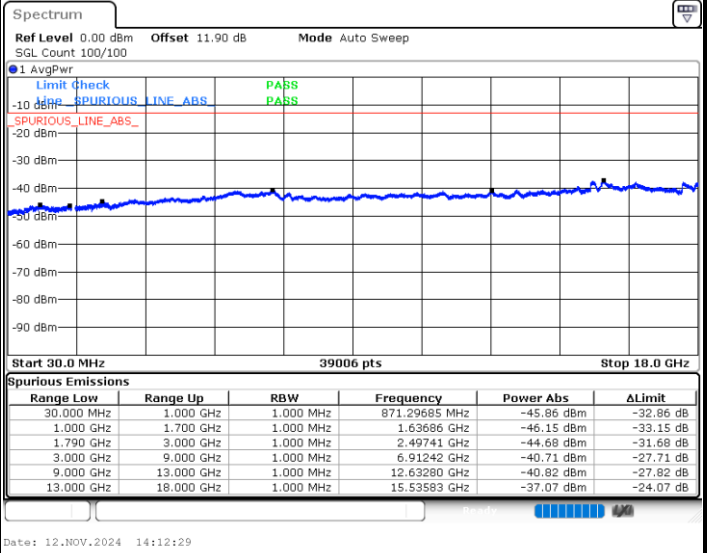
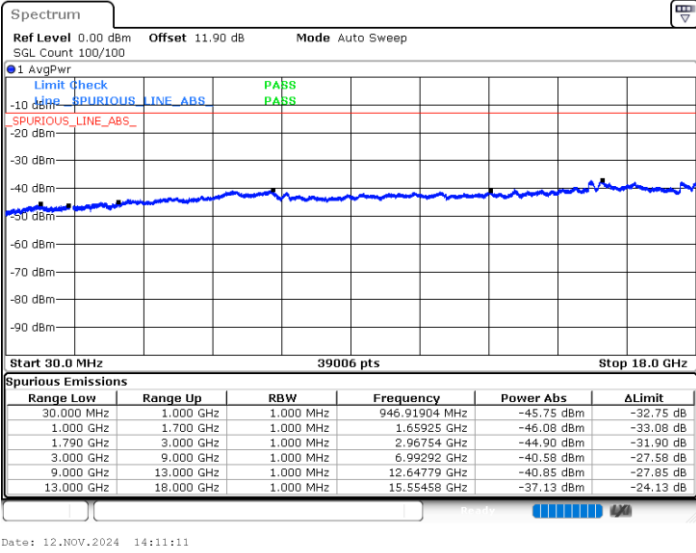




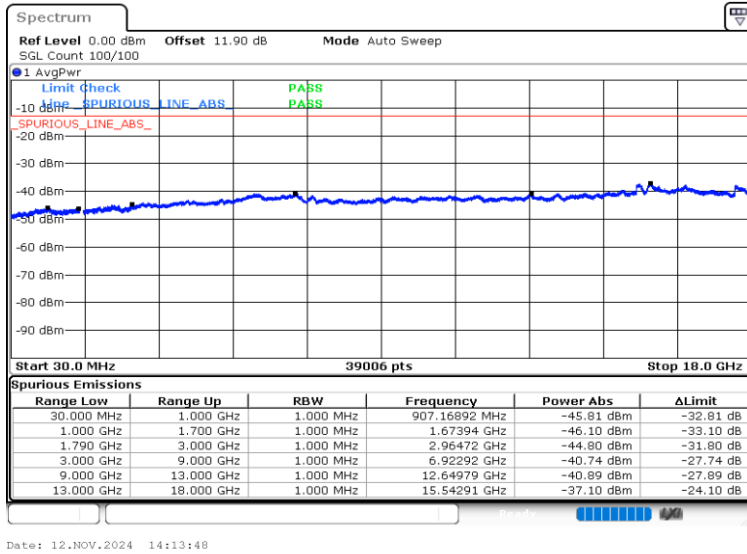
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0080	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0069	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0081	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0046	

Note:

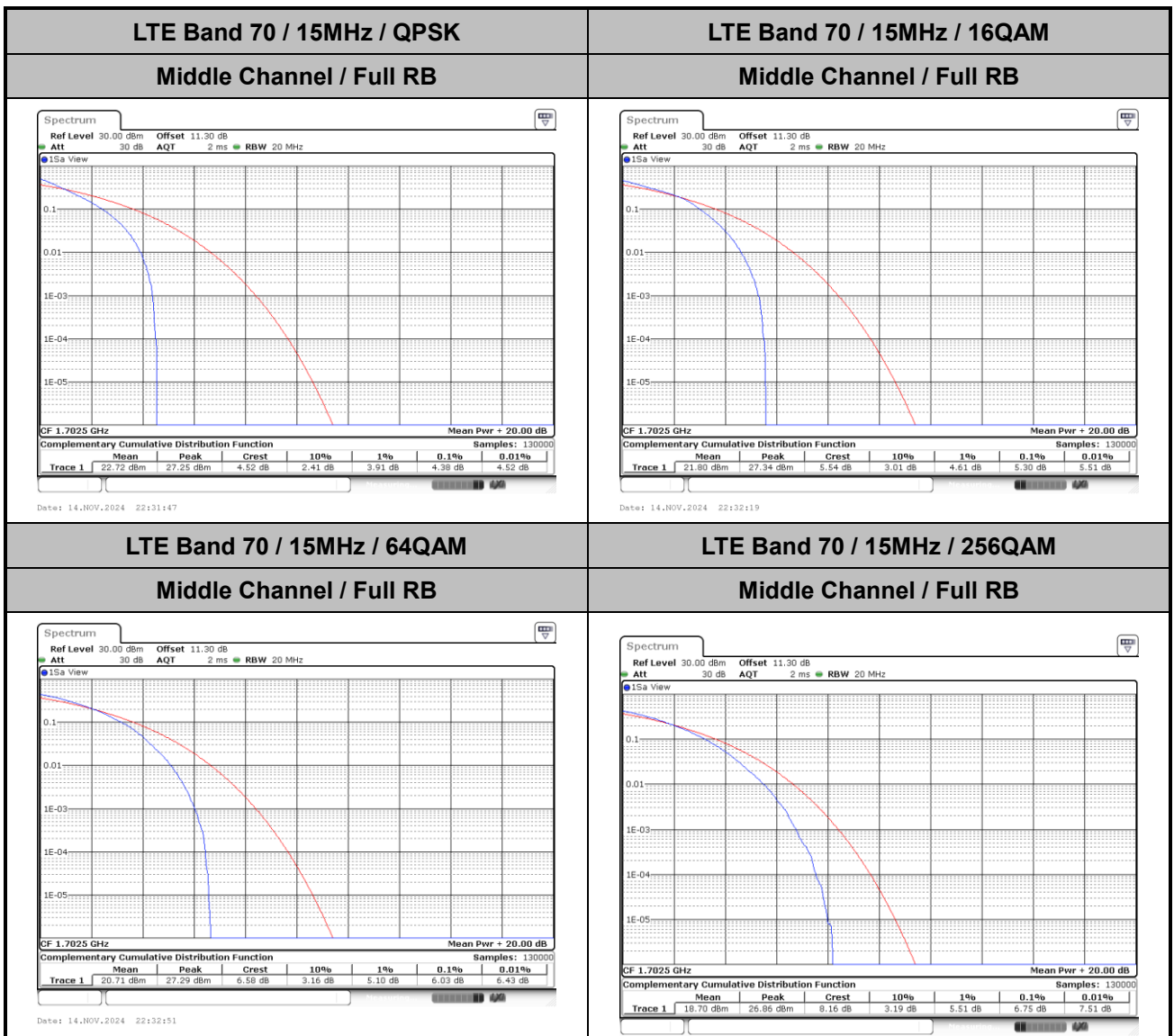
- 1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 3.465 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 70

Peak-to-Average Ratio

Mode	LTE Band 70 / 15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.38	5.30	6.03	6.75	PASS





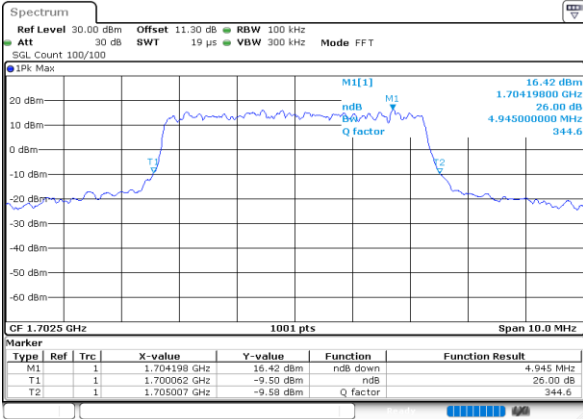
26dB Bandwidth

Mode	LTE Band 70 : 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	-	-	-	-	4.94	4.94	9.75	9.68	14.41	14.20	-	-
Mode	LTE Band 70 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.84	4.88	9.73	9.68	14.44	14.92	-	-



