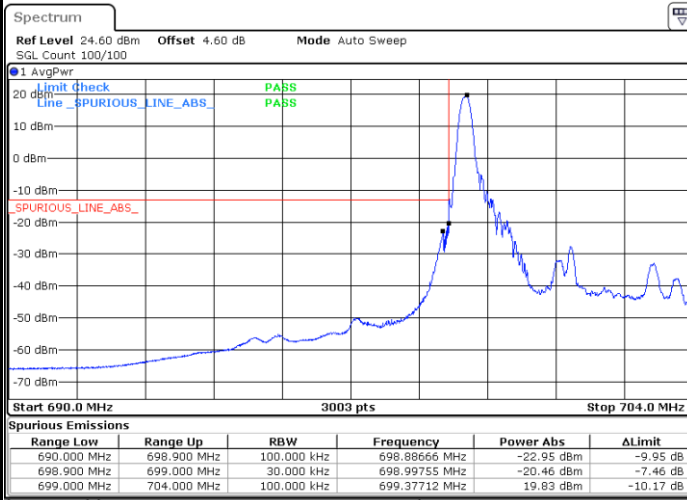




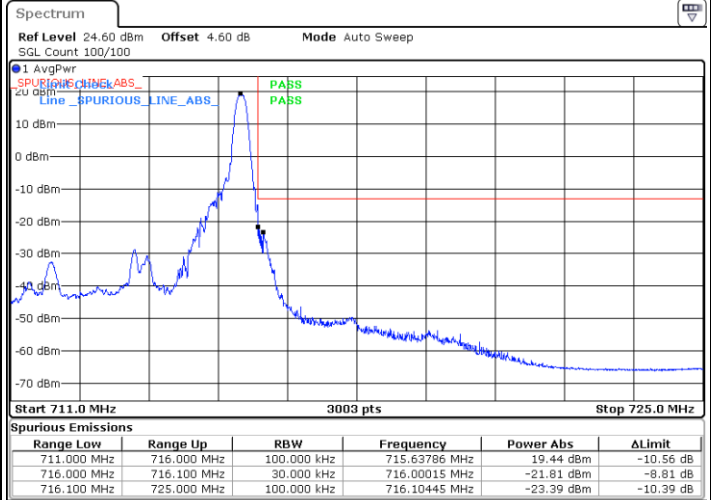
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



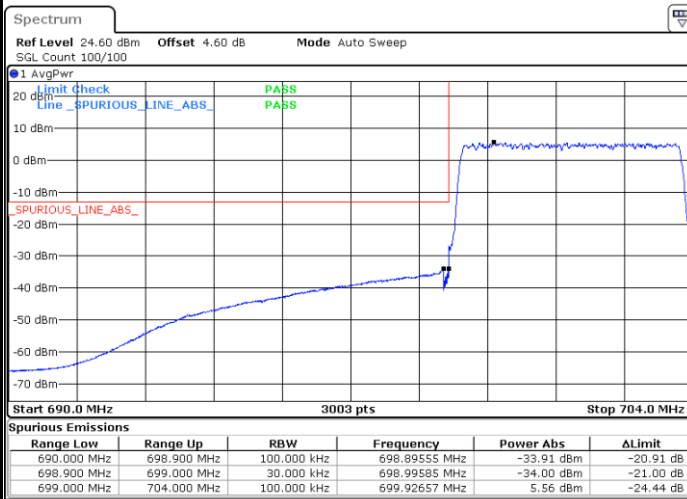
Date: 28.JUN.2023 04:07:08

Highest Band Edge / 1 RB



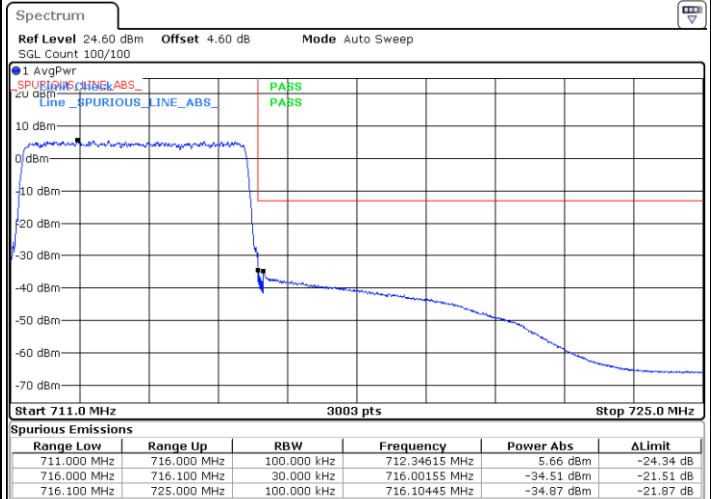
Date: 28.JUN.2023 04:15:51

Lowest Band Edge / Full RB



Date: 28.JUN.2023 04:10:07

Highest Band Edge / Full RB

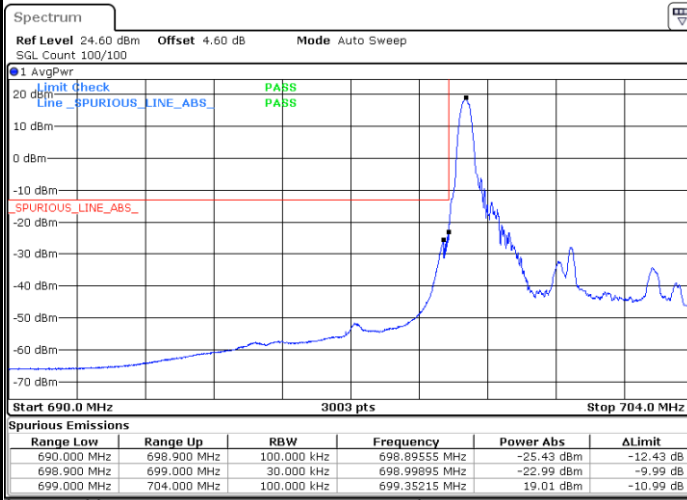


Date: 28.JUN.2023 04:18:50



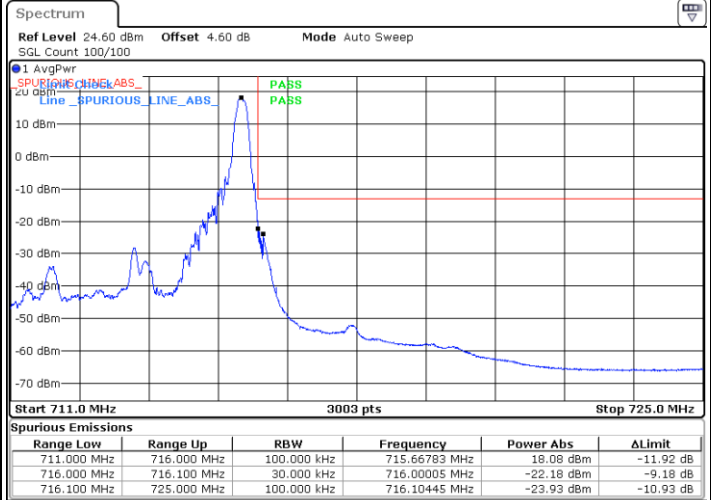
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



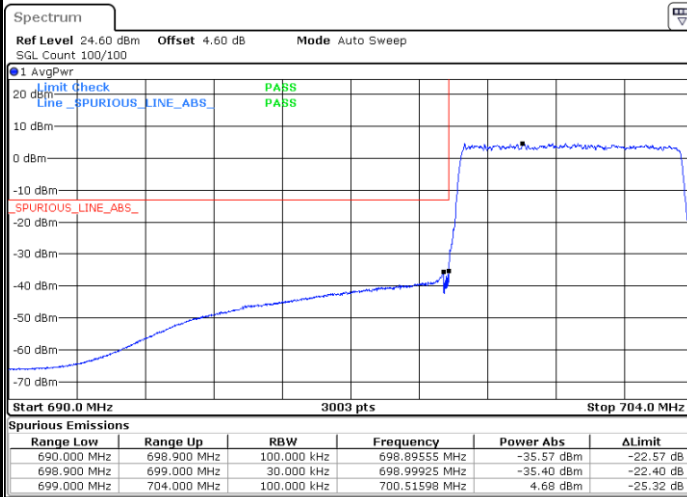
Date: 28.JUN.2023 04:08:08

Highest Band Edge / 1 RB



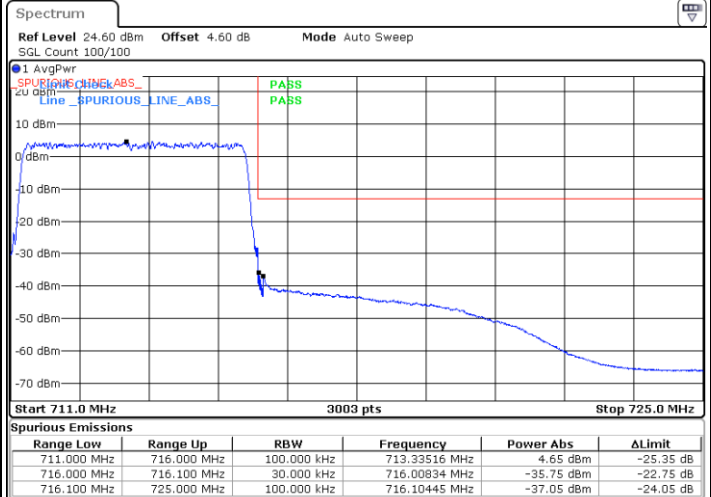
Date: 28.JUN.2023 04:16:51

Lowest Band Edge / Full RB



Date: 28.JUN.2023 04:09:08

Highest Band Edge / Full RB

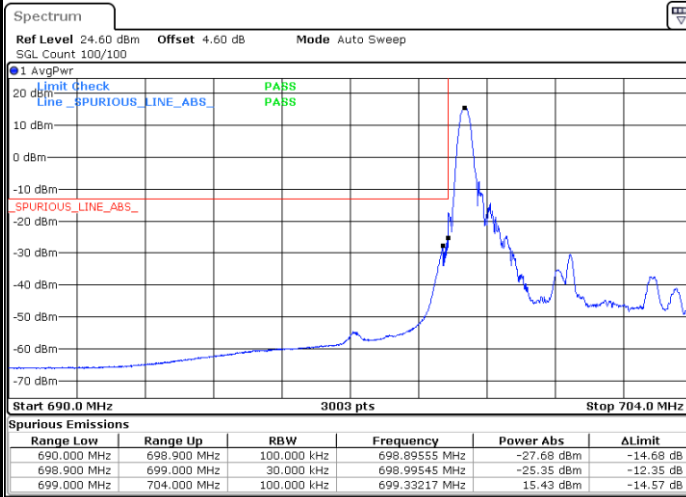


Date: 28.JUN.2023 04:17:51



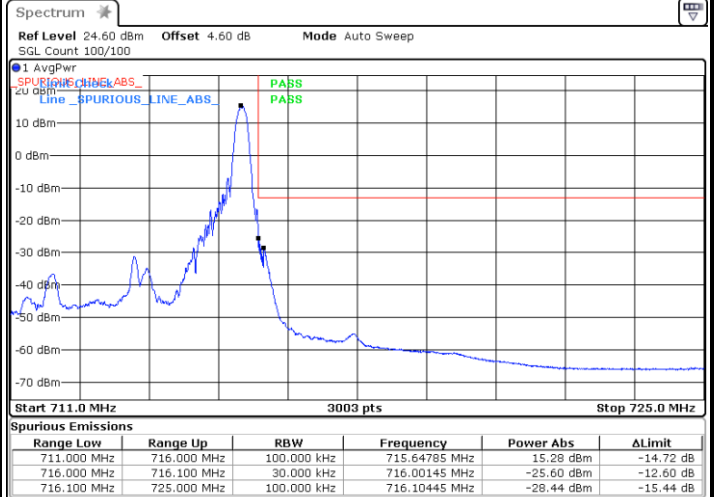
LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / 1RB



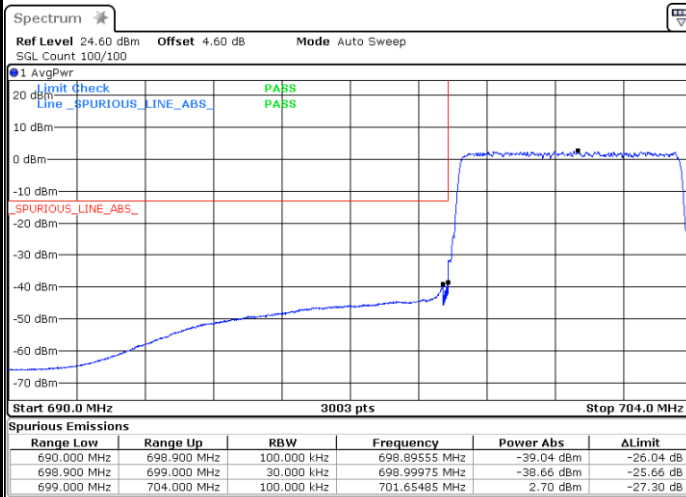
Date: 21.JUL.2023 13:29:01

Highest Band Edge / 1 RB



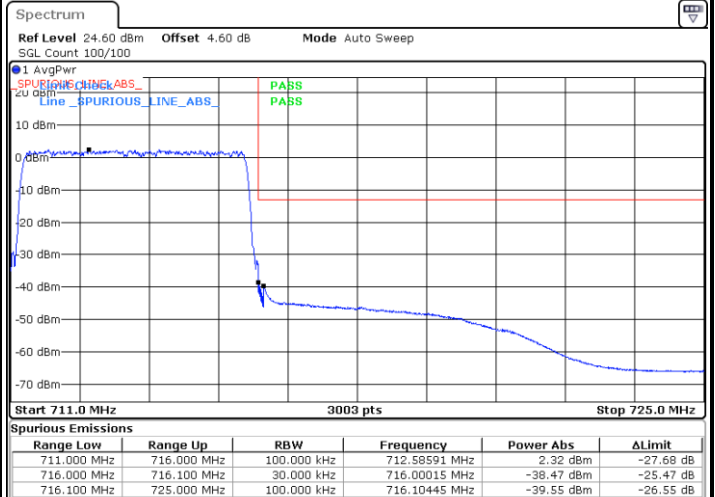
Date: 21.JUL.2023 13:34:02

Lowest Band Edge / Full RB



Date: 21.JUL.2023 13:31:08

Highest Band Edge / Full RB

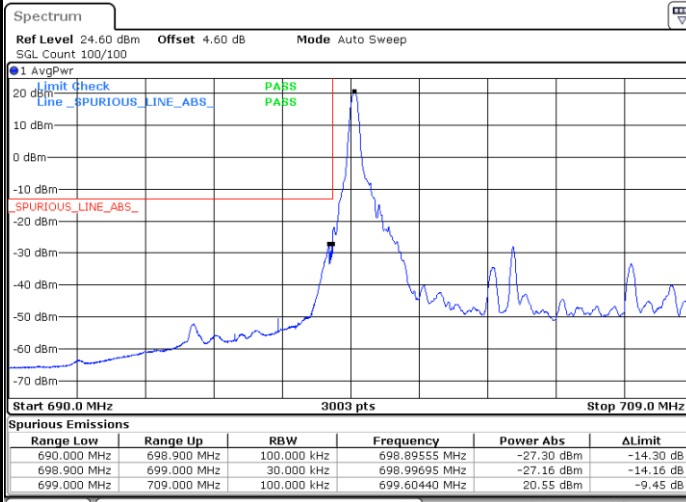


Date: 21.JUL.2023 13:32:14



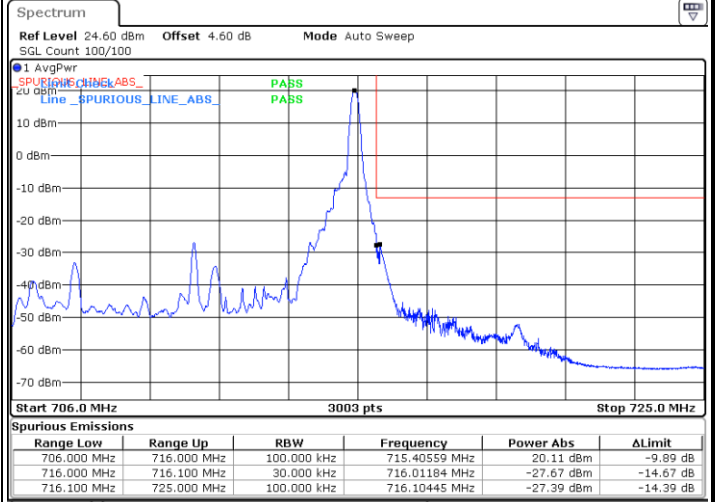
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



