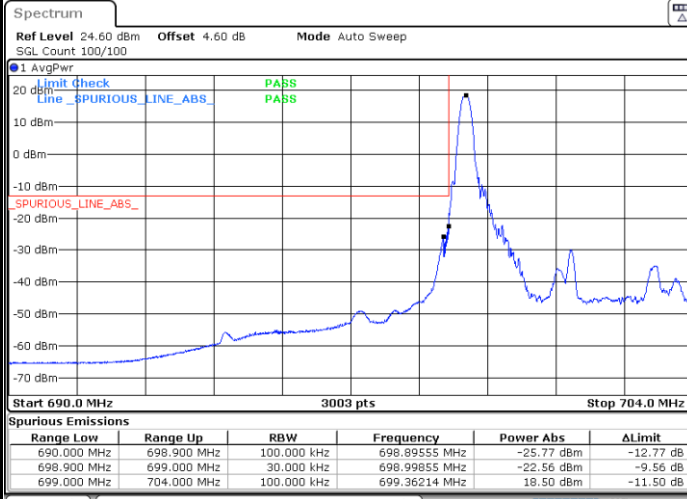




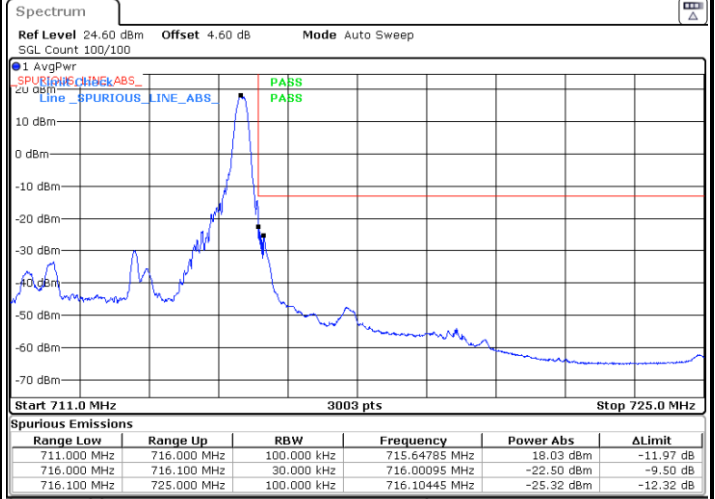
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



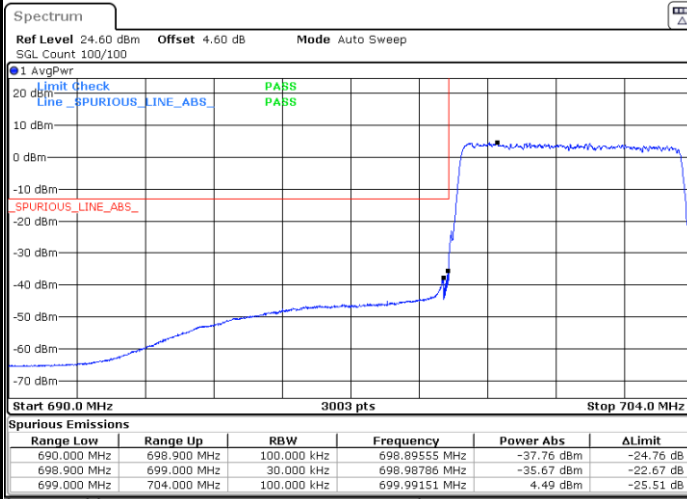
Date: 5 JUN, 2024 18:40:00

Highest Band Edge / 1 RB



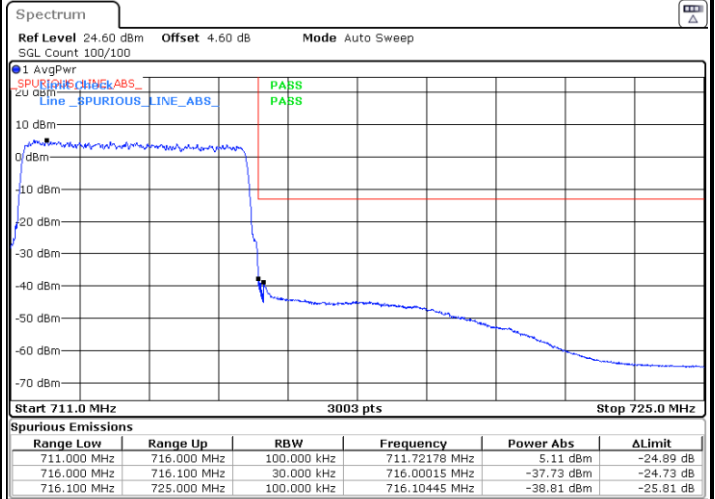
Date: 5 JUN, 2024 18:56:22

Lowest Band Edge / Full RB



Date: 5 JUN, 2024 18:44:44

Highest Band Edge / Full RB

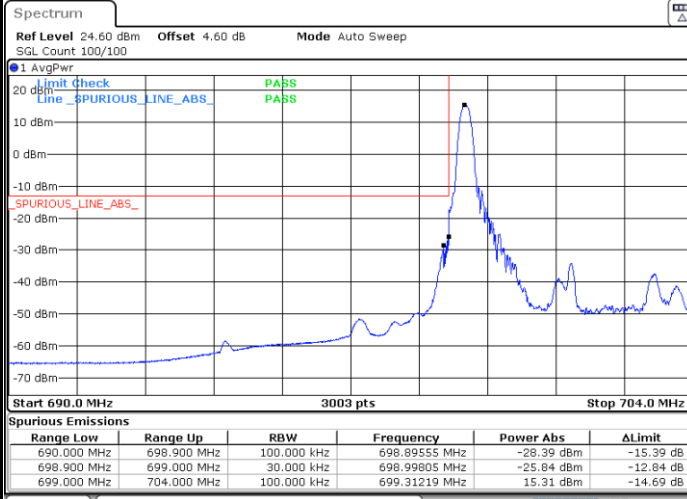


Date: 5 JUN, 2024 19:00:58



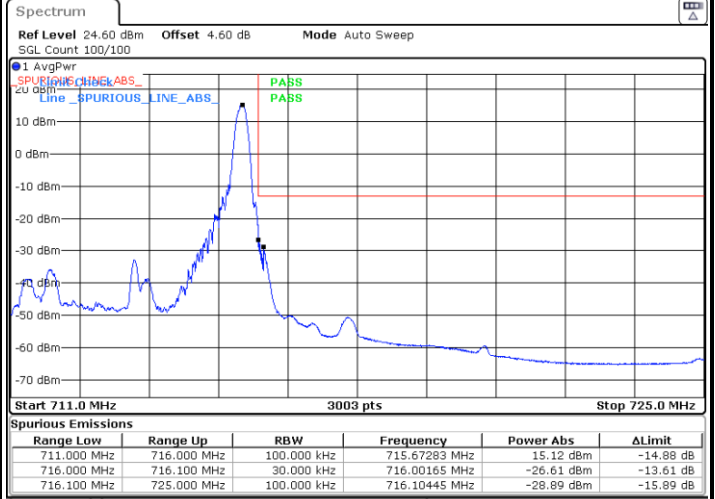
LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / 1RB



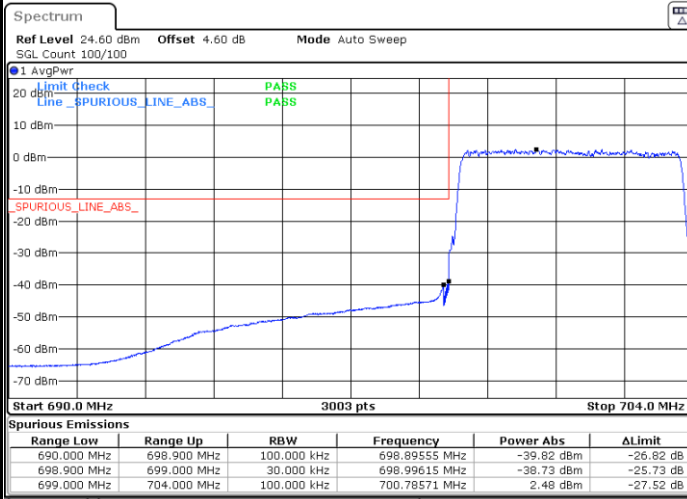
Date: 5 JUN, 2024 18:41:00

Highest Band Edge / 1 RB



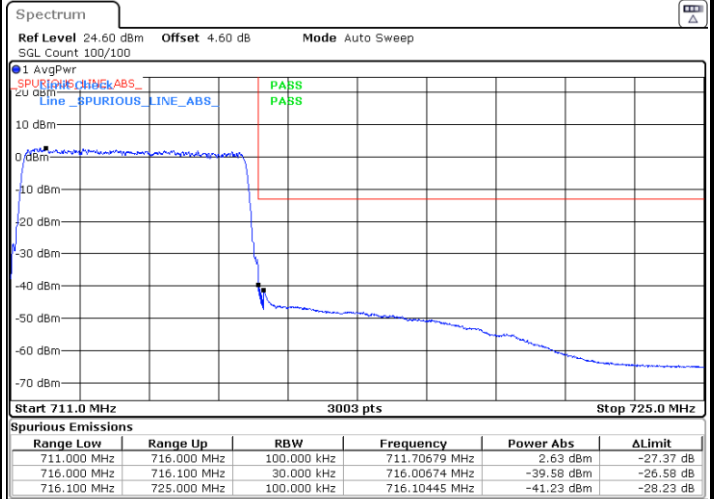
Date: 5 JUN, 2024 18:57:23

Lowest Band Edge / Full RB



Date: 5 JUN, 2024 18:43:44

Highest Band Edge / Full RB

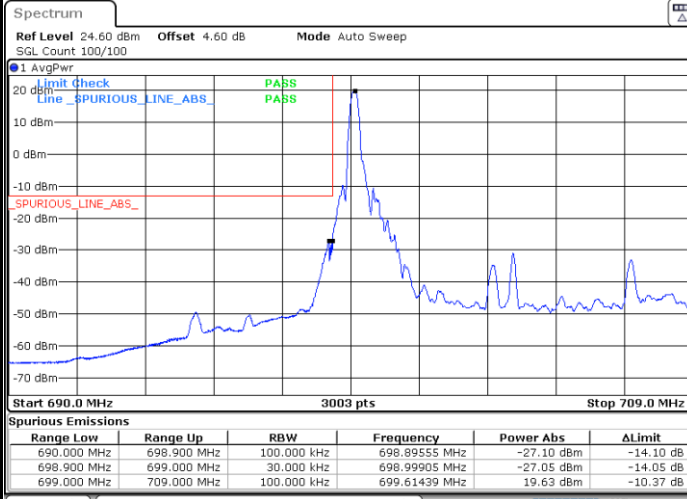


Date: 5 JUN, 2024 18:59:58



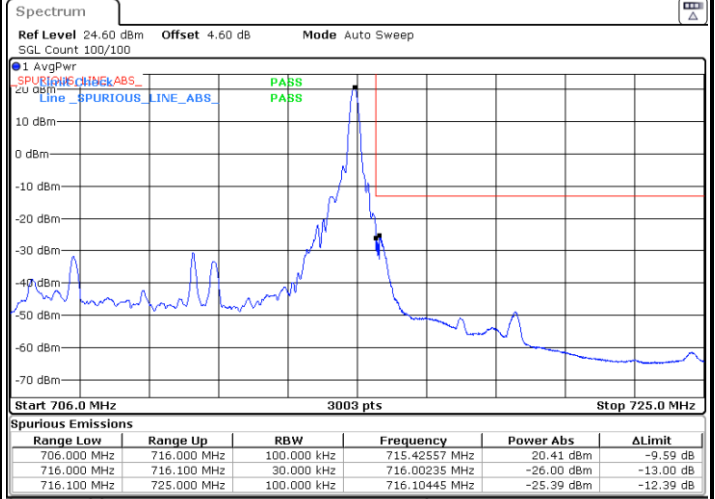
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



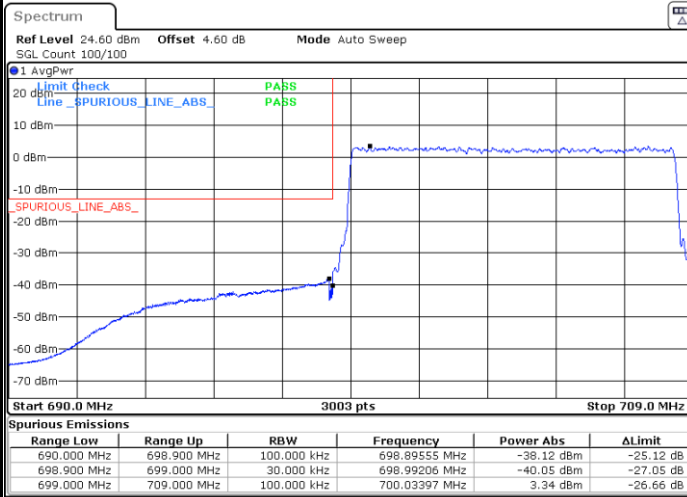
Date: 5 JUN, 2024 19:06:06

Highest Band Edge / 1 RB



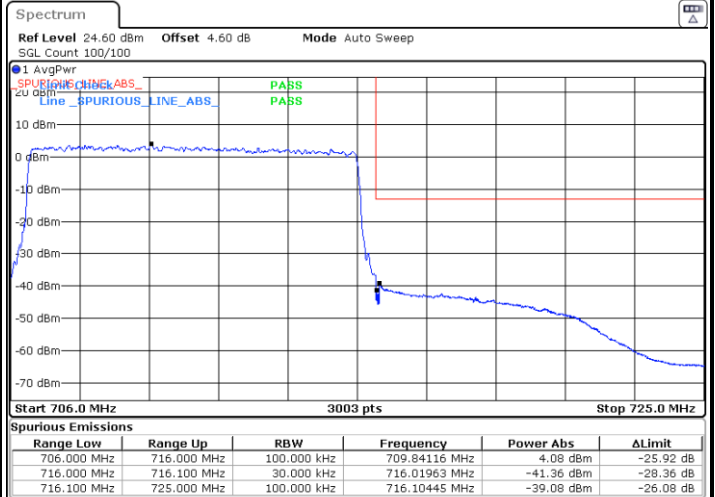
Date: 5 JUN, 2024 19:24:49

Lowest Band Edge / Full RB



Date: 5 JUN, 2024 19:15:28

Highest Band Edge / Full RB

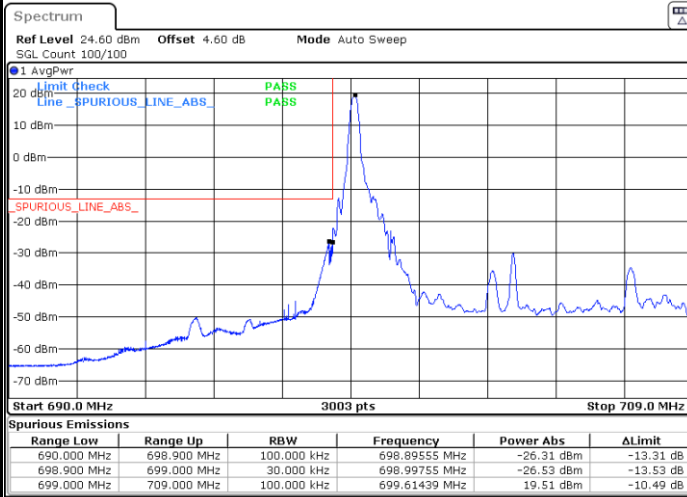


Date: 5 JUN, 2024 19:34:06



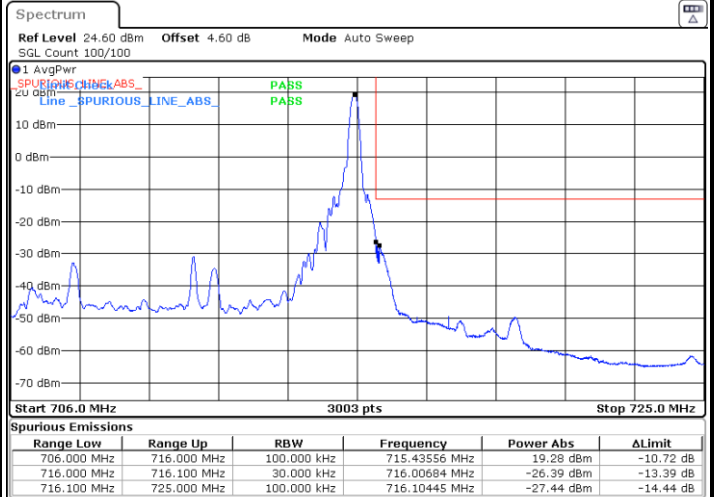
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



