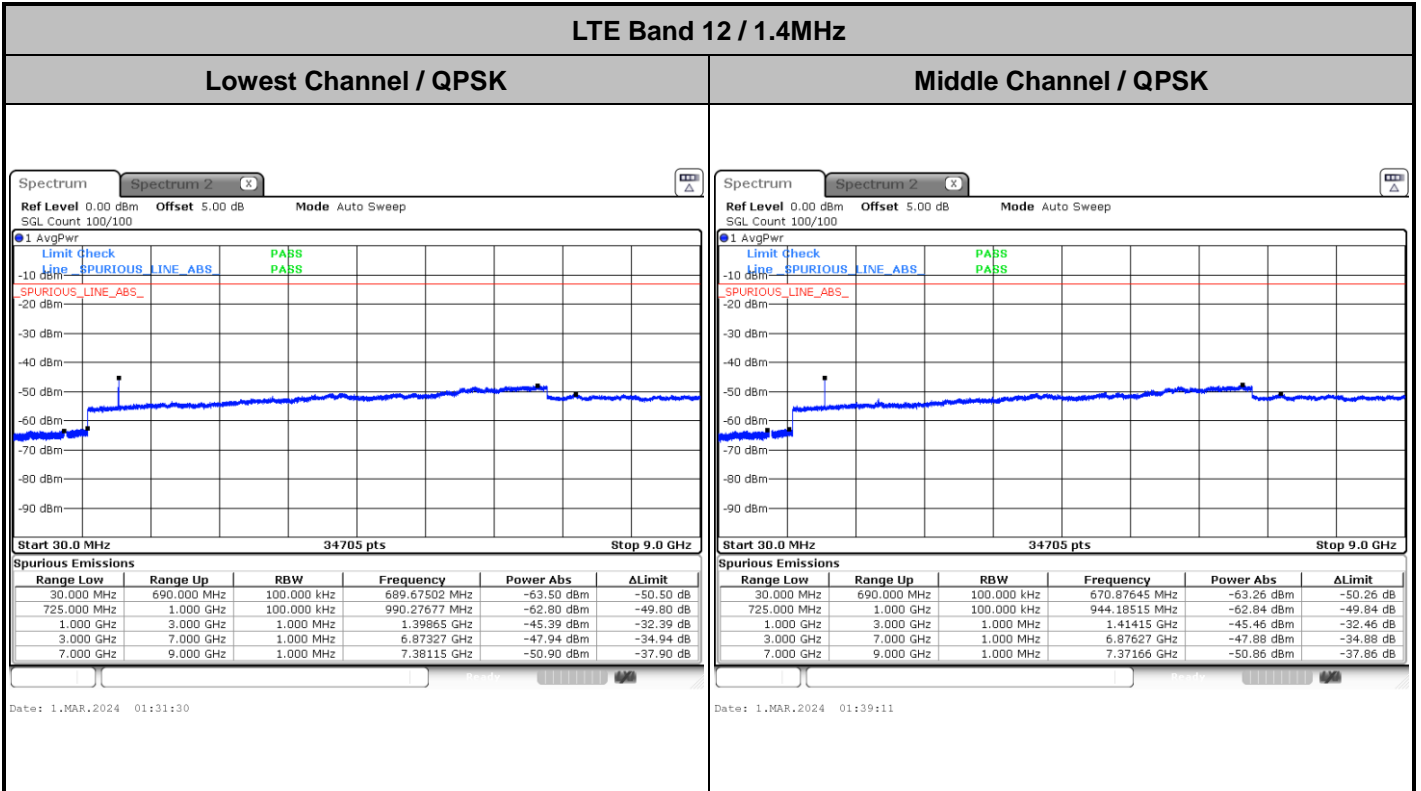
Highest Band Edge / Full RB



Date: 1.MAR.2024 02:56:00



Conducted Spurious Emission

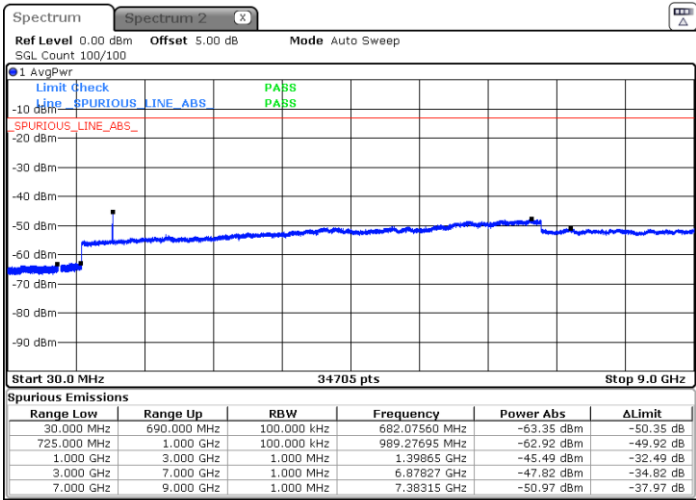




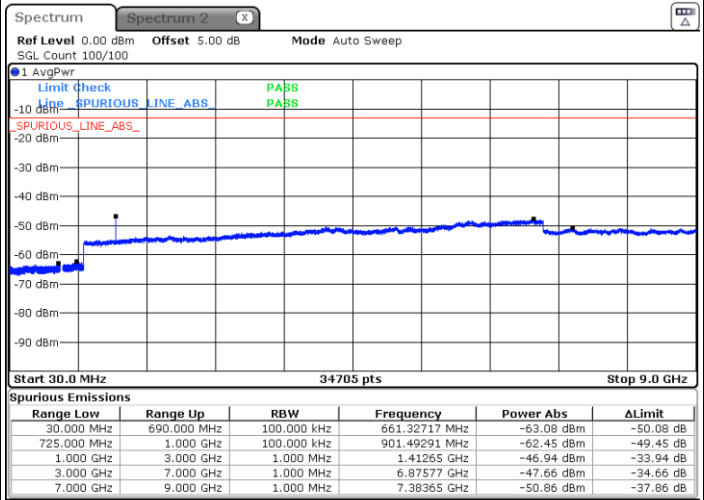
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

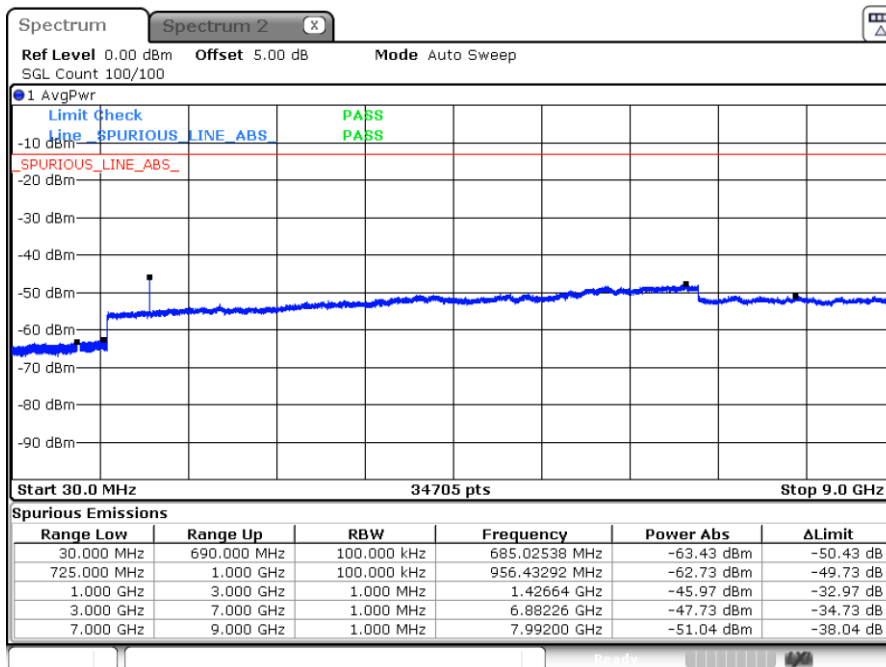


Date: 1.MAR.2024 01:51:19



Date: 1.MAR.2024 01:59:00

Highest Channel / QPSK



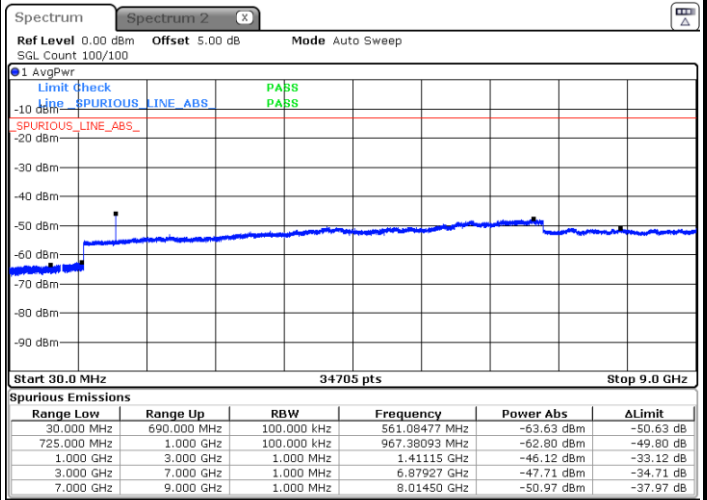
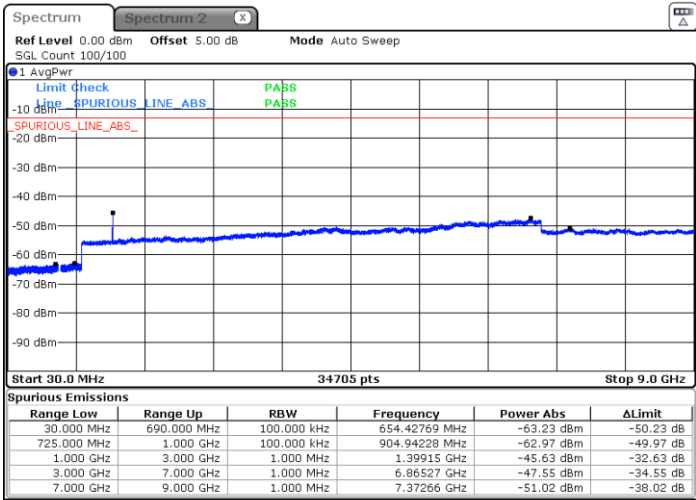
Date: 1.MAR.2024 02:00:26