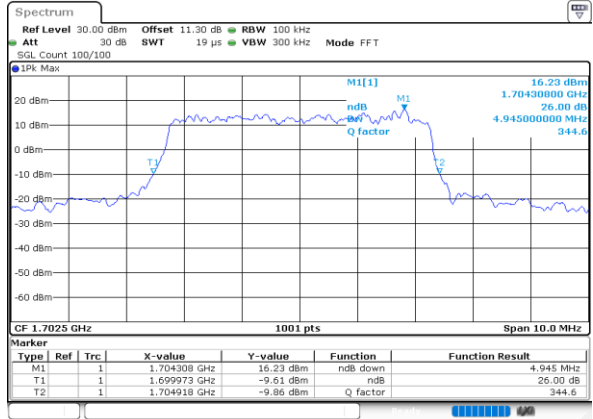
LTE Band 70

Middle Channel / 5MHz / QPSK



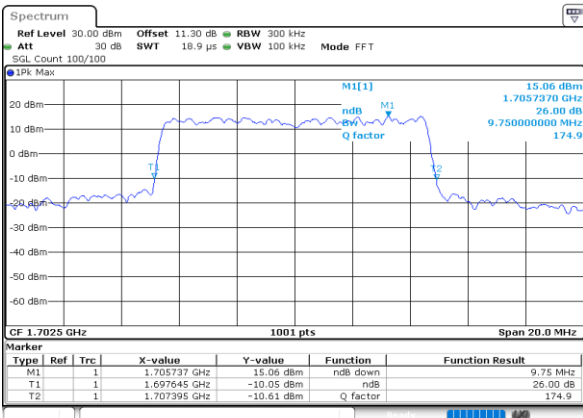
Date: 14.NOV.2024 22:25:37

Middle Channel / 5MHz / 16QAM



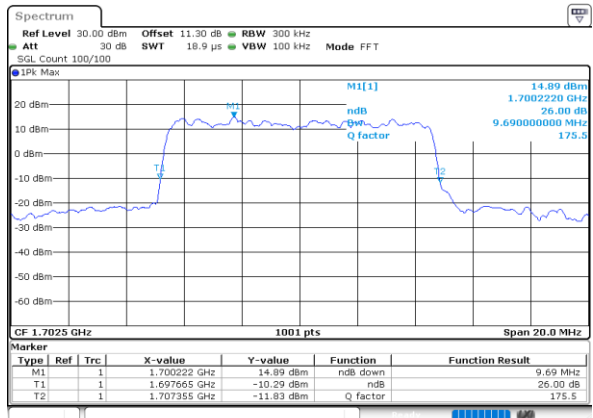
Date: 14.NOV.2024 22:26:06

Middle Channel / 10MHz / QPSK



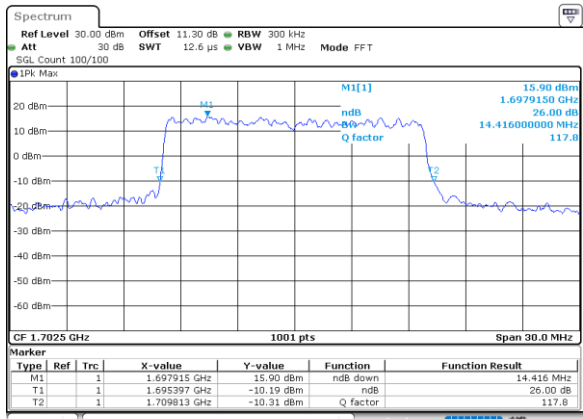
Date: 14.NOV.2024 22:27:36

Middle Channel / 10MHz / 16QAM



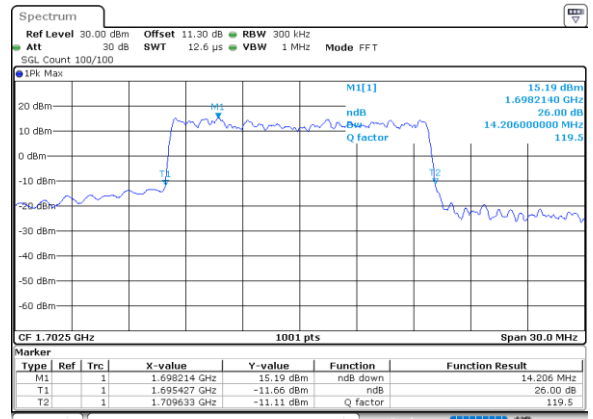
Date: 14.NOV.2024 22:28:07

Middle Channel / 15MHz / QPSK



Date: 14.NOV.2024 22:29:42

Middle Channel / 15MHz / 16QAM

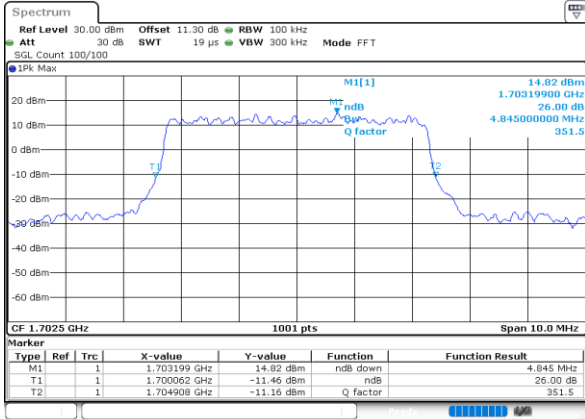


Date: 14.NOV.2024 22:30:13



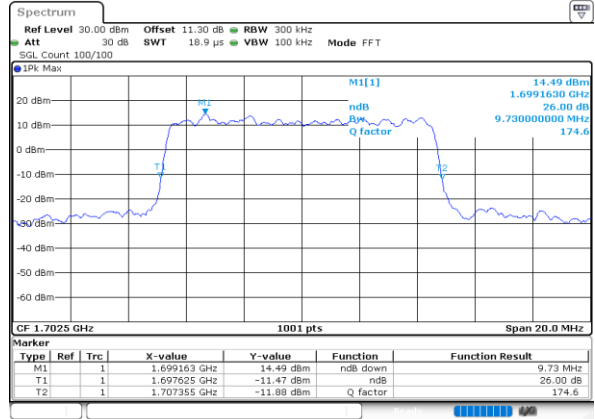
LTE Band 70

Middle Channel / 5MHz / 64QAM



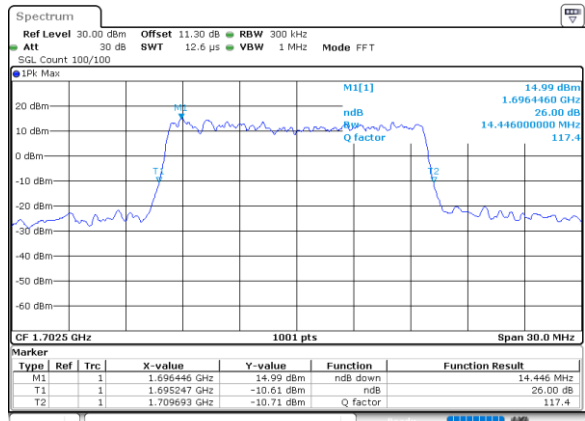
Date: 14.NOV.2024 22:26:34

Middle Channel / 10MHz / 64QAM



Date: 14.NOV.2024 22:28:38

Middle Channel / 15MHz / 64QAM



Date: 14.NOV.2024 22:30:44

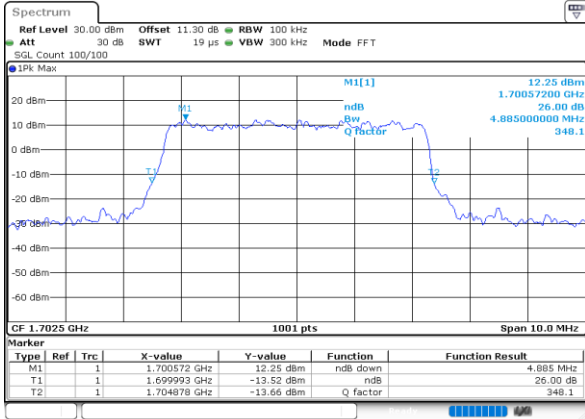
N/A

N/A



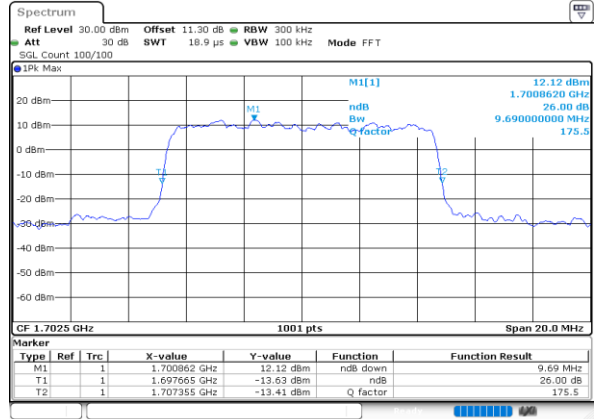
LTE Band 70

Middle Channel / 5MHz / 256QAM



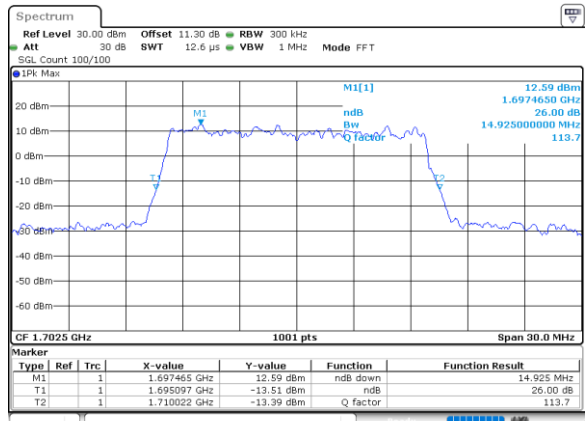
Date: 14.NOV.2024 22:27:03

Middle Channel / 10MHz / 256QAM



Date: 14.NOV.2024 22:12:09

Middle Channel / 15MHz / 256QAM



Date: 14.NOV.2024 22:31:15

N/A

N/A



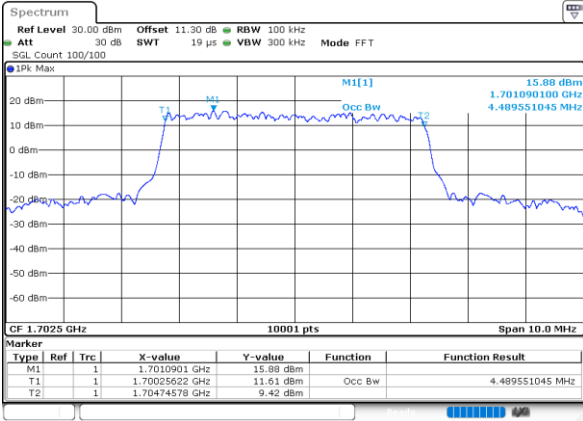
Occupied Bandwidth

Mode	LTE Band 70 : 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	4.48	9.07	9.06	13.51	13.45	-	-
Mode												
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.47	4.47	9.09	9.07	13.43	13.51	-	-



