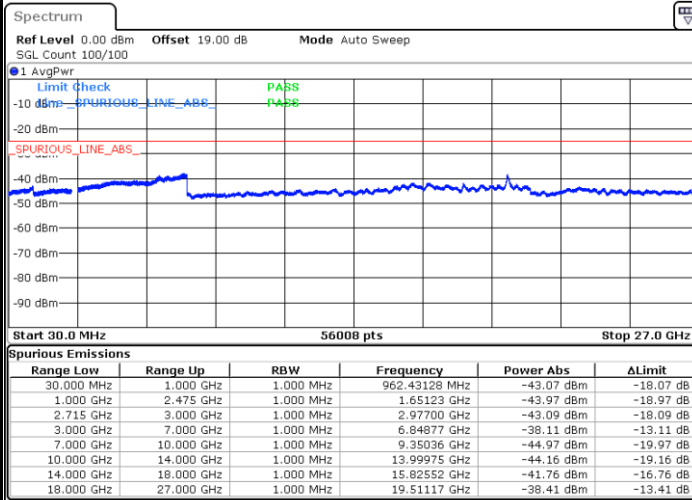




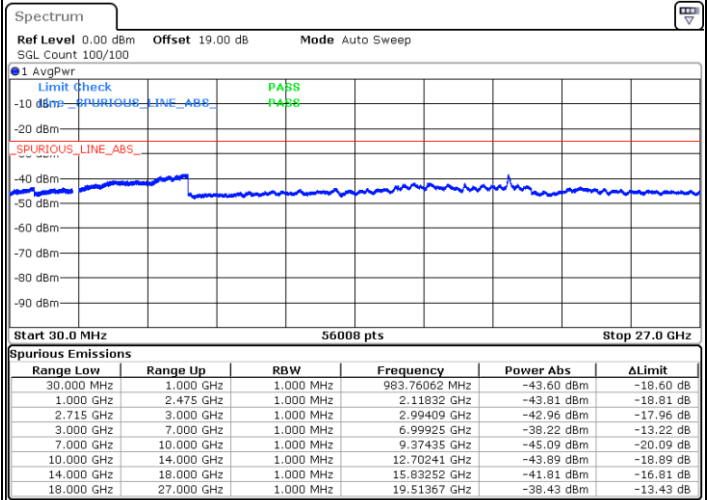
LTE Band 41 / 15MHz

Lowest Channel / QPSK



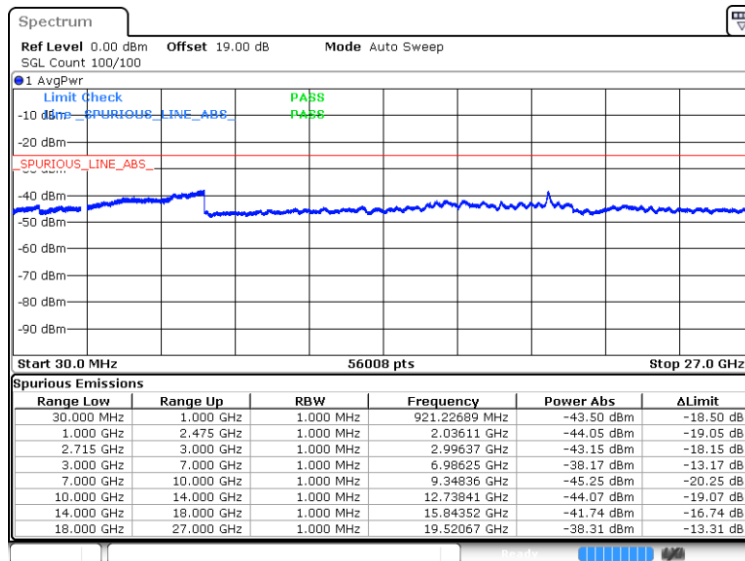
Date: 27.MAR.2024 17:35:44

Middle Channel / QPSK



Date: 27.MAR.2024 17:37:00

Highest Channel / QPSK

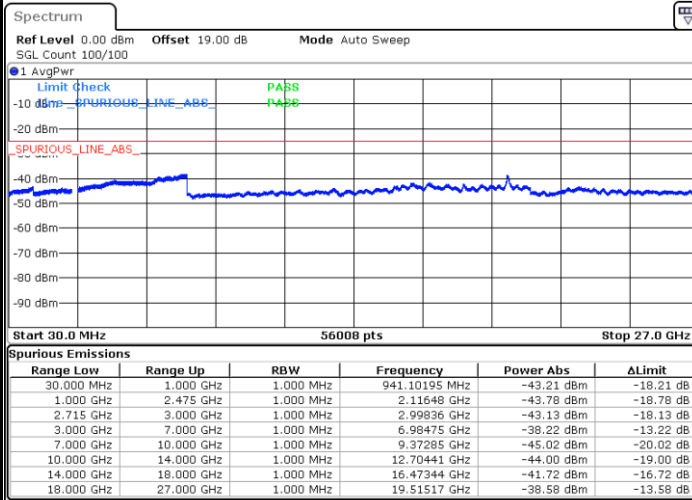


Date: 27.MAR.2024 17:45:08



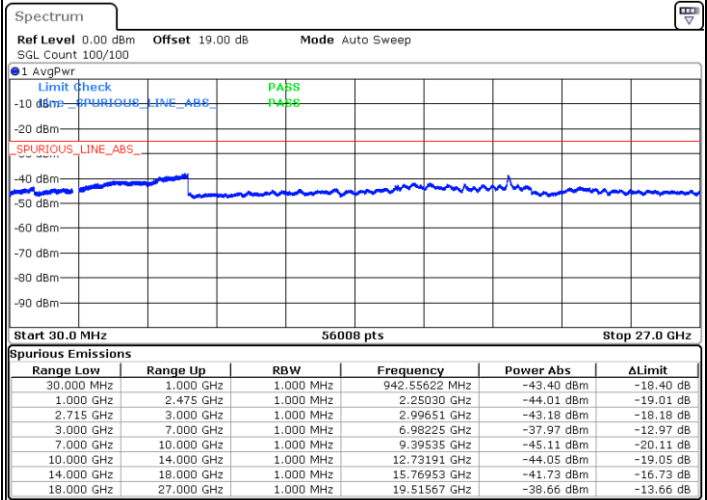
LTE Band 41 / 20MHz

Lowest Channel / QPSK



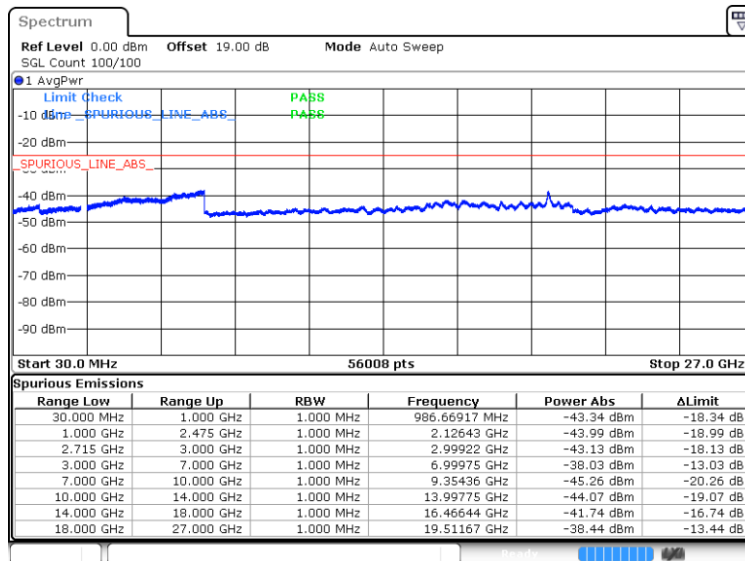
Date: 27.MAR.2024 17:53:18

Middle Channel / QPSK



Date: 27.MAR.2024 17:54:34

Highest Channel / QPSK



Date: 27.MAR.2024 18:02:53

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0010	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.14 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 71

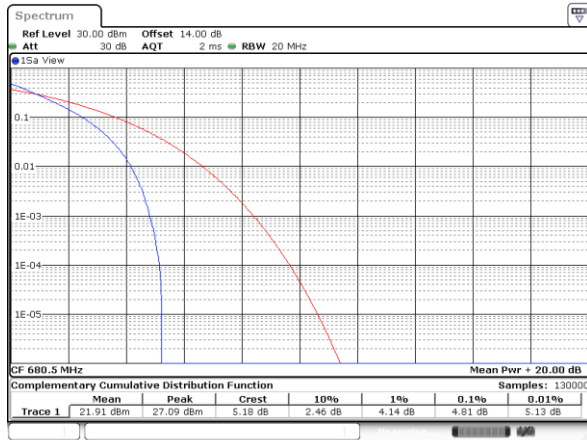
Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.81	5.83	6.26	PASS



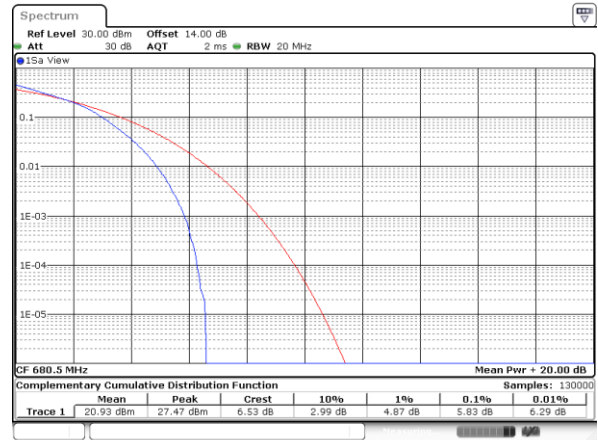
LTE Band 71 / 20MHz / QPSK

Middle Channel / Full RB



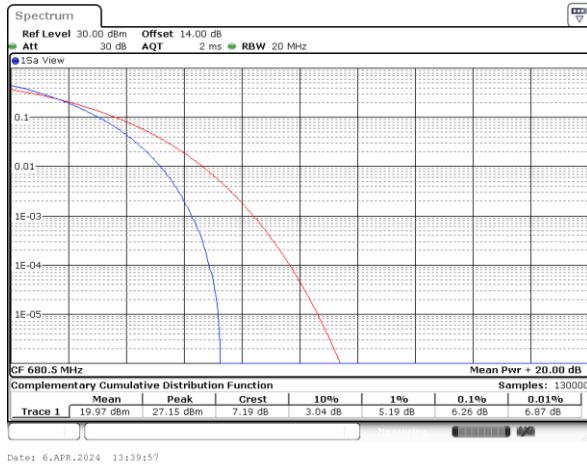
LTE Band 71 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 71 / 20MHz / 64QAM

Middle Channel / Full RB





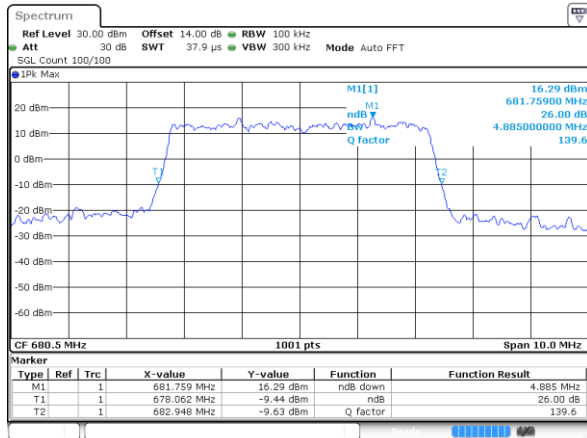
26dB Bandwidth

Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	DATA_26dB_1MA_M_QPSK	DATA_26dB_1MA_M_16QAM	DATA_26dB_3M_M_QPSK	DATA_26dB_3M_M_16QAM	4.89	4.88	9.77	9.87	14.54	14.39	19.02	18.98