LTE Band 12 / 5MHz

Lowest Channel / QPSK

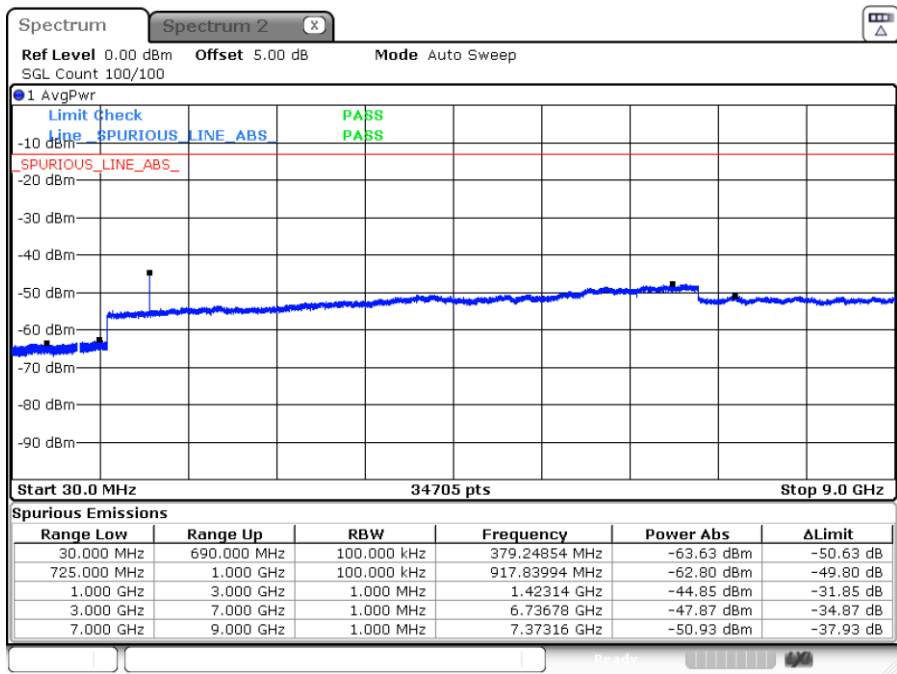
Middle Channel / QPSK



Date: 1.MAR.2024 02:12:20

Date: 1.MAR.2024 02:19:57

Highest Channel / QPSK



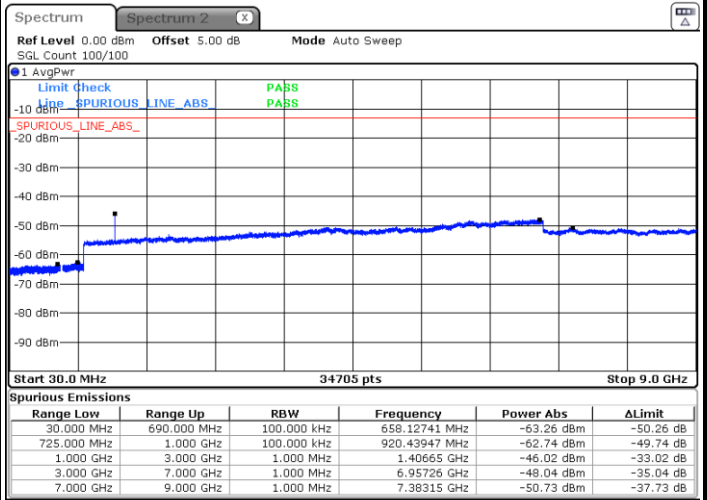
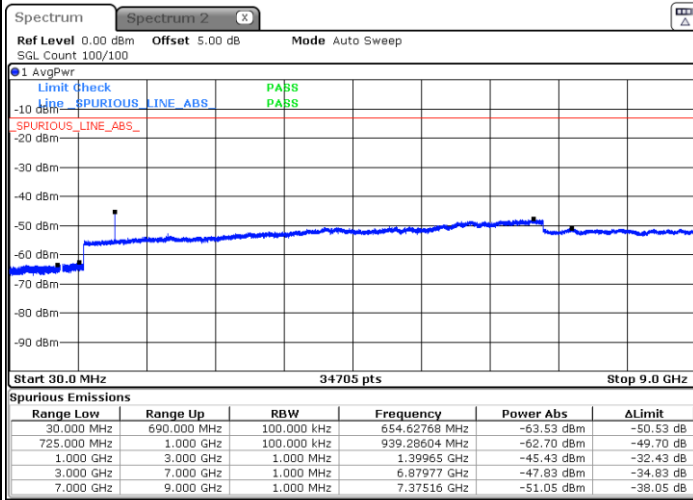
Date: 1.MAR.2024 02:30:48



LTE Band 12 / 10MHz

Lowest Channel / QPSK

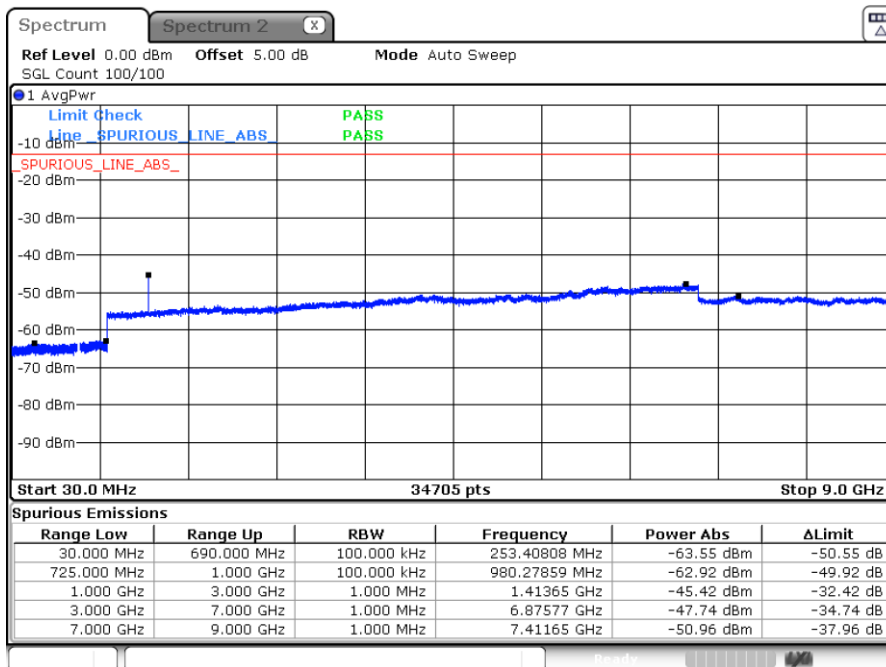
Middle Channel / QPSK



Date: 1.MAR.2024 02:42:06

Date: 1.MAR.2024 02:49:49

Highest Channel / QPSK



Date: 1.MAR.2024 02:51:15



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	0.0024	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0016	

Note:

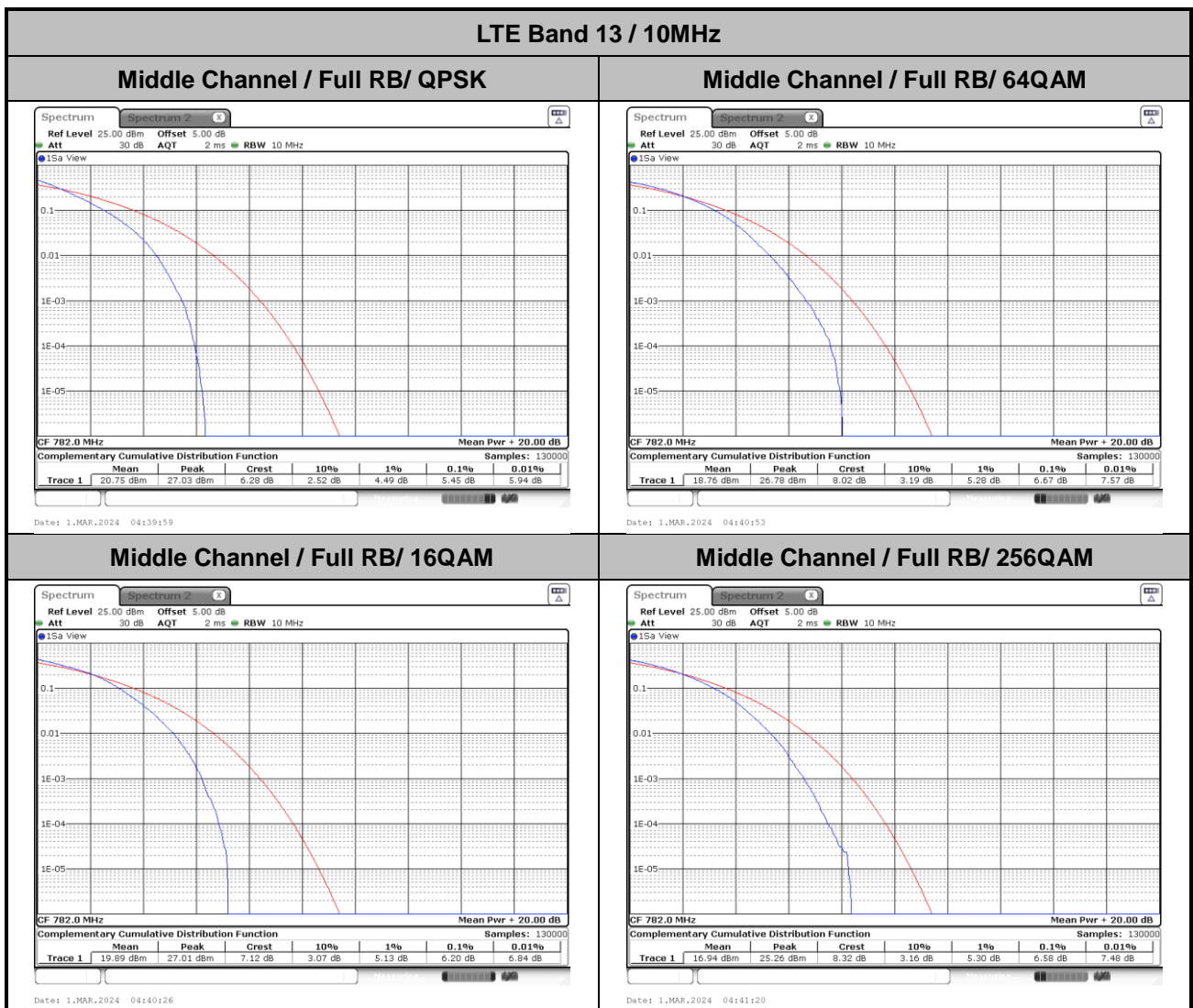
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

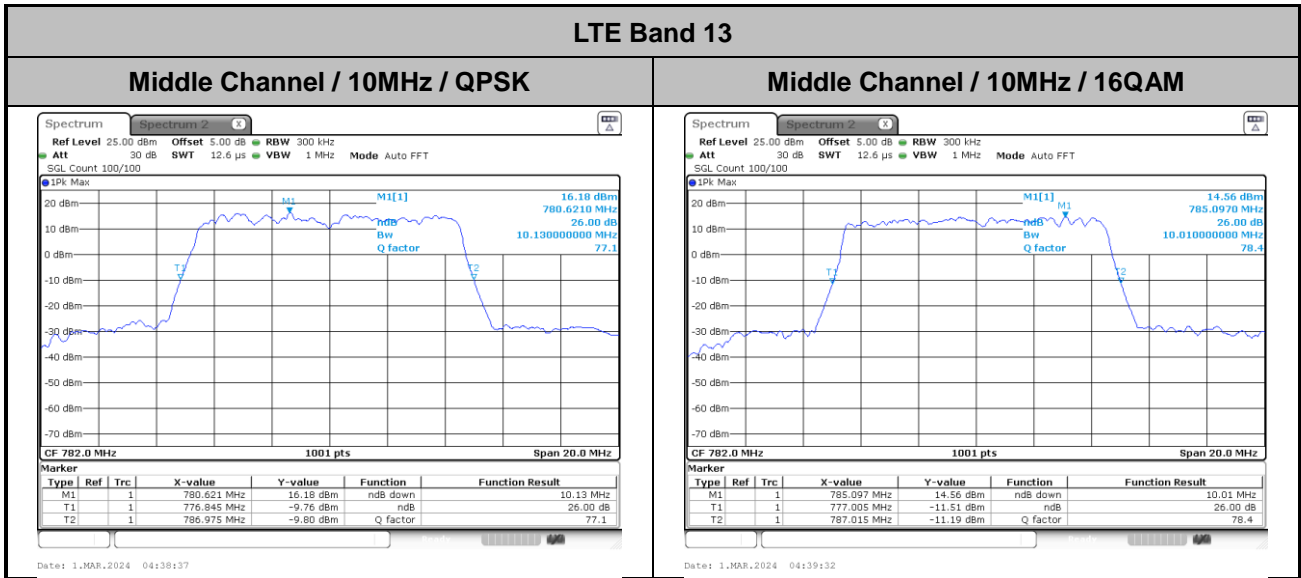
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.45	6.20	6.67	6.58	PASS