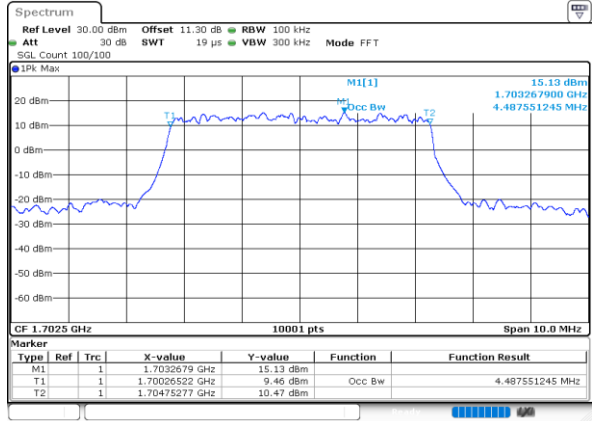
LTE Band 70

Middle Channel / 5MHz / QPSK



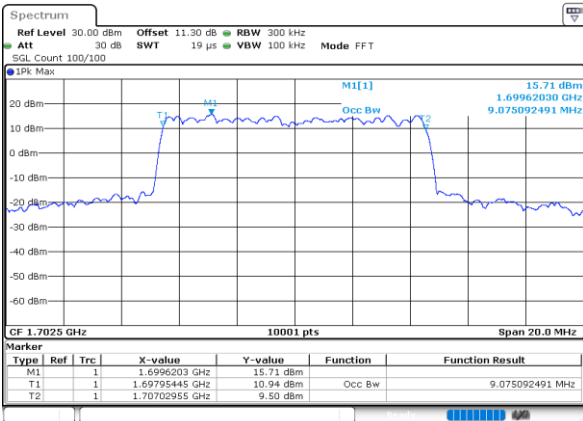
Date: 14.NOV.2024 22:19:26

Middle Channel / 5MHz / 16QAM



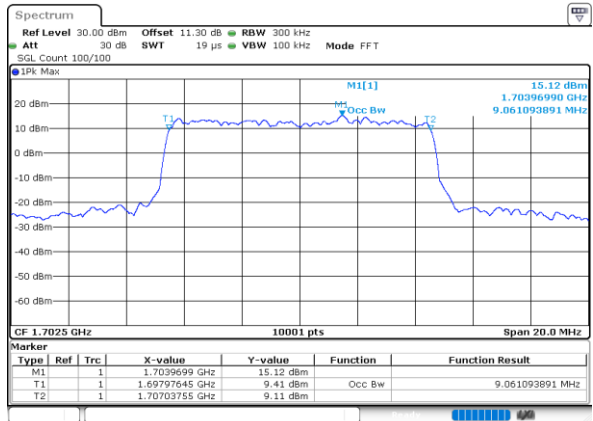
Date: 14.NOV.2024 22:19:54

Middle Channel / 10MHz / QPSK



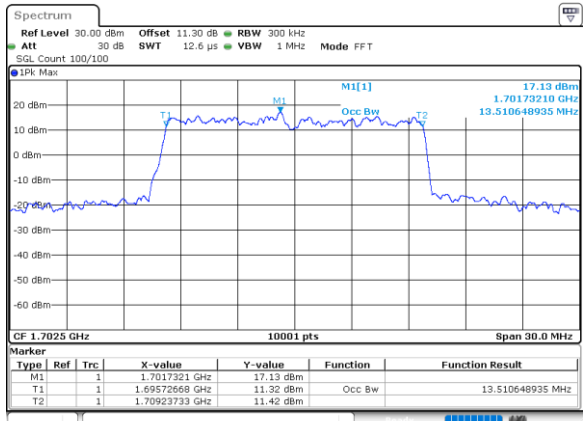
Date: 14.NOV.2024 22:21:25

Middle Channel / 10MHz / 16QAM



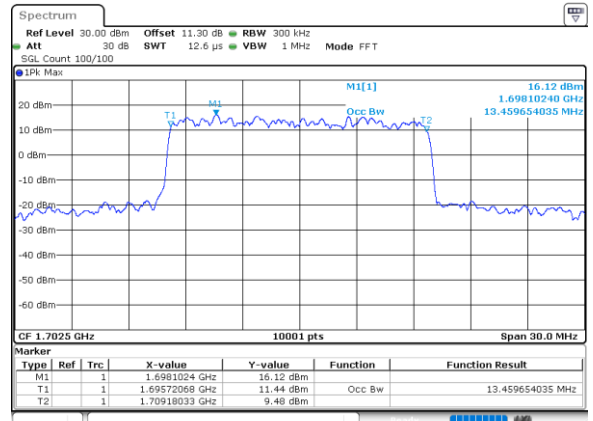
Date: 14.NOV.2024 22:21:56

Middle Channel / 15MHz / QPSK



Date: 14.NOV.2024 22:23:31

Middle Channel / 15MHz / 16QAM

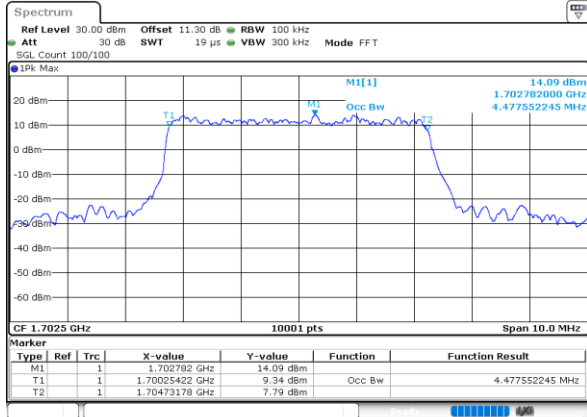


Date: 14.NOV.2024 22:24:02



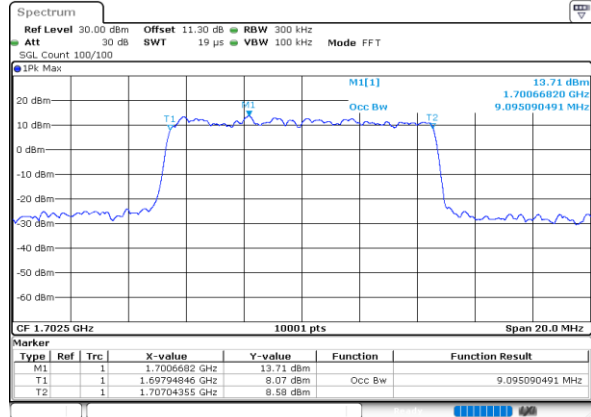
LTE Band 70

Middle Channel / 5MHz / 64QAM



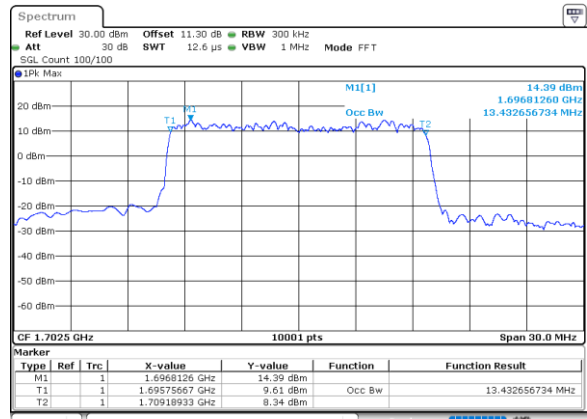
Date: 14.NOV.2024 22:20:23

Middle Channel / 10MHz / 64QAM



Date: 14.NOV.2024 22:22:17

Middle Channel / 15MHz / 64QAM



Date: 14.NOV.2024 22:24:33

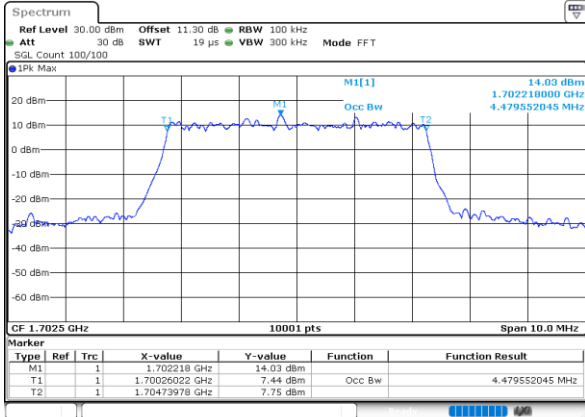
N/A

N/A



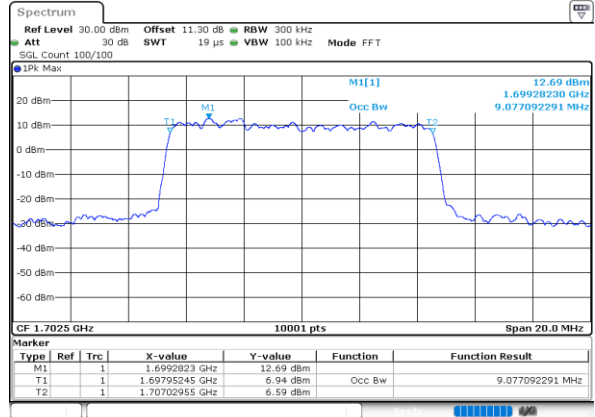
LTE Band 70

Middle Channel / 5MHz / 256QAM



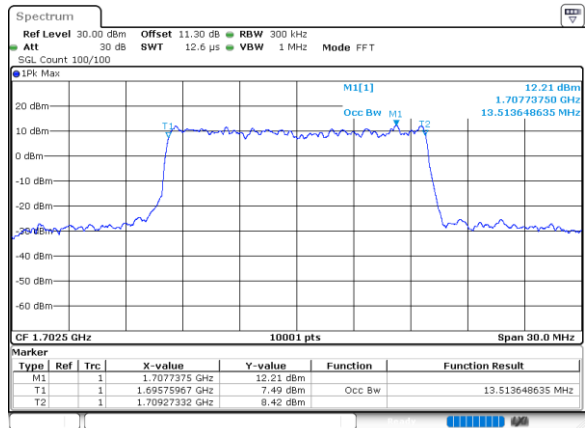
Date: 14.NOV.2024 22:20:51

Middle Channel / 10MHz / 256QAM



Date: 14.NOV.2024 22:12:58

Middle Channel / 15MHz / 256QAM



Date: 14.NOV.2024 22:25:04

N/A

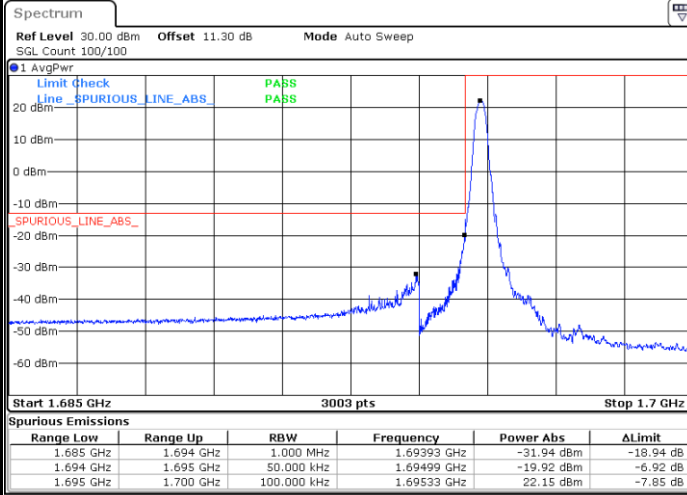
N/A



Conducted Band Edge

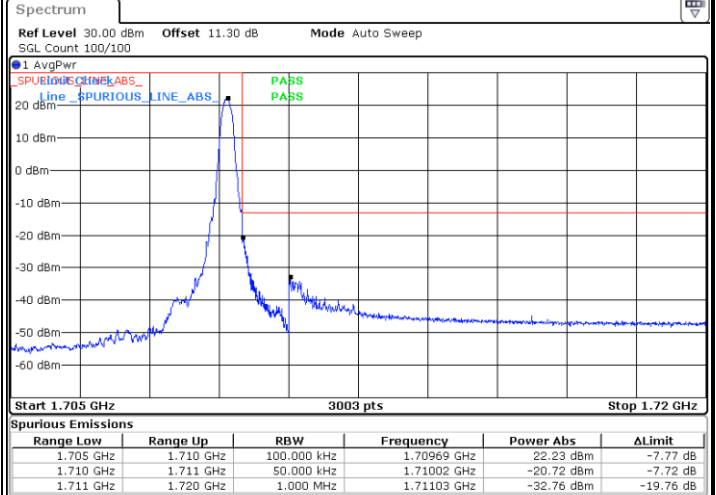
LTE Band 70 / 5MHz / QPSK

Lowest Band Edge / 1 RB



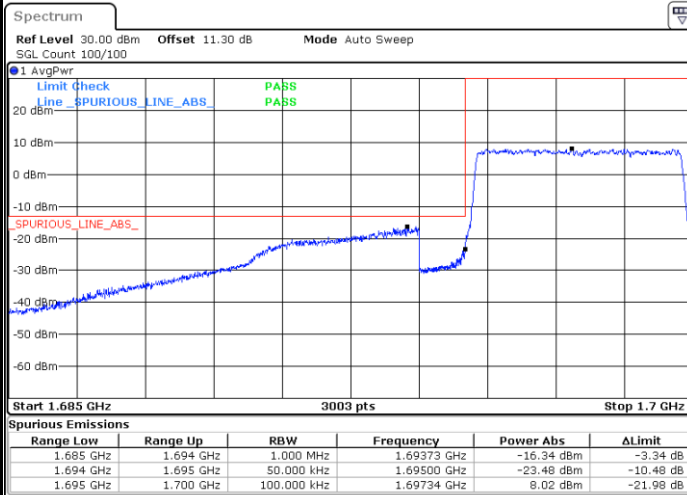
Date: 14.NOV.2024 21:42:10

Highest Band Edge / 1 RB



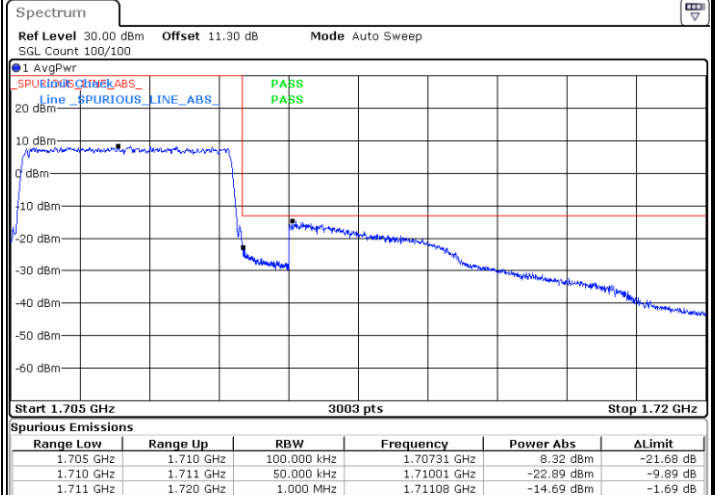
Date: 14.NOV.2024 21:51:17

Lowest Band Edge / Full RB



Date: 14.NOV.2024 21:46:45

Highest Band Edge / Full RB

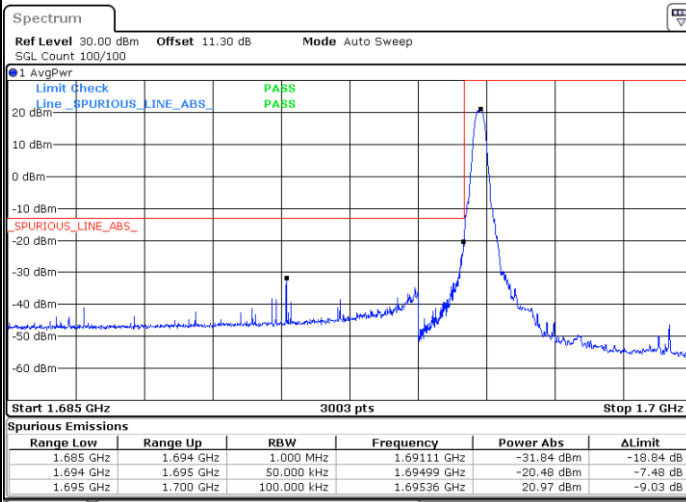


Date: 14.NOV.2024 21:55:46



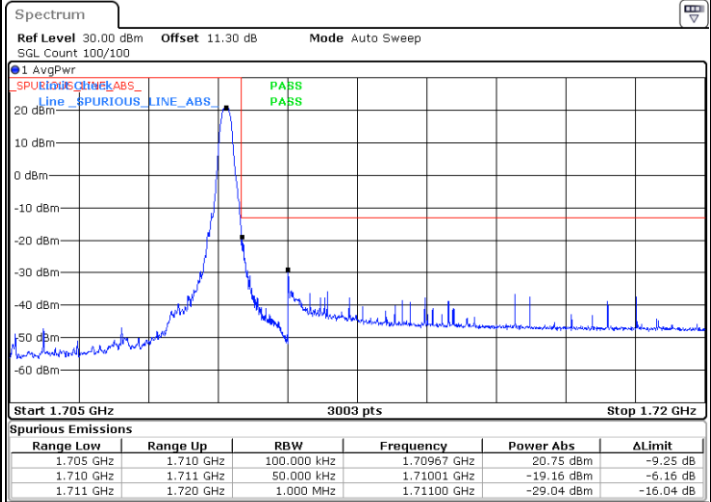
LTE Band 70 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



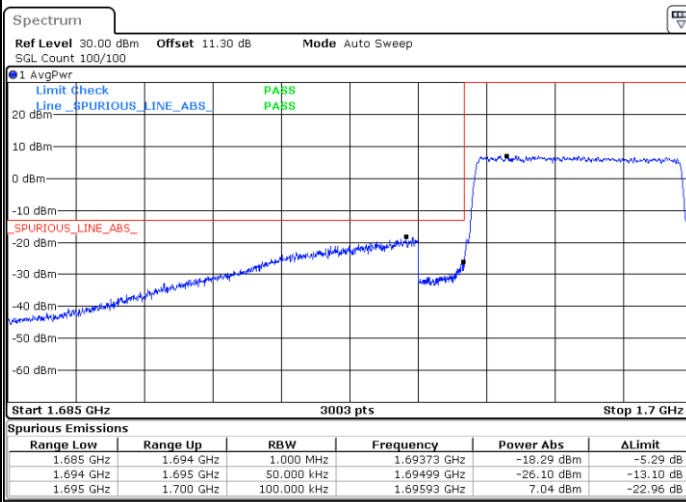
Date: 14.NOV.2024 21:43:19

Highest Band Edge / 1 RB



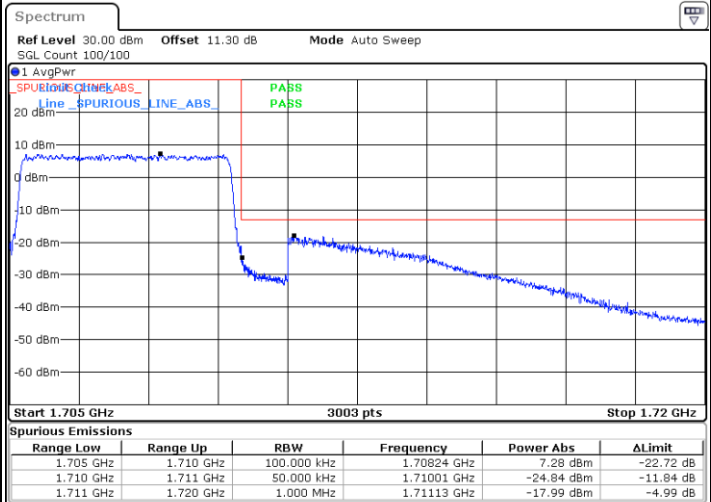
Date: 14.NOV.2024 21:52:24

Lowest Band Edge / Full RB



Date: 14.NOV.2024 21:47:53

Highest Band Edge / Full RB

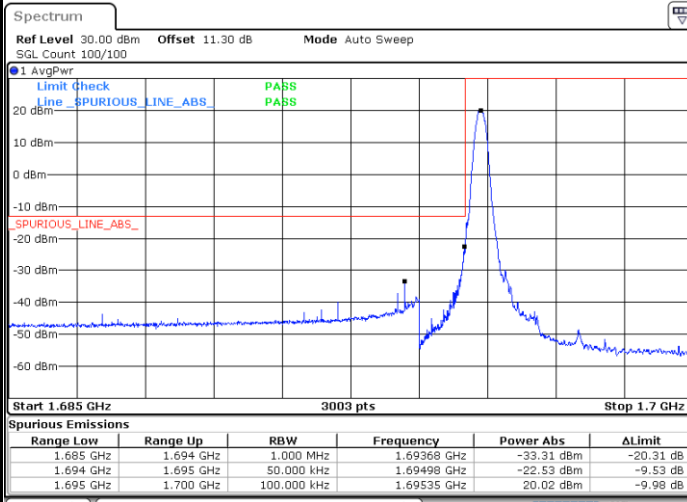


Date: 14.NOV.2024 21:56:53



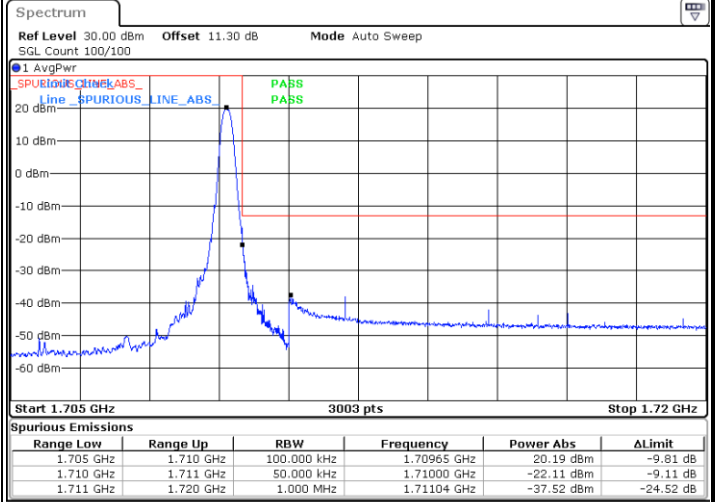
LTE Band 70 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



