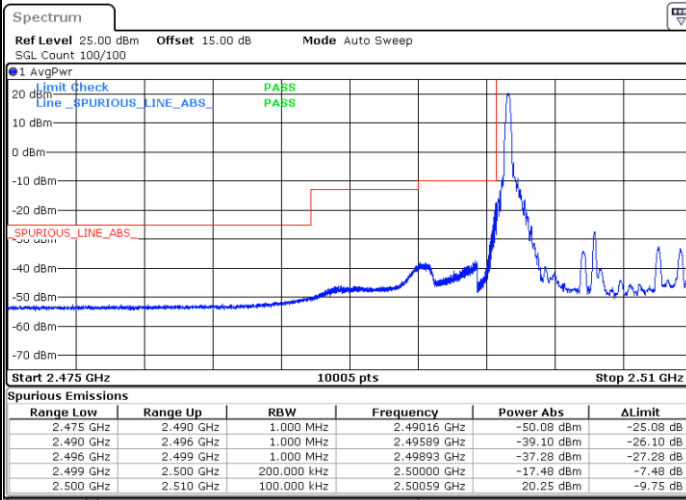




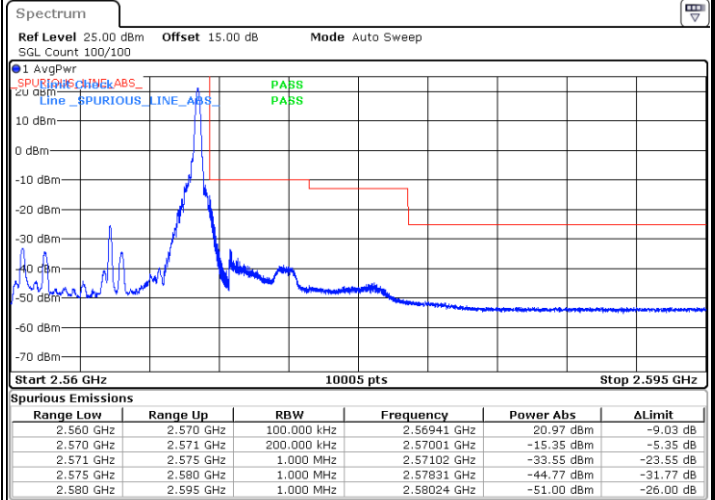
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



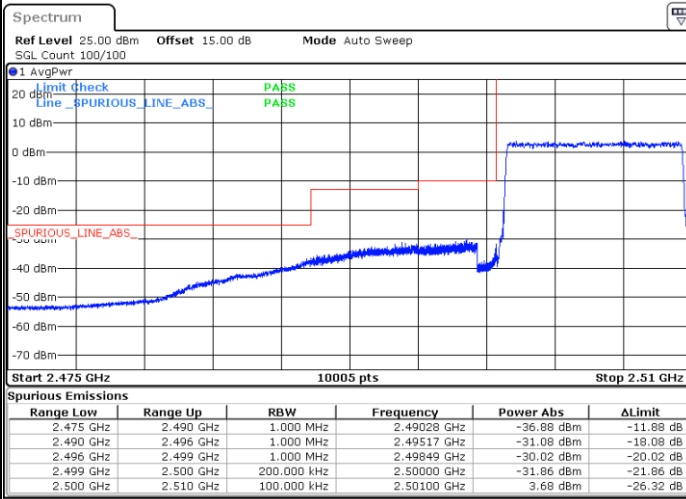
Date: 28.FEB.2023 13:42:08



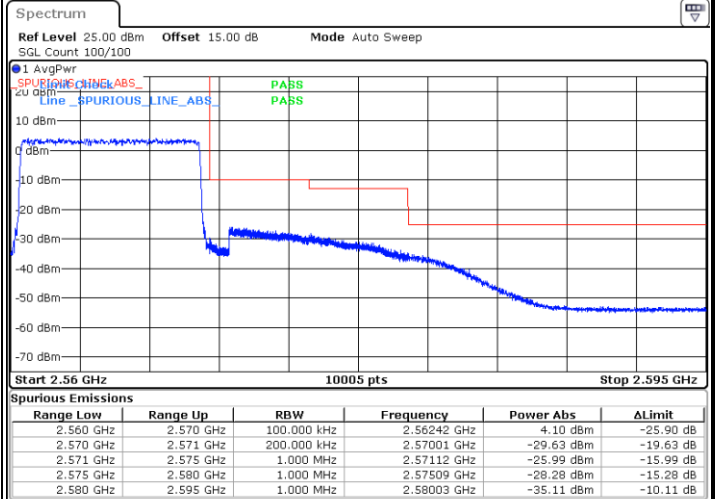
Date: 28.FEB.2023 14:02:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.FEB.2023 13:44:14



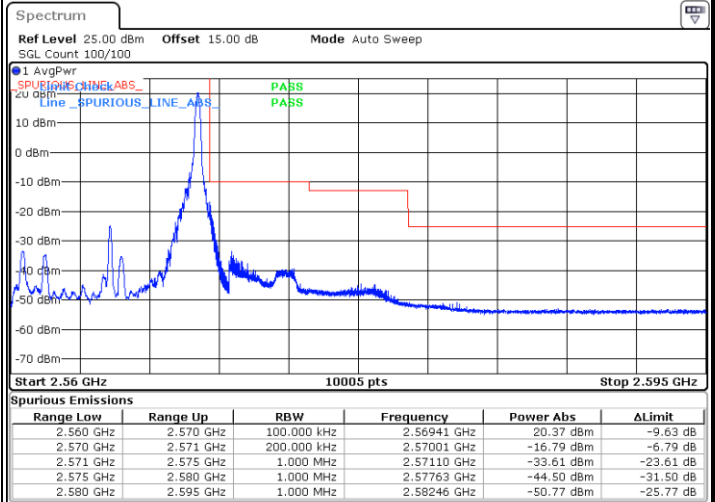
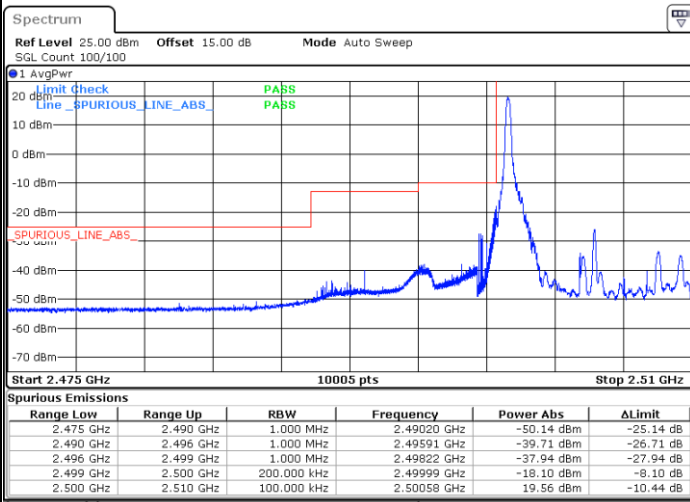
Date: 28.FEB.2023 14:04:31



LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

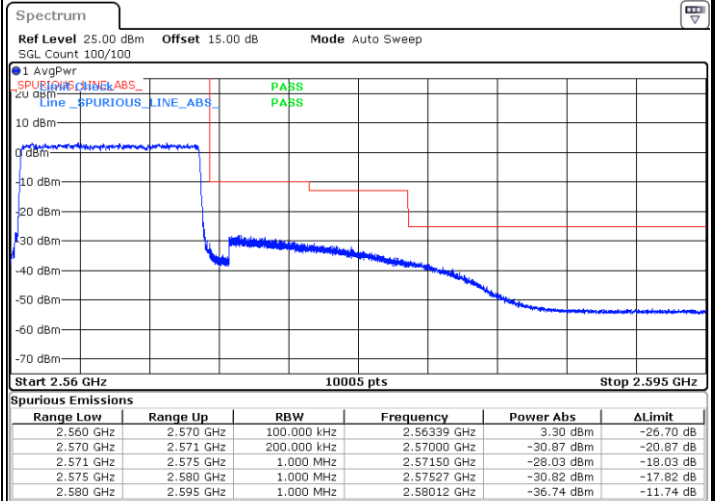
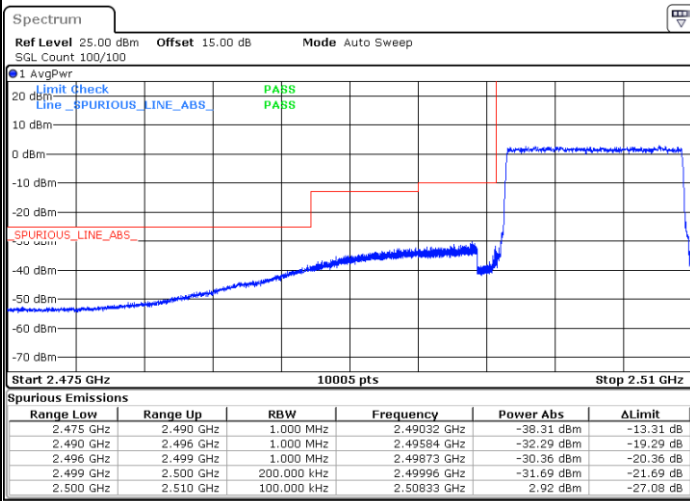


Date: 28.FEB.2023 13:43:11

Date: 28.FEB.2023 14:03:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



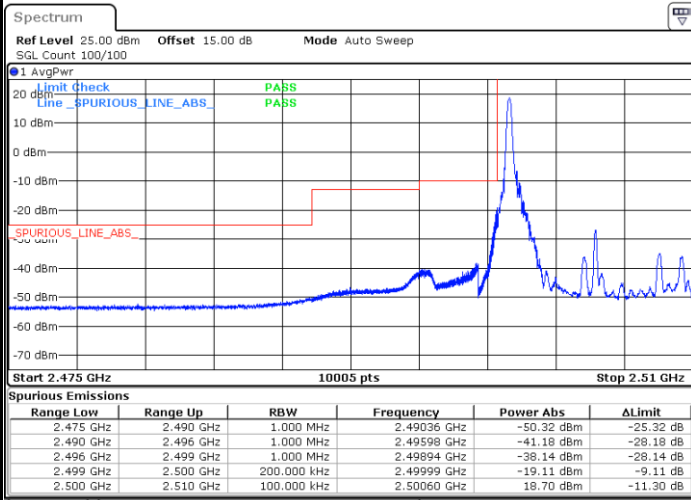
Date: 28.FEB.2023 13:45:17

Date: 28.FEB.2023 14:05:34



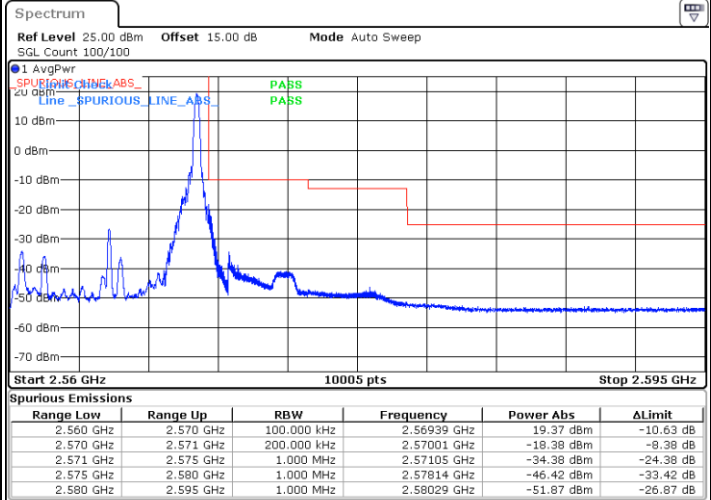
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



