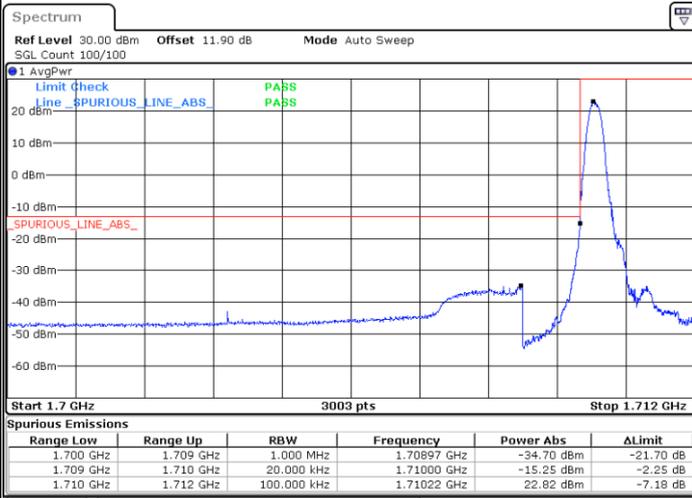




Conducted Band Edge

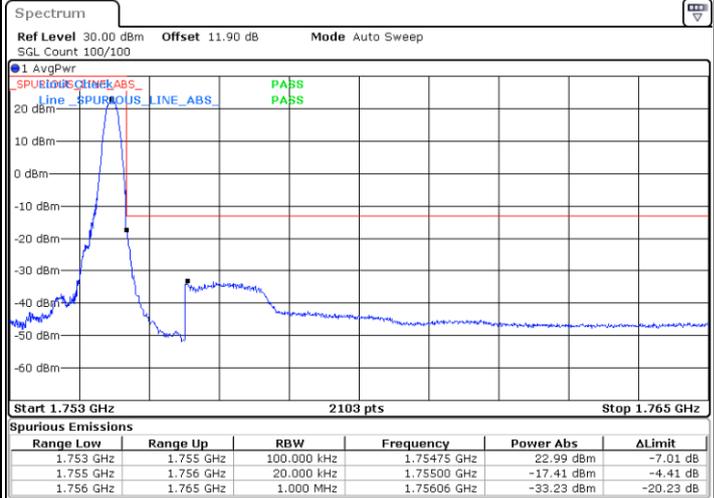
4G-LTE Band 66 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



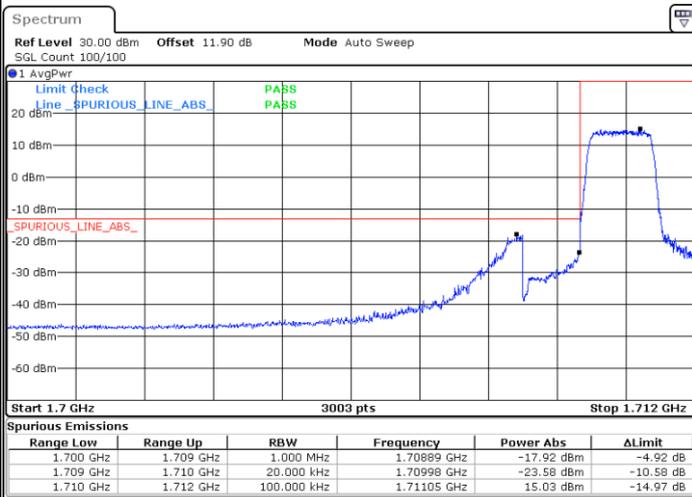
Date: 10.AUG.2023 11:51:30

Highest Band Edge / 1RB



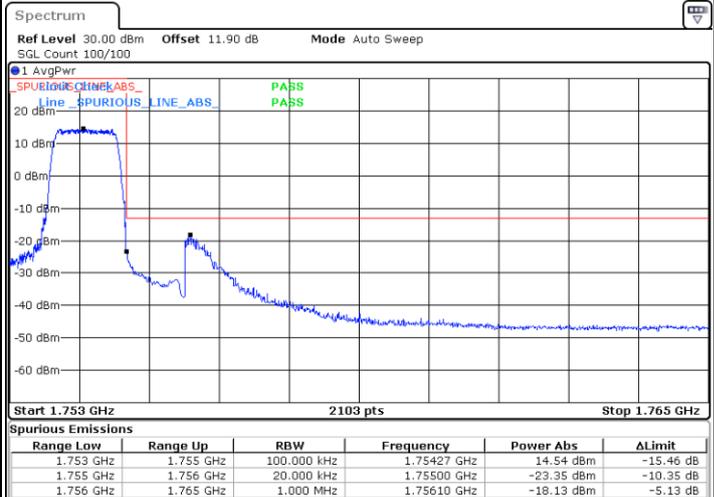
Date: 10.AUG.2023 12:00:01

Lowest Band Edge / Full RB



Date: 10.AUG.2023 11:53:30

Highest Band Edge / Full RB

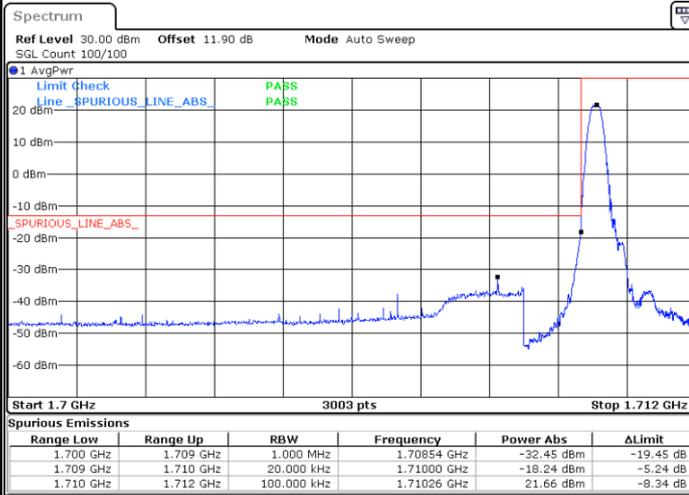


Date: 10.AUG.2023 12:02:06



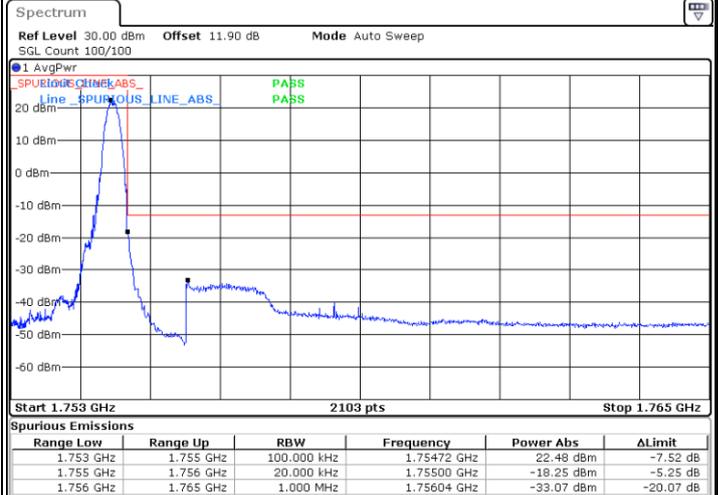
4G-LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



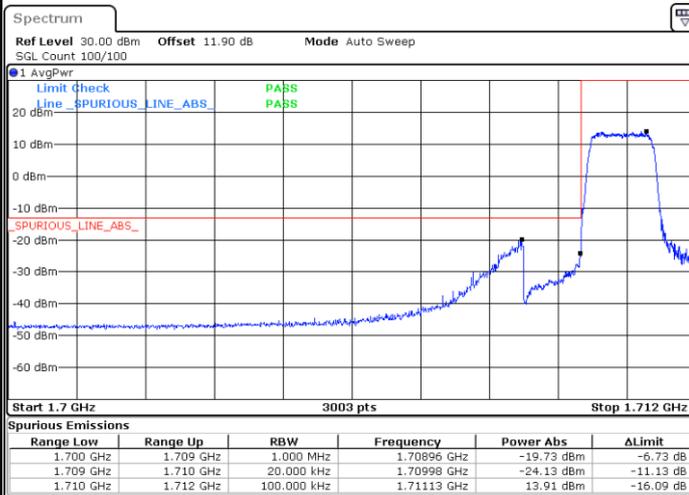
Date: 10.AUG.2023 11:52:30

Highest Band Edge / 1 RB



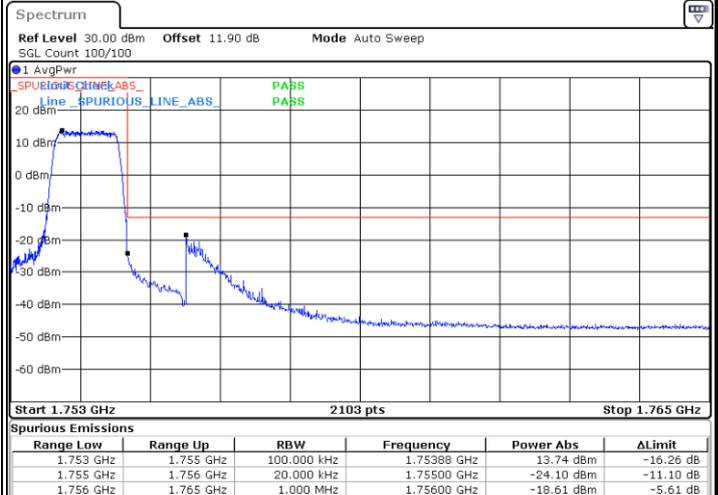
Date: 10.AUG.2023 12:01:02

Lowest Band Edge / Full RB



Date: 10.AUG.2023 11:54:30

Highest Band Edge / Full RB

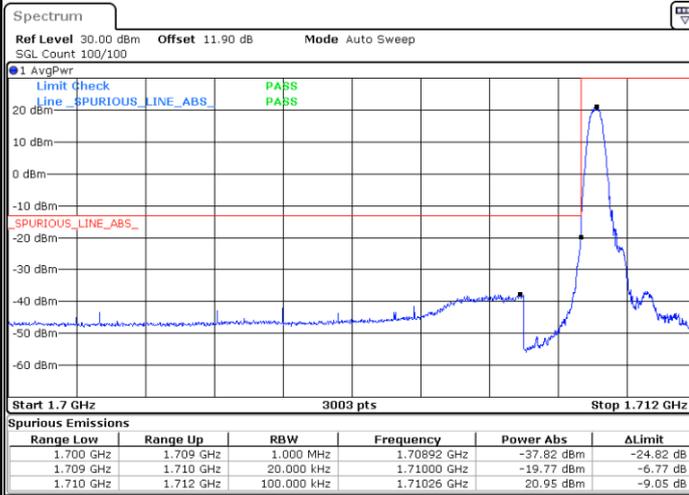


Date: 10.AUG.2023 12:03:04



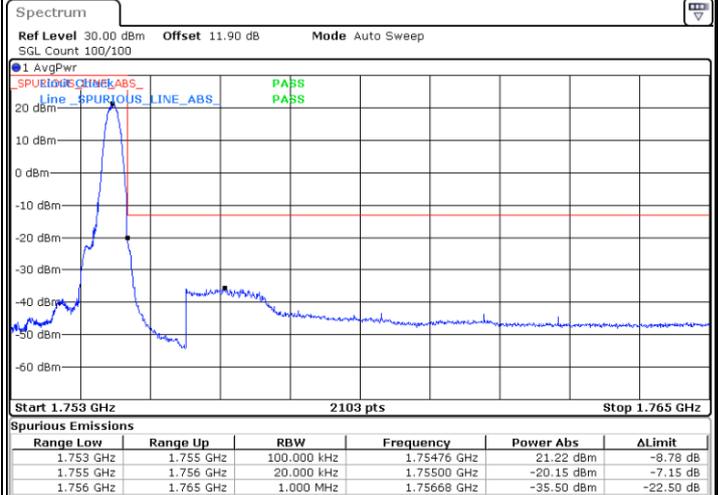
4G-LTE Band 66 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



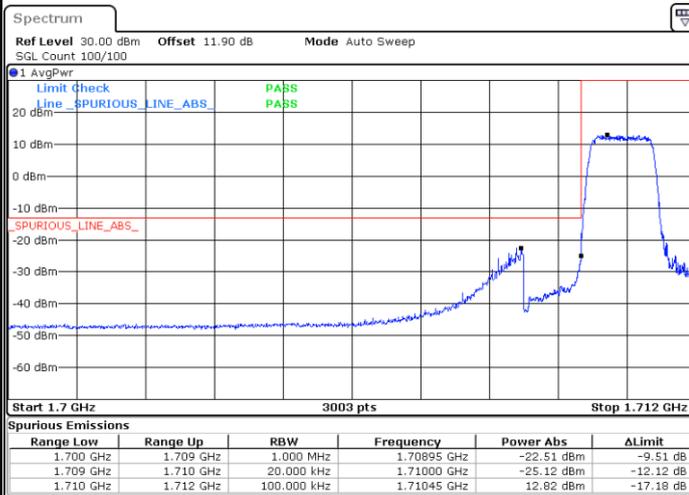
Date: 10.AUG.2023 12:05:19

Highest Band Edge / 1 RB



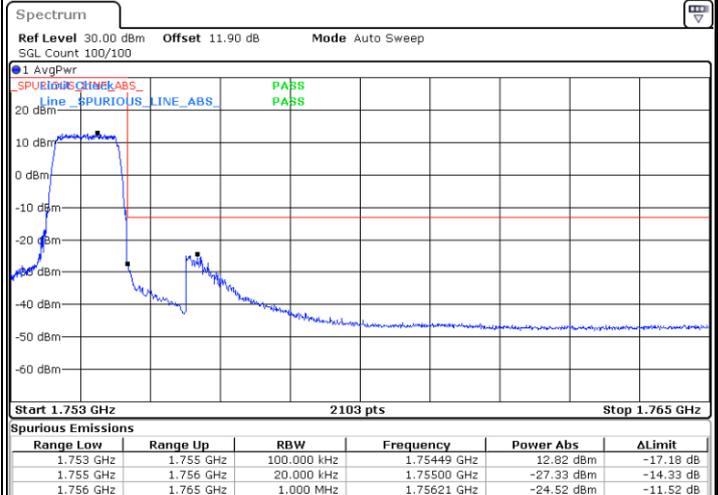
Date: 10.AUG.2023 12:10:00

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:06:19

Highest Band Edge / Full RB

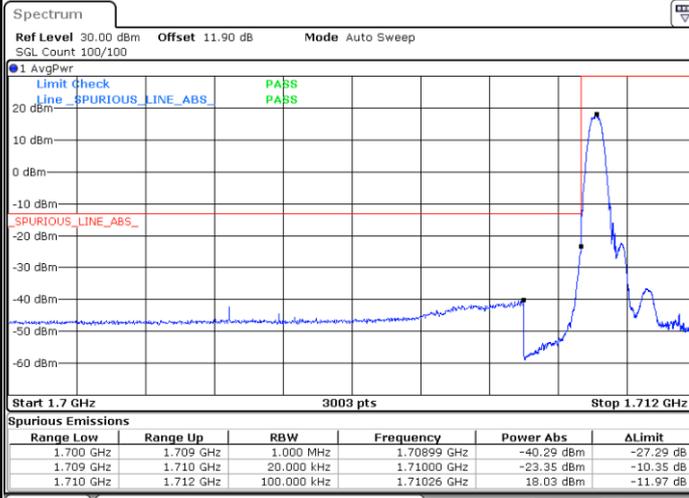


Date: 10.AUG.2023 12:11:03



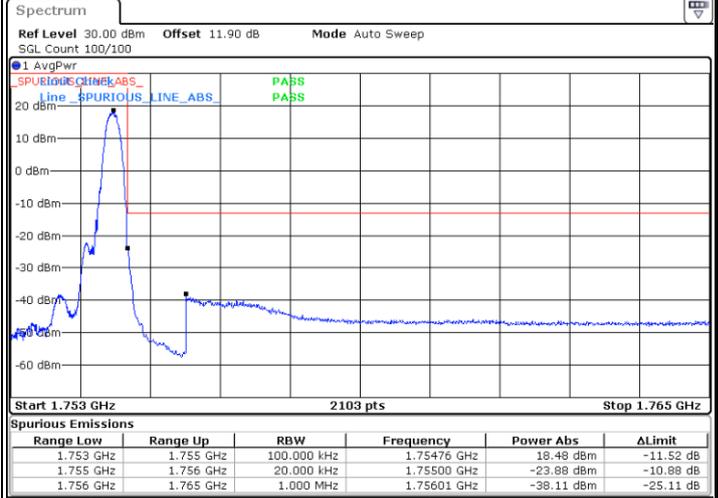
4G-LTE Band 66 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