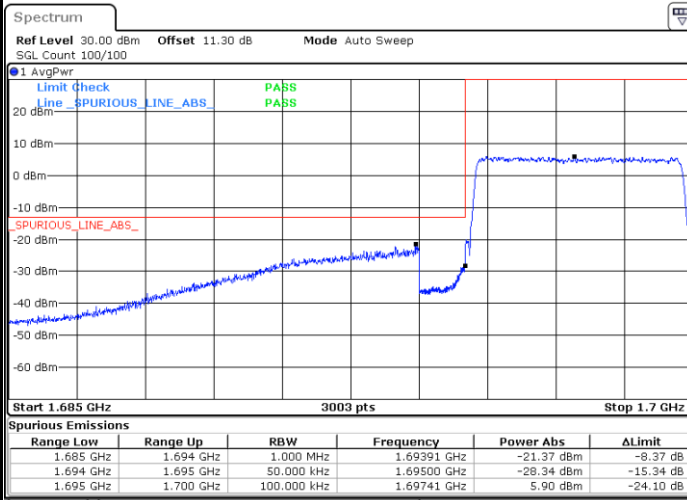
Date: 14.NOV.2024 21:44:26

Highest Band Edge / 1 RB



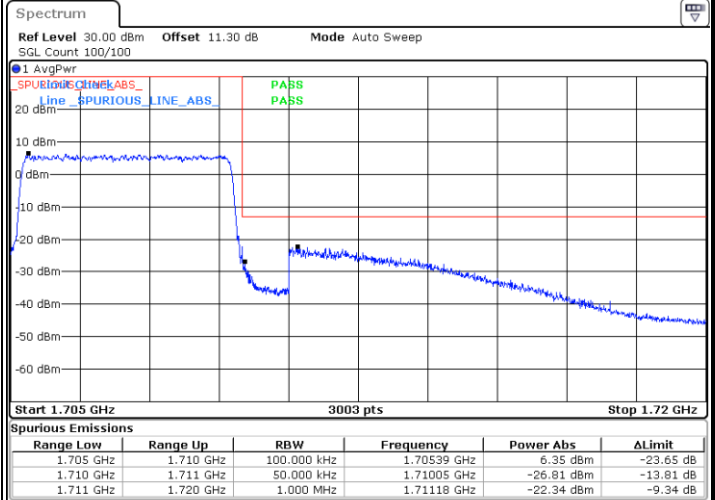
Date: 14.NOV.2024 21:53:31

Lowest Band Edge / Full RB



Date: 14.NOV.2024 21:49:01

Highest Band Edge / Full RB

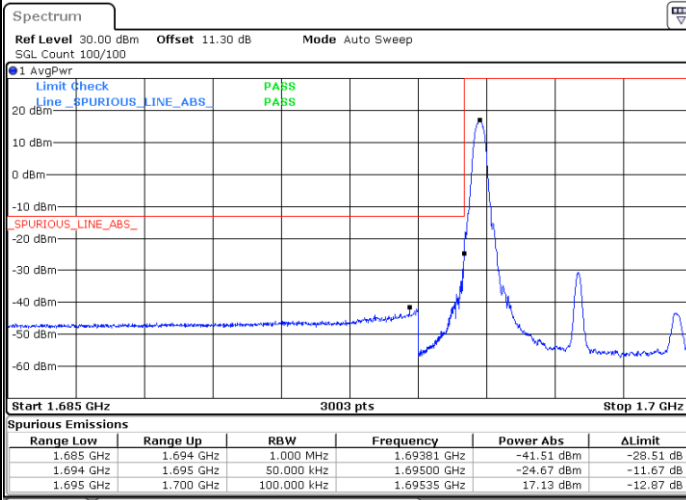


Date: 14.NOV.2024 21:58:01



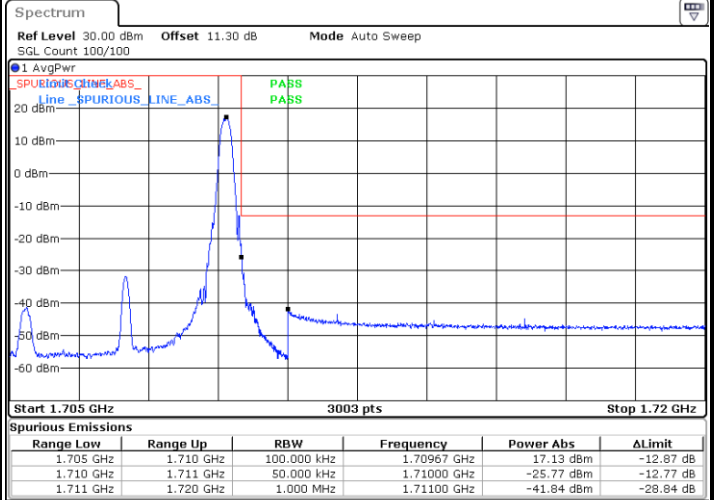
LTE Band 70 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



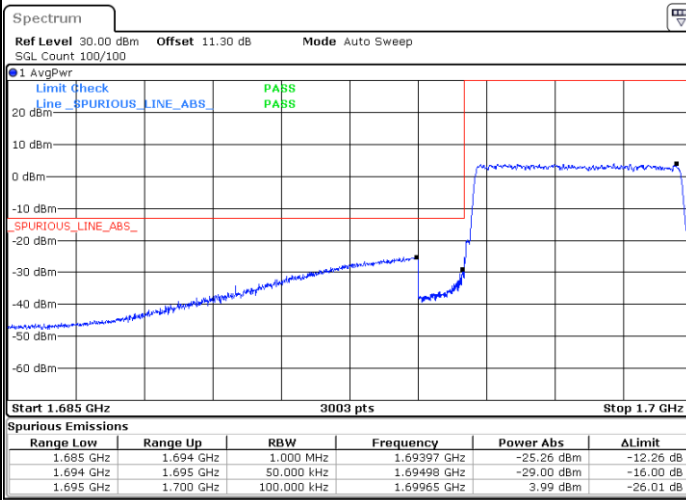
Date: 14.NOV.2024 21:45:34

Highest Band Edge / 1 RB



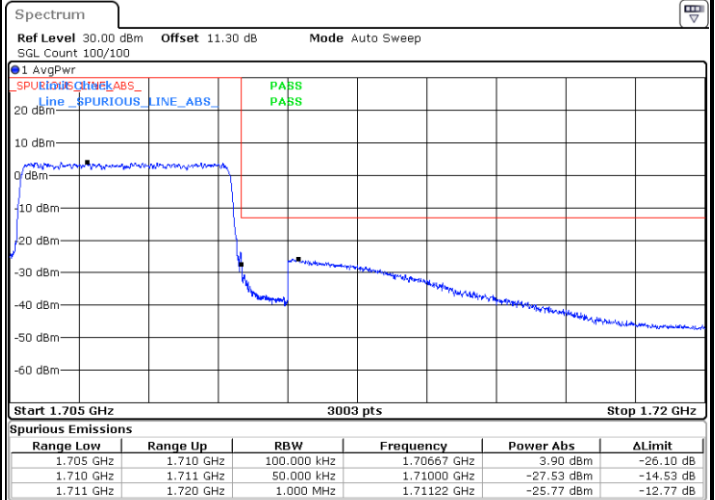
Date: 14.NOV.2024 21:54:39

Lowest Band Edge / Full RB



Date: 14.NOV.2024 21:50:09

Highest Band Edge / Full RB

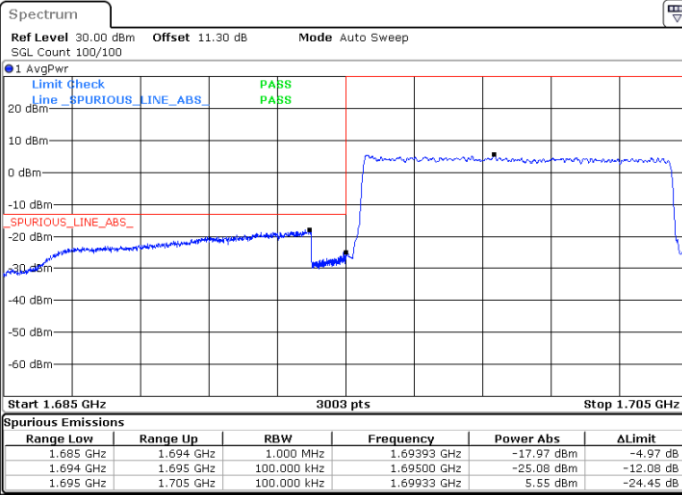


Date: 14.NOV.2024 21:59:08



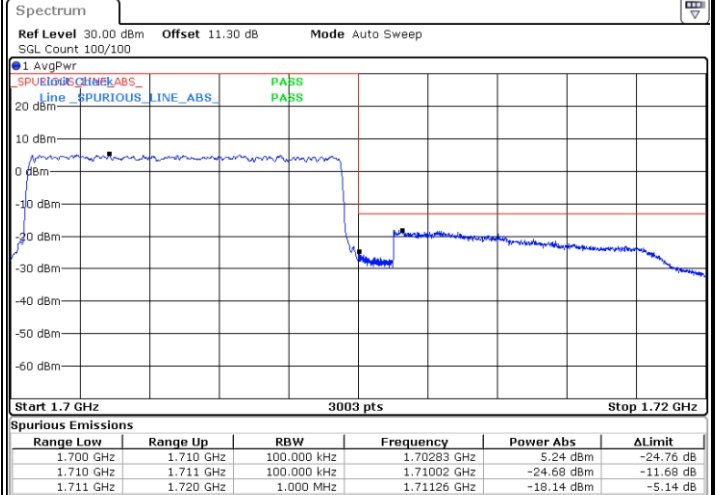
LTE Band 70 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 14.NOV.2024 22:05:03

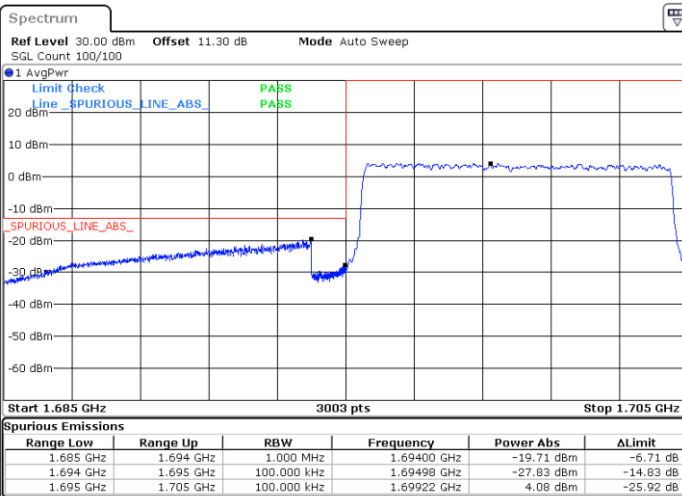
Highest Band Edge / Full RB



Date: 14.NOV.2024 22:14:28

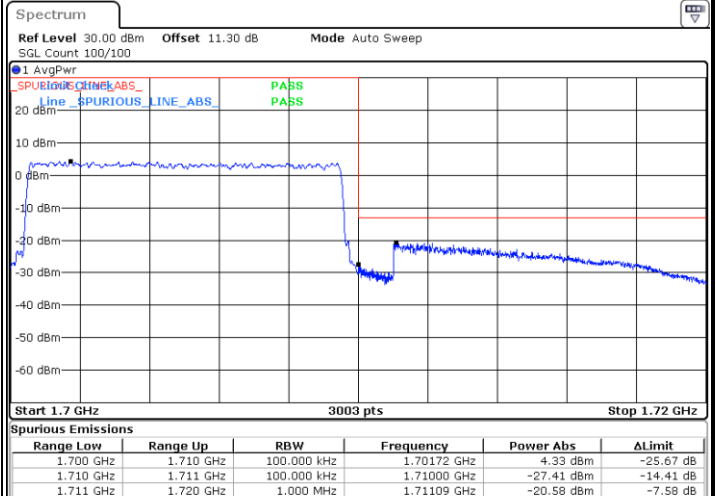
LTE Band 70 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 14.NOV.2024 22:06:14

Highest Band Edge / Full RB

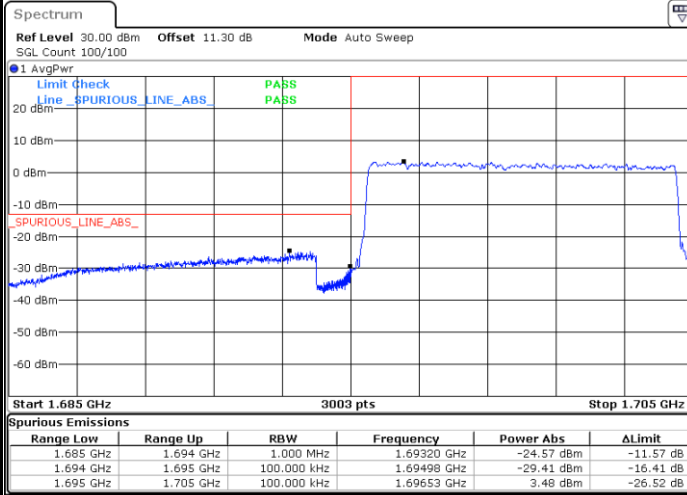


Date: 14.NOV.2024 22:15:38



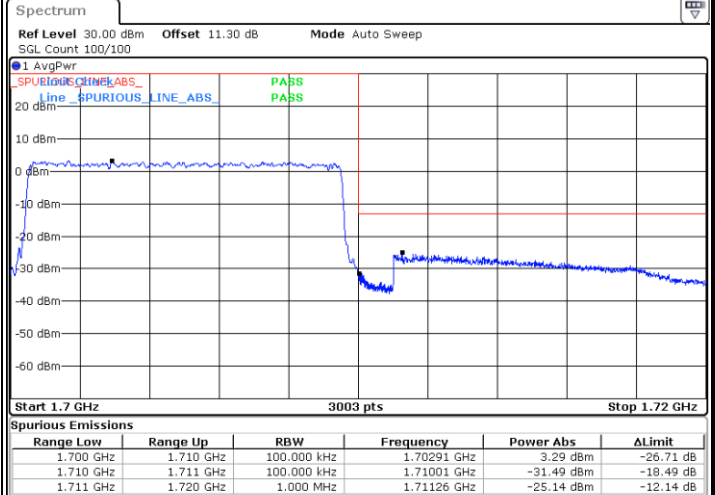
LTE Band 70 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 14.NOV.2024 22:07:24