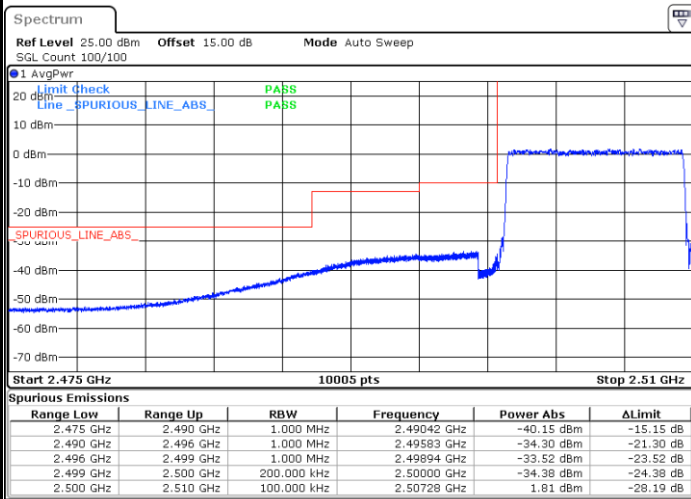
Date: 28.FEB.2023 14:09:20

Highest Band Edge / 1 RB



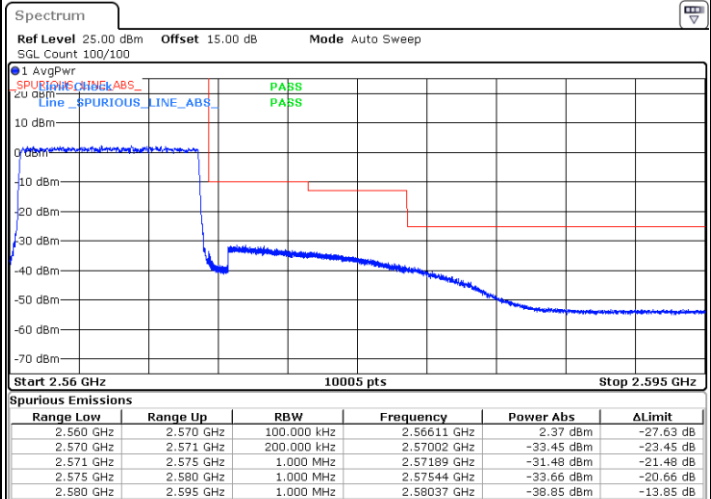
Date: 28.FEB.2023 14:14:47

Lowest Band Edge / Full RB



Date: 28.FEB.2023 14:10:24

Highest Band Edge / Full RB



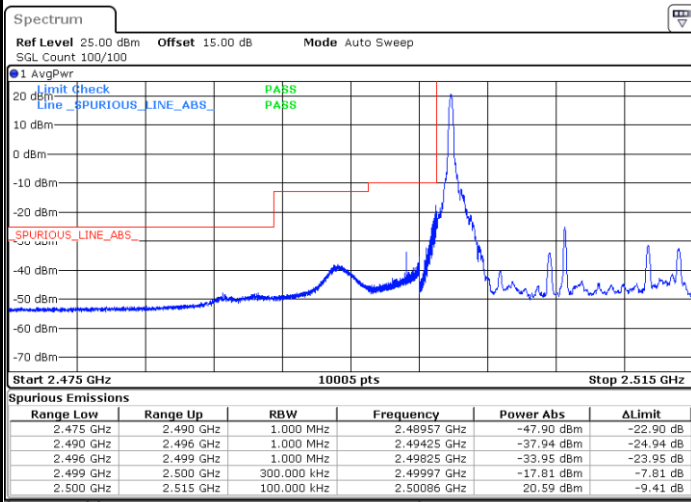
Date: 28.FEB.2023 14:15:51



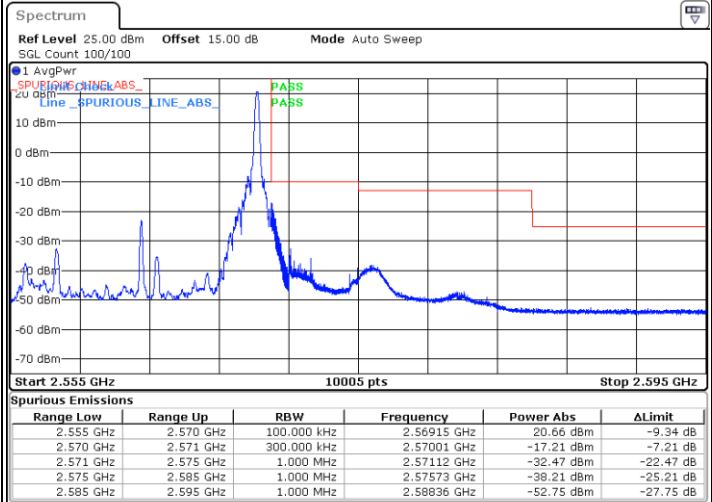
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



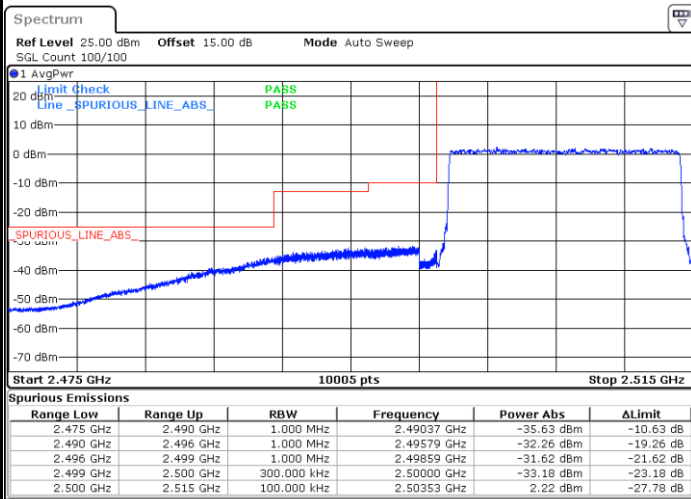
Date: 28.FEB.2023 14:19:33



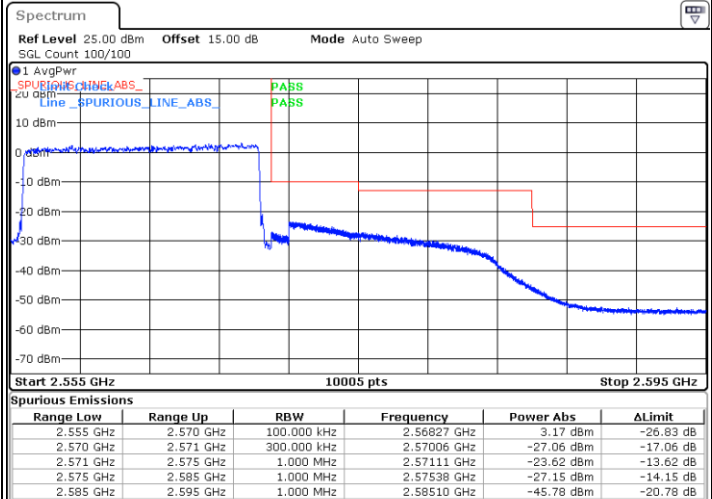
Date: 28.FEB.2023 14:31:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.FEB.2023 14:21:41

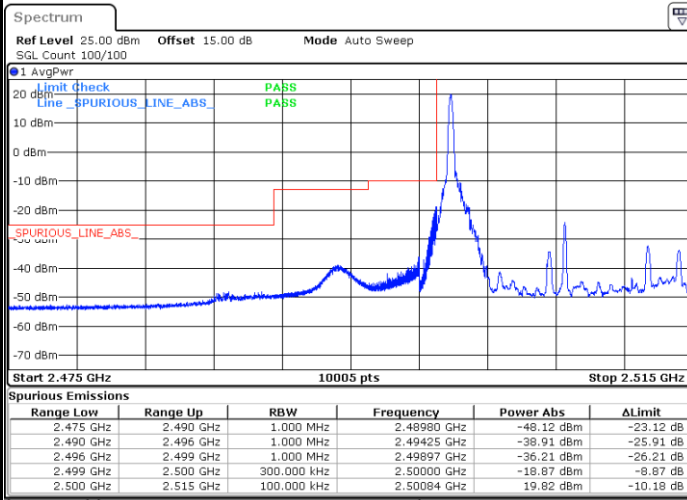


Date: 28.FEB.2023 14:33:11



LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



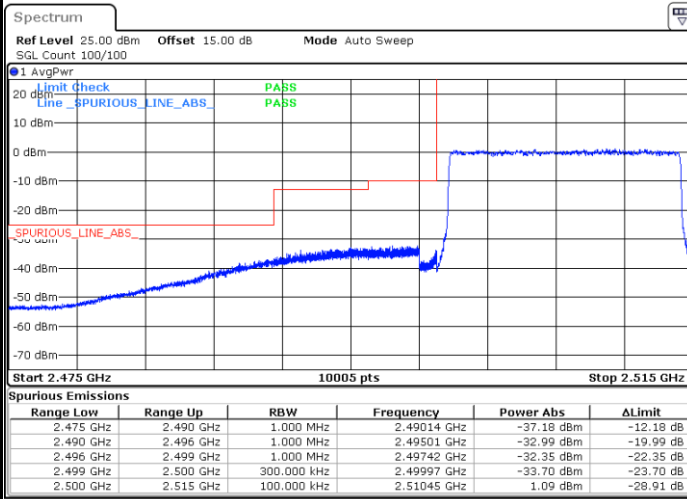
Date: 28.FEB.2023 14:20:37

Highest Band Edge / 1 RB



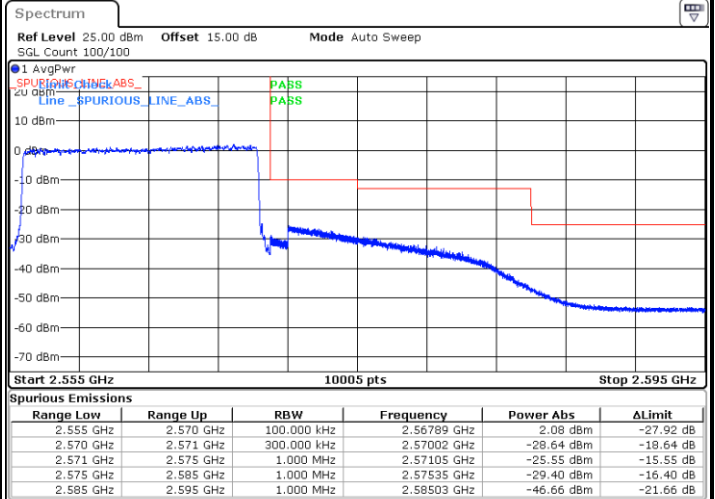
Date: 28.FEB.2023 14:32:08

Lowest Band Edge / Full RB



Date: 28.FEB.2023 14:22:44

Highest Band Edge / Full RB

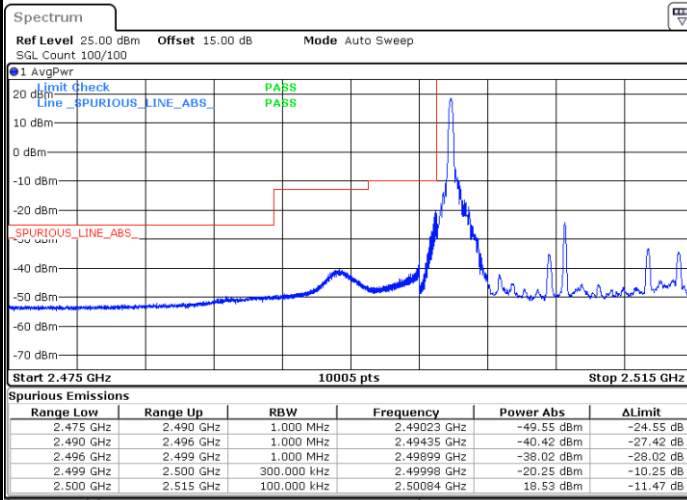


Date: 28.FEB.2023 14:34:14



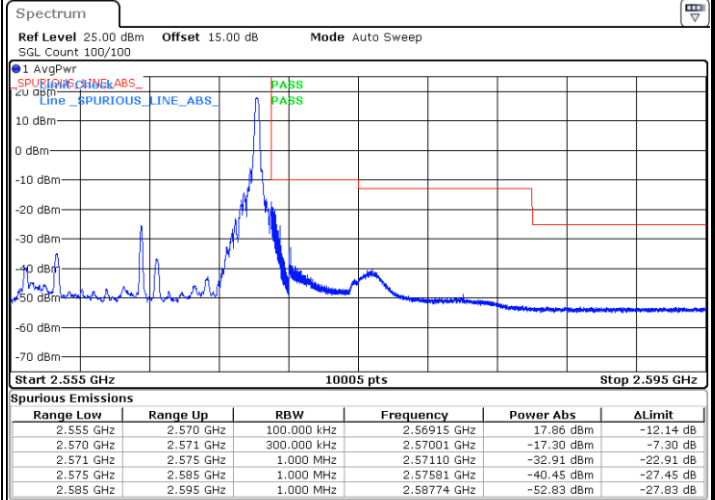
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