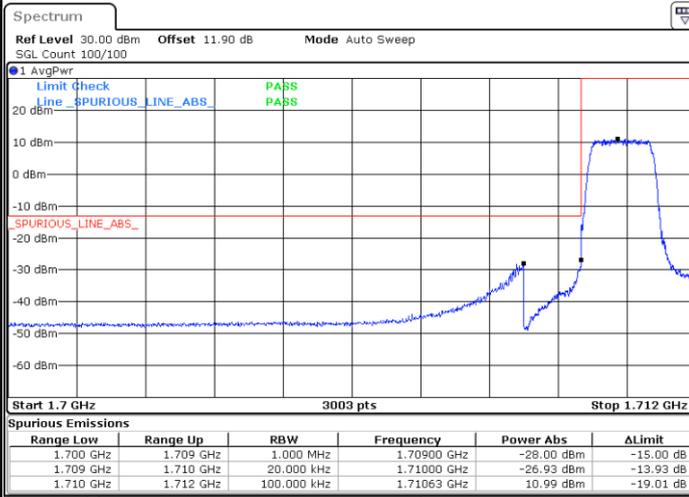
Date: 10.AUG.2023 17:58:12

Highest Band Edge / 1 RB



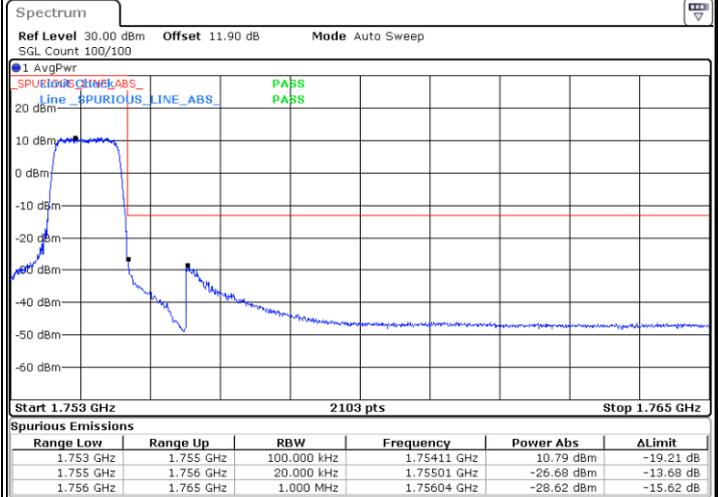
Date: 10.AUG.2023 18:01:03

Lowest Band Edge / Full RB



Date: 10.AUG.2023 17:59:15

Highest Band Edge / Full RB



Date: 10.AUG.2023 18:02:05



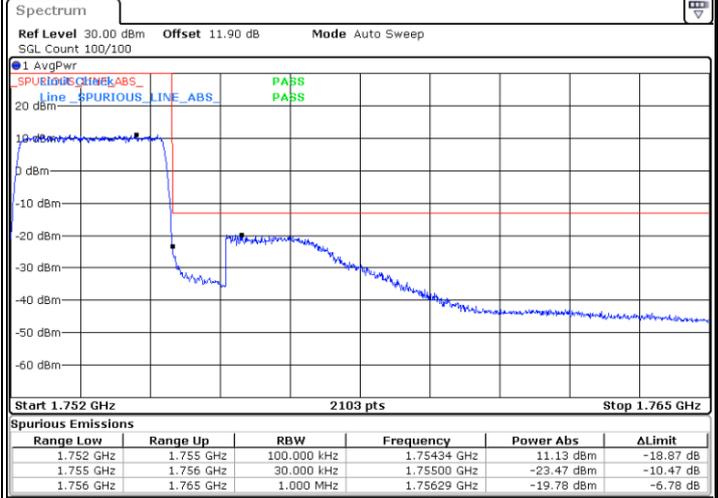
4G-LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:12:13

Highest Band Edge / Full RB



Date: 10.AUG.2023 12:16:27

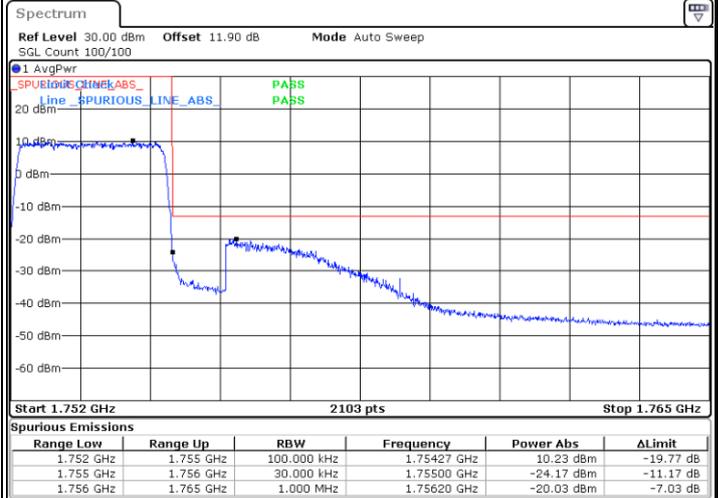
4G-LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:13:13

Highest Band Edge / Full RB



Date: 10.AUG.2023 12:17:26

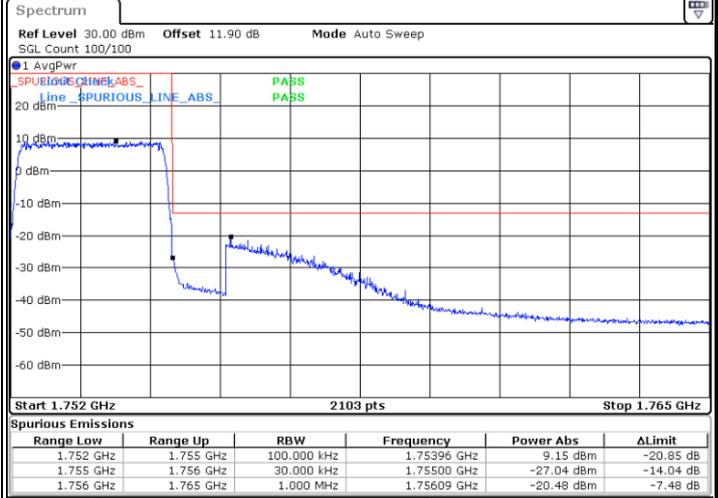


4G-LTE Band 66 / 3MHz / 64QAM

Lowest Band Edge / Full RB

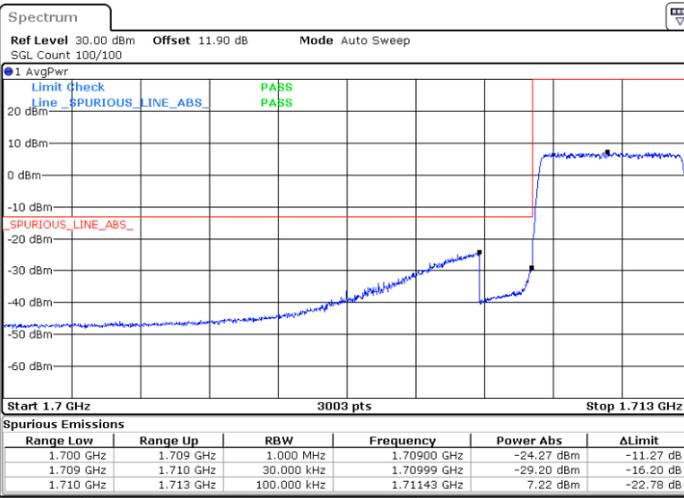


Highest Band Edge / Full RB

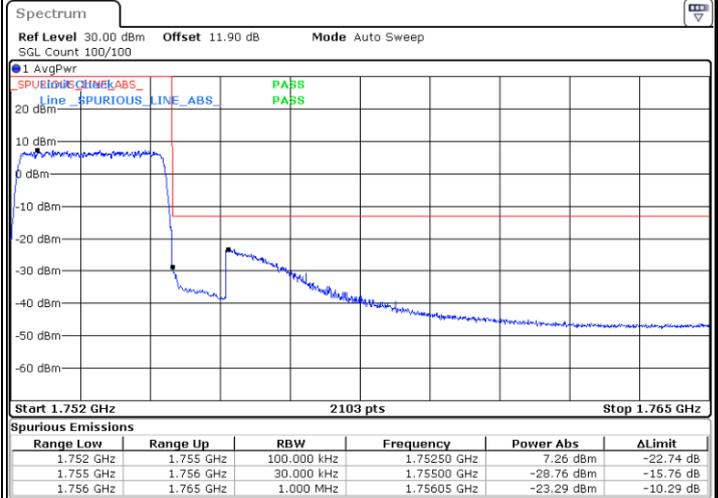


4G-LTE Band 66 / 3MHz / 256QAM

Lowest Band Edge / Full RB



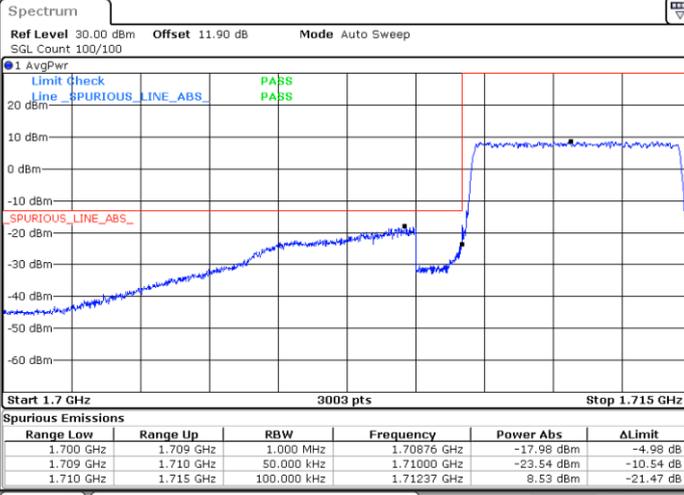
Highest Band Edge / Full RB





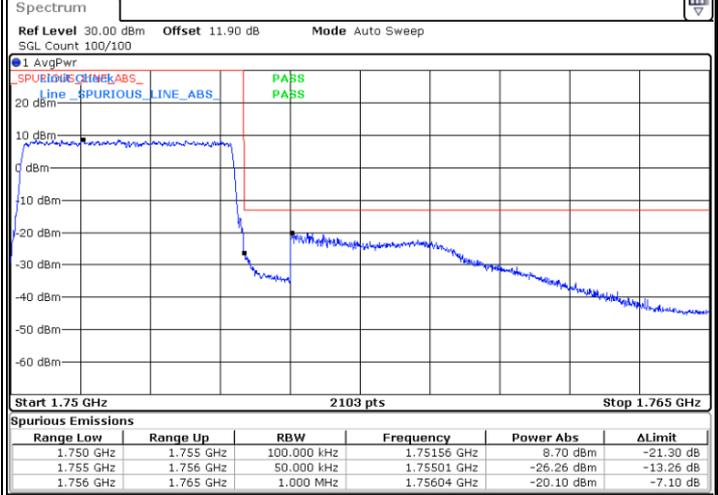
4G-LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:26:11

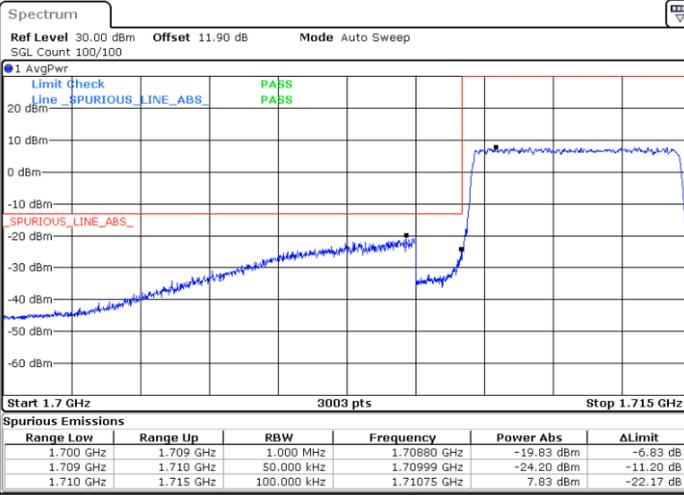
Highest Band Edge / Full RB



Date: 10.AUG.2023 12:30:25

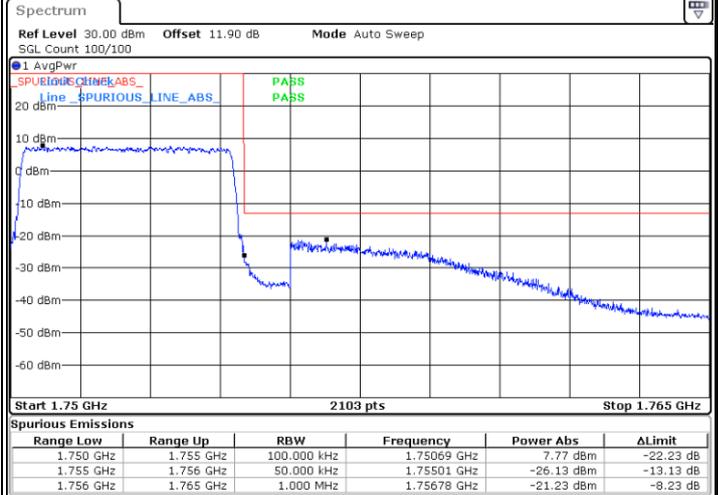
4G-LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:27:15