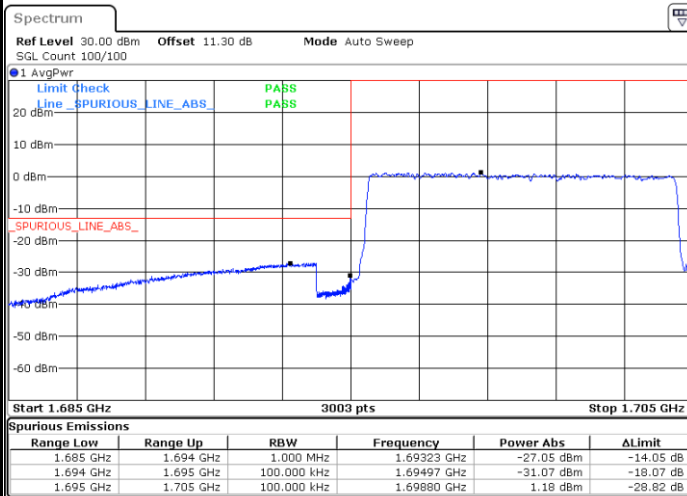
Highest Band Edge / Full RB



Date: 14.NOV.2024 22:16:49

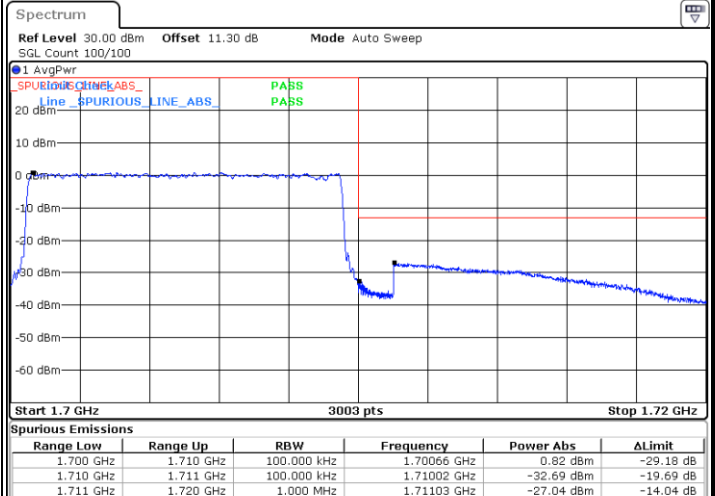
LTE Band 70 / 10MHz / 256QAM

Lowest Band Edge / Full RB

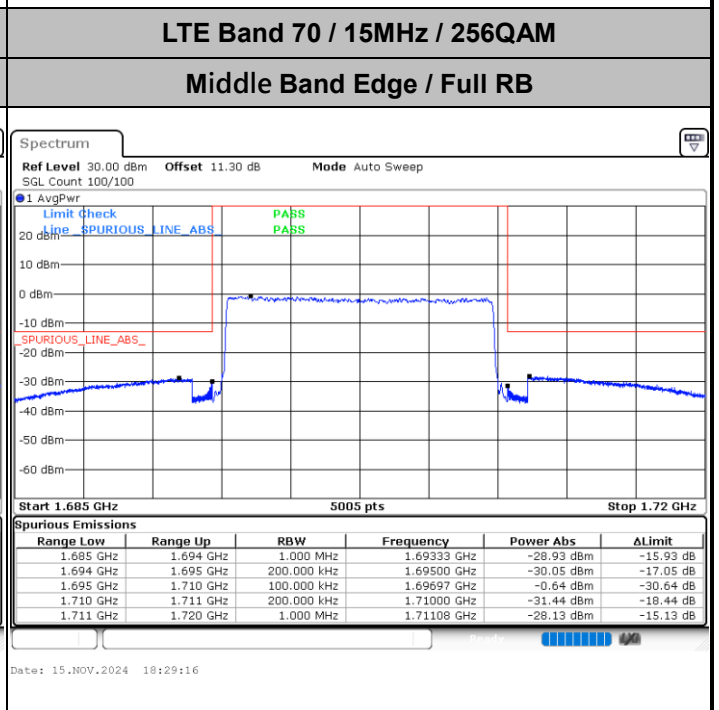
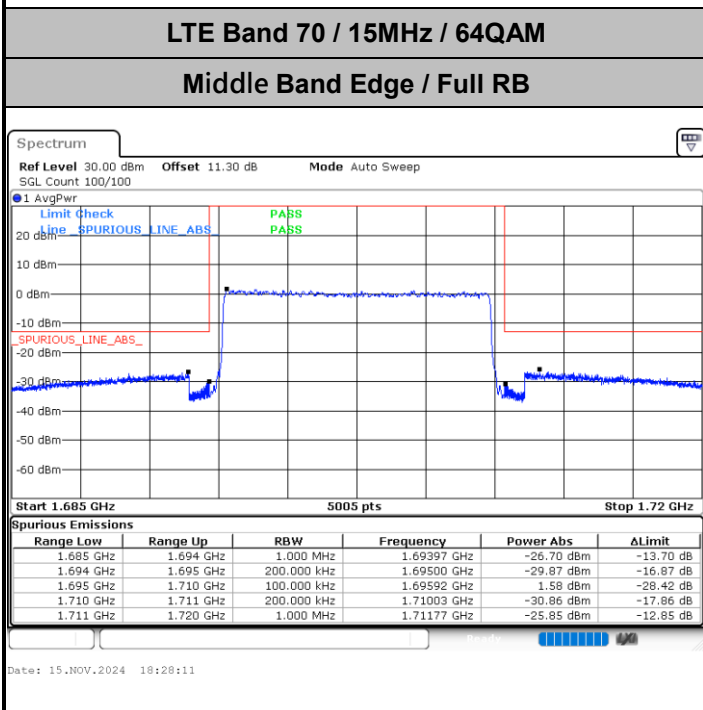
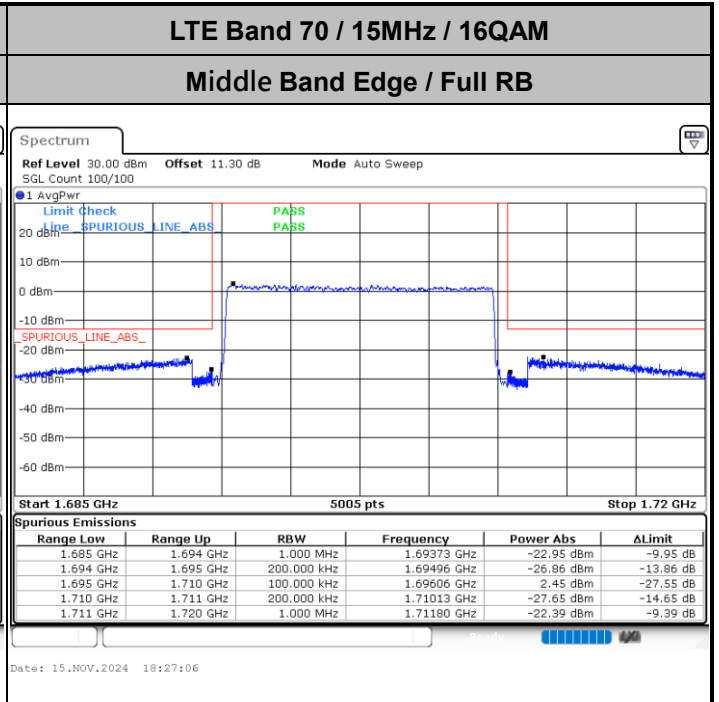
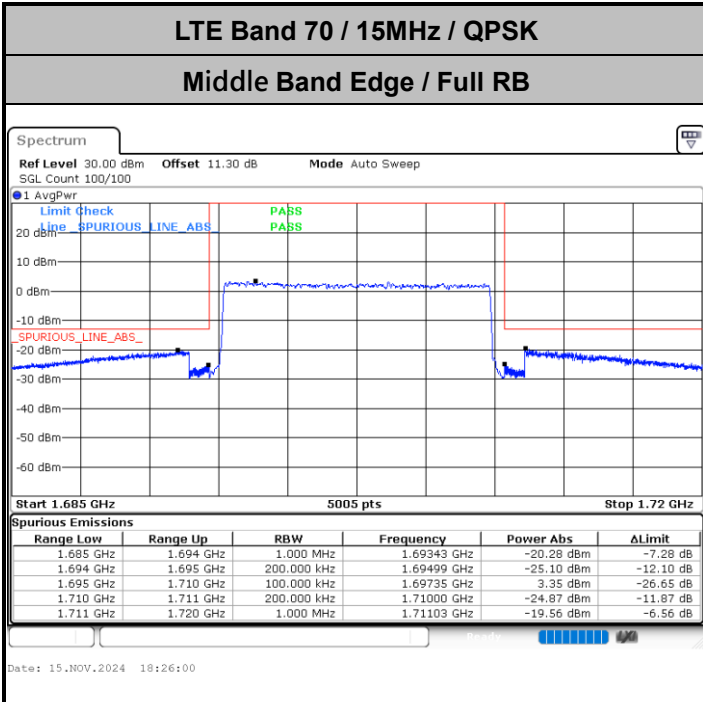


Date: 14.NOV.2024 22:08:35

Highest Band Edge / Full RB



Date: 14.NOV.2024 22:17:59



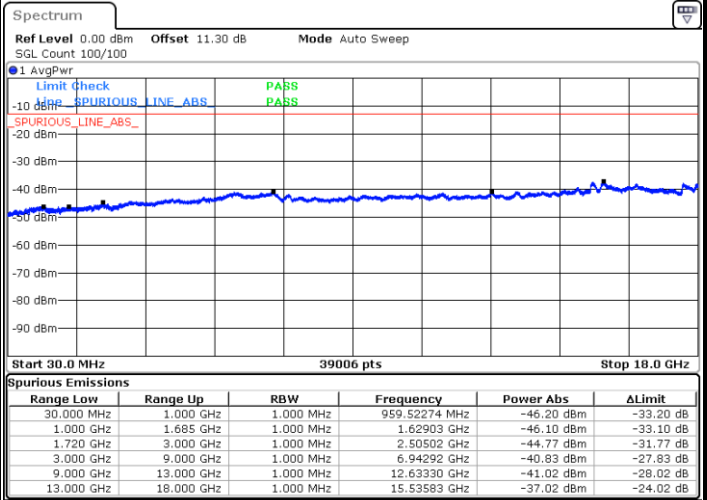
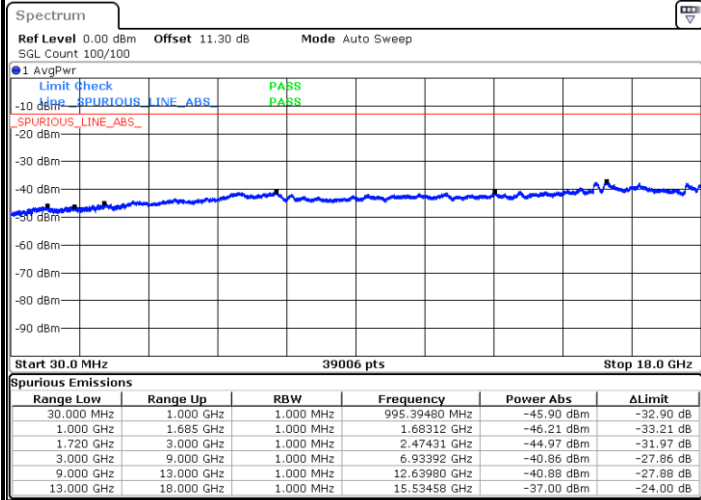


Conducted Spurious Emission

LTE Band 70 / 5MHz

Lowest Channel / QPSK

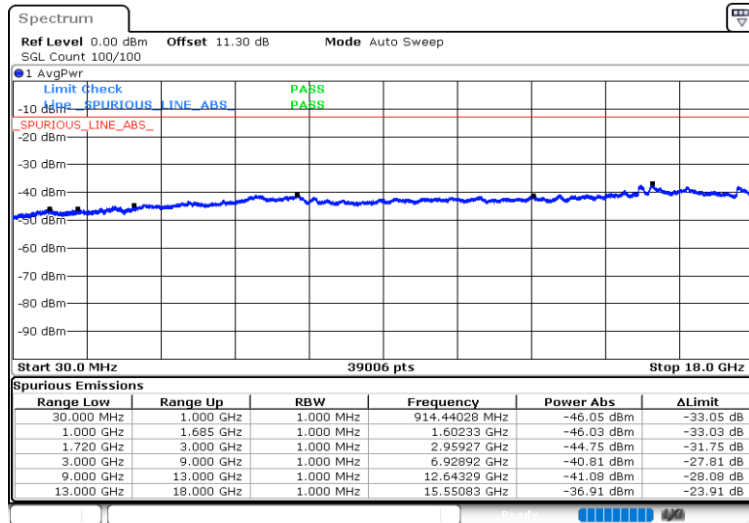
Middle Channel / QPSK



Date: 15.NOV.2024 18:07:23

Date: 15.NOV.2024 18:08:36

Highest Channel / QPSK



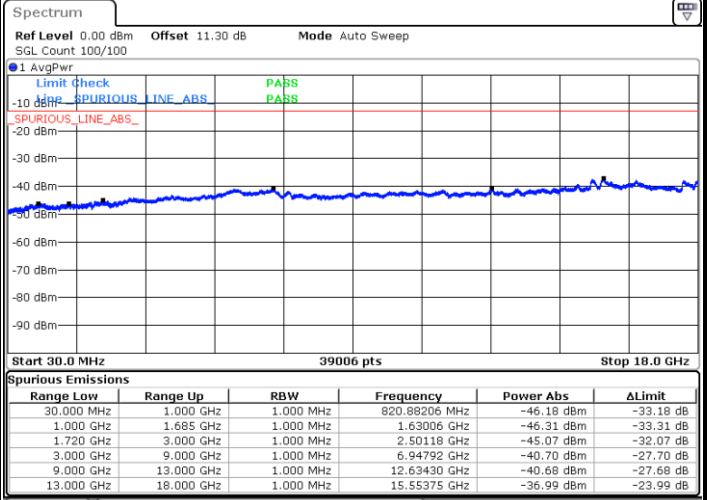
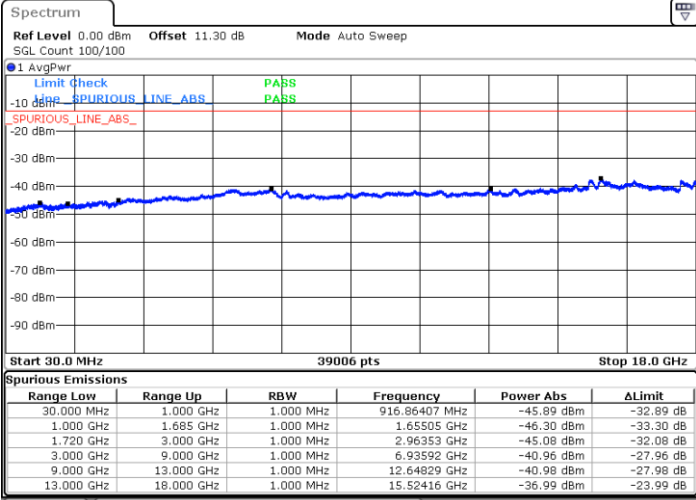
Date: 15.NOV.2024 18:09:48