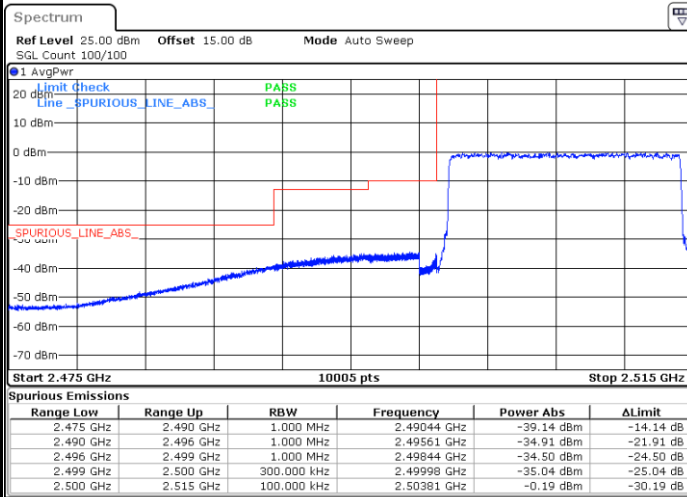
Date: 28.FEB.2023 14:38:00

Highest Band Edge / 1 RB



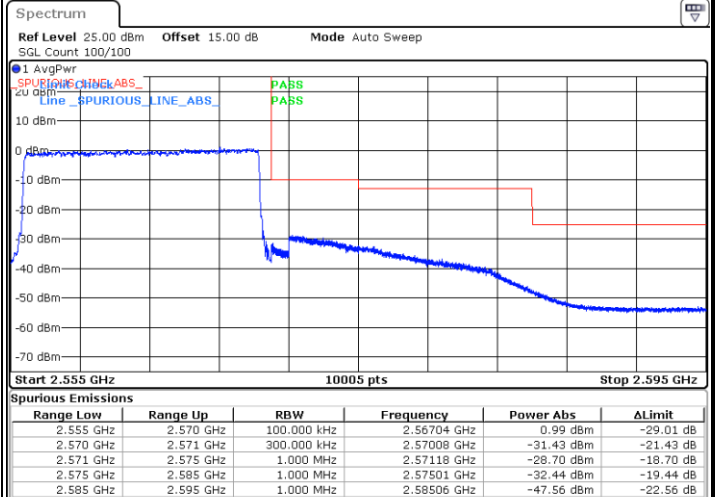
Date: 28.FEB.2023 14:43:27

Lowest Band Edge / Full RB



Date: 28.FEB.2023 14:39:03

Highest Band Edge / Full RB

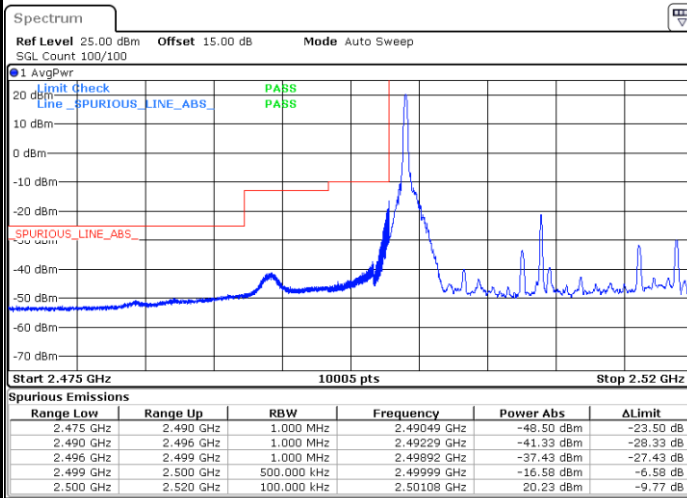


Date: 28.FEB.2023 14:44:31



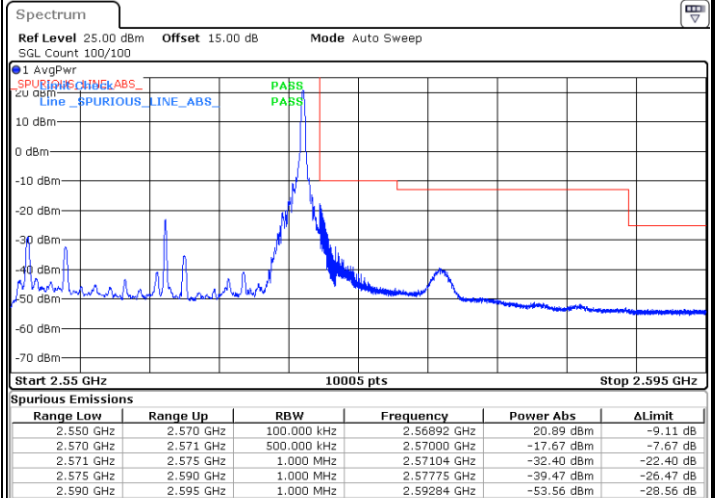
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



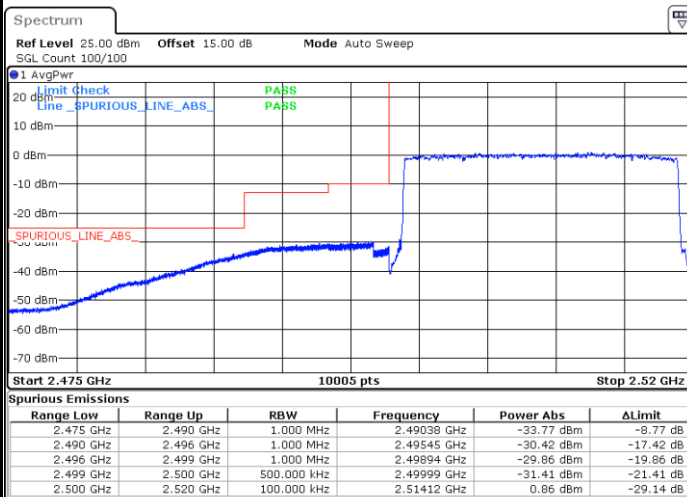
Date: 28.FEB.2023 14:48:13

Highest Band Edge / 1 RB



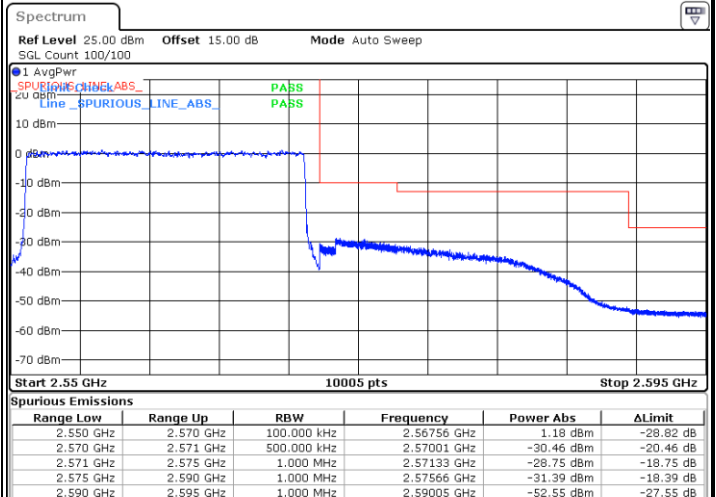
Date: 28.FEB.2023 15:26:29

Lowest Band Edge / Full RB



Date: 28.FEB.2023 14:50:20

Highest Band Edge / Full RB

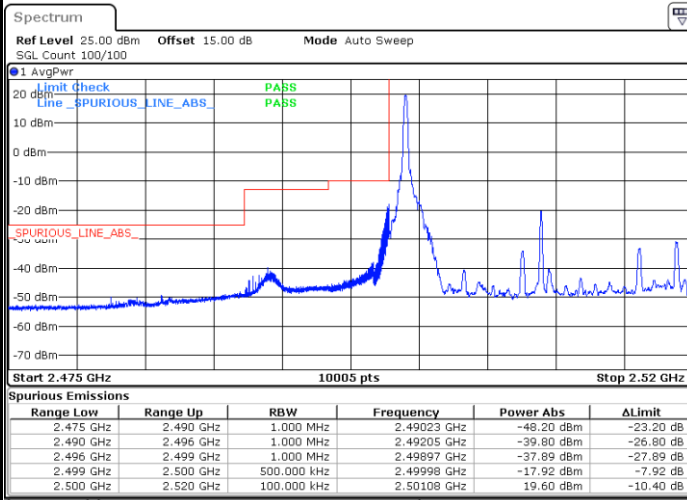


Date: 28.FEB.2023 15:29:40



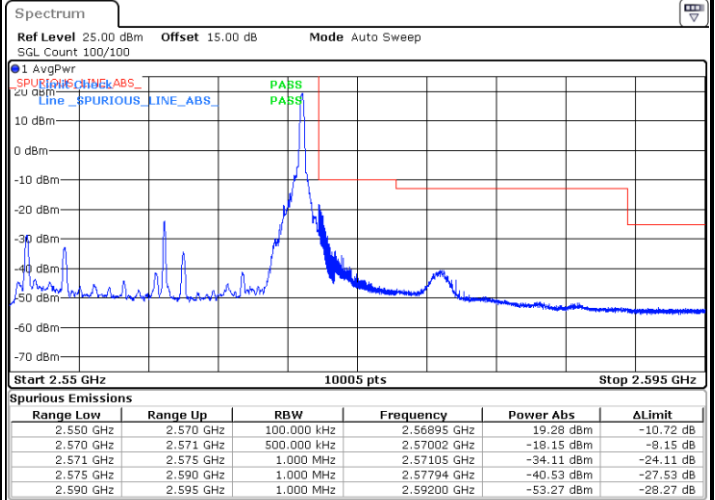
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



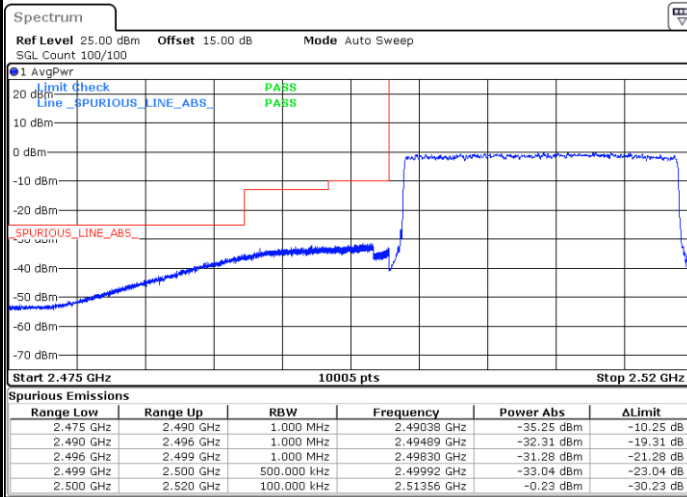
Date: 28.FEB.2023 14:49:16

Highest Band Edge / 1RB



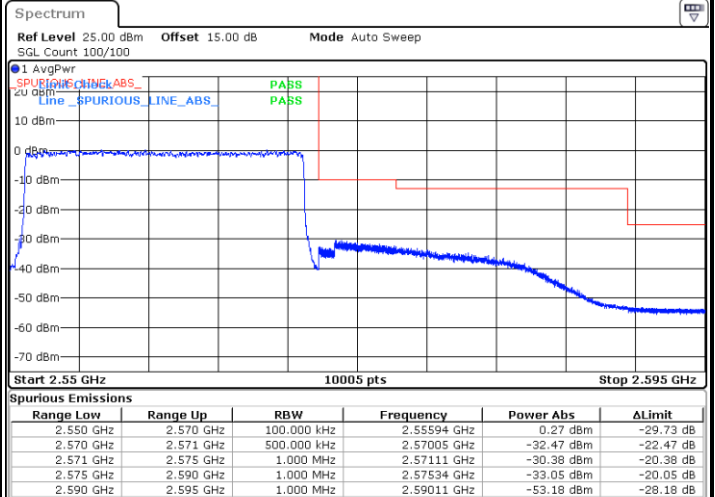
Date: 28.FEB.2023 15:27:33

Lowest Band Edge / Full RB



Date: 28.FEB.2023 14:51:24

Highest Band Edge / Full RB

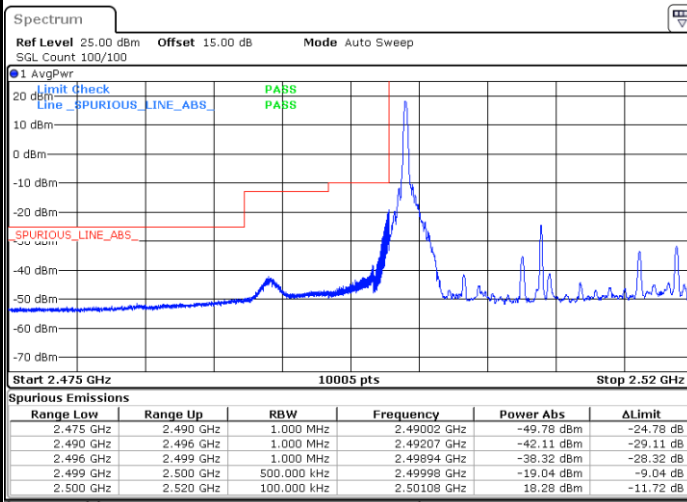


Date: 28.FEB.2023 15:28:36



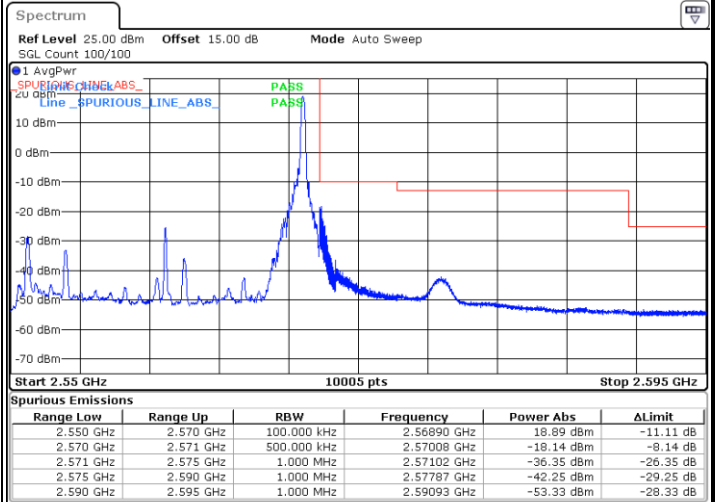
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



