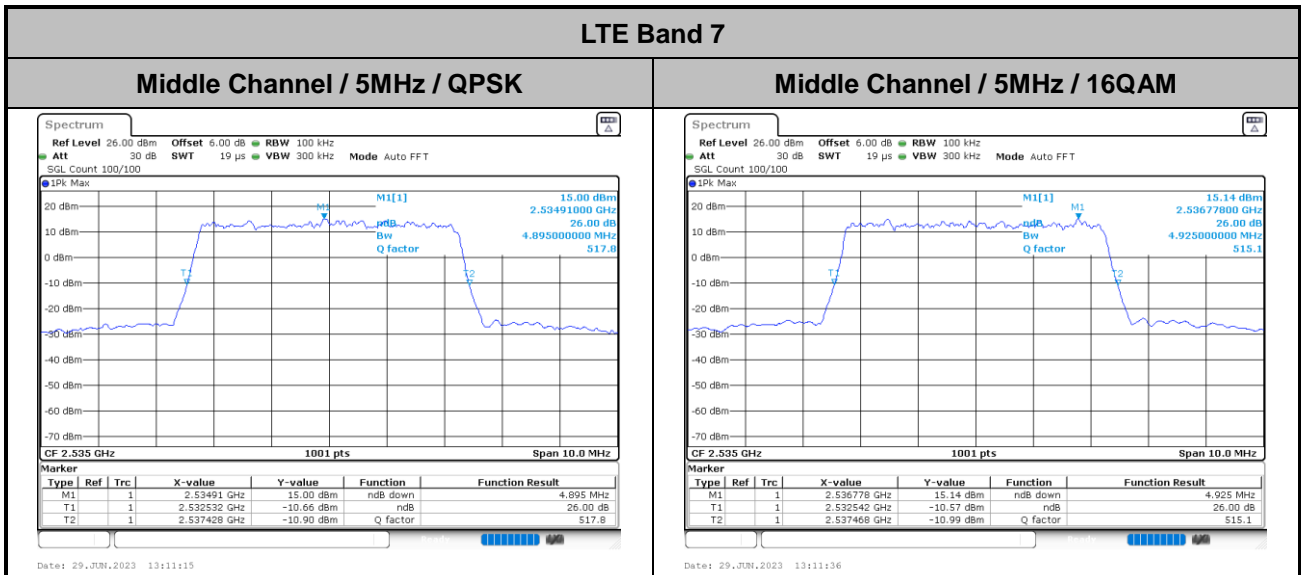




26dB Bandwidth

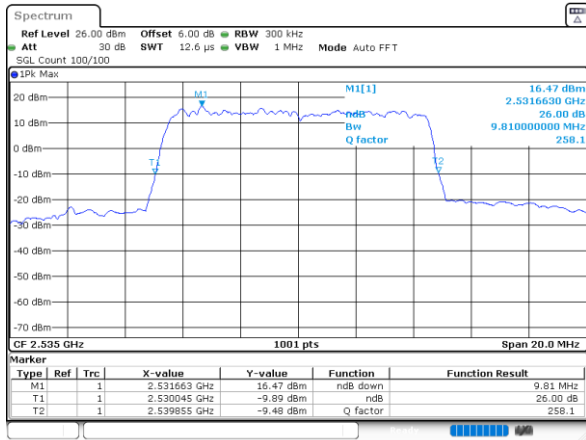
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.90	4.93
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.81	9.85
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.30	14.42
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.22	19.10





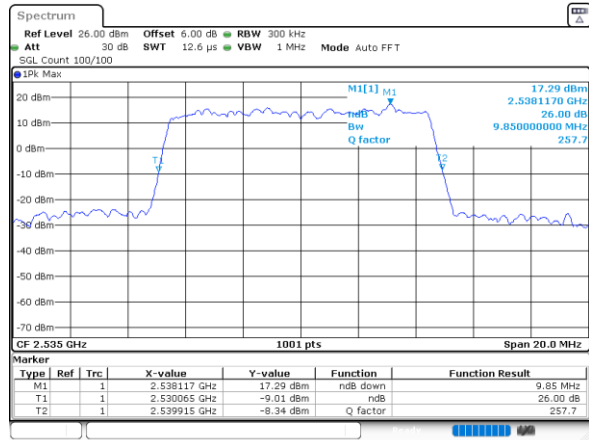
LTE Band 7

Middle Channel / 10MHz / QPSK



Date: 29_JUN_2023 13:12:50

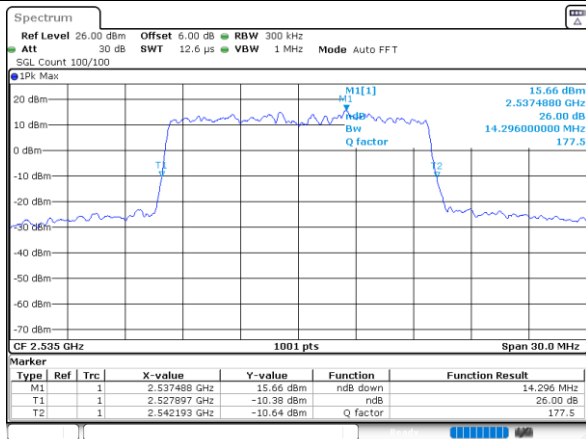
Middle Channel / 10MHz / 16QAM



Date: 29_JUN_2023 13:12:29

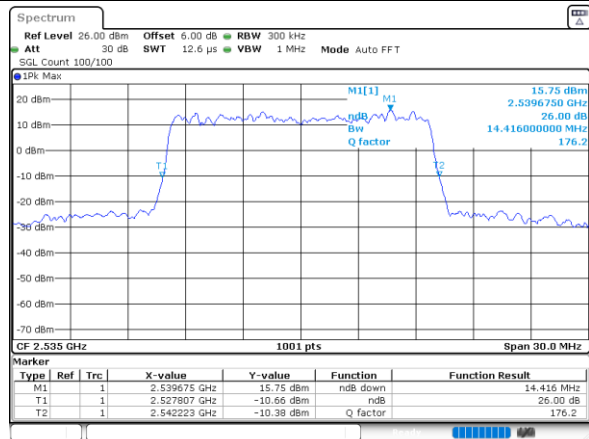
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 29_JUN_2023 13:33:43

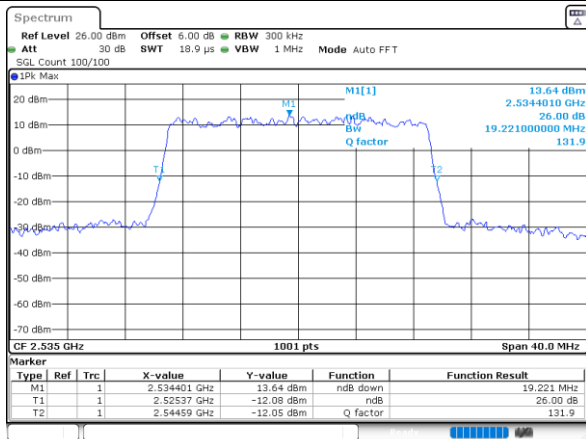
Middle Channel / 15MHz / 16QAM



Date: 29_JUN_2023 13:35:07

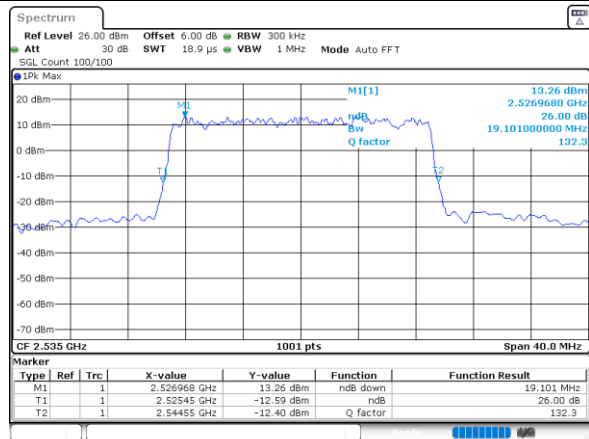
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 29_JUN_2023 13:52:53

Middle Channel / 20MHz / 16QAM

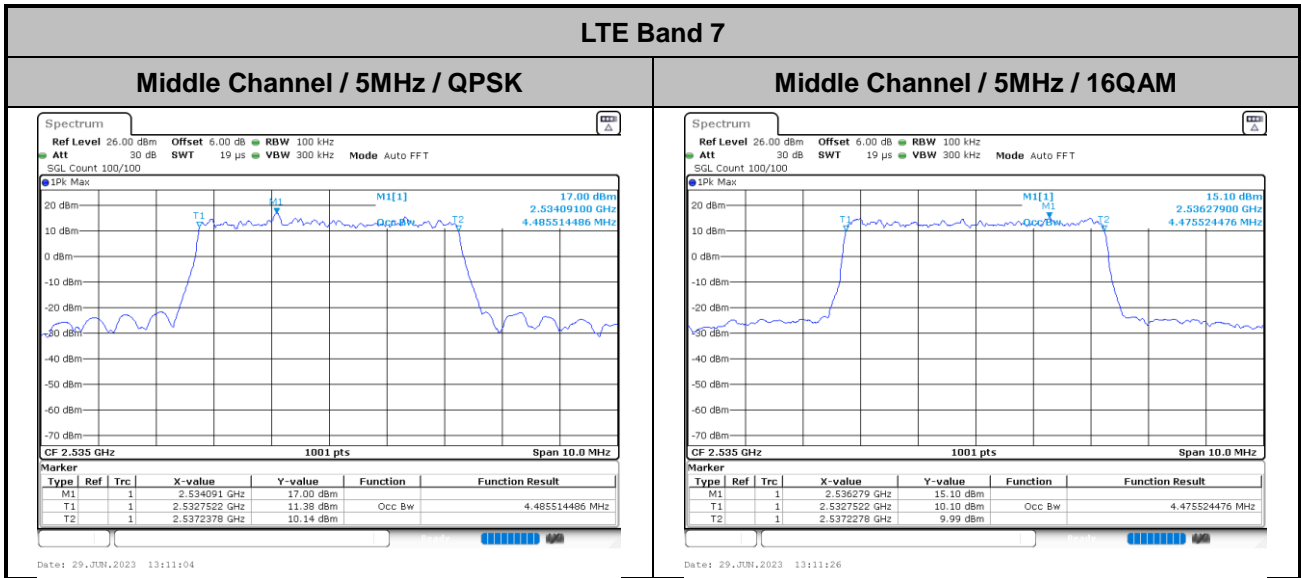


Date: 29_JUN_2023 13:53:16



Occupied Bandwidth

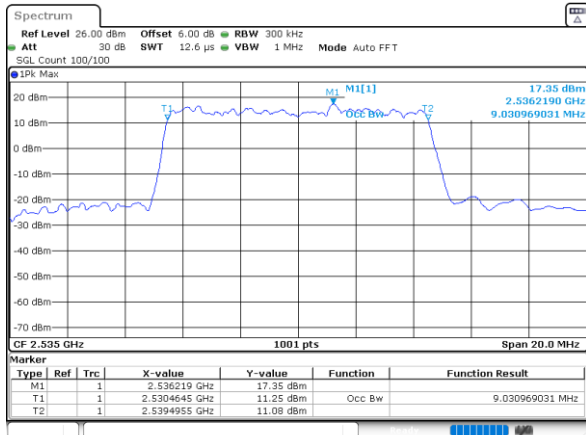
Mode	LTE Band 7 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.48
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.03
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.49	13.46
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.98