LTE Band 70 / 10MHz

Lowest Channel / QPSK

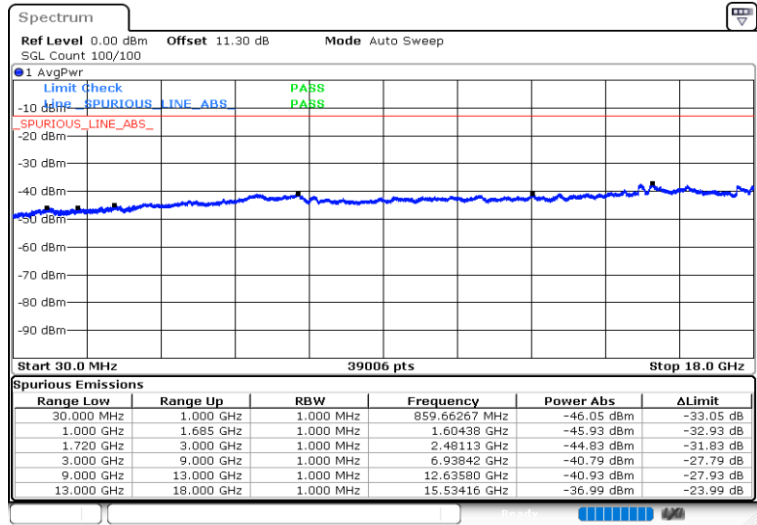
Middle Channel / QPSK



Date: 15.NOV.2024 18:14:42

Date: 15.NOV.2024 18:15:57

Highest Channel / QPSK

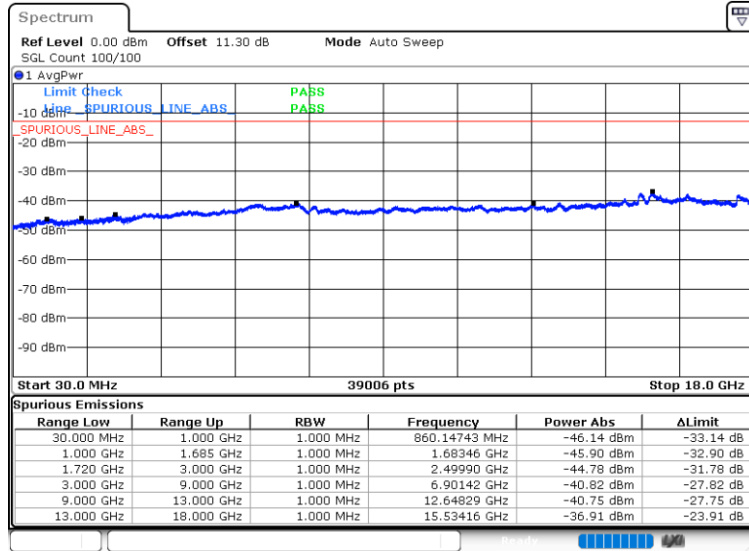


Date: 15.NOV.2024 18:17:12



LTE Band 70 / 15MHz

Middle Channel / QPSK



Date: 15.NOV.2024 18:18:28



Frequency Stability

Test Conditions		LTE Band 70 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0080	PASS
40	Normal Voltage	0.0063	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0080	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0077	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0094	

Note:

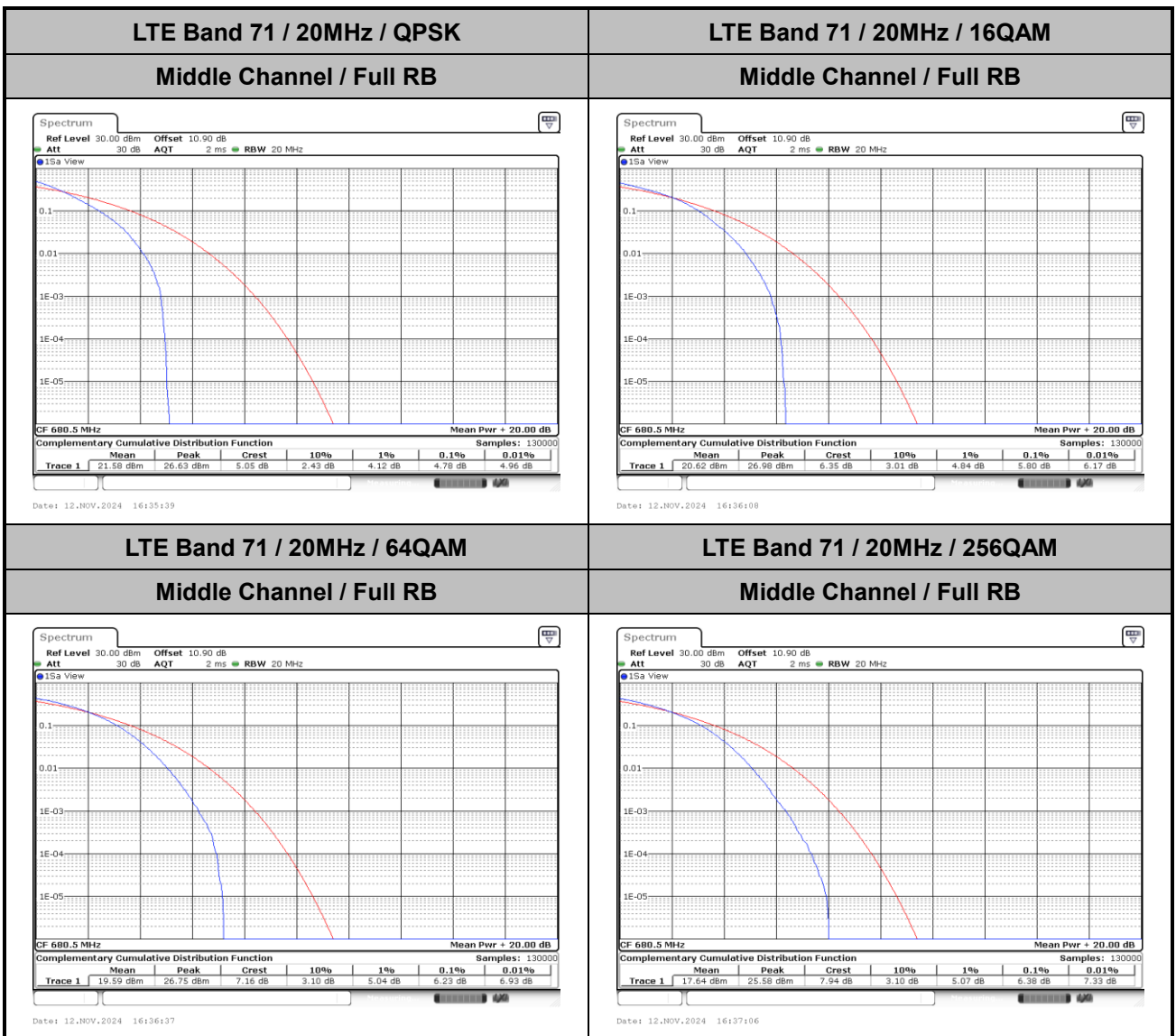
- 1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 3.465 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 71

Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.78	5.80	6.23	6.38	PASS





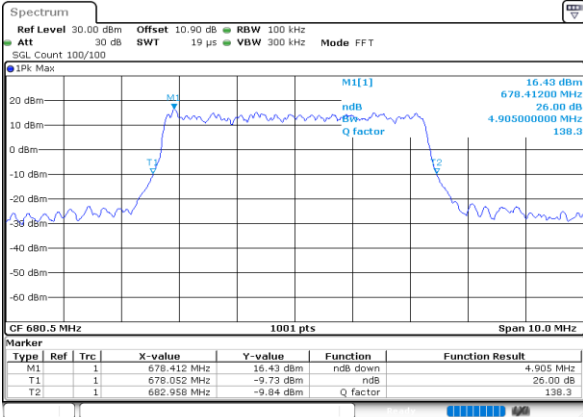
26dB Bandwidth

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	-	-	-	-	4.90	4.98	9.91	10.08	14.11	14.50	18.90	18.94
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	5.07	4.98	10.10	9.78	14.26	14.47	19.06	19.50