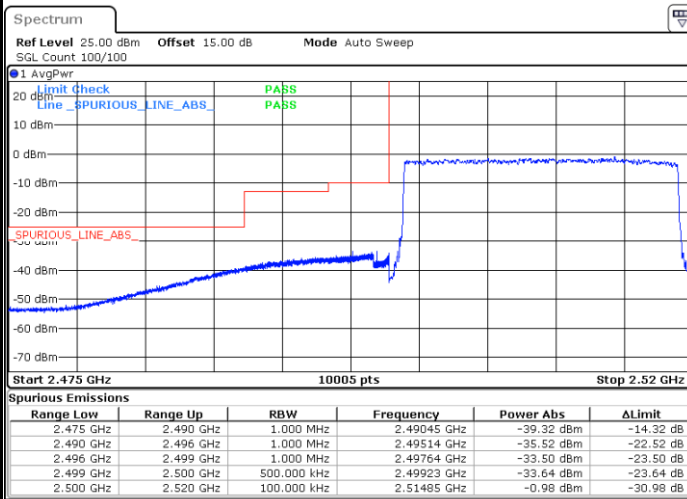
Date: 28.FEB.2023 15:33:26

Highest Band Edge / 1 RB



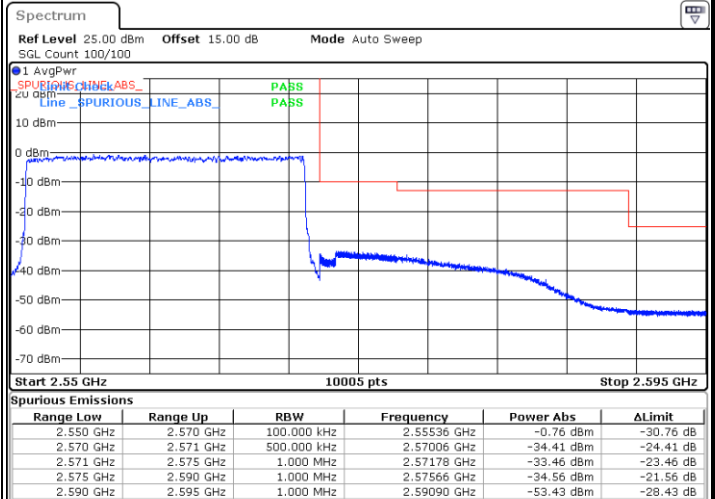
Date: 28.FEB.2023 15:38:54

Lowest Band Edge / Full RB



Date: 28.FEB.2023 15:34:29

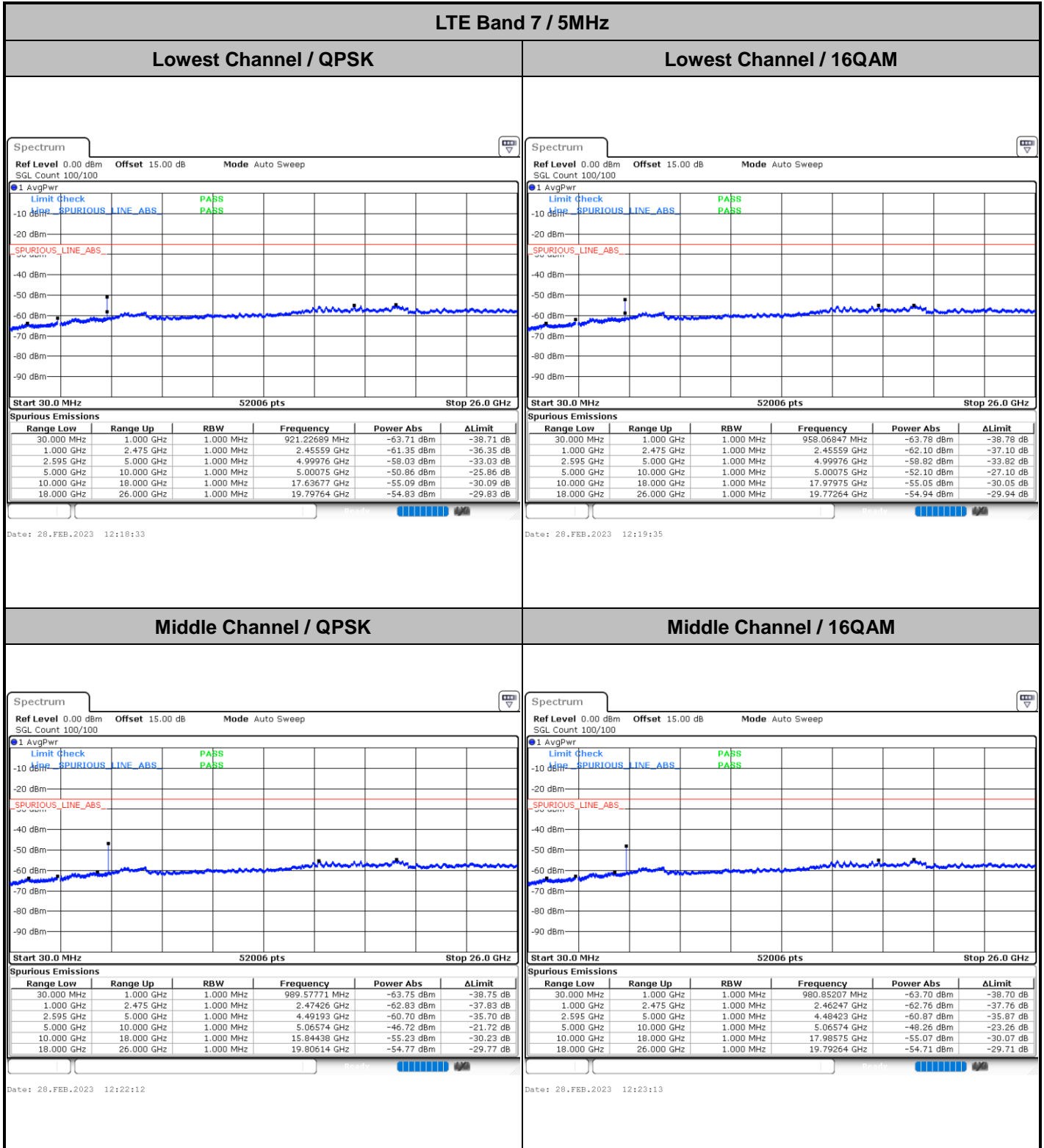
Highest Band Edge / Full RB



Date: 28.FEB.2023 15:39:57



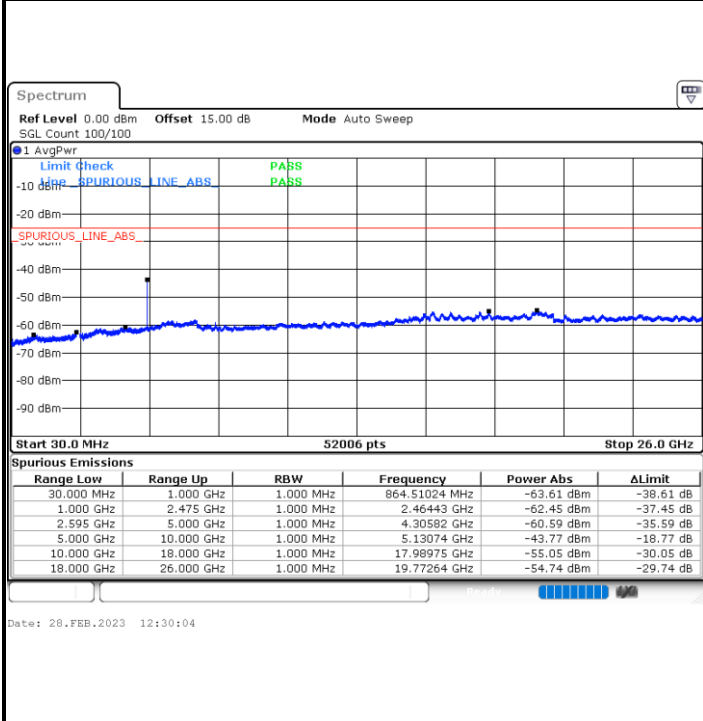
Conducted Spurious Emission



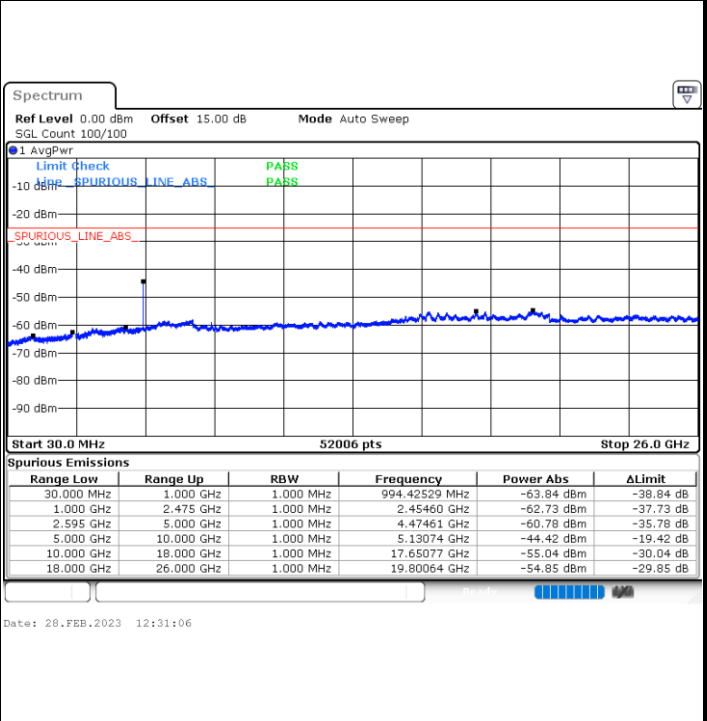


LTE Band 7 / 5MHz

Highest Channel / QPSK

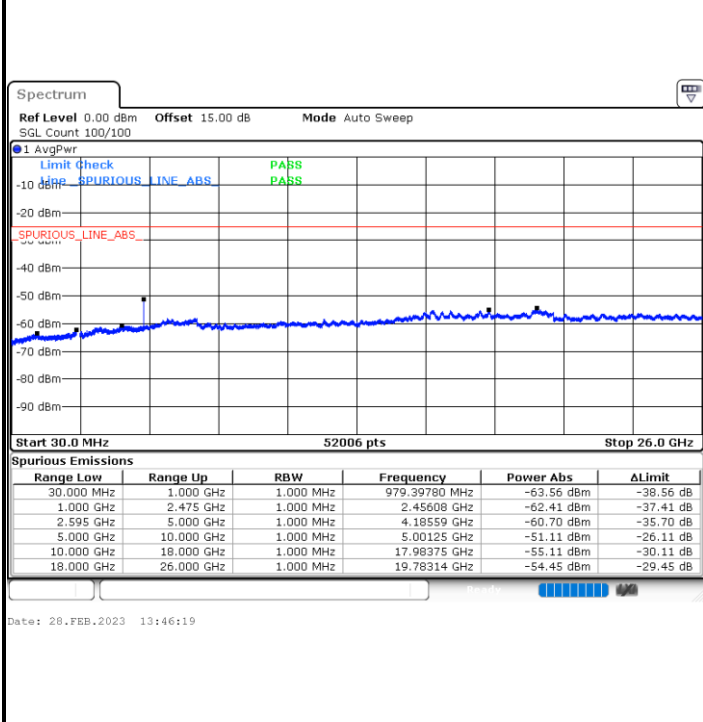


Highest Channel / 16QAM

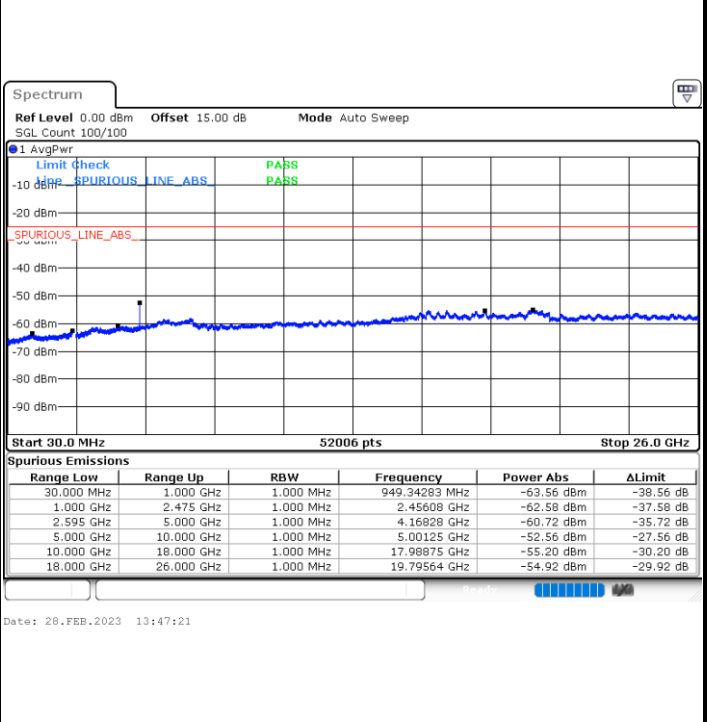


LTE Band 7 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

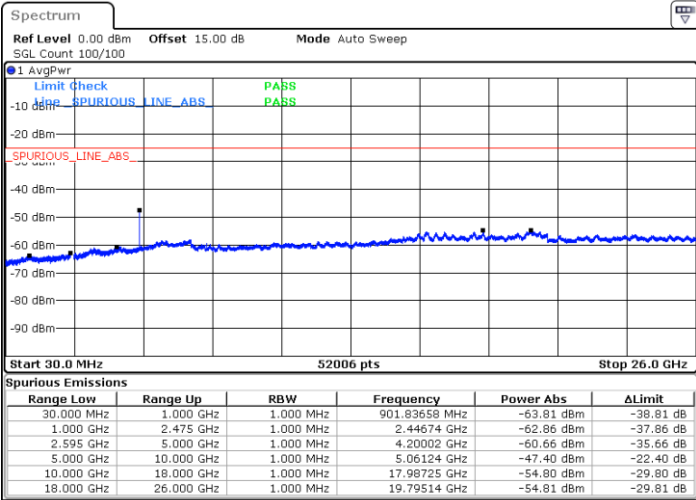




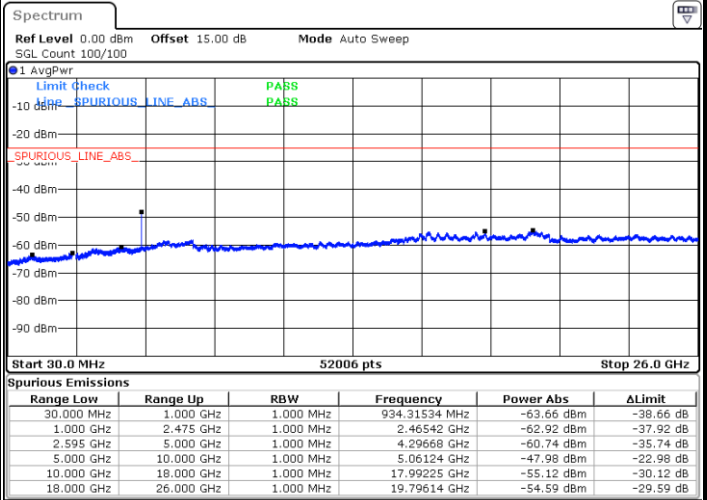
LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