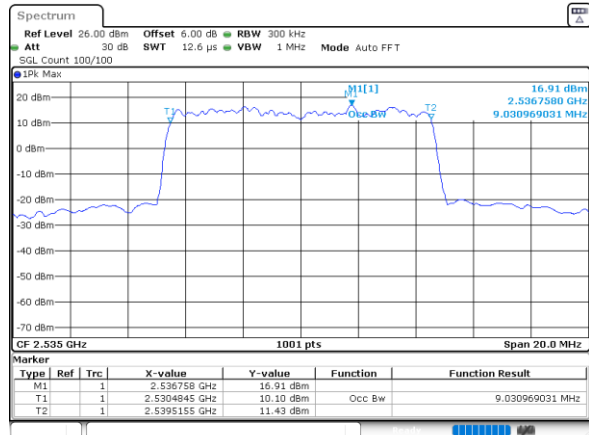
LTE Band 7

Middle Channel / 10MHz / QPSK



Date: 29_JUN_2023 13:12:41

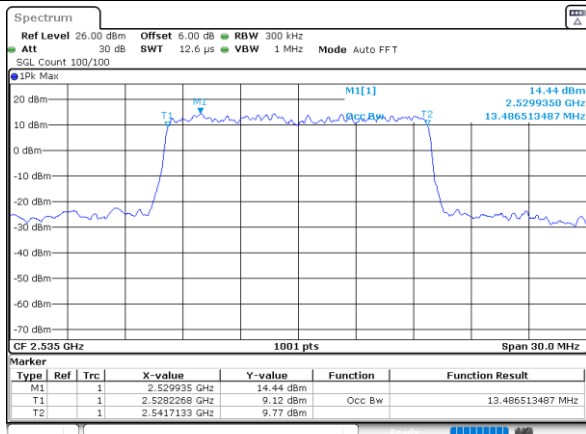
Middle Channel / 10MHz / 16QAM



Date: 29_JUN_2023 13:12:20

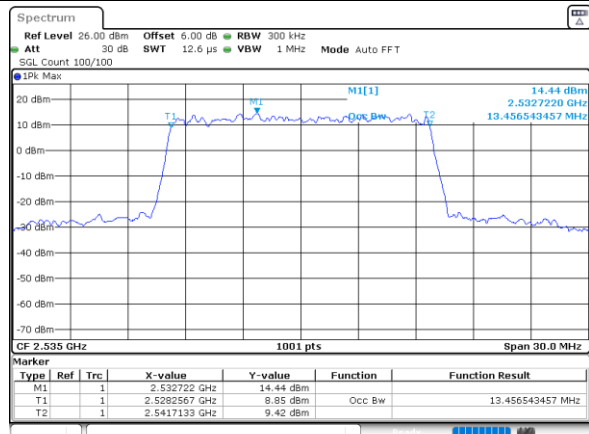
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 29_JUN_2023 13:33:34

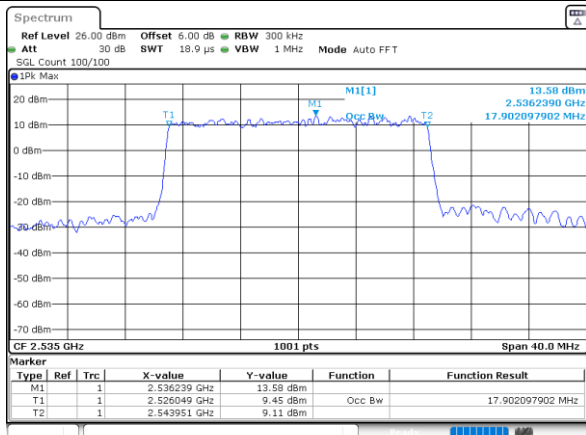
Middle Channel / 15MHz / 16QAM



Date: 29_JUN_2023 13:33:56

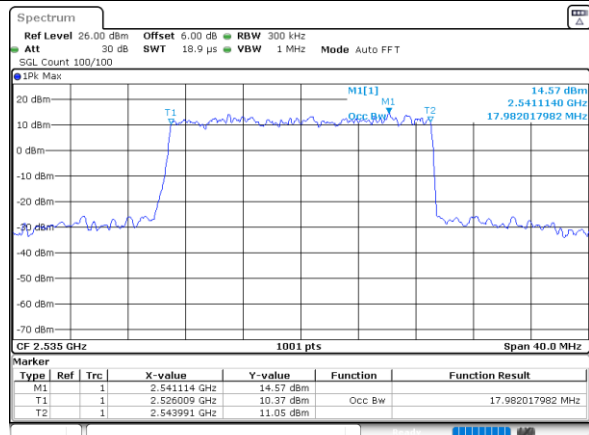
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 29_JUN_2023 13:52:40

Middle Channel / 20MHz / 16QAM



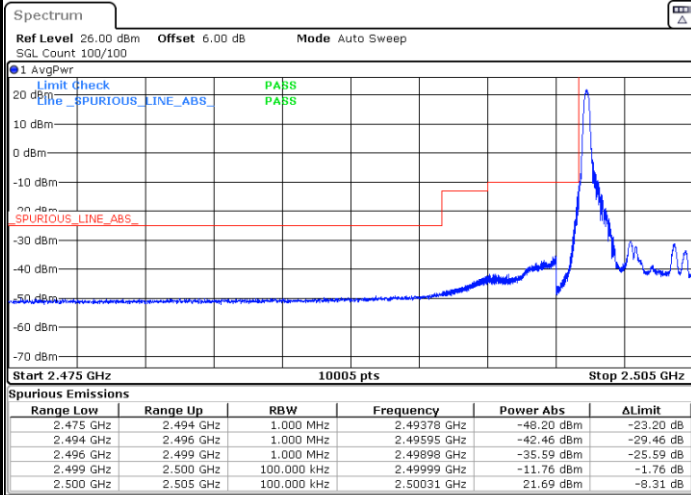
Date: 29_JUN_2023 13:53:06



Conducted Band Edge

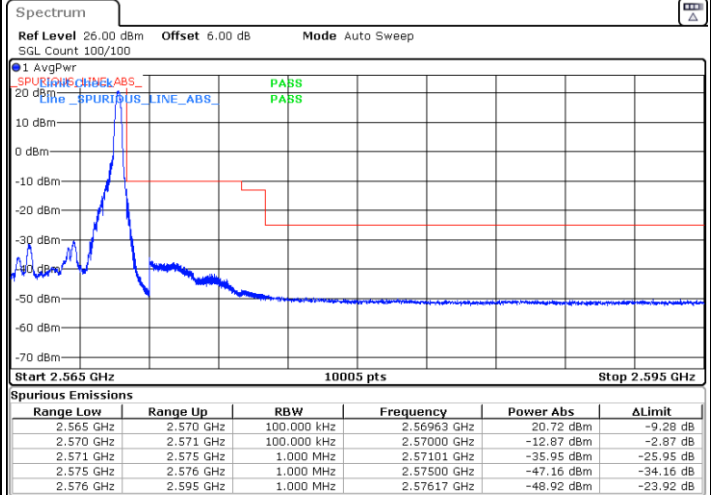
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