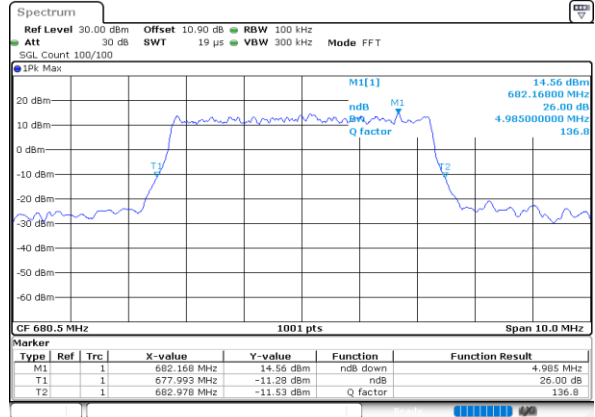
LTE Band 71

Middle Channel / 5MHz / QPSK



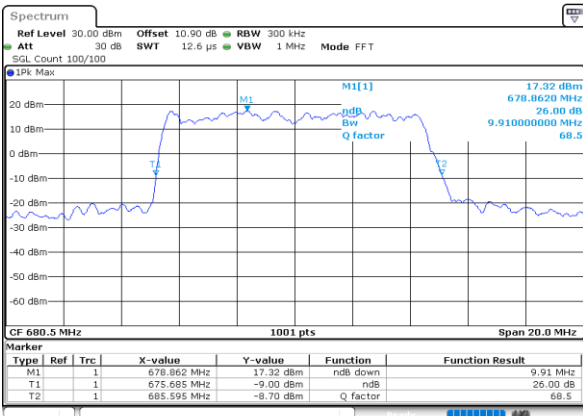
Date: 12.NOV.2024 16:27:54

Middle Channel / 5MHz / 16QAM



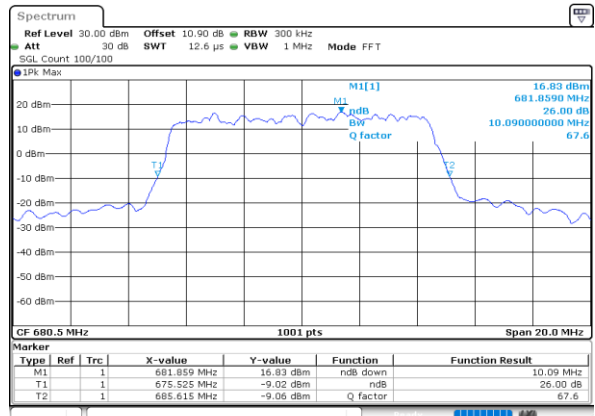
Date: 12.NOV.2024 16:28:22

Middle Channel / 10MHz / QPSK



Date: 12.NOV.2024 16:29:52

Middle Channel / 10MHz / 16QAM

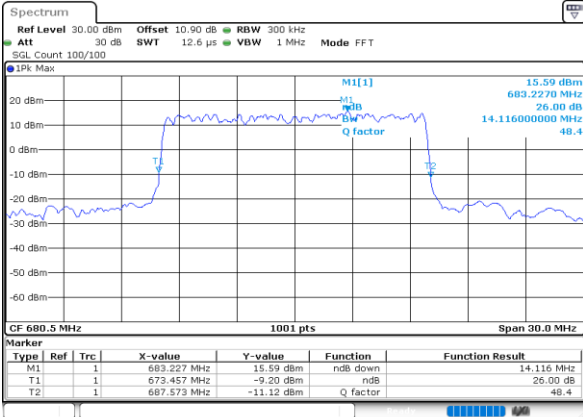


Date: 12.NOV.2024 16:30:20



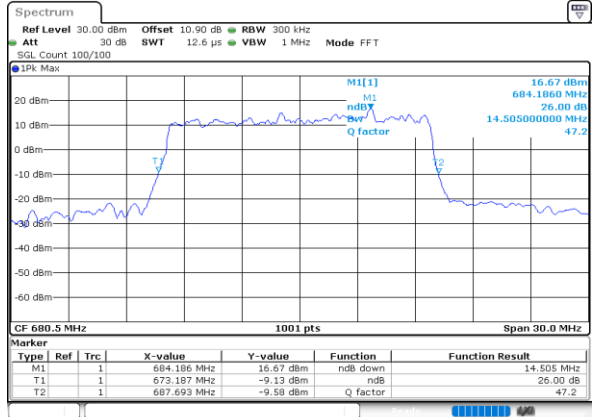
LTE Band 71

Middle Channel / 15MHz / QPSK



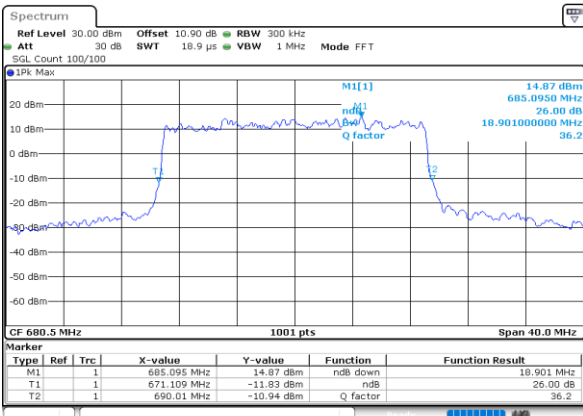
Date: 12.NOV.2024 16:31:49

Middle Channel / 15MHz / 16QAM



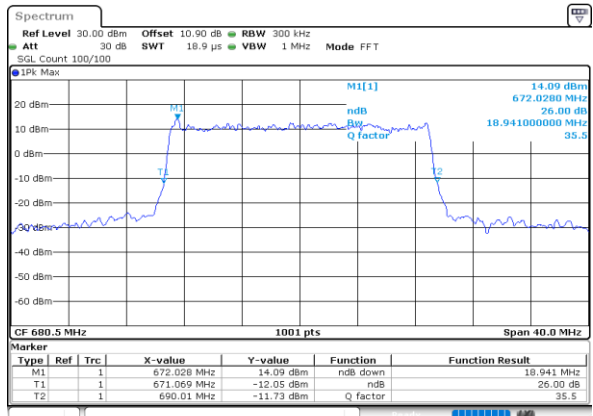
Date: 12.NOV.2024 16:32:17

Middle Channel / 20MHz / QPSK



Date: 12.NOV.2024 16:33:16

Middle Channel / 20MHz / 16QAM

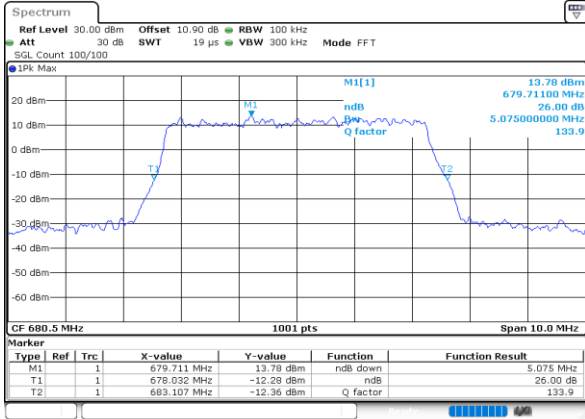


Date: 12.NOV.2024 16:34:14



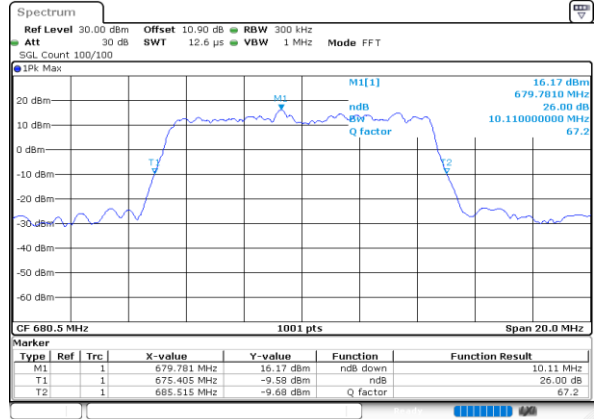
LTE Band 71

Middle Channel / 5MHz / 64QAM



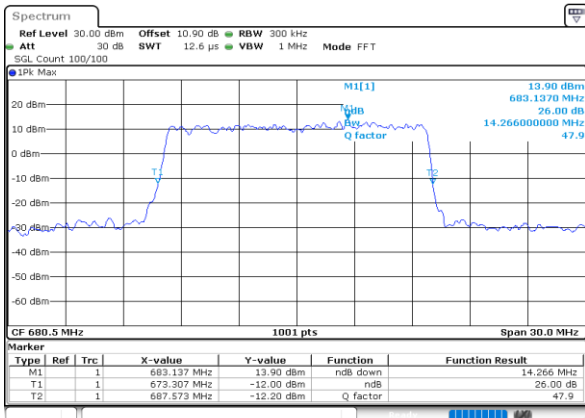
Date: 12.NOV.2024 16:28:50

Middle Channel / 10MHz / 64QAM



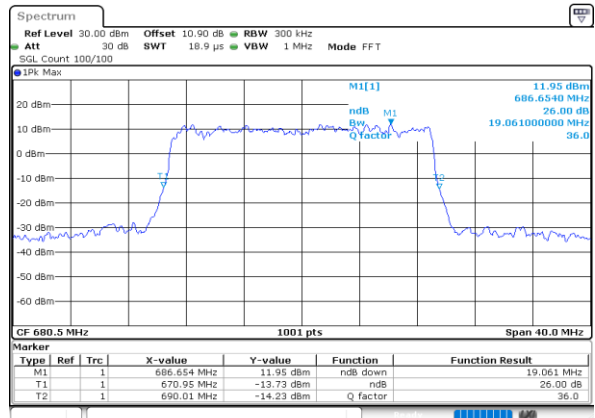
Date: 12.NOV.2024 16:30:47

Middle Channel / 15MHz / 64QAM



Date: 12.NOV.2024 16:32:45

Middle Channel / 20MHz / 64QAM

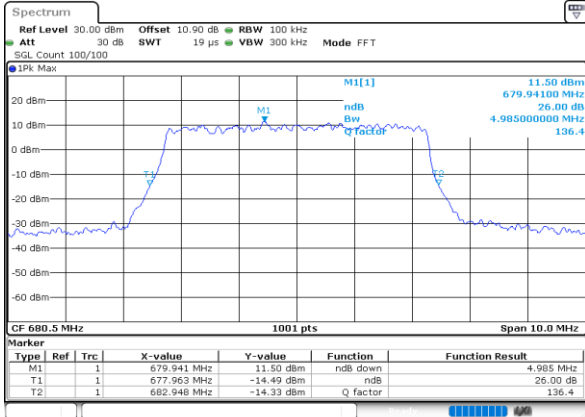


Date: 12.NOV.2024 16:34:42



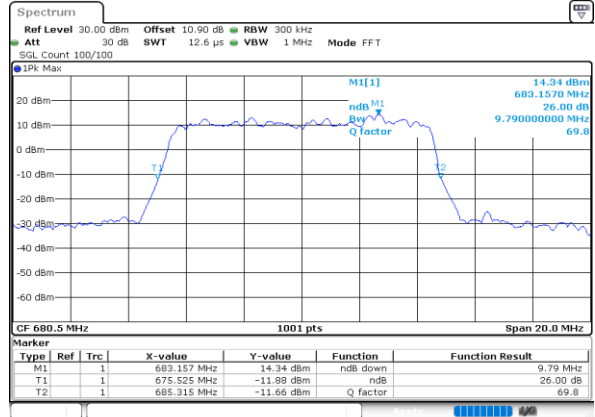
LTE Band 71

Middle Channel / 5MHz / 256QAM



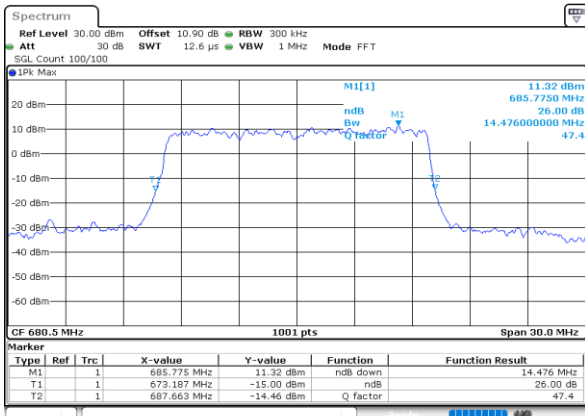
Date: 12.NOV.2024 16:29:18

Middle Channel / 10MHz / 256QAM



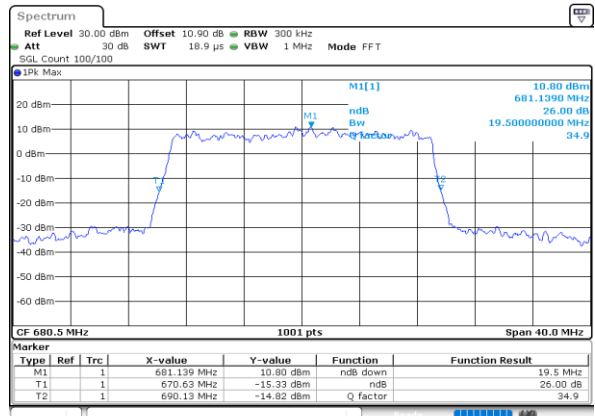
Date: 12.NOV.2024 16:31:15

Middle Channel / 15MHz / 256QAM



Date: 12.NOV.2024 16:33:12

Middle Channel / 20MHz / 256QAM



Date: 12.NOV.2024 16:35:10



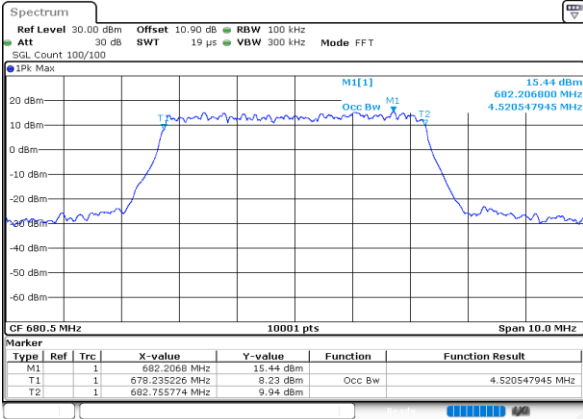
Occupied Bandwidth

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	-	-	-	-	4.52	4.50	9.03	9.03	13.41	13.41	17.81	17.90
Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.50	4.49	9.05	9.02	13.44	13.48	17.84	17.93