Highest Band Edge / Full RB

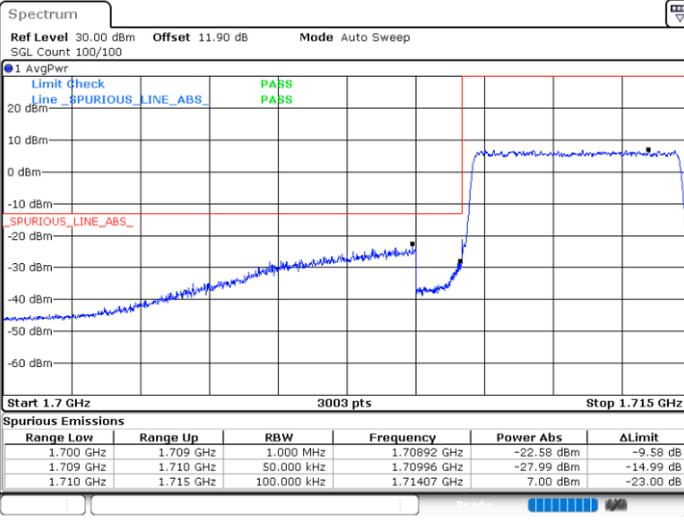


Date: 10.AUG.2023 12:31:28



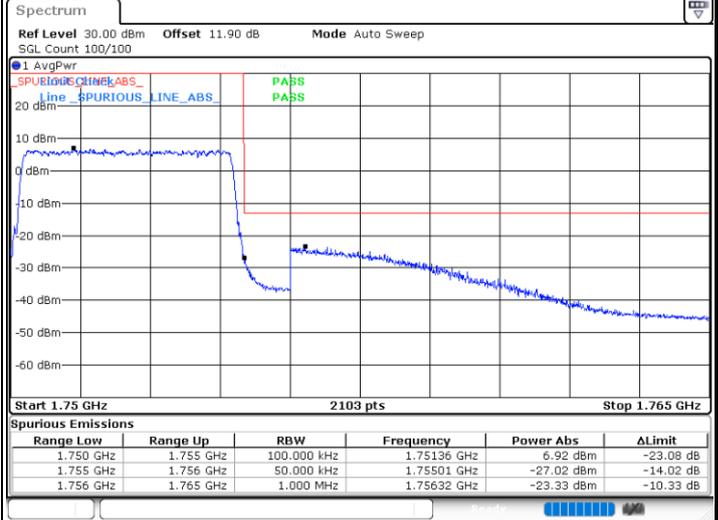
4G-LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:21:31

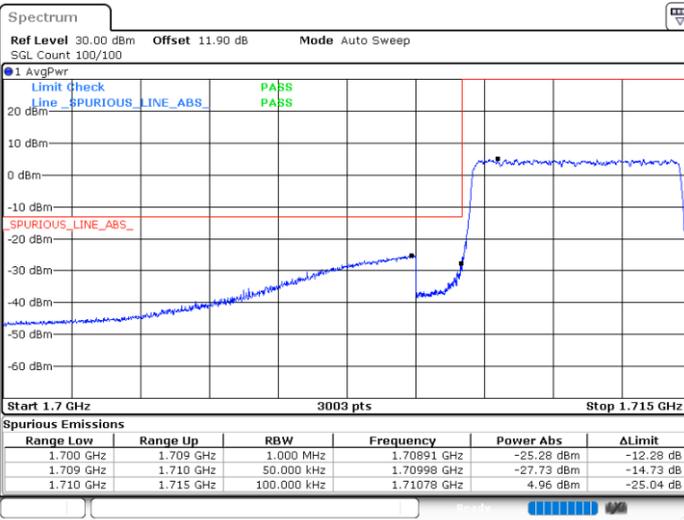
Highest Band Edge / Full RB



Date: 10.AUG.2023 12:25:12

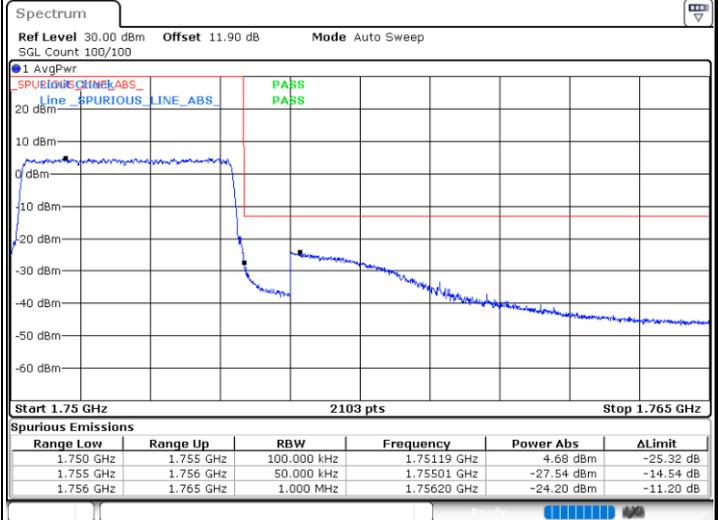
4G-LTE Band 66 / 5MHz / 256QAM

Lowest Band Edge / Full RB



Date: 10.AUG.2023 18:17:13

Highest Band Edge / Full RB

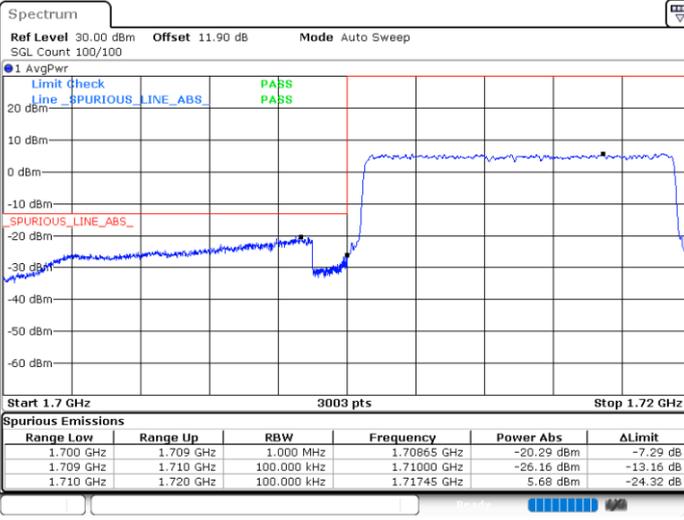


Date: 10.AUG.2023 18:21:00



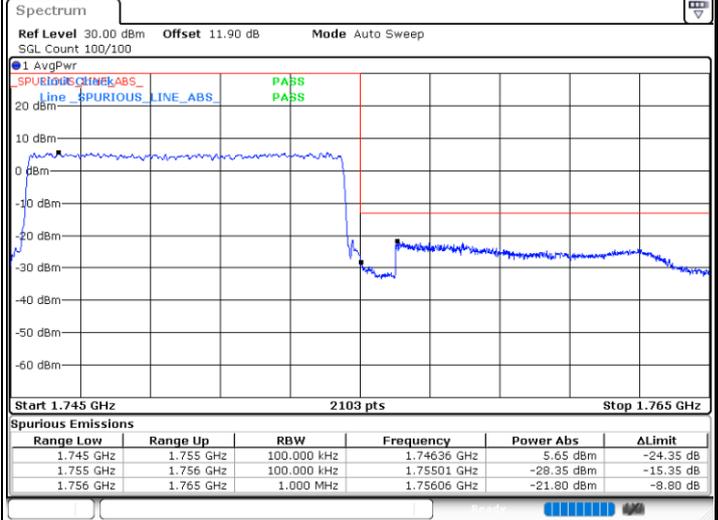
4G-LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:32:52

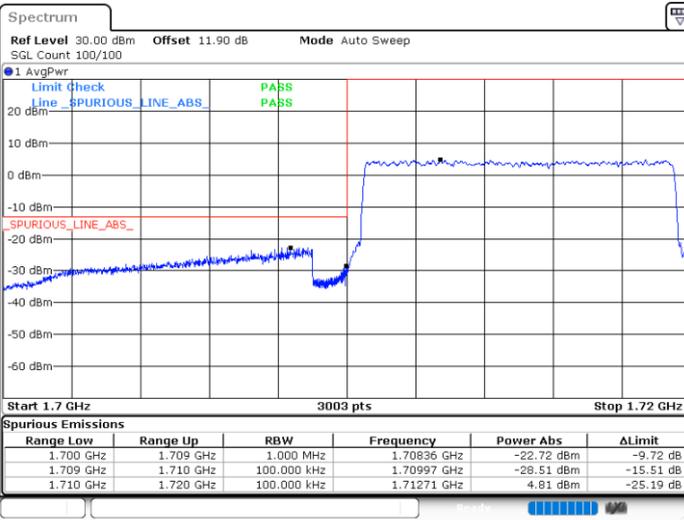
Highest Band Edge / Full RB



Date: 10.AUG.2023 12:37:06

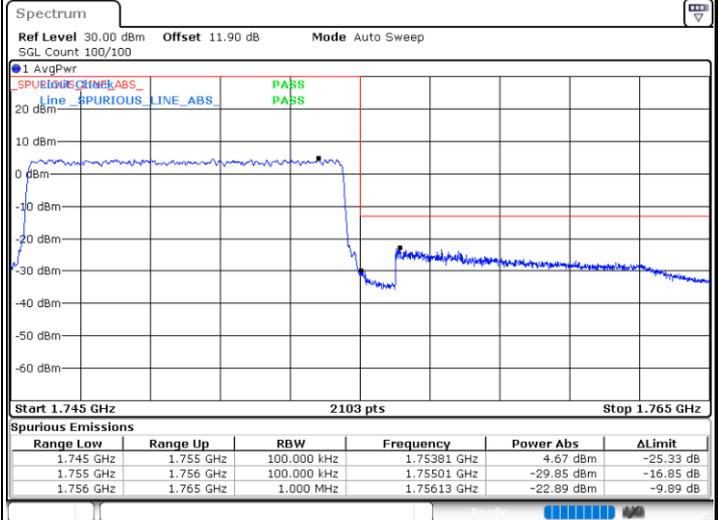
4G-LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:33:57

Highest Band Edge / Full RB

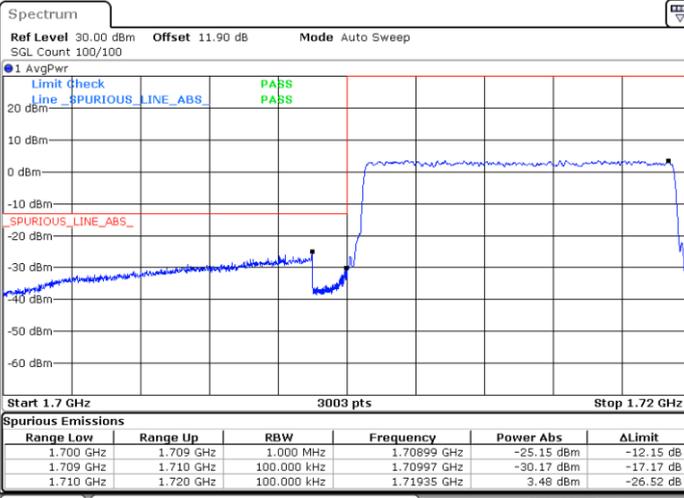


Date: 10.AUG.2023 12:38:09



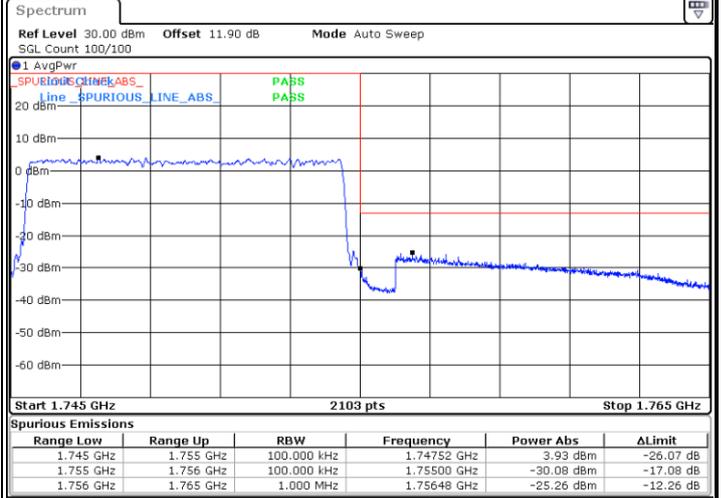
4G-LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:39:14

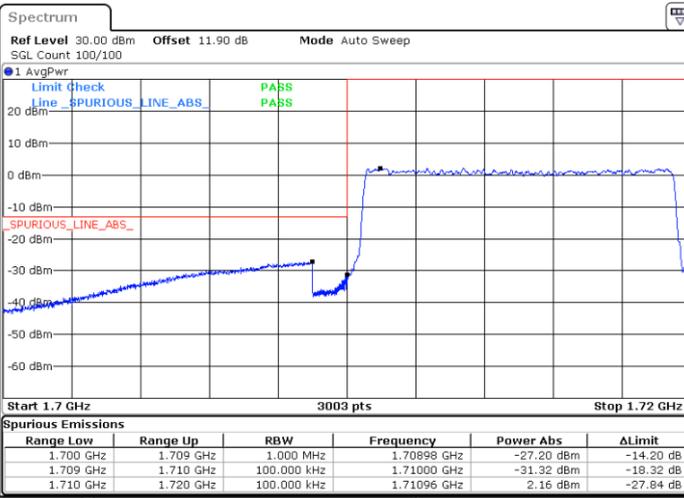
Highest Band Edge / Full RB



Date: 10.AUG.2023 12:42:54

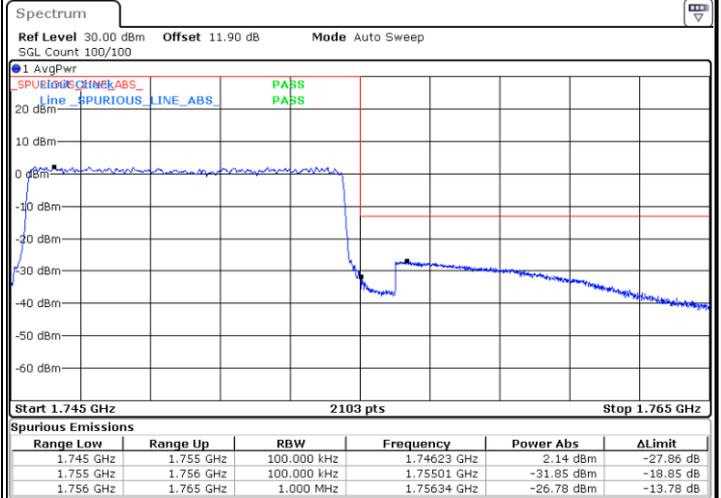
4G-LTE Band 66 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 10.AUG.2023 18:22:06