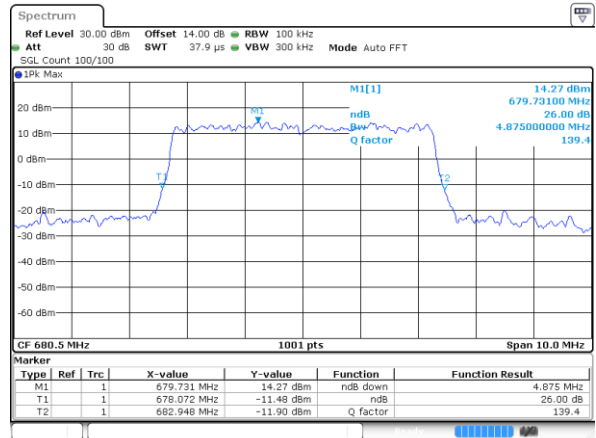
LTE Band 71

Middle Channel / 5MHz / QPSK



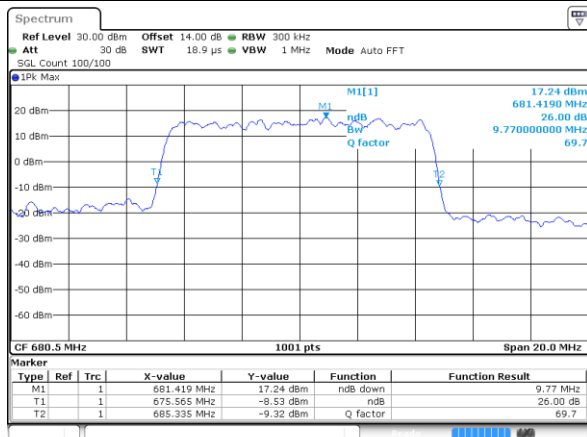
Date: 31 MAR 2024 10:19:21

Middle Channel / 5MHz / 16QAM



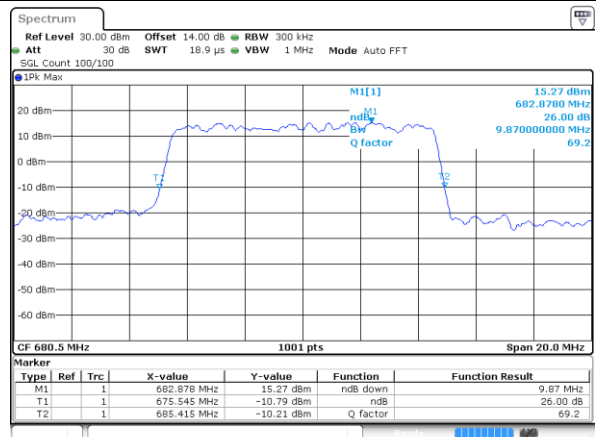
Date: 31 MAR 2024 10:20:00

Middle Channel / 10MHz / QPSK



Date: 31 MAR 2024 10:33:47

Middle Channel / 10MHz / 16QAM

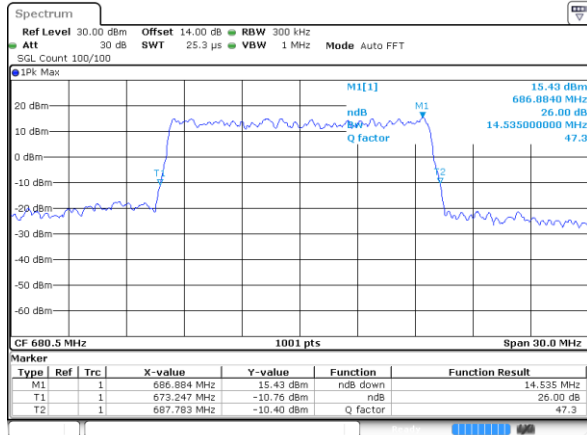


Date: 31 MAR 2024 10:34:26

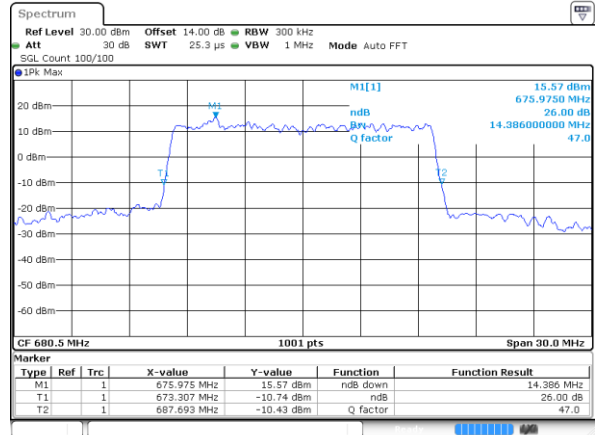


LTE Band 71

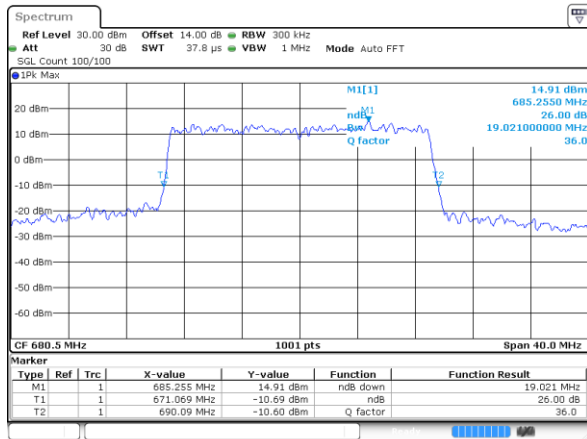
Middle Channel / 15MHz / QPSK



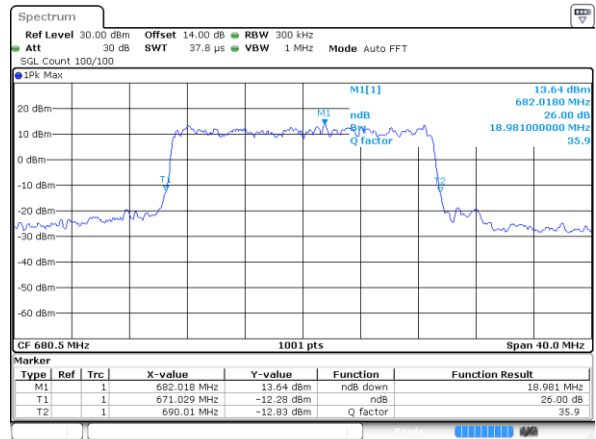
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM





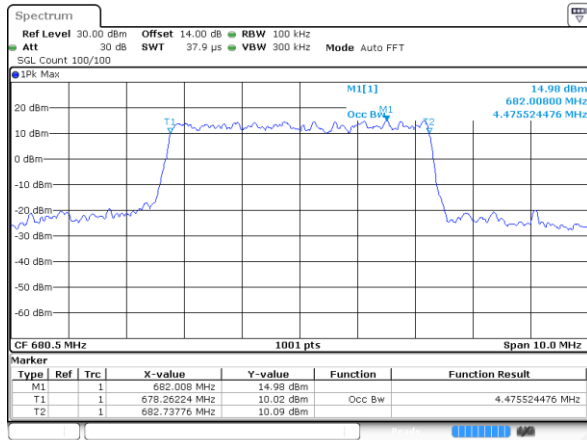
Occupied Bandwidth

Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.48	4.49	9.09	9.03	13.49	13.46	17.82	17.94