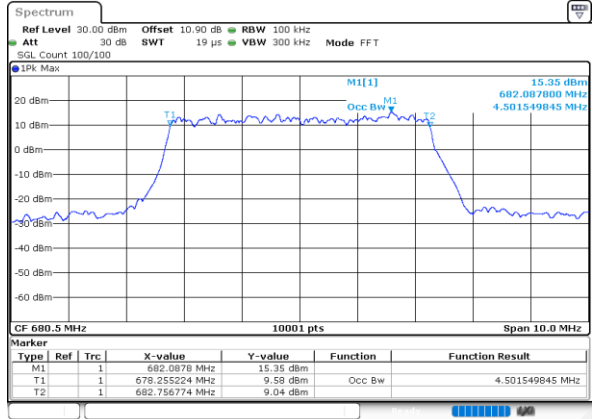
LTE Band 71

Middle Channel / 5MHz / QPSK



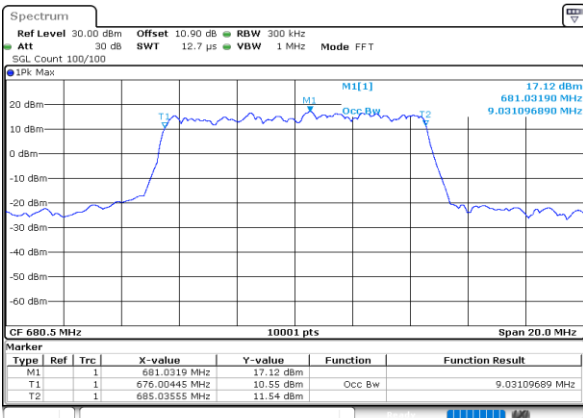
Date: 12.NOV.2024 16:20:05

Middle Channel / 5MHz / 16QAM



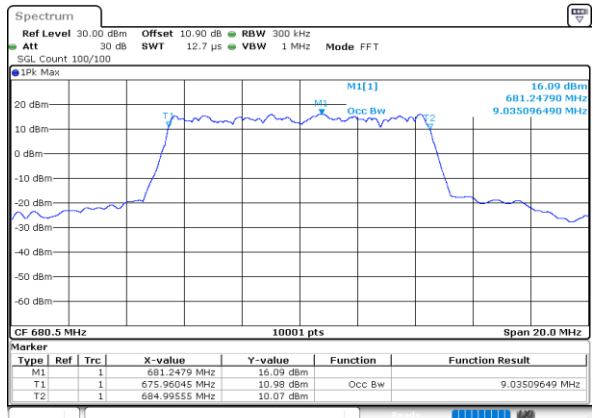
Date: 12.NOV.2024 16:20:33

Middle Channel / 10MHz / QPSK



Date: 12.NOV.2024 16:22:02

Middle Channel / 10MHz / 16QAM

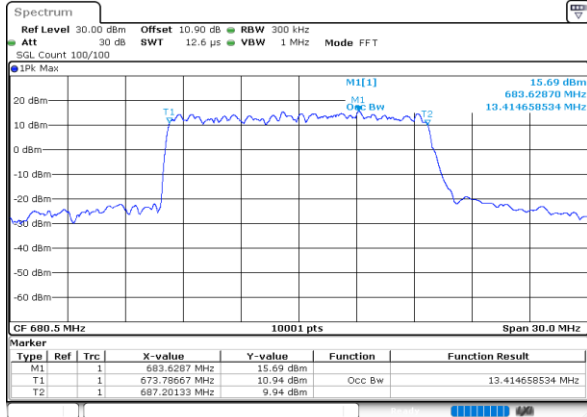


Date: 12.NOV.2024 16:22:30



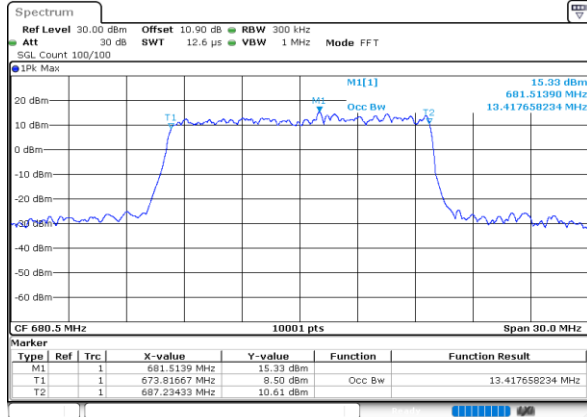
LTE Band 71

Middle Channel / 15MHz / QPSK



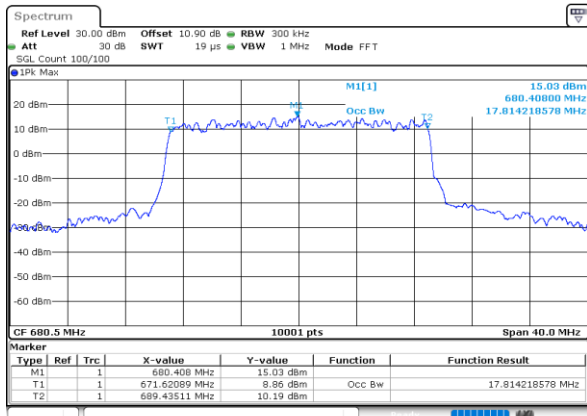
Date: 12.NOV.2024 16:23:59

Middle Channel / 15MHz / 16QAM



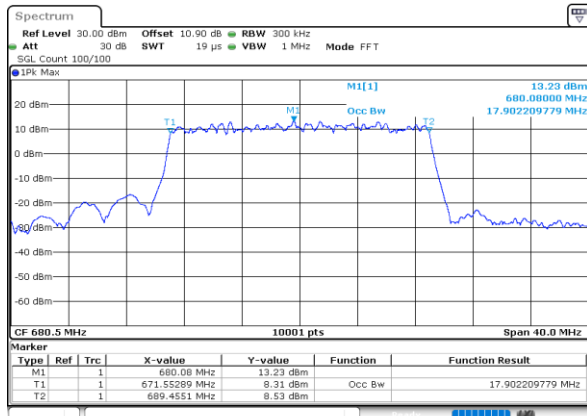
Date: 12.NOV.2024 16:24:27

Middle Channel / 20MHz / QPSK



Date: 12.NOV.2024 16:25:17

Middle Channel / 20MHz / 16QAM

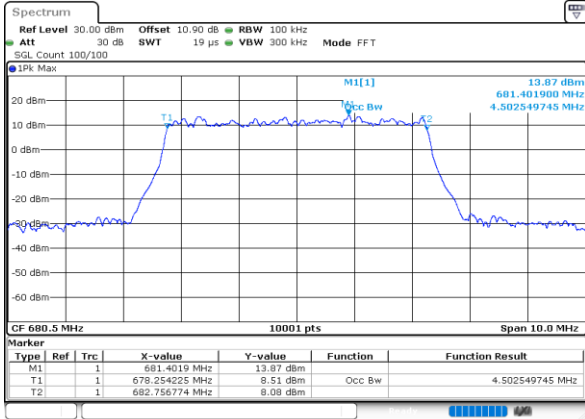


Date: 12.NOV.2024 16:26:25



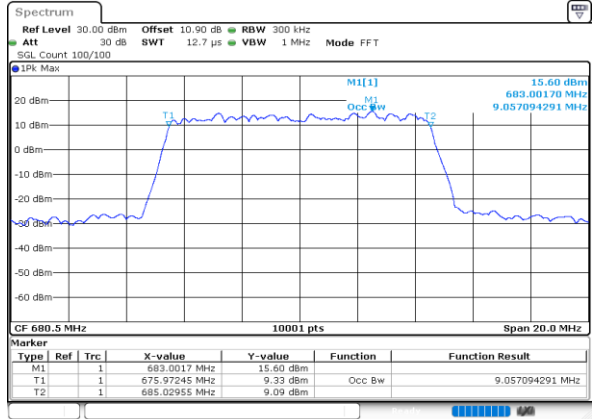
LTE Band 71

Middle Channel / 5MHz / 64QAM



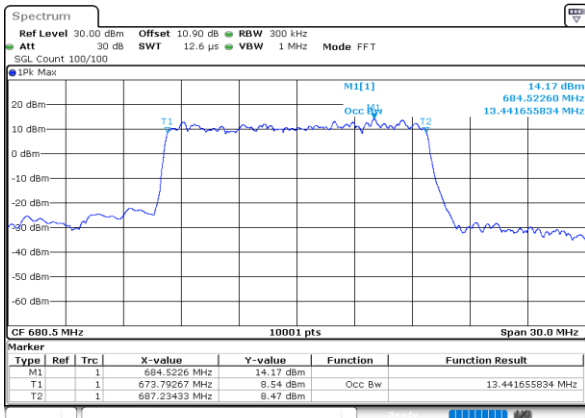
Date: 12.NOV.2024 16:21:01

Middle Channel / 10MHz / 64QAM



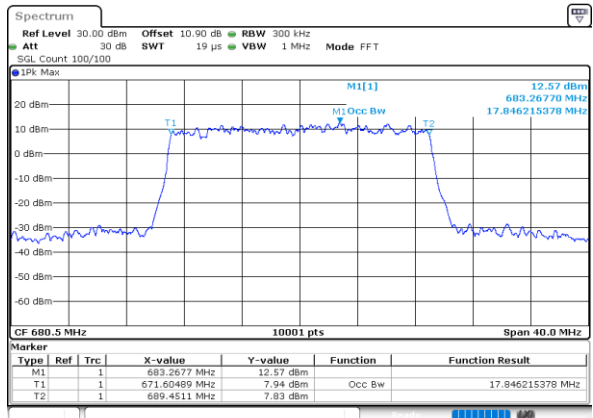
Date: 12.NOV.2024 16:22:58

Middle Channel / 15MHz / 64QAM



Date: 12.NOV.2024 16:24:55

Middle Channel / 20MHz / 64QAM

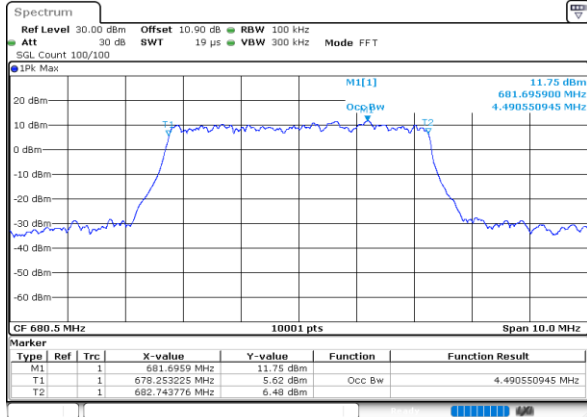


Date: 12.NOV.2024 16:26:53



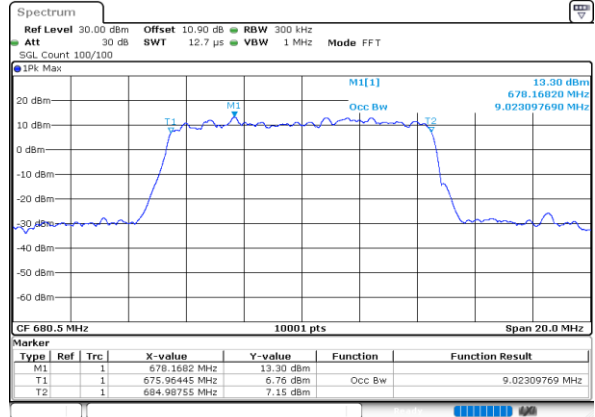
LTE Band 71

Middle Channel / 5MHz / 256QAM



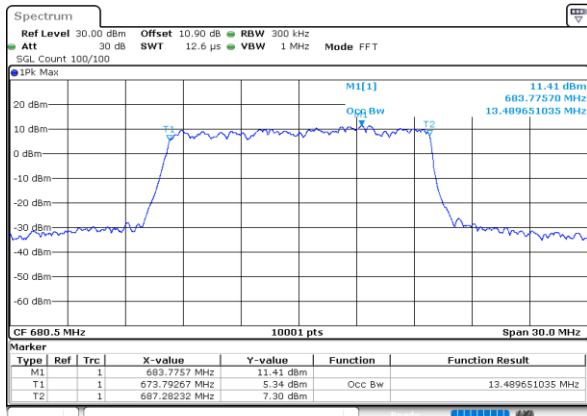
Date: 12.NOV.2024 16:21:29

Middle Channel / 10MHz / 256QAM



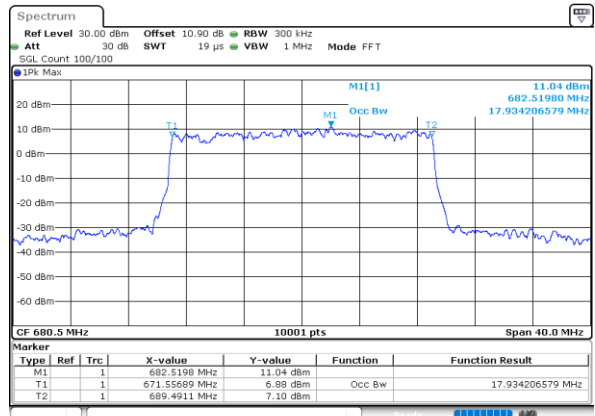
Date: 12.NOV.2024 16:23:26

Middle Channel / 15MHz / 256QAM



Date: 12.NOV.2024 16:25:23

Middle Channel / 20MHz / 256QAM



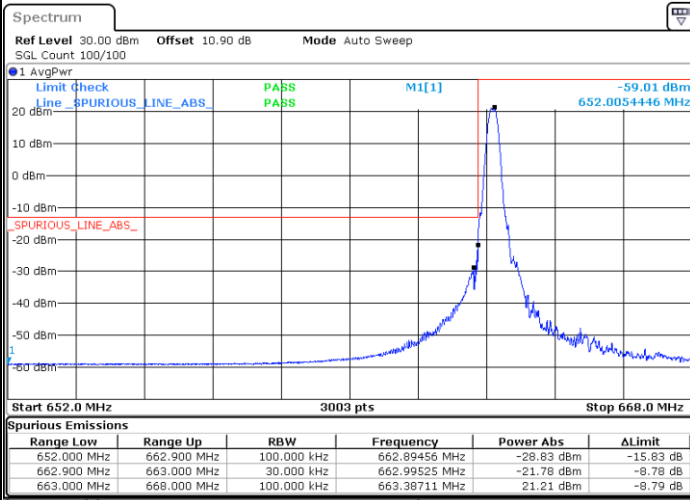
Date: 12.NOV.2024 16:27:21



Conducted Band Edge

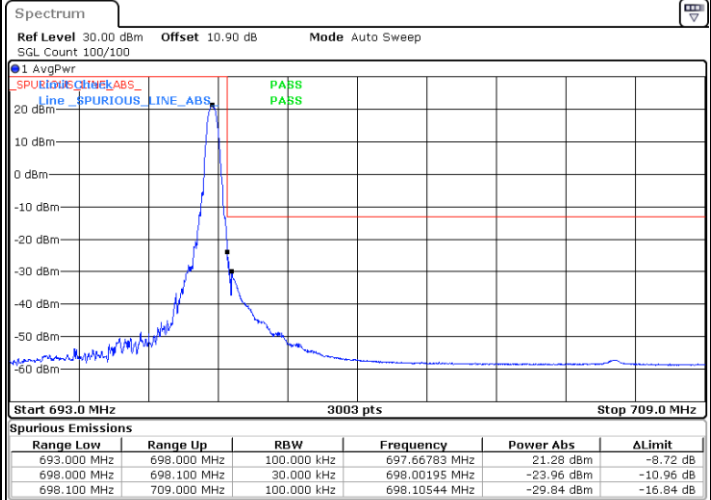
LTE Band 71 / 5MHz / QPSK

Lowest Band Edge / 1 RB



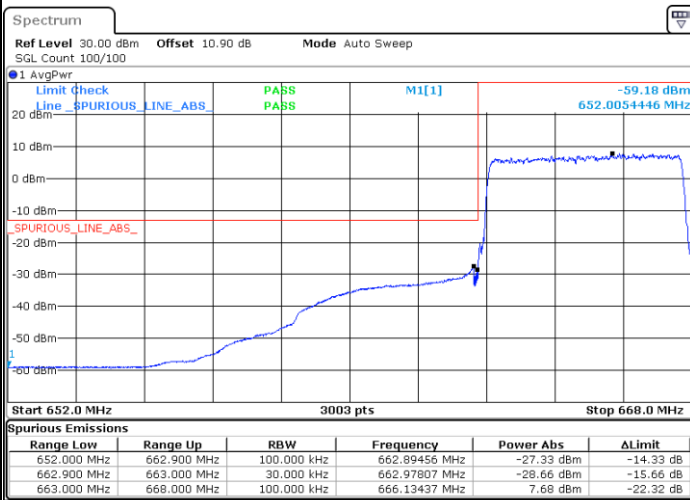
Date: 12.NOV.2024 14:33:46

Highest Band Edge / 1 RB



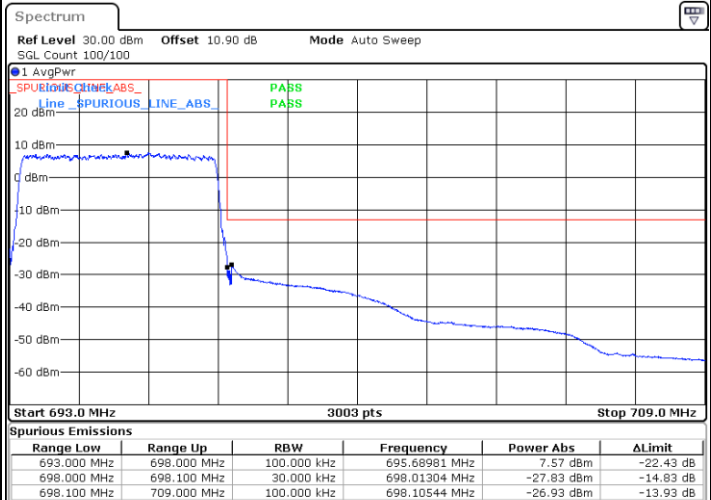
Date: 12.NOV.2024 14:55:25

Lowest Band Edge / Full RB



Date: 12.NOV.2024 14:50:50

Highest Band Edge / Full RB

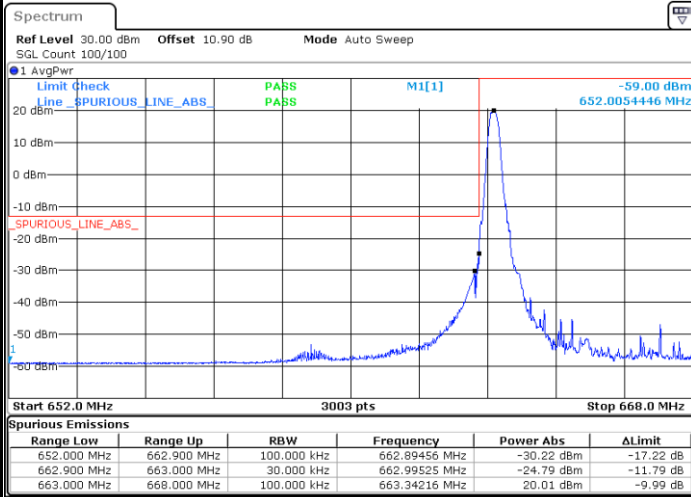


Date: 12.NOV.2024 15:03:33



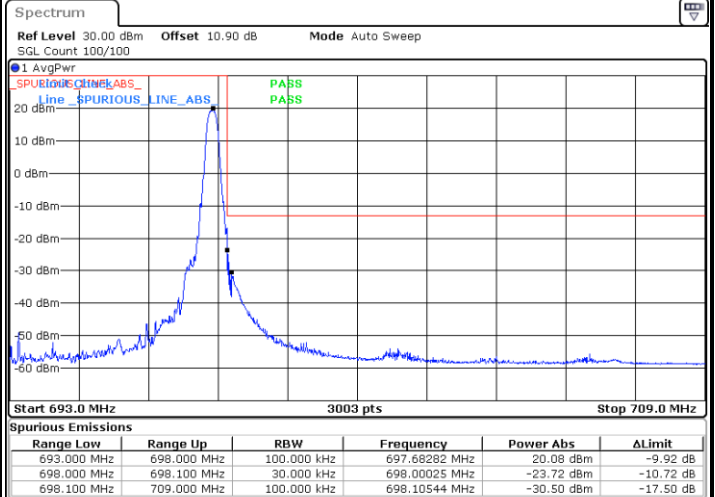
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1RB



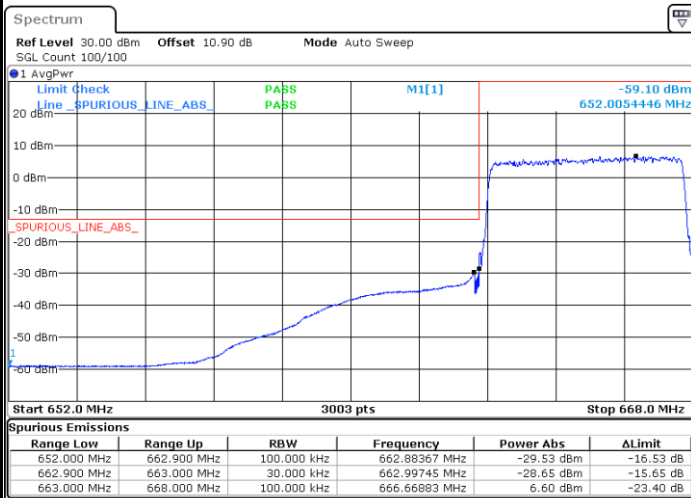
Date: 12.NOV.2024 14:34:49

Highest Band Edge / 1 RB



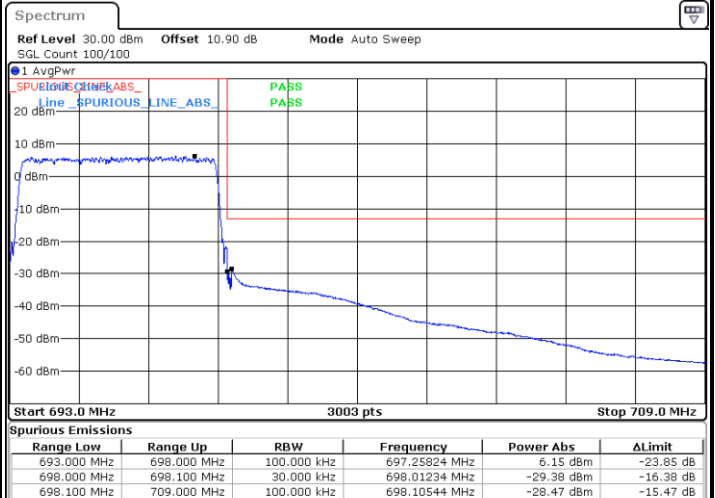
Date: 12.NOV.2024 14:56:33

Lowest Band Edge / Full RB



Date: 12.NOV.2024 14:51:58

Highest Band Edge / Full RB



Date: 12.NOV.2024 15:04:41