Highest Band Edge / Full RB

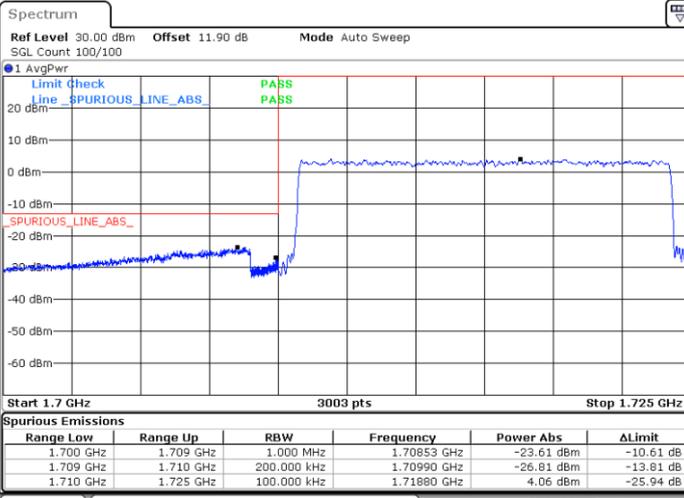


Date: 10.AUG.2023 18:23:53



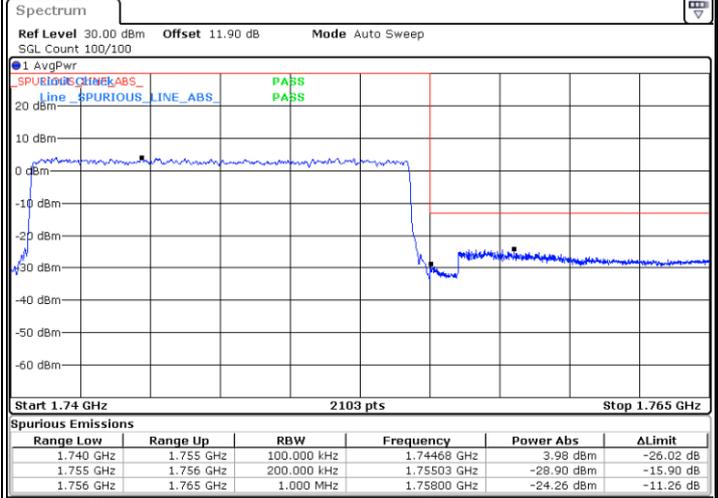
4G-LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:48:44

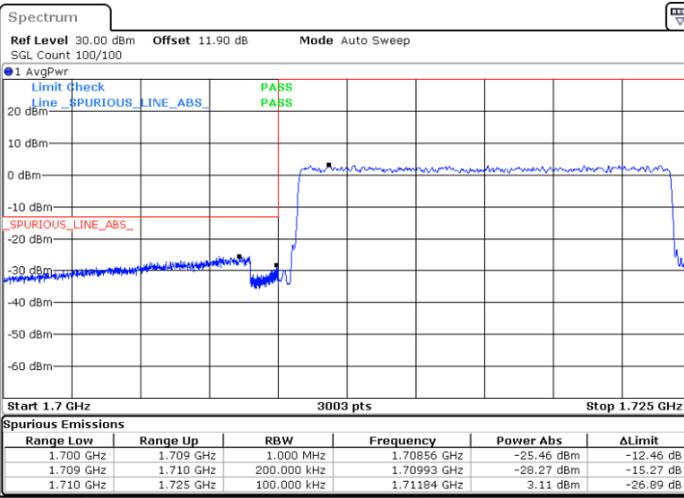
Highest Band Edge / Full RB



Date: 10.AUG.2023 12:52:58

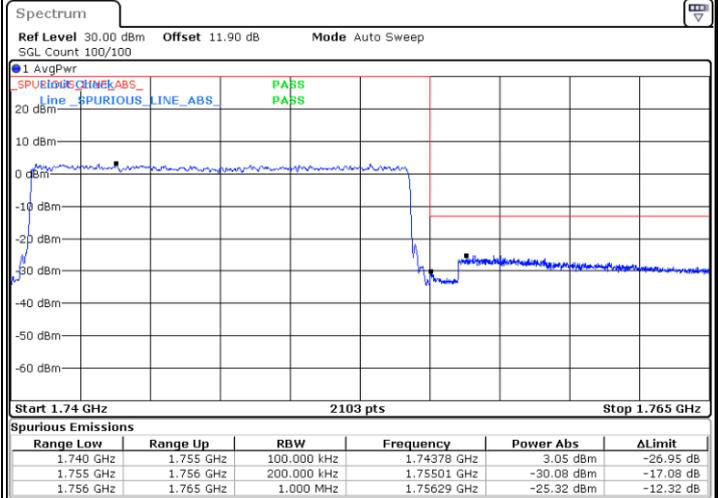
4G-LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:49:48

Highest Band Edge / Full RB

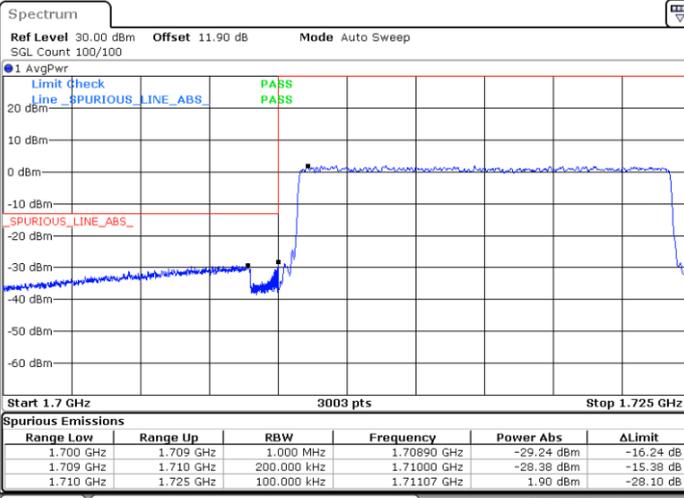


Date: 10.AUG.2023 12:54:01



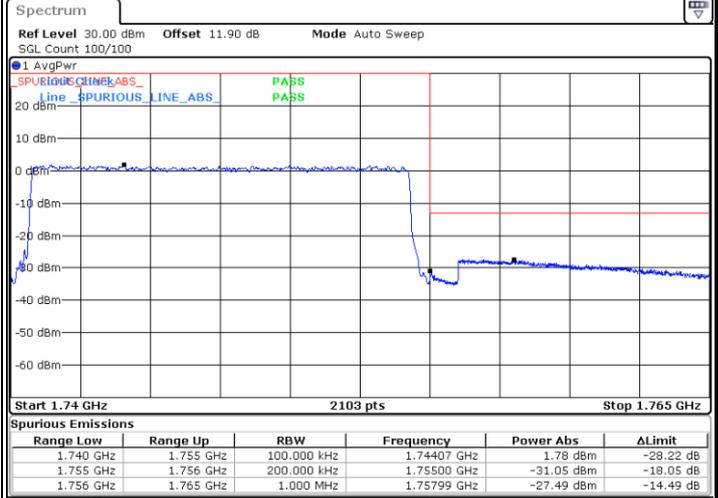
4G-LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:43:59

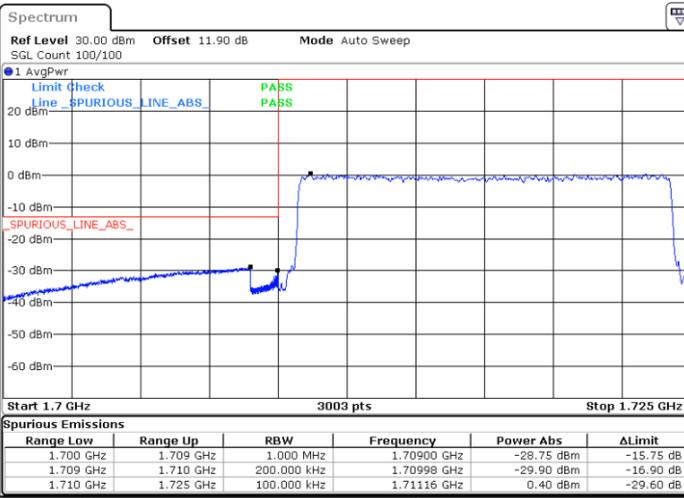
Highest Band Edge / Full RB



Date: 10.AUG.2023 12:47:40

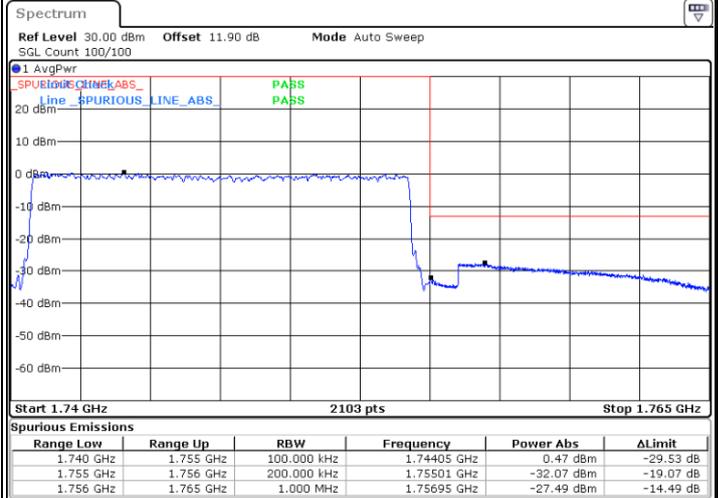
4G-LTE Band 66 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 10.AUG.2023 18:24:58

Highest Band Edge / Full RB

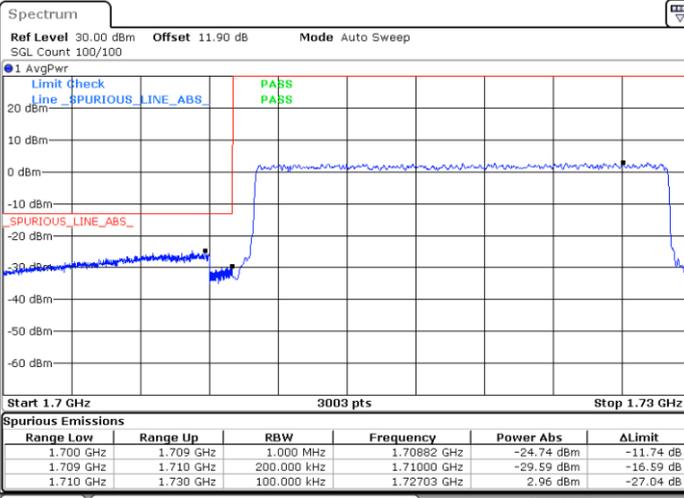


Date: 10.AUG.2023 18:26:47



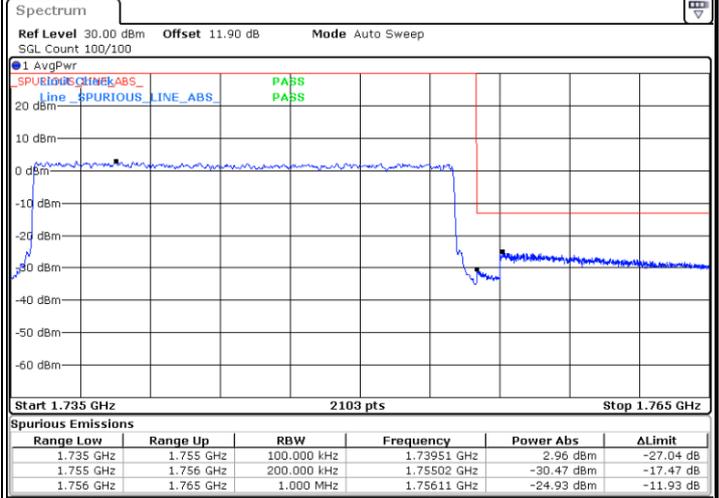
4G-LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:57:14

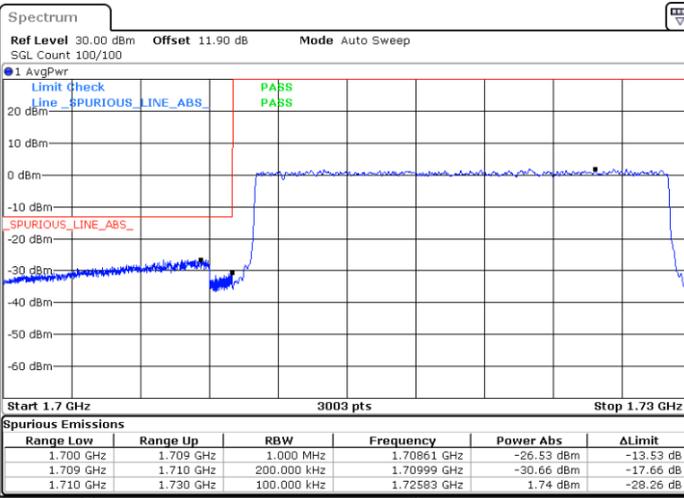
Highest Band Edge / Full RB



Date: 10.AUG.2023 13:01:29

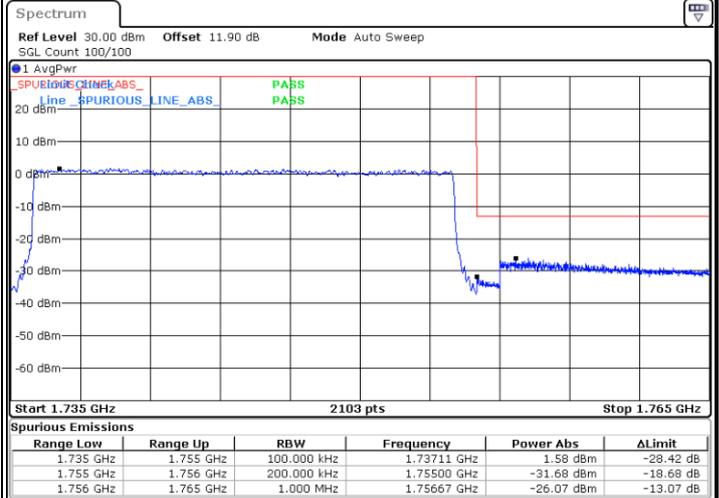
4G-LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 10.AUG.2023 12:58:19

Highest Band Edge / Full RB

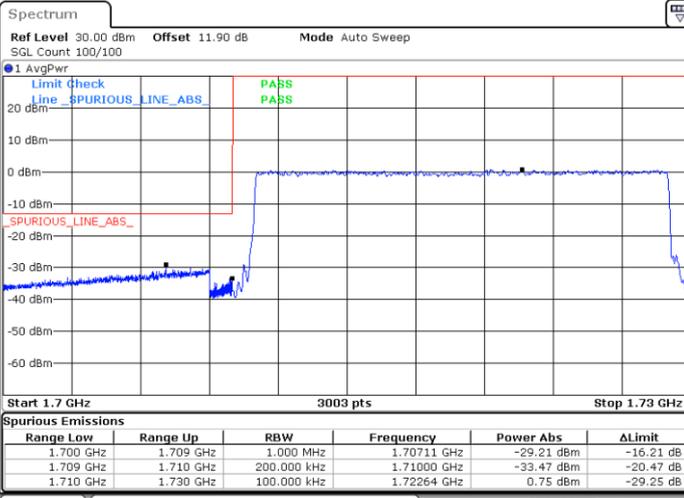


Date: 10.AUG.2023 13:02:32



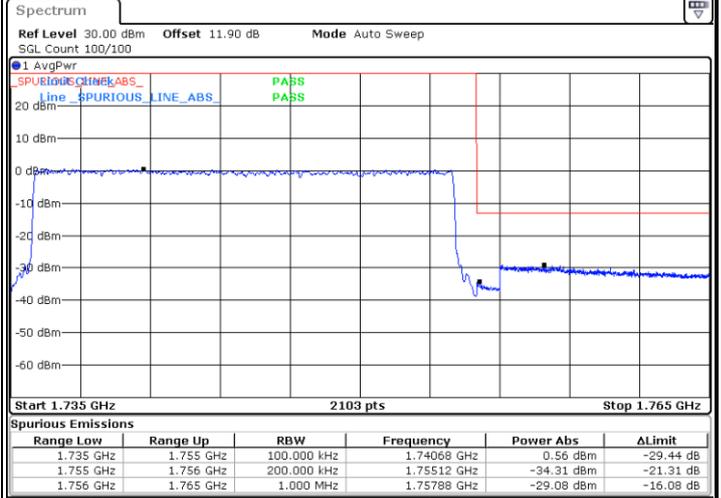
4G-LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 10.AUG.2023 13:03:32