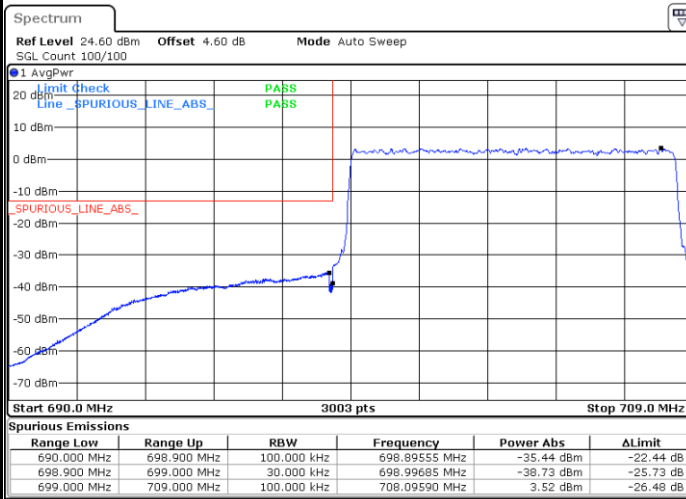
Date: 28 JUN 2023 04:22:13

Highest Band Edge / 1 RB



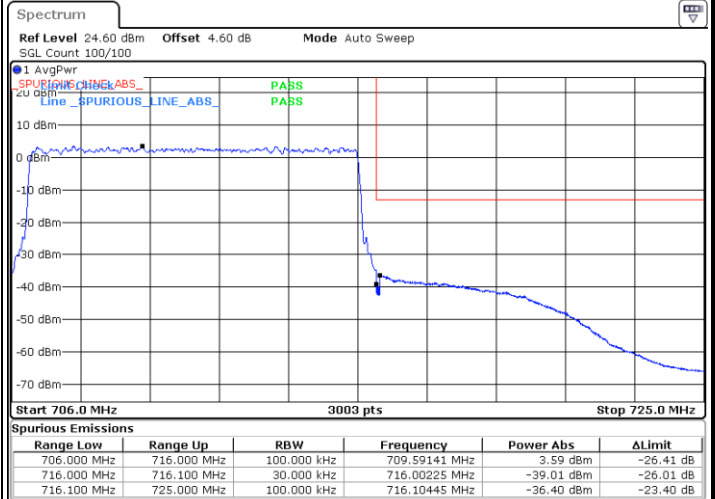
Date: 28 JUN 2023 04:30:56

Lowest Band Edge / Full RB



Date: 28 JUN 2023 04:27:12

Highest Band Edge / Full RB

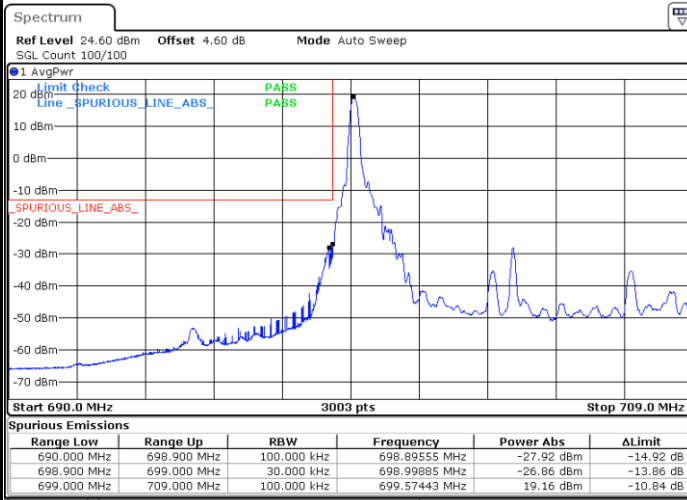


Date: 28 JUN 2023 04:35:55



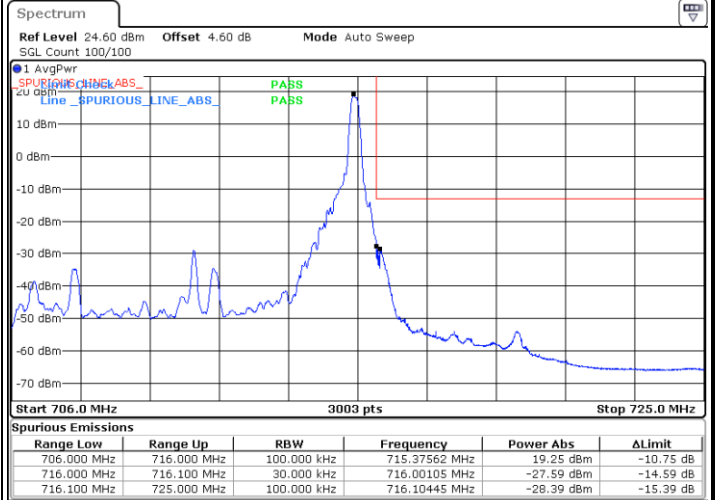
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



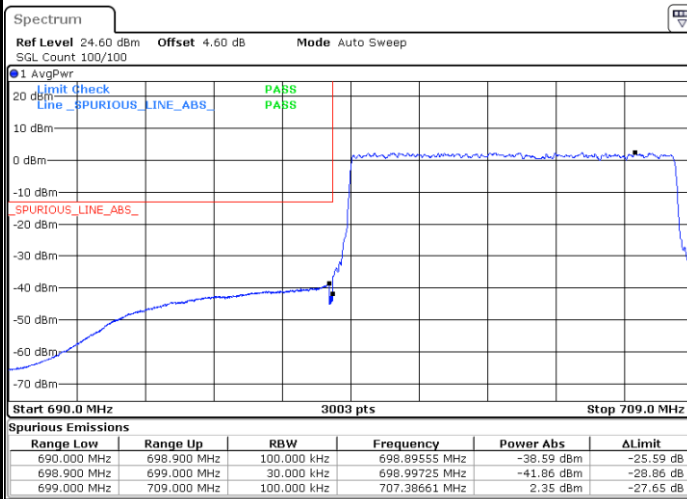
Date: 28.JUN.2023 04:23:13

Highest Band Edge / 1 RB



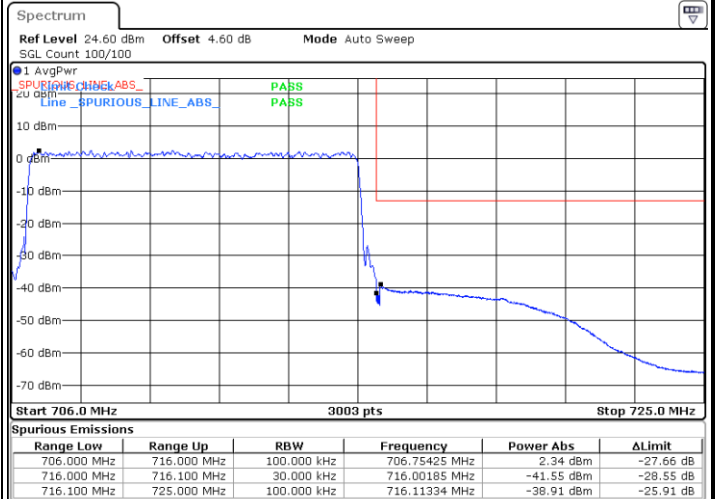
Date: 28.JUN.2023 04:31:55

Lowest Band Edge / Full RB



Date: 28.JUN.2023 04:26:12

Highest Band Edge / Full RB

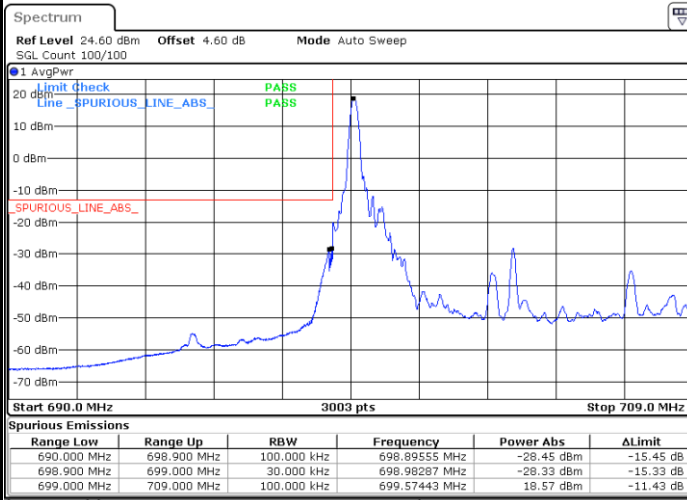


Date: 28.JUN.2023 04:34:55



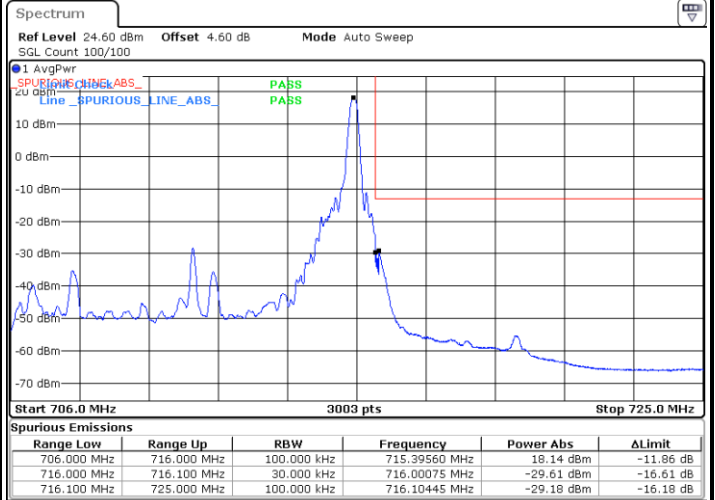
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



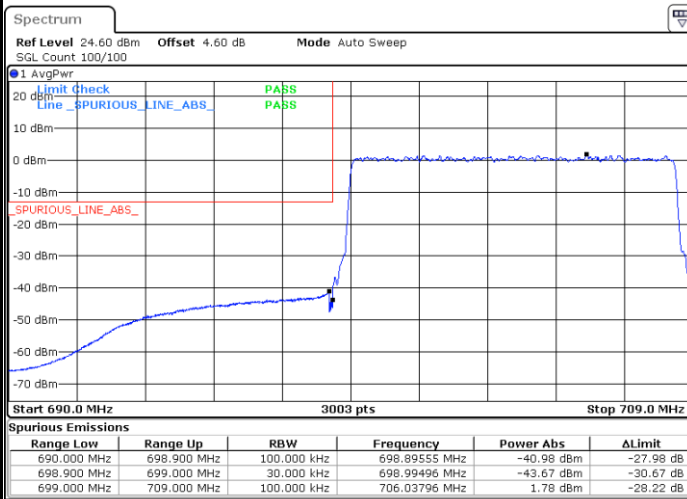
Date: 28.JUN.2023 04:24:13

Highest Band Edge / 1 RB



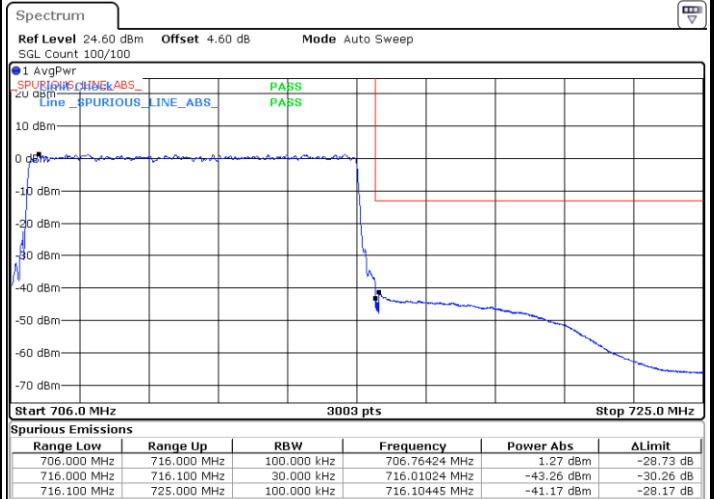
Date: 28.JUN.2023 04:32:55

Lowest Band Edge / Full RB



Date: 28.JUN.2023 04:25:12

Highest Band Edge / Full RB

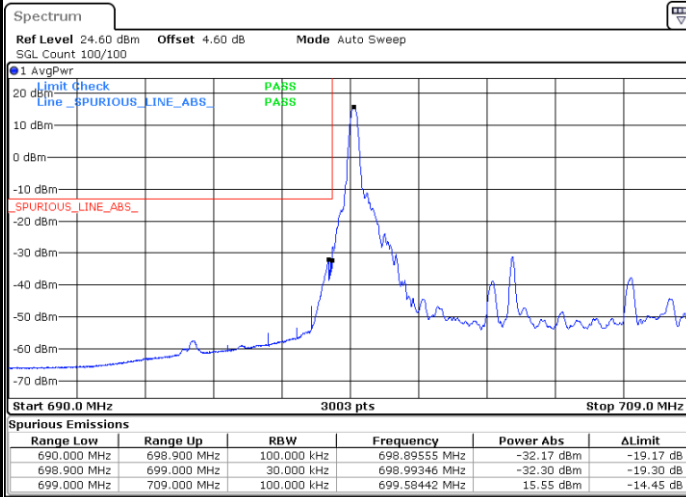


Date: 28.JUN.2023 04:33:55



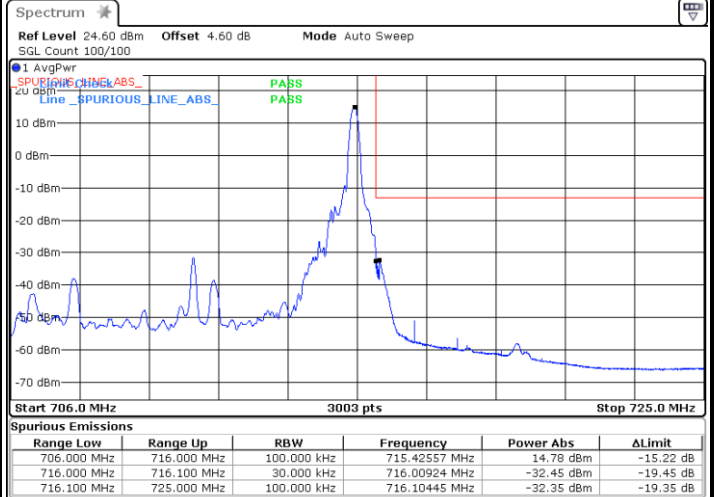
LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