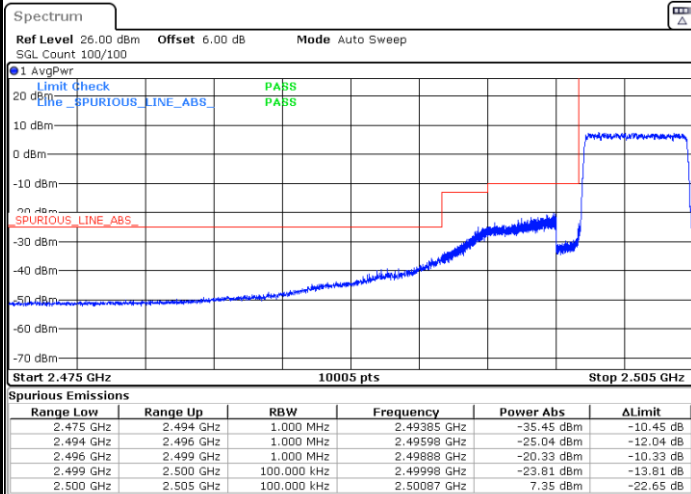
Date: 29.JUN.2023 12:56:56

Highest Band Edge / 1 RB



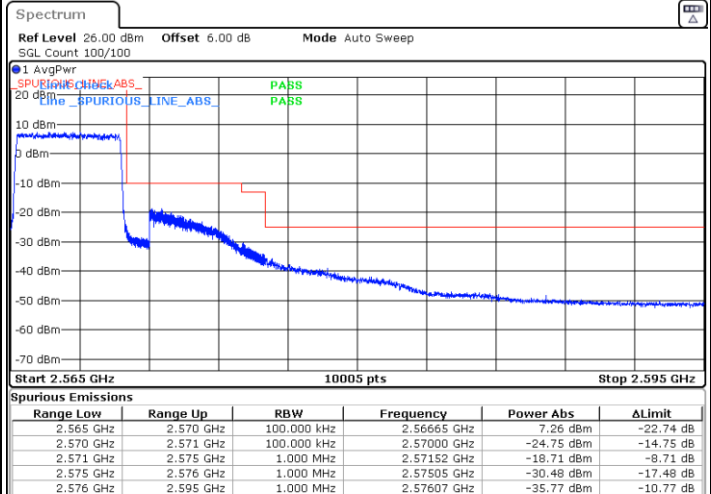
Date: 29.JUN.2023 13:10:17

Lowest Band Edge / Full RB



Date: 29.JUN.2023 13:01:52

Highest Band Edge / Full RB

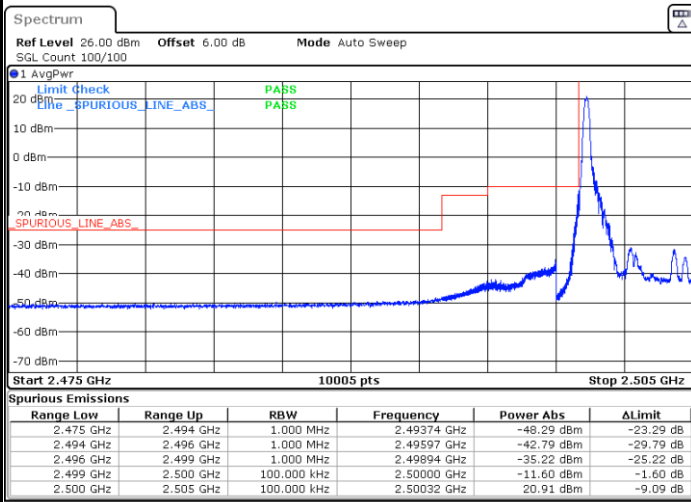


Date: 29.JUN.2023 13:06:43



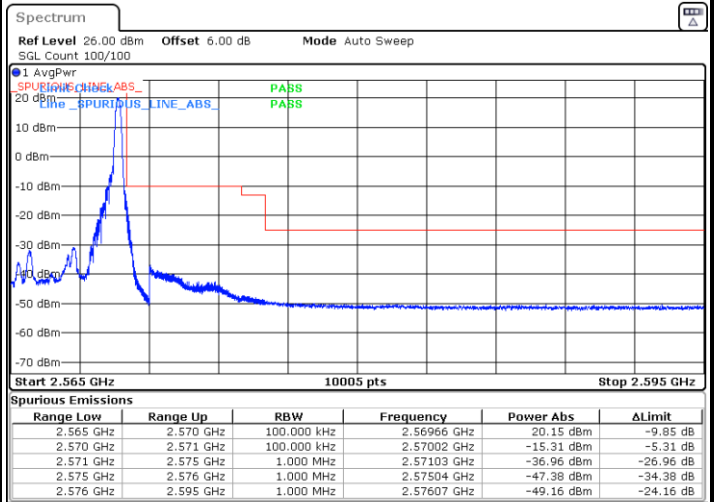
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



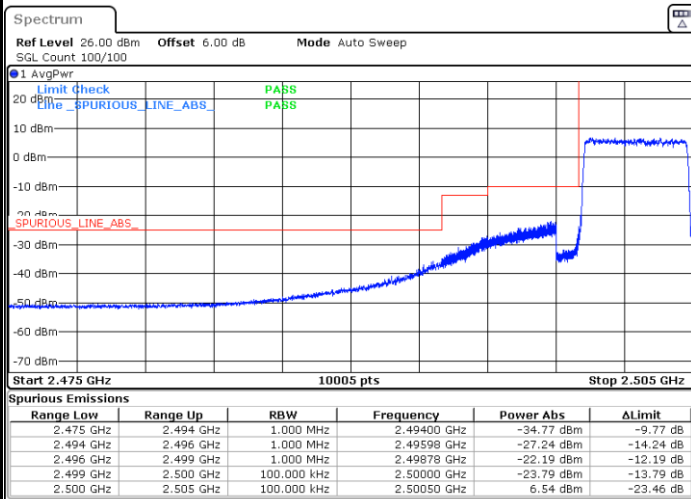
Date: 29 JUN 2023 12:58:07

Highest Band Edge / 1 RB



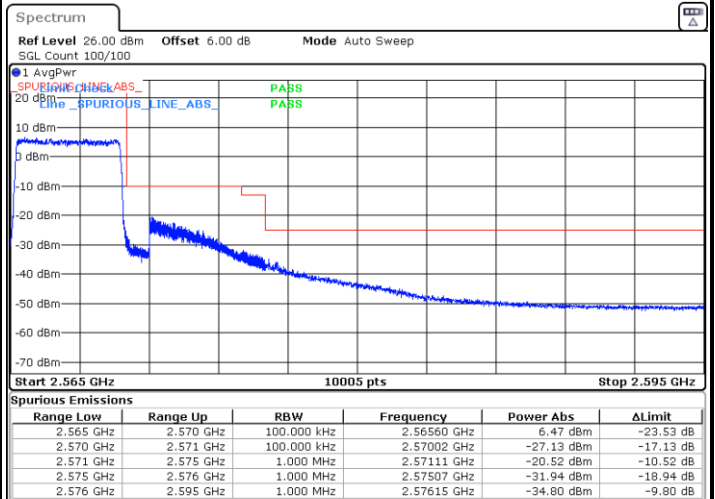
Date: 29 JUN 2023 13:09:43

Lowest Band Edge / Full RB



Date: 29 JUN 2023 13:01:24

Highest Band Edge / Full RB

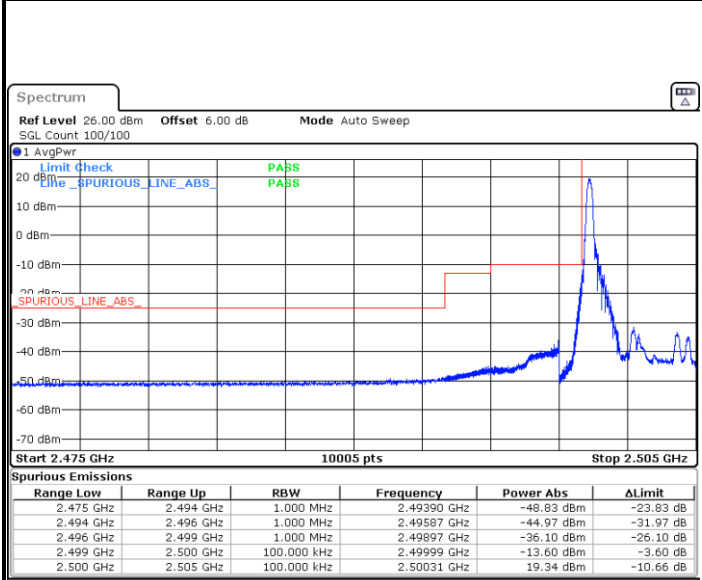


Date: 29 JUN 2023 13:08:11



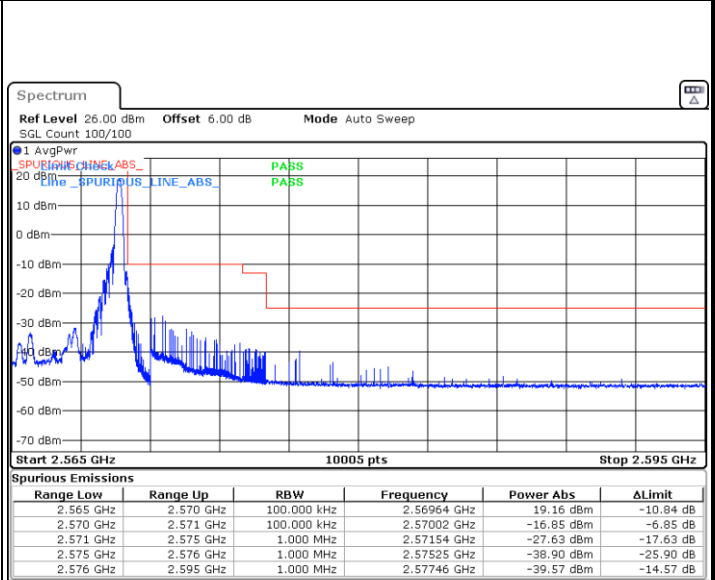
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



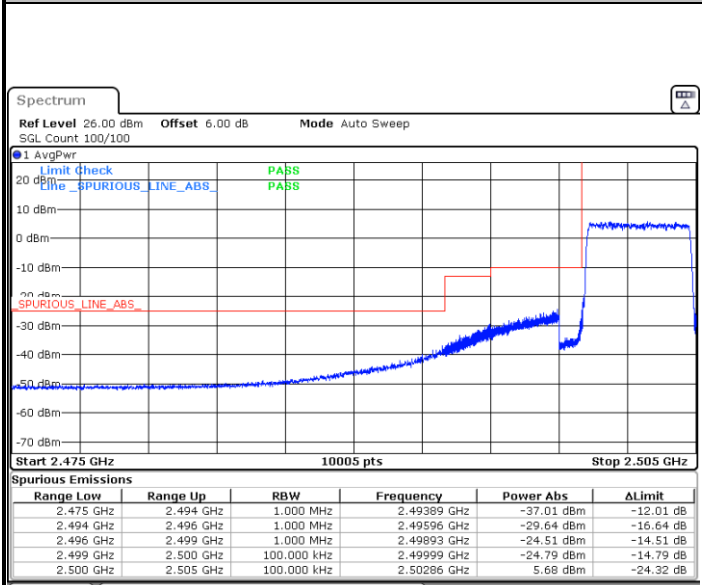
Date: 29 JUN 2023 12:59:17

Highest Band Edge / 1 RB



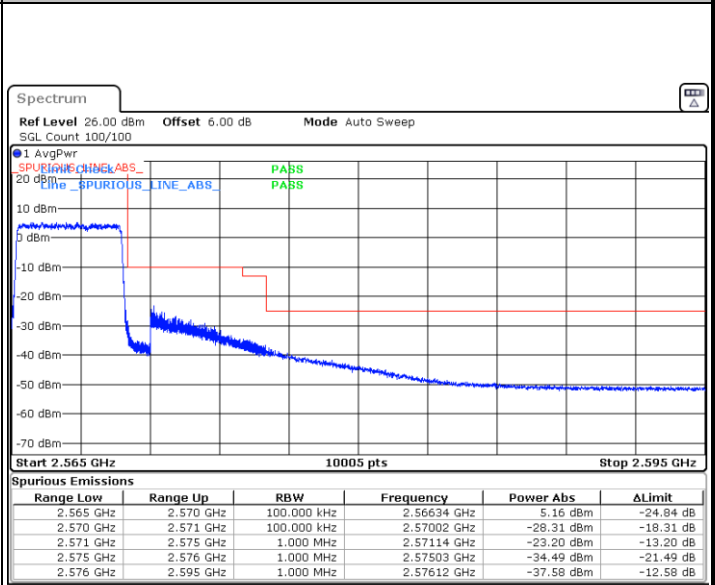
Date: 29 JUN 2023 13:09:14

Lowest Band Edge / Full RB



Date: 29 JUN 2023 13:00:59

Highest Band Edge / Full RB

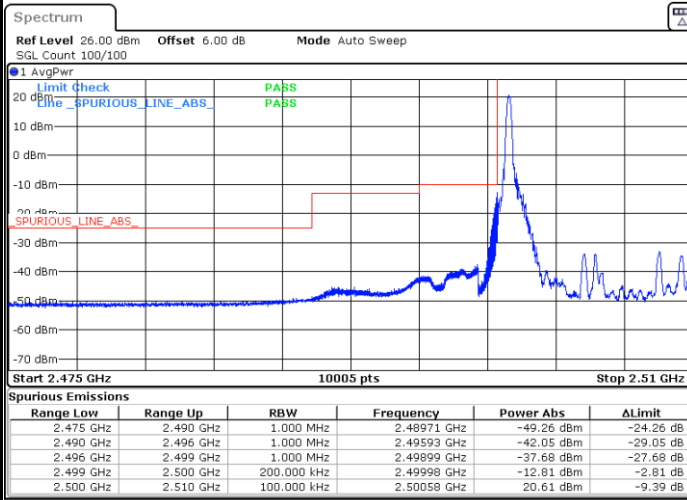


Date: 29 JUN 2023 13:08:43



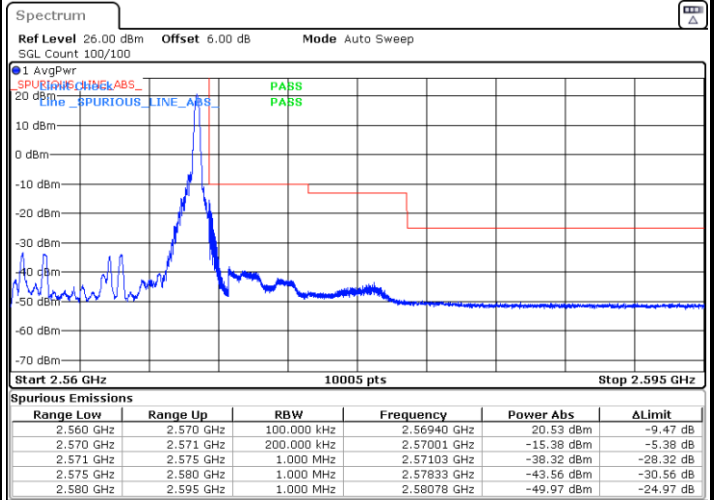
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