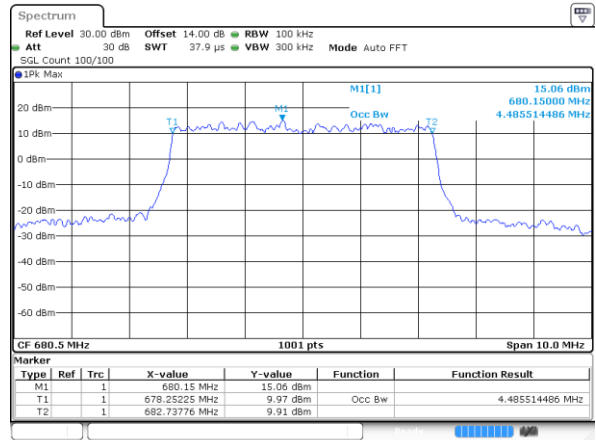
LTE Band 71

Middle Channel / 5MHz / QPSK



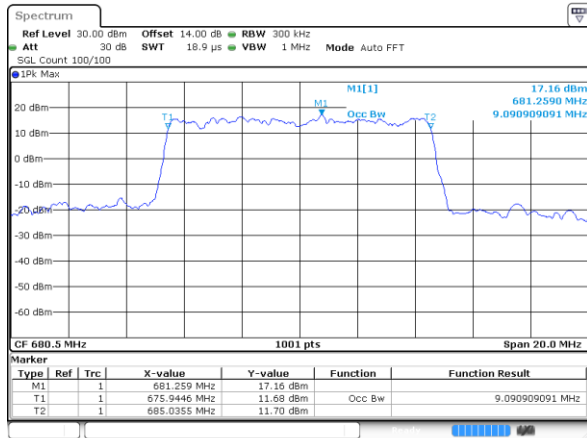
Date: 31 MAR 2024 10:19:07

Middle Channel / 5MHz / 16QAM



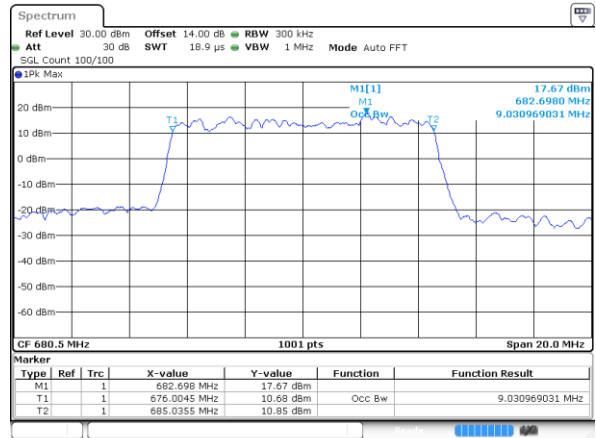
Date: 31 MAR 2024 10:19:47

Middle Channel / 10MHz / QPSK



Date: 31 MAR 2024 10:33:33

Middle Channel / 10MHz / 16QAM

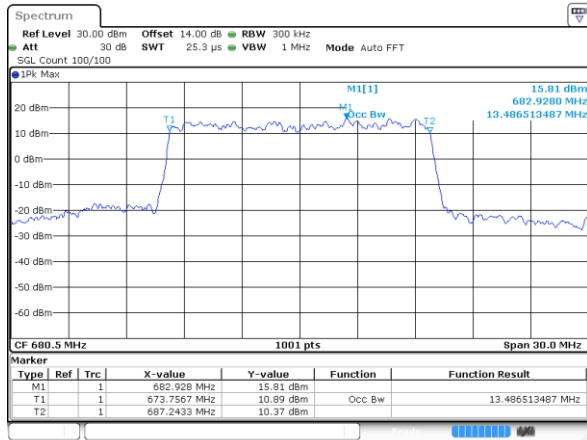


Date: 31 MAR 2024 10:34:12



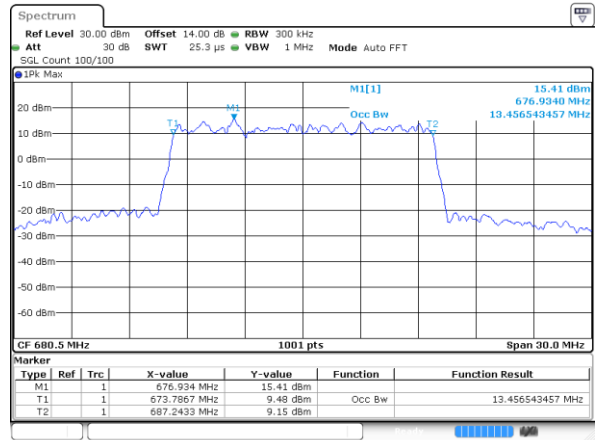
LTE Band 71

Middle Channel / 15MHz / QPSK



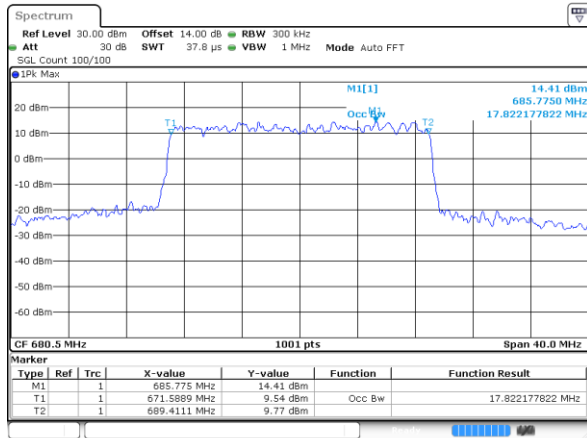
Date: 31 MAR 2024 10:48:47

Middle Channel / 15MHz / 16QAM



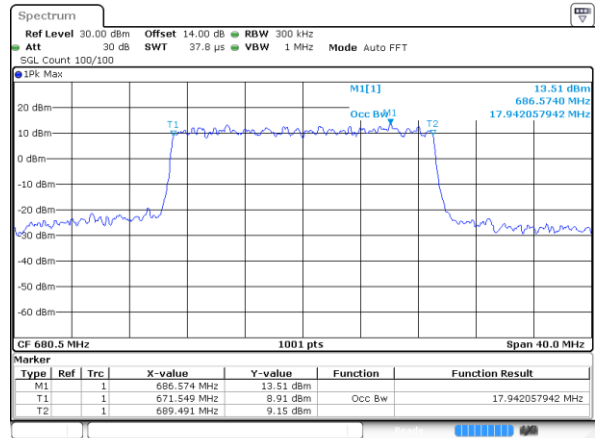
Date: 31 MAR 2024 10:49:26

Middle Channel / 20MHz / QPSK



Date: 31 MAR 2024 11:04:01

Middle Channel / 20MHz / 16QAM



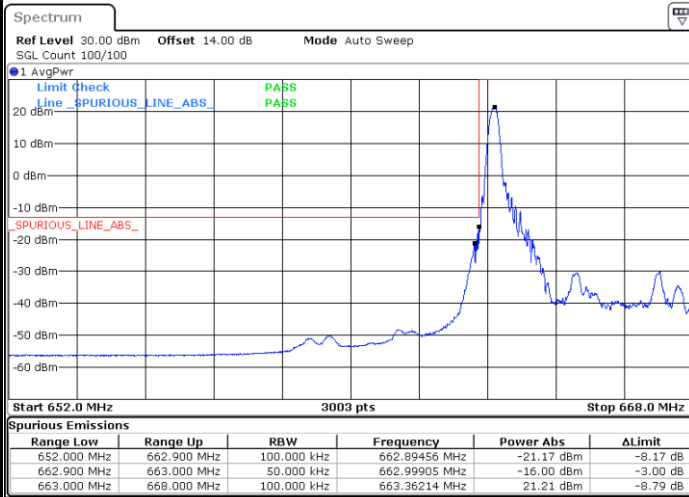
Date: 31 MAR 2024 11:04:41



Conducted Band Edge

LTE Band 71 / 5MHz / QPSK

Lowest Band Edge / 1 RB



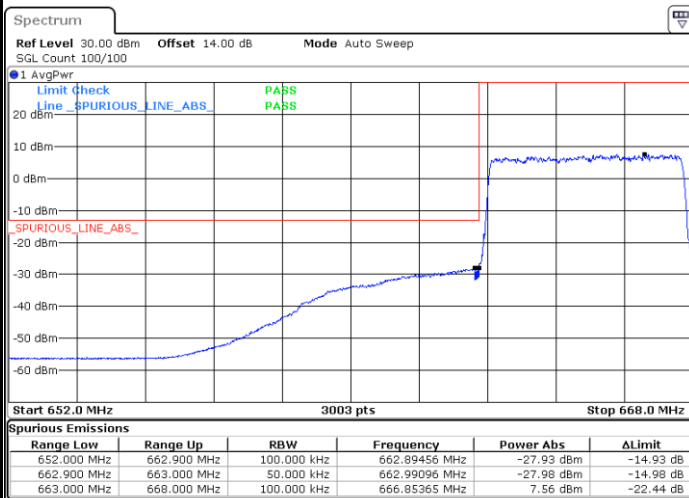
Date: 31.MAR.2024 10:12:57

Highest Band Edge / 1 RB



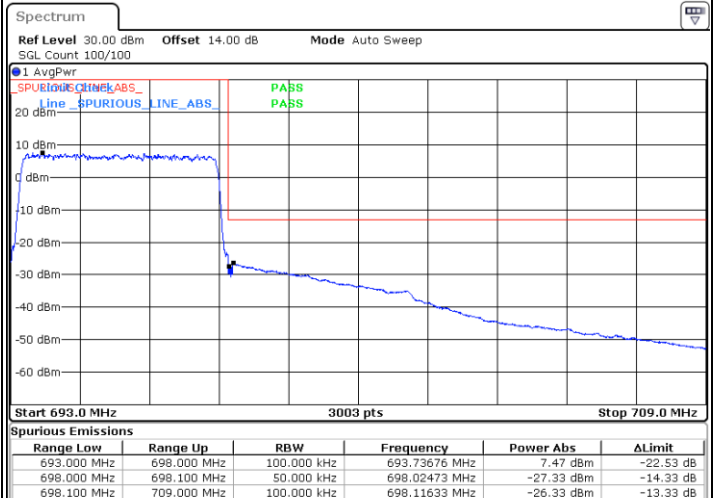
Date: 31.MAR.2024 10:20:50

Lowest Band Edge / Full RB



Date: 31.MAR.2024 10:15:29

Highest Band Edge / Full RB

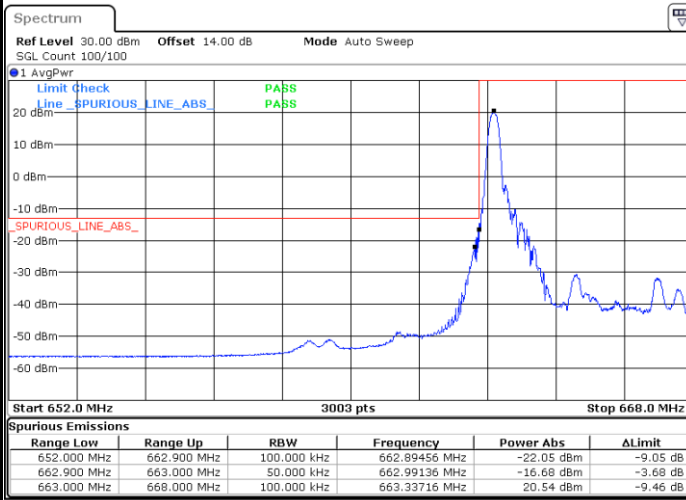


Date: 31.MAR.2024 10:23:23



LTE Band 71 / 5MHz / 16QAM

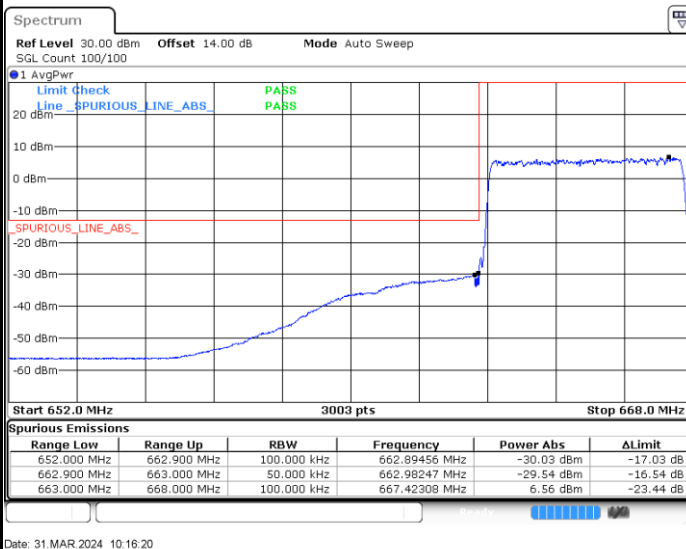
Lowest Band Edge / 1RB



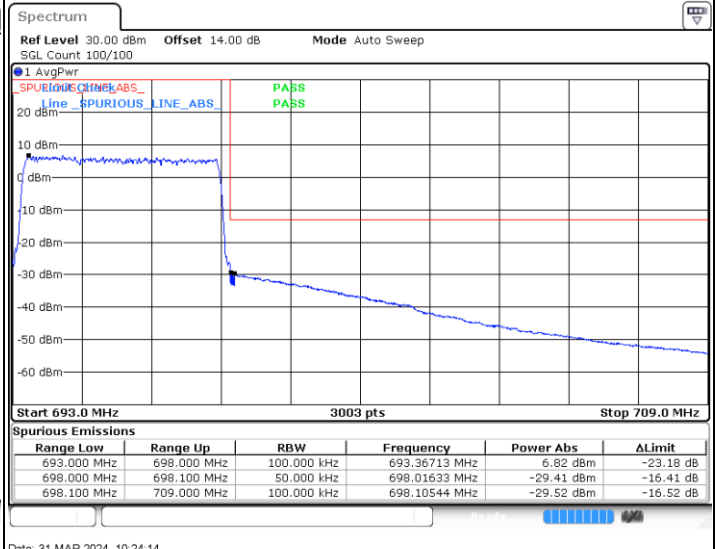
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



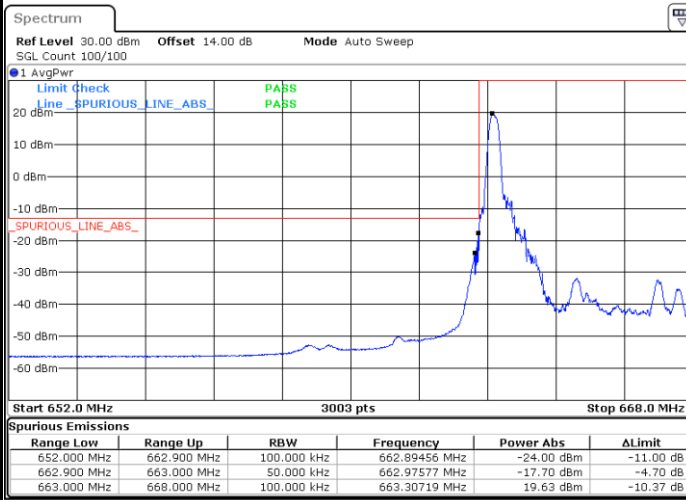
Highest Band Edge / Full RB





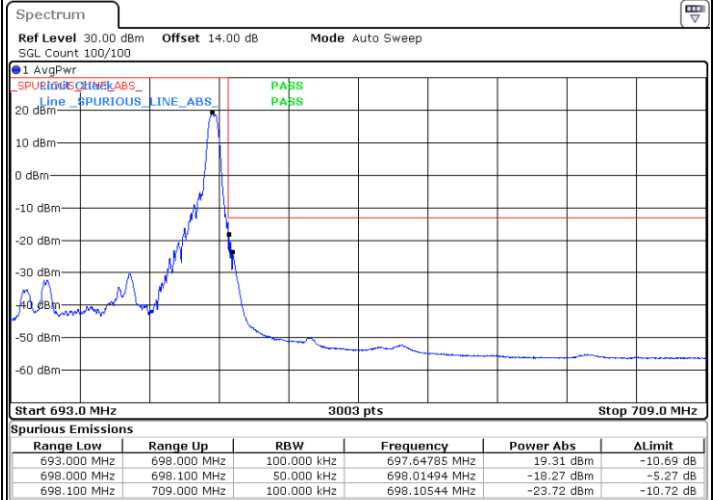
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



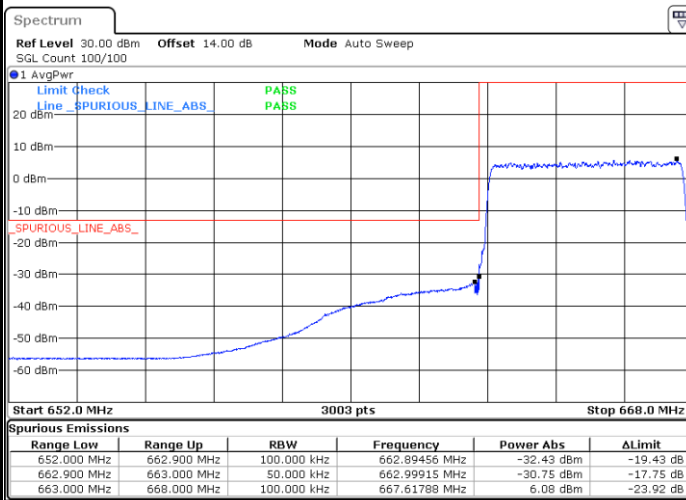
Date: 31.MAR.2024 10:14:38

Highest Band Edge / 1 RB



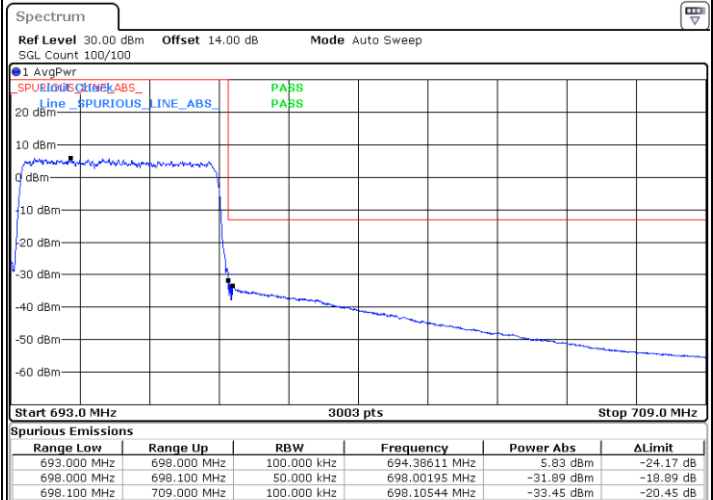
Date: 31.MAR.2024 10:22:32

Lowest Band Edge / Full RB



Date: 31.MAR.2024 10:17:11

Highest Band Edge / Full RB

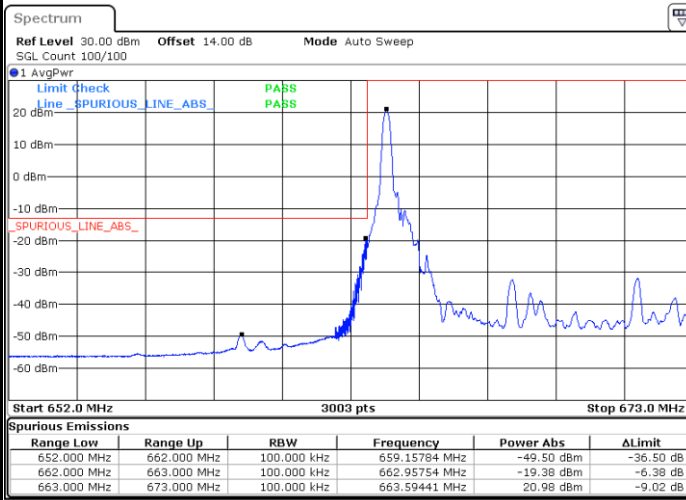


Date: 31.MAR.2024 10:25:05

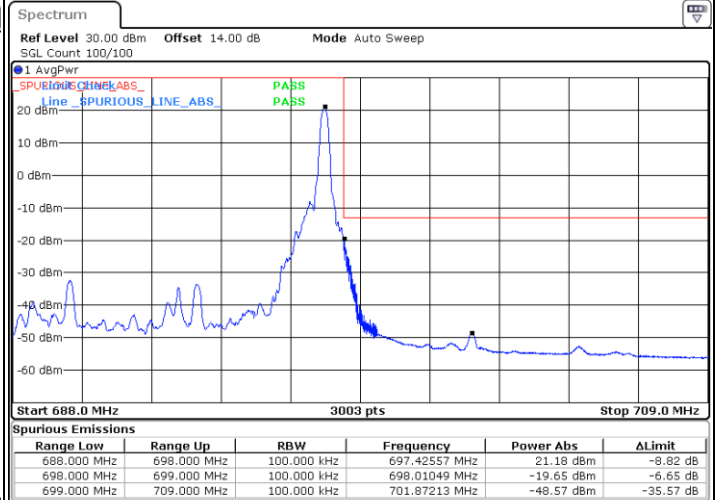


LTE Band 71 / 10MHz / QPSK

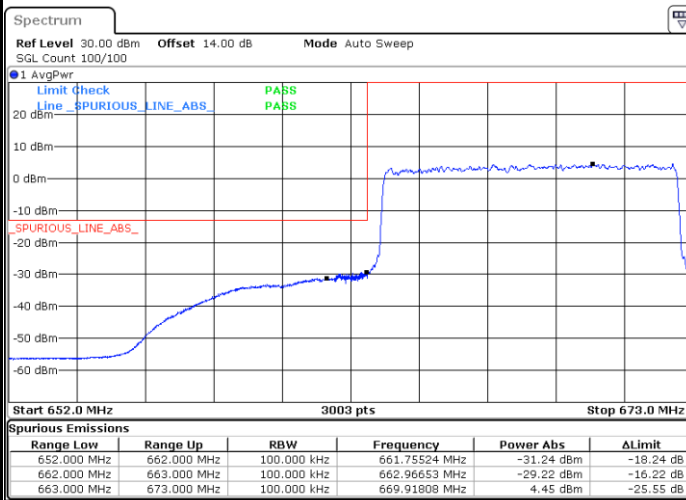
Lowest Band Edge / 1 RB



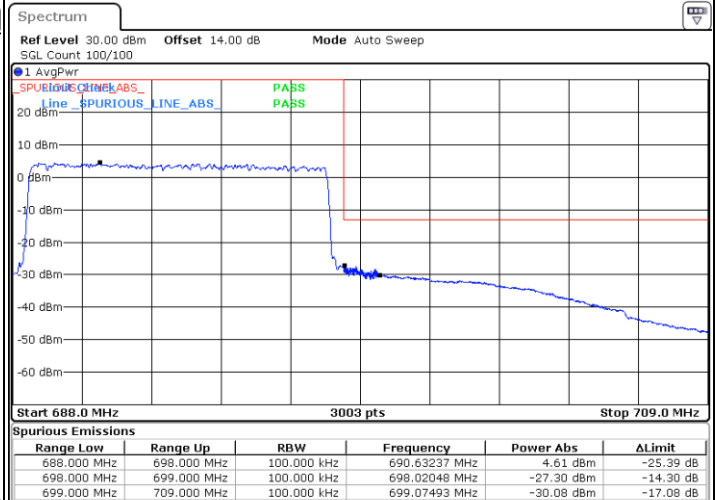
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



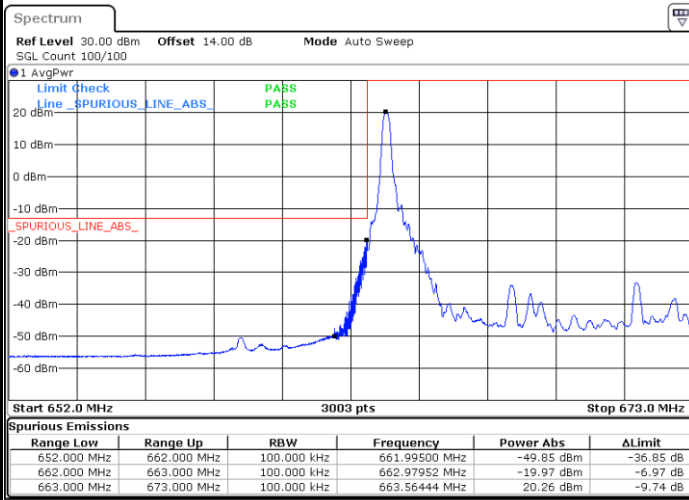
Highest Band Edge / Full RB



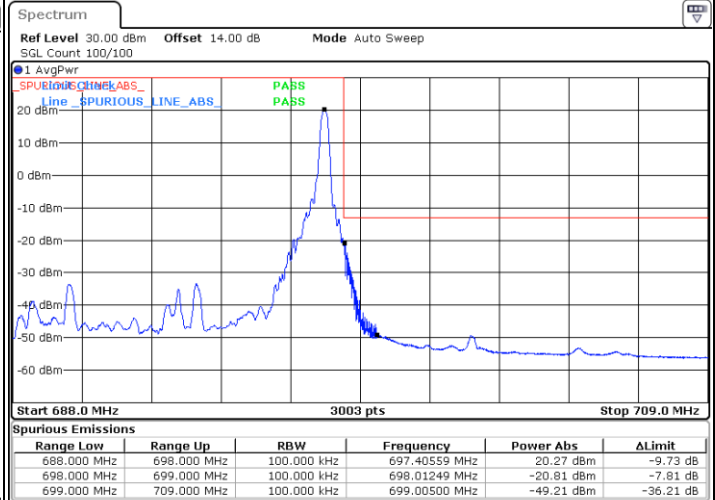


LTE Band 71 / 10MHz / 16QAM

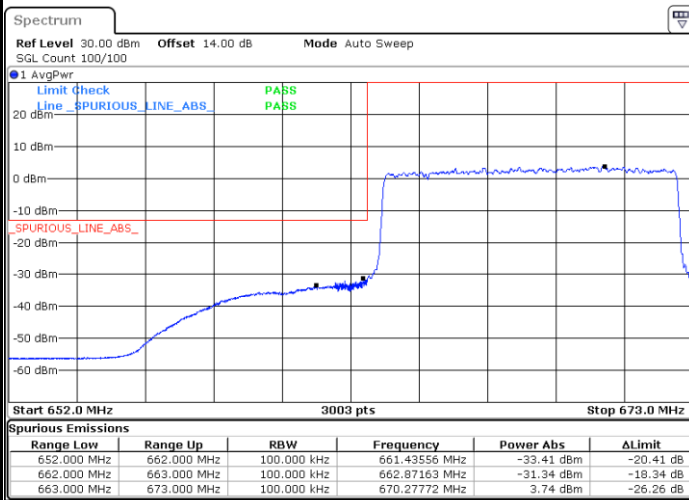
Lowest Band Edge / 1RB



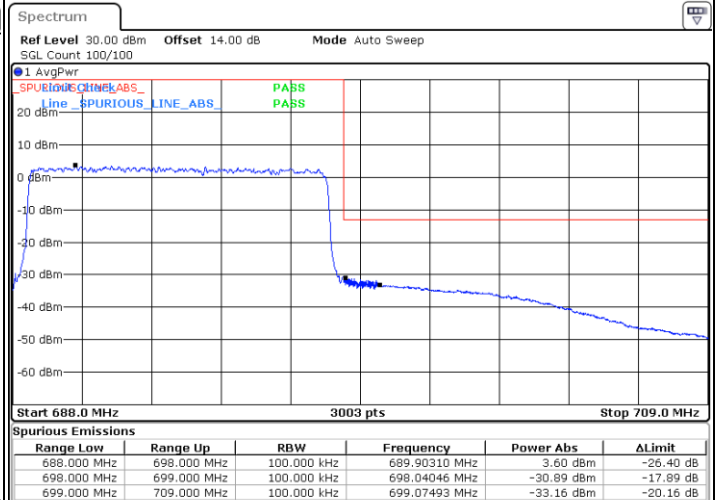
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