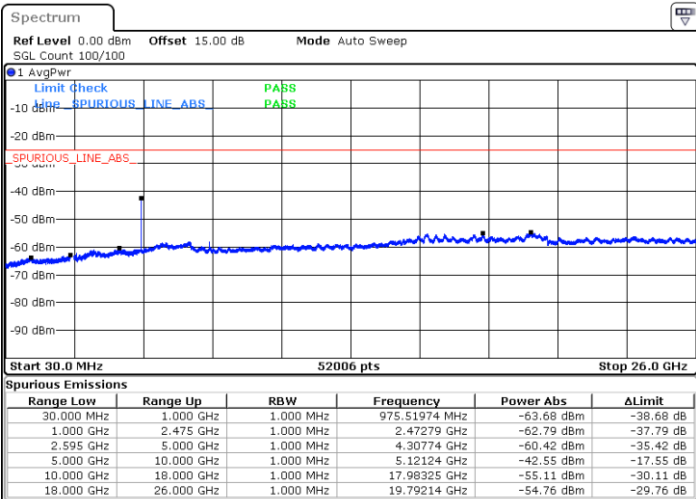
Date: 28.FEB.2023 13:49:56



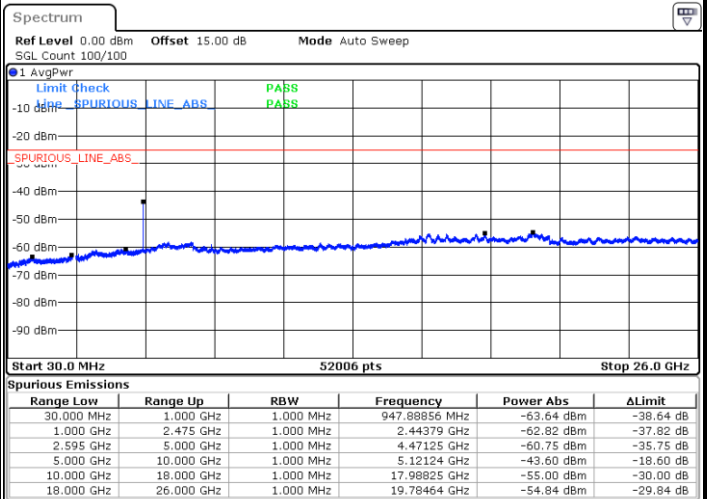
Date: 28.FEB.2023 13:50:57

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28.FEB.2023 14:06:36



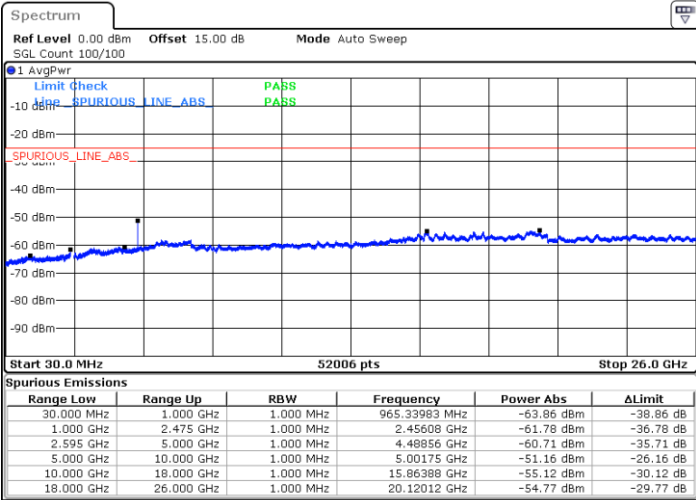
Date: 28.FEB.2023 14:07:38



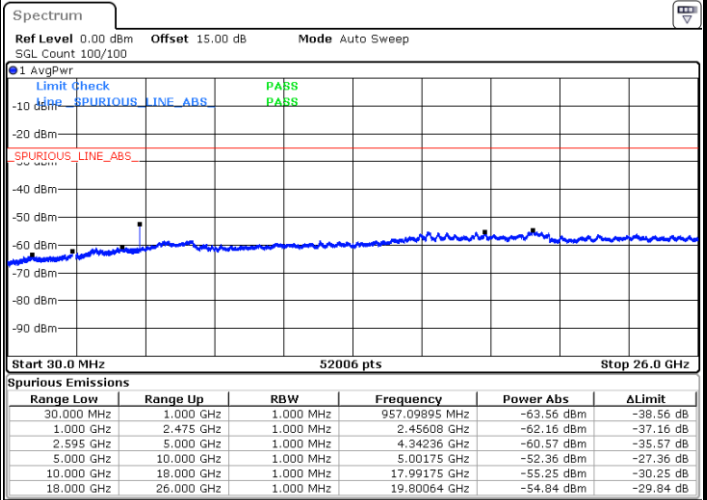
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



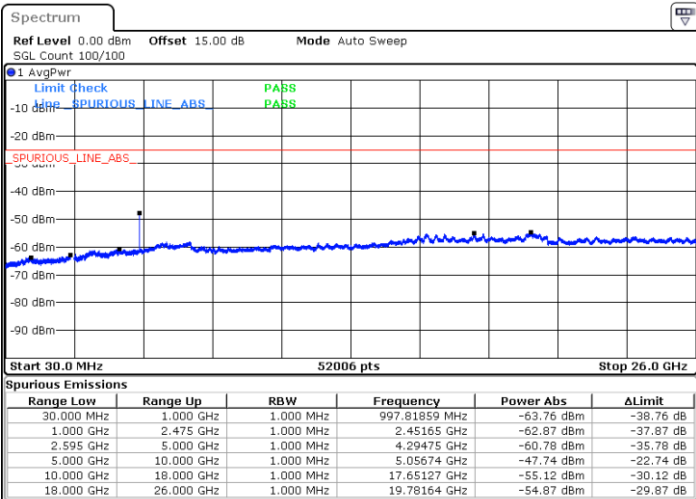
Date: 28.FEB.2023 14:23:46



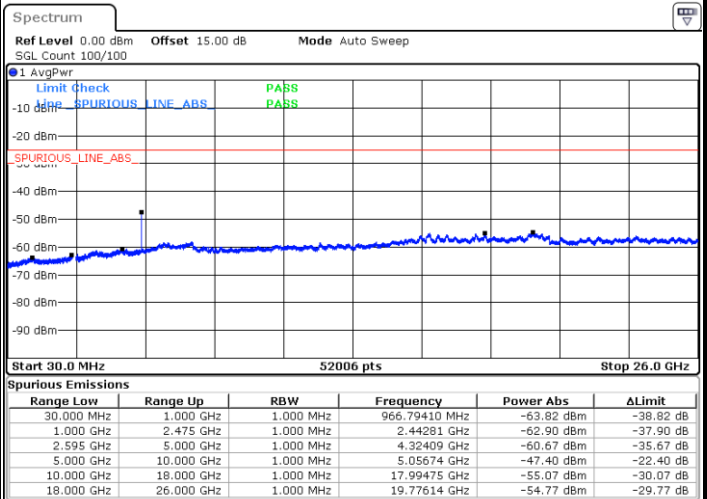
Date: 28.FEB.2023 14:24:48

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 28.FEB.2023 14:27:24

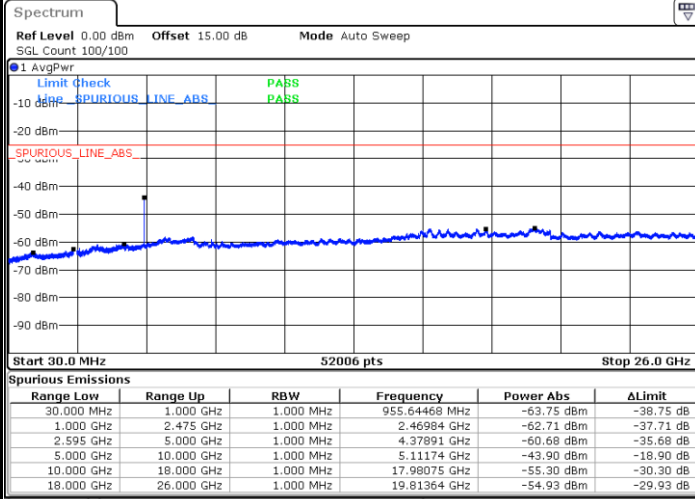


Date: 28.FEB.2023 14:28:25



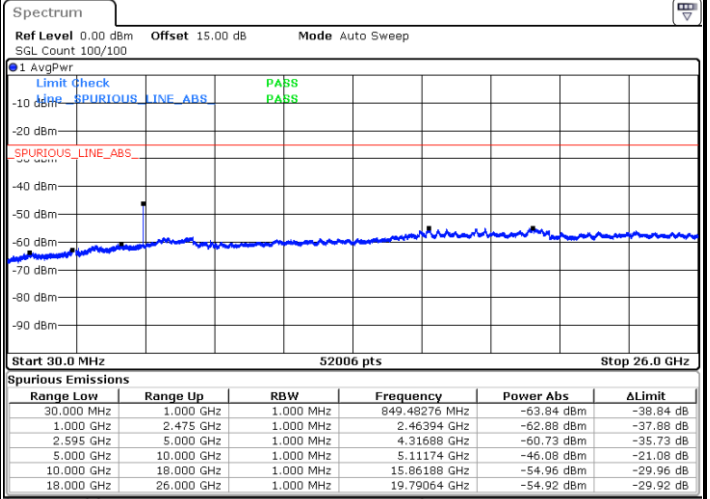
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 28.FEB.2023 14:35:16

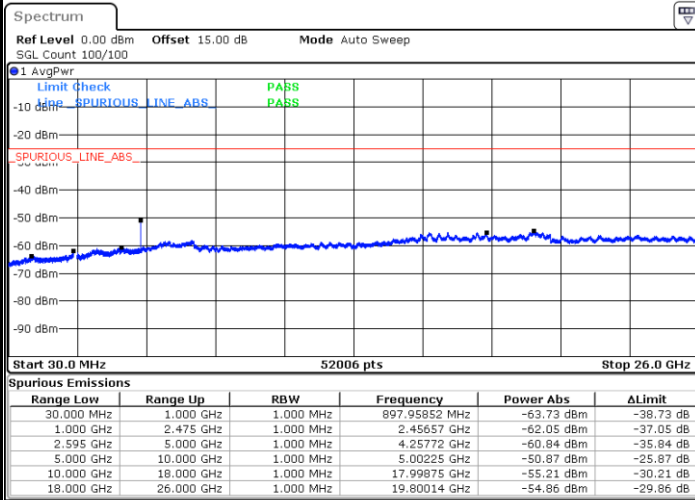
Highest Channel / 16QAM



Date: 28.FEB.2023 14:36:18

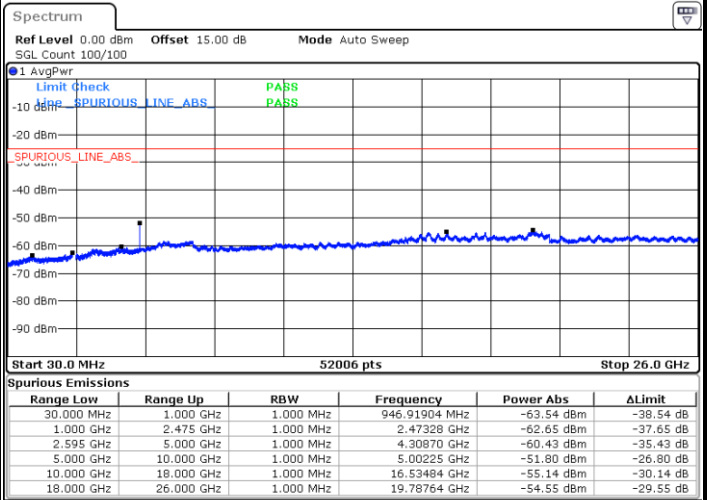
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 28.FEB.2023 14:52:25

Lowest Channel / 16QAM



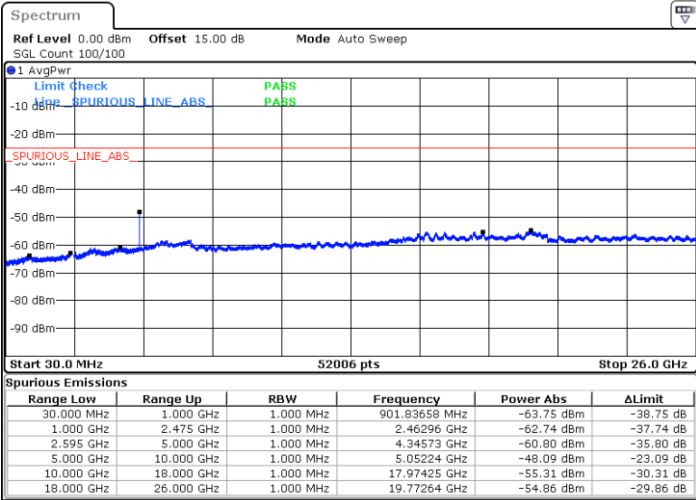
Date: 28.FEB.2023 14:53:27



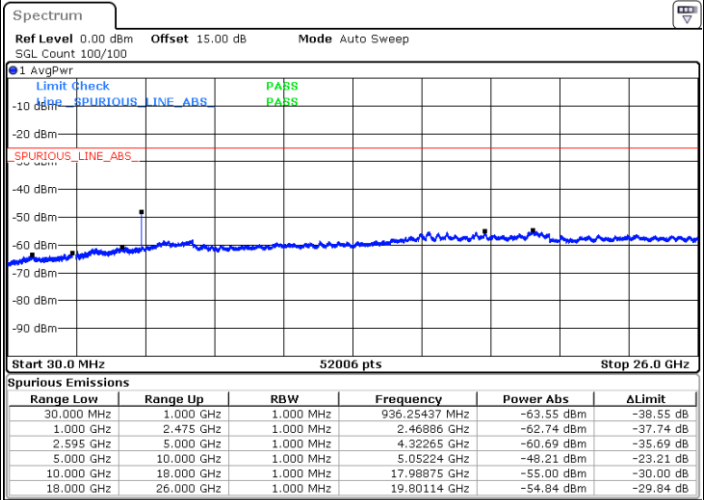
LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