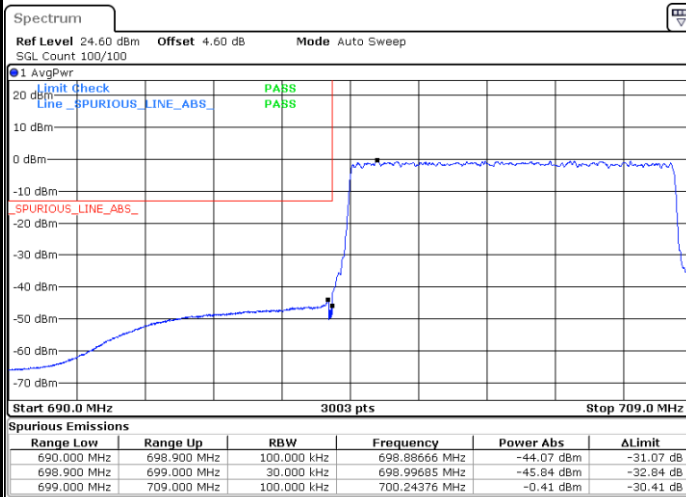
Date: 21.JUL.2023 13:36:31

Highest Band Edge / 1 RB



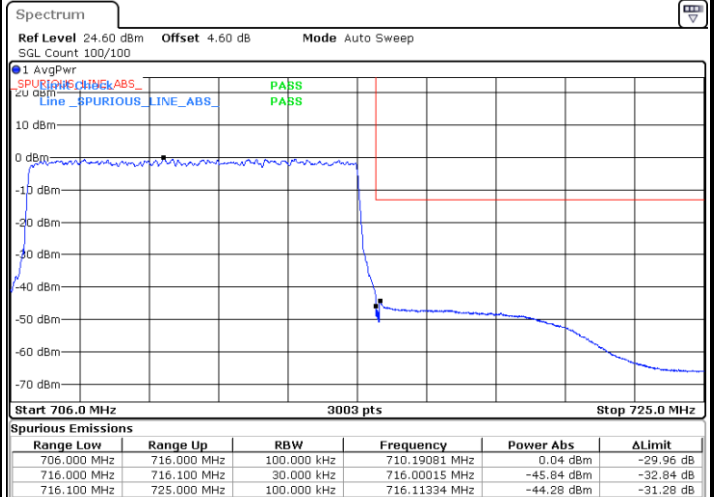
Date: 21.JUL.2023 13:40:40

Lowest Band Edge / Full RB



Date: 21.JUL.2023 13:37:53

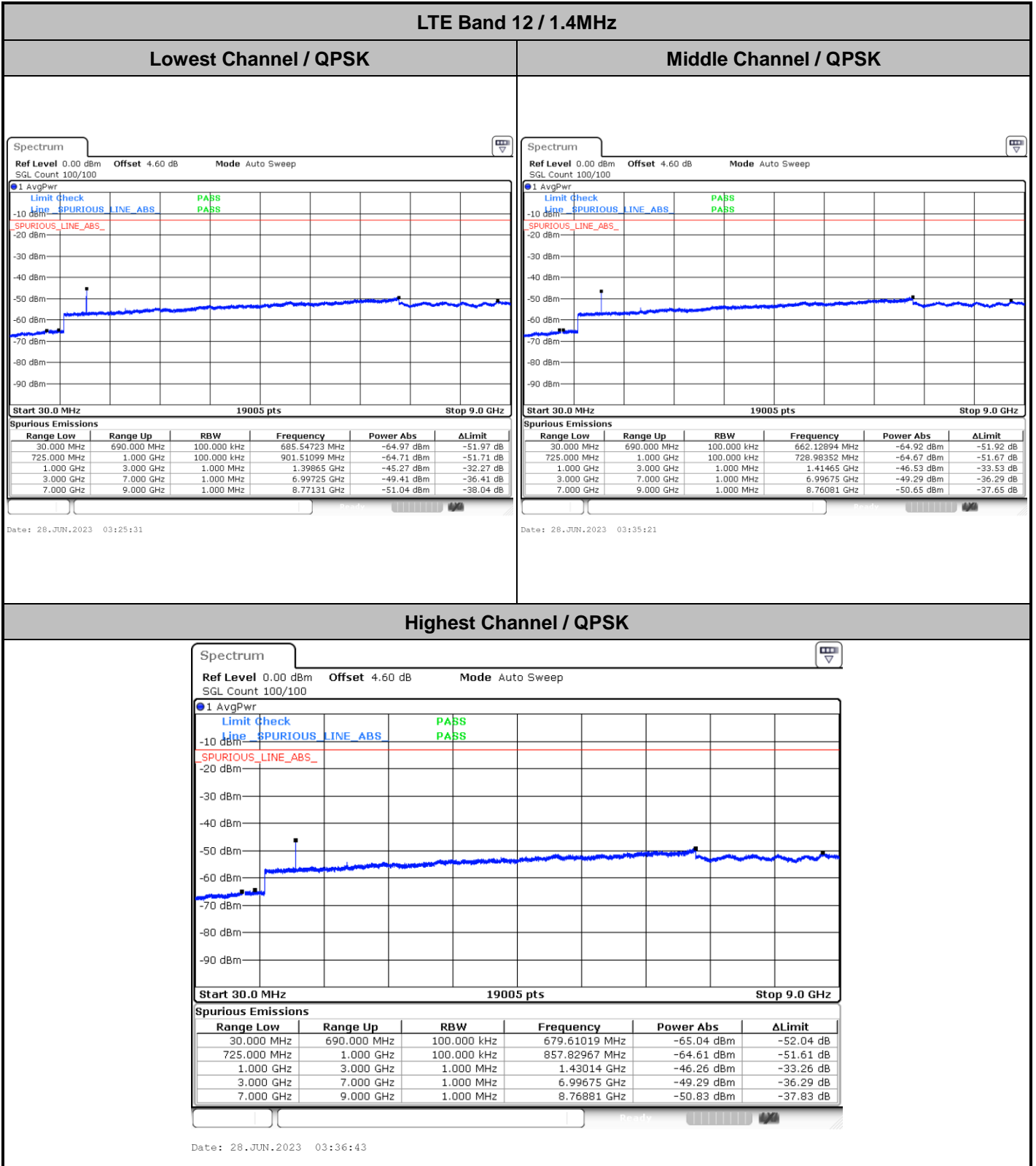
Highest Band Edge / Full RB



Date: 21.JUL.2023 13:39:04



Conducted Spurious Emission

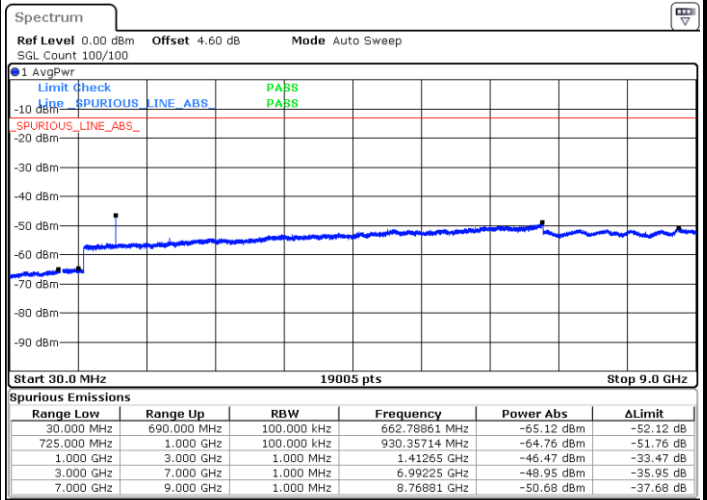
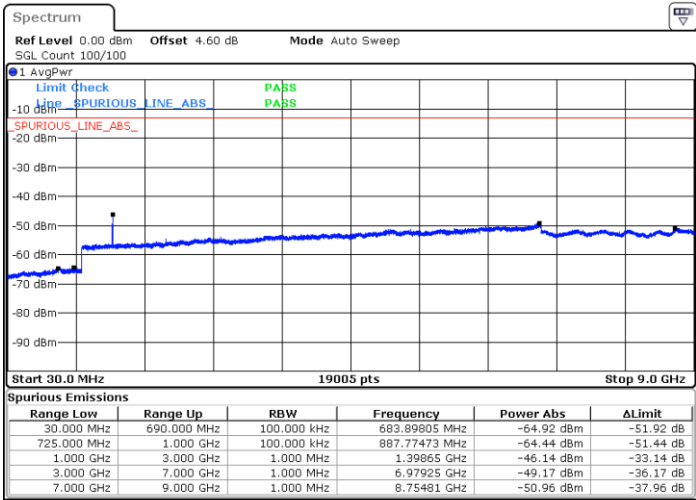




LTE Band 12 / 3MHz

Lowest Channel / QPSK

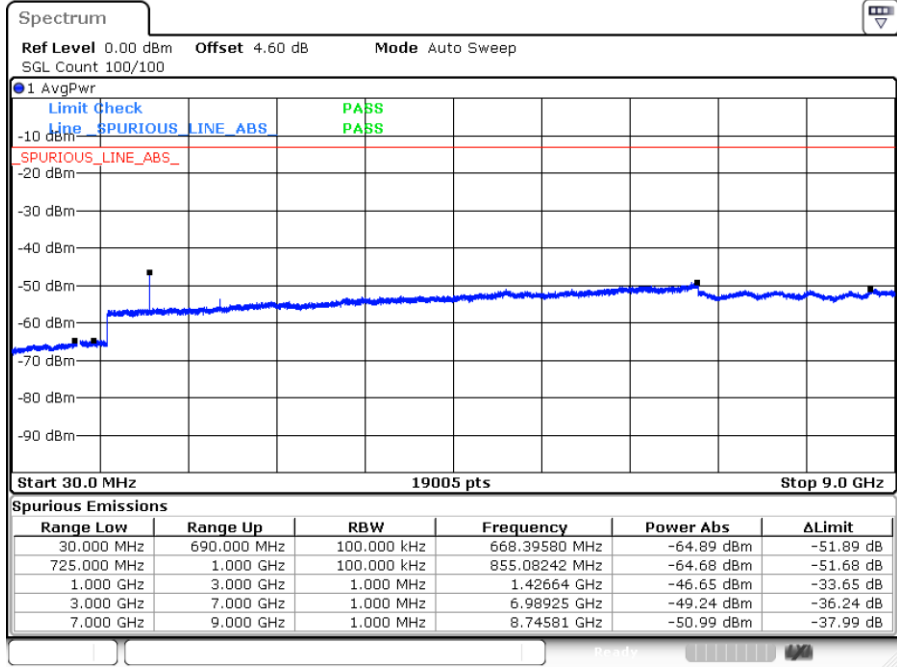
Middle Channel / QPSK



Date: 28.JUN.2023 03:46:35

Date: 28.JUN.2023 03:56:25

Highest Channel / QPSK



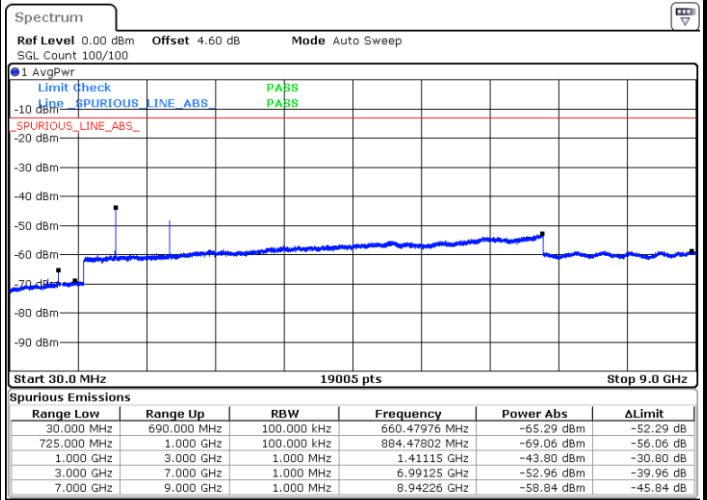
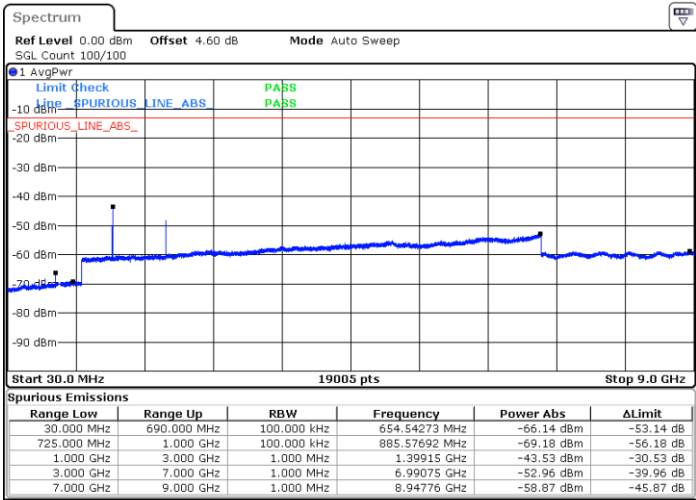
Date: 28.JUN.2023 03:57:47