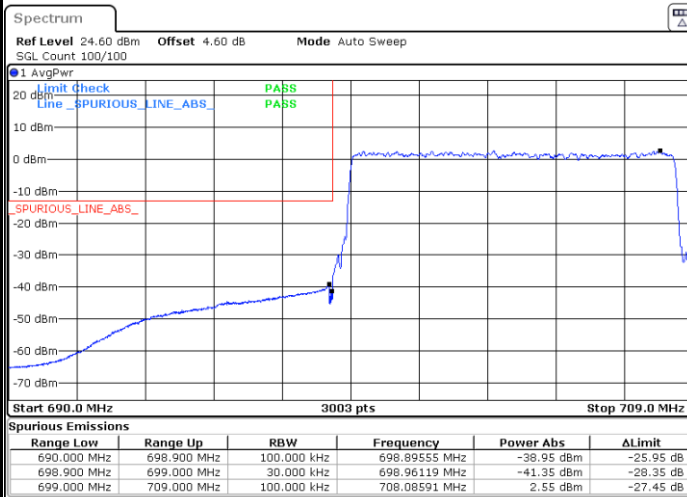
Date: 5 JUN, 2024 19:07:09

Highest Band Edge / 1 RB



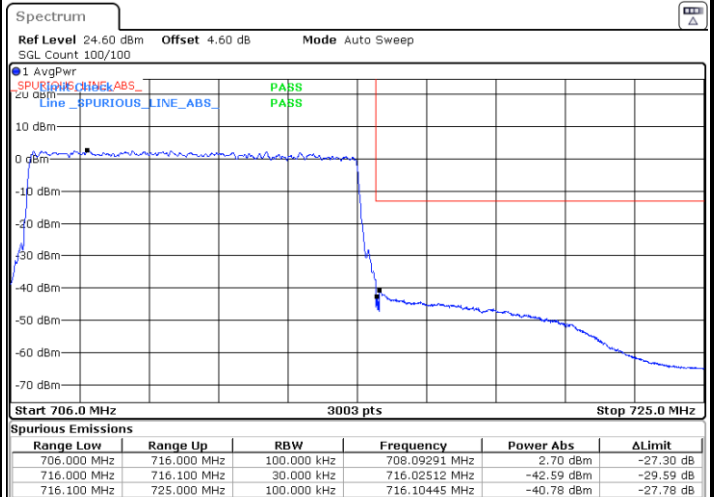
Date: 5 JUN, 2024 19:25:53

Lowest Band Edge / Full RB



Date: 5 JUN, 2024 19:14:28

Highest Band Edge / Full RB

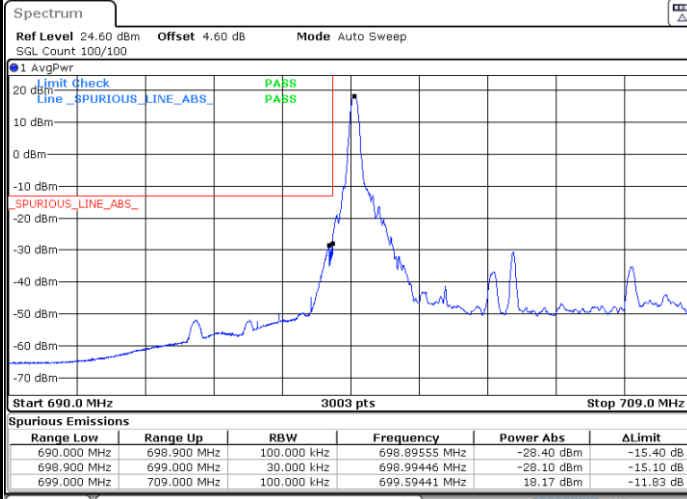


Date: 5 JUN, 2024 19:33:05



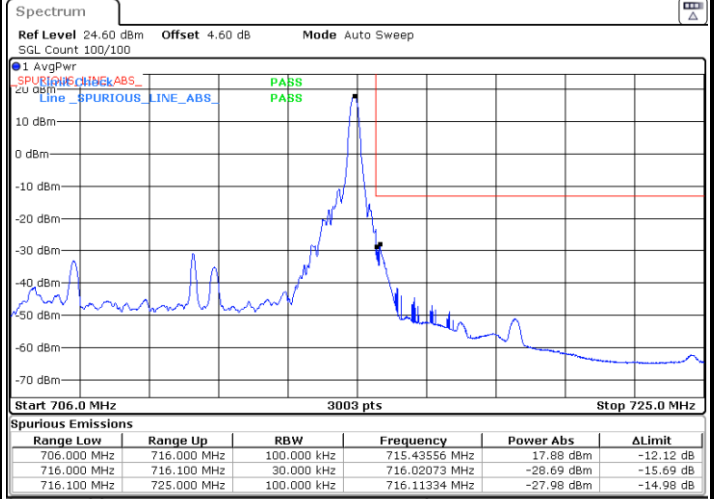
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



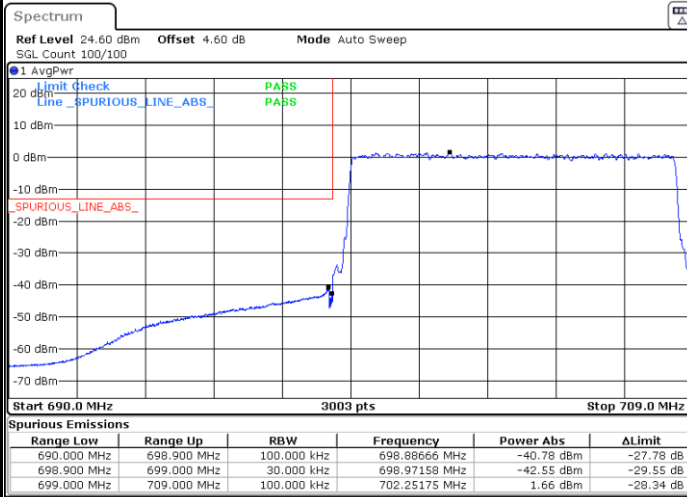
Date: 5 JUN, 2024 19:08:10

Highest Band Edge / 1 RB



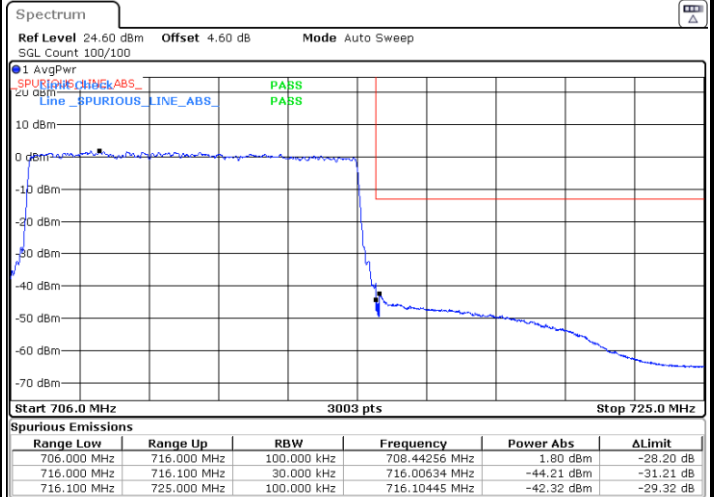
Date: 5 JUN, 2024 19:26:53

Lowest Band Edge / Full RB



Date: 5 JUN, 2024 19:13:27

Highest Band Edge / Full RB

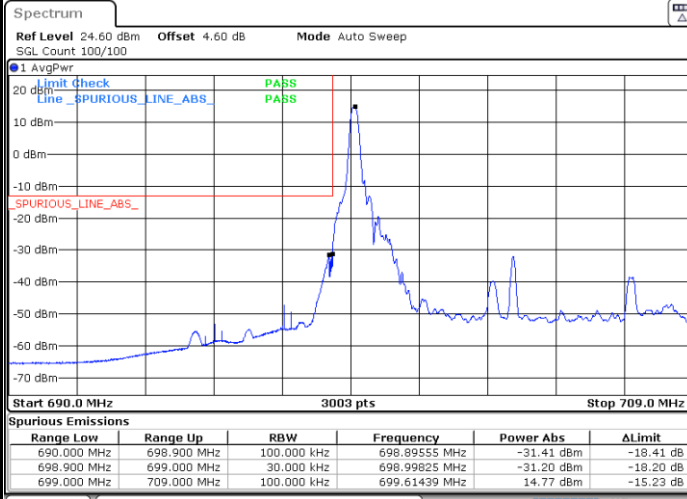


Date: 5 JUN, 2024 19:32:05



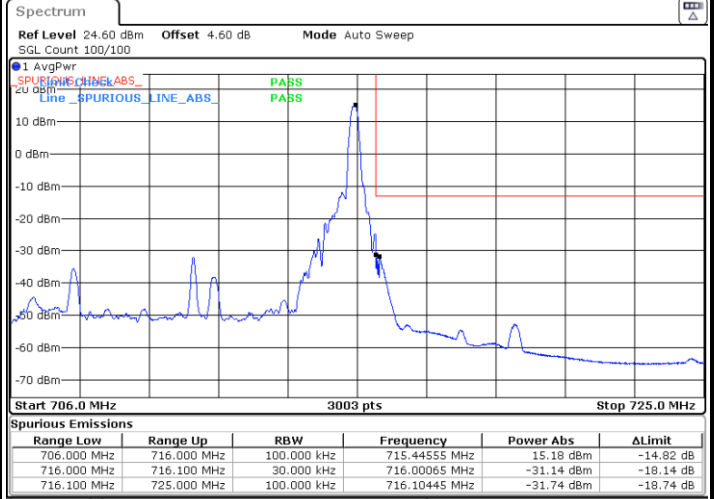
LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