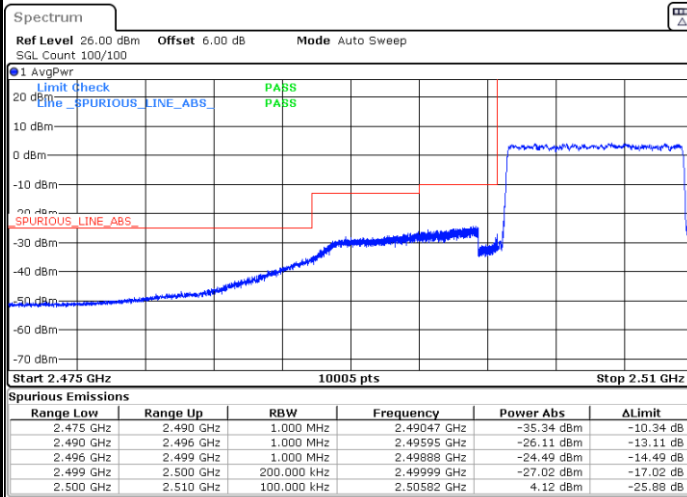
Date: 29 JUN 2023 13:19:38

Highest Band Edge / 1 RB



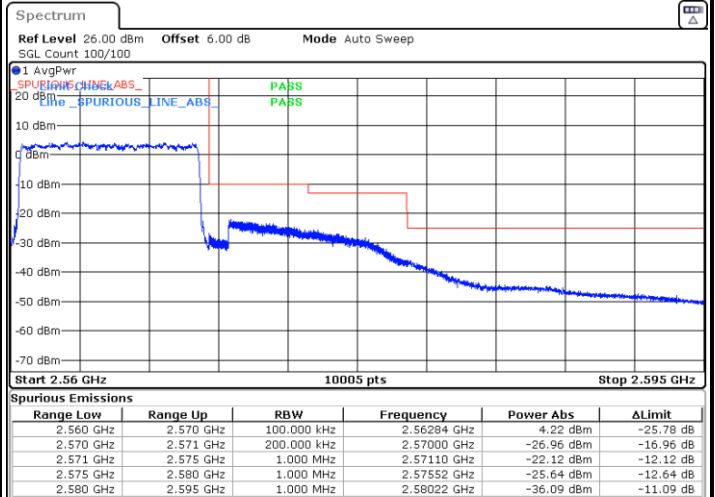
Date: 29 JUN 2023 13:25:56

Lowest Band Edge / Full RB



Date: 29 JUN 2023 13:15:33

Highest Band Edge / Full RB



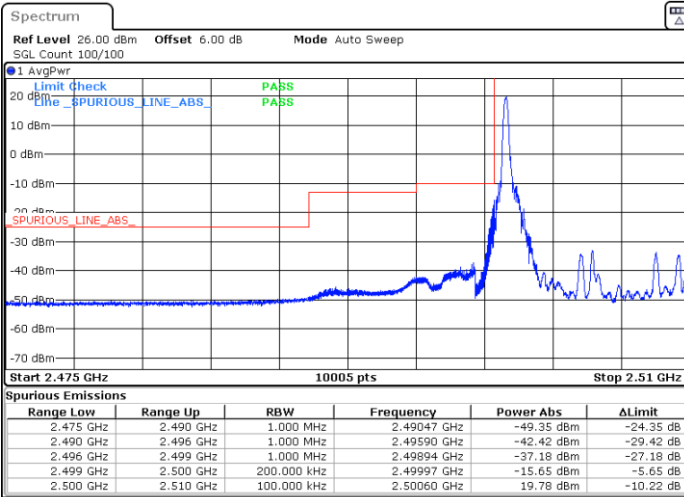
Date: 29 JUN 2023 13:23:42



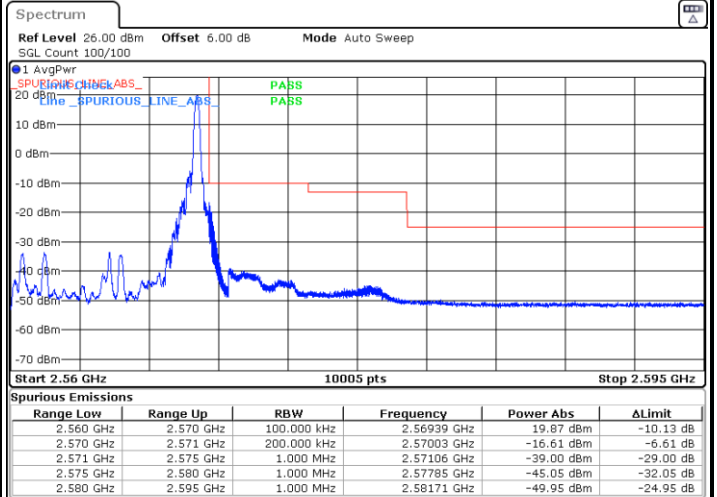
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



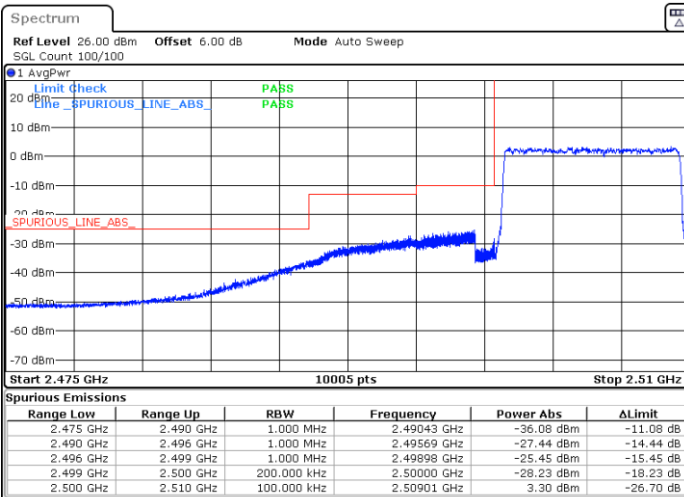
Date: 29 JUN 2023 13:19:15



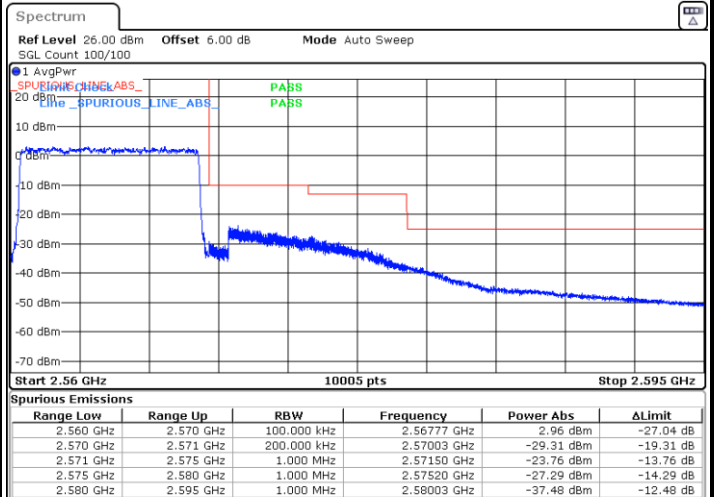
Date: 29 JUN 2023 13:25:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29 JUN 2023 13:17:06

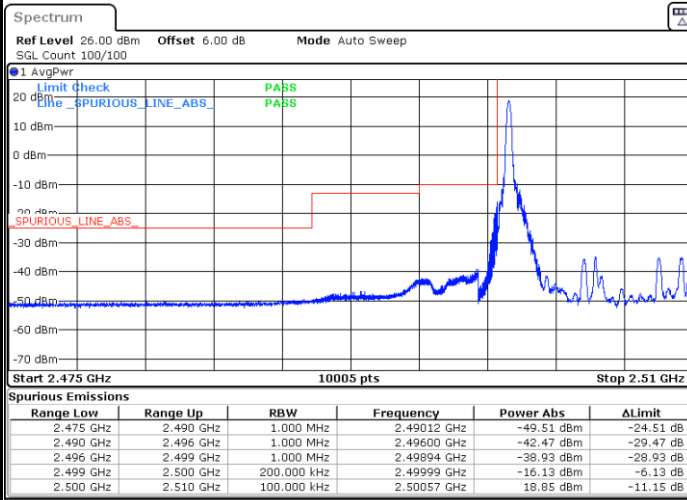


Date: 29 JUN 2023 13:24:09



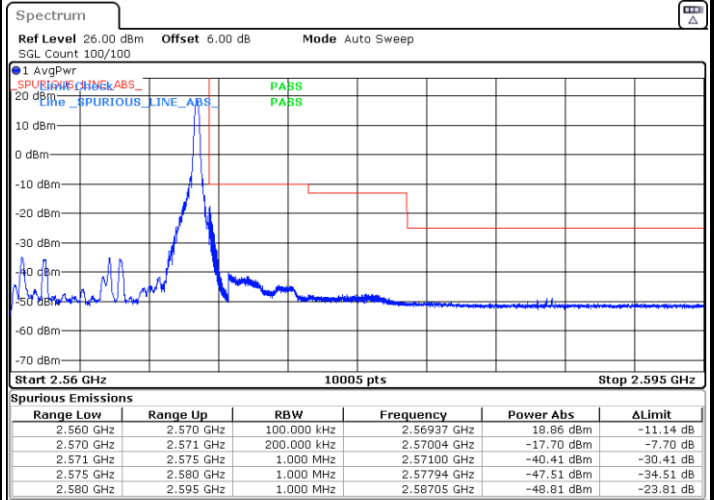
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