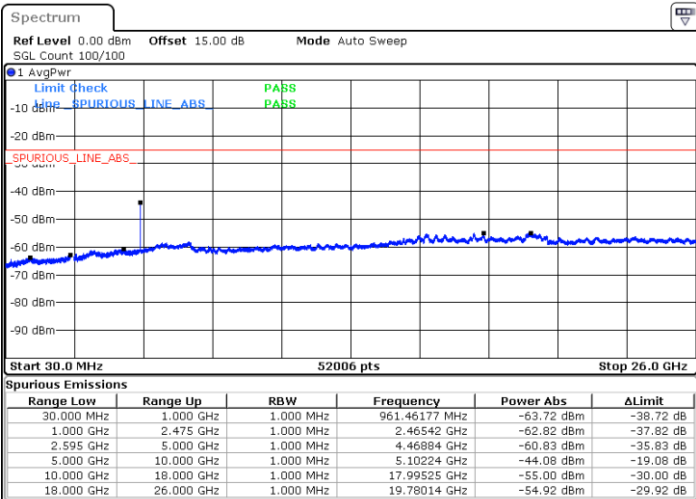
Date: 28.FEB.2023 14:56:03



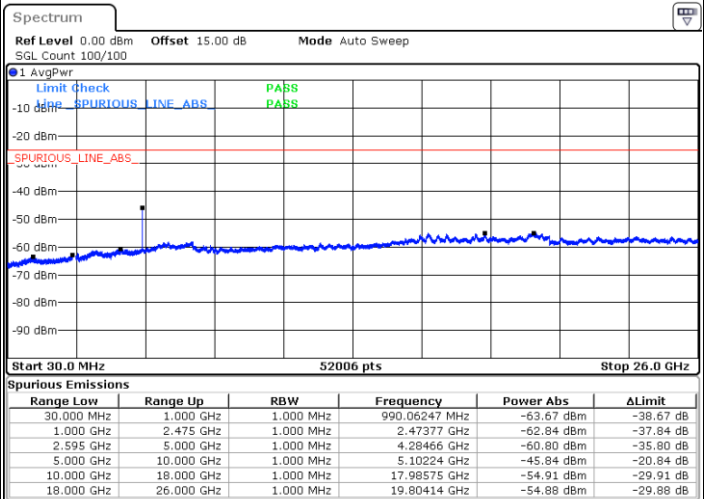
Date: 28.FEB.2023 14:57:05

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28.FEB.2023 15:30:41



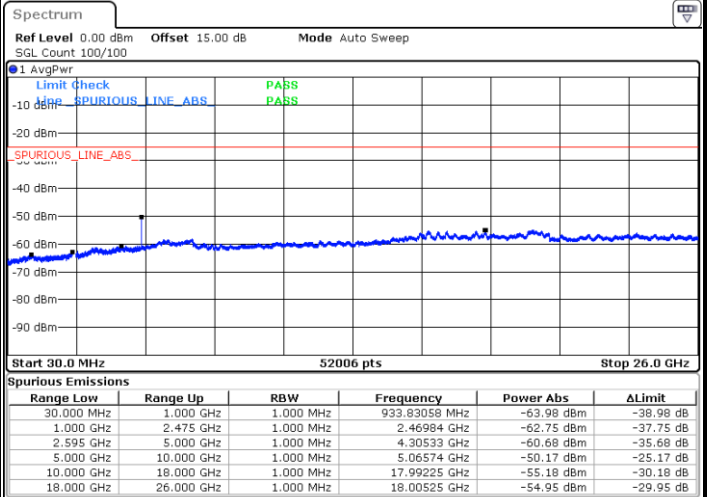
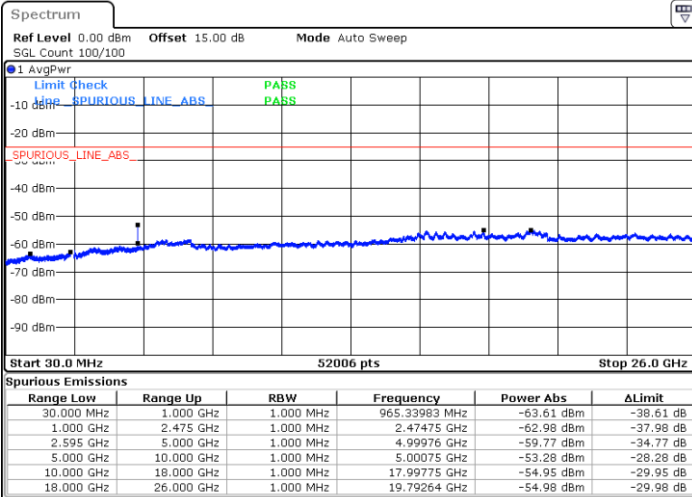
Date: 28.FEB.2023 15:31:43



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

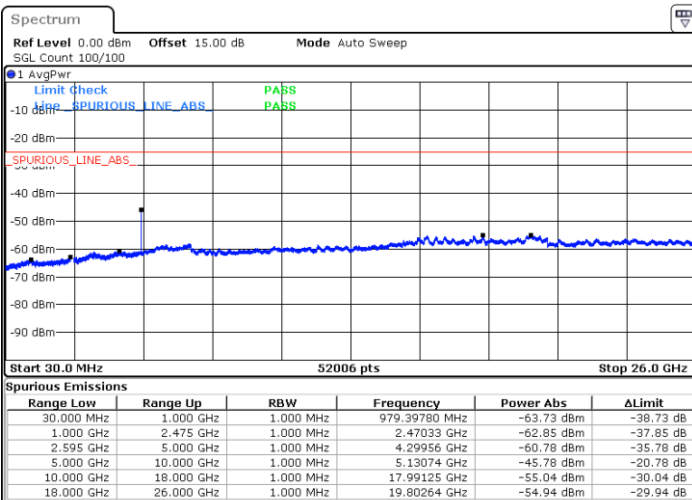


Date: 28.FEB.2023 12:34:54

Date: 28.FEB.2023 12:36:34

Highest Channel / 64QAM

NA



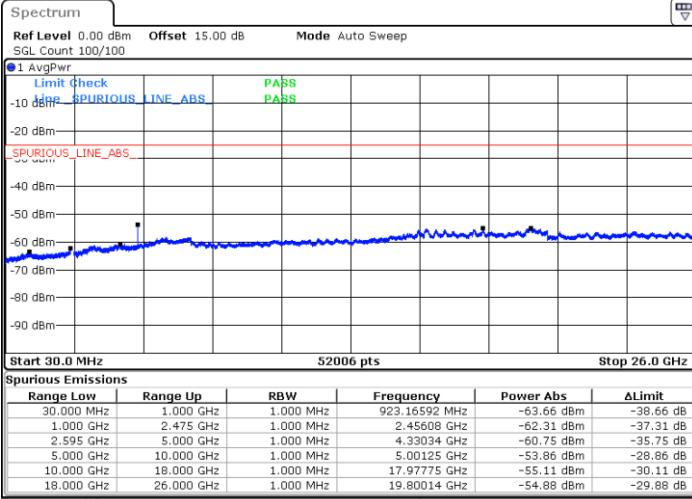
Date: 28.FEB.2023 12:40:21



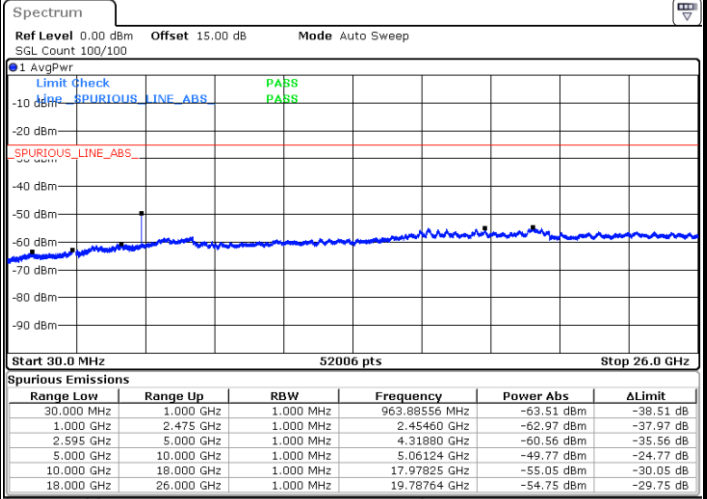
LTE Band 7 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



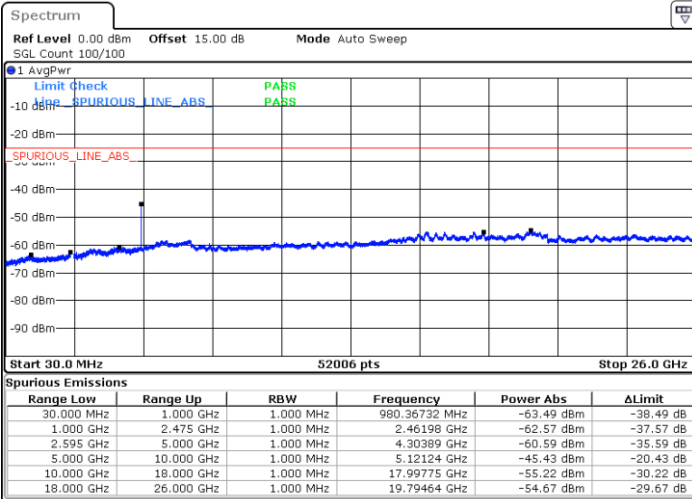
Date: 28.FEB.2023 14:11:26



Date: 28.FEB.2023 14:13:05

Highest Channel / 64QAM

NA



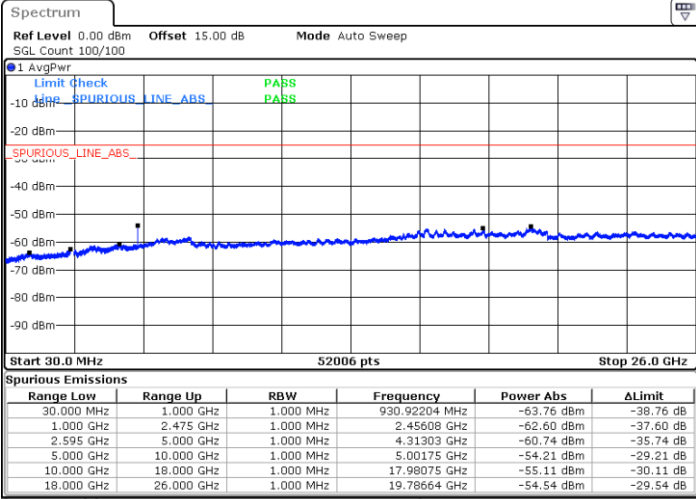
Date: 28.FEB.2023 14:16:53



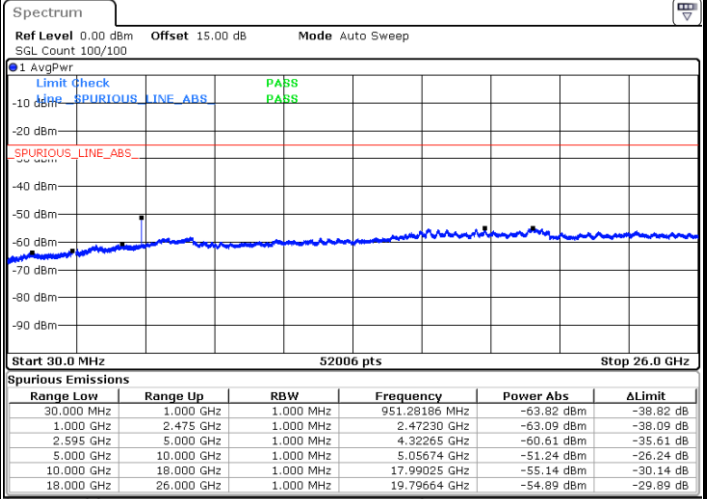
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