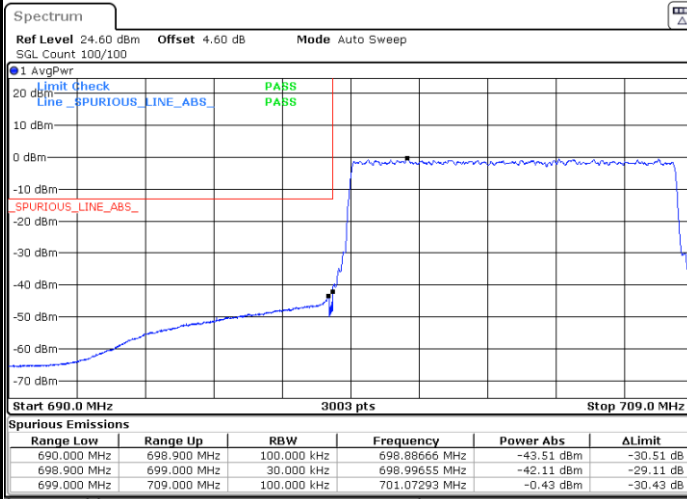
Date: 5 JUN.2024 19:09:11

Highest Band Edge / 1 RB



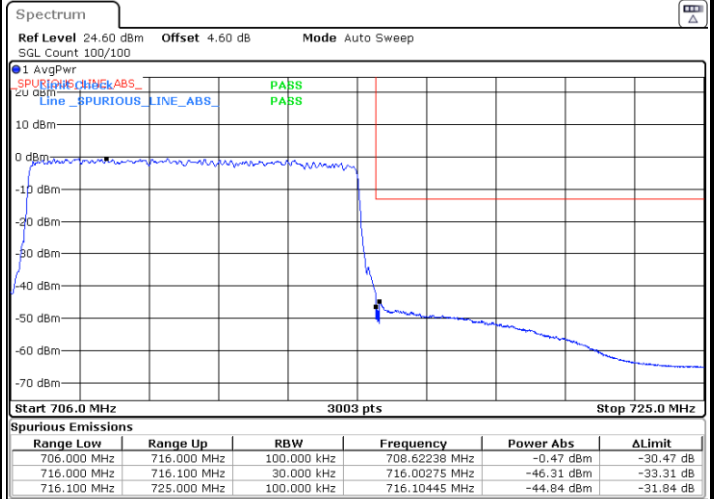
Date: 5 JUN.2024 19:27:53

Lowest Band Edge / Full RB



Date: 5 JUN.2024 19:12:26

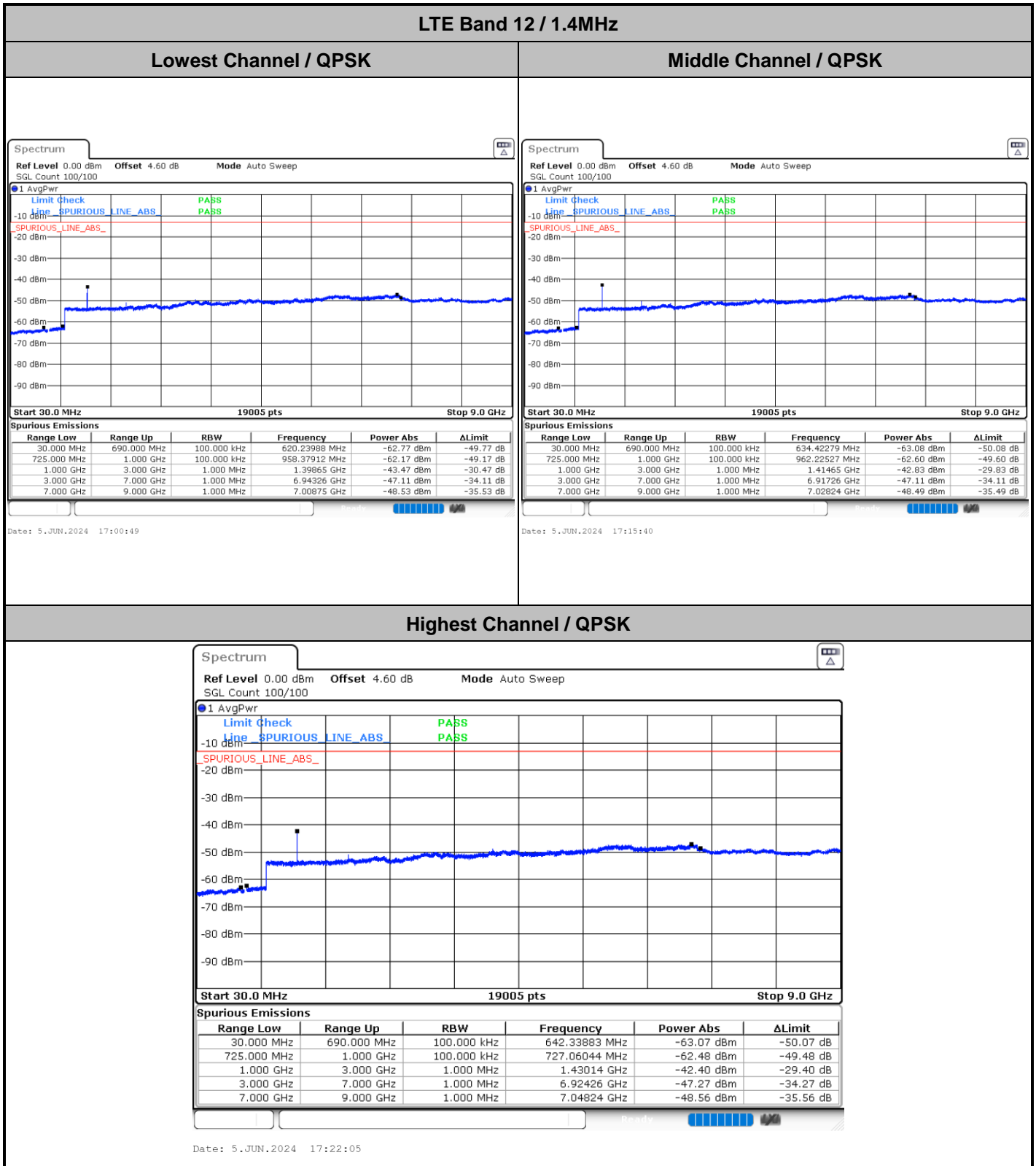
Highest Band Edge / Full RB



Date: 5 JUN.2024 19:31:04



Conducted Spurious Emission

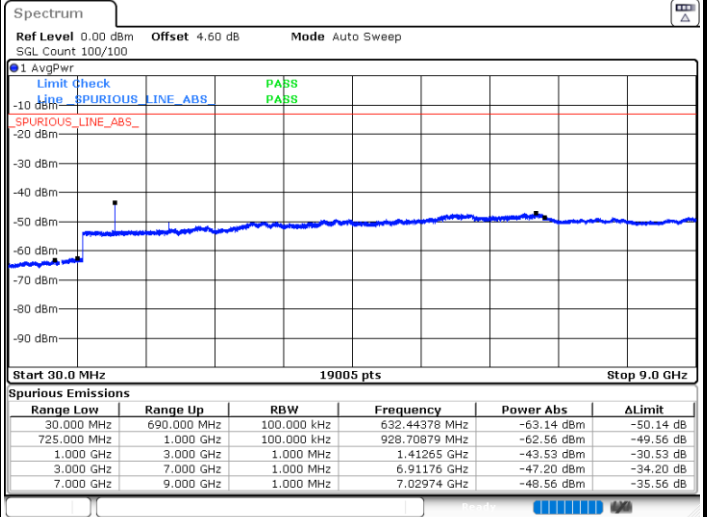
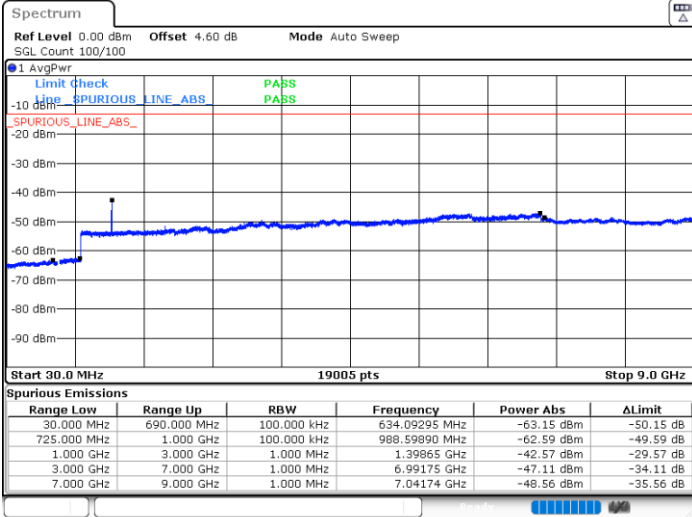




LTE Band 12 / 3MHz

Lowest Channel / QPSK

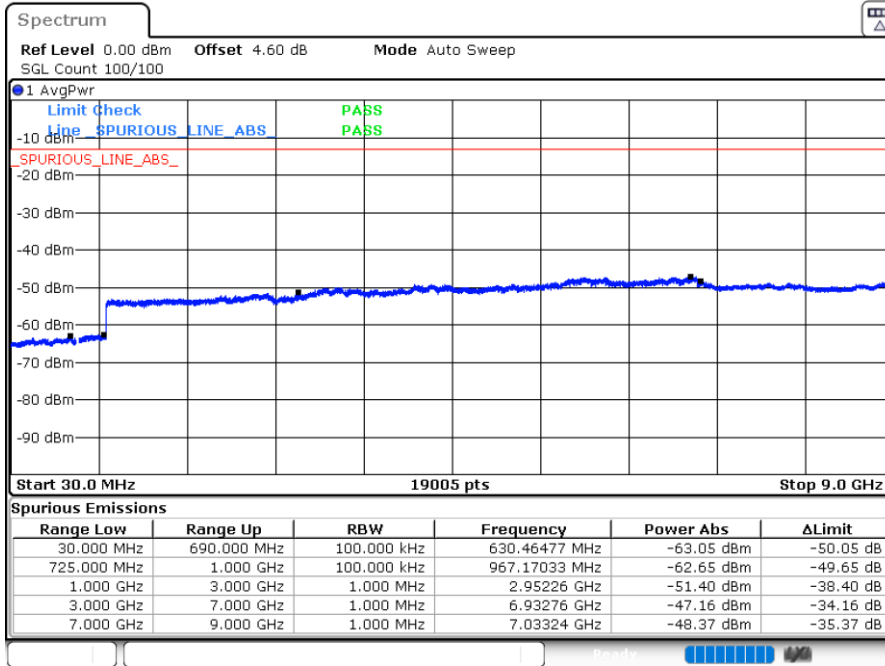
Middle Channel / QPSK



Date: 5 JUN.2024 18:06:19

Date: 5 JUN.2024 18:22:58

Highest Channel / QPSK



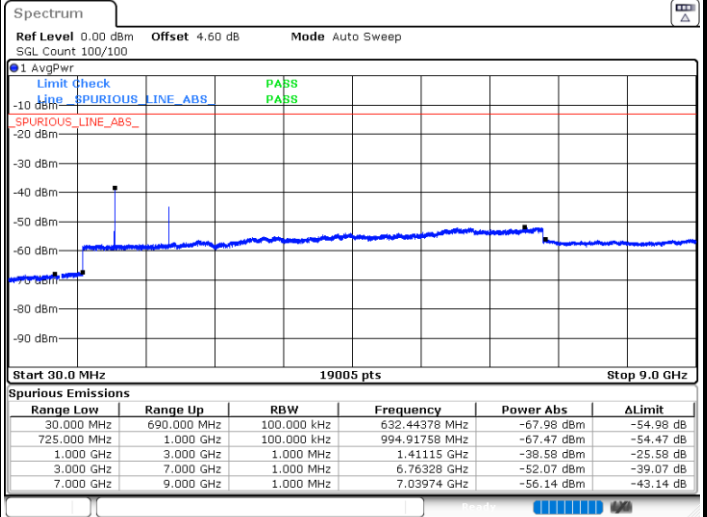
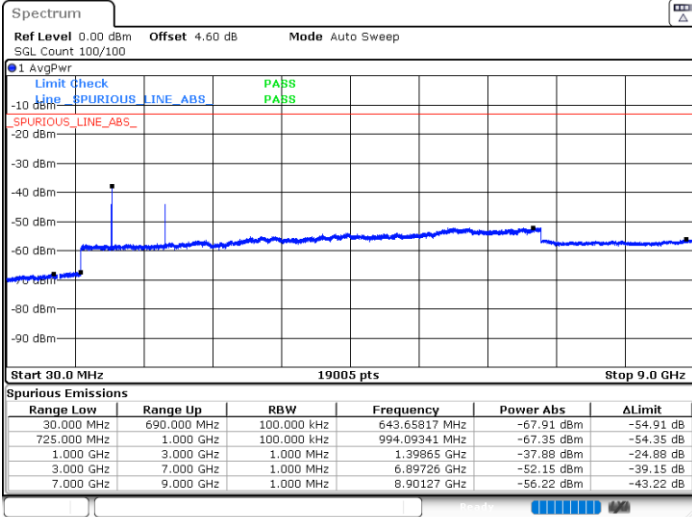
Date: 5 JUN.2024 18:24:58



LTE Band 12 / 5MHz

Lowest Channel / QPSK

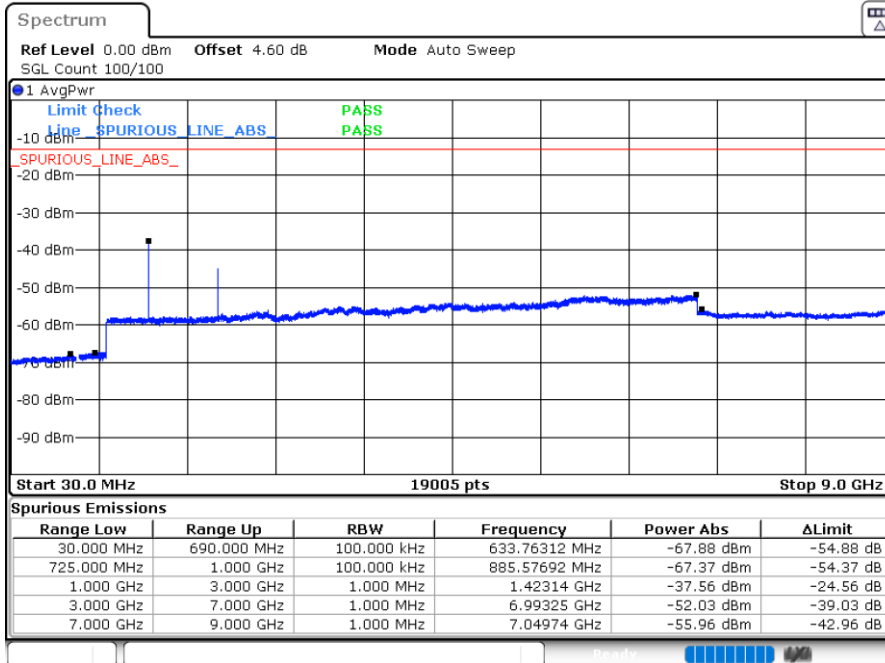
Middle Channel / QPSK



Date: 5 JUN.2024 18:36:53

Date: 5 JUN.2024 18:48:45

Highest Channel / QPSK



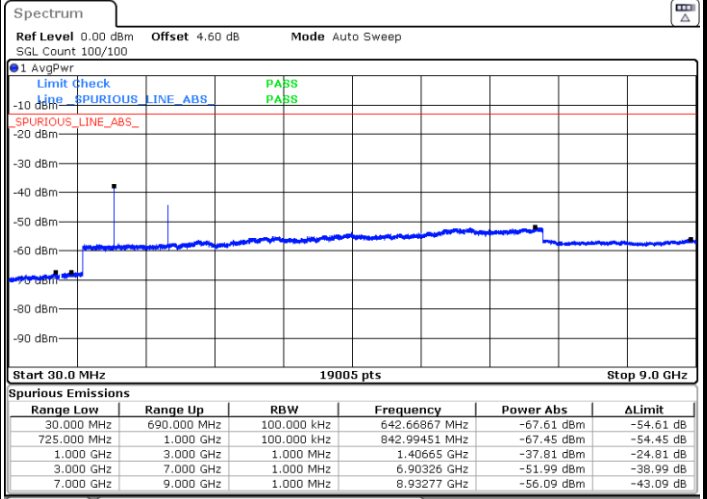
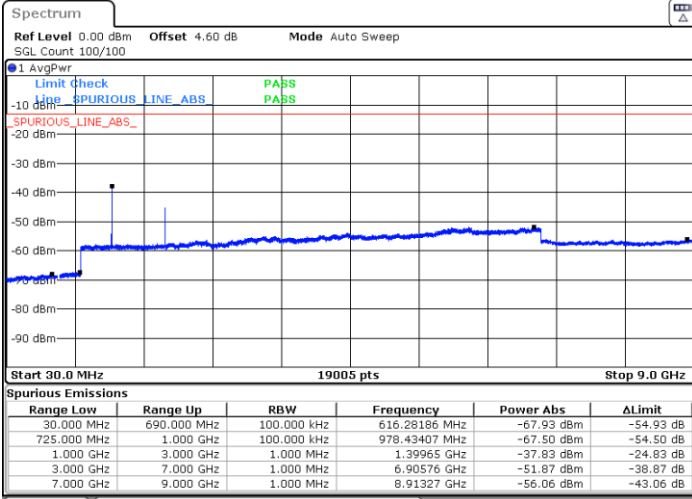
Date: 5 JUN.2024 18:53:20



LTE Band 12 / 10MHz

Lowest Channel / QPSK

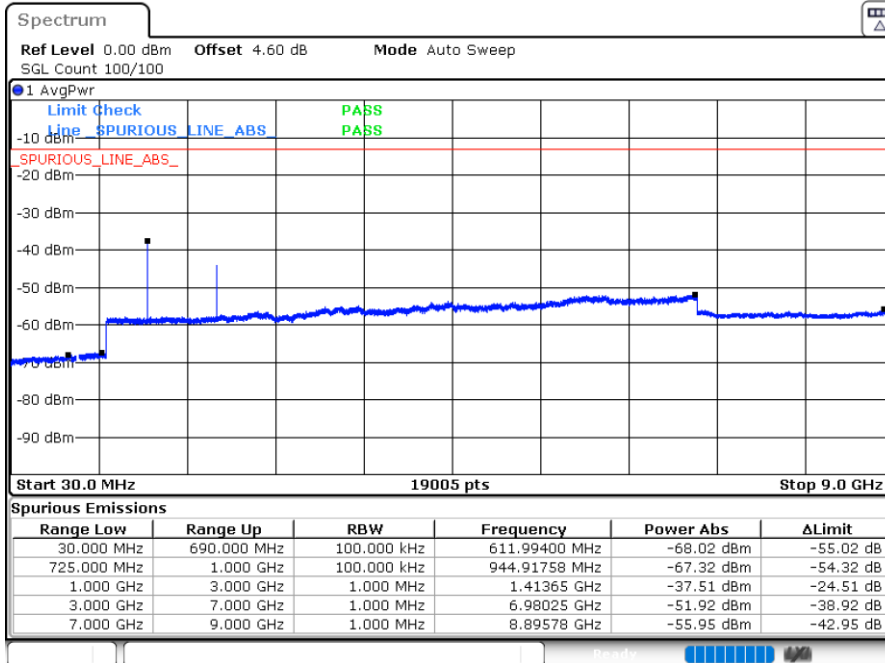
Middle Channel / QPSK



Date: 5 JUN.2024 19:05:02

Date: 5 JUN.2024 19:17:28

Highest Channel / QPSK



Date: 5 JUN.2024 19:23:46



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	0.0047	PASS
40	Normal Voltage	0.0066	
30	Normal Voltage	0.0062	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0051	
0	Normal Voltage	0.0043	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0031	

Note:

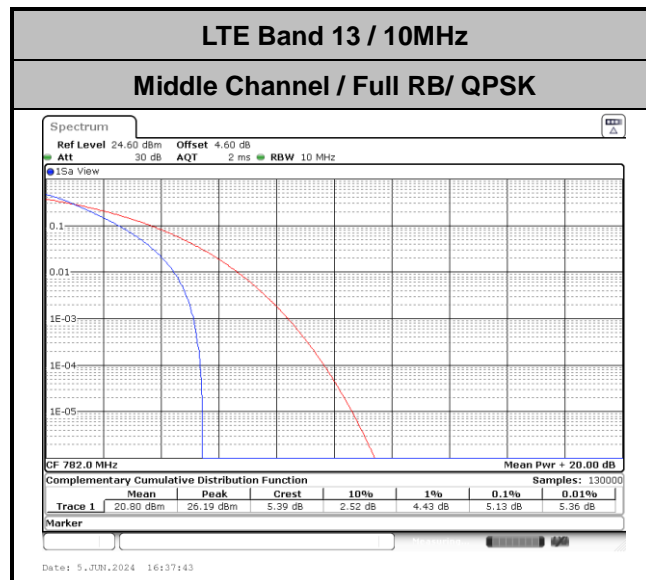
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