LTE Band 12 / 5MHz

Lowest Channel / QPSK

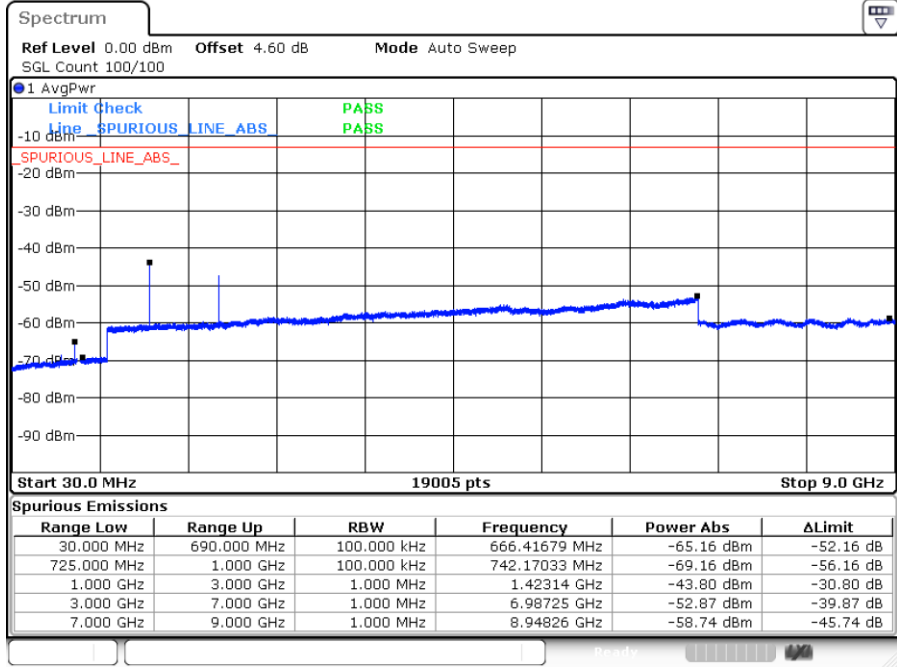
Middle Channel / QPSK



Date: 28.JUN.2023 04:05:08

Date: 28.JUN.2023 04:12:29

Highest Channel / QPSK



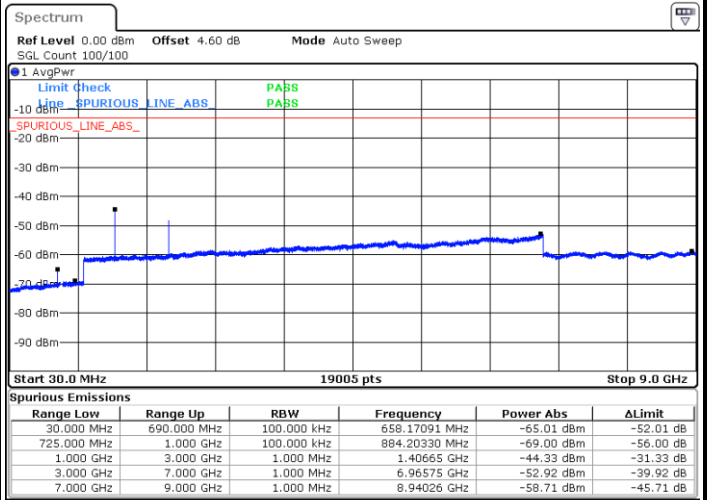
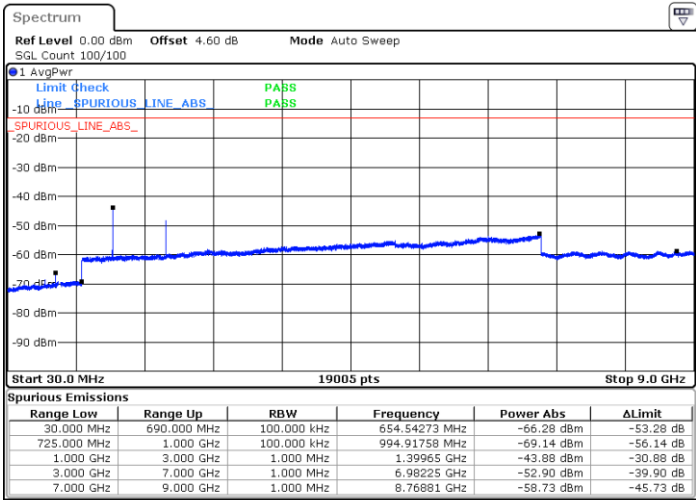
Date: 28.JUN.2023 04:13:51



LTE Band 12 / 10MHz

Lowest Channel / QPSK

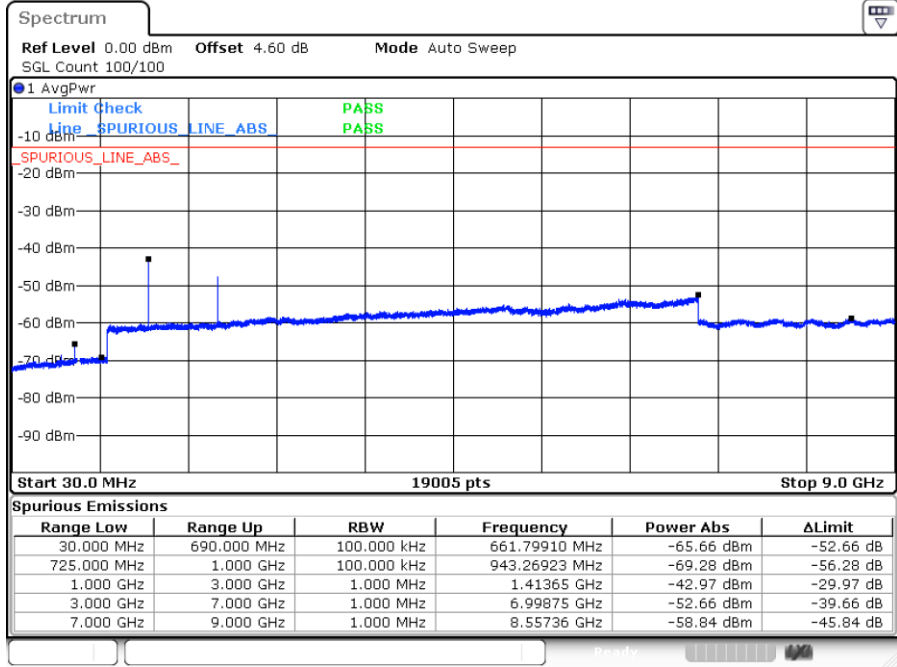
Middle Channel / QPSK



Date: 28.JUN.2023 04:21:13

Date: 28.JUN.2023 04:28:34

Highest Channel / QPSK



Date: 28.JUN.2023 04:29:56



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	0.0080	PASS
40	Normal Voltage	0.0106	
30	Normal Voltage	0.0121	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0074	
-10	Normal Voltage	0.0087	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0070	
20	Battery End Point	0.0016	

Note:

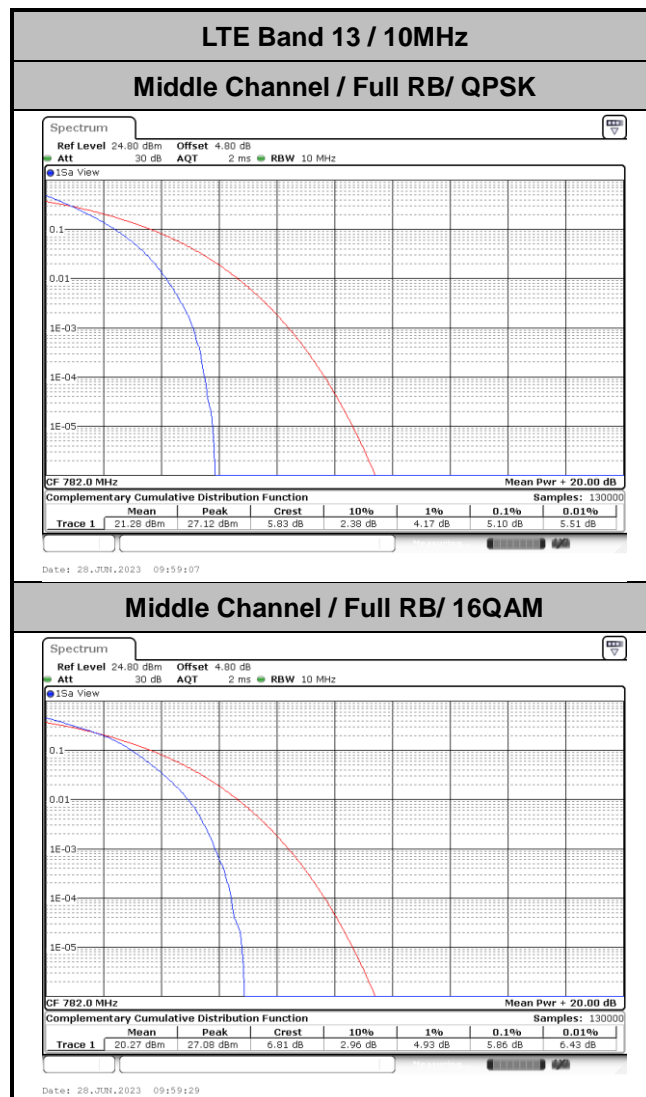
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

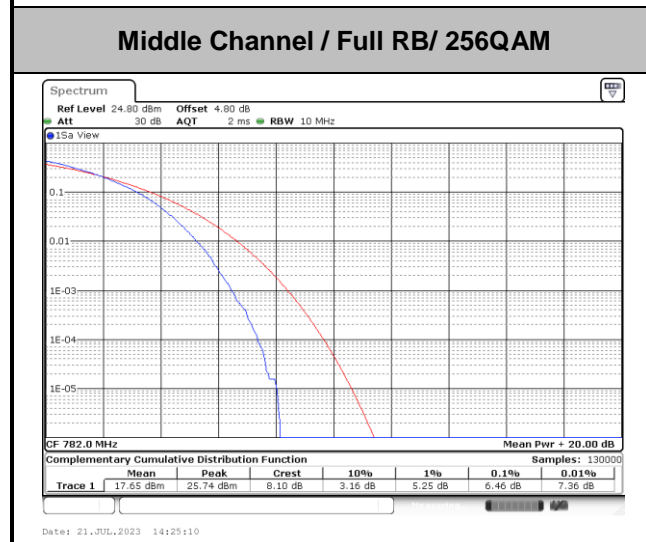
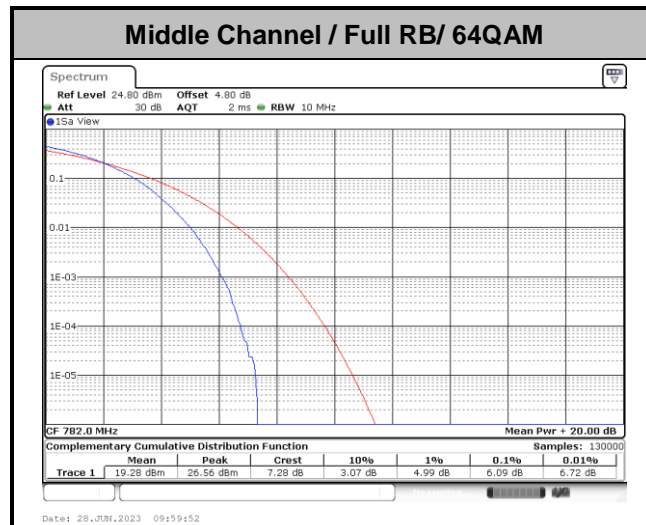