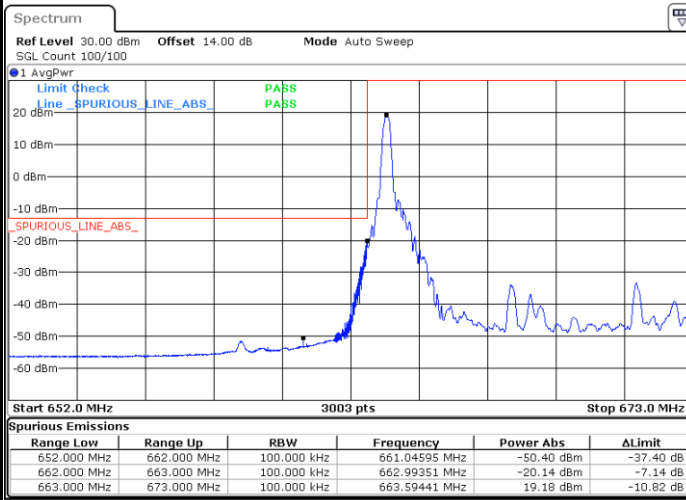
Highest Band Edge / Full RB





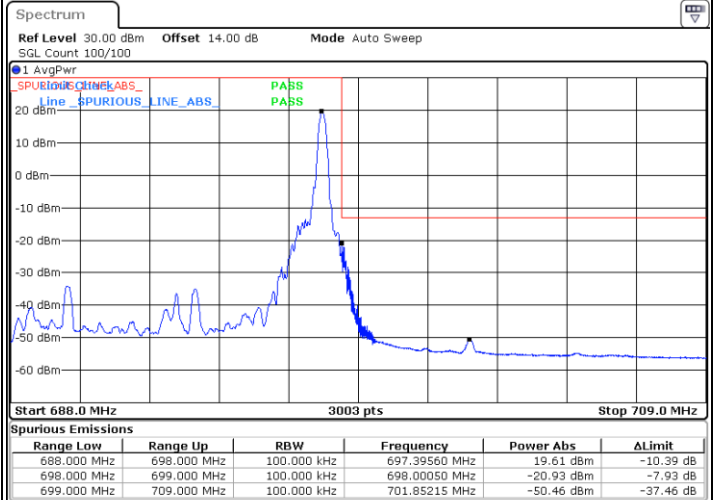
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1RB



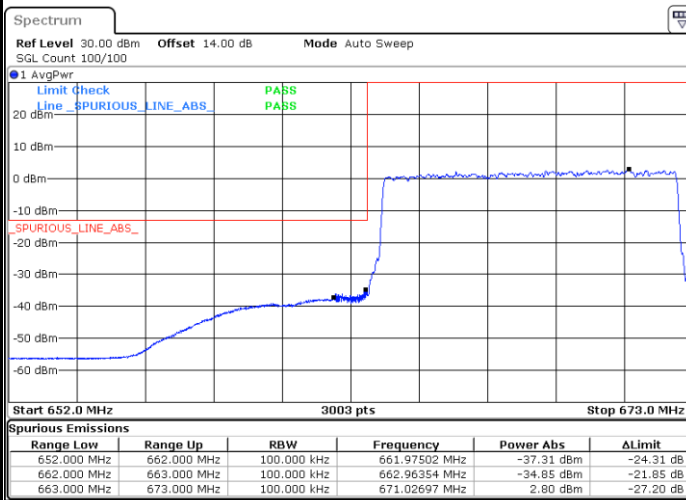
Date: 31.MAR.2024 10:29:05

Highest Band Edge / 1 RB



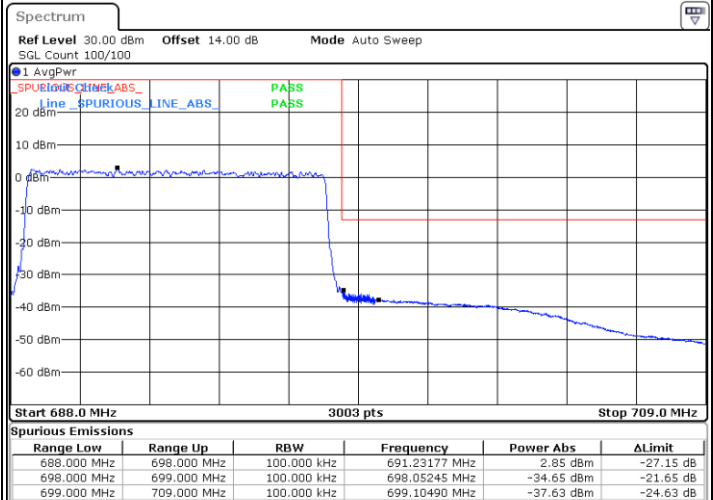
Date: 31.MAR.2024 10:36:57

Lowest Band Edge / Full RB



Date: 31.MAR.2024 10:31:37

Highest Band Edge / Full RB

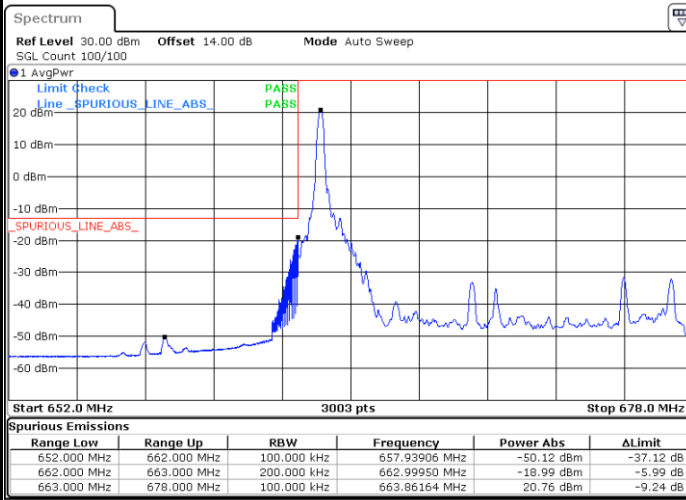


Date: 31.MAR.2024 10:39:29

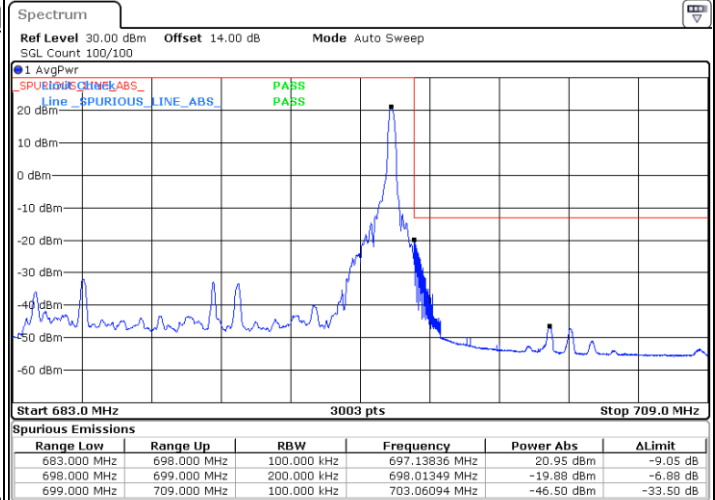


LTE Band 71 / 15MHz / QPSK

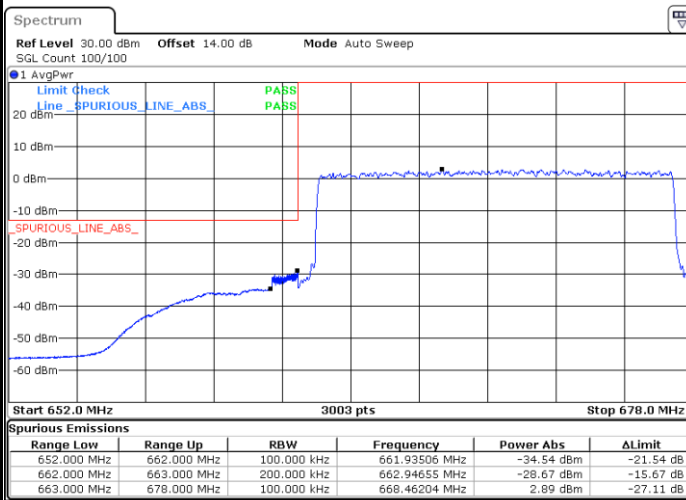
Lowest Band Edge / 1 RB



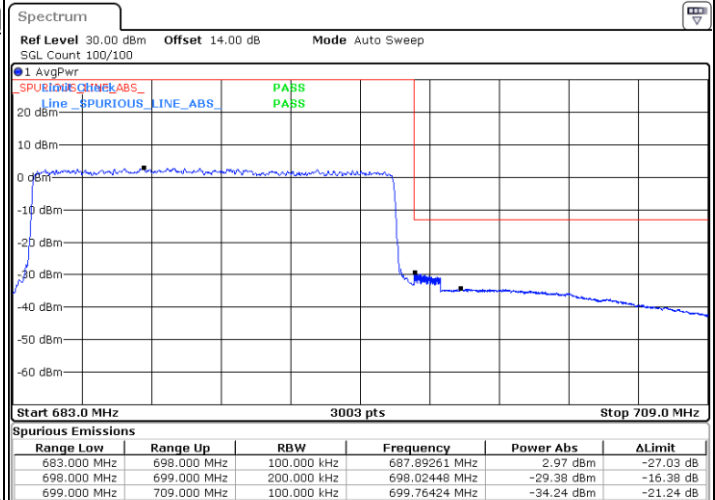
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



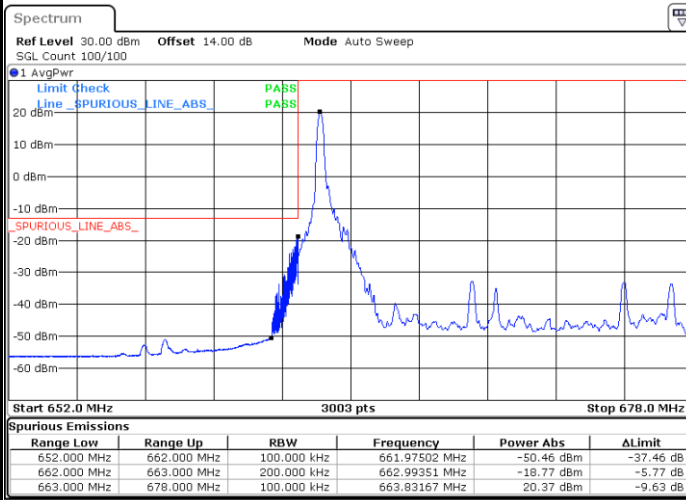
Highest Band Edge / Full RB



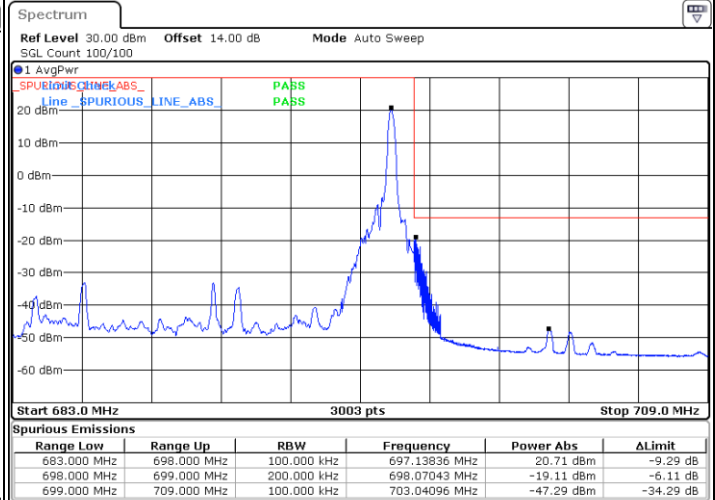


LTE Band 71 / 15MHz / 16QAM

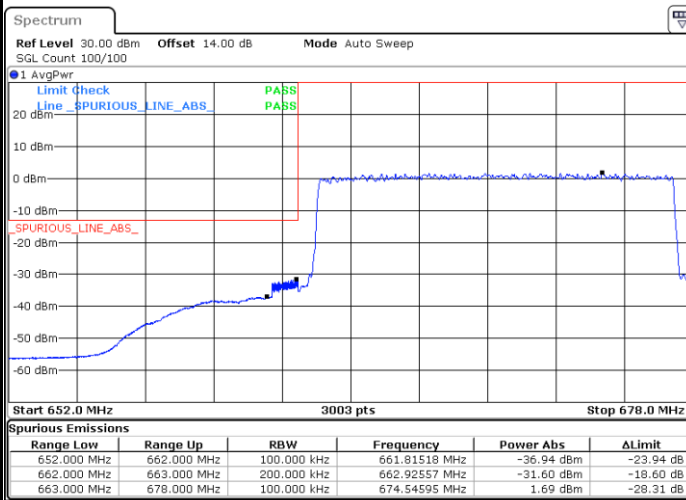
Lowest Band Edge / 1RB



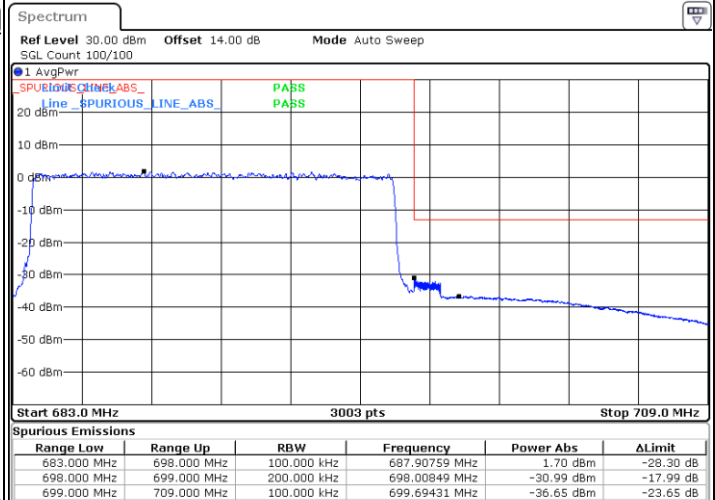
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