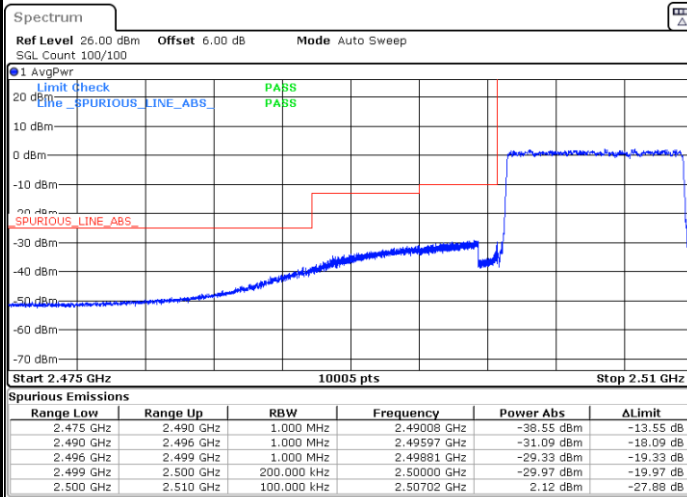
Date: 29 JUN 2023 13:18:51

Highest Band Edge / 1 RB



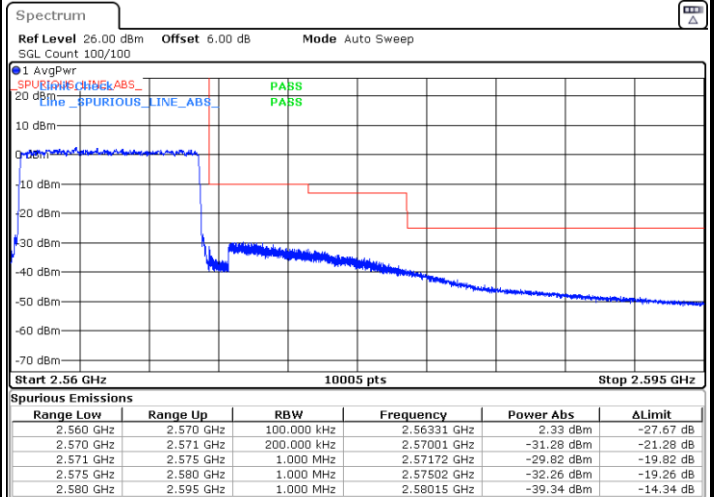
Date: 29 JUN 2023 13:25:09

Lowest Band Edge / Full RB



Date: 29 JUN 2023 13:17:29

Highest Band Edge / Full RB



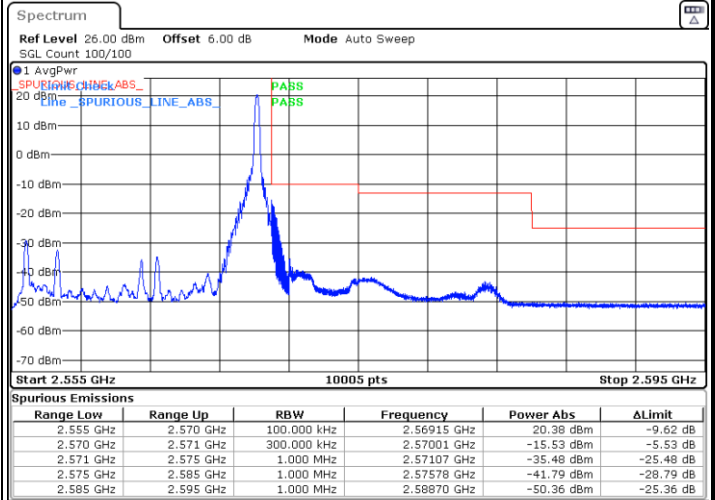
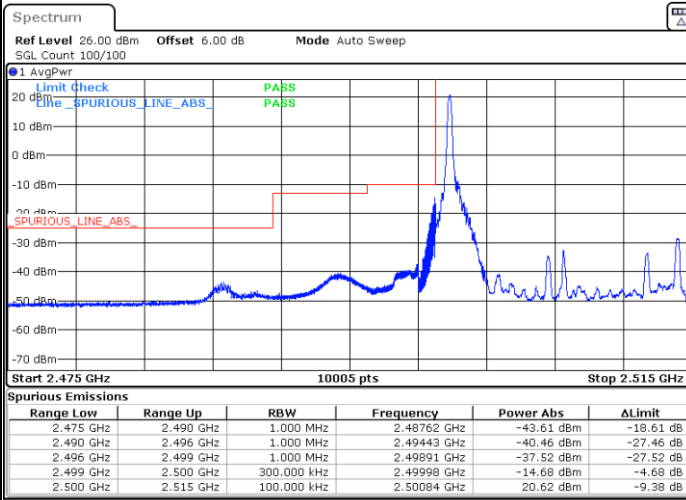
Date: 29 JUN 2023 13:24:37



LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

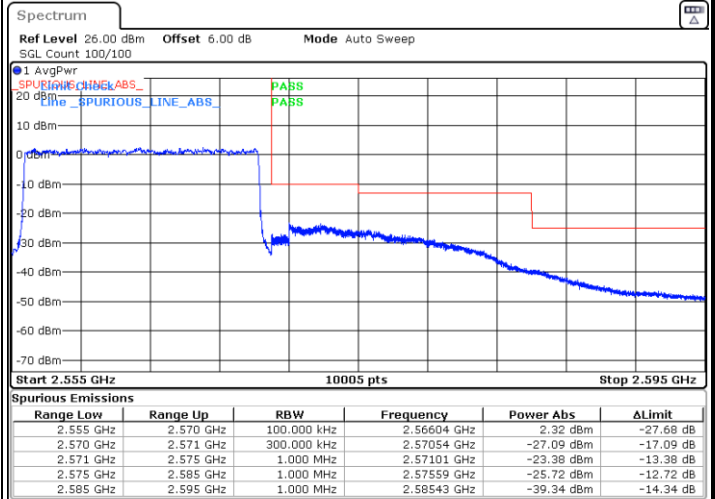
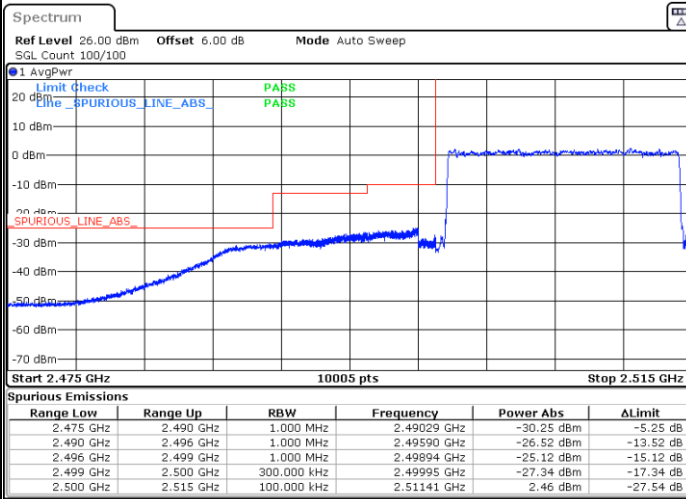


Date: 29 JUN 2023 13:27:02

Date: 29 JUN 2023 13:38:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29 JUN 2023 13:29:50

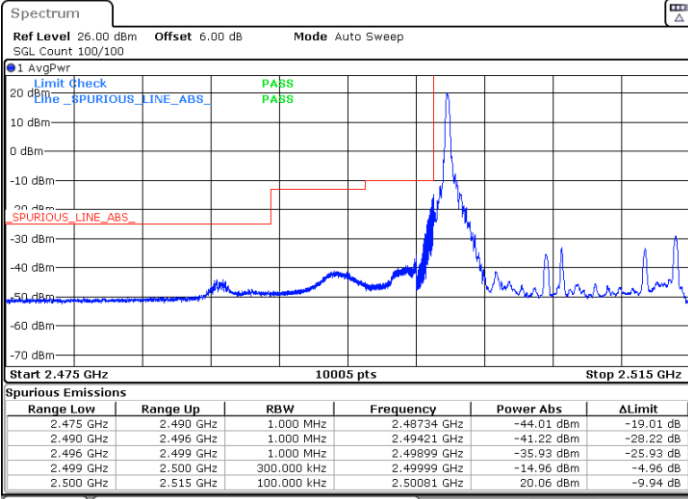
Date: 29 JUN 2023 13:35:54



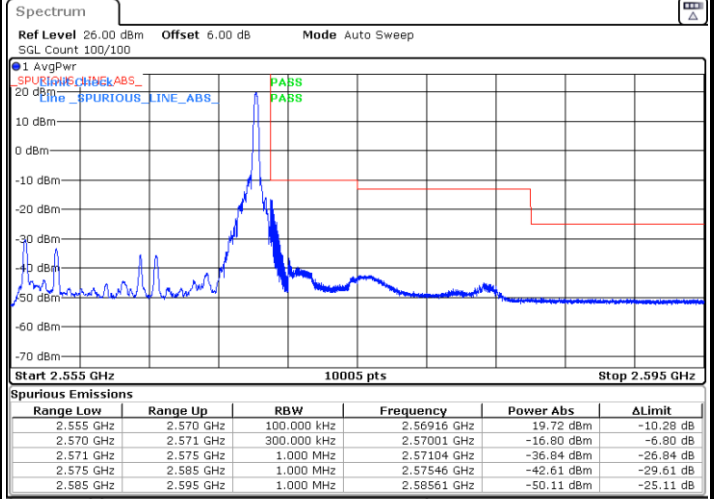
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