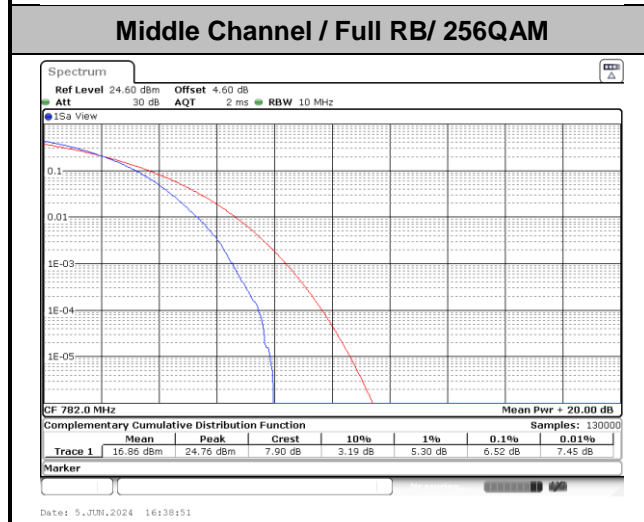
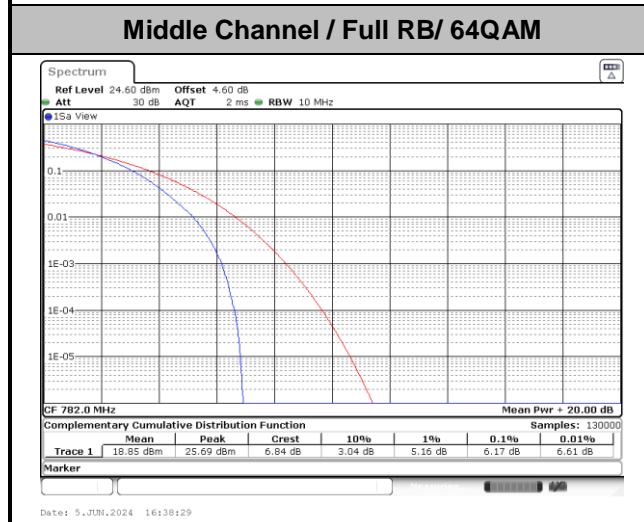
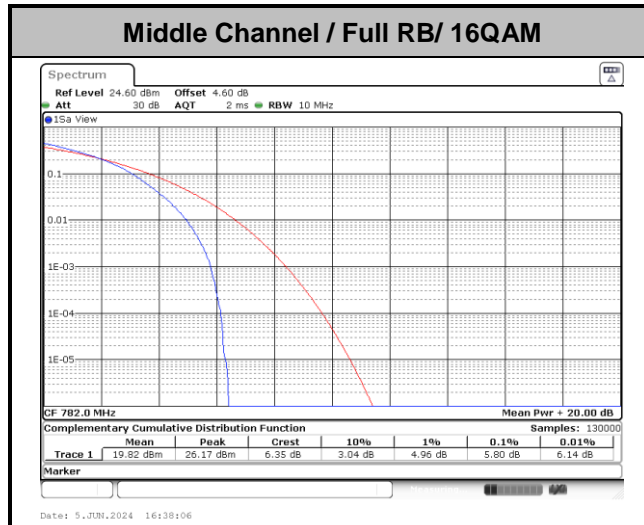


LTE Band 13

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	5.13	5.80	6.17	6.52	PASS

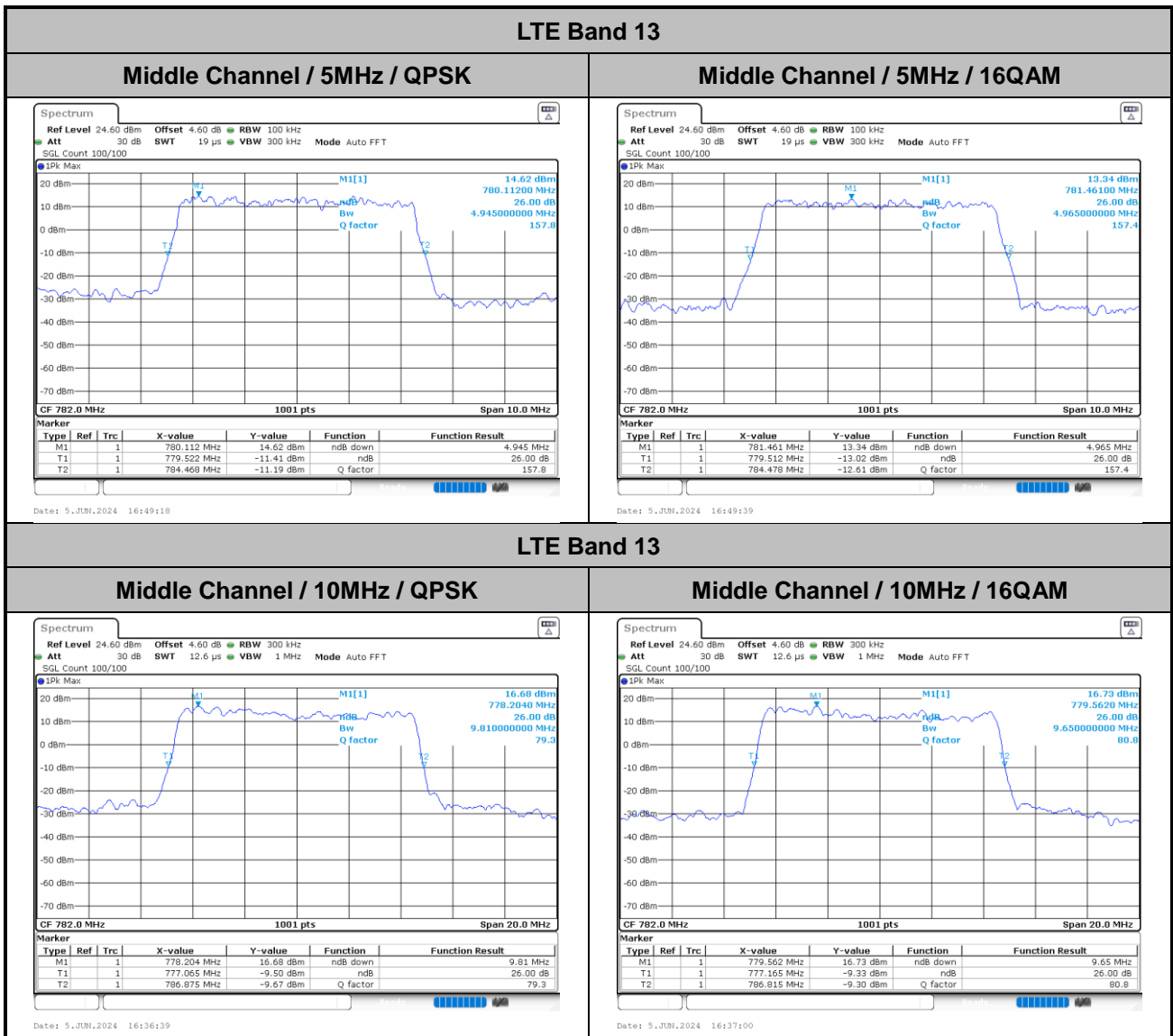






26dB Bandwidth

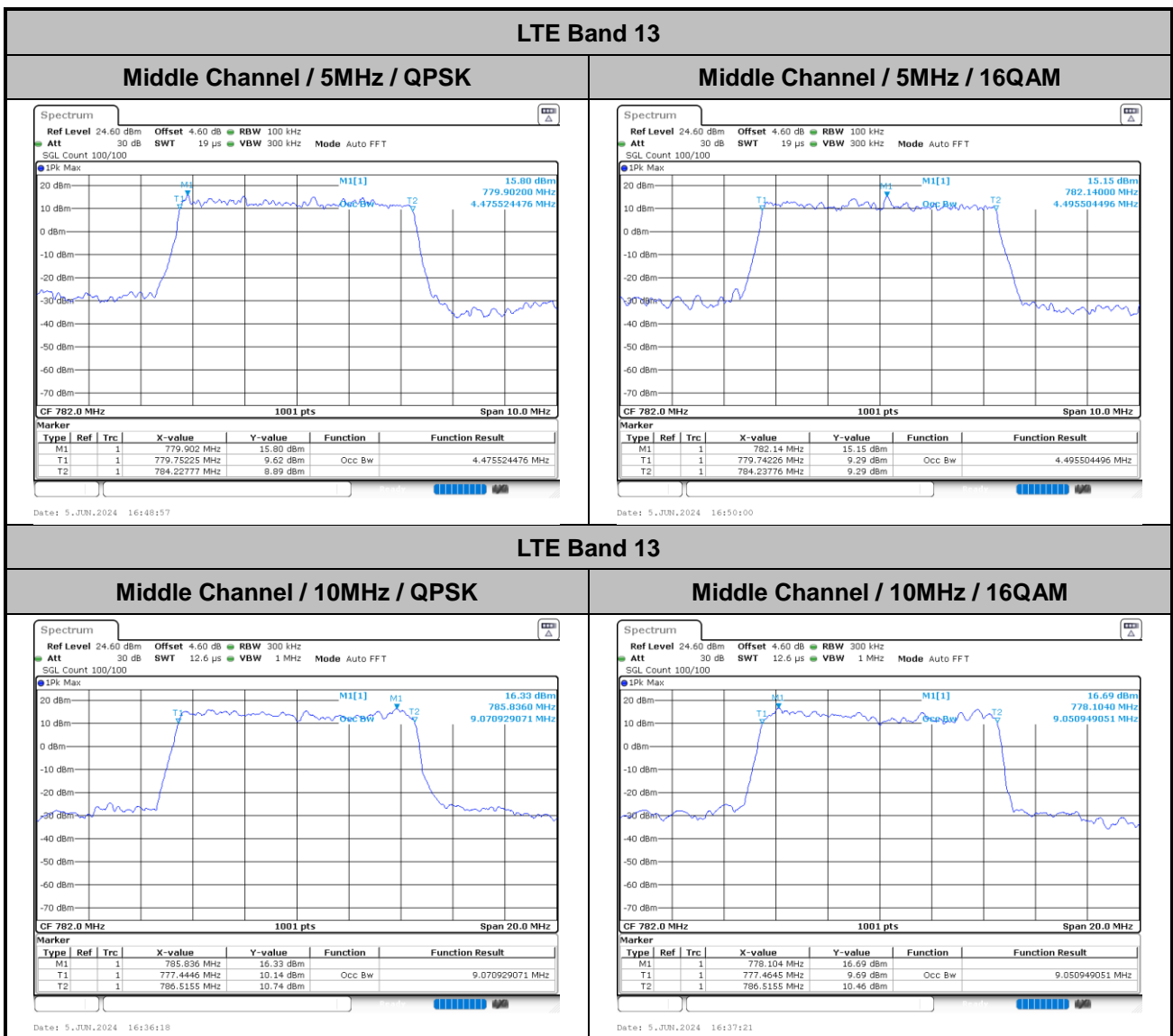
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.95	4.97
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.81	9.65





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	9.05

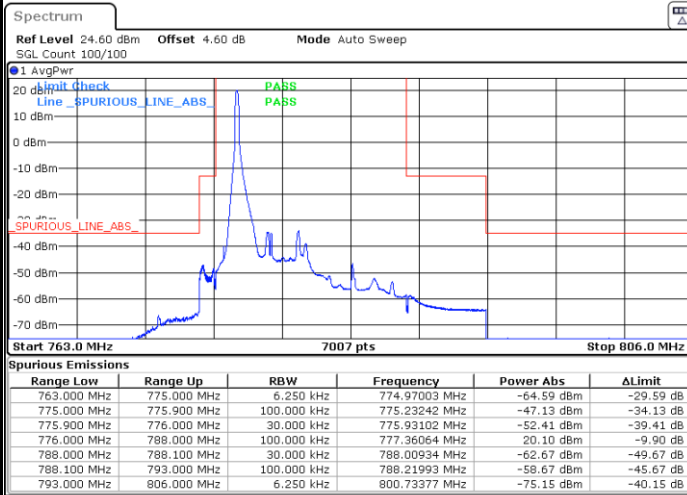




Conducted Band Edge

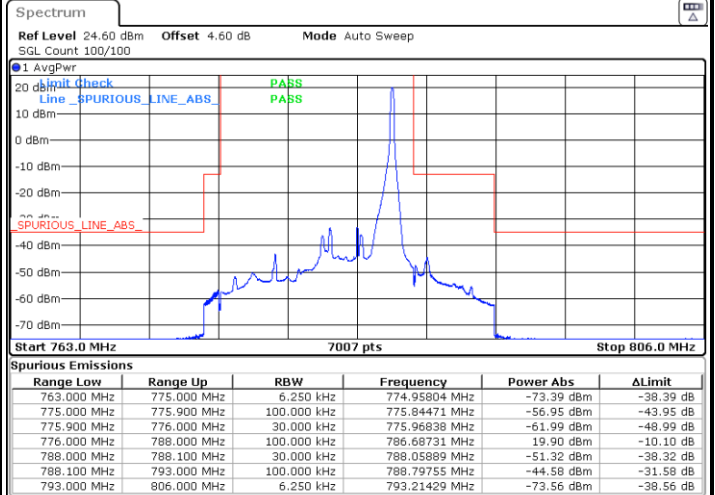
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



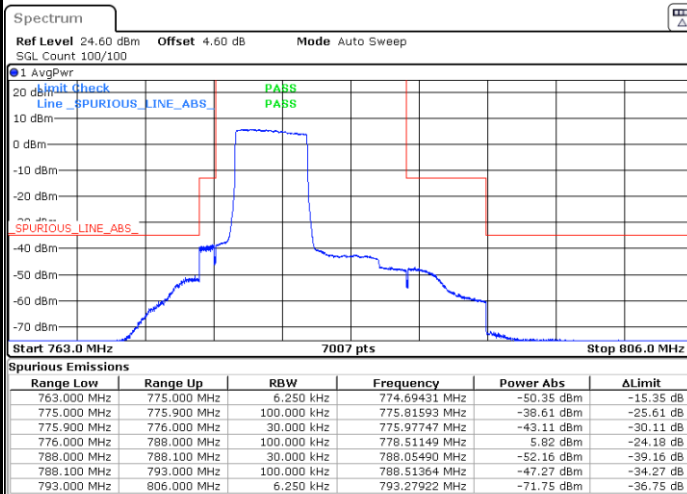
Date: 5 JUN, 2024 15:35:05

Highest Band Edge / 1 RB



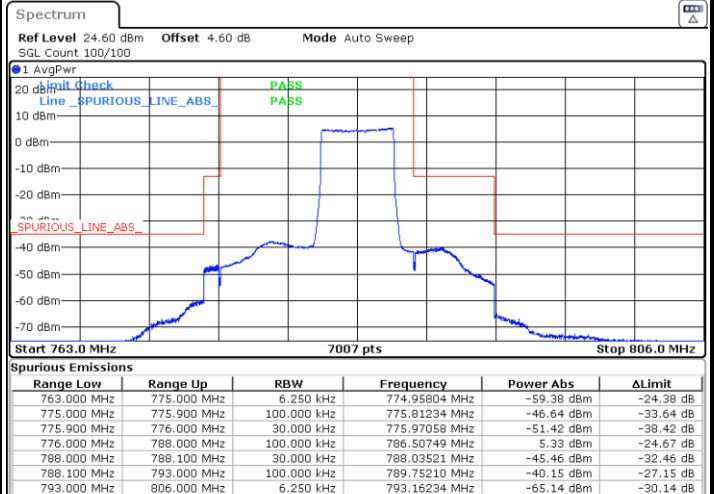
Date: 5 JUN, 2024 15:58:58

Lowest Band Edge / Full RB



Date: 5 JUN, 2024 15:42:31

Highest Band Edge / Full RB



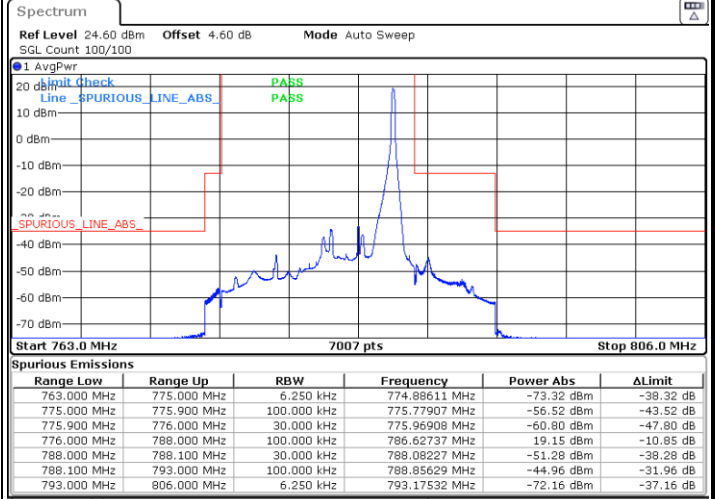
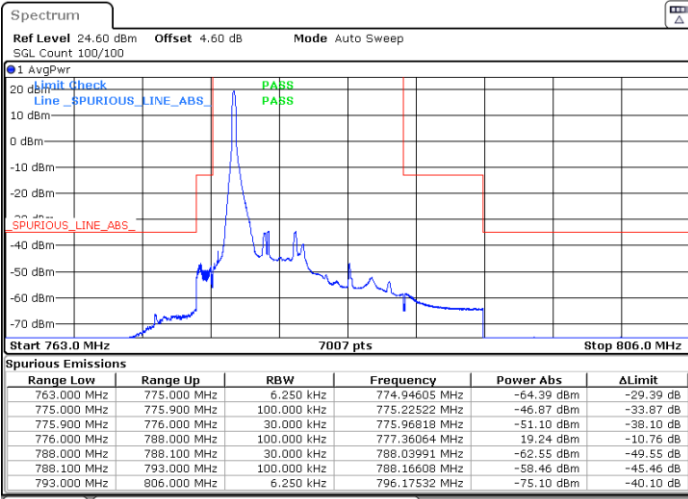
Date: 5 JUN, 2024 16:06:24