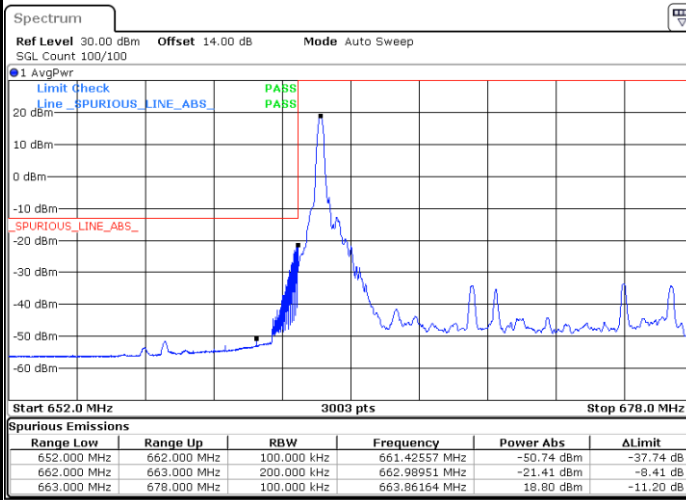
Highest Band Edge / Full RB



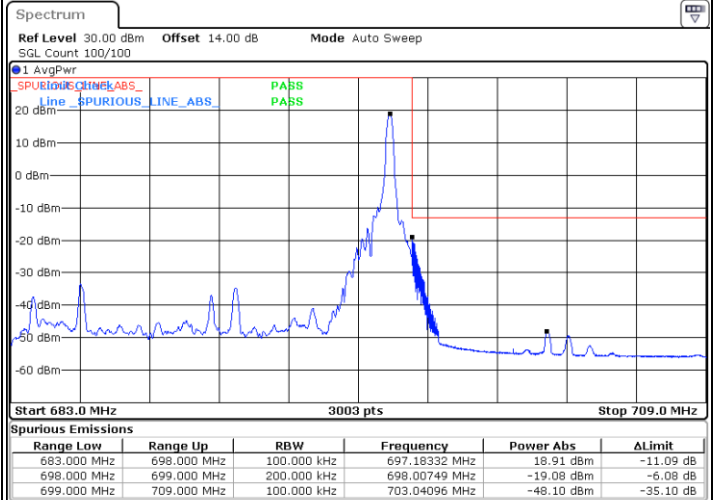


LTE Band 71 / 15MHz / 64QAM

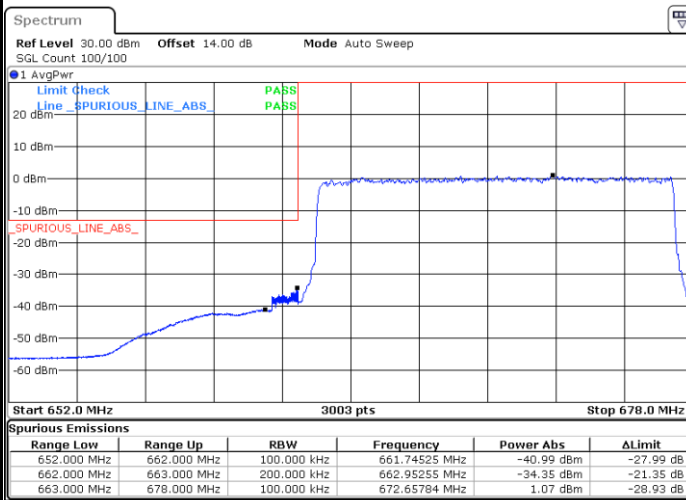
Lowest Band Edge / 1RB



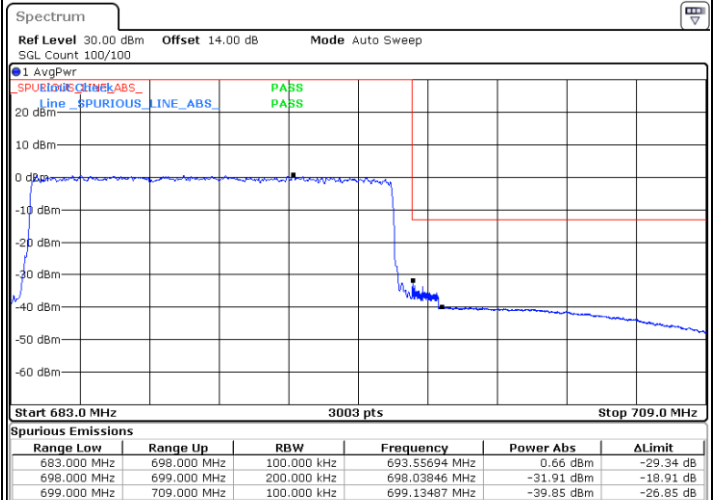
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



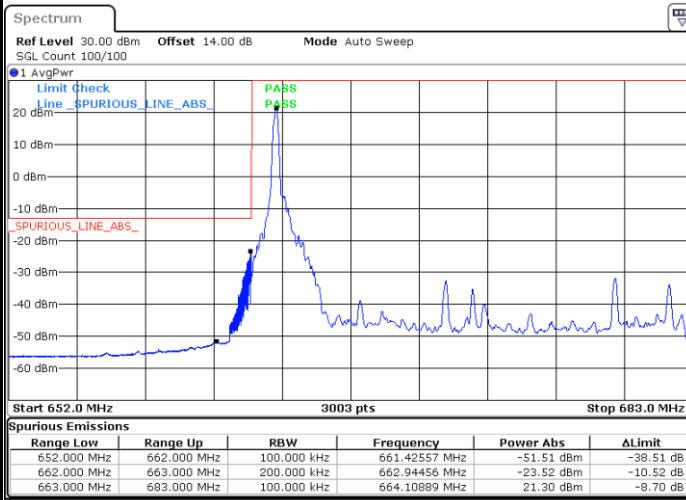
Highest Band Edge / Full RB



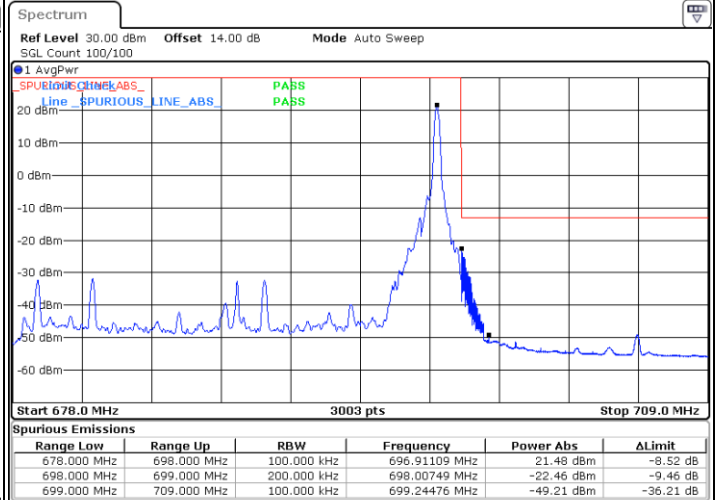


LTE Band 71 / 20MHz / QPSK

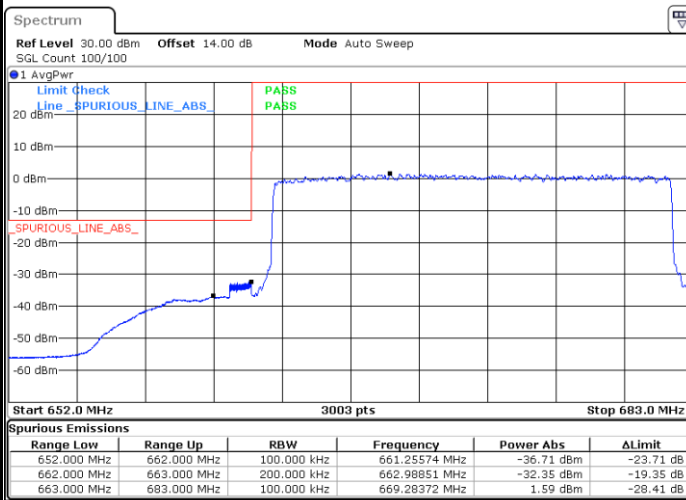
Lowest Band Edge / 1 RB



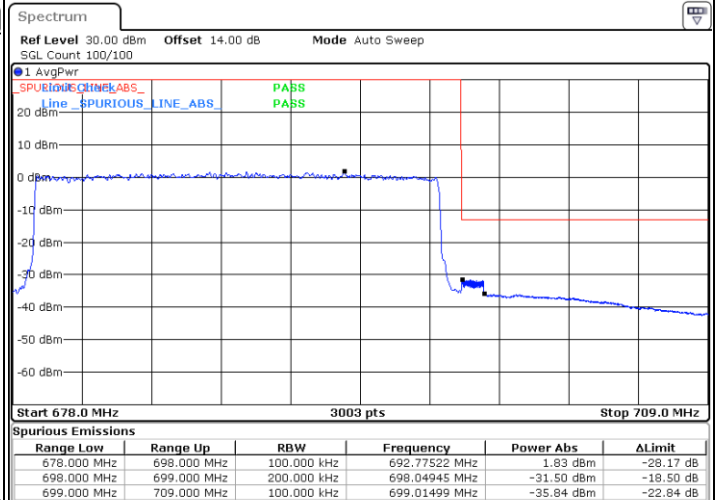
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



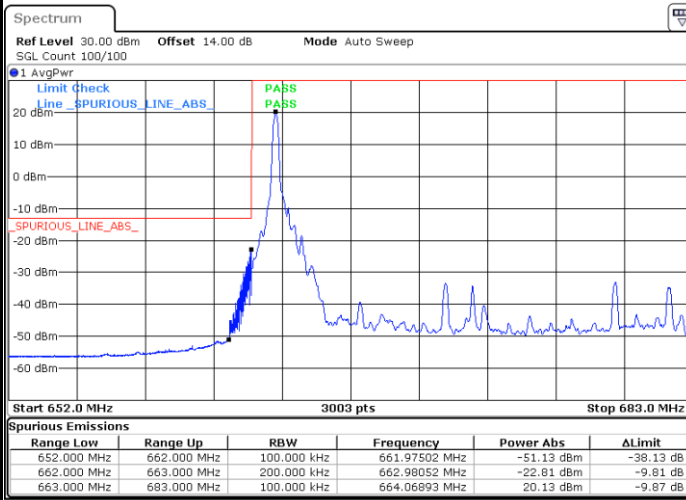
Highest Band Edge / Full RB





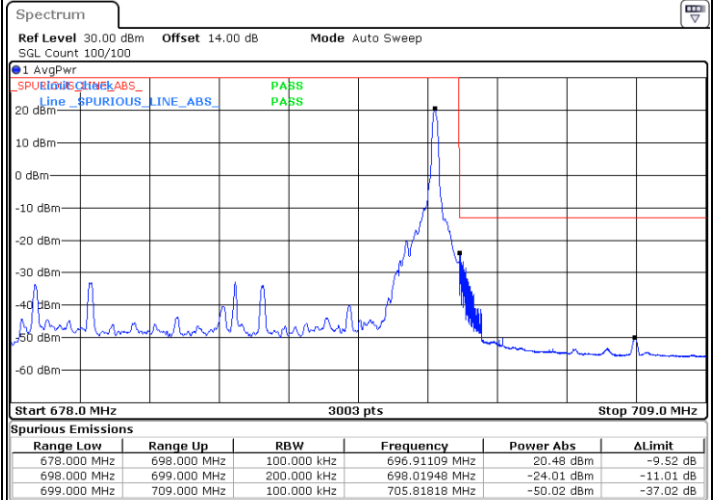
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1RB