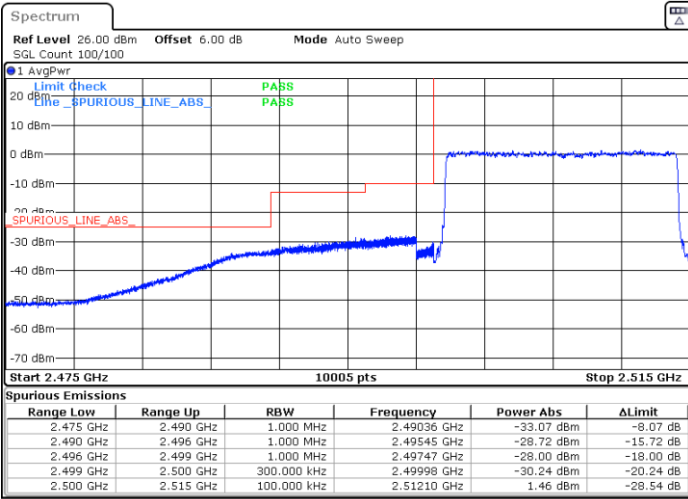
Date: 29 JUN 2023 13:27:25



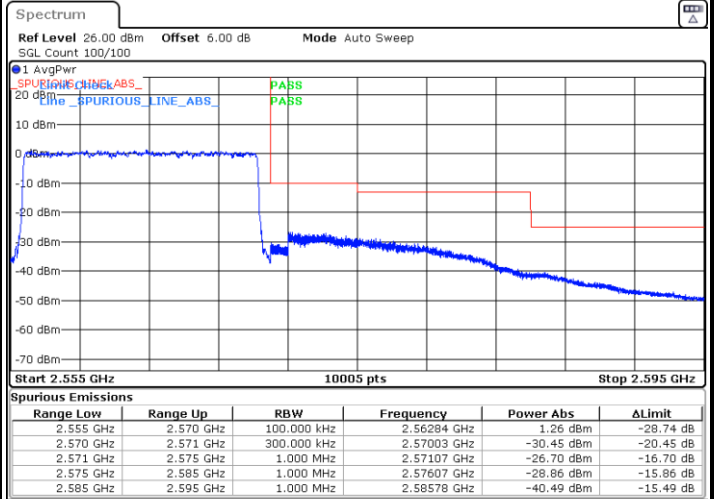
Date: 29 JUN 2023 13:37:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29 JUN 2023 13:28:49

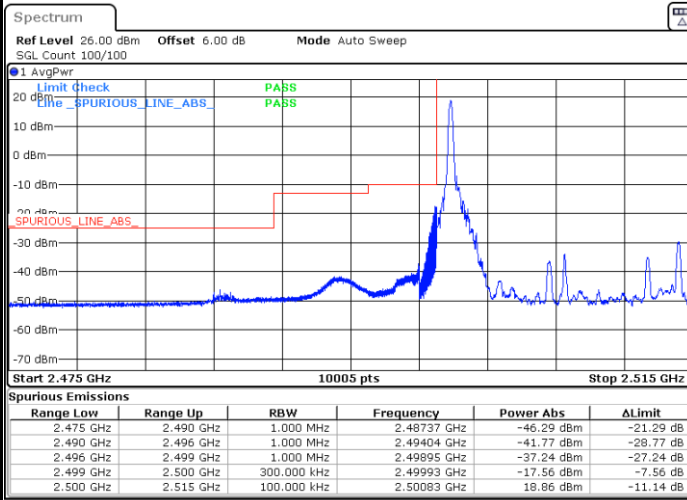


Date: 29 JUN 2023 13:36:17



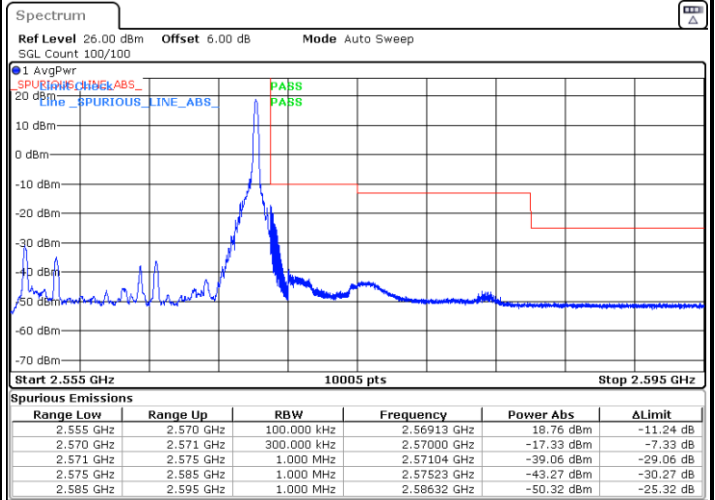
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



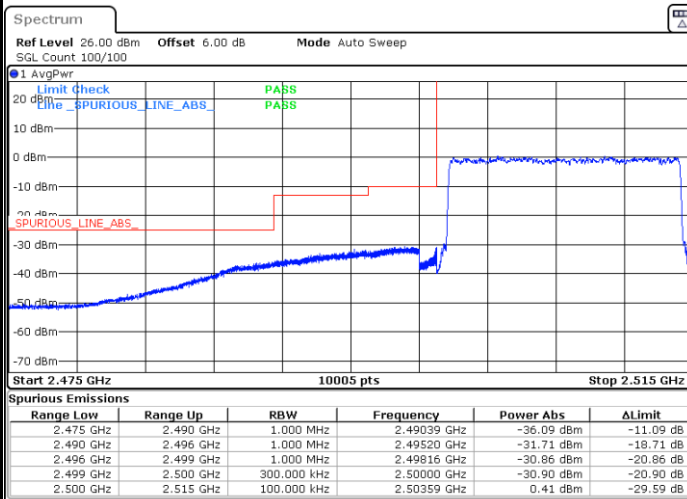
Date: 29 JUN 2023 13:27:48

Highest Band Edge / 1 RB



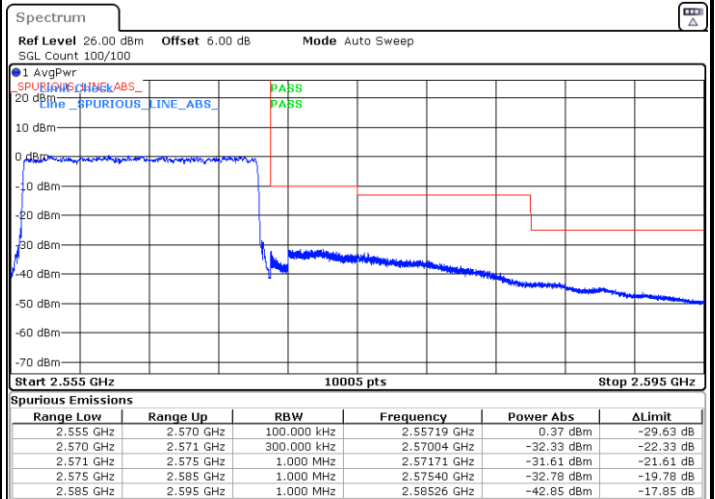
Date: 29 JUN 2023 13:37:20

Lowest Band Edge / Full RB



Date: 29 JUN 2023 13:28:18

Highest Band Edge / Full RB



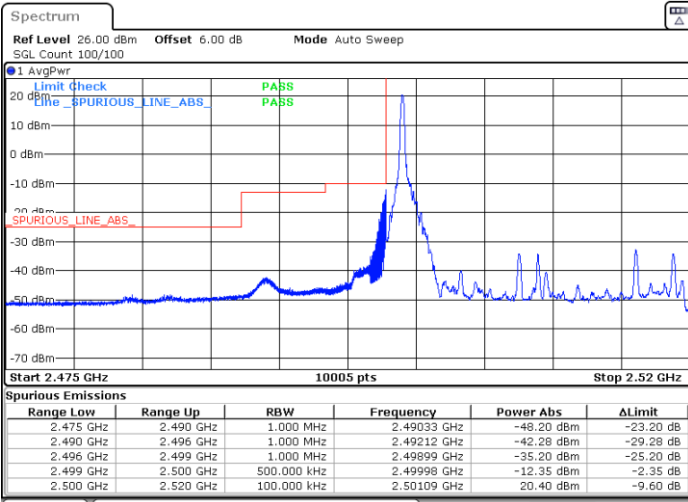
Date: 29 JUN 2023 13:36:42



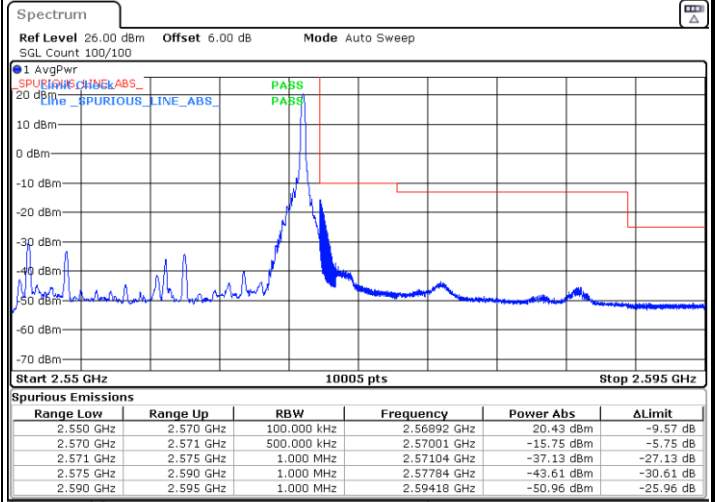
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



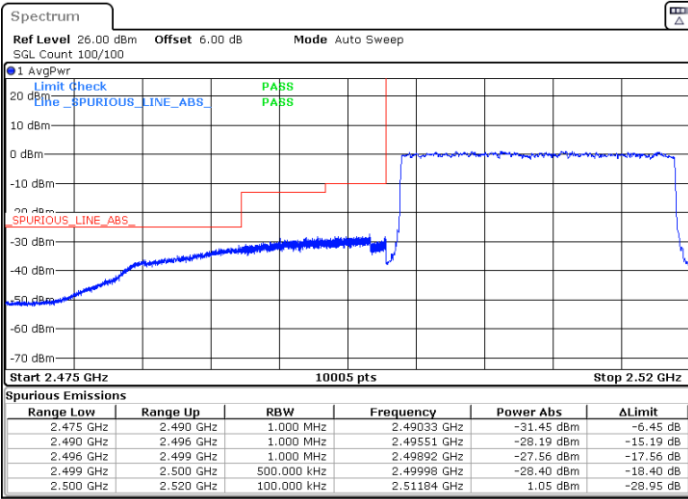
Date: 29 JUN 2023 13:40:21



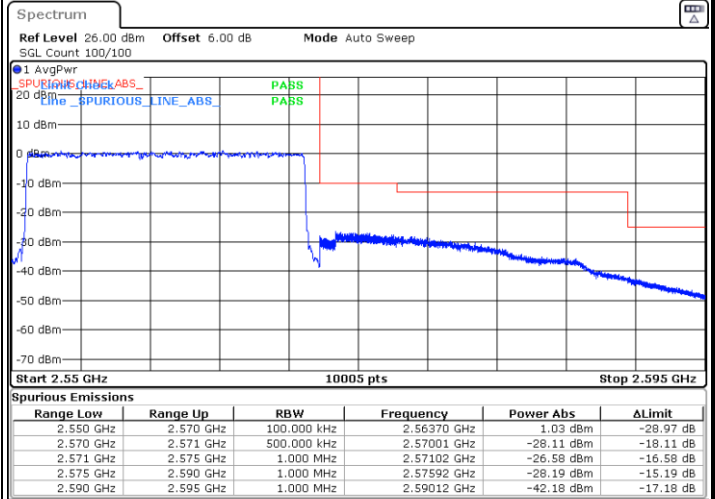
Date: 29 JUN 2023 13:51:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29 JUN 2023 13:45:08