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

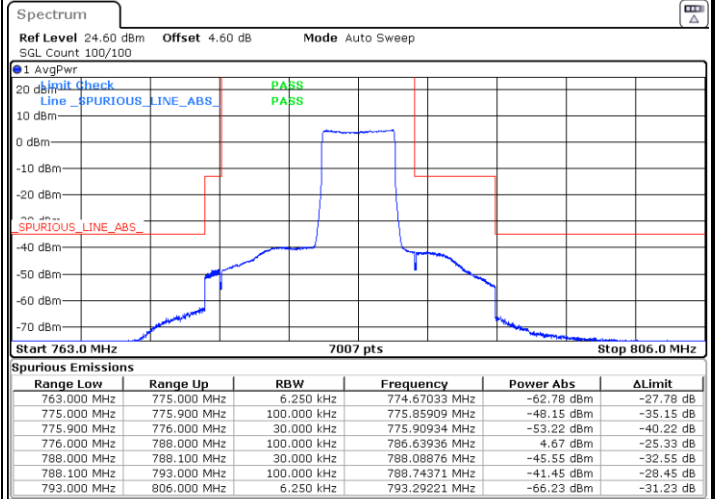
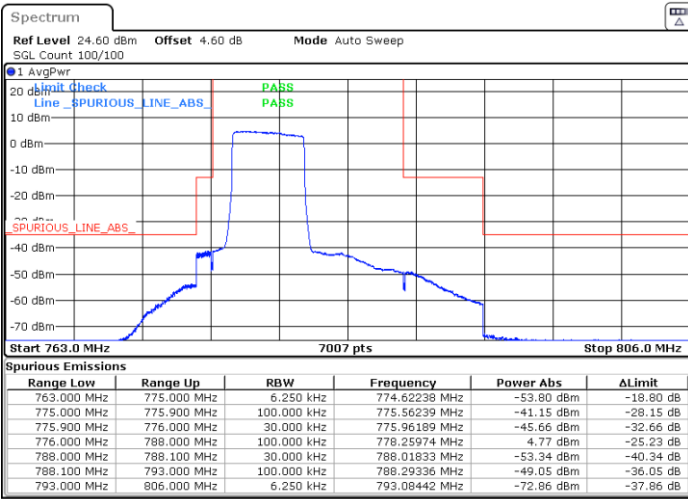


Date: 5 JUN.2024 15:36:59

Date: 5 JUN.2024 16:00:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 JUN.2024 15:44:21

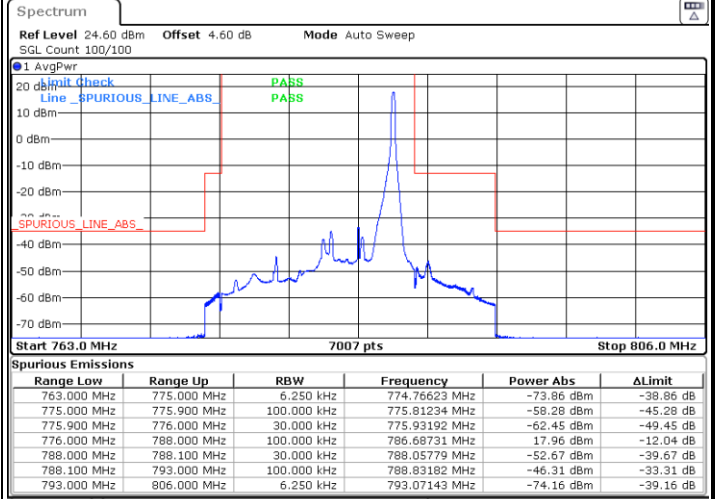
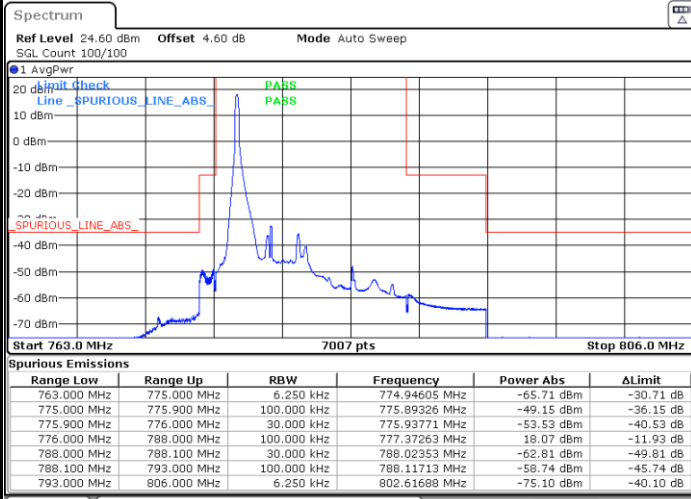
Date: 5 JUN.2024 16:08:14



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

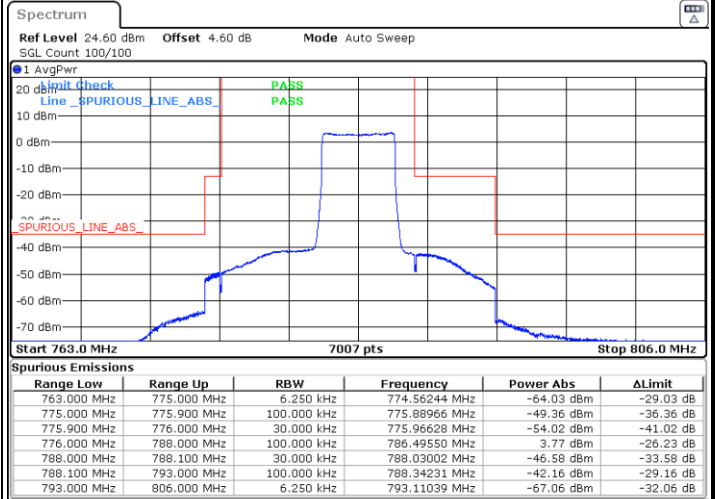
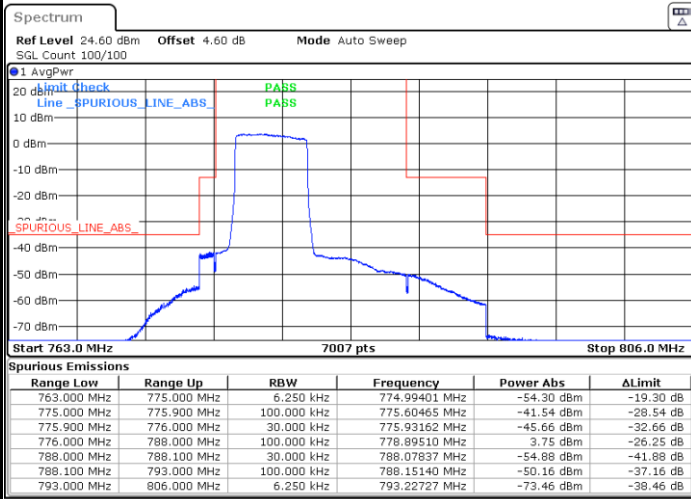


Date: 5 JUN.2024 15:38:49

Date: 5 JUN.2024 16:02:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 JUN.2024 15:46:11

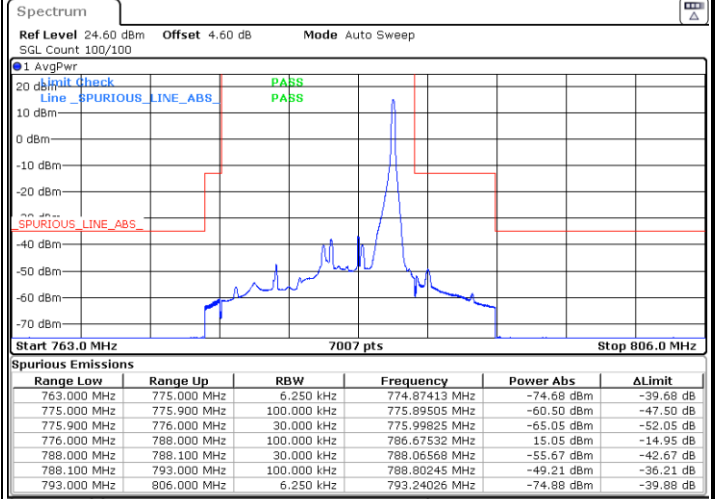
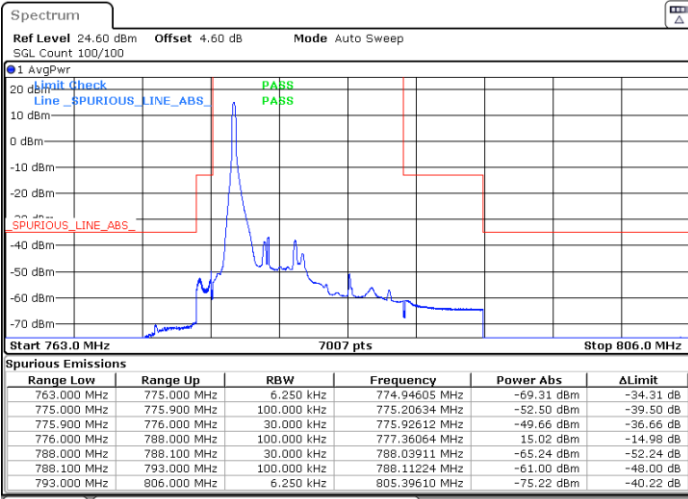
Date: 5 JUN.2024 16:10:04



LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

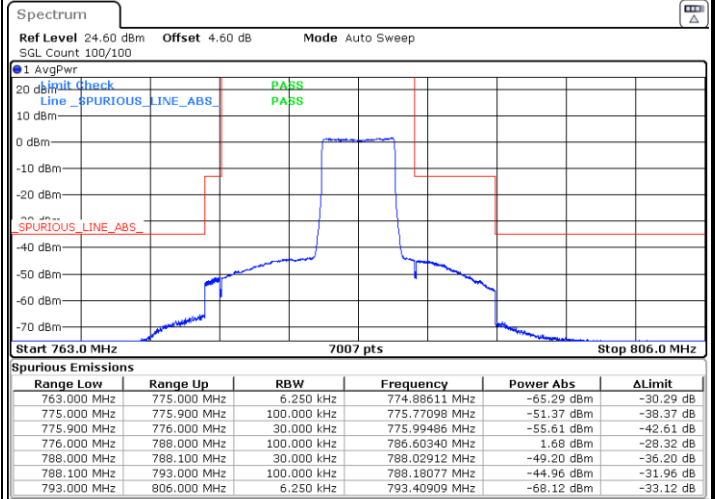
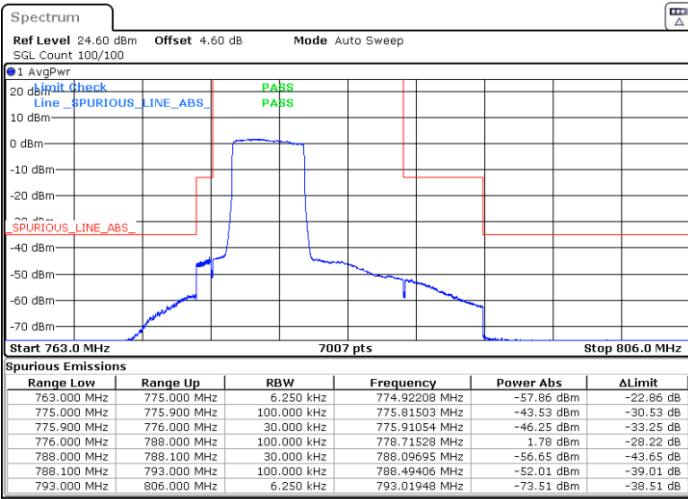


Date: 5 JUN.2024 15:40:40

Date: 5 JUN.2024 16:04:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 JUN.2024 15:48:01

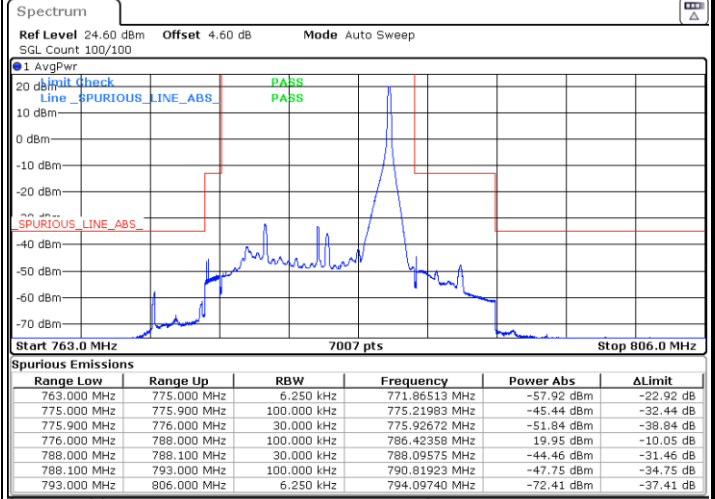
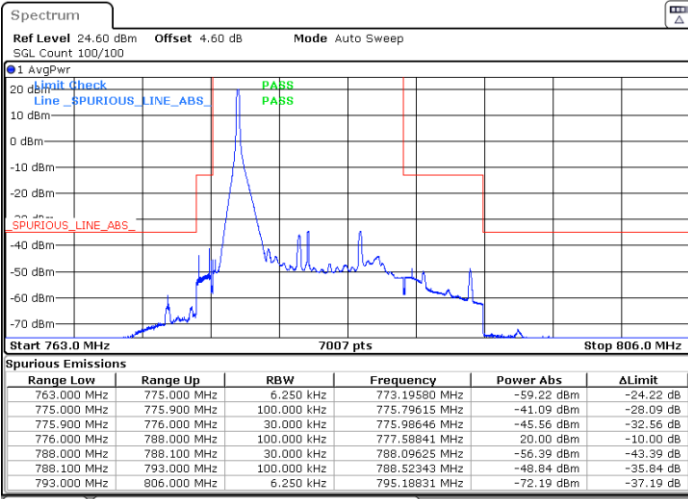
Date: 5 JUN.2024 16:11:54



LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB

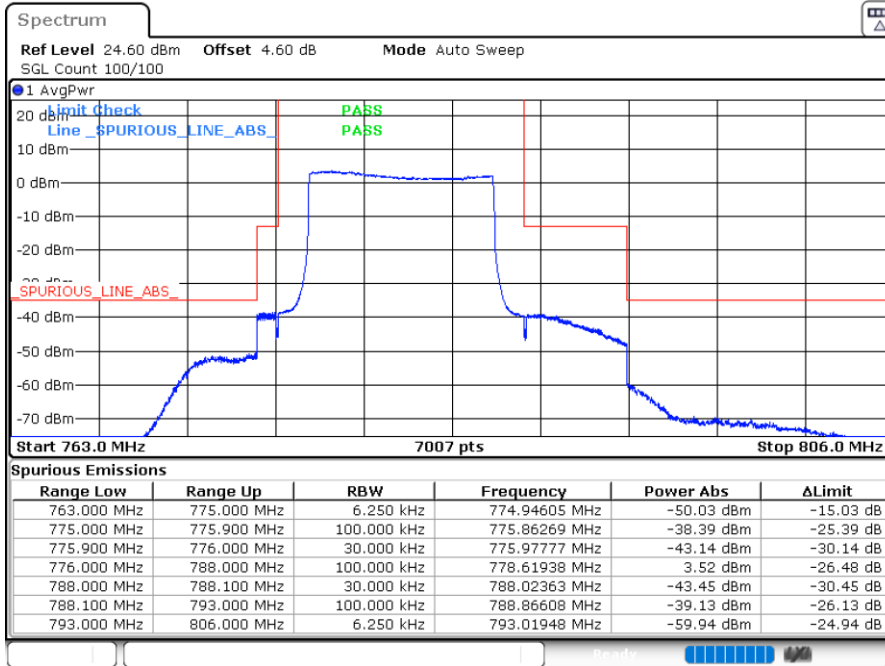
middle Band Edge / 1 RB



Date: 5 JUN.2024 16:15:47

Date: 5 JUN.2024 16:30:27

Middle Band Edge / Full RB

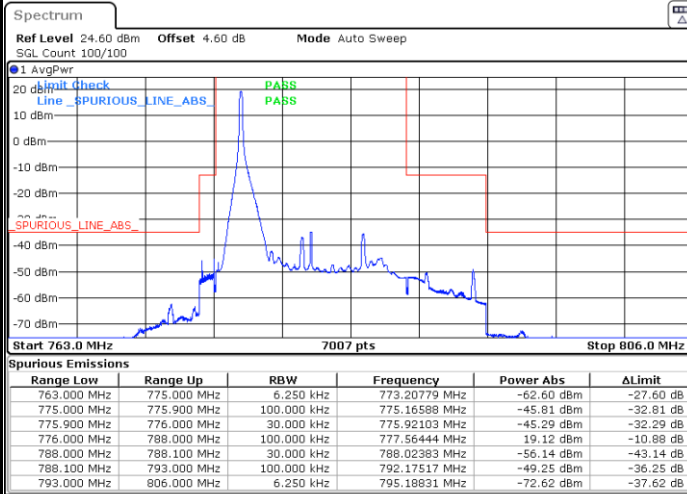


Date: 5 JUN.2024 16:23:07



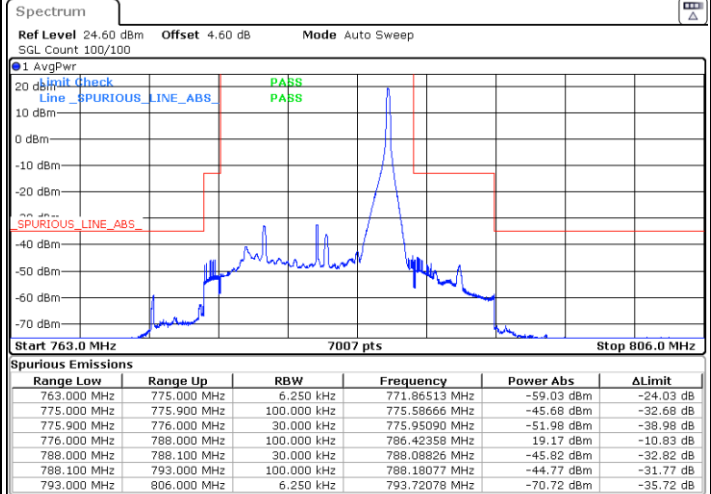
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



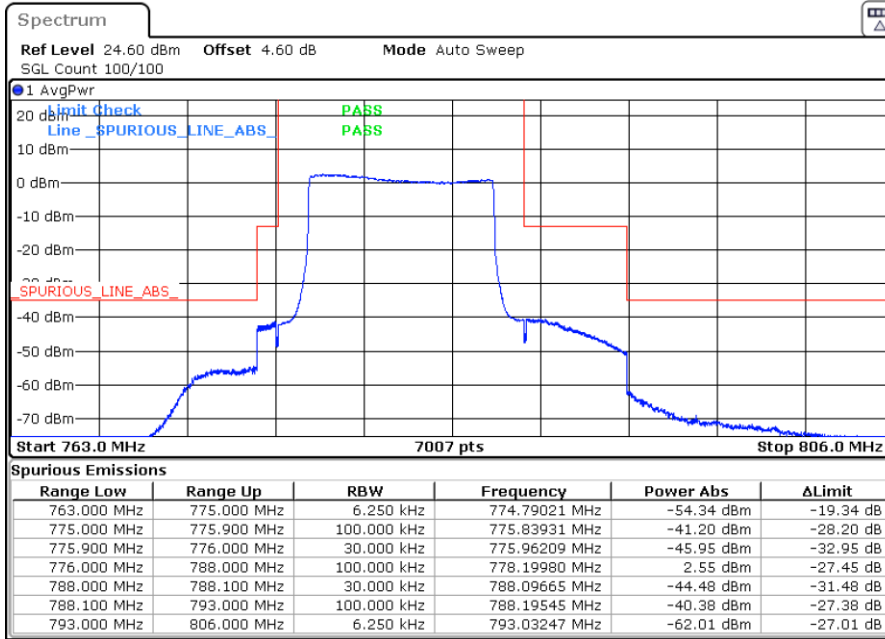
Date: 5 JUN.2024 16:17:37

middle Band Edge / 1 RB



Date: 5 JUN.2024 16:32:17

middle Band Edge / Full RB



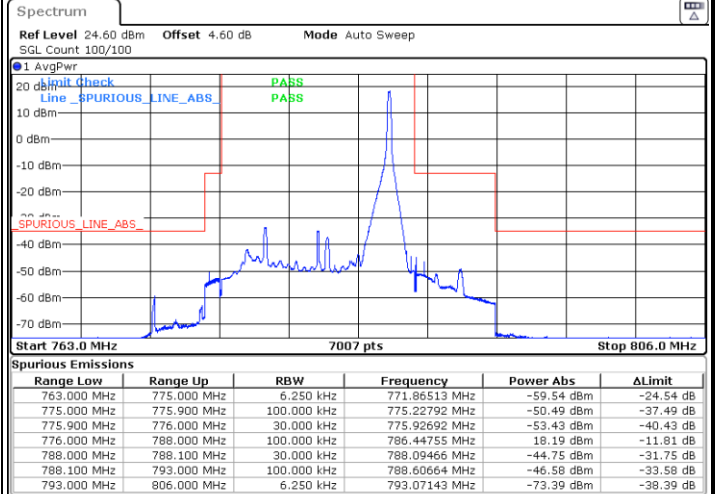
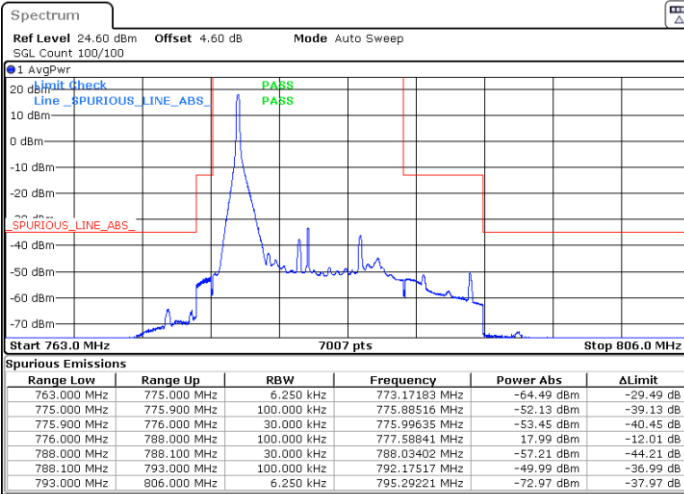
Date: 5 JUN.2024 16:24:57



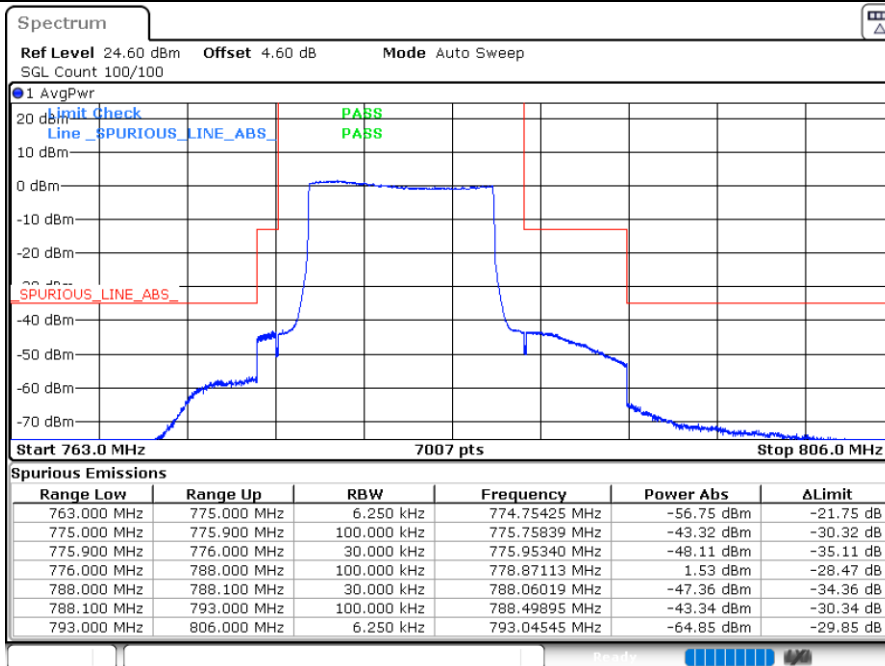
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB

middle Band Edge / 1 RB



middle Band Edge / Full RB

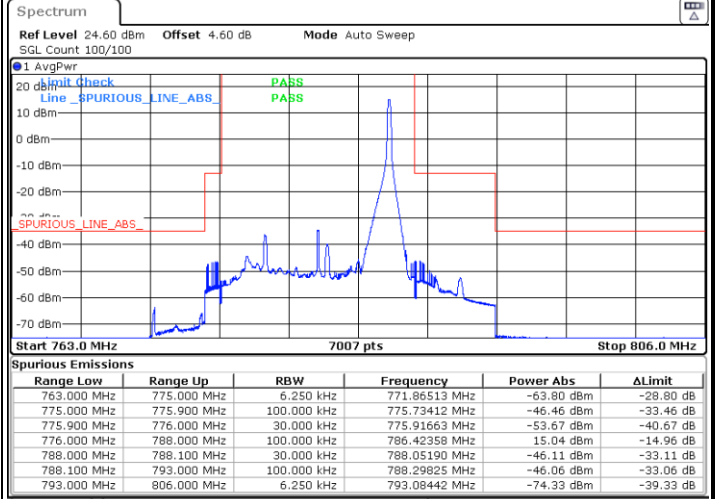
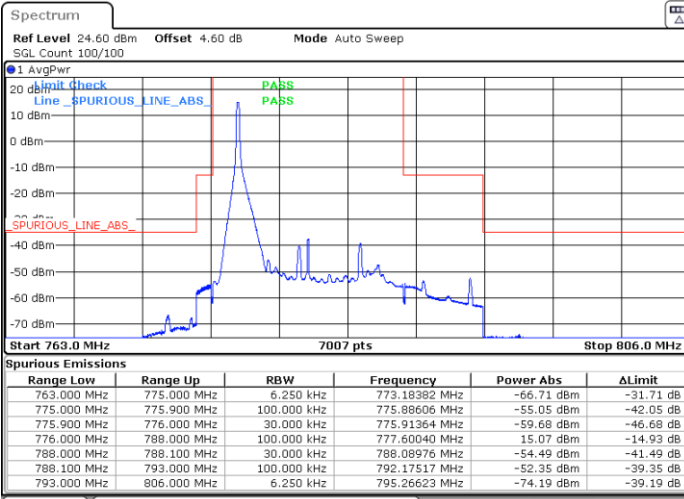