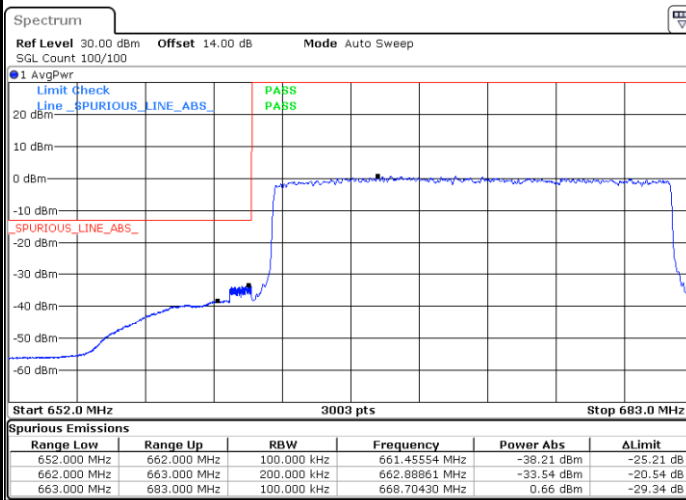
Date: 31.MAR.2024 10:58:43

Highest Band Edge / 1 RB



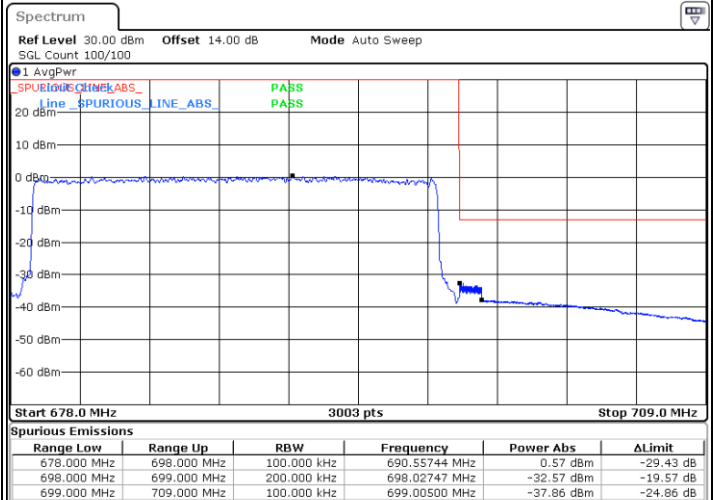
Date: 31.MAR.2024 11:07:56

Lowest Band Edge / Full RB



Date: 31.MAR.2024 11:01:15

Highest Band Edge / Full RB

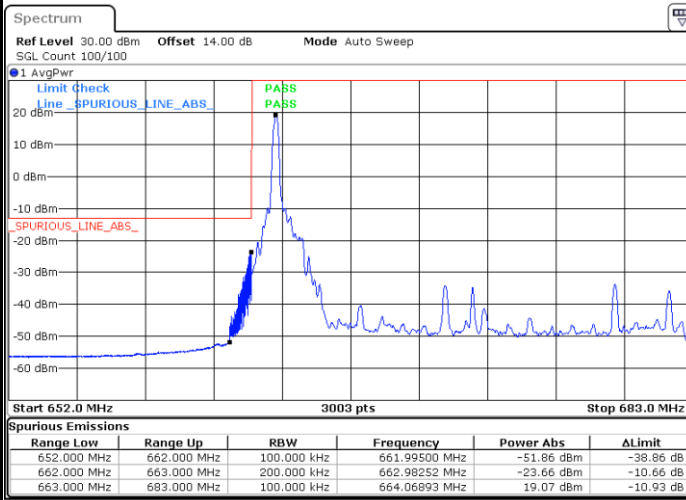


Date: 31.MAR.2024 11:10:28

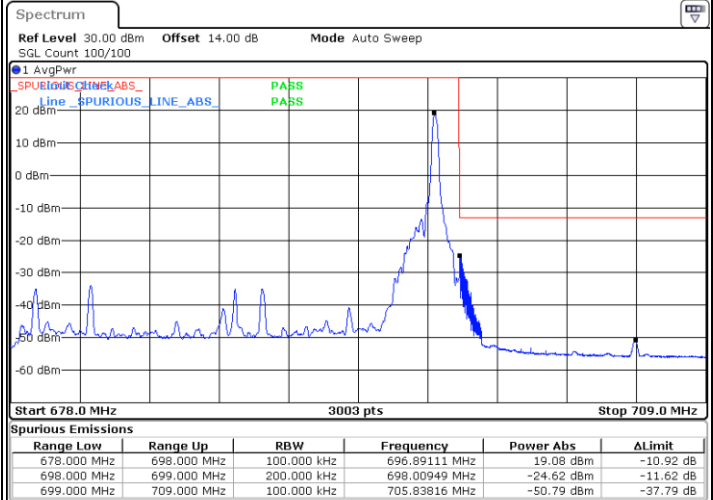


LTE Band 71 / 20MHz / 64QAM

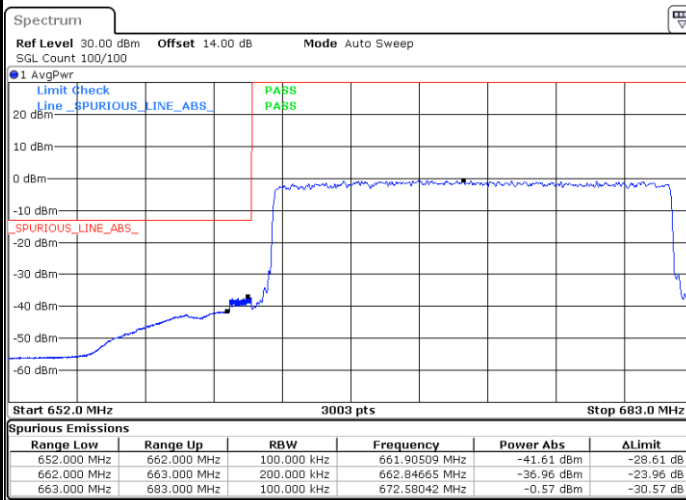
Lowest Band Edge / 1RB



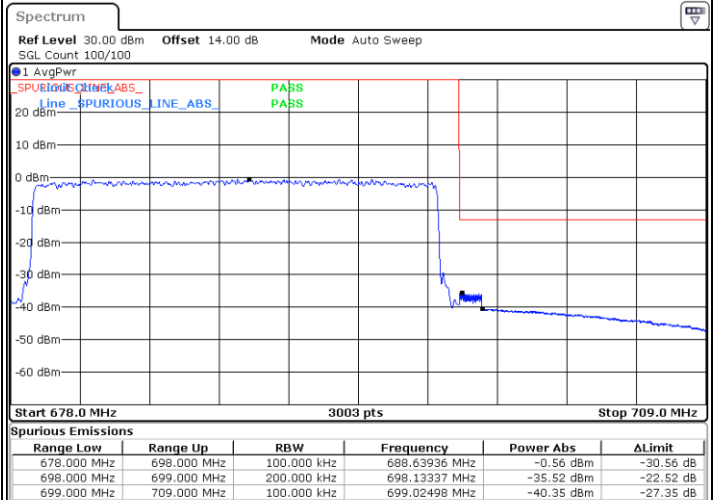
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