26dB Bandwidth

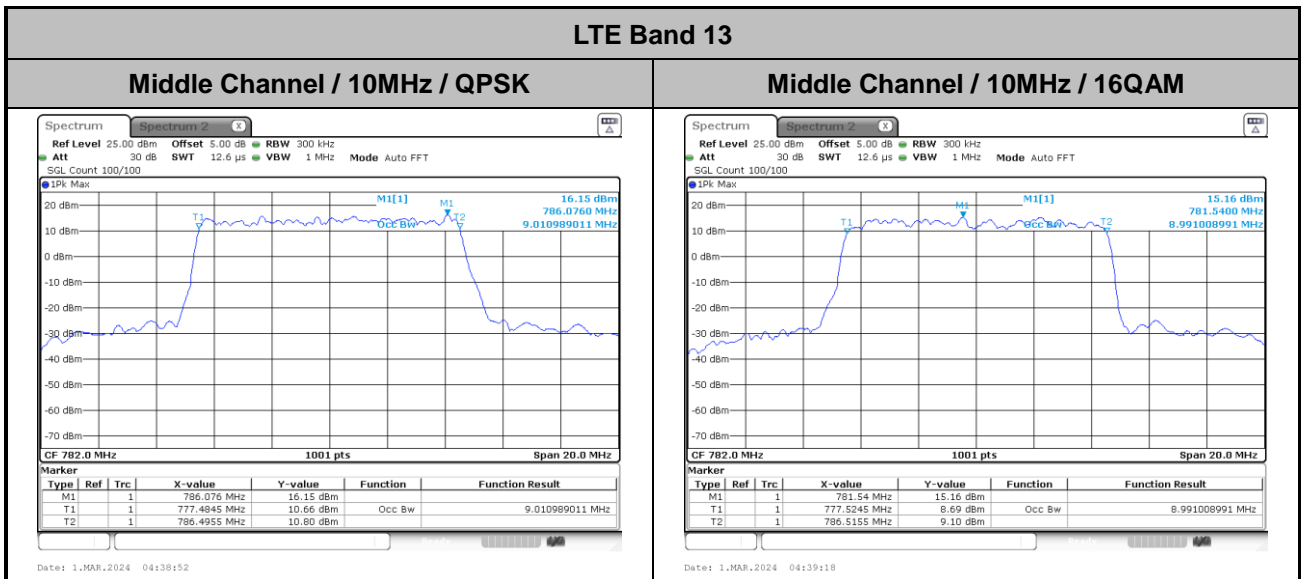
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	10.13	10.01





Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	8.99

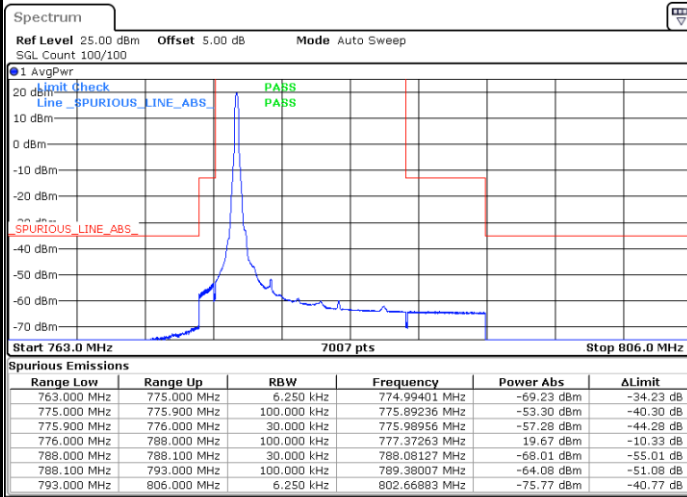




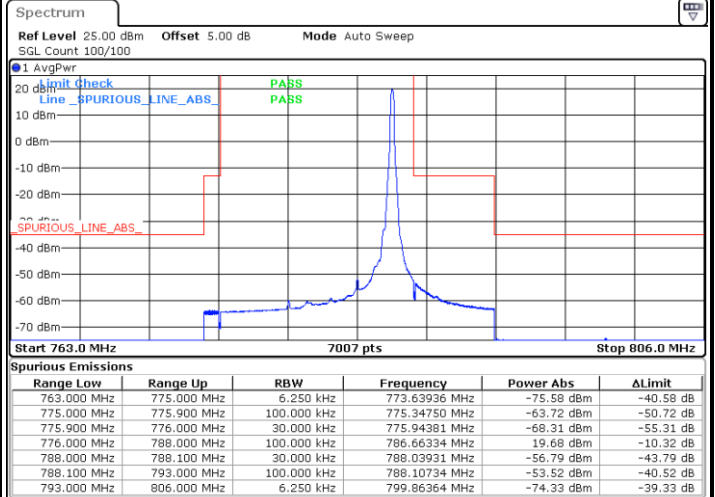
Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

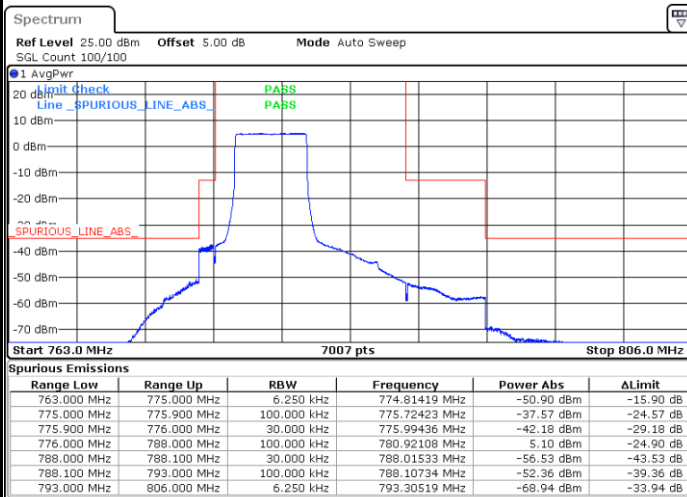
Lowest Band Edge / 1 RB



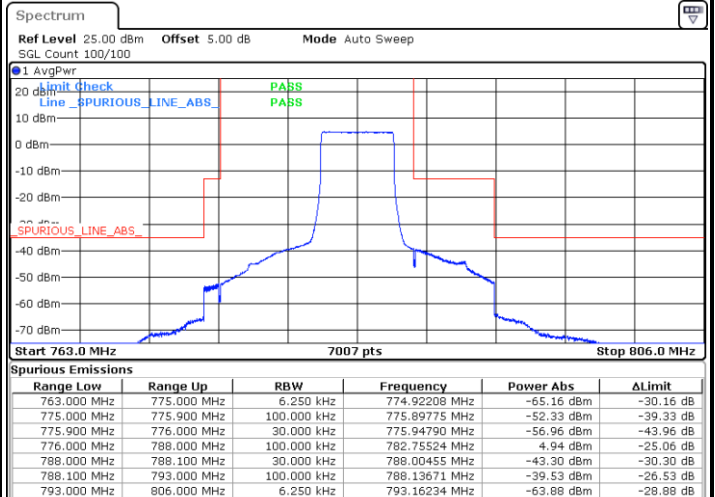
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

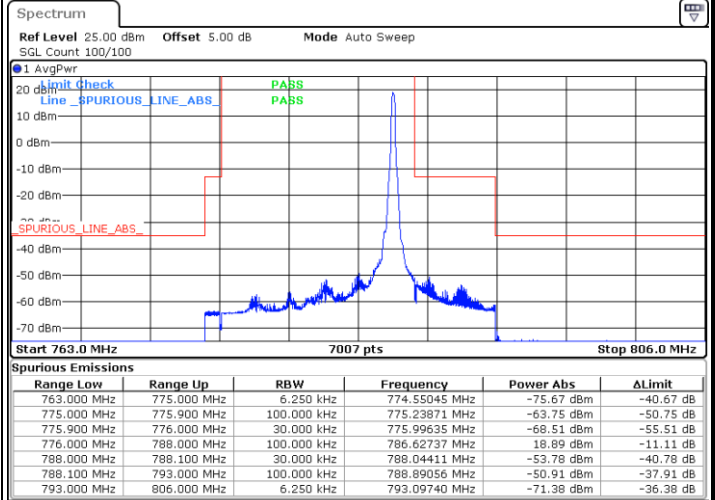
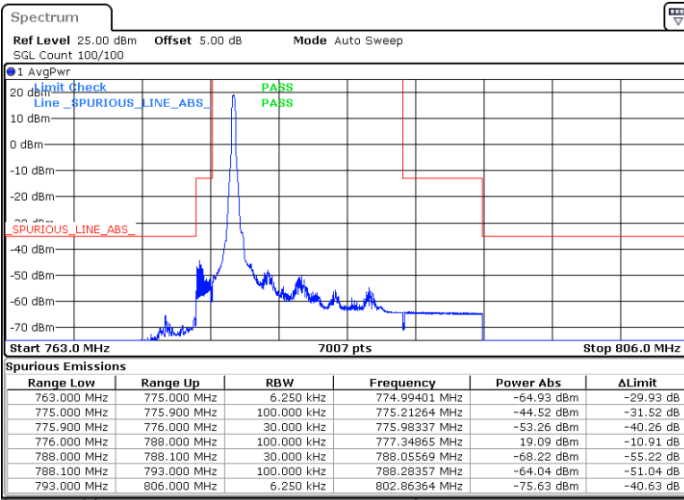




LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

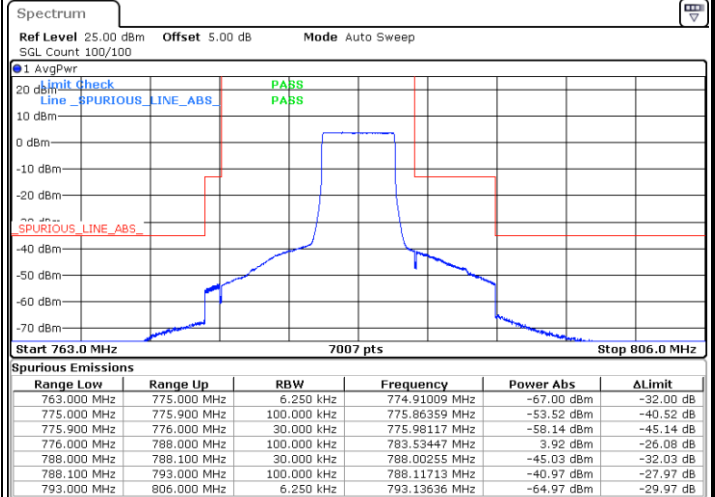
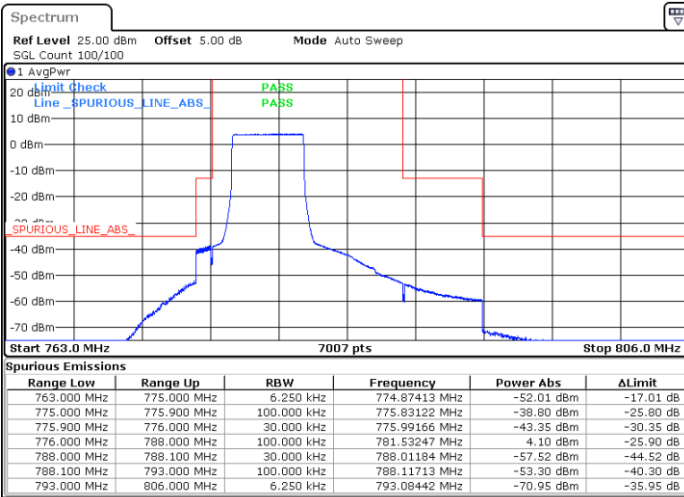


Date: 14.MAR.2024 14:01:01

Date: 14.MAR.2024 14:16:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



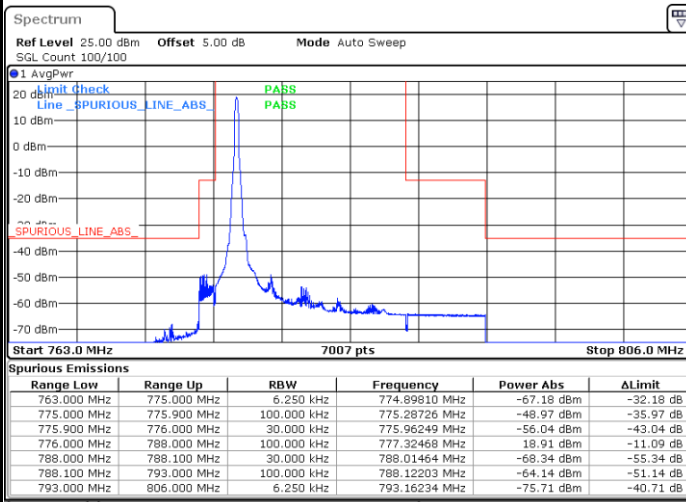
Date: 14.MAR.2024 14:08:28

Date: 14.MAR.2024 14:29:52



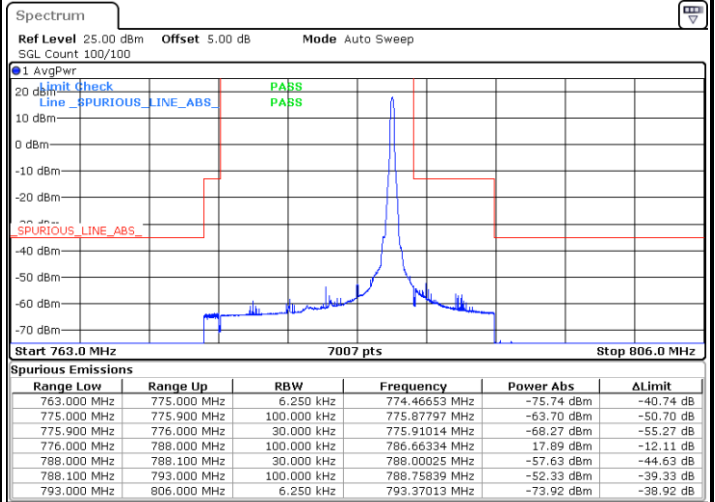
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB



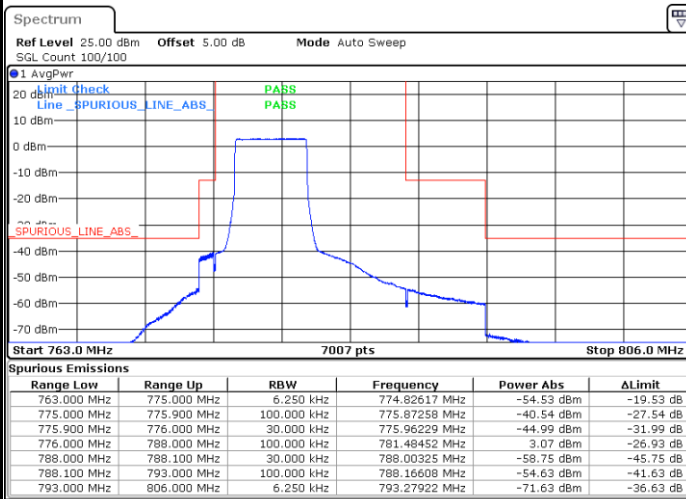
Date: 14.MAR.2024 14:02:53

Highest Band Edge / 1 RB



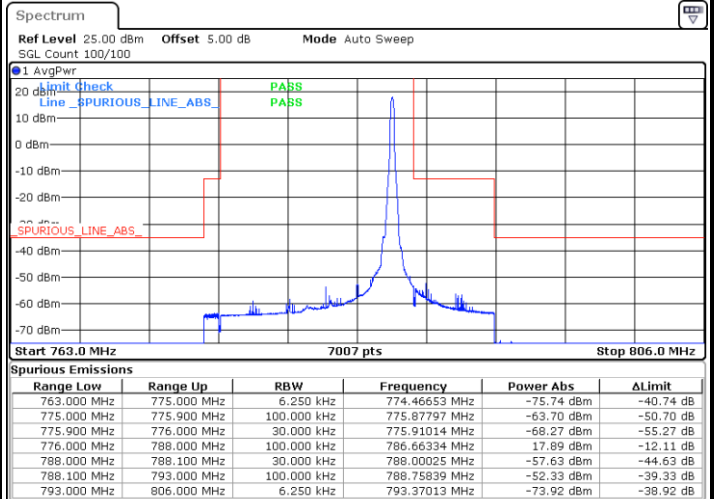
Date: 14.MAR.2024 14:18:25

Lowest Band Edge / Full RB



Date: 14.MAR.2024 14:10:20

Highest Band Edge / Full RB

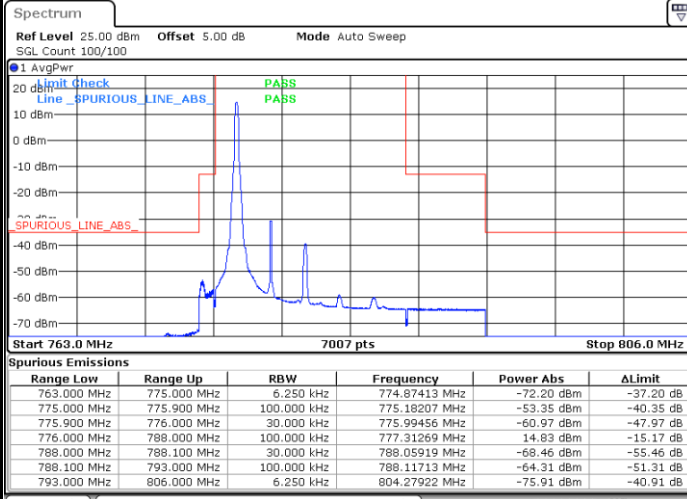


Date: 14.MAR.2024 14:18:25



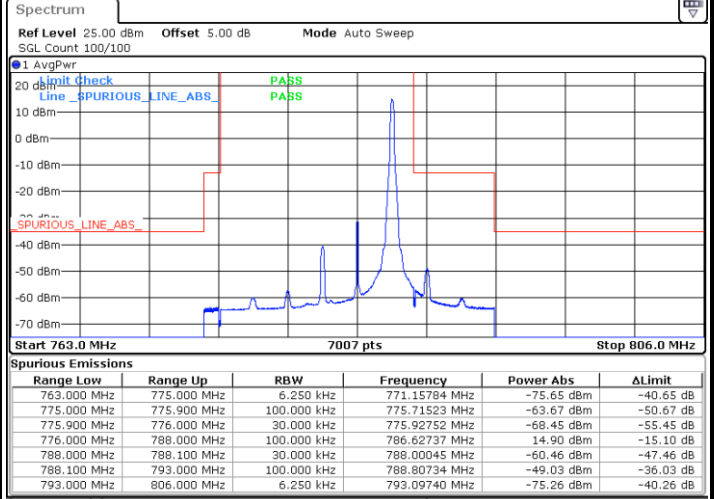
LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1RB