LTE Band 13 / 10MHz / 256QAM

middle Band Edge / 1 RB

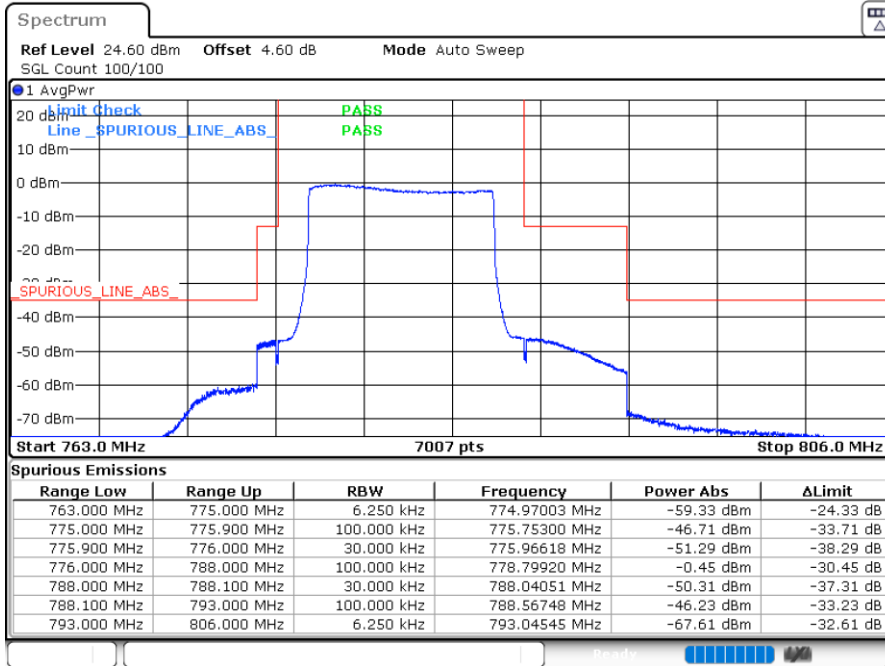
middle Band Edge / 1 RB



Date: 5 JUN.2024 16:21:17

Date: 5 JUN.2024 16:35:56

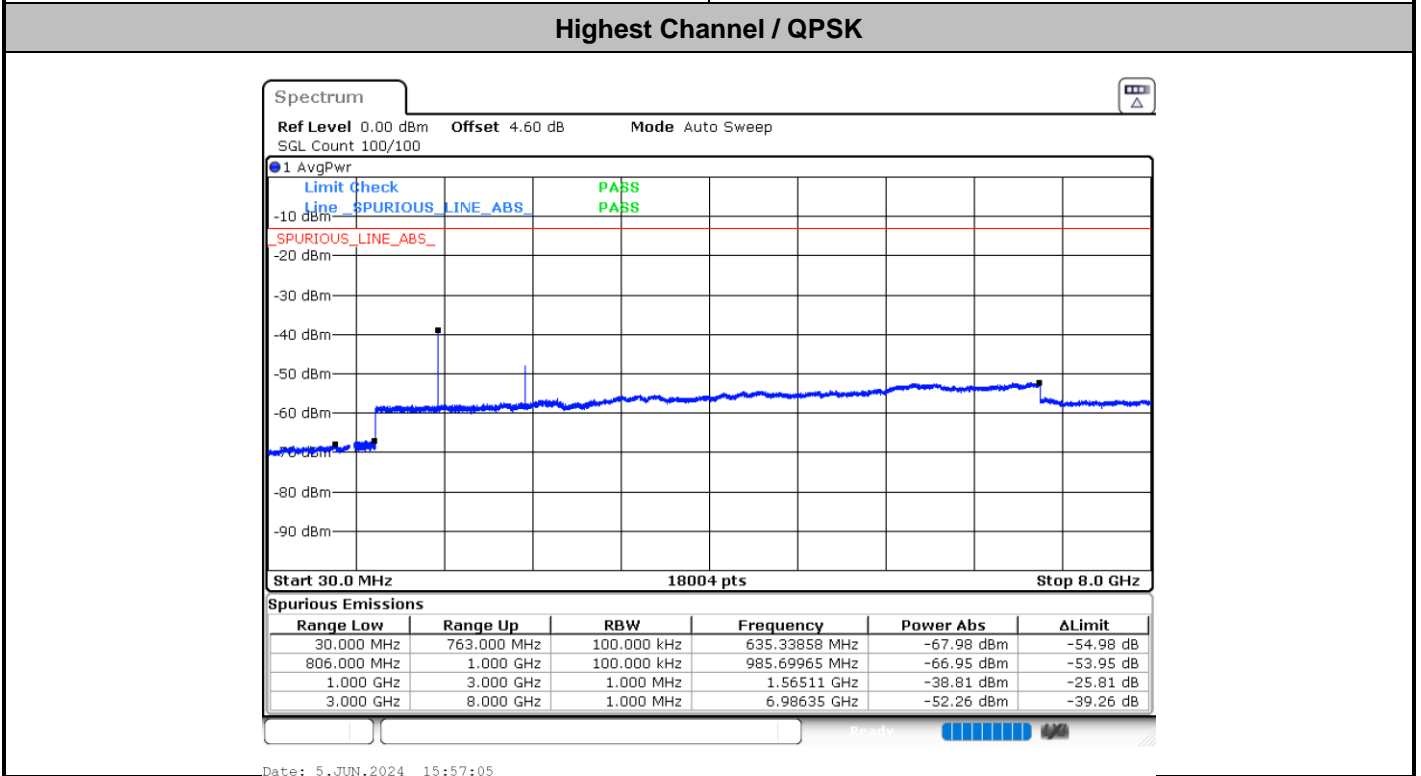
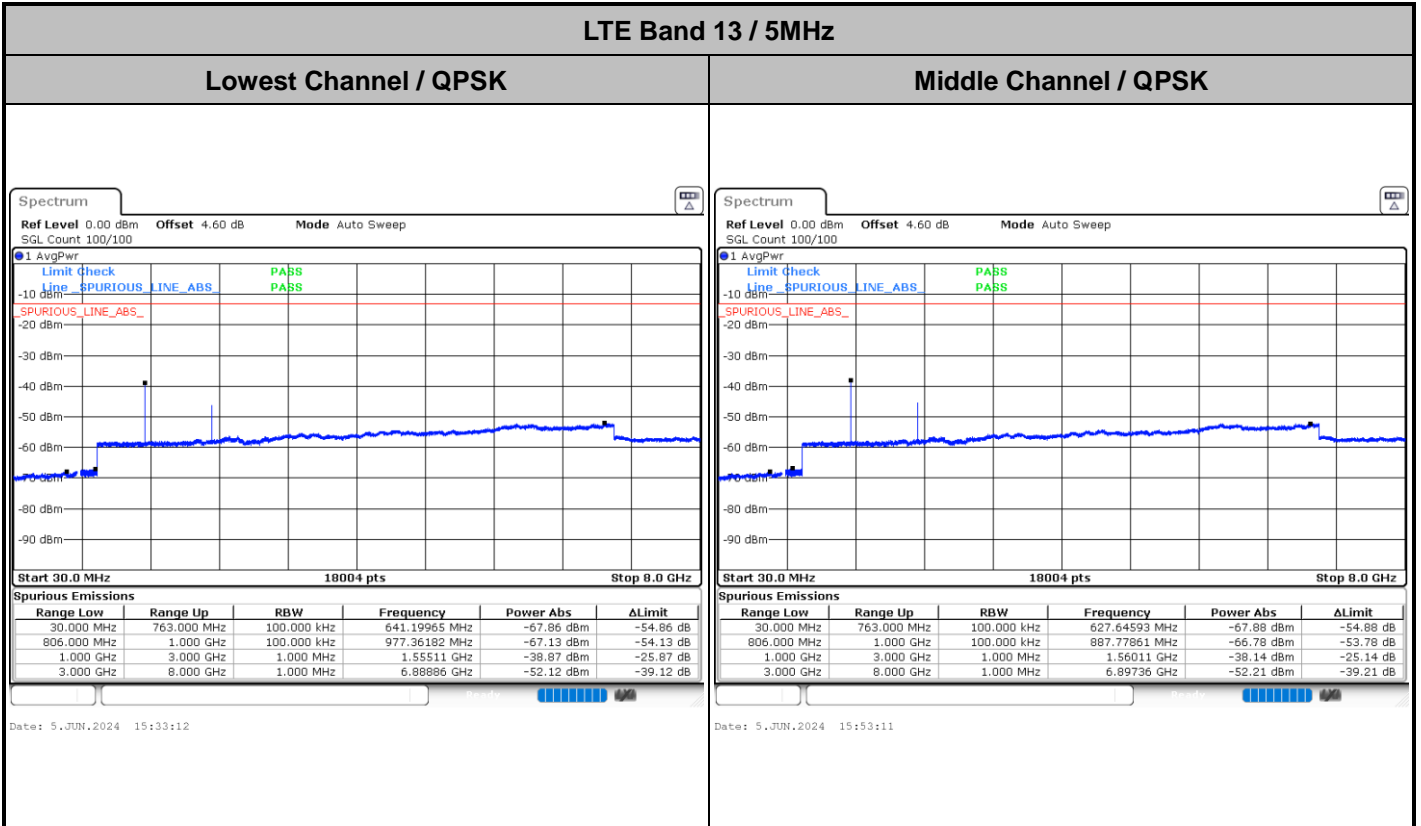
middle Band Edge / Full RB



Date: 5 JUN.2024 16:28:36



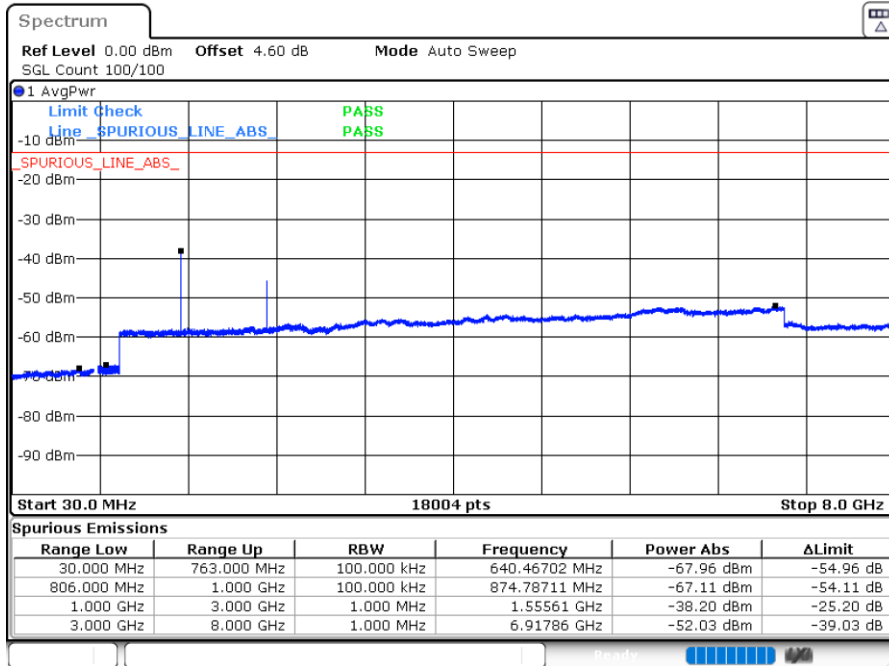
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 5 JUN 2024 16:13:57



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	0.0017	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0042	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0034	

Note:

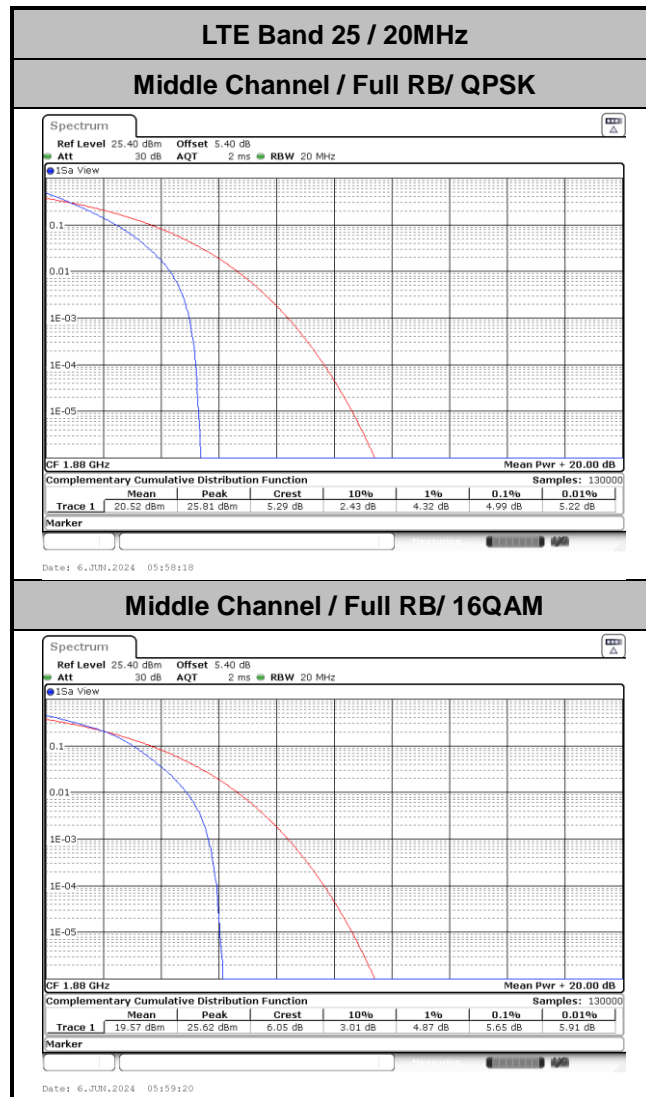
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

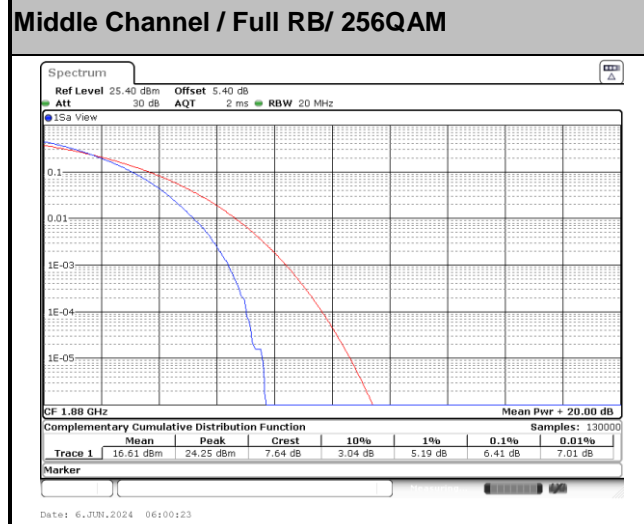
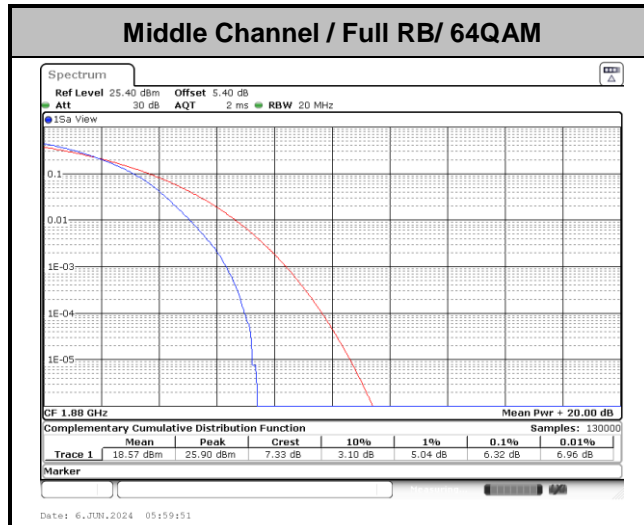


LTE Band 25

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	4.99	5.65	6.32	6.41	PASS







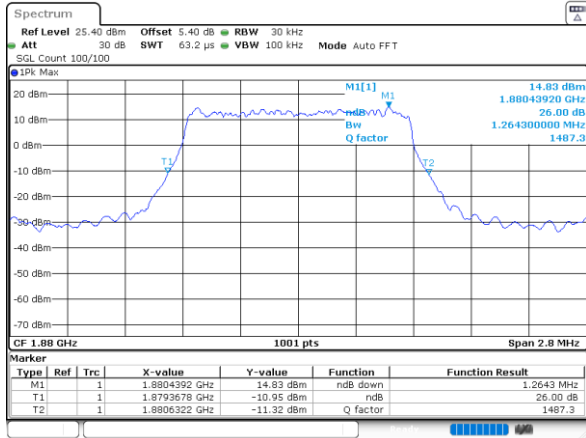
26dB Bandwidth

Mode	LTE Band 25 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.26	1.30
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.97	2.99
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.78	4.81
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.85	9.81
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.57	14.42
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.14	18.70



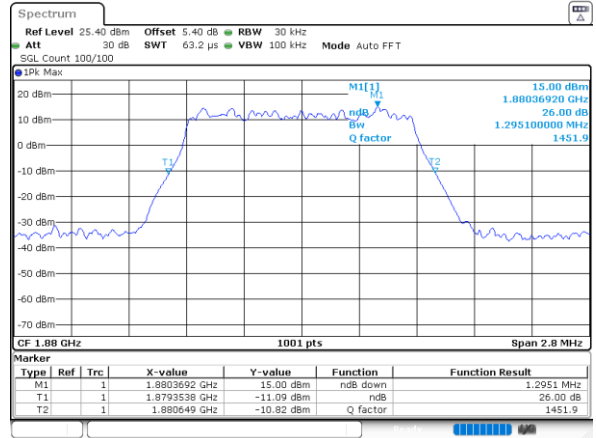
LTE Band 25

Middle Channel / 1.4MHz / QPSK



Date: 6 JUN 2024 06:01:41

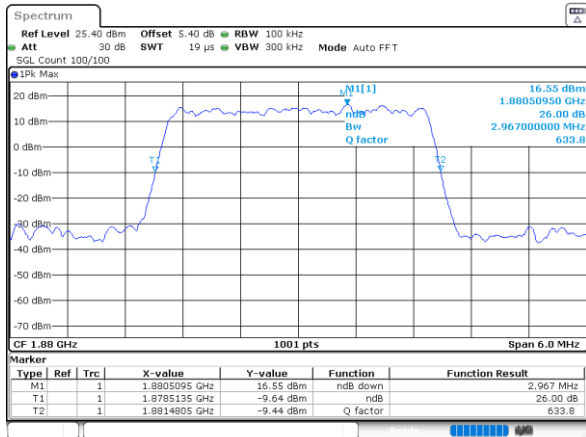
Middle Channel / 1.4MHz / 16QAM



Date: 6 JUN 2024 06:02:39

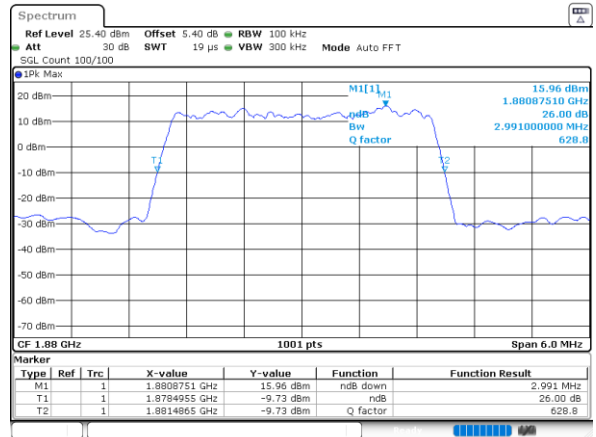
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 6 JUN 2024 06:05:17