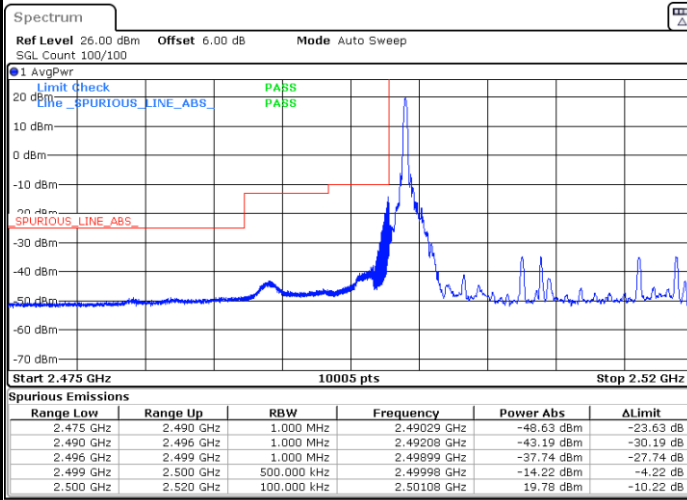


Date: 29 JUN 2023 13:49:17



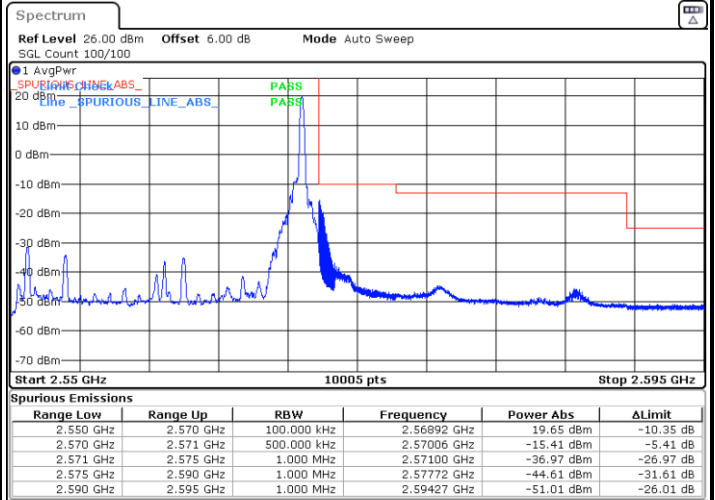
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



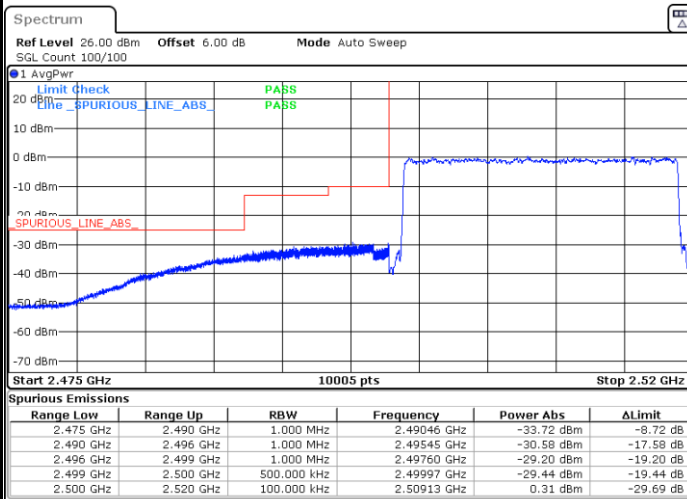
Date: 29 JUN 2023 13:41:26

Highest Band Edge / 1 RB



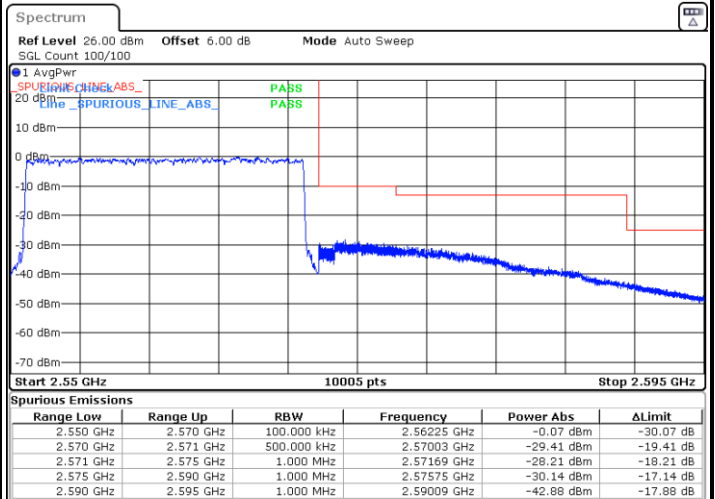
Date: 29 JUN 2023 13:51:31

Lowest Band Edge / Full RB



Date: 29 JUN 2023 13:43:18

Highest Band Edge / Full RB

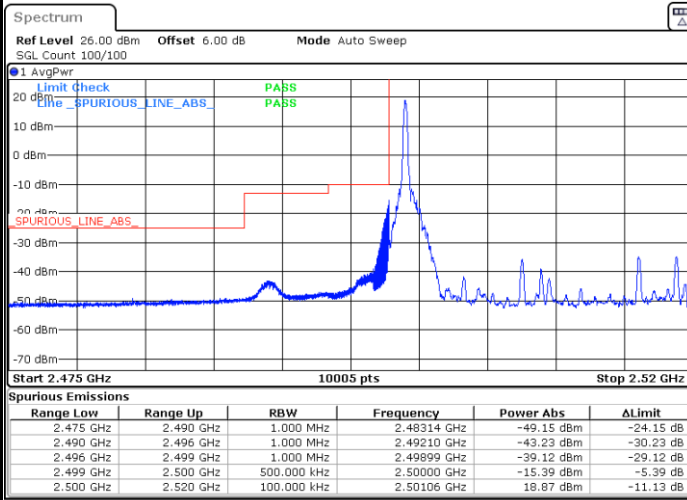


Date: 29 JUN 2023 13:49:49



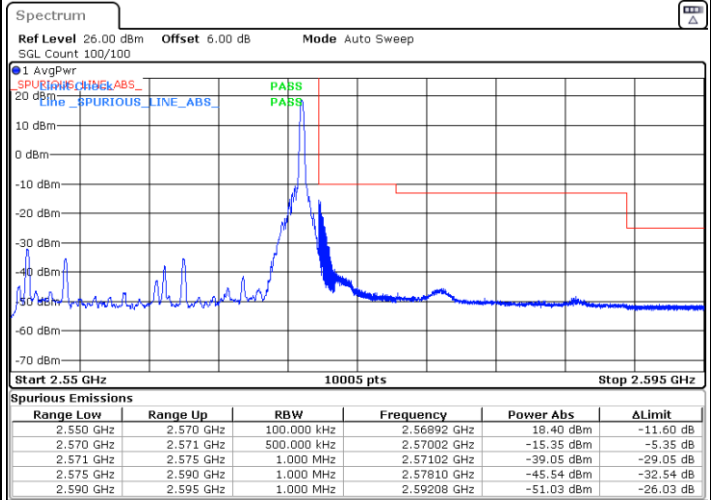
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