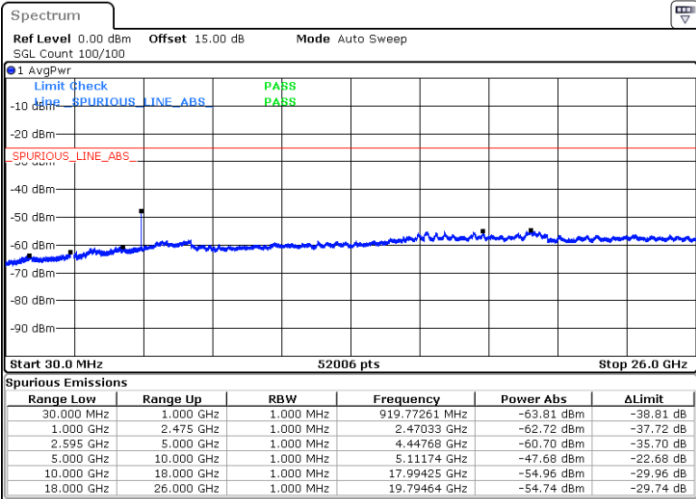
Date: 28.FEB.2023 14:40:05



Date: 28.FEB.2023 14:41:45

Highest Channel / 64QAM

NA



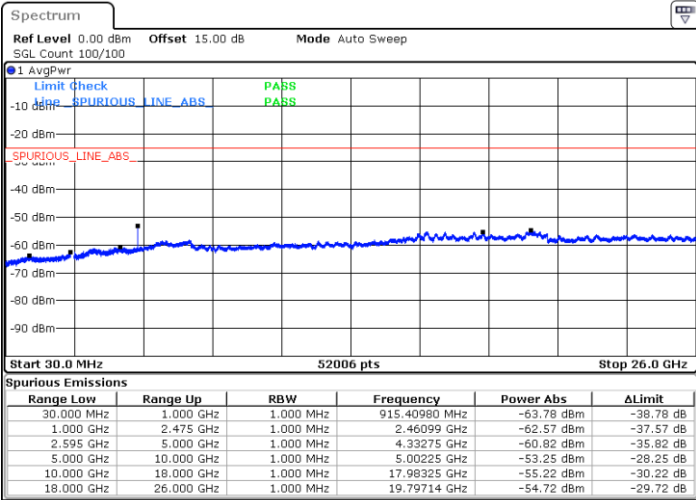
Date: 28.FEB.2023 14:45:32



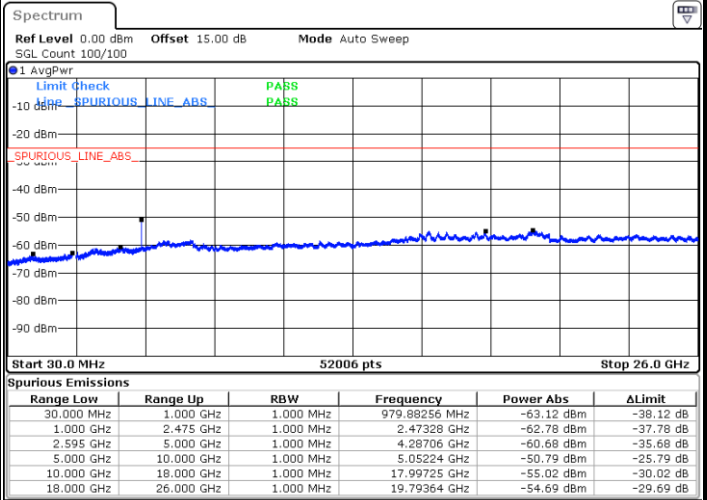
LTE Band 7 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



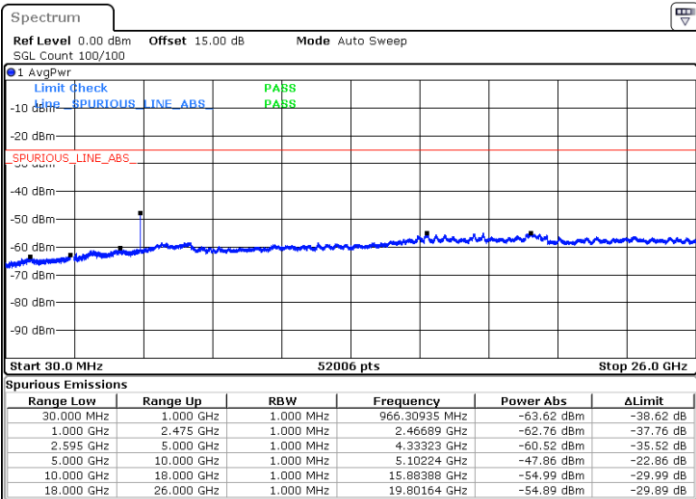
Date: 28.FEB.2023 15:35:31



Date: 28.FEB.2023 15:37:11

Highest Channel / 64QAM

NA



Date: 28.FEB.2023 15:40:59



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
55	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0011	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0020	

Note:

1. Normal Voltage =3.89. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7<Ant.1>---Other PA

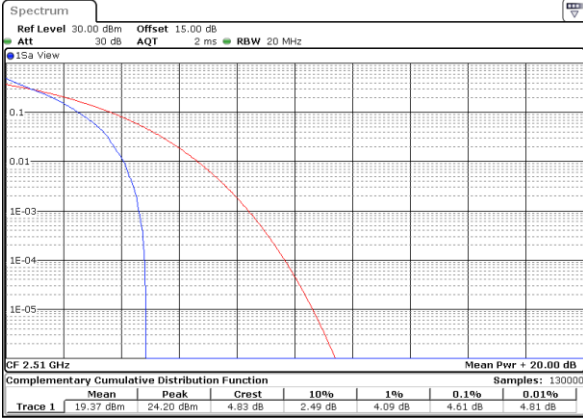
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.61	4.96	5.83	5.91	PASS
Middle CH	4.49	5.25	5.36	6.20	
Highest CH	4.26	5.04	5.16	6.03	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.49	6.26	-	-	PASS
Middle CH	6.35	6.49	-	-	
Highest CH	5.71	6.26	-	-	



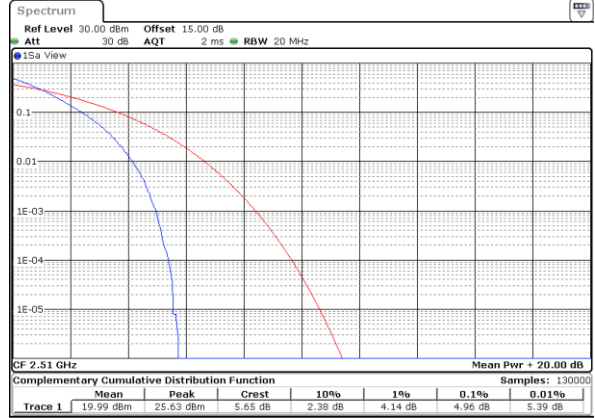
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



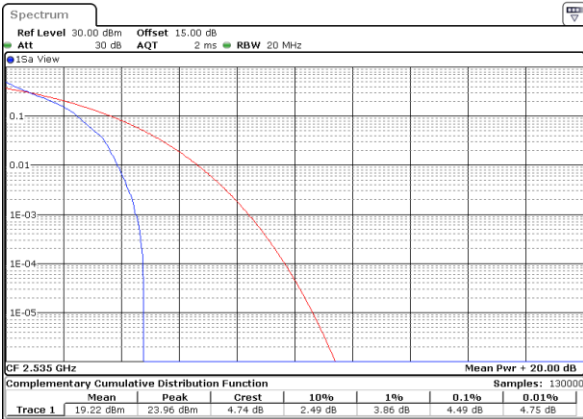
Date: 7_MAR_2023 19:04:24

Lowest Channel / Full RB



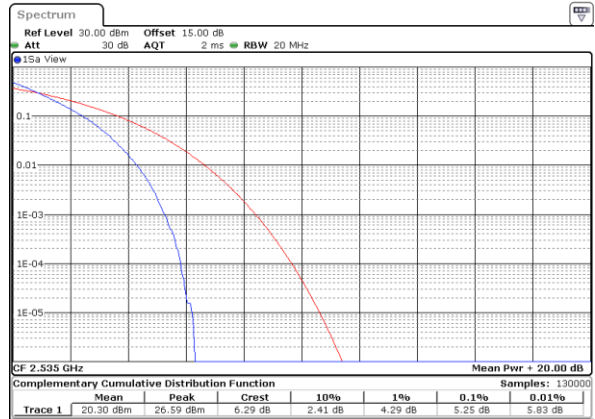
Date: 7_MAR_2023 19:04:50

Middle Channel / 1RB



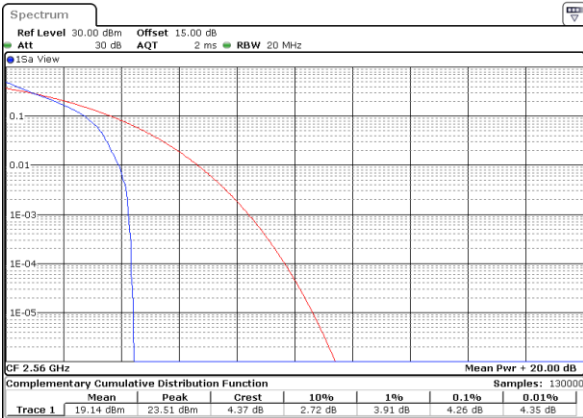
Date: 7_MAR_2023 19:05:16

Middle Channel / Full RB



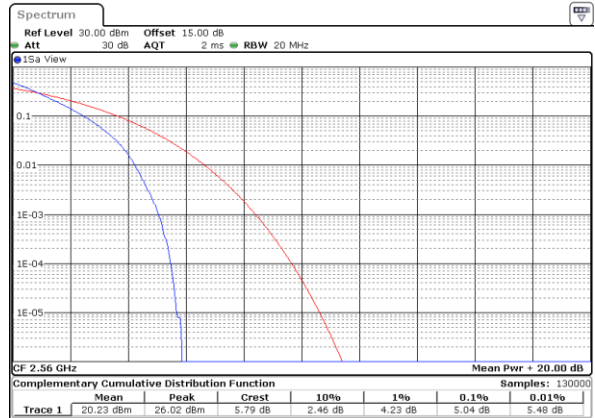
Date: 7_MAR_2023 19:05:41

Highest Channel / 1RB



Date: 7_MAR_2023 19:06:07

Highest Channel / Full RB

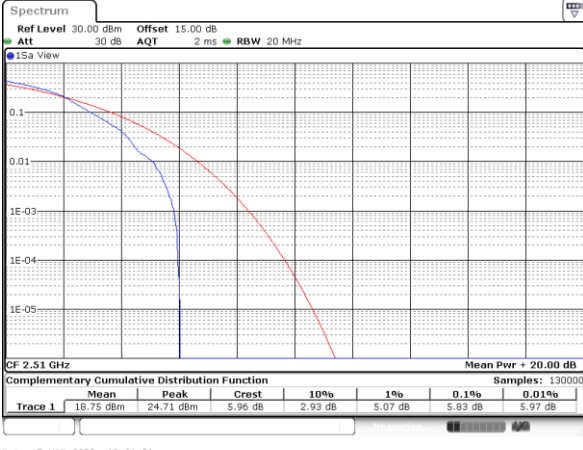


Date: 7_MAR_2023 19:06:33



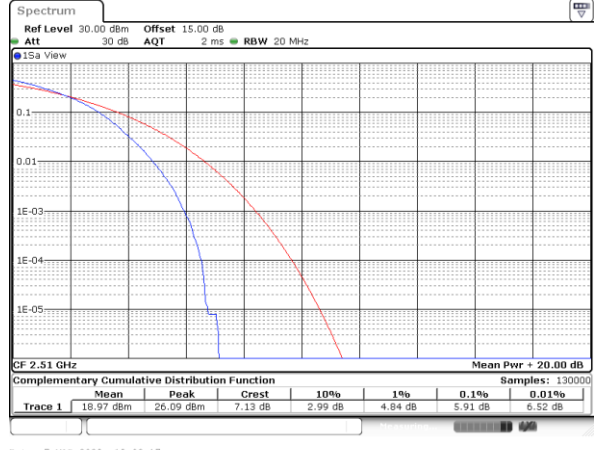
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