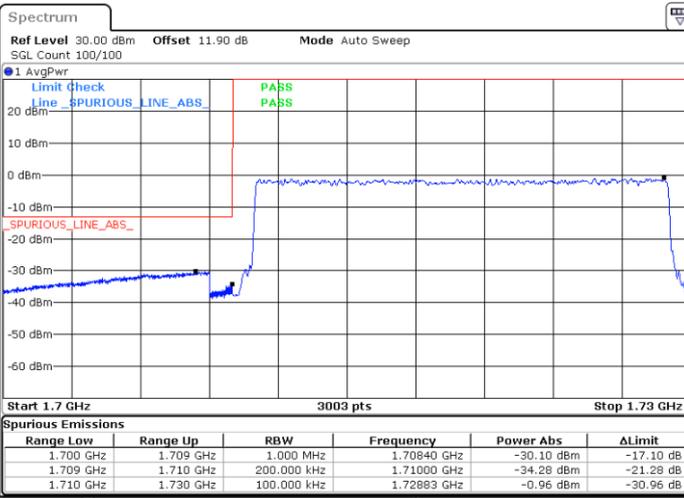
Highest Band Edge / Full RB



Date: 10.AUG.2023 13:07:12

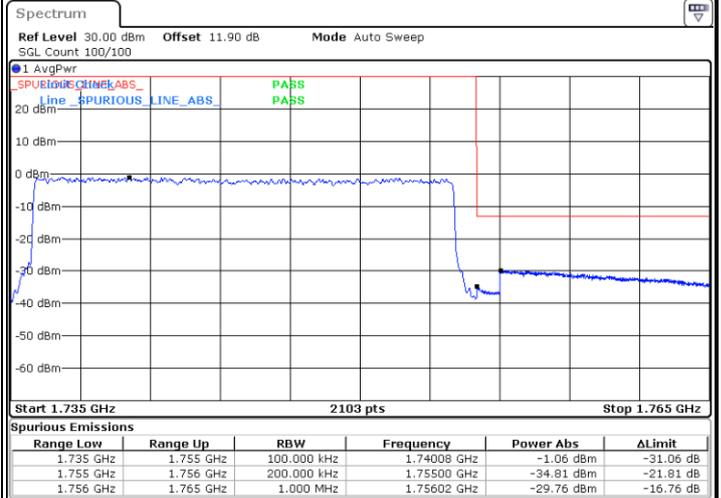
4G-LTE Band 66 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 10.AUG.2023 18:27:52

Highest Band Edge / Full RB



Date: 10.AUG.2023 18:29:41

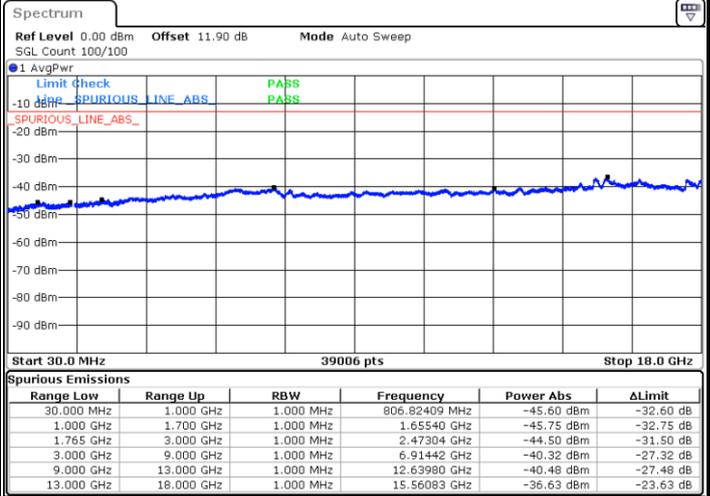
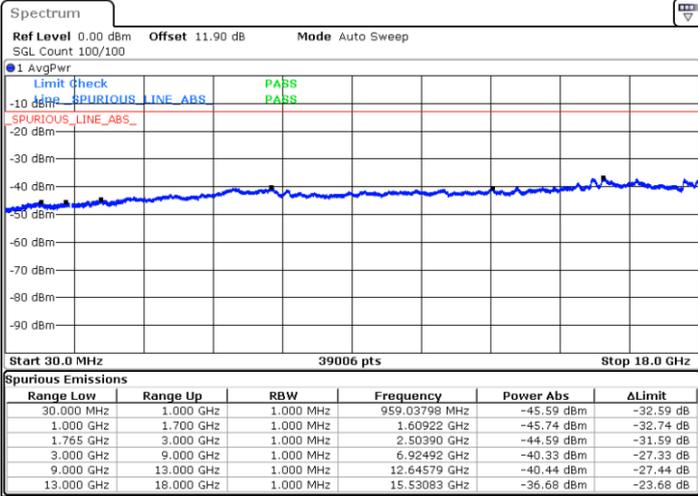


Conducted Spurious Emission

4G-LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

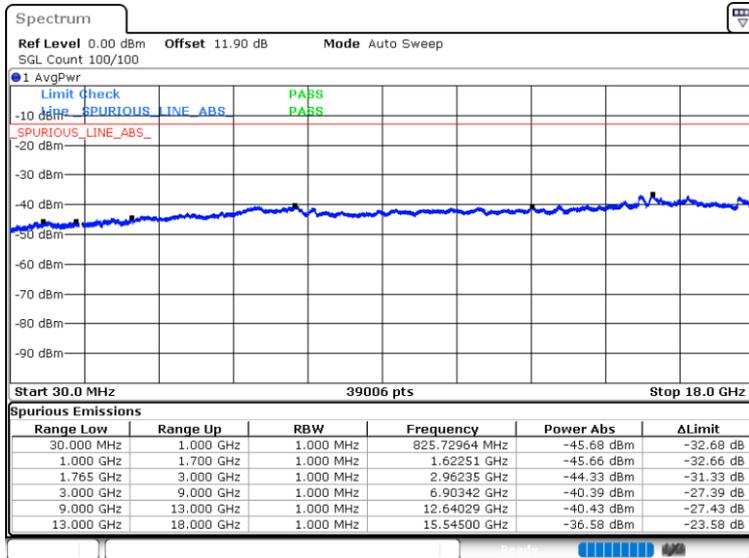
Middle Channel / QPSK



Date: 10.AUG.2023 11:55:41

Date: 10.AUG.2023 11:59:03

Highest Channel / QPSK



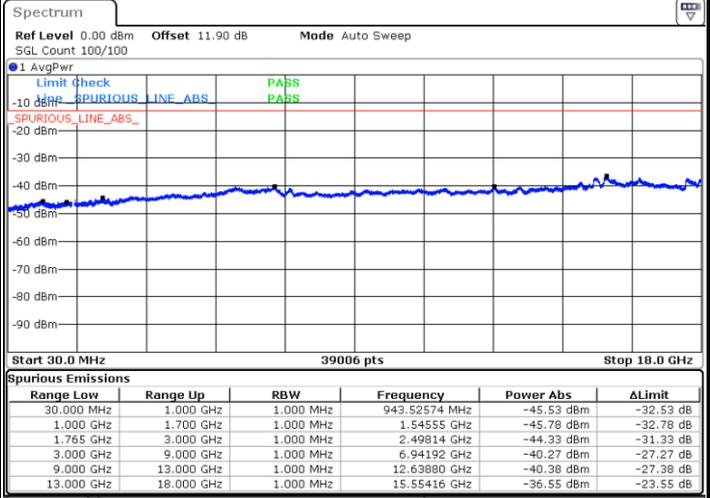
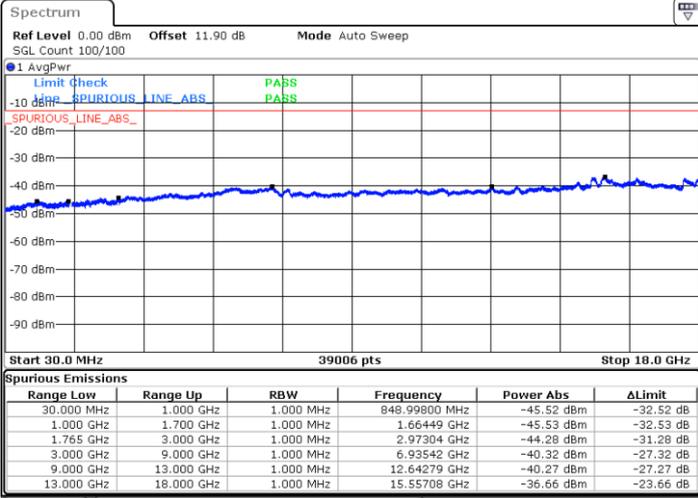
Date: 10.AUG.2023 12:04:18



4G-LTE Band 66 / 3MHz

Lowest Channel / QPSK

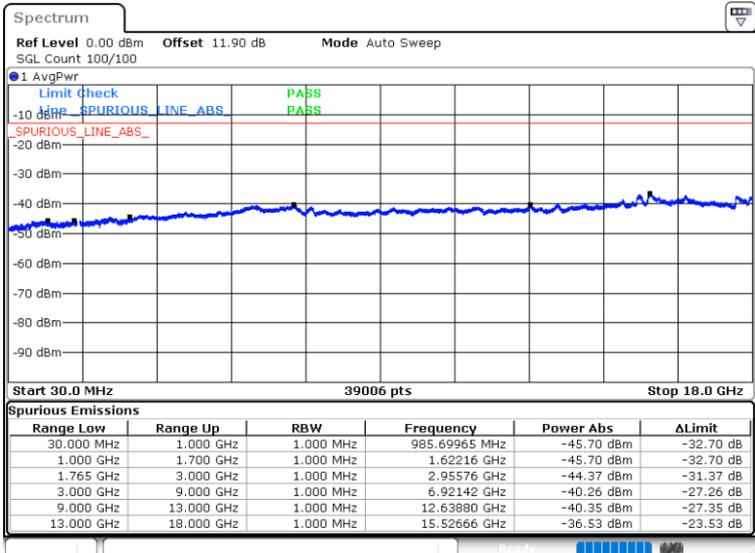
Middle Channel / QPSK



Date: 10.AUG.2023 18:31:29

Date: 10.AUG.2023 18:32:37

Highest Channel / QPSK



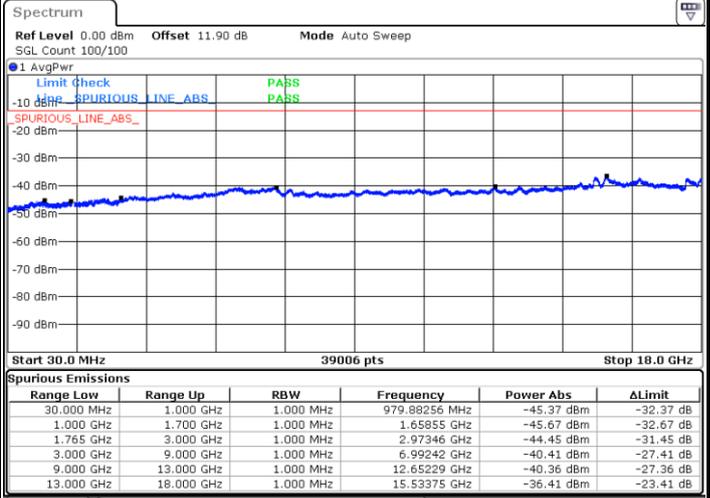
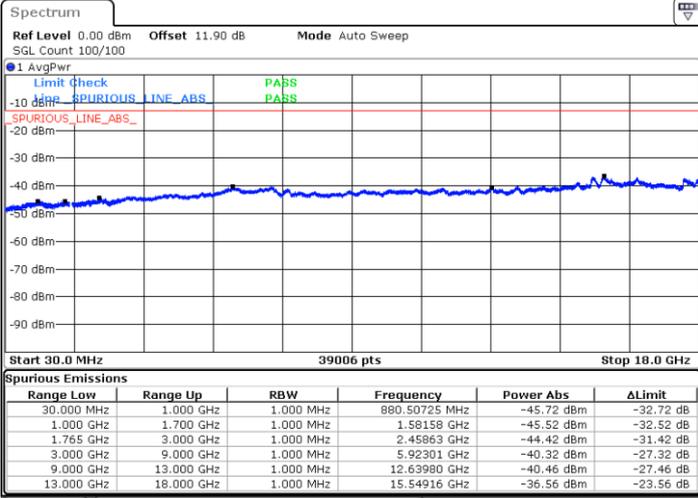
Date: 10.AUG.2023 18:33:46