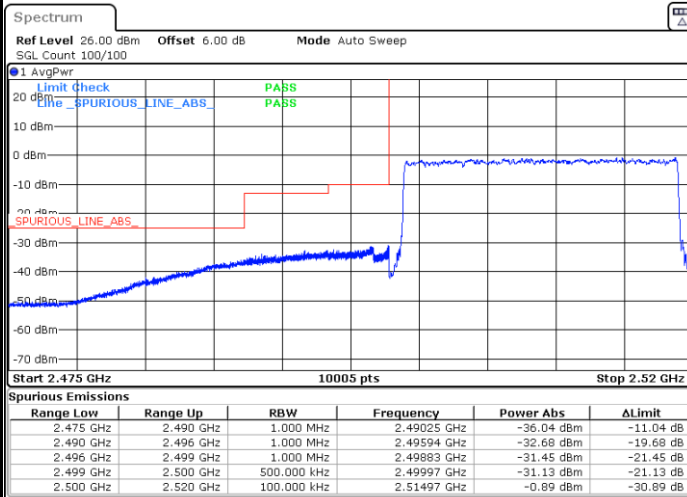
Date: 29 JUN. 2023 13:42:43

Highest Band Edge / 1 RB



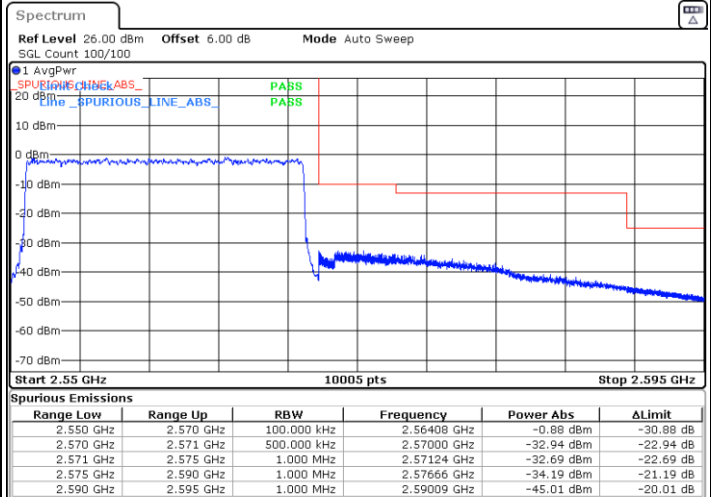
Date: 29 JUN. 2023 13:51:09

Lowest Band Edge / Full RB



Date: 29 JUN. 2023 13:43:08

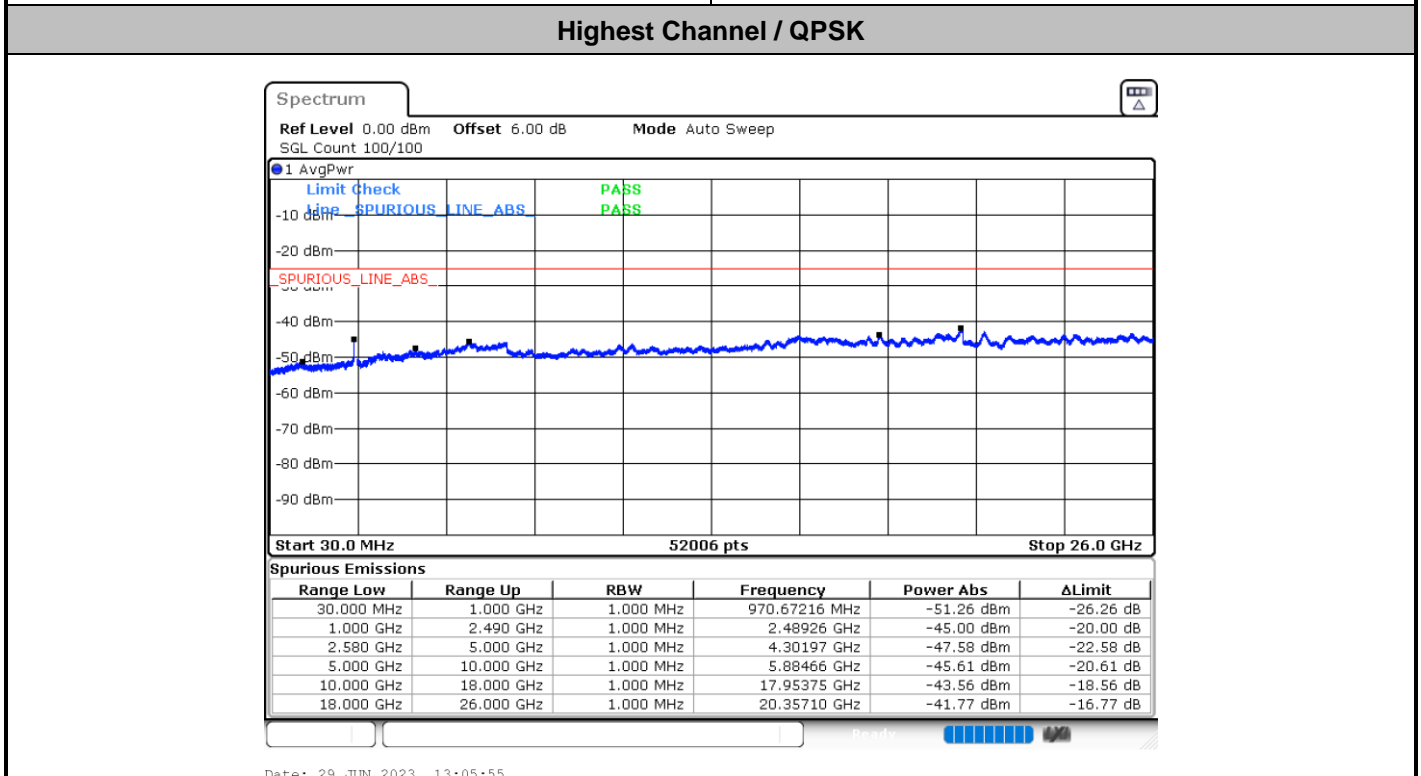
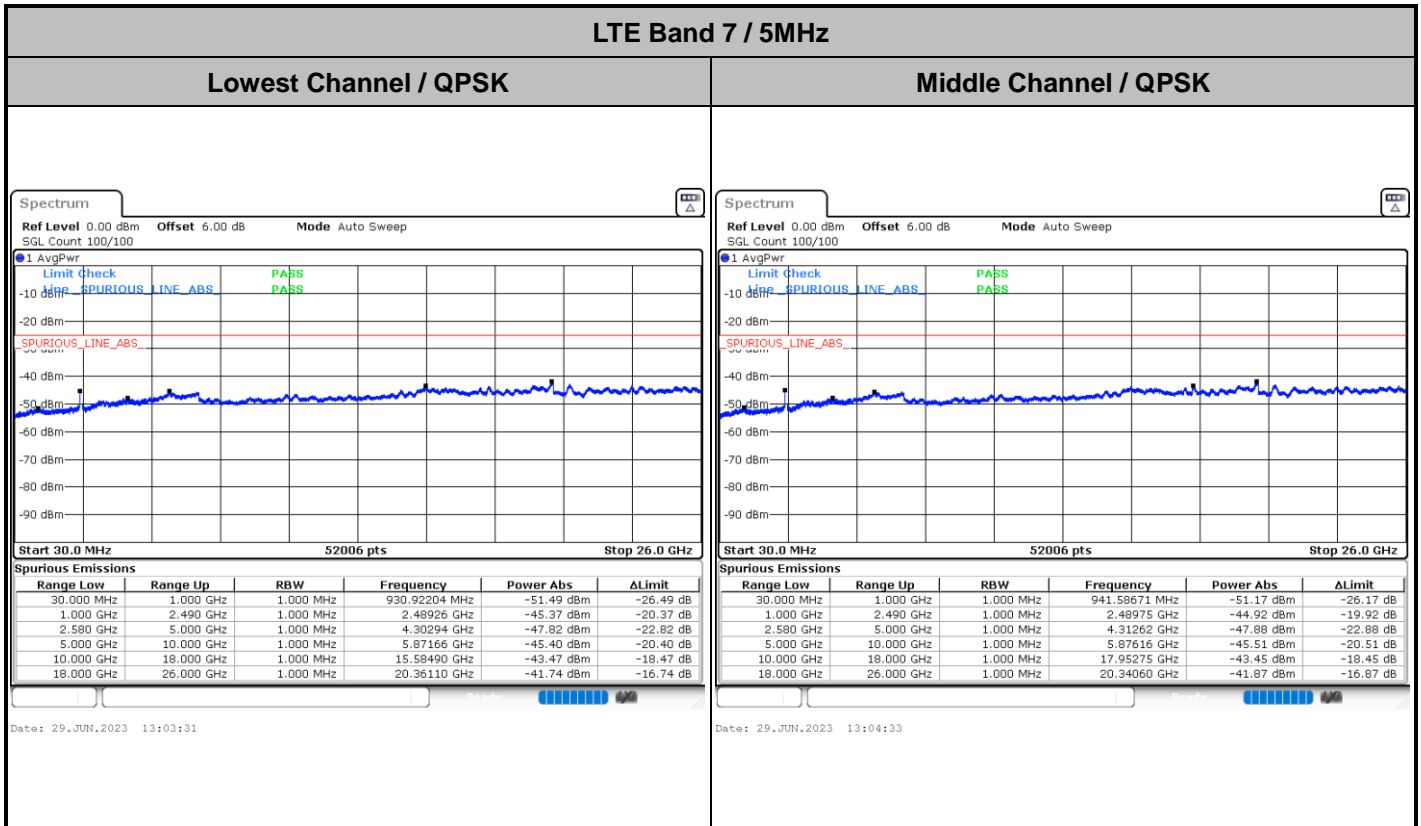
Highest Band Edge / Full RB



Date: 29 JUN. 2023 13:50:21



Conducted Spurious Emission

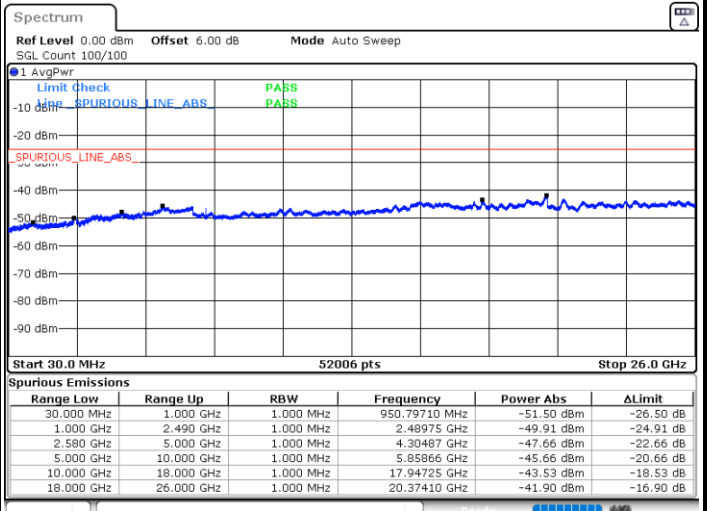
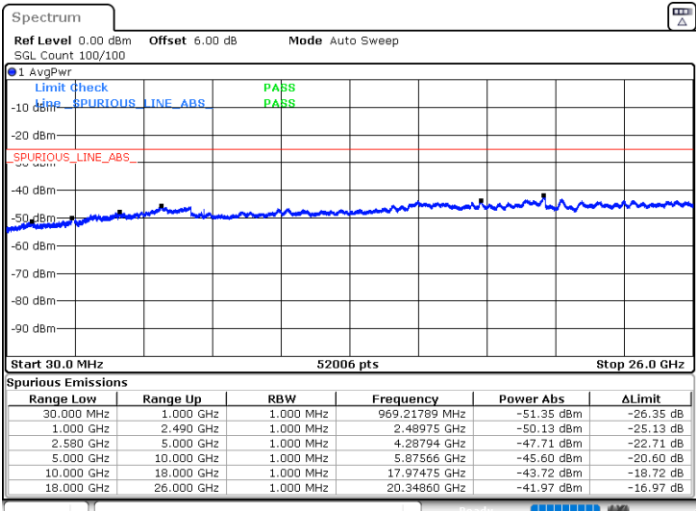




LTE Band 7 / 10MHz

Lowest Channel / QPSK

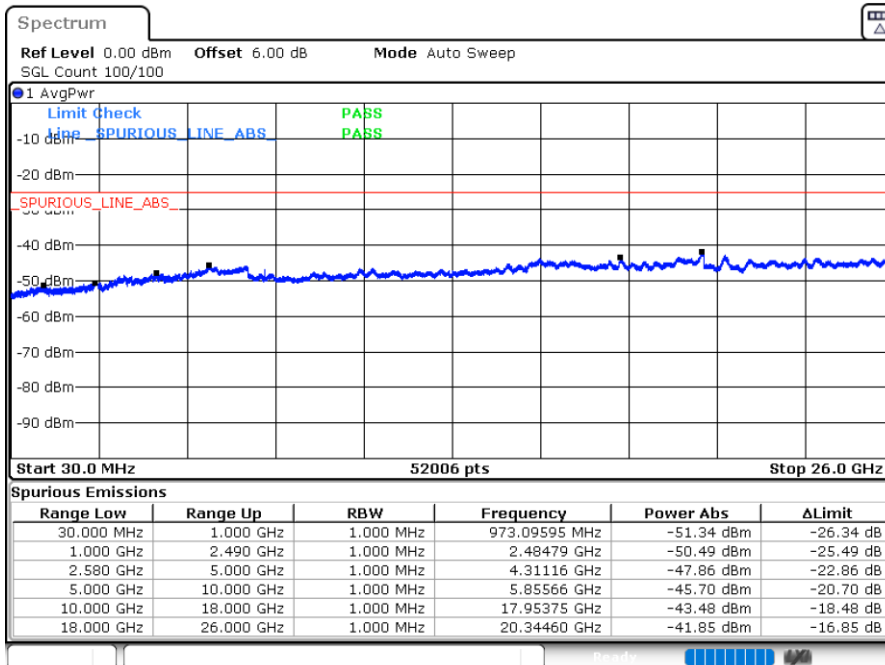
Middle Channel / QPSK



Date: 29 JUN 2023 13:20:46

Date: 29 JUN 2023 13:21:45

Highest Channel / QPSK