LTE Band 13

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	5.10	5.86	6.09	6.46	PASS

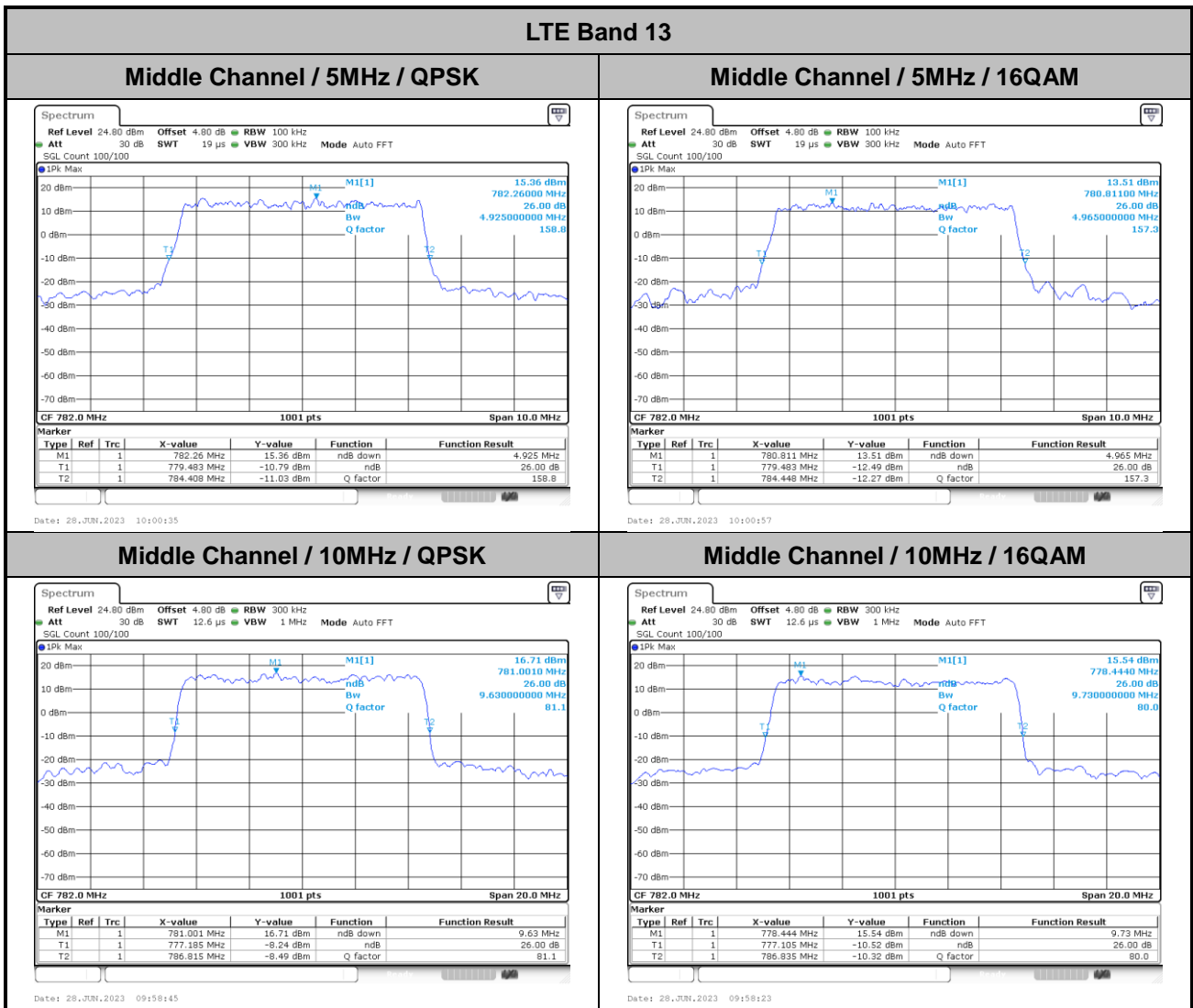






26dB Bandwidth

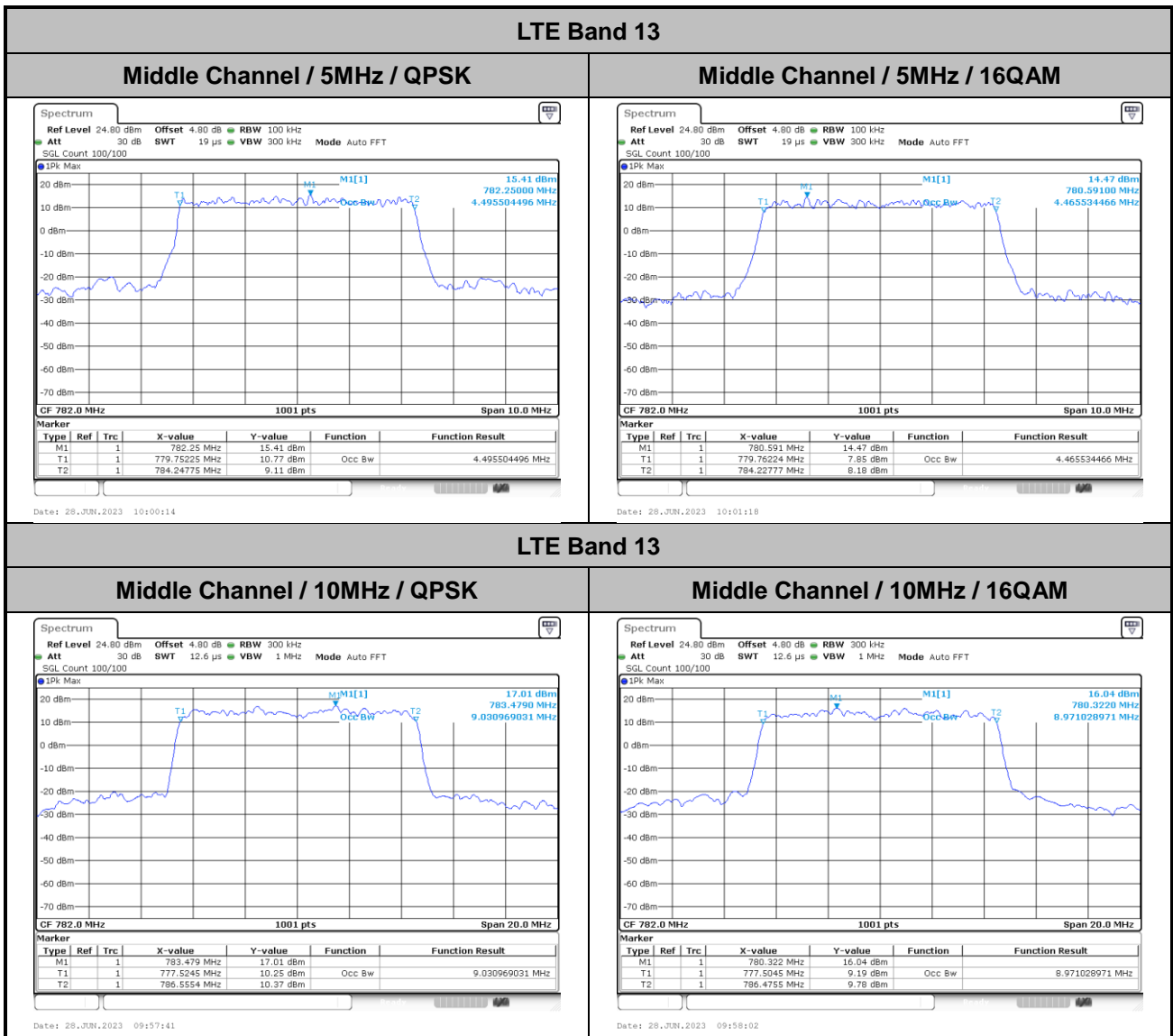
Mode		LTE Band 13 : 26dB BW(MHz)	
BW		5MHz	
Mod.	QPSK	16QAM	
Middle CH	4.93	4.97	
BW		10MHz	
Mod.	QPSK	16QAM	
Middle CH	9.63	9.73	





Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.47
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	8.97

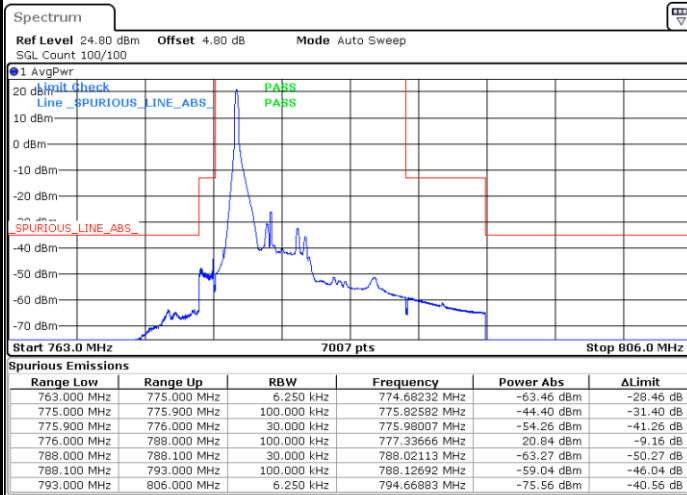




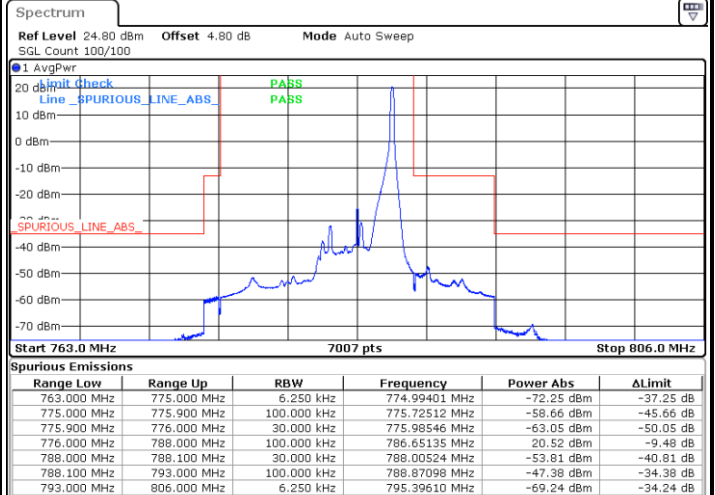
Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

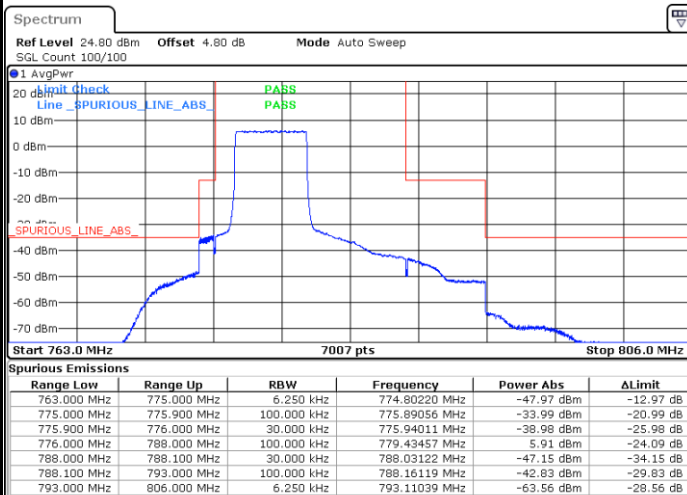
Lowest Band Edge / 1 RB



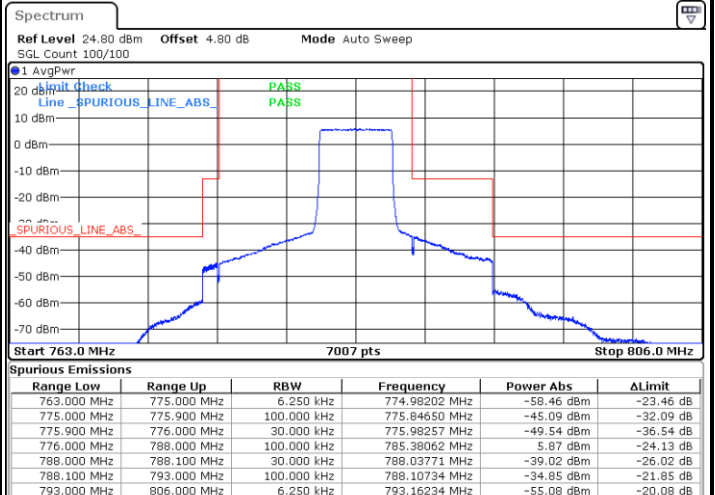
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

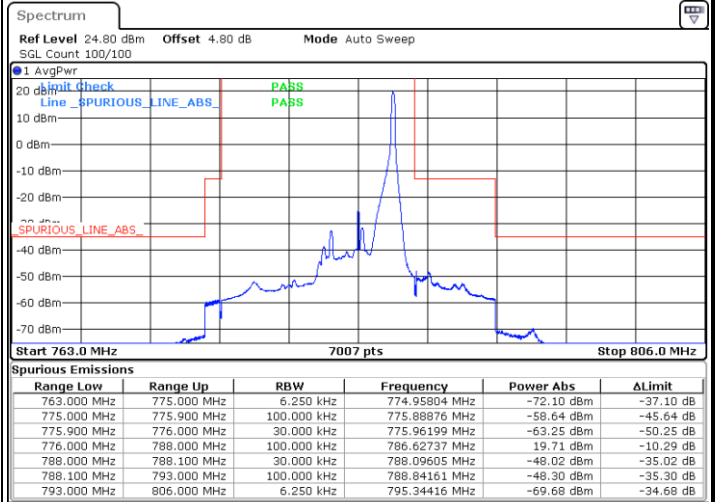
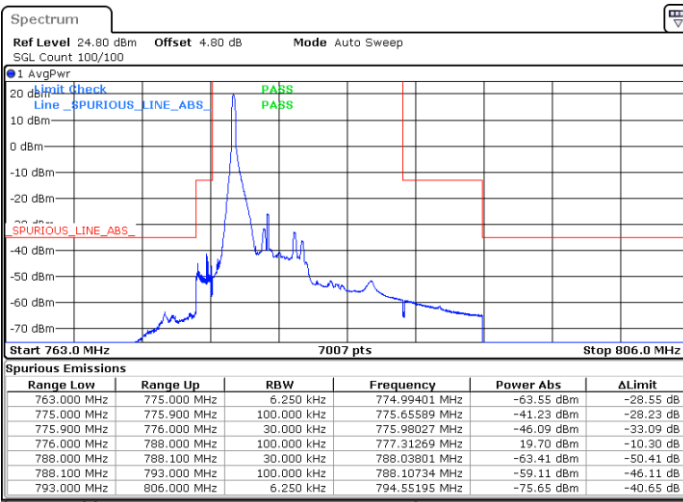




LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

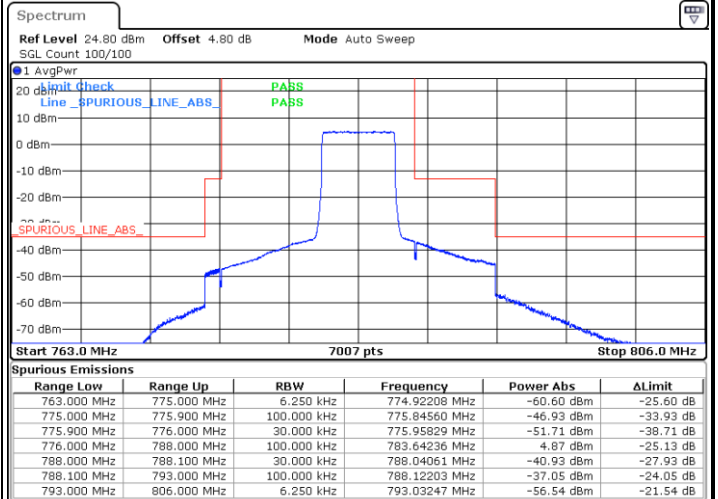
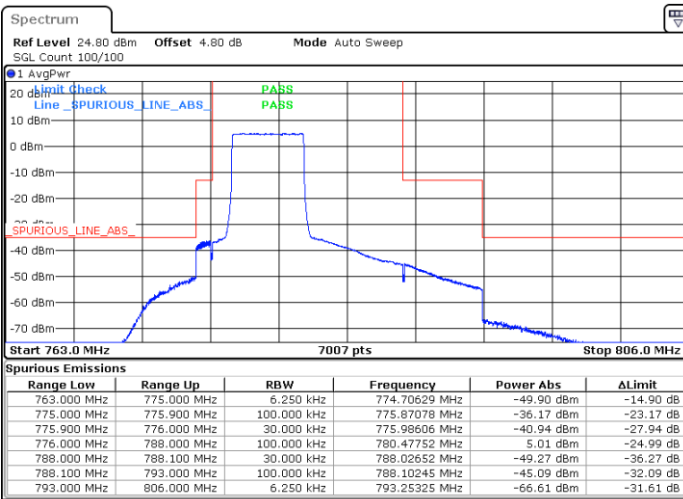


Date: 28.JUN.2023 09:18:11

Date: 28.JUN.2023 09:32:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.JUN.2023 09:23:45

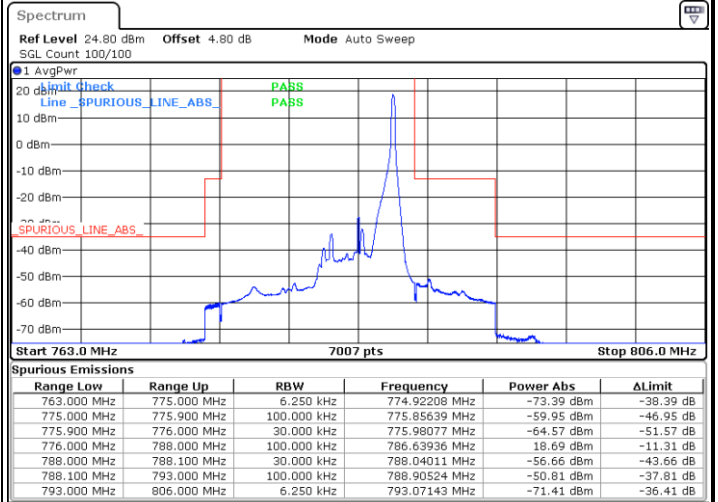
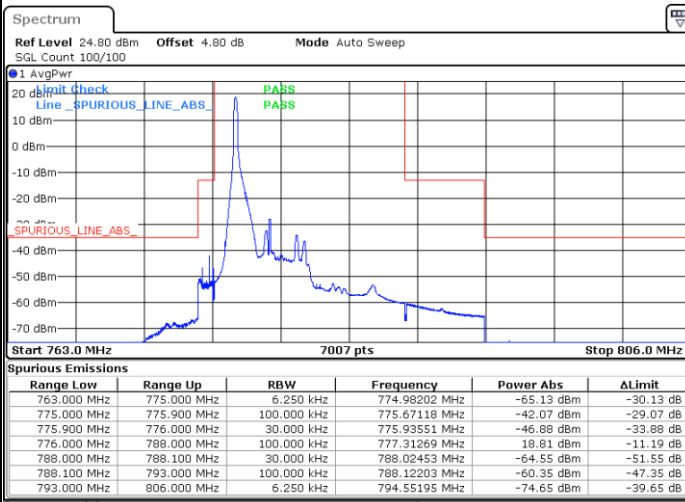
Date: 28.JUN.2023 09:37:36