4G-LTE Band 66 / 5MHz

Lowest Channel / QPSK

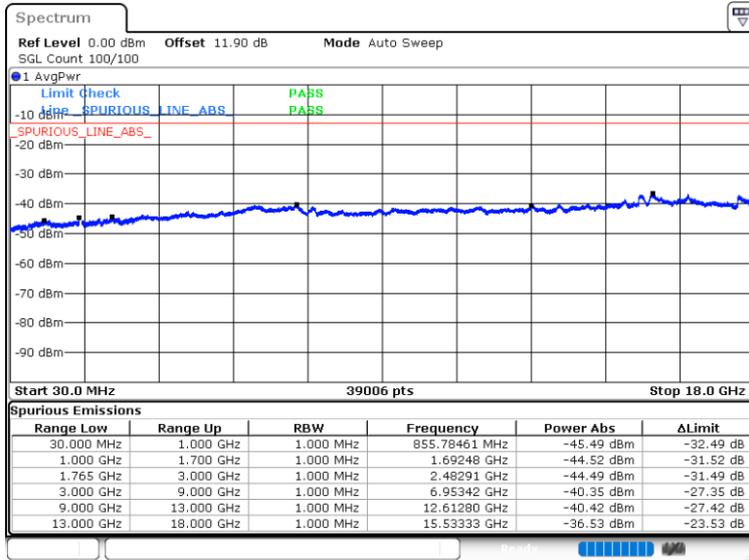
Middle Channel / QPSK



Date: 10.AUG.2023 18:35:00

Date: 10.AUG.2023 18:36:09

Highest Channel / QPSK



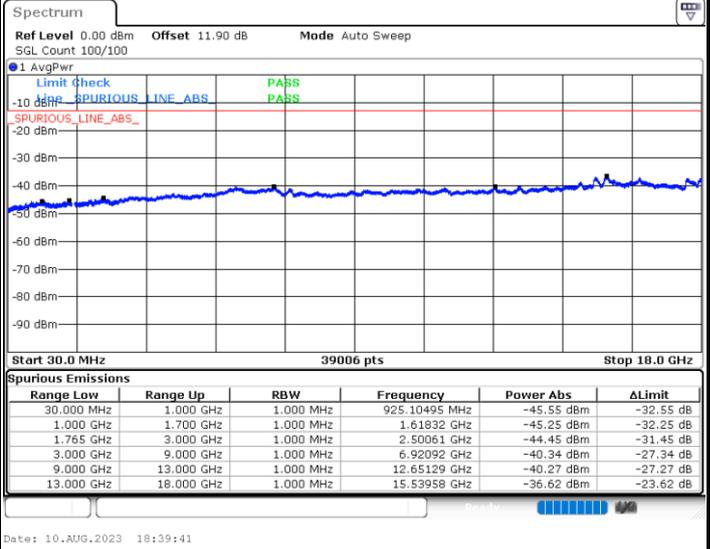
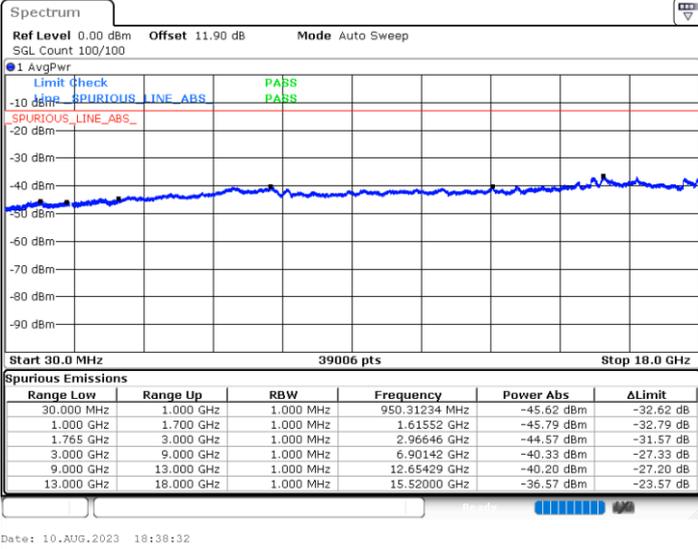
Date: 10.AUG.2023 18:37:18



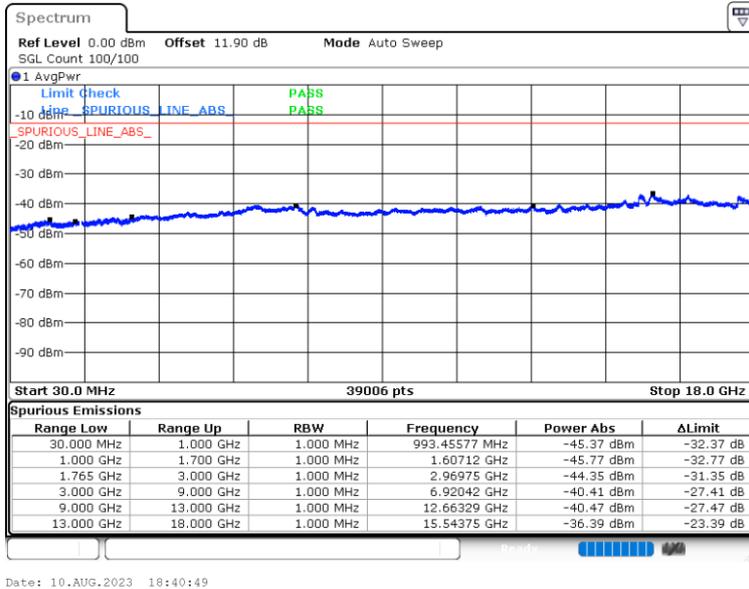
4G-LTE Band 66 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

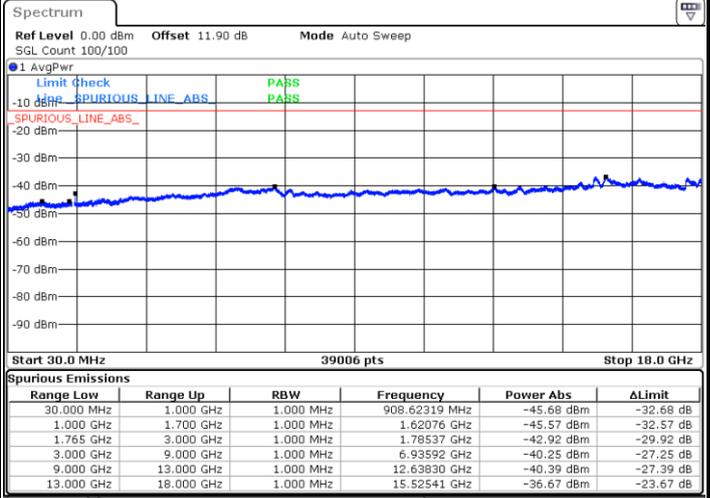
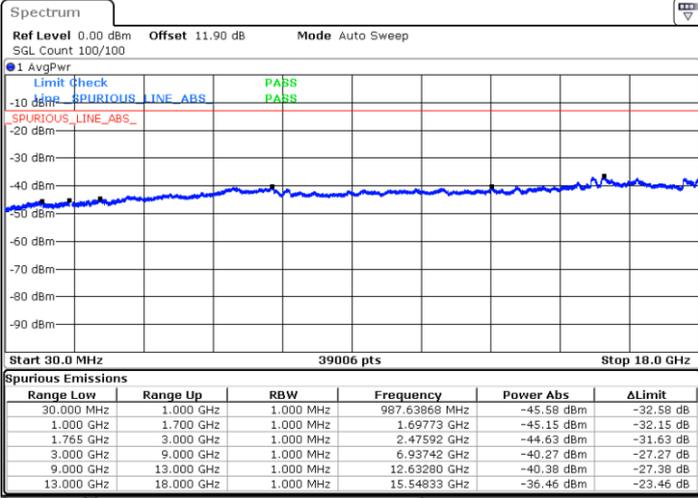




4G-LTE Band 66 / 15MHz

Lowest Channel / QPSK

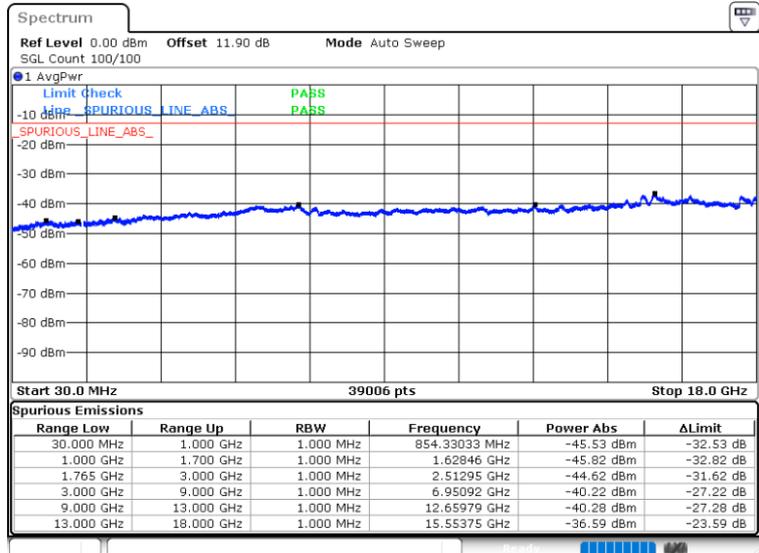
Middle Channel / QPSK



Date: 10.AUG.2023 18:42:03

Date: 10.AUG.2023 18:43:12

Highest Channel / QPSK



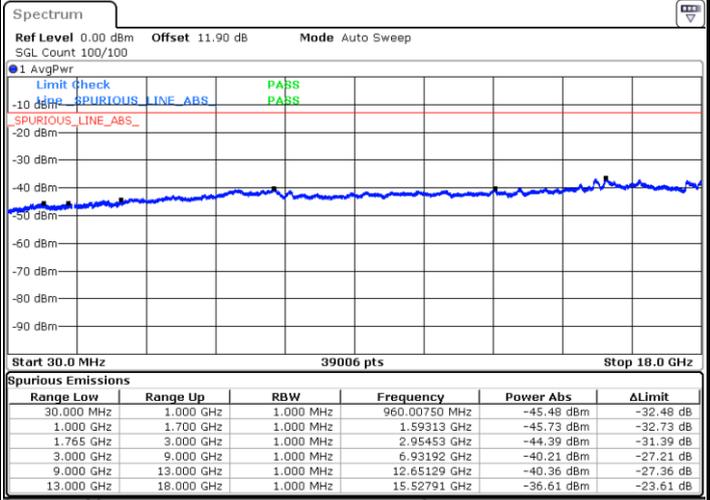
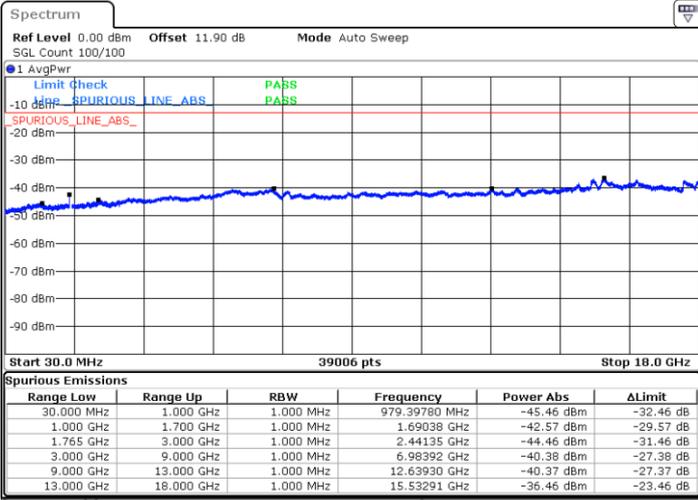
Date: 10.AUG.2023 18:44:20



4G-LTE Band 66 / 20MHz

Lowest Channel / QPSK

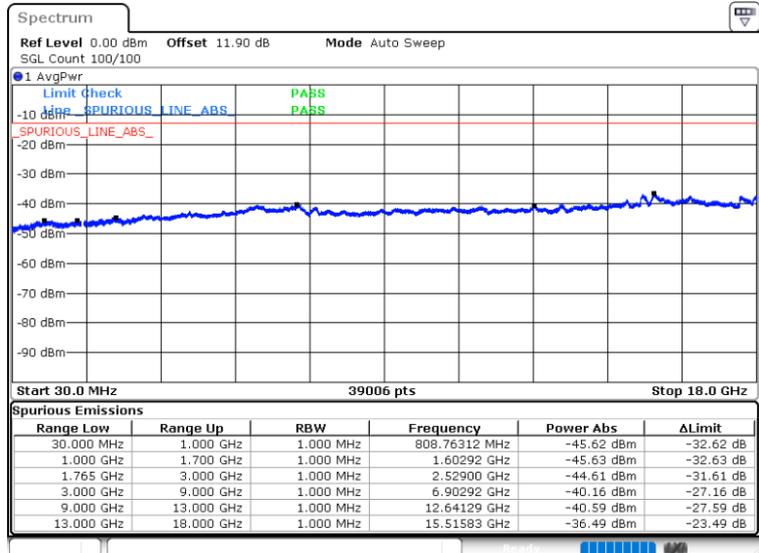
Middle Channel / QPSK



Date: 10.AUG.2023 18:45:34

Date: 10.AUG.2023 18:46:43

Highest Channel / QPSK



Date: 10.AUG.2023 18:47:51



Frequency Stability

Test Conditions		4G-LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0101	PASS
40	Normal Voltage	0.0084	
30	Normal Voltage	0.0064	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0088	
0	Normal Voltage	0.0099	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0039	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0016	

Note:

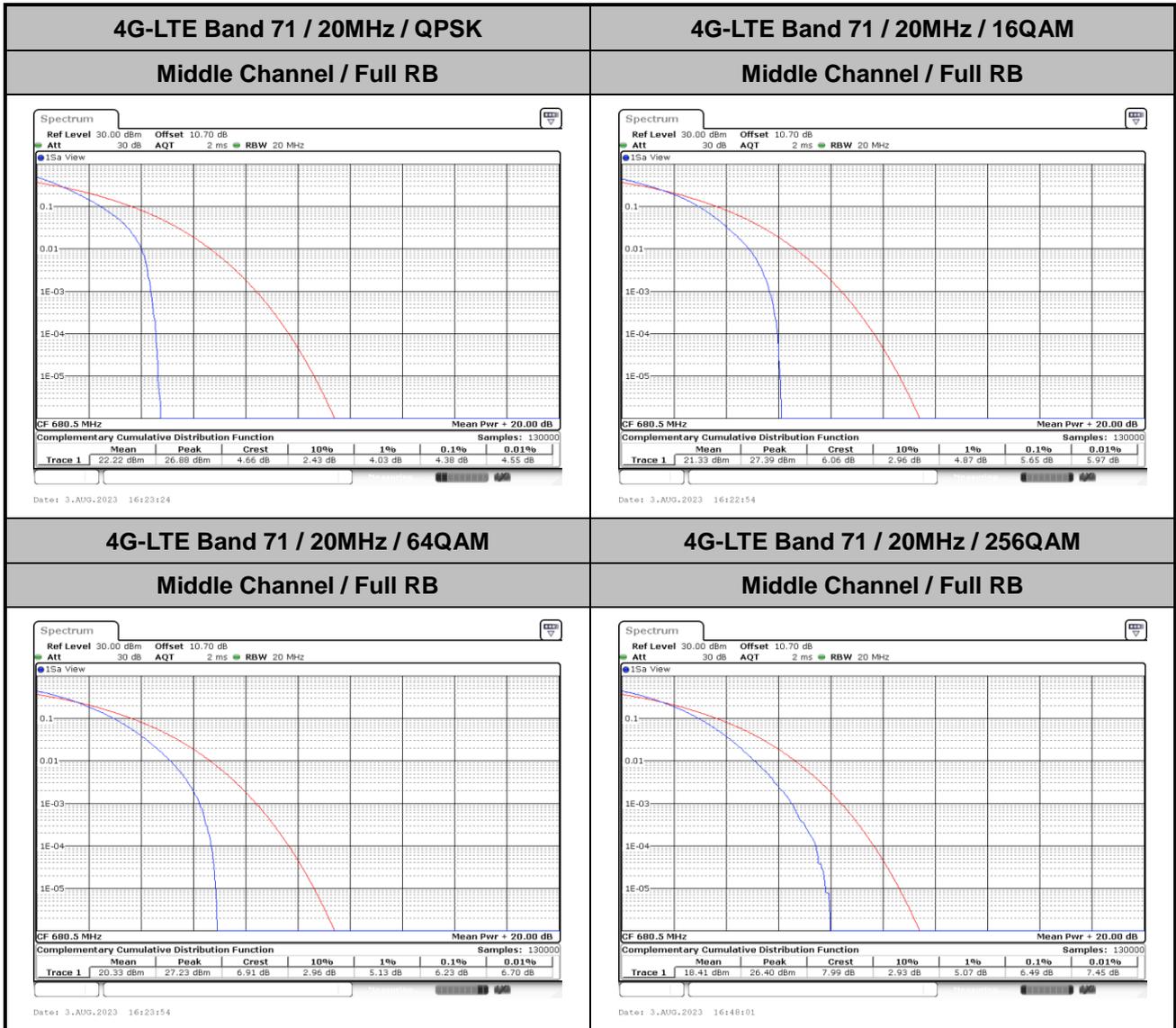
- 1. Normal Voltage = 48 V. ; Minimum Voltage = 42.5 V. ; Maximum Voltage = 57 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