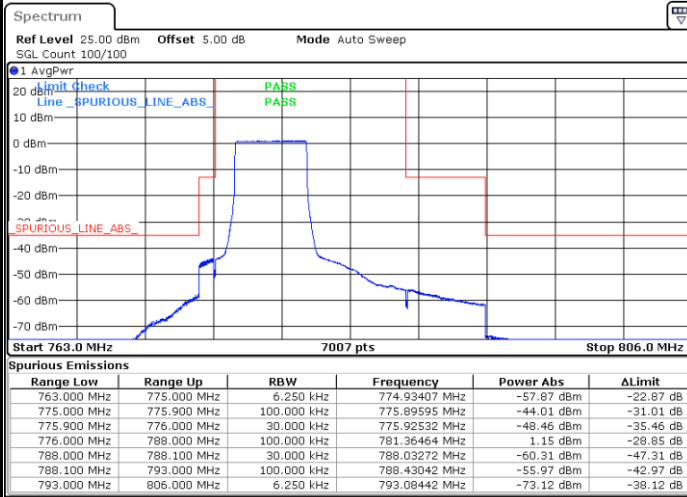
Date: 14.MAR.2024 14:04:45

Highest Band Edge / 1 RB



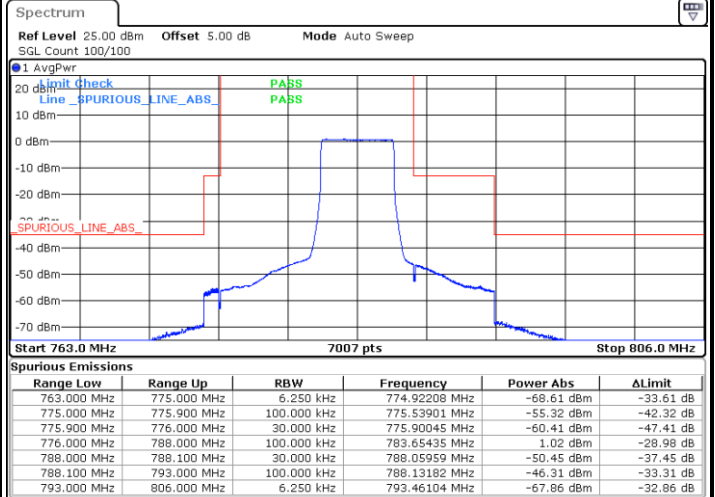
Date: 14.MAR.2024 15:03:09

Lowest Band Edge / Full RB



Date: 14.MAR.2024 14:12:13

Highest Band Edge / Full RB

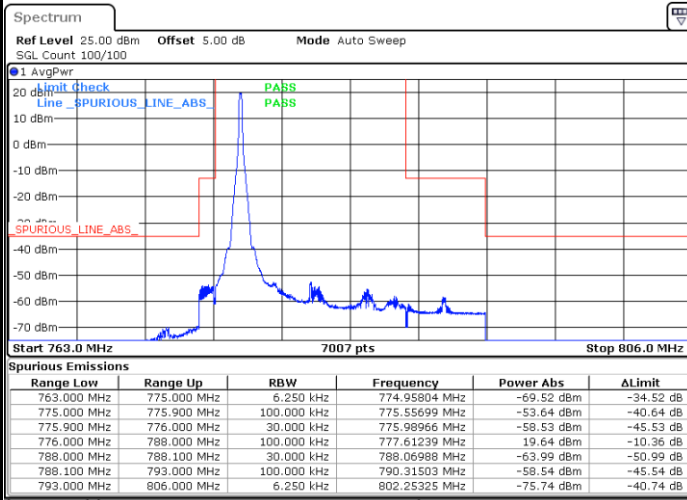


Date: 14.MAR.2024 14:33:35



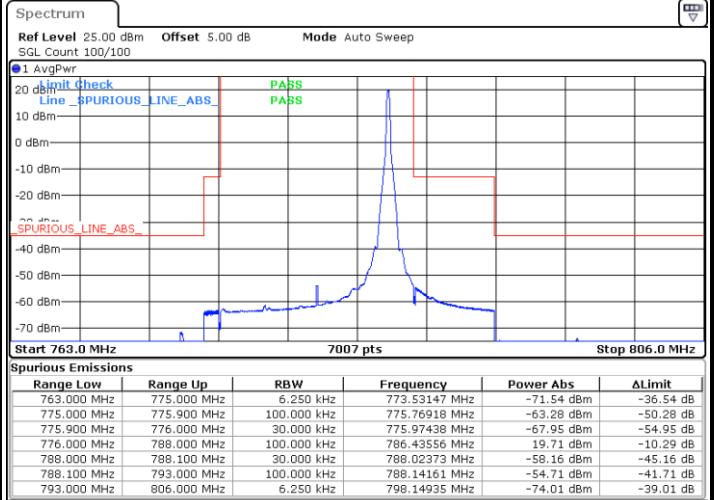
LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB



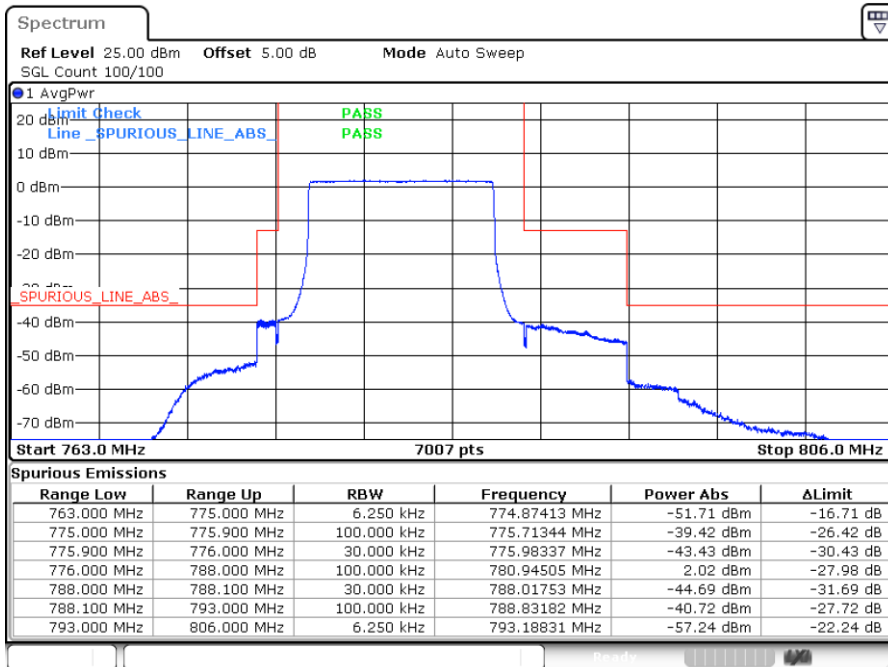
Date: 14.MAR.2024 14:37:18

middle Band Edge / 1 RB



Date: 14.MAR.2024 14:52:01

Middle Band Edge / Full RB

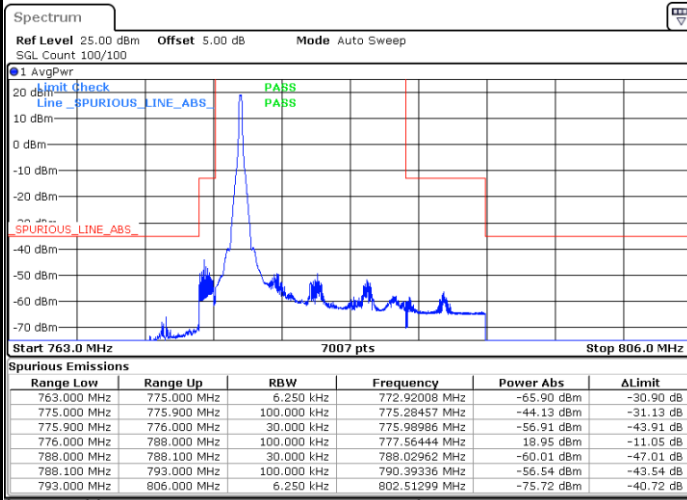


Date: 14.MAR.2024 14:44:39



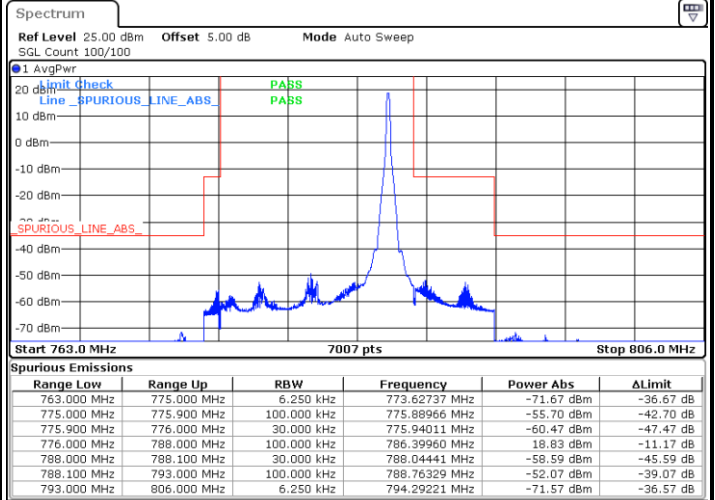
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



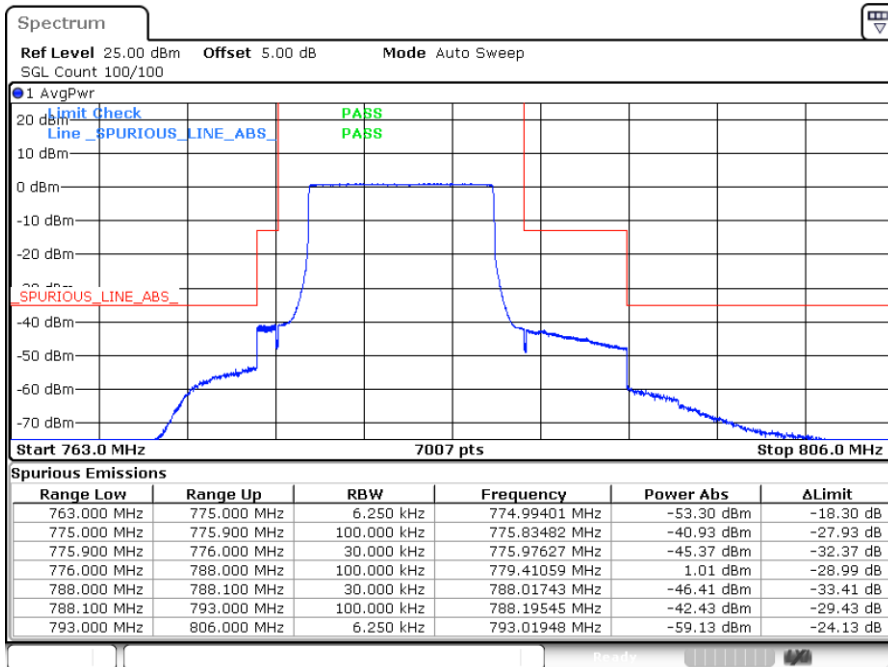
Date: 14.MAR.2024 14:39:08

middle Band Edge / 1 RB



Date: 14.MAR.2024 14:53:51

middle Band Edge / Full RB

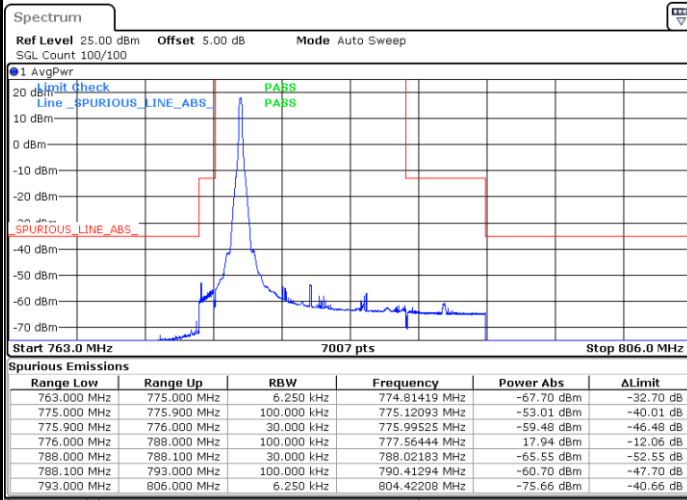


Date: 14.MAR.2024 14:46:30



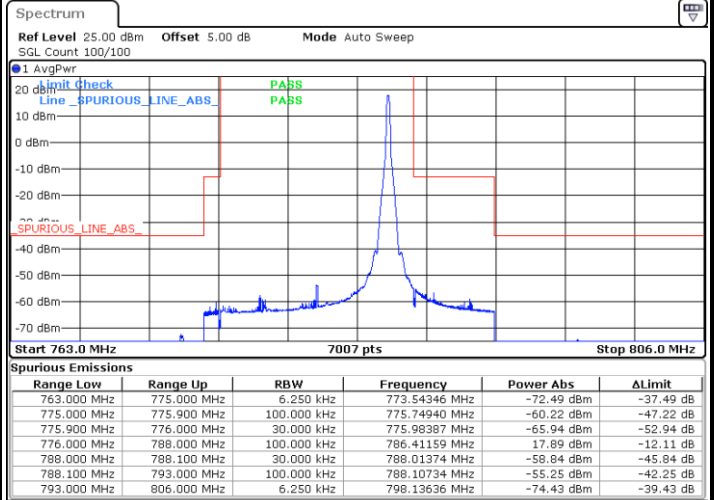
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