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

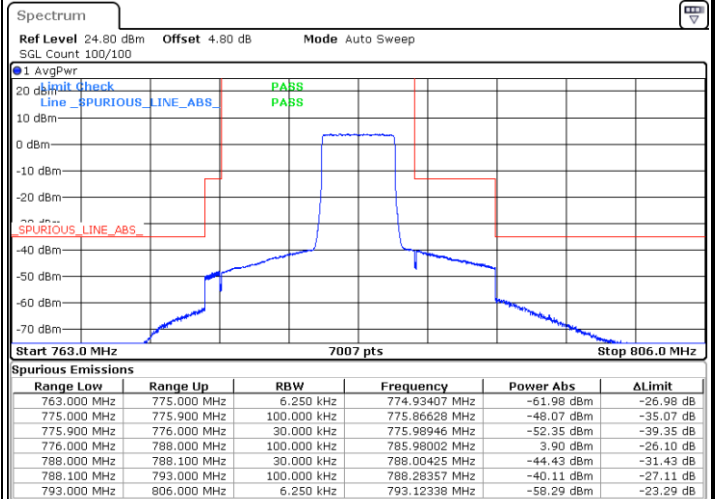
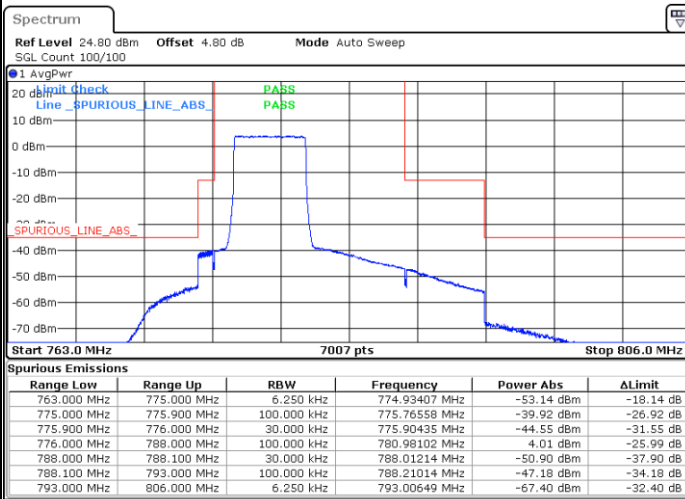


Date: 28 JUN.2023 09:20:02

Date: 28 JUN.2023 09:33:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



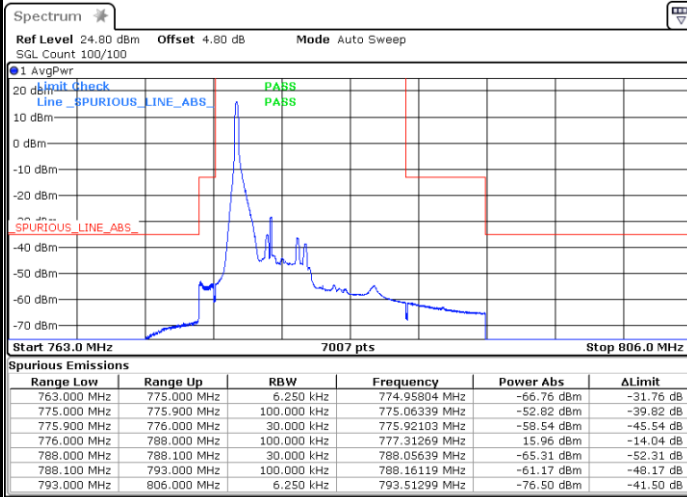
Date: 28 JUN.2023 09:21:54

Date: 28 JUN.2023 09:35:45



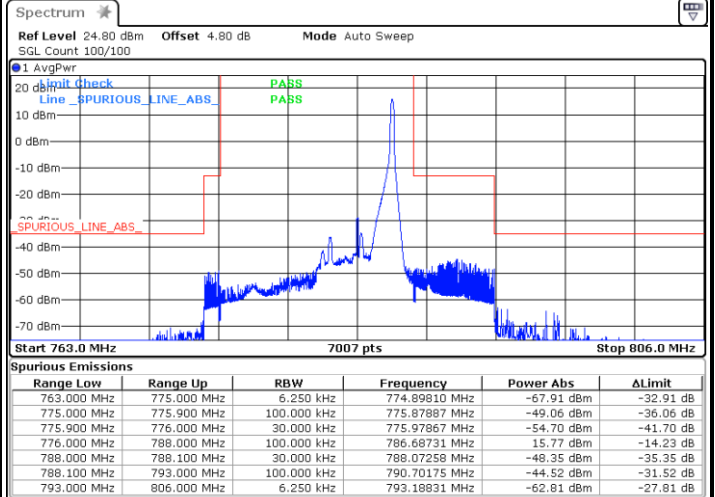
LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1RB