4G-LTE Band 71

Peak-to-Average Ratio

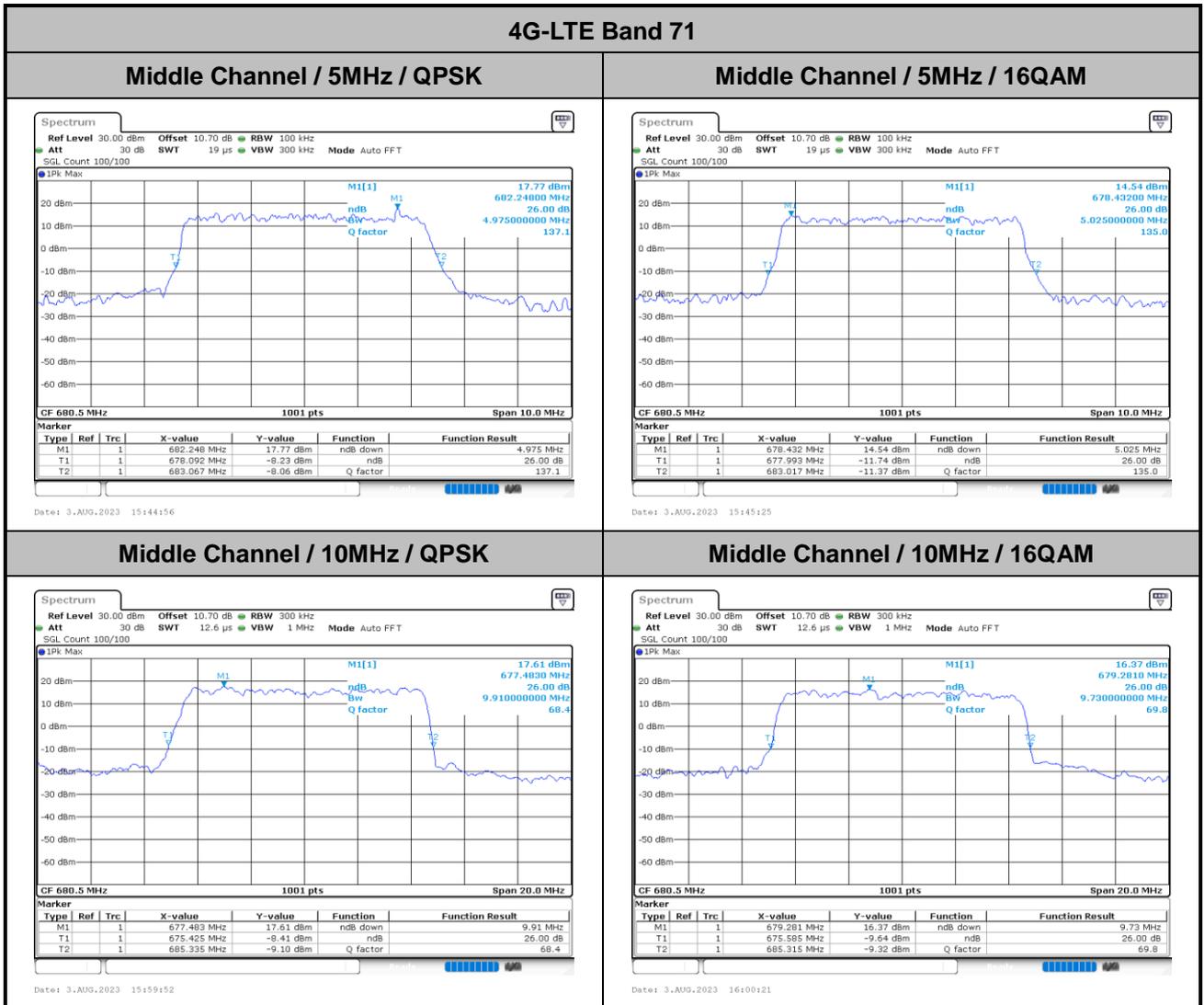
Mode	4G-LTE Band 71 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.38	5.65	6.23	6.49	PASS





26dB Bandwidth

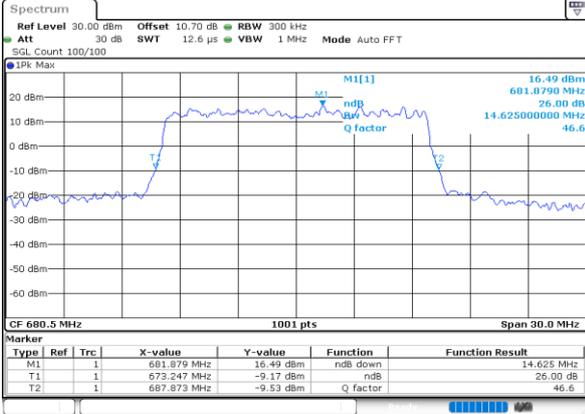
Mode	4G-LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.98	5.03	9.91	9.73	14.63	14.63	19.34	18.90
Mode	4G-LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	5.00	5.12	9.69	9.93	14.57	14.54	19.18	18.70