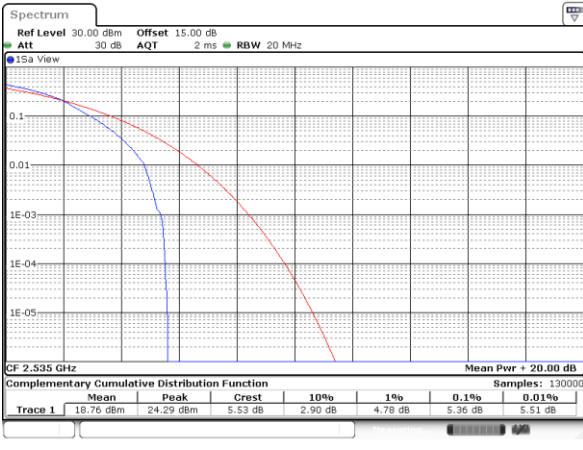
Date: 7_MAR_2023 19:01:51

Lowest Channel / Full RB



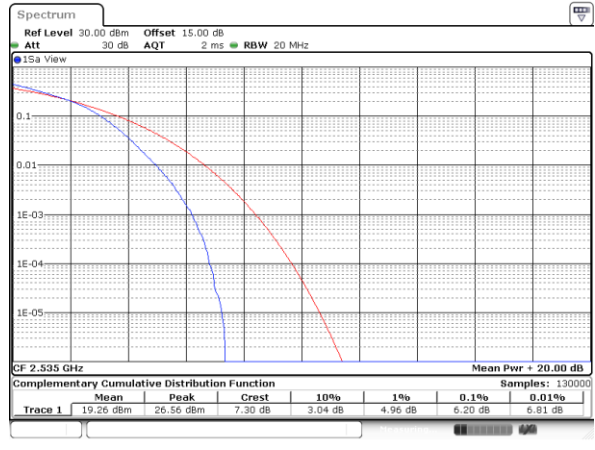
Date: 7_MAR_2023 19:02:17

Middle Channel / 1RB



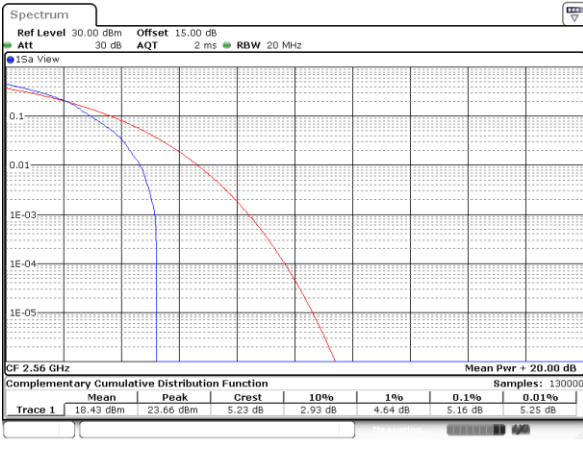
Date: 7_MAR_2023 19:02:42

Middle Channel / Full RB



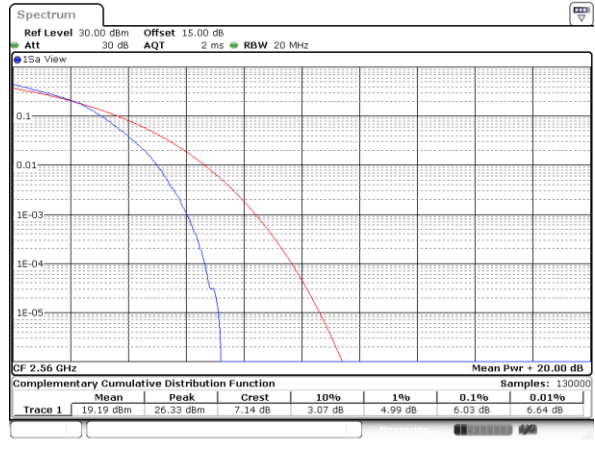
Date: 7_MAR_2023 19:03:07

Highest Channel / 1RB



Date: 7_MAR_2023 19:03:33

Highest Channel / Full RB

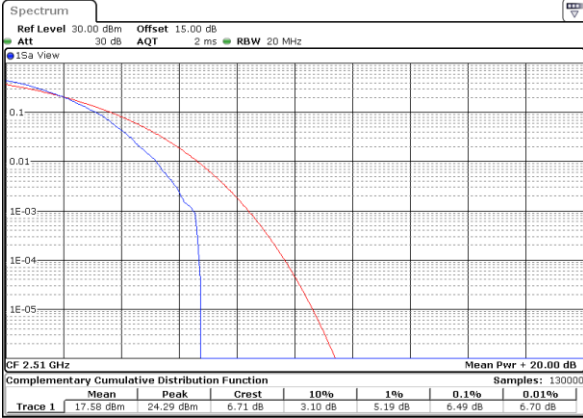


Date: 7_MAR_2023 19:03:59



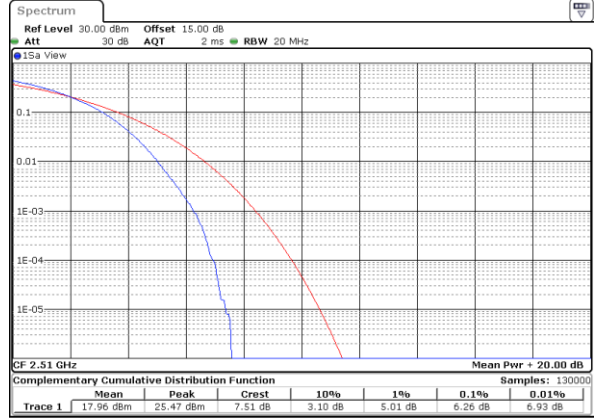
LTE Band 7 / 20MHz / 64QAM

Lowest Channel / 1RB



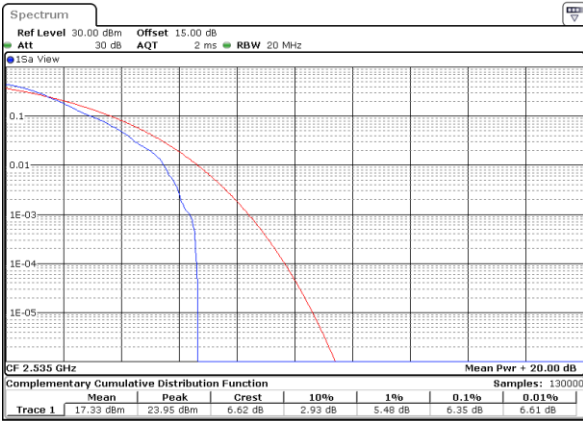
Date: 7_MAR_2023 19:06:58

Lowest Channel / Full RB



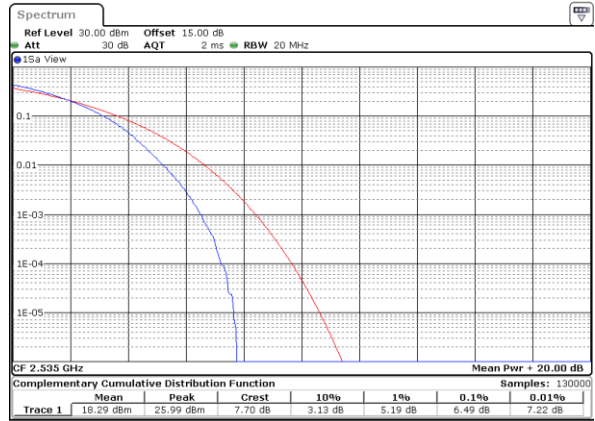
Date: 7_MAR_2023 19:07:24

Middle Channel / 1RB



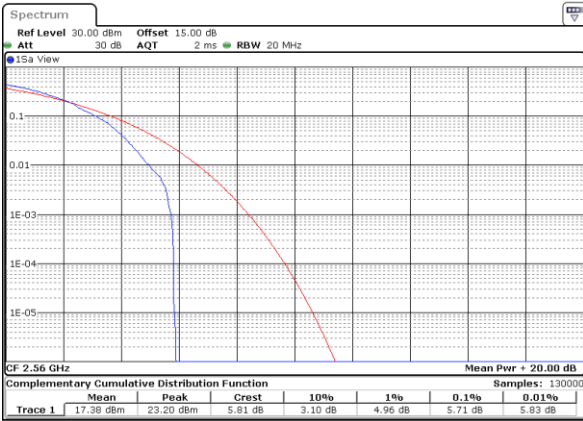
Date: 7_MAR_2023 19:07:50

Middle Channel / Full RB



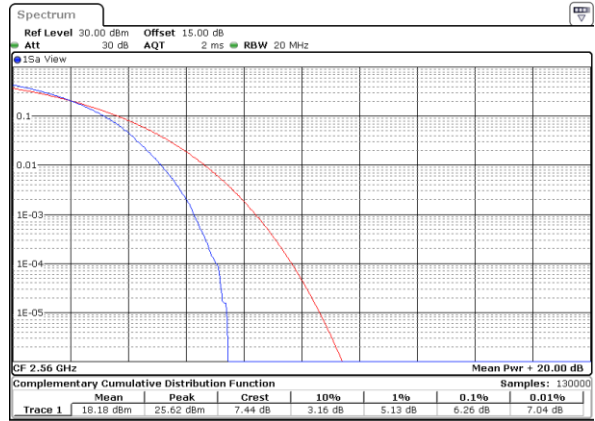
Date: 7_MAR_2023 19:08:15

Highest Channel / 1RB



Date: 7_MAR_2023 19:08:40

Highest Channel / Full RB



Date: 7_MAR_2023 19:09:05



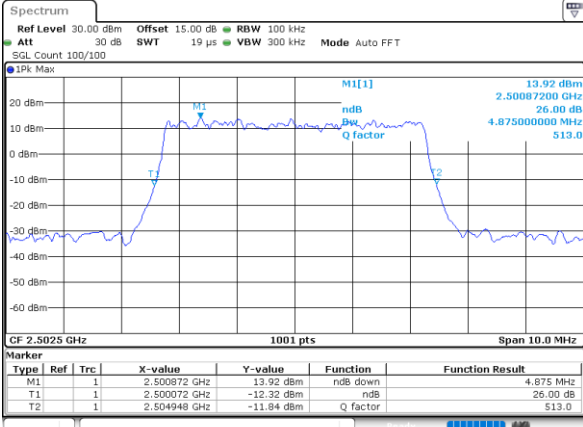
26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)											
BW	NA		NA		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.88	4.88	9.67	9.69	14.27	14.21	18.86	18.78
Middle CH	-	-	-	-	4.88	4.85	9.81	9.79	14.36	14.48	18.86	18.90
Highest CH	-	-	-	-	4.90	4.96	9.79	9.79	14.27	14.36	18.74	18.94
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	NA		NA		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.90	-	9.69	-	14.54	-	19.06	-
Middle CH	-	-	-	-	4.89	-	9.91	-	14.39	-	18.90	-
Highest CH	-	-	-	-	4.98	-	9.77	-	14.33	-	18.78	-



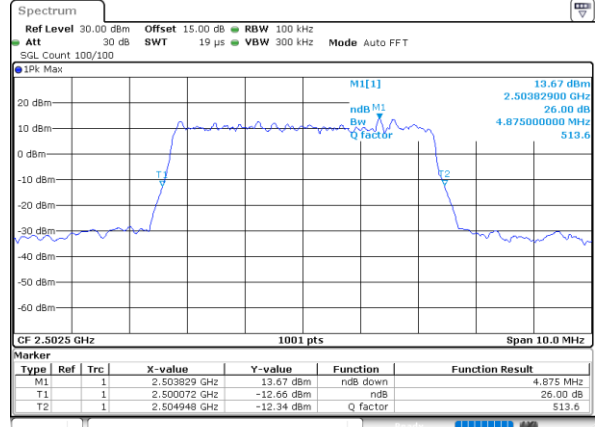
LTE Band 7

Lowest Channel / 5MHz / QPSK



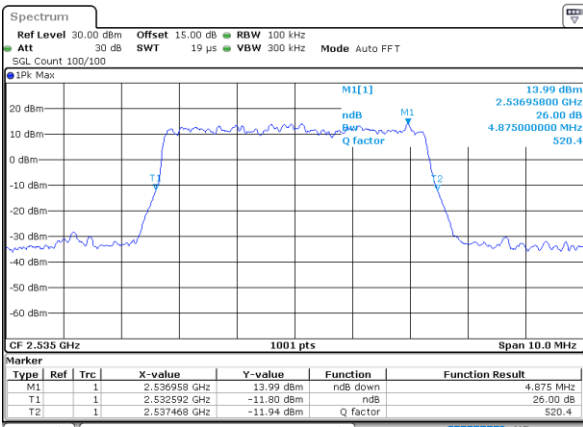
Date: 7_MAR_2023 15:25:24

Lowest Channel / 5MHz / 16QAM



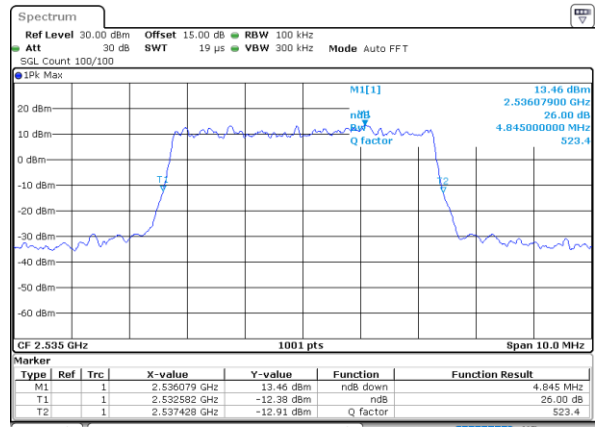
Date: 7_MAR_2023 15:25:48

Middle Channel / 5MHz / QPSK



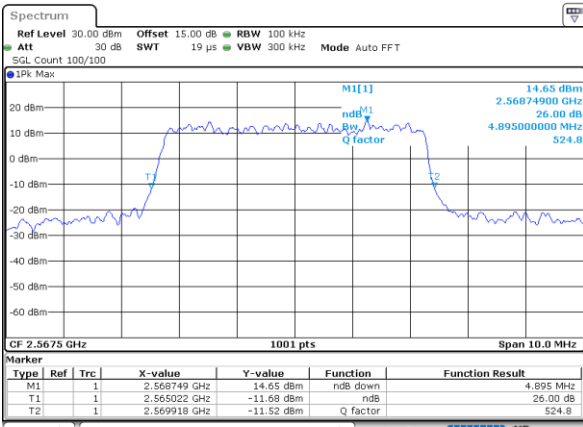
Date: 7_MAR_2023 15:35:39

Middle Channel / 5MHz / 16QAM



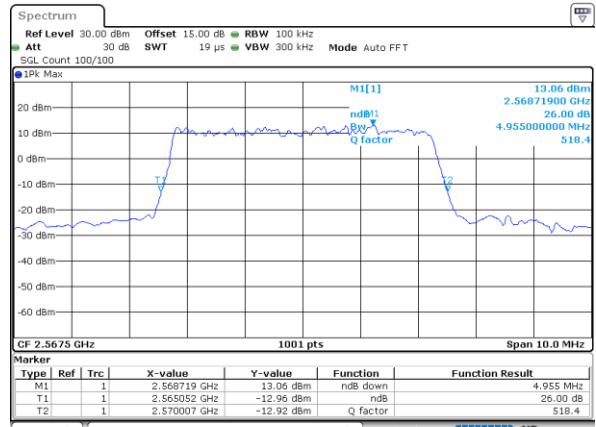
Date: 7_MAR_2023 15:36:03

Highest Channel / 5MHz / QPSK



Date: 7_MAR_2023 15:39:39

Highest Channel / 5MHz / 16QAM



Date: 7_MAR_2023 15:40:03