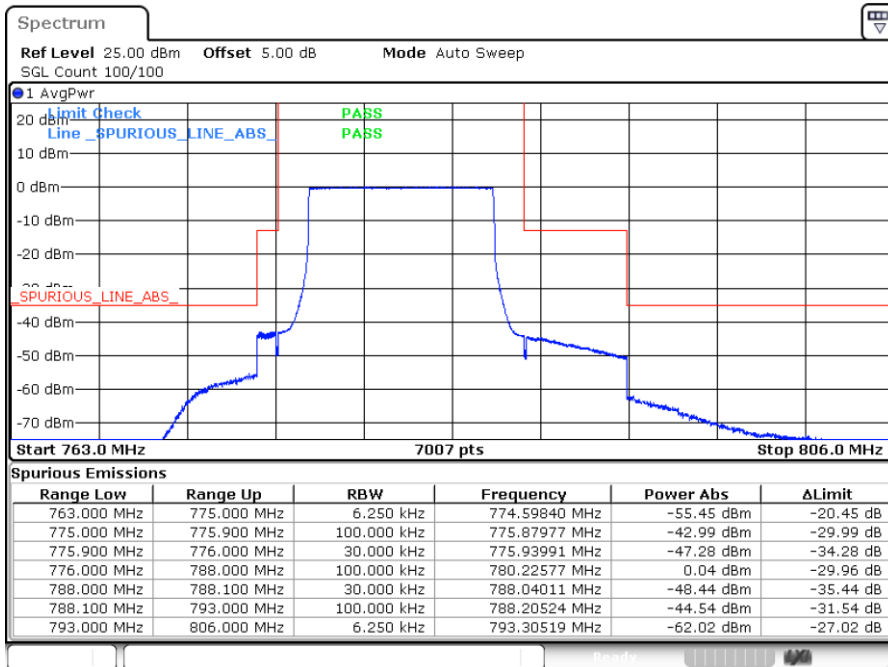
Date: 14.MAR.2024 14:40:58

middle Band Edge / 1 RB



Date: 14.MAR.2024 14:55:42

middle Band Edge / Full RB



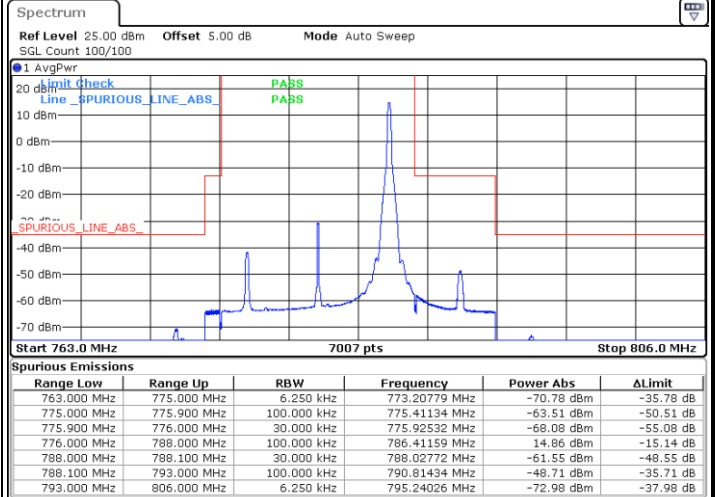
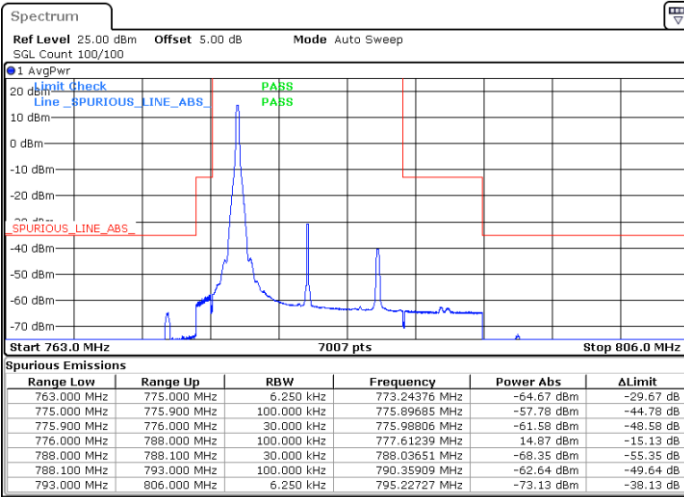
Date: 14.MAR.2024 14:48:20



LTE Band 13 / 10MHz / 256QAM

middle Band Edge / 1 RB

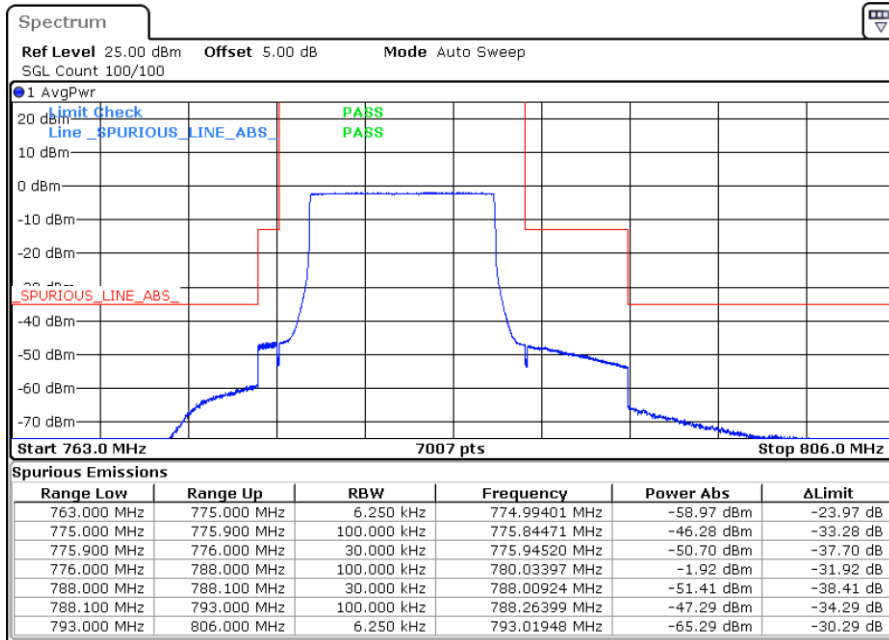
middle Band Edge / 1 RB



Date: 14.MAR.2024 14:42:49

Date: 14.MAR.2024 14:57:32

middle Band Edge / Full RB



Date: 14.MAR.2024 14:50:10

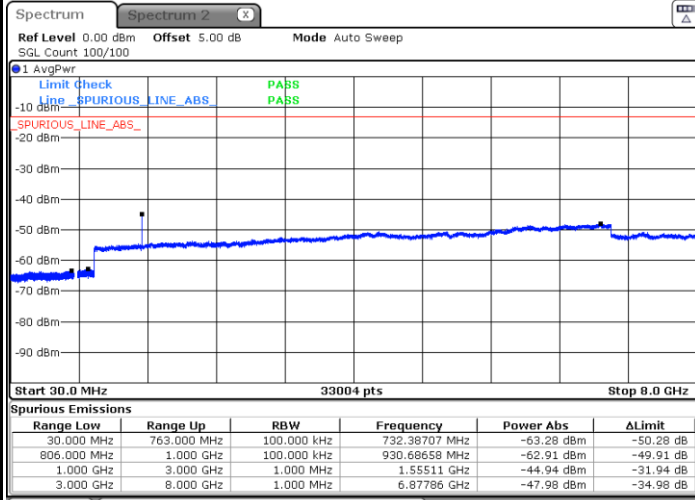


Conducted Spurious Emission

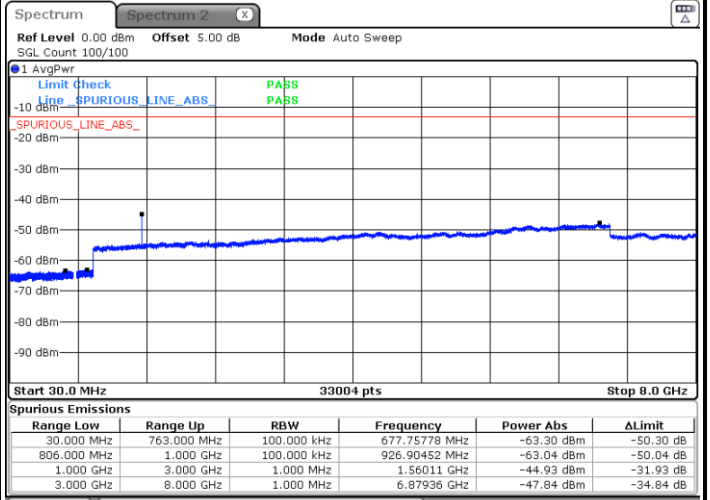
LTE Band 13 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

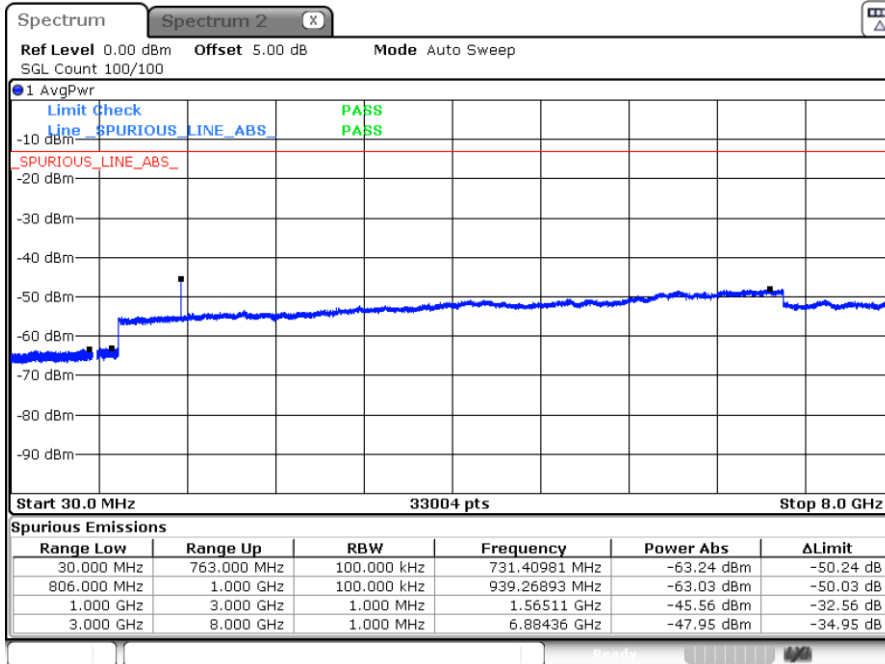


Date: 1.MAR.2024 03:35:04



Date: 1.MAR.2024 04:01:30

Highest Channel / QPSK

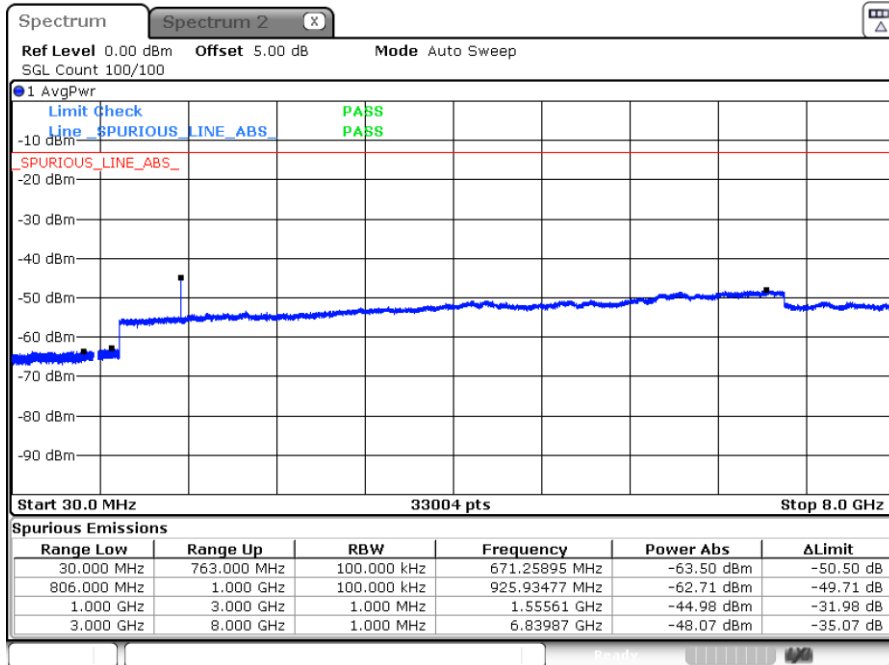


Date: 1.MAR.2024 04:02:56



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 1.MAR.2024 04:22:17



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	0.0041	PASS
40	Normal Voltage	0.0034	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0022	