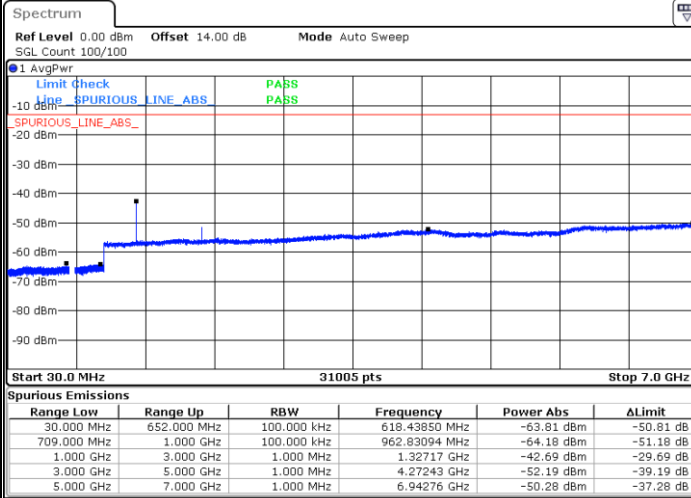




Conducted Spurious Emission

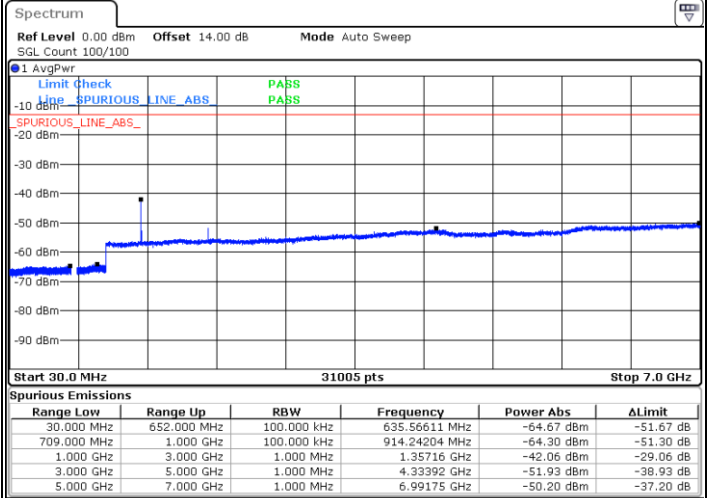
LTE Band 71 / 5MHz

Lowest Channel / QPSK



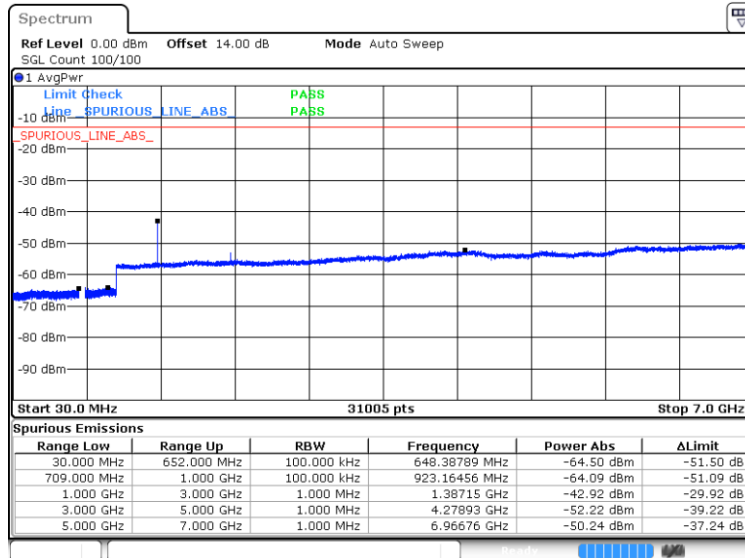
Date: 31.MAR.2024 10:17:57

Middle Channel / QPSK



Date: 31.MAR.2024 10:18:41

Highest Channel / QPSK

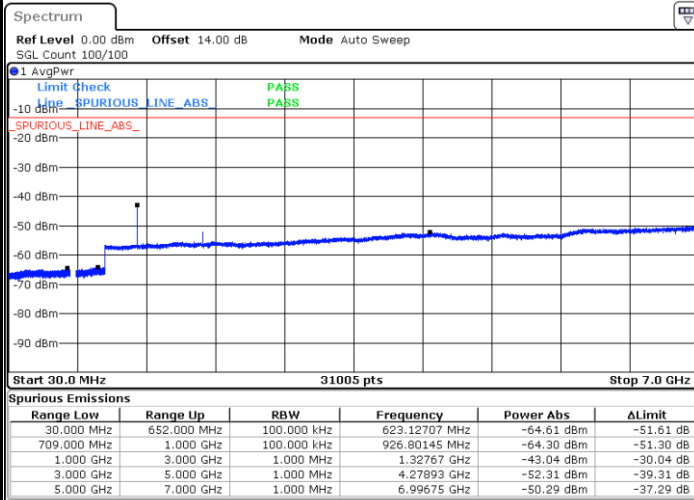


Date: 31.MAR.2024 10:25:50



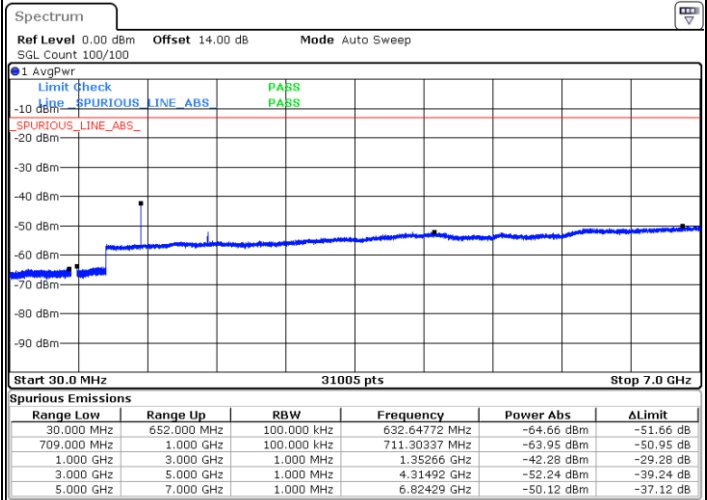
LTE Band 71 / 10MHz

Lowest Channel / QPSK



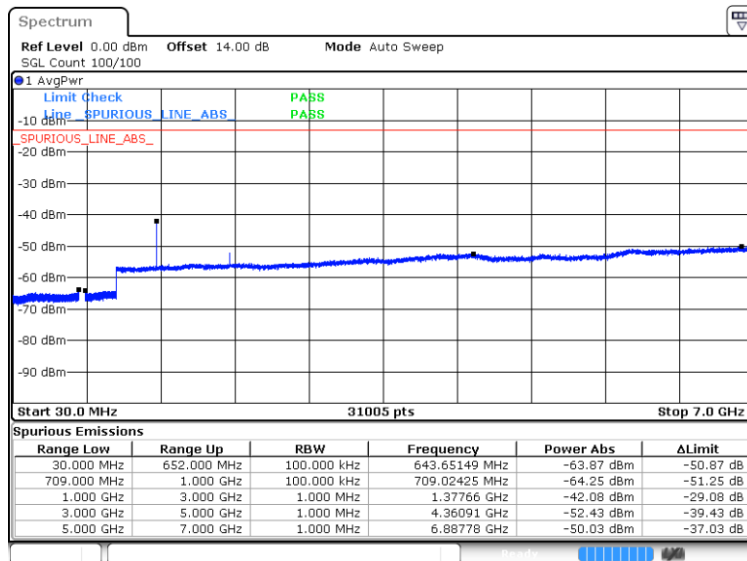
Date: 31.MAR.2024 10:32:22

Middle Channel / QPSK



Date: 31.MAR.2024 10:33:07

Highest Channel / QPSK

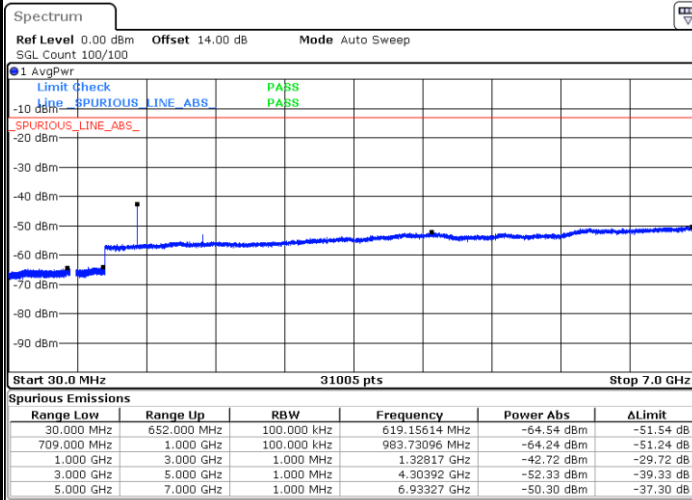


Date: 31.MAR.2024 10:40:14



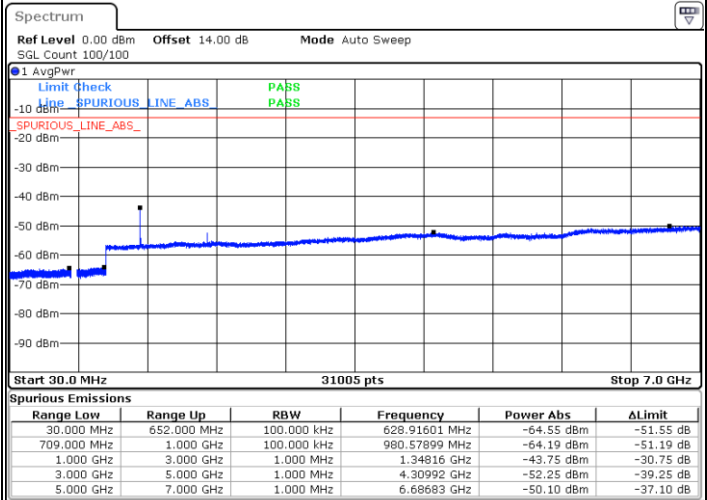
LTE Band 71 / 15MHz

Lowest Channel / QPSK



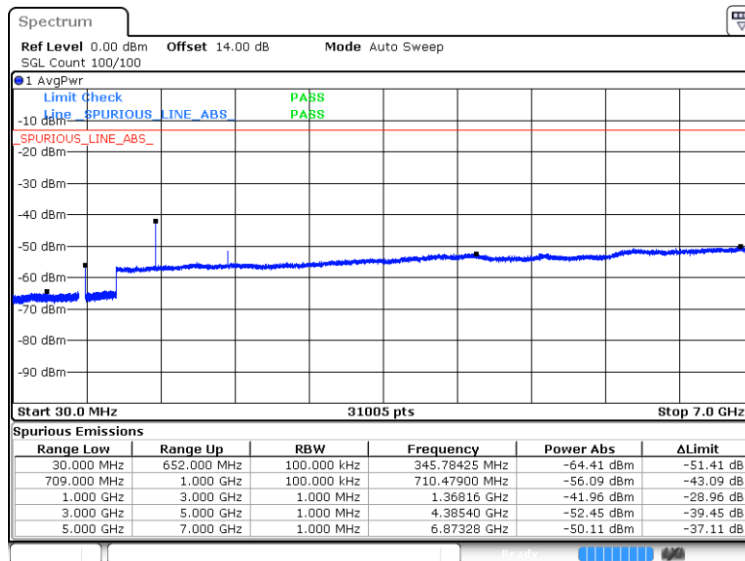
Date: 31.MAR.2024 10:47:36

Middle Channel / QPSK



Date: 31.MAR.2024 10:48:21

Highest Channel / QPSK

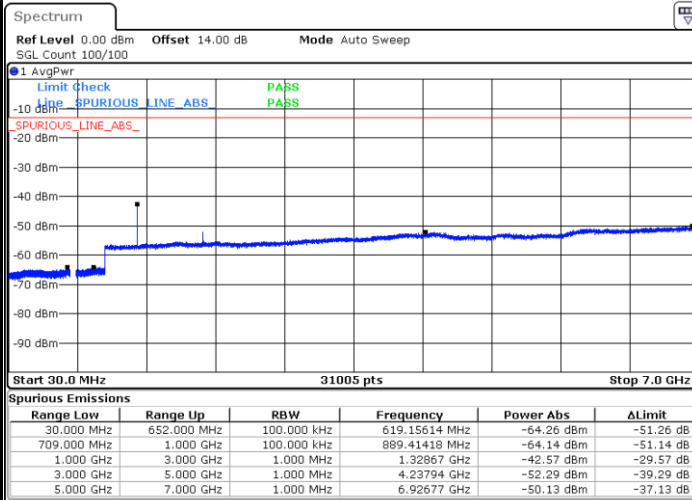


Date: 31.MAR.2024 10:55:29



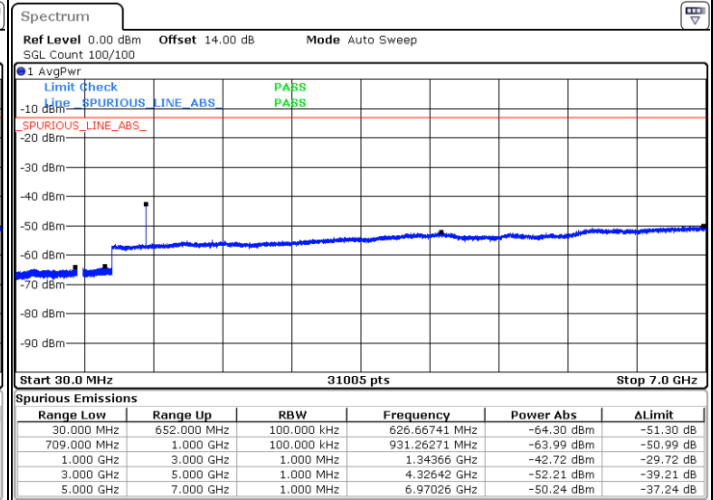
LTE Band 71 / 20MHz

Lowest Channel / QPSK



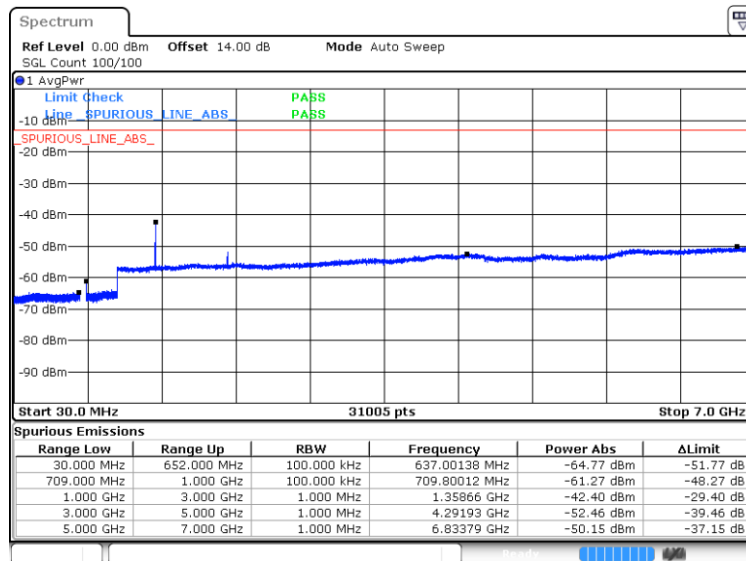
Date: 31.MAR.2024 11:02:51

Middle Channel / QPSK



Date: 31.MAR.2024 11:03:36

Highest Channel / QPSK



Date: 31.MAR.2024 11:12:04

Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0034	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.14 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.03	25.33	30.57	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	35.18	39.80	

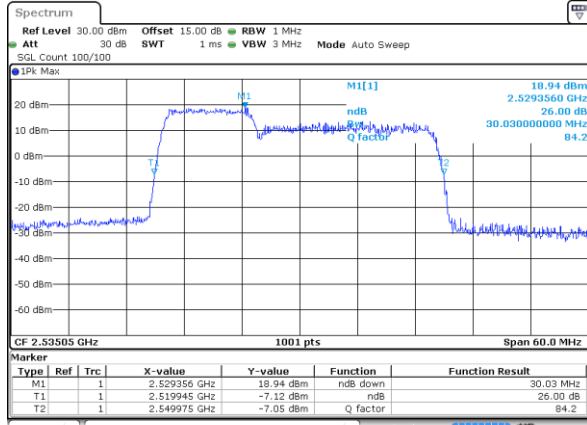
Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.91	25.23	30.39	34.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	34.97	39.88	



LTE Band 7C

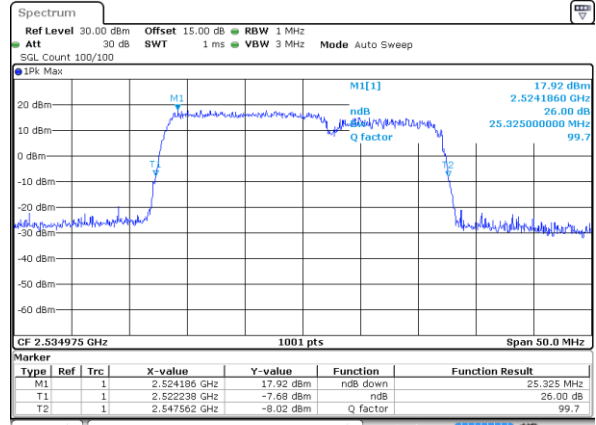
QPSK

Middle Channel / 10MHz+20MHz



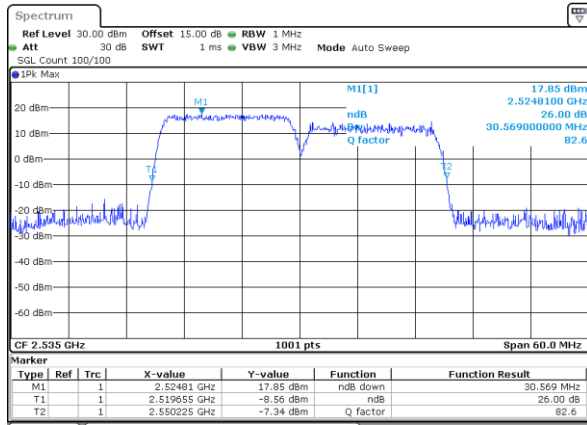
Date: 30 MAR 2024 11:50:59

Middle Channel / 15MHz+10MHz



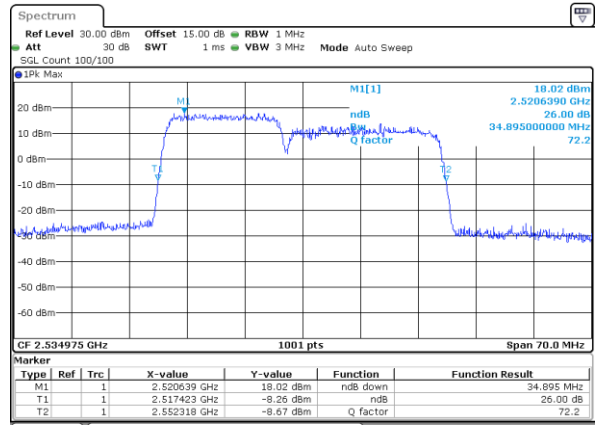
Date: 30 MAR 2024 15:08:17

Middle Channel / 15MHz+15MHz



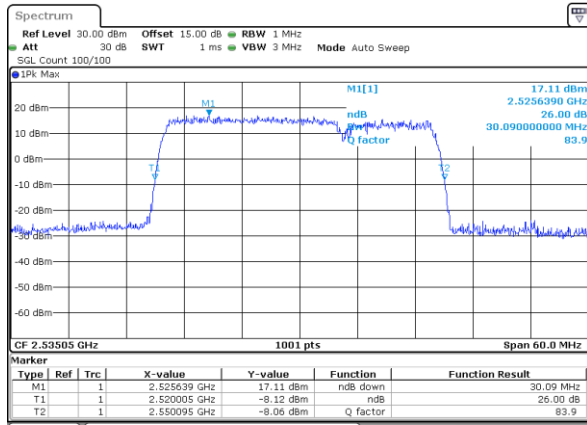
Date: 30 MAR 2024 12:39:03

Middle Channel / 15MHz+20MHz



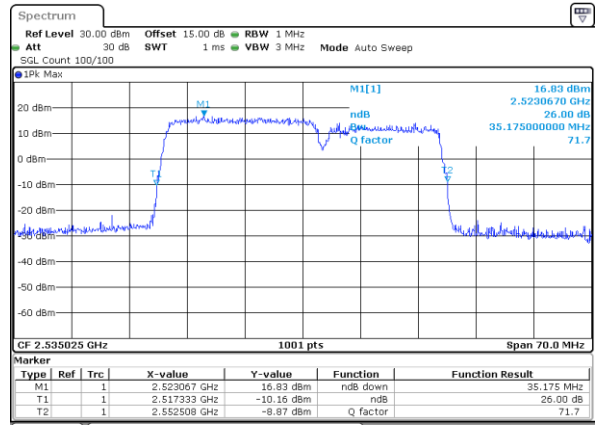
Date: 30 MAR 2024 13:01:52

Middle Channel / 20MHz+10MHz



Date: 30 MAR 2024 12:17:03

Middle Channel / 20MHz+15MHz



Date: 30 MAR 2024 13:25:29

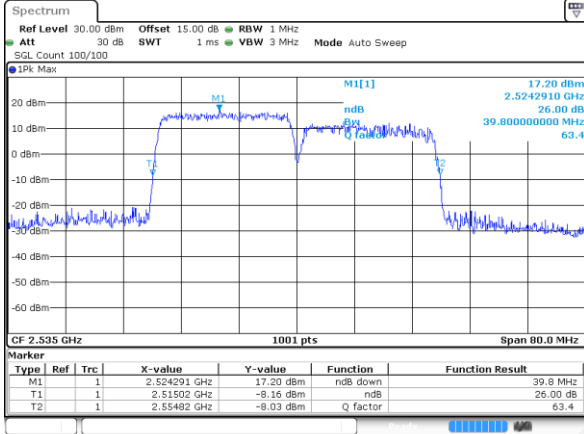


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



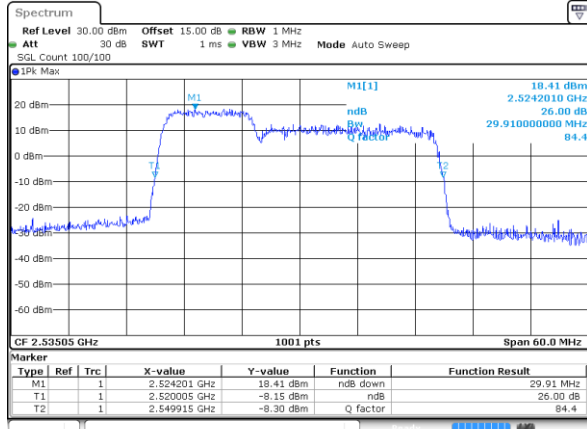
Date: 30 MAR 2024 13:48:13



LTE Band 7C

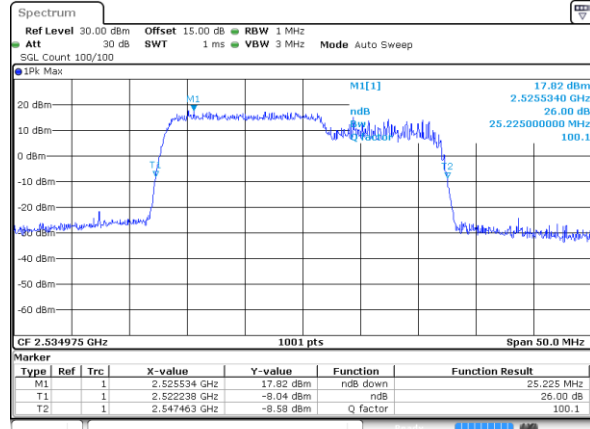
16QAM

Middle Channel / 10MHz+20MHz



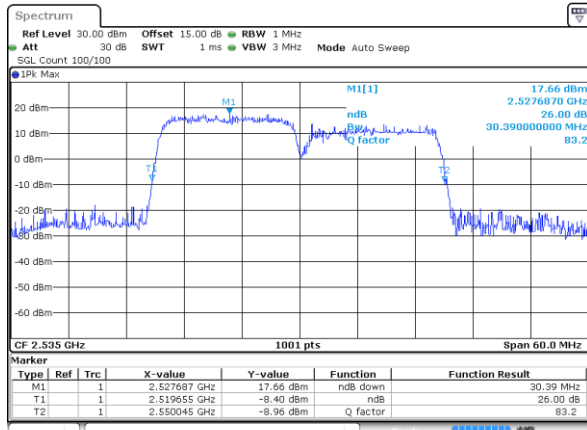
Date: 30 MAR 2024 11:51:33

Middle Channel / 15MHz+10MHz



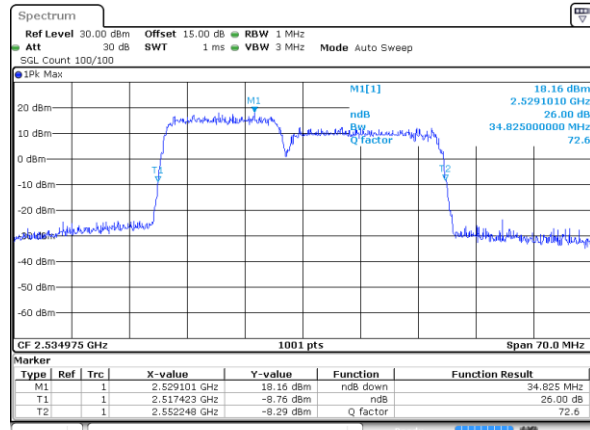
Date: 30 MAR 2024 15:08:50

Middle Channel / 15MHz+15MHz



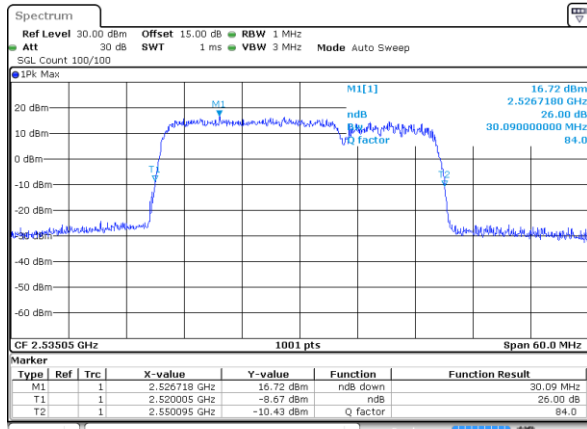
Date: 30 MAR 2024 12:39:36

Middle Channel / 15MHz+20MHz



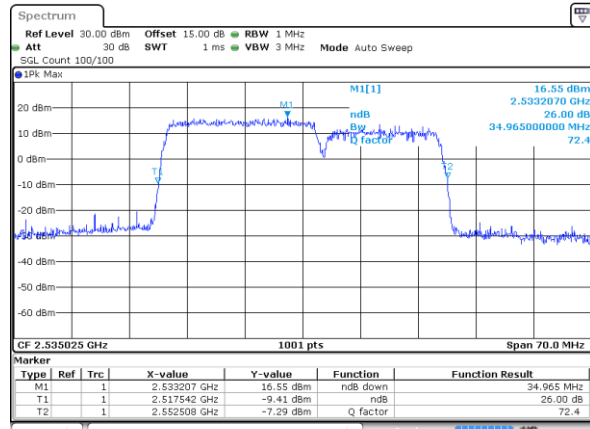
Date: 30 MAR 2024 13:02:27

Middle Channel / 20MHz+10MHz



Date: 30 MAR 2024 12:17:37

Middle Channel / 20MHz+15MHz



Date: 30 MAR 2024 13:26:04

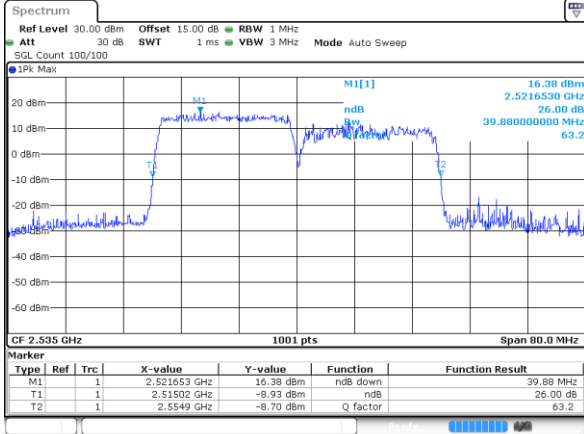


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 30 MAR 2024 13:48:46

**Occupied Bandwidth**

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.87	23.38	28.47	32.66
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.93	32.80	37.64	