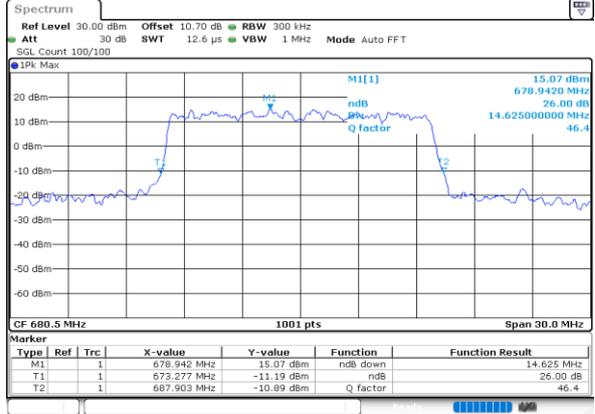
4G-LTE Band 71

Middle Channel / 15MHz / QPSK



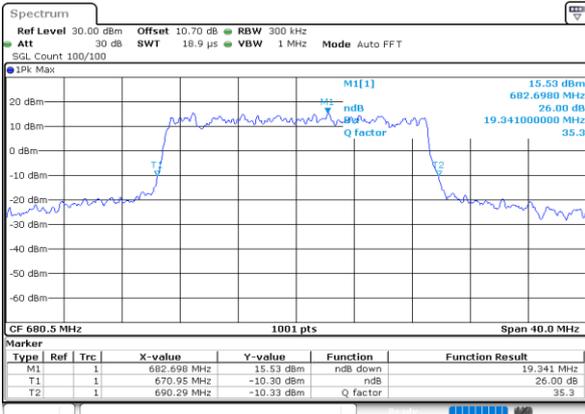
Date: 3.AUG.2023 16:08:32

Middle Channel / 15MHz / 16QAM



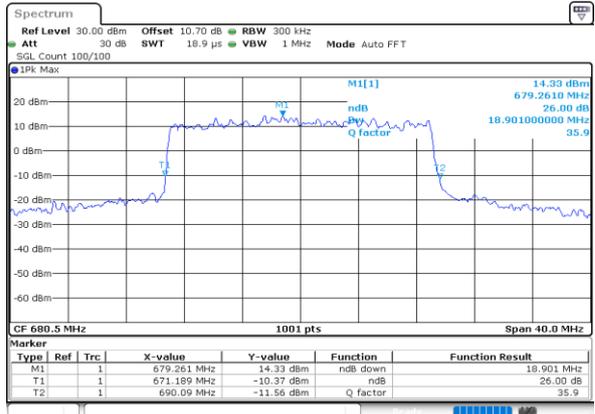
Date: 3.AUG.2023 16:09:01

Middle Channel / 20MHz / QPSK



Date: 3.AUG.2023 16:11:13

Middle Channel / 20MHz / 16QAM

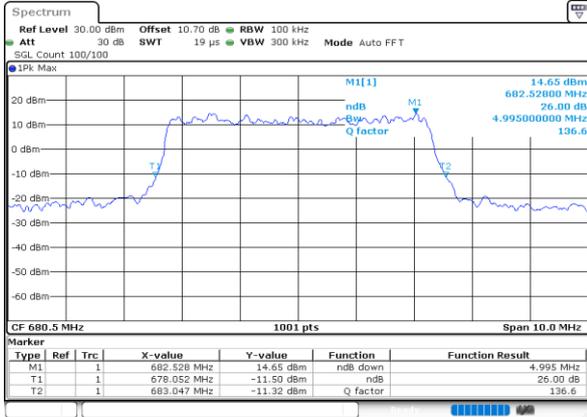


Date: 3.AUG.2023 16:11:42



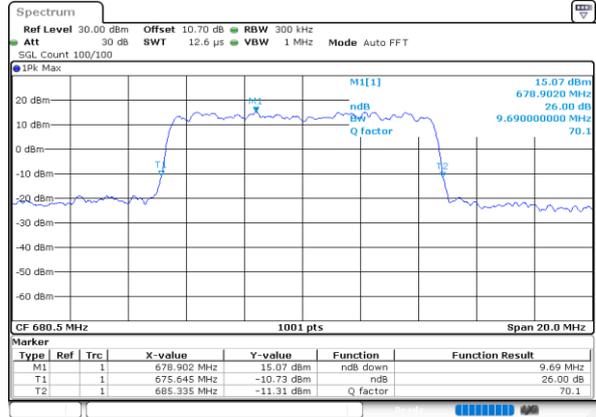
4G-LTE Band 71

Middle Channel / 5MHz / 64QAM



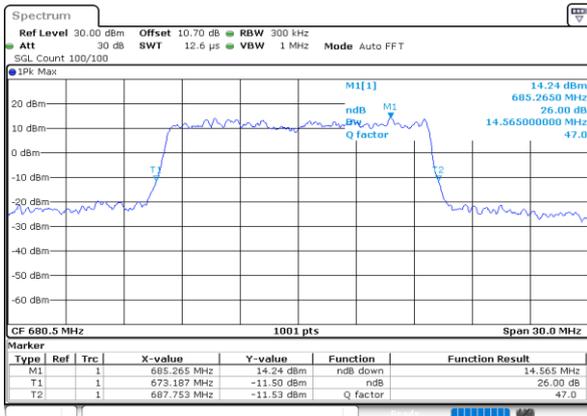
Date: 3.AUG.2023 15:54:22

Middle Channel / 10MHz / 64QAM



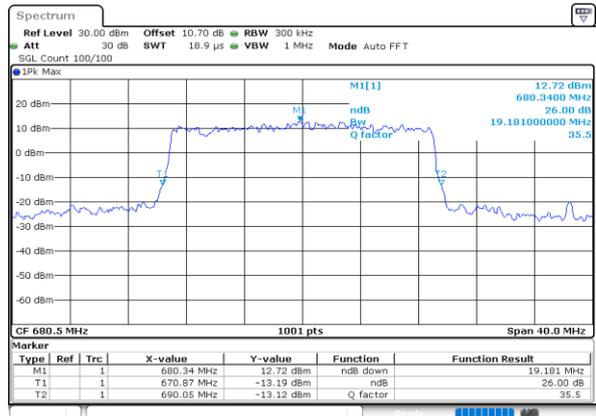
Date: 3.AUG.2023 16:04:02

Middle Channel / 15MHz / 64QAM



Date: 3.AUG.2023 16:11:43

Middle Channel / 20MHz / 64QAM

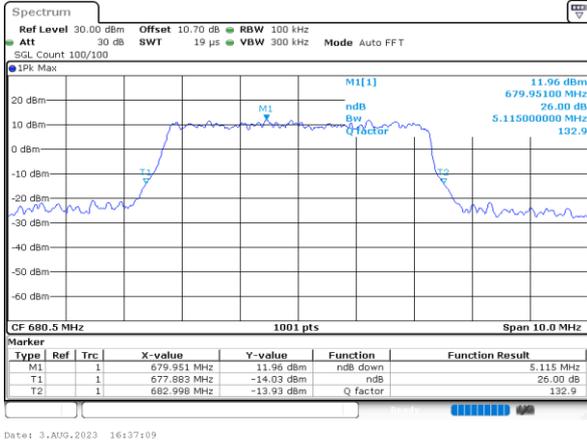


Date: 3.AUG.2023 16:21:24



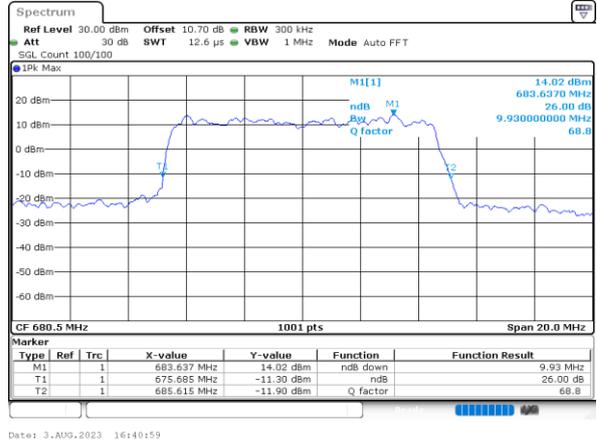
4G-LTE Band 71

Middle Channel / 5MHz / 256QAM



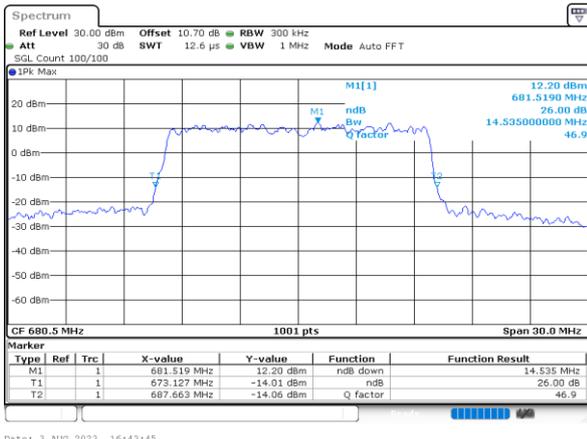
Date: 3.AUG.2023 16:37:09

Middle Channel / 10MHz / 256QAM



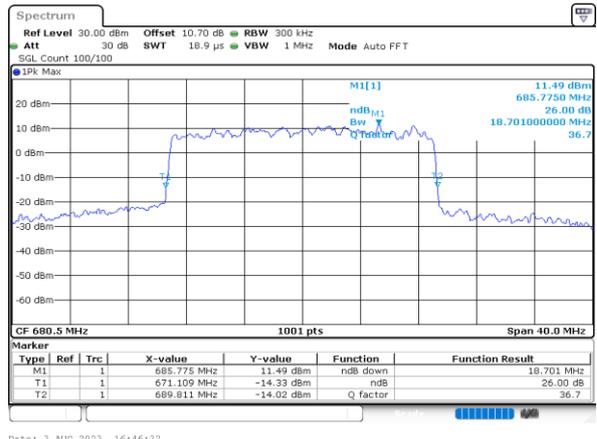
Date: 3.AUG.2023 16:40:59

Middle Channel / 15MHz / 256QAM



Date: 3.AUG.2023 16:43:45

Middle Channel / 20MHz / 256QAM

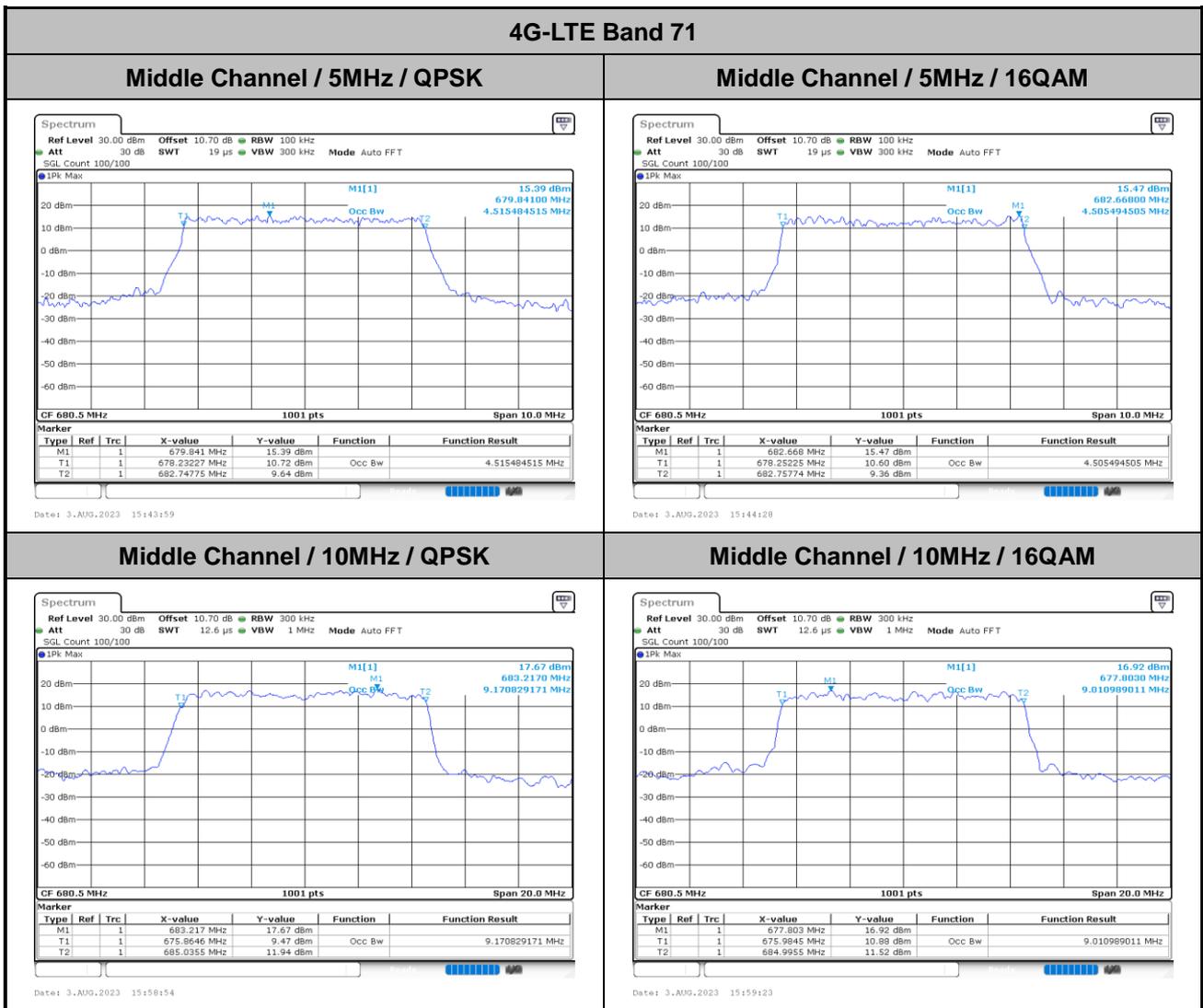


Date: 3.AUG.2023 16:46:32



Occupied Bandwidth

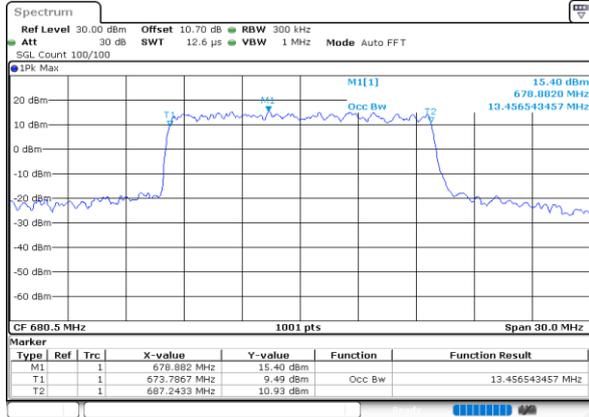
Mode	4G-LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.52	4.51	9.17	9.01	13.46	13.46	17.74	17.86
Mode	4G-LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.50	4.49	9.03	9.01	13.43	13.46	17.86	17.78





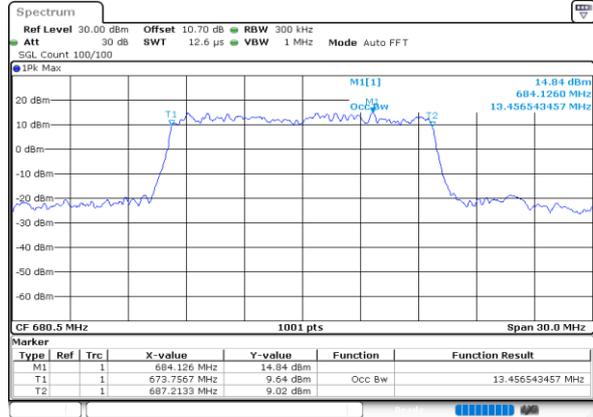
4G-LTE Band 71

Middle Channel / 15MHz / QPSK



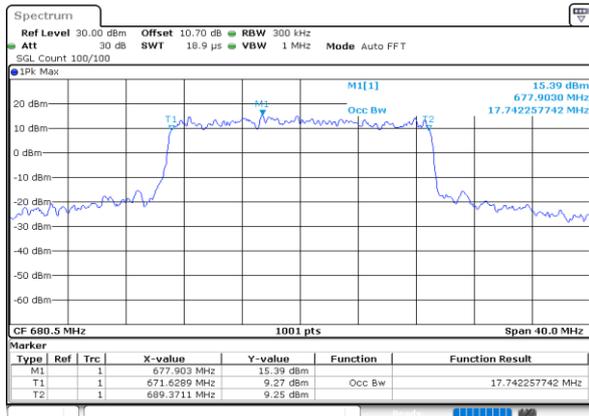
Date: 3.AUG.2023 16:07:35

Middle Channel / 15MHz / 16QAM



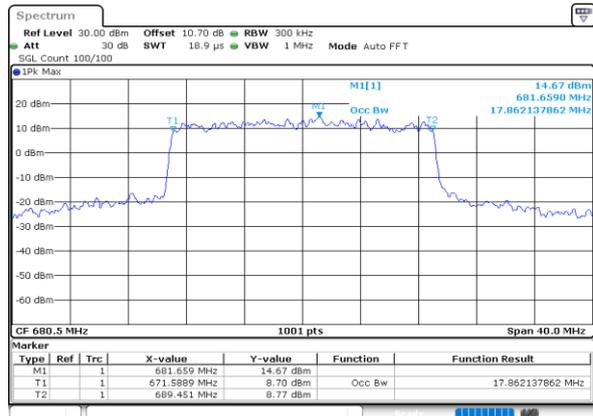
Date: 3.AUG.2023 16:08:04

Middle Channel / 20MHz / QPSK



Date: 3.AUG.2023 16:11:16

Middle Channel / 20MHz / 16QAM

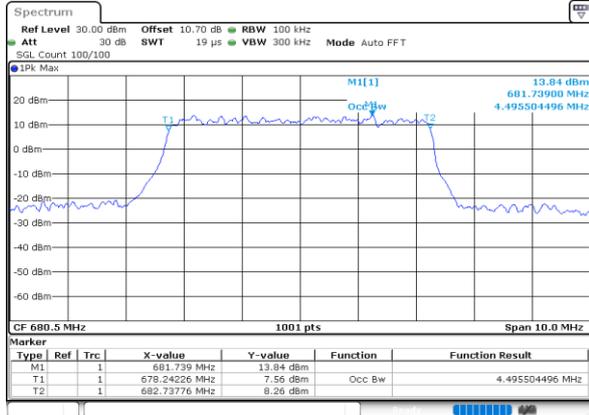


Date: 3.AUG.2023 16:11:44



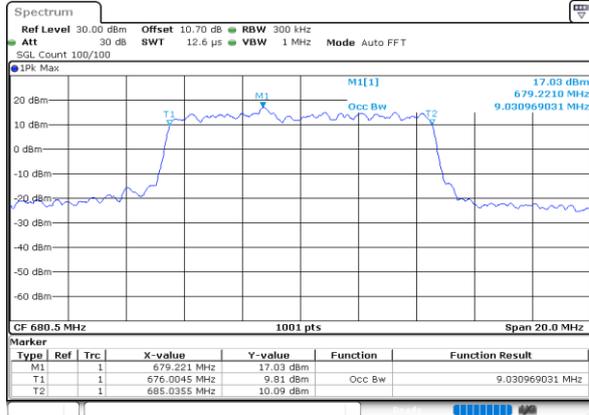
4G-LTE Band 71

Middle Channel / 5MHz / 64QAM



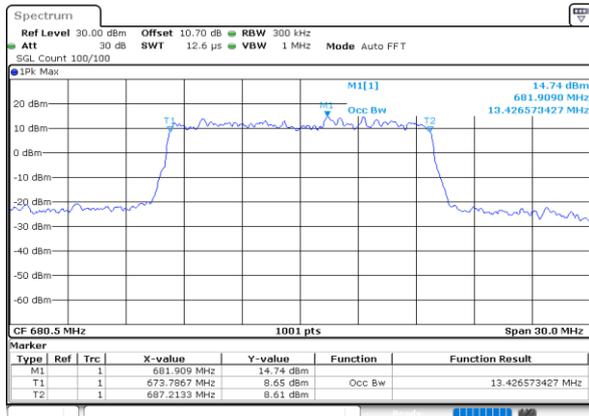
Date: 3.AUG.2023 15:54:08

Middle Channel / 10MHz / 64QAM



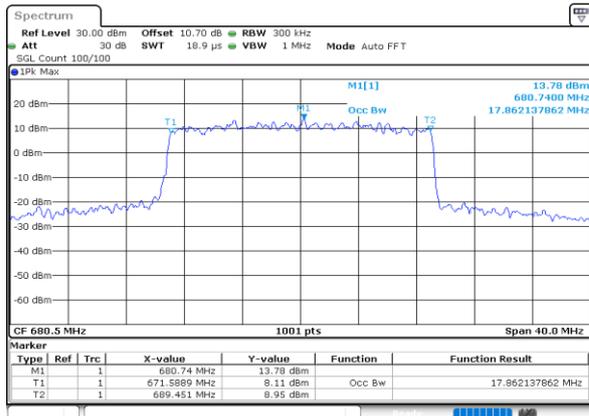
Date: 3.AUG.2023 16:03:48

Middle Channel / 15MHz / 64QAM



Date: 3.AUG.2023 16:12:29

Middle Channel / 20MHz / 64QAM

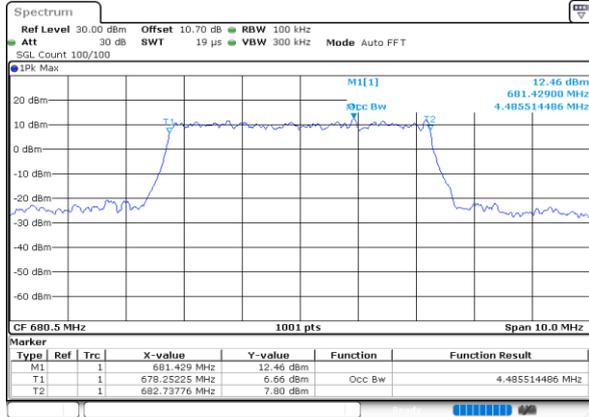


Date: 3.AUG.2023 16:21:10



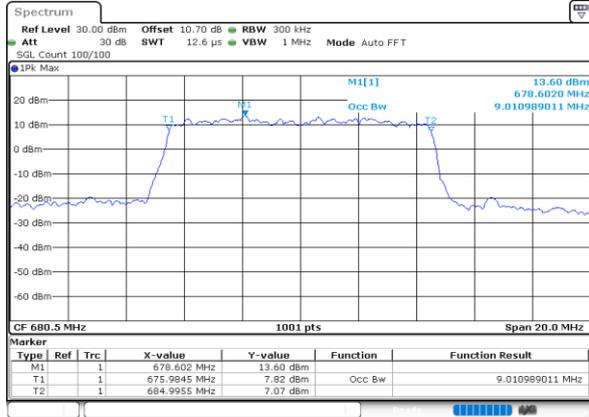
4G-LTE Band 71

Middle Channel / 5MHz / 256QAM



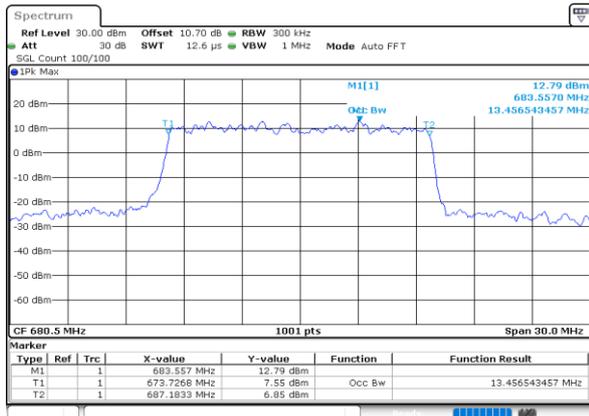
Date: 3.AUG.2023 16:36:55

Middle Channel / 10MHz / 256QAM



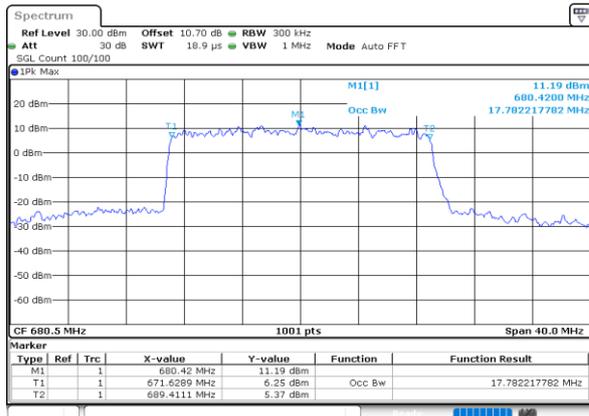
Date: 3.AUG.2023 16:40:45

Middle Channel / 15MHz / 256QAM



Date: 3.AUG.2023 16:43:31

Middle Channel / 20MHz / 256QAM



Date: 3.AUG.2023 16:46:18