Note:

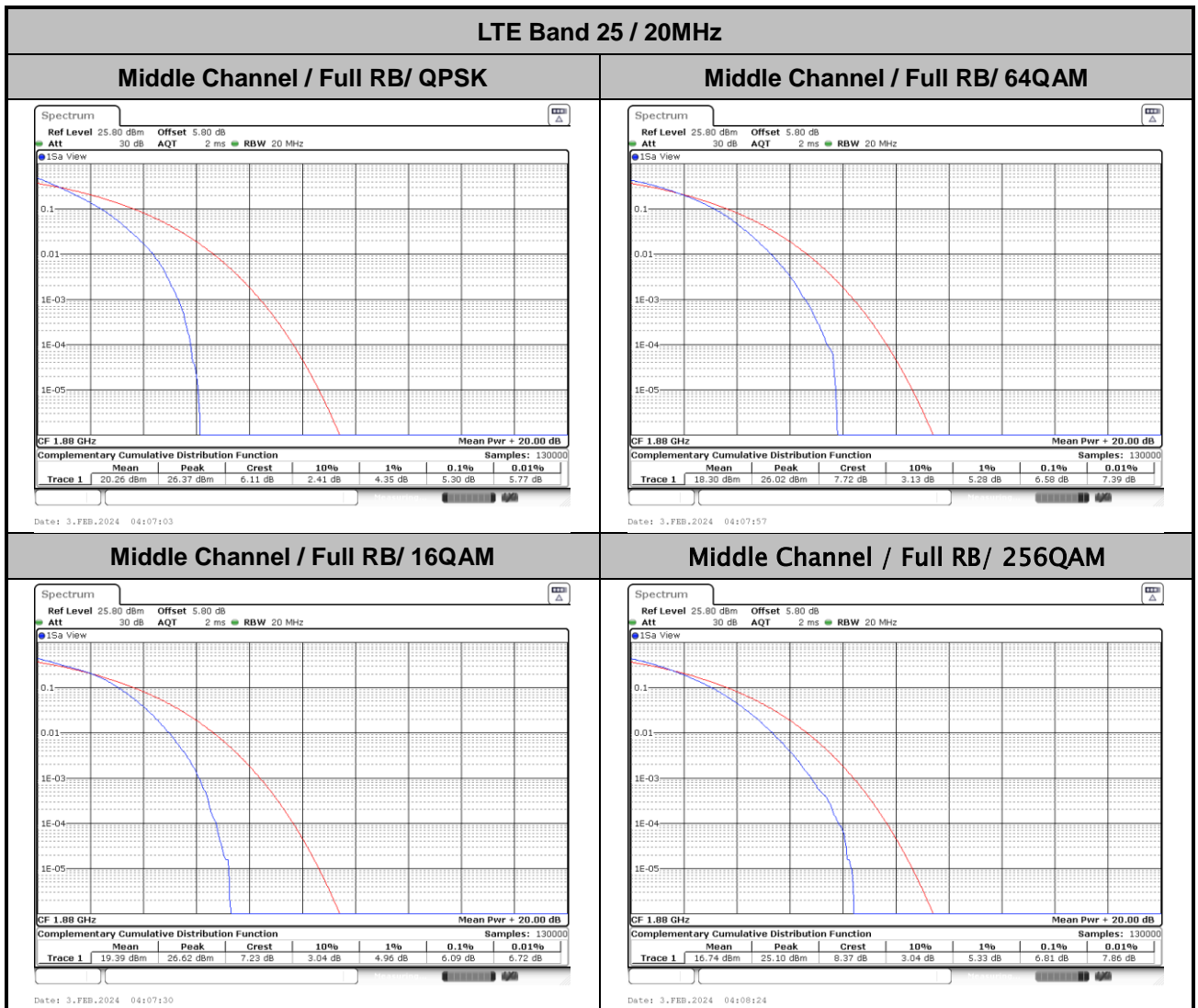
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.30	6.09	6.58	6.81	PASS





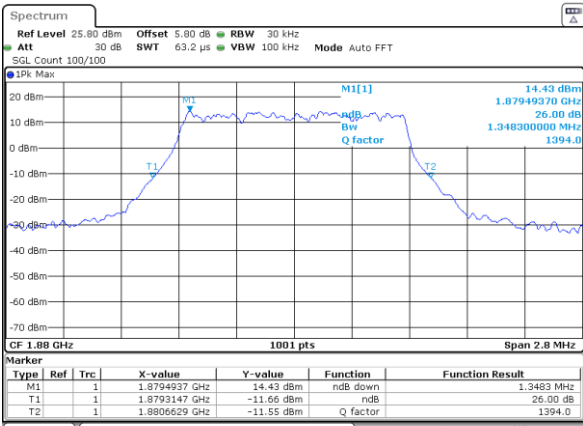
26dB Bandwidth

Mode	LTE Band 25 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.35	1.35
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.07	3.09
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.14	5.11
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.89	9.77
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.42	14.36
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.14	18.90