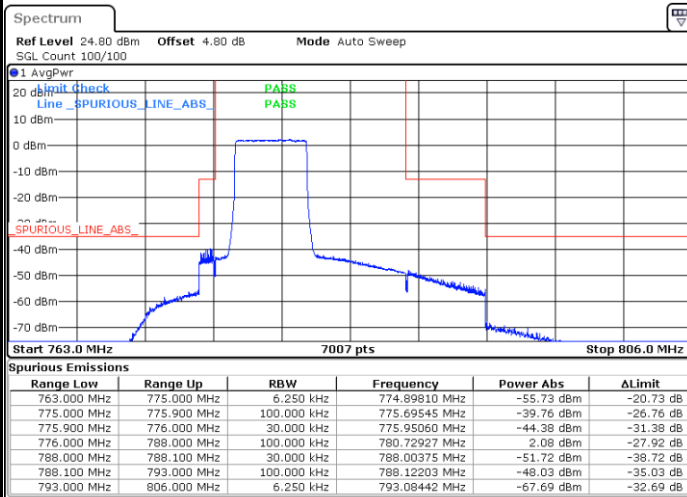
Date: 21.JUL.2023 14:09:11

Highest Band Edge / 1 RB



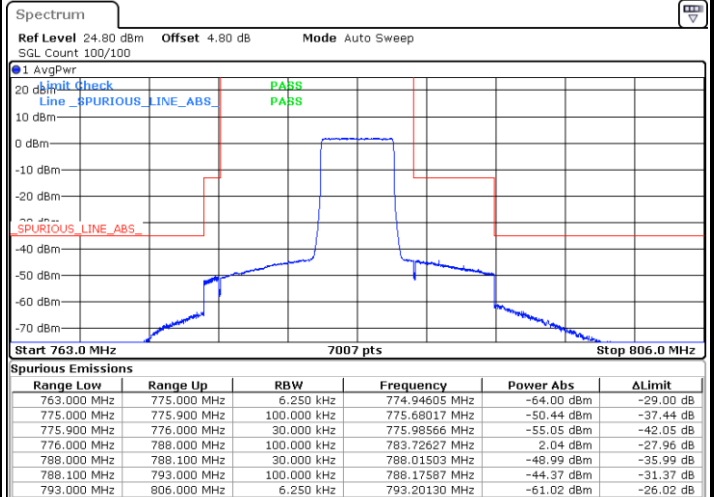
Date: 21.JUL.2023 14:16:13

Lowest Band Edge / Full RB



Date: 21.JUL.2023 14:10:56

Highest Band Edge / Full RB

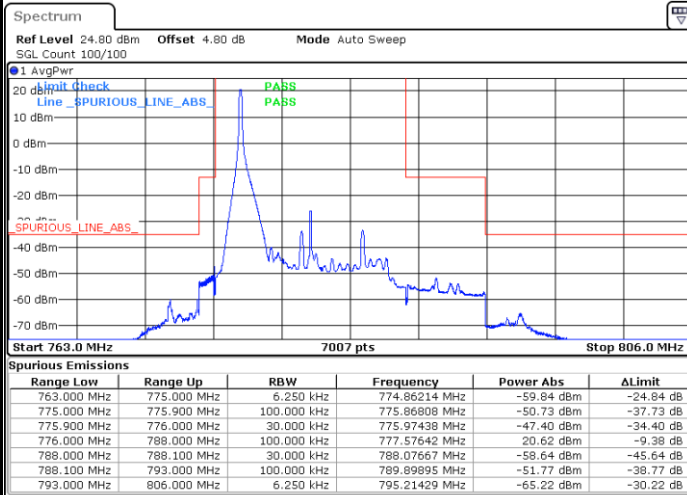


Date: 21.JUL.2023 14:13:08



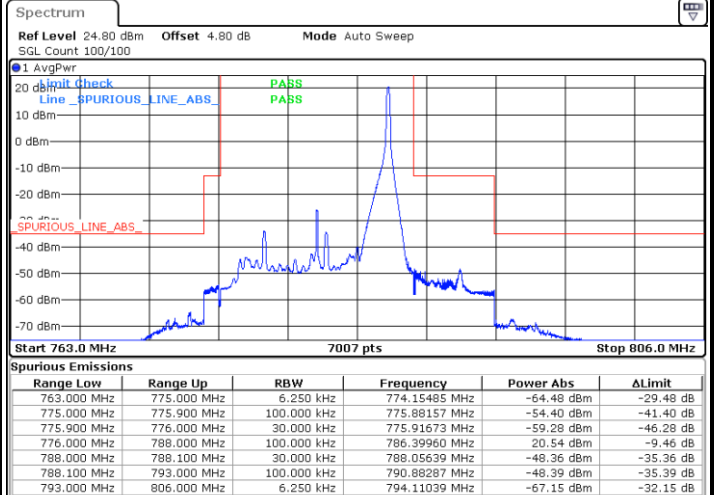
LTE Band 13 / 10MHz / QPSK

Middle Band Edge / 1 RB



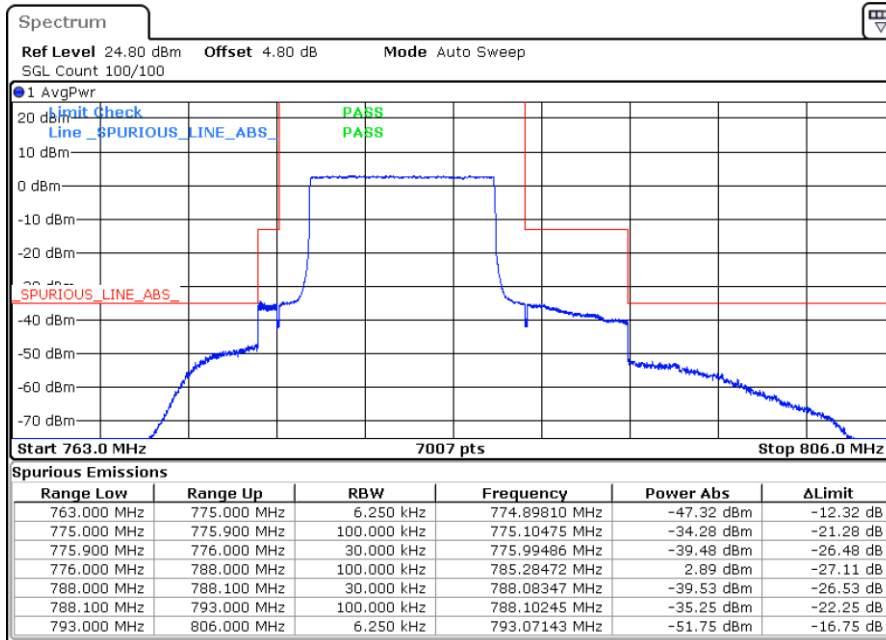
Date: 28 JUN 2023 09:42:39

Middle Band Edge / 1 RB



Date: 28 JUN 2023 09:51:50

Middle Band Edge / Full RB

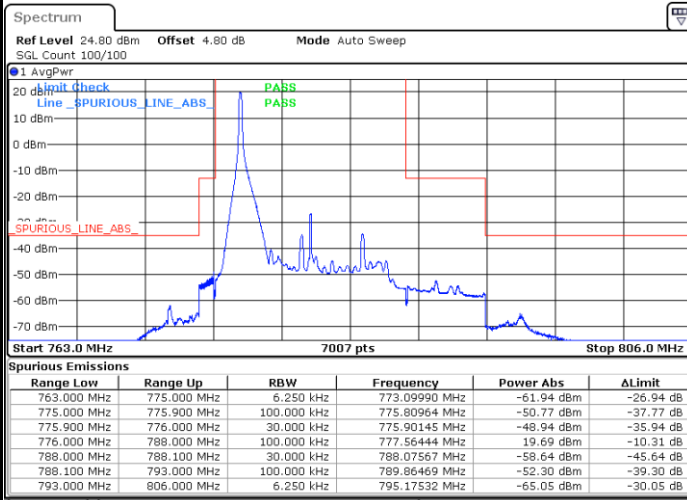


Date: 28 JUN 2023 09:53:40



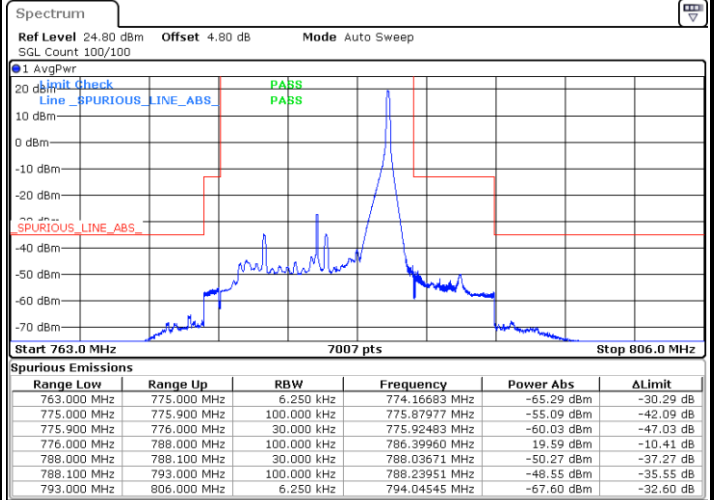
LTE Band 13 / 10MHz / 16QAM

Middle Band Edge / 1 RB



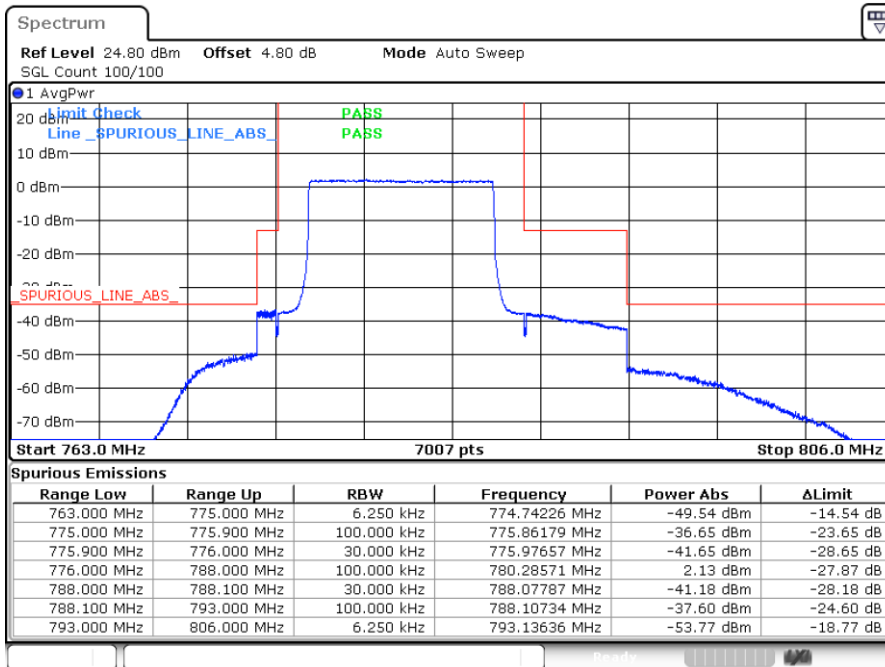
Date: 28 JUN 2023 09:44:30

Middle Band Edge / 1 RB



Date: 28 JUN 2023 09:50:00

Middle Band Edge / Full RB

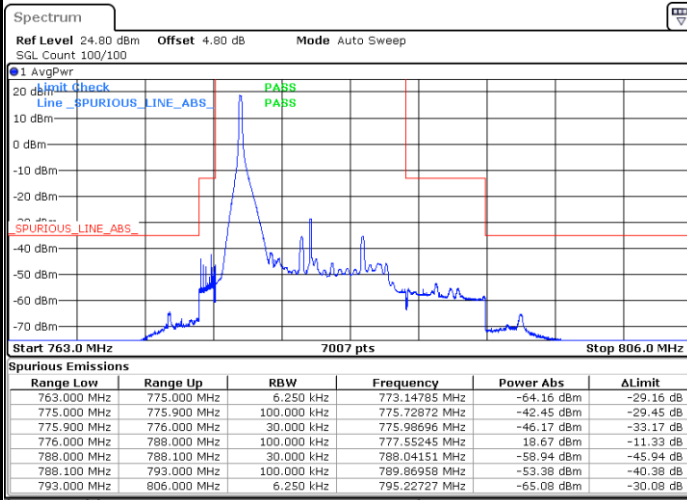


Date: 28 JUN 2023 09:55:30



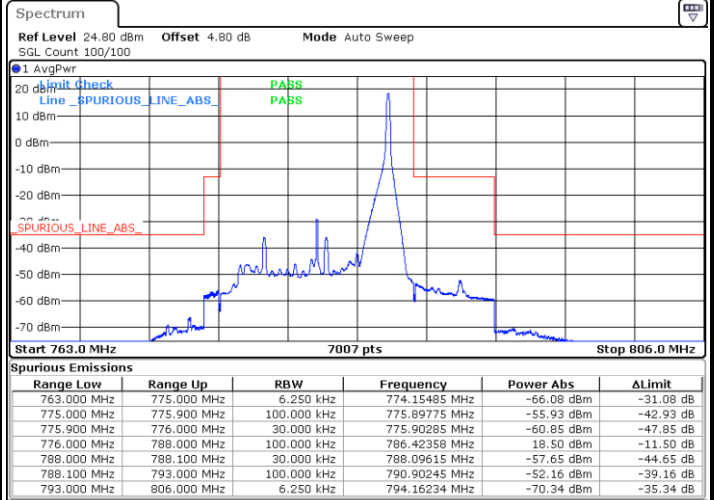
LTE Band 13 / 10MHz / 64QAM

Middle Band Edge / 1 RB



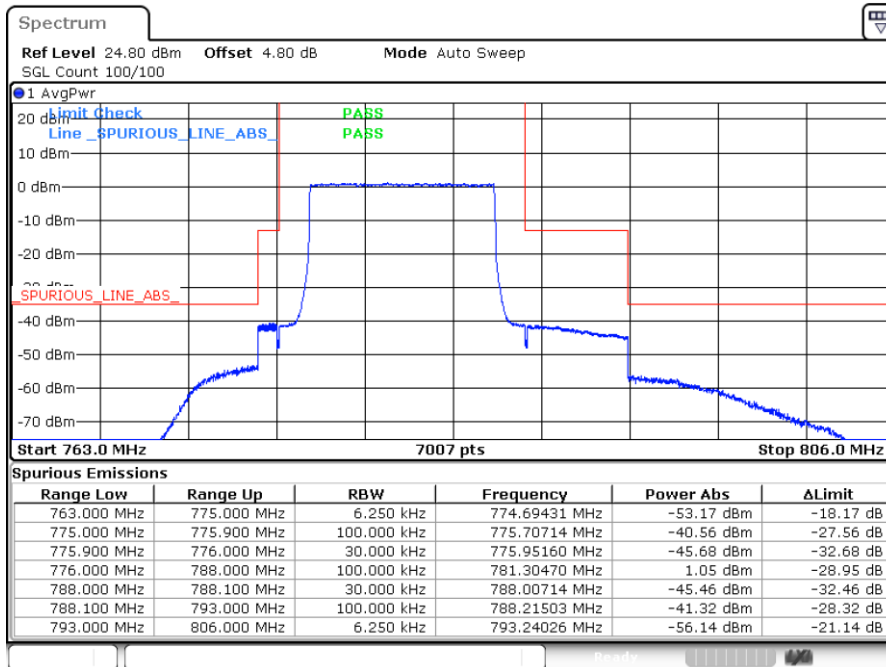
Date: 28 JUN 2023 09:46:20

Middle Band Edge / 1 RB



Date: 28 JUN 2023 09:48:10

Middle Band Edge / Full RB



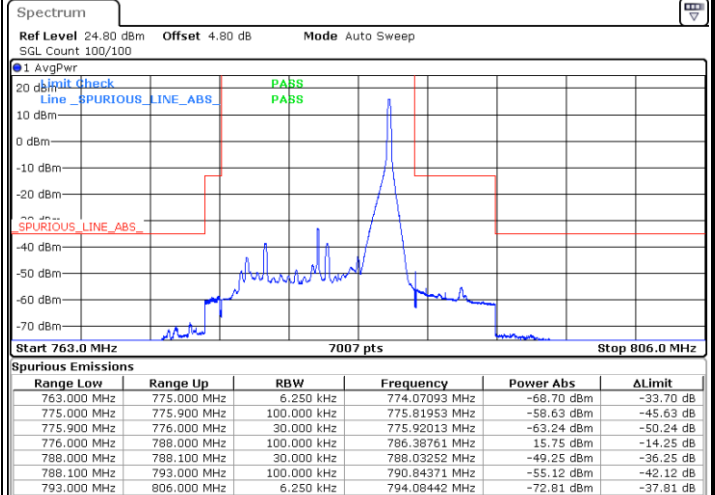
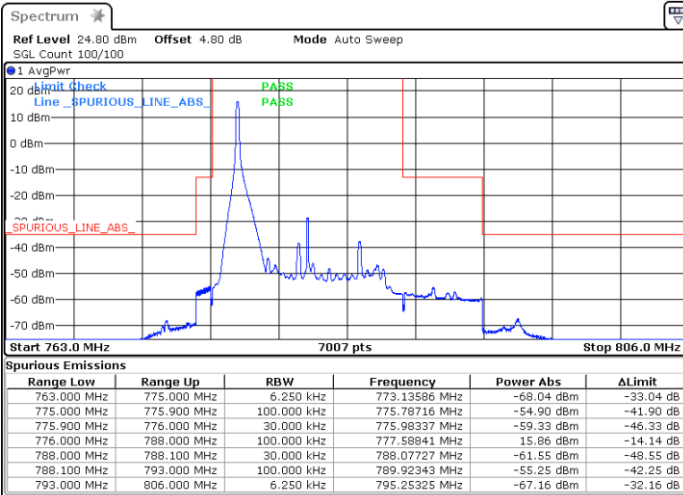
Date: 28 JUN 2023 09:57:20



LTE Band 13 / 10MHz / 256QAM

Middle Band Edge / 1 RB

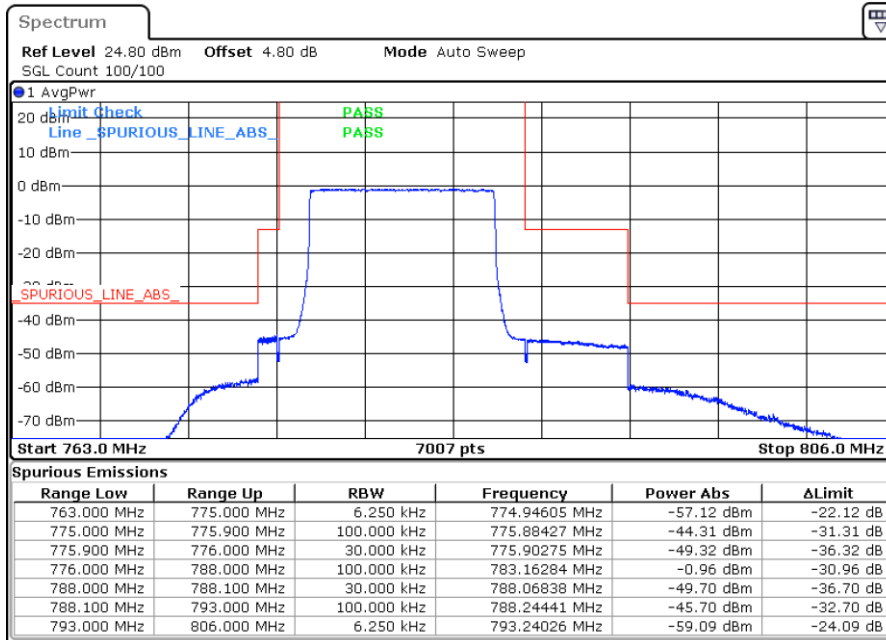
Middle Band Edge / 1 RB



Date: 21.JUL.2023 14:19:56

Date: 21.JUL.2023 14:23:57

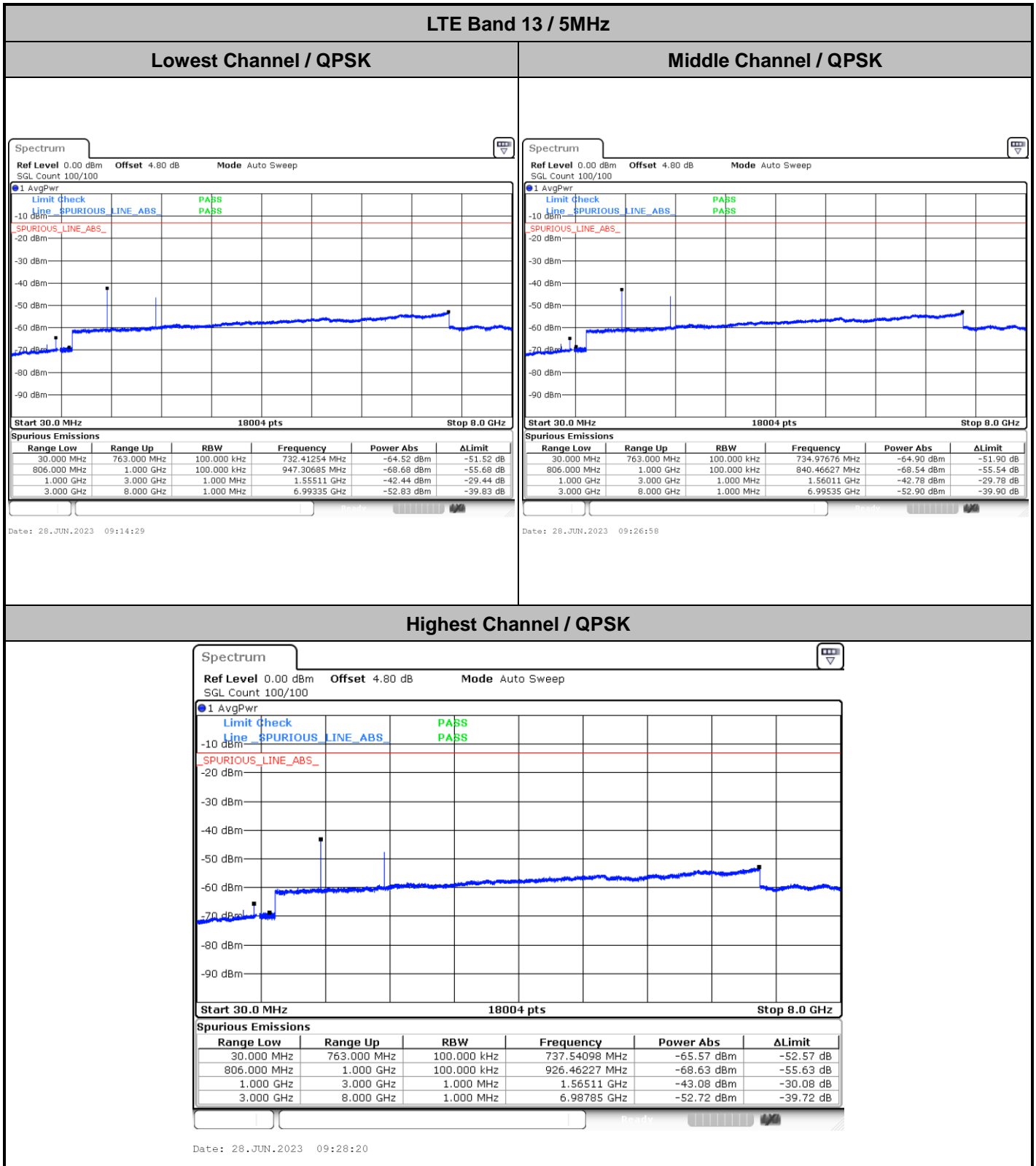
Middle Band Edge / Full RB



Date: 21.JUL.2023 14:22:10



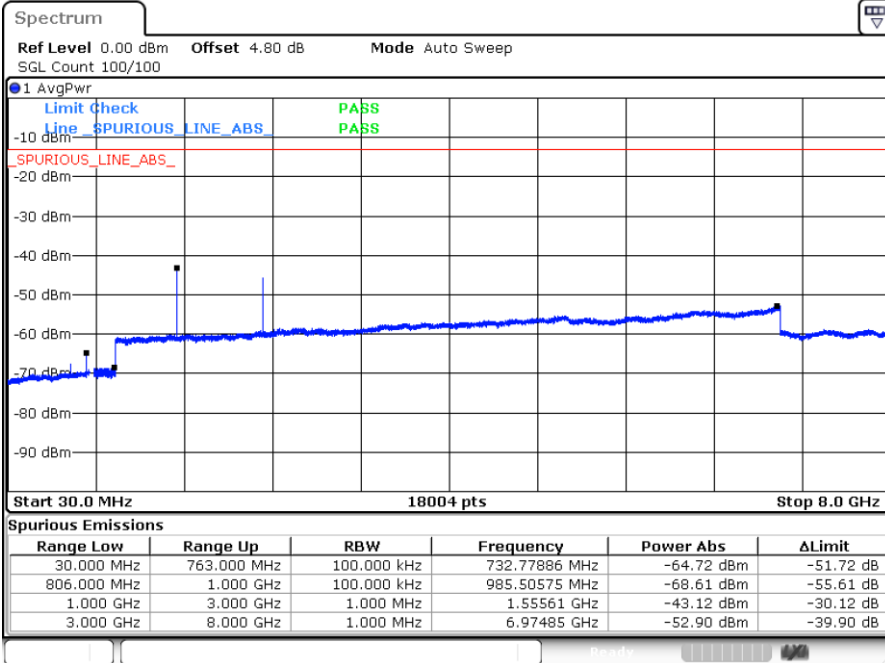
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 28.JUN.2023 09:40:49