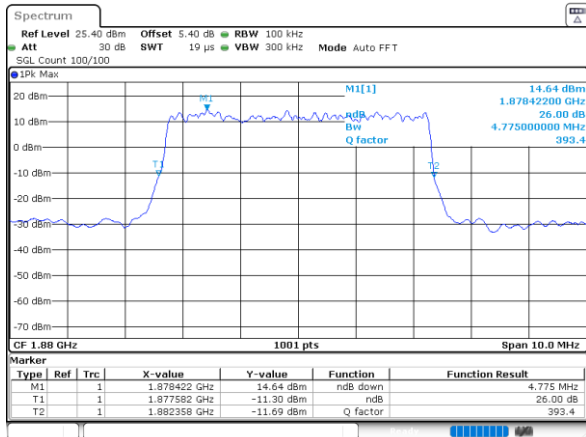
Middle Channel / 3MHz / 16QAM



Date: 6 JUN 2024 06:06:15

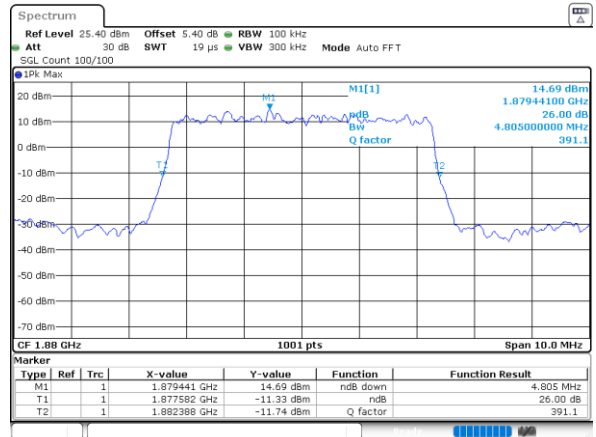
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 6 JUN 2024 06:15:40

Middle Channel / 5MHz / 16QAM

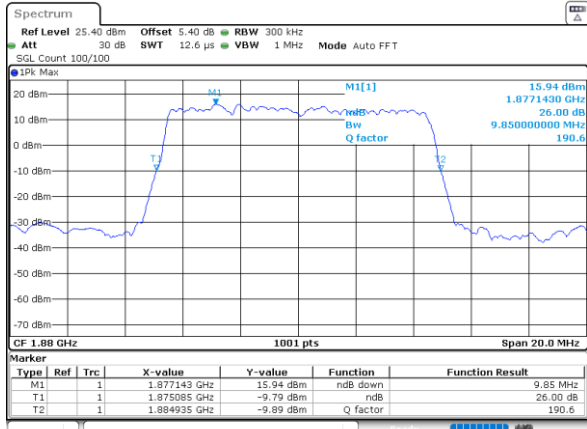


Date: 6 JUN 2024 06:16:38



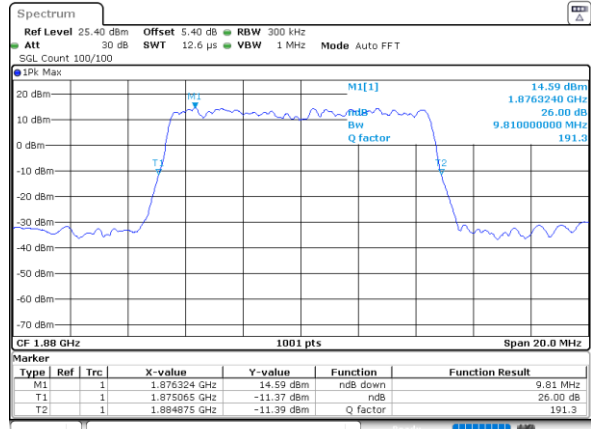
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 6 JUN 2024 06:19:43

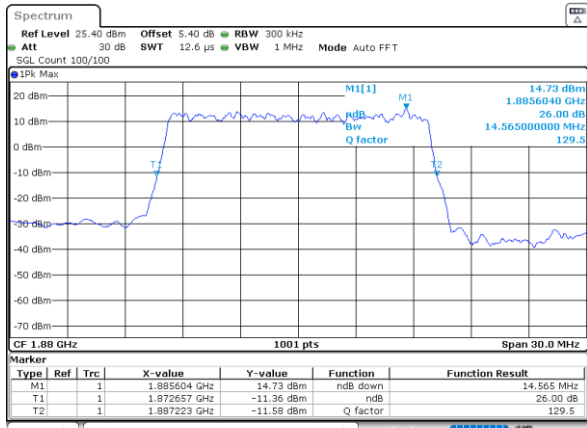
Middle Channel / 10MHz / 16QAM



Date: 6 JUN 2024 06:20:41

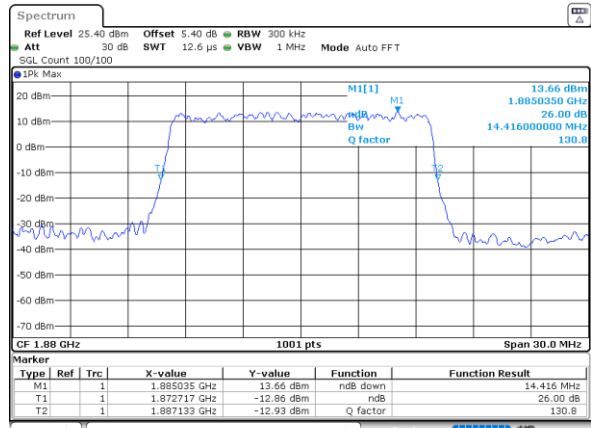
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 6 JUN 2024 06:25:28

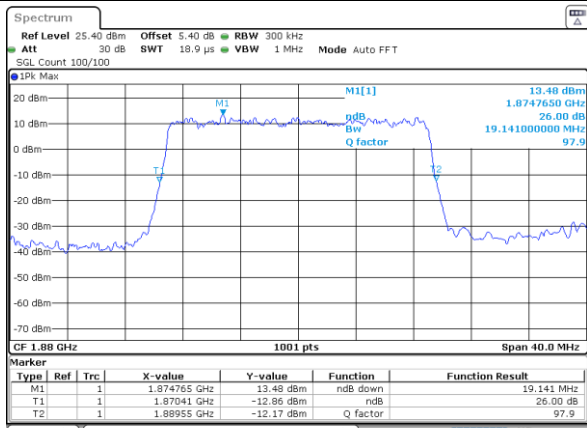
Middle Channel / 15MHz / 16QAM



Date: 6 JUN 2024 06:26:02

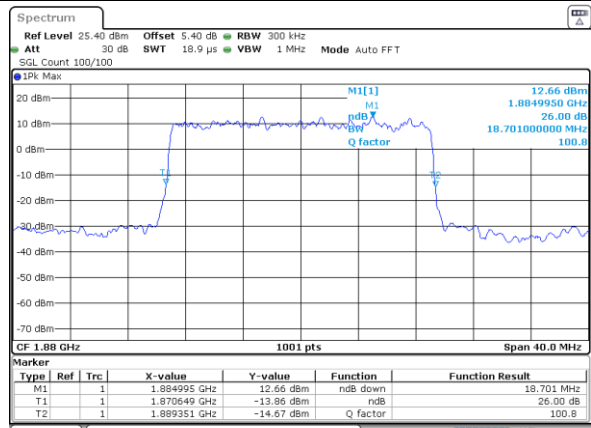
LTE Band 25

Middle Channel / 20MHz / QPSK



Date: 6 JUN 2024 05:58:02

Middle Channel / 20MHz / 16QAM

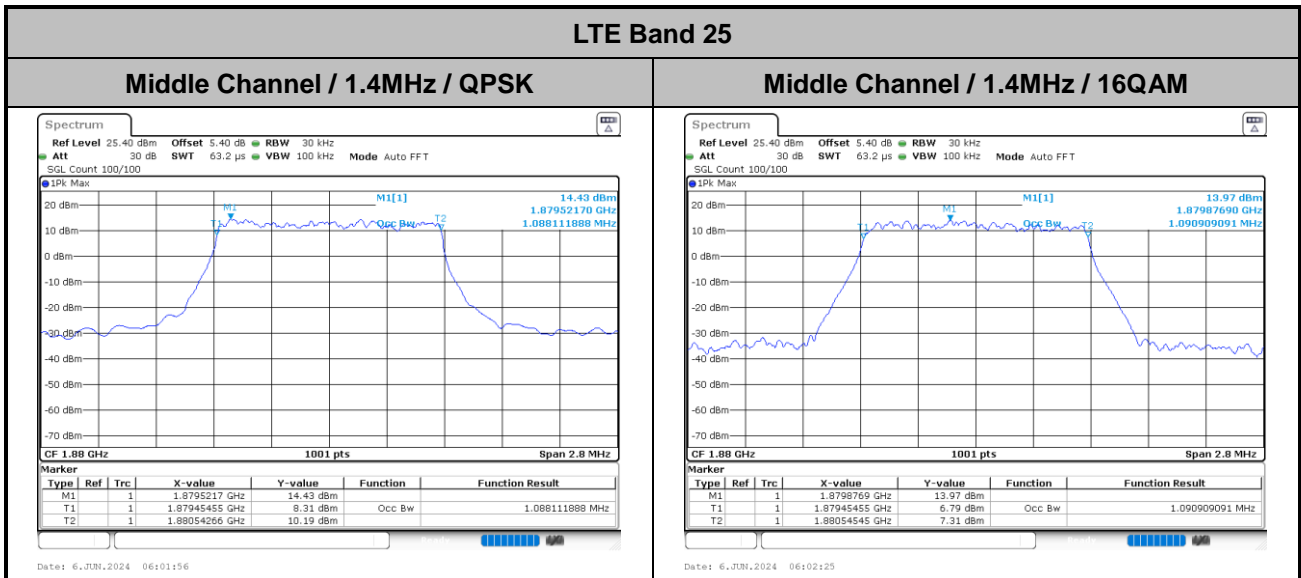


Date: 6 JUN 2024 05:59:04



Occupied Bandwidth

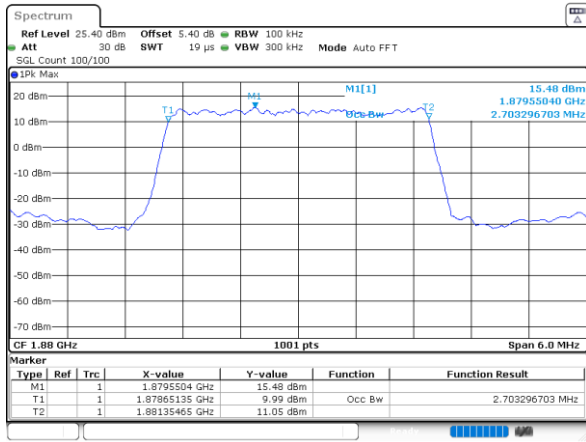
Mode	LTE Band 25 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.70	2.72
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.47
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.05
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.46
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.86





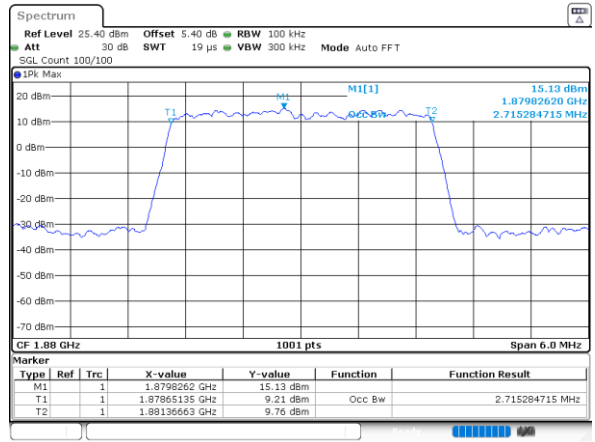
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 6 JUN 2024 06:05:132

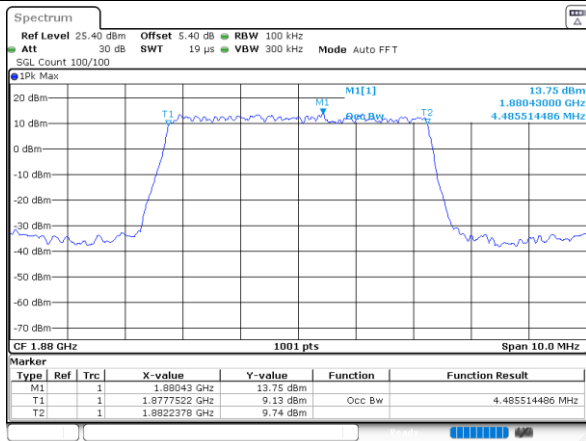
Middle Channel / 3MHz / 16QAM



Date: 6 JUN 2024 06:06:01

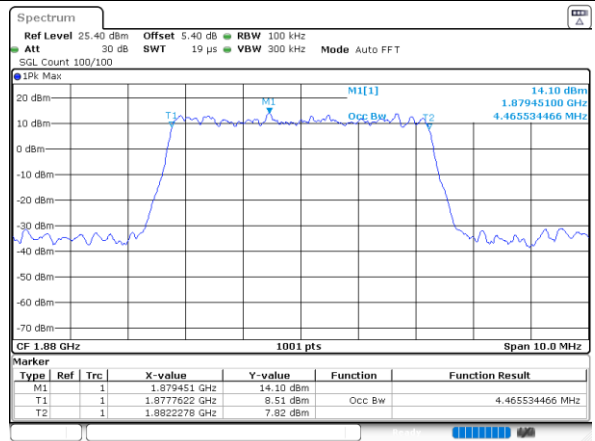
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 6 JUN 2024 06:15:55

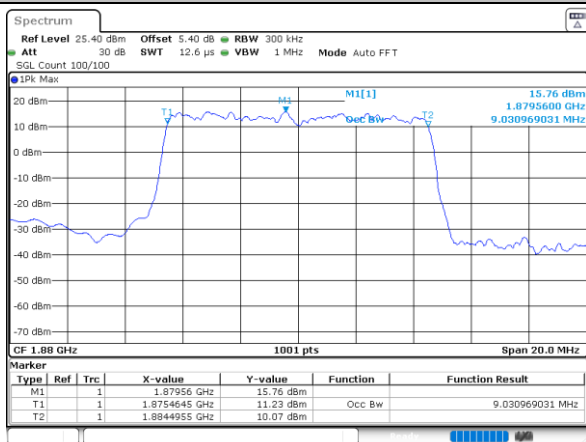
Middle Channel / 5MHz / 16QAM



Date: 6 JUN 2024 06:16:23

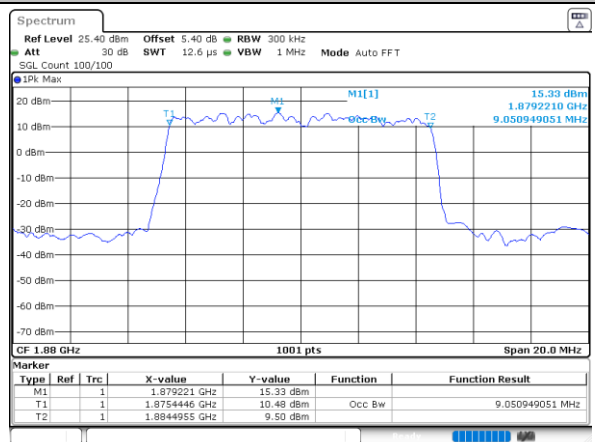
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 6 JUN 2024 06:19:57

Middle Channel / 10MHz / 16QAM



Date: 6 JUN 2024 06:20:26