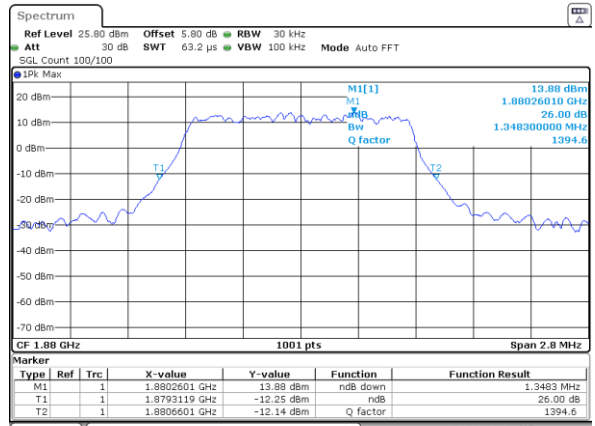
LTE Band 25

Middle Channel / 1.4MHz / QPSK



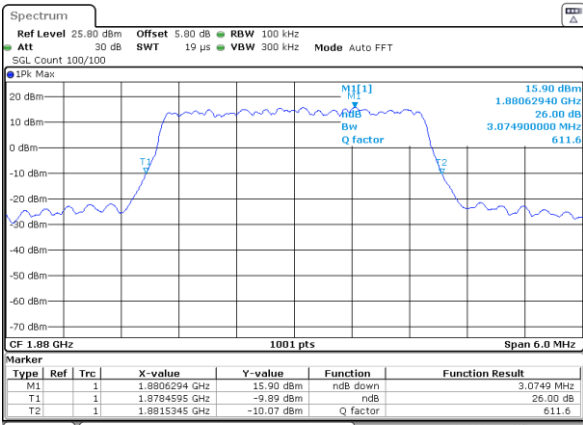
Date: 3.FEB.2024 03:14:32

Middle Channel / 1.4MHz / 16QAM



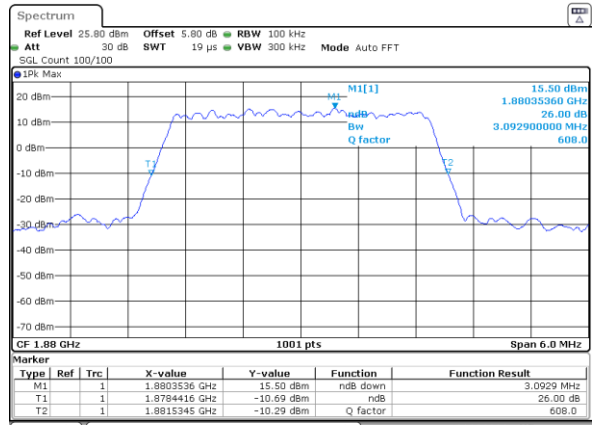
Date: 3.FEB.2024 03:14:56

Middle Channel / 3MHz / QPSK



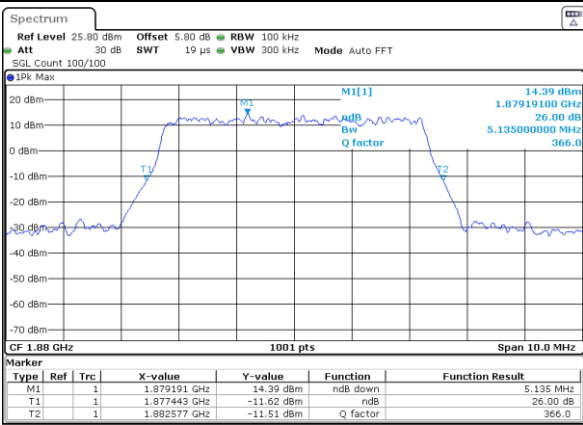
Date: 3.FEB.2024 03:25:22

Middle Channel / 3MHz / 16QAM



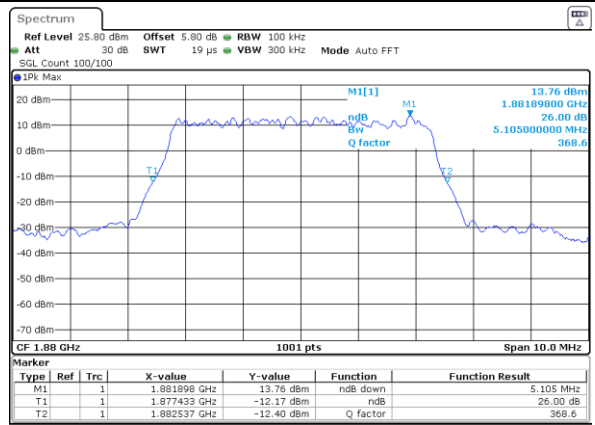
Date: 3.FEB.2024 03:26:11

Middle Channel / 5MHz / QPSK



Date: 3.FEB.2024 03:36:09

Middle Channel / 5MHz / 16QAM

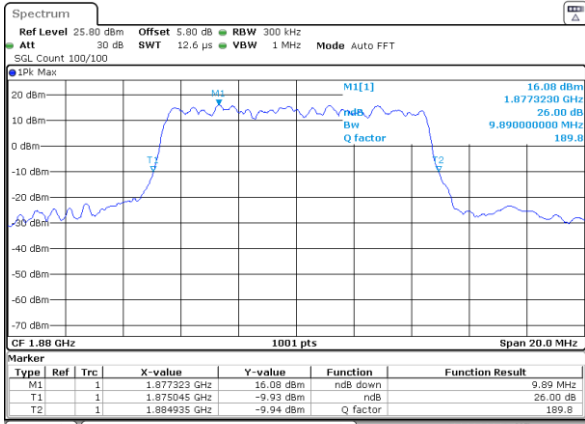


Date: 3.FEB.2024 03:36:34



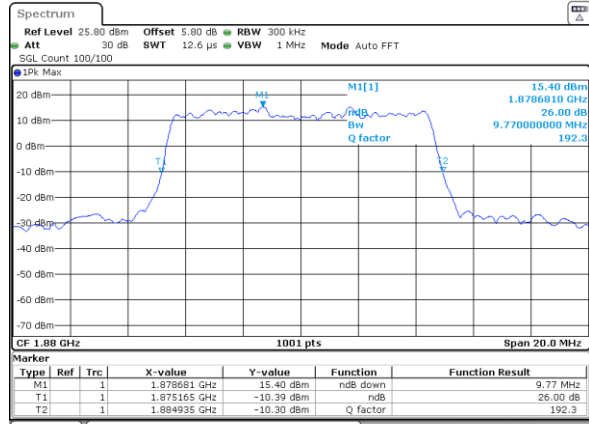
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 3.FEB.2024 03:45:34

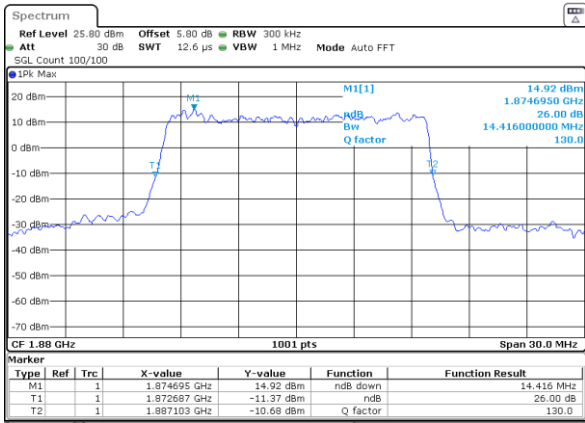
Middle Channel / 10MHz / 16QAM



Date: 3.FEB.2024 03:46:23

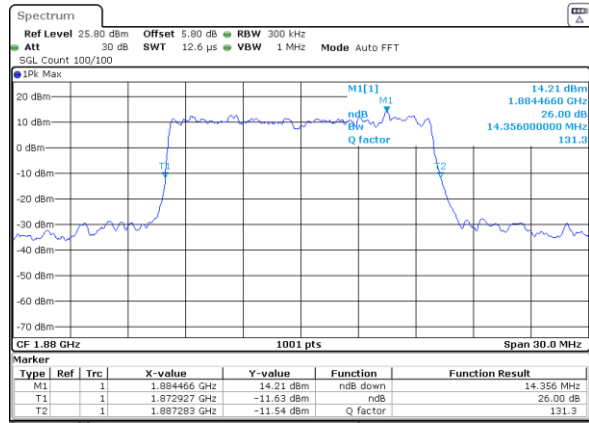
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 3.FEB.2024 03:47:14

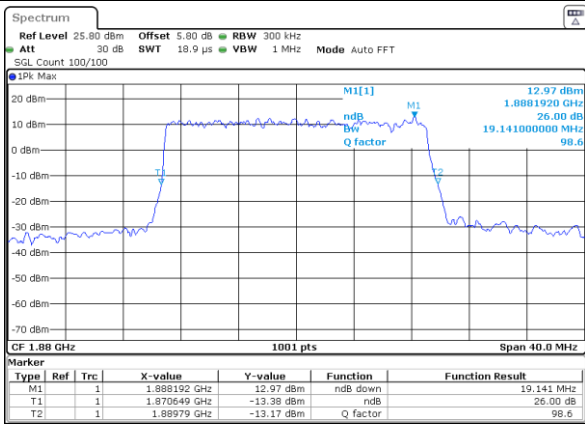
Middle Channel / 15MHz / 16QAM



Date: 3.FEB.2024 03:47:39

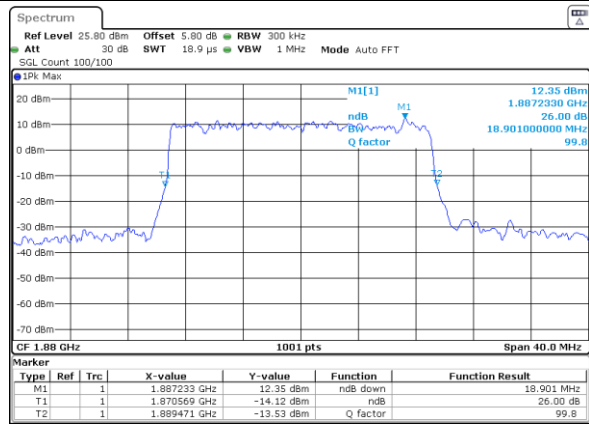
LTE Band 25

Middle Channel / 20MHz / QPSK



Date: 3.FEB.2024 03:58:03

Middle Channel / 20MHz / 16QAM



Date: 3.FEB.2024 03:58:27



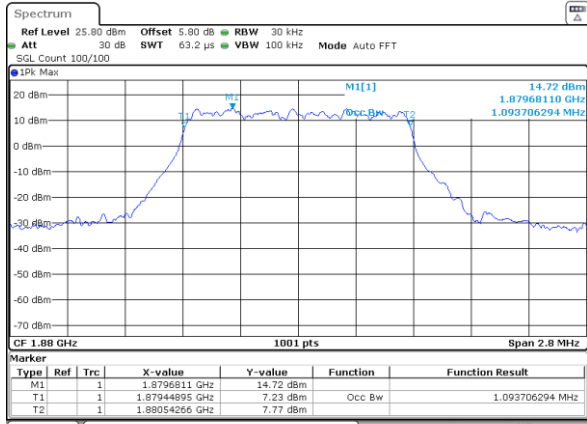
Occupied Bandwidth

Mode	LTE Band 25 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.73	2.72
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.03
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.49
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.98



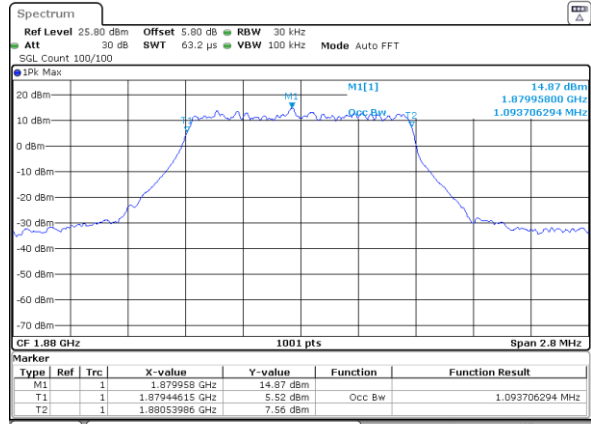
LTE Band 25

Middle Channel / 1.4MHz / QPSK



Date: 3.FEB.2024 03:14:07

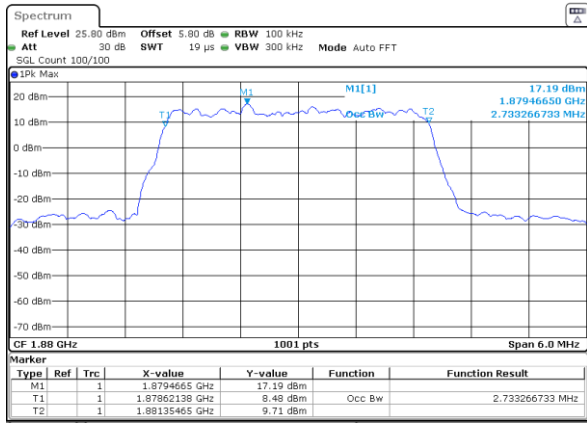
Middle Channel / 1.4MHz / 16QAM



Date: 3.FEB.2024 03:15:21

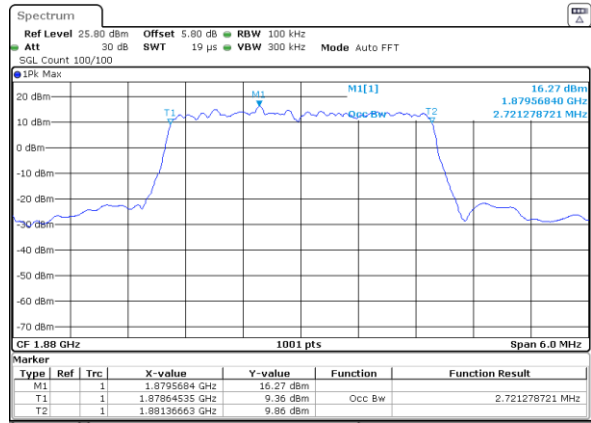
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 3.FEB.2024 03:24:57

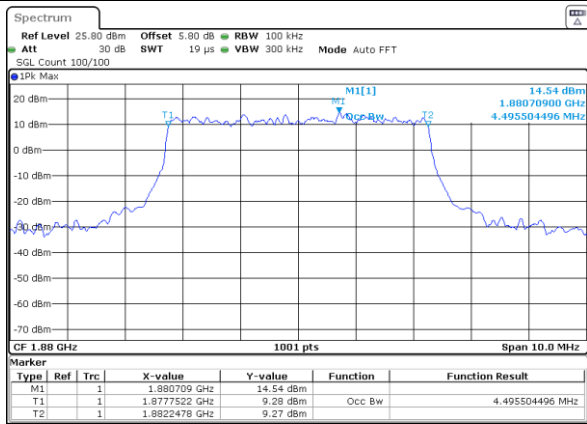
Middle Channel / 3MHz / 16QAM



Date: 3.FEB.2024 03:25:46

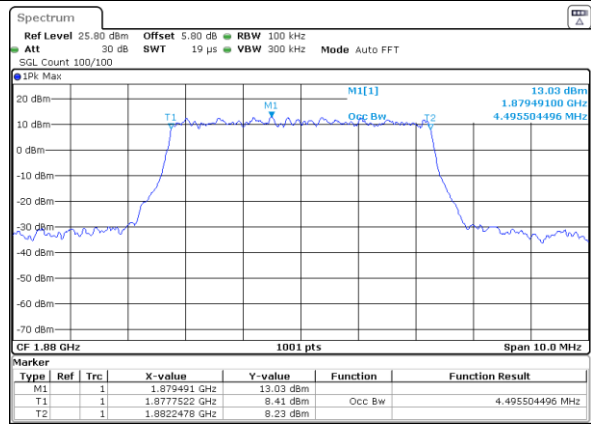
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 3.FEB.2024 03:35:45

Middle Channel / 5MHz / 16QAM



Date: 3.FEB.2024 03:36:58