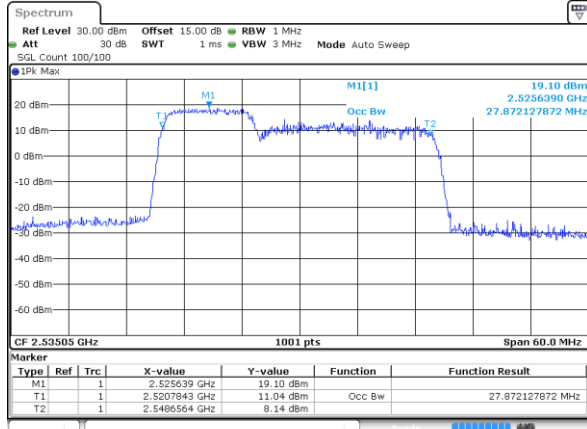
Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.87	23.38	28.47	32.80
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.87	32.66	37.56	



LTE Band 7C

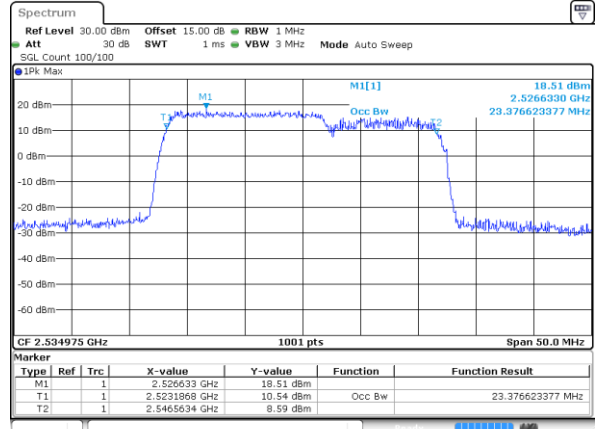
QPSK

Middle Channel / 10MHz+20MHz



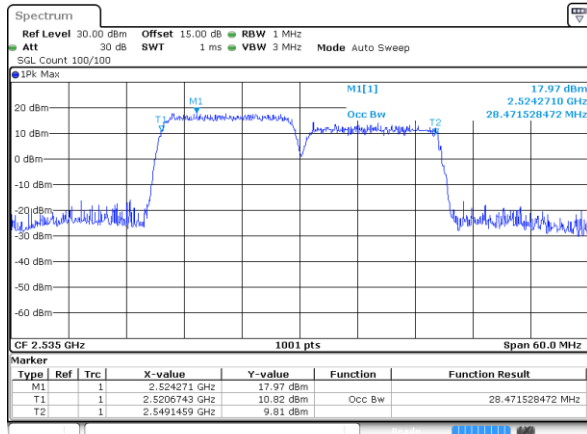
Date: 30 MAR 2024 11:50:24

Middle Channel / 15MHz+10MHz



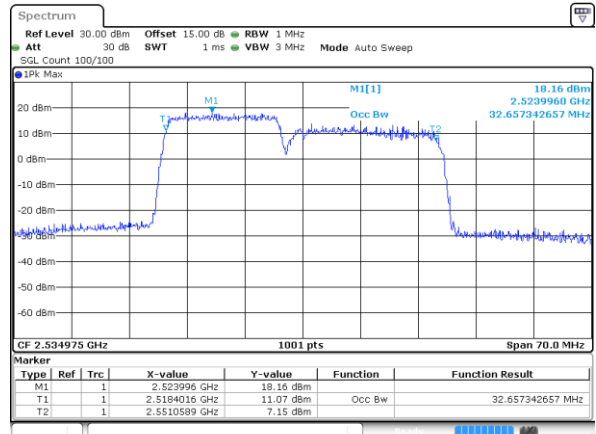
Date: 30 MAR 2024 15:07:44

Middle Channel / 15MHz+15MHz



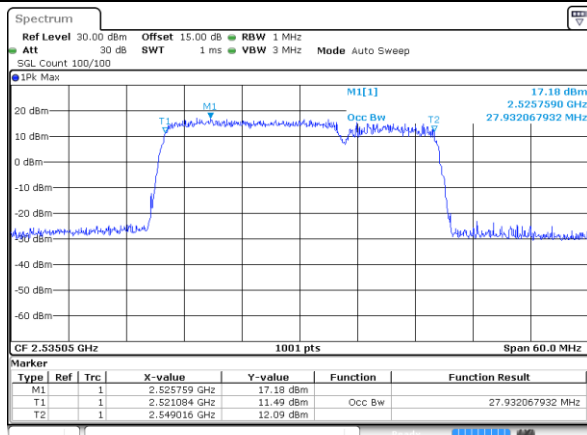
Date: 30 MAR 2024 12:38:31

Middle Channel / 15MHz+20MHz



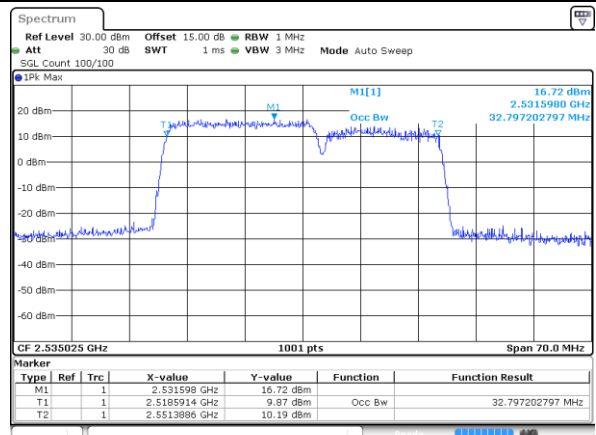
Date: 30 MAR 2024 13:01:18

Middle Channel / 20MHz+10MHz



Date: 30 MAR 2024 12:16:28

Middle Channel / 20MHz+15MHz



Date: 30 MAR 2024 13:24:55

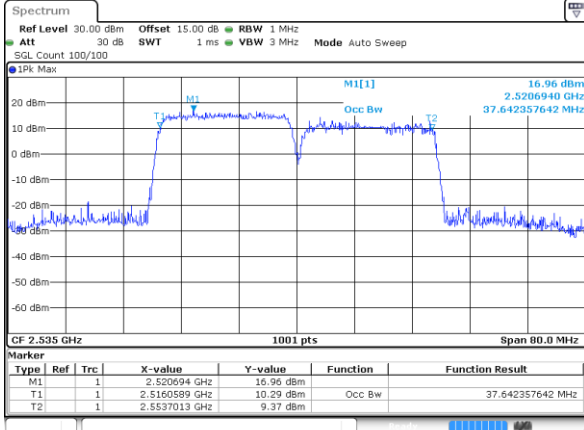


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



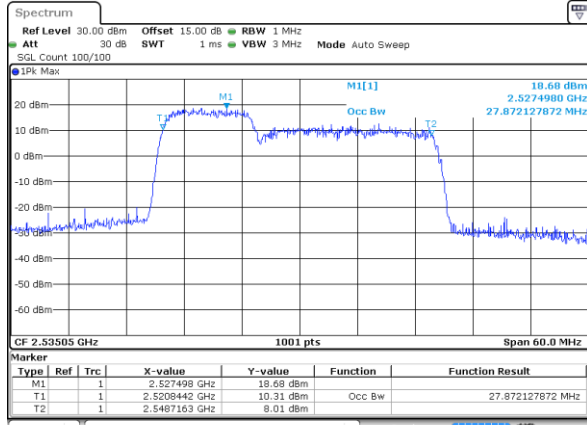
Date: 30 MAR 2024 13:47:41



LTE Band 7C

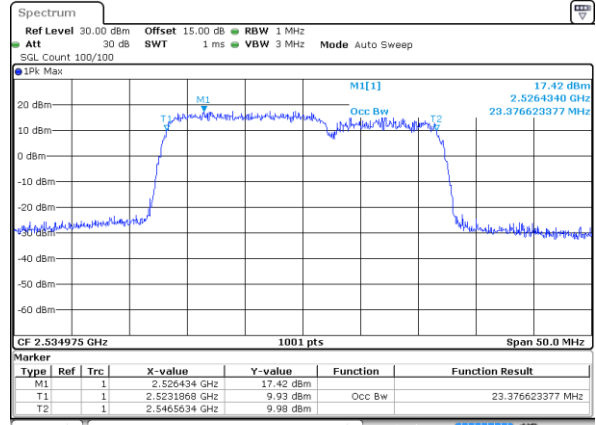
16QAM

Middle Channel / 10MHz+20MHz



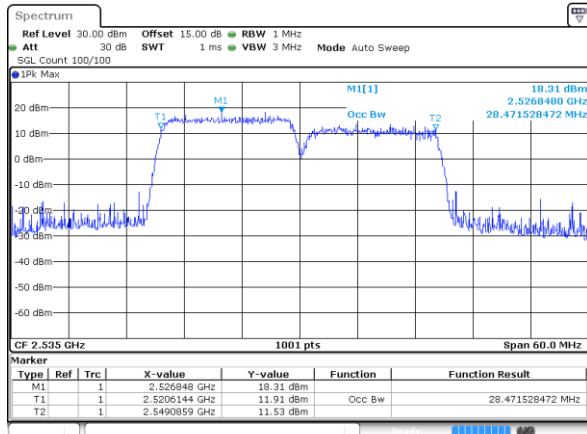
Date: 30 MAR 2024 11:52:07

Middle Channel / 15MHz+10MHz



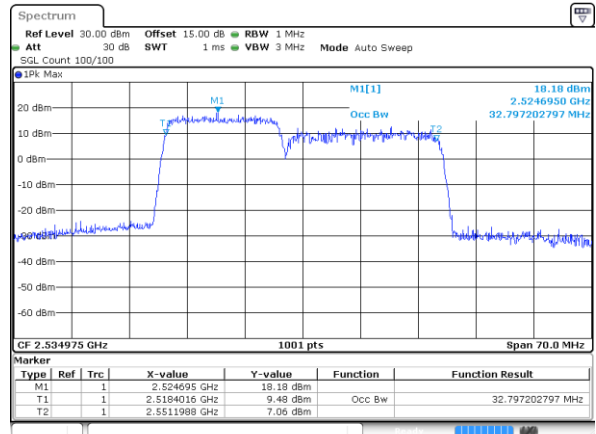
Date: 30 MAR 2024 15:09:24

Middle Channel / 15MHz+15MHz



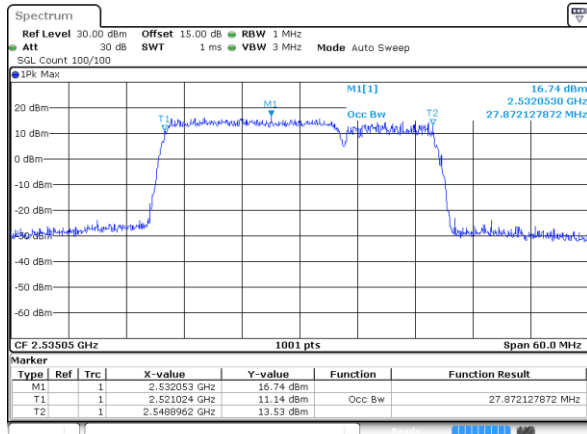
Date: 30 MAR 2024 12:40:08

Middle Channel / 15MHz+20MHz



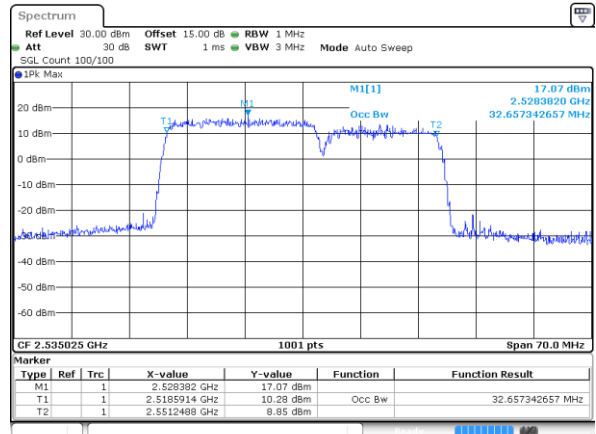
Date: 30 MAR 2024 13:03:01

Middle Channel / 20MHz+10MHz



Date: 30 MAR 2024 12:18:11

Middle Channel / 20MHz+15MHz



Date: 30 MAR 2024 13:28:38

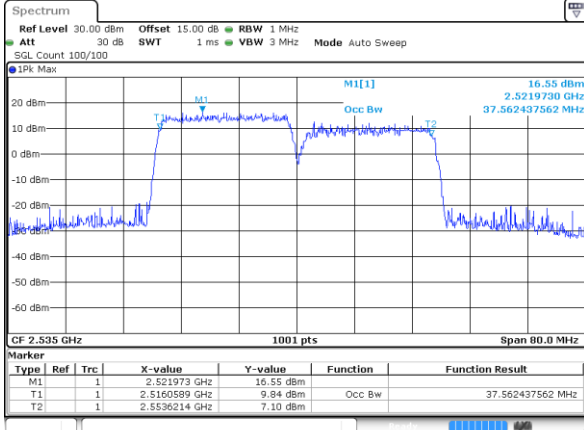


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 30 MAR 2024 13:49:18