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	0.0033	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0056	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0039	
-30	Normal Voltage	0.0044	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0038	
20	Battery End Point	0.0005	

Note:

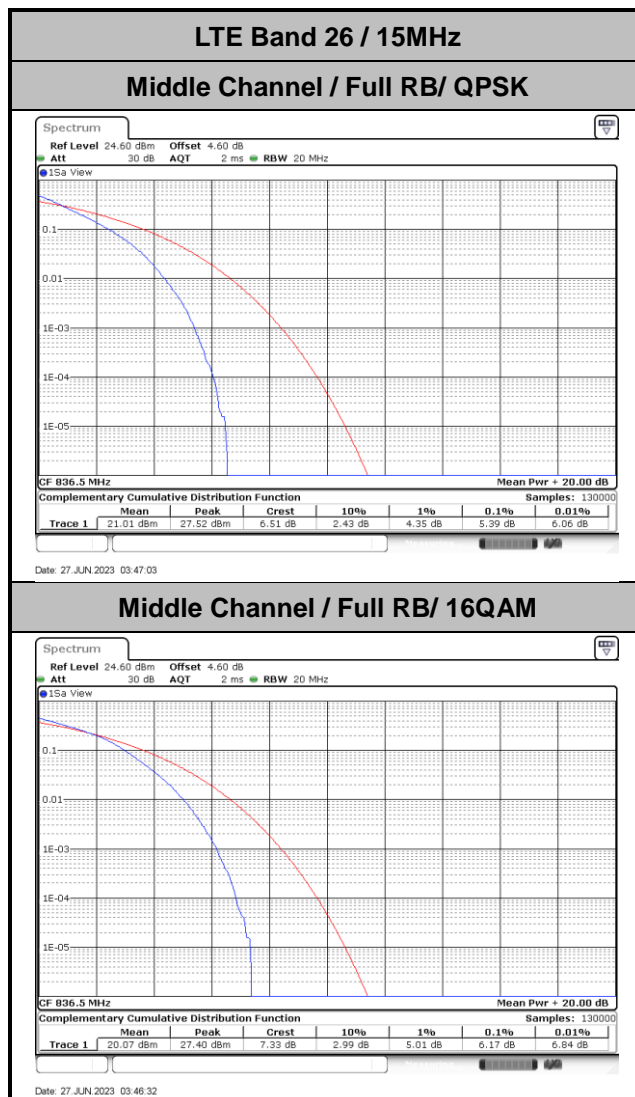
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

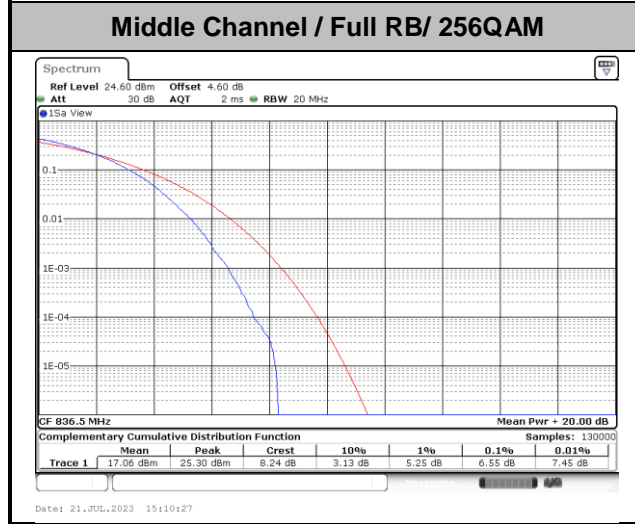
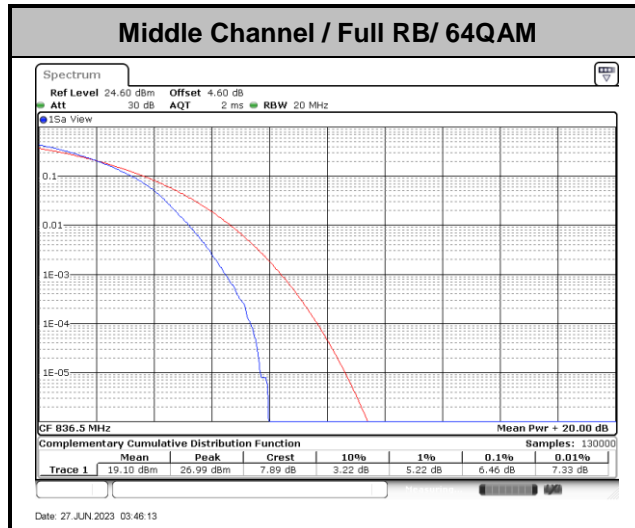


LTE Band 26

Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.39	6.17	6.46	6.55	PASS







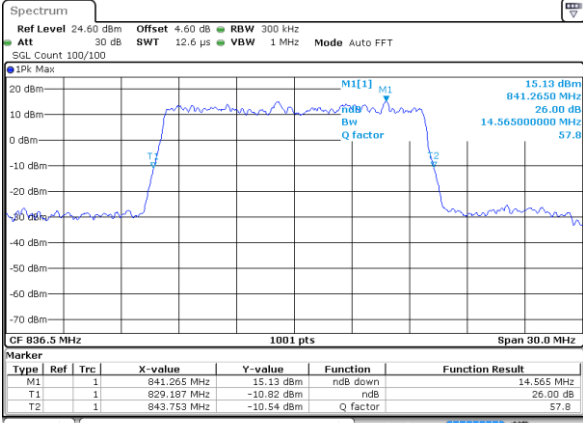
26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.57	14.27
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.71	9.75
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.88	4.88
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.94	2.96
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.25	1.28



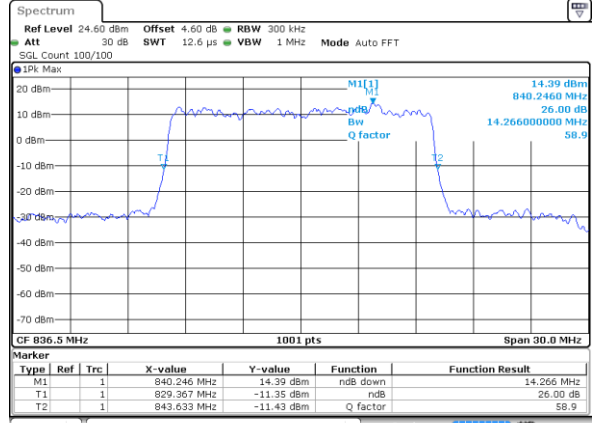
LTE Band 26

Middle Channel / 15MHz / QPSK



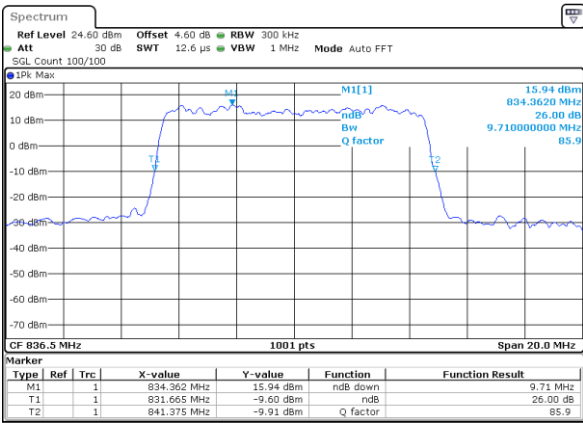
Date: 27 JUN 2023 03:47:17

Middle Channel / 15MHz / 16QAM



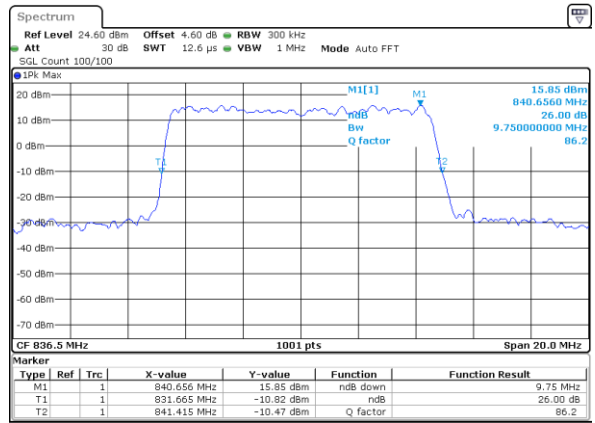
Date: 27 JUN 2023 03:46:49

Middle Channel / 10MHz / QPSK



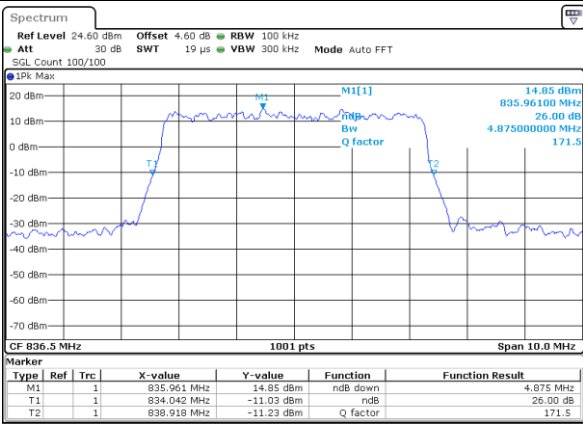
Date: 27 JUN 2023 03:24:48

Middle Channel / 10MHz / 16QAM



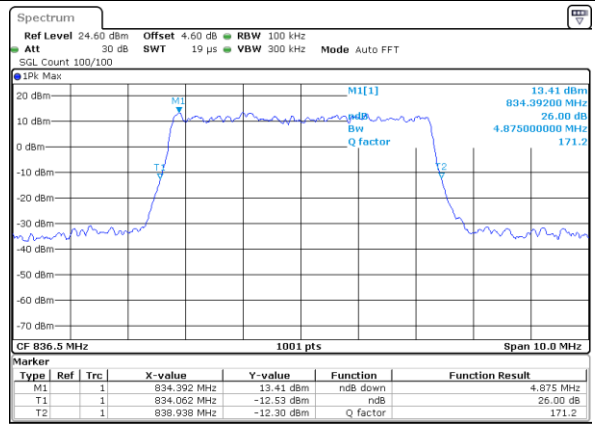
Date: 27 JUN 2023 03:25:06

Middle Channel / 5MHz / QPSK



Date: 27 JUN 2023 03:06:35

Middle Channel / 5MHz / 16QAM

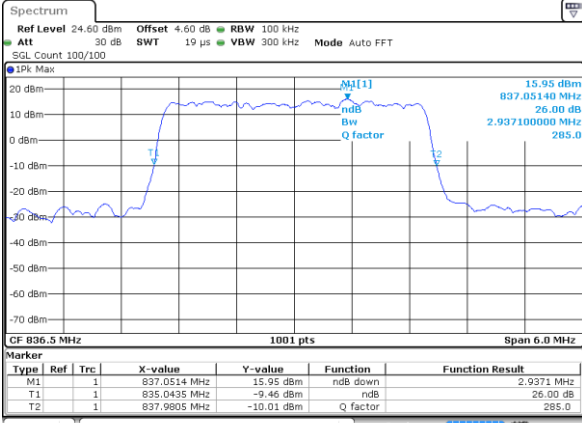


Date: 27 JUN 2023 03:06:49



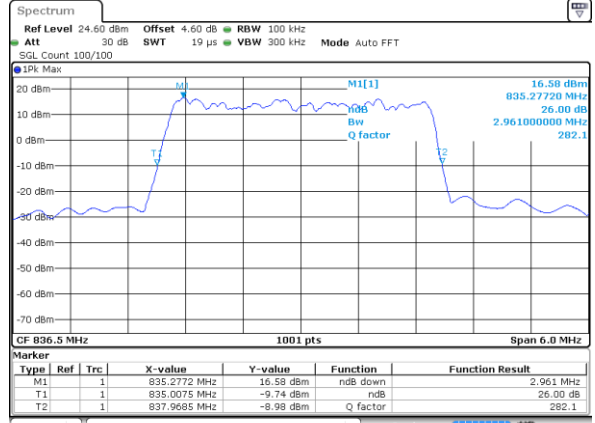
LTE Band 26

Middle Channel / 3MHz / QPSK



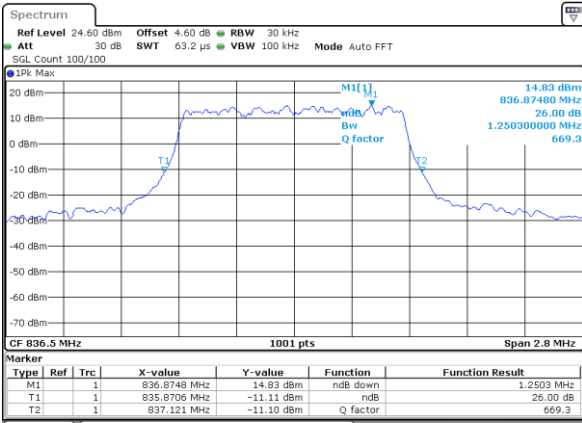
Date: 27 JUN 2023 02:43:33

Middle Channel / 3MHz / 16QAM



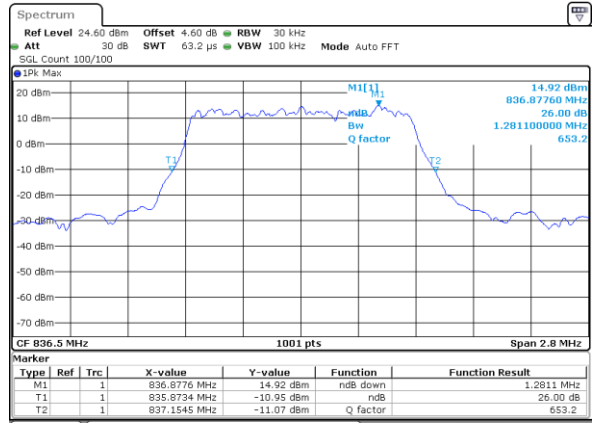
Date: 27 JUN 2023 02:43:02

Middle Channel / 1.4MHz / QPSK



Date: 27 JUN 2023 02:19:03

Middle Channel / 1.4MHz / 16QAM



Date: 27 JUN 2023 02:19:16



Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.40	13.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.03
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.48	4.48
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.70	2.73
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.08	1.10
BW	15MHz (cross-rule)	
Mod.	QPSK	16QAM
CH26790	13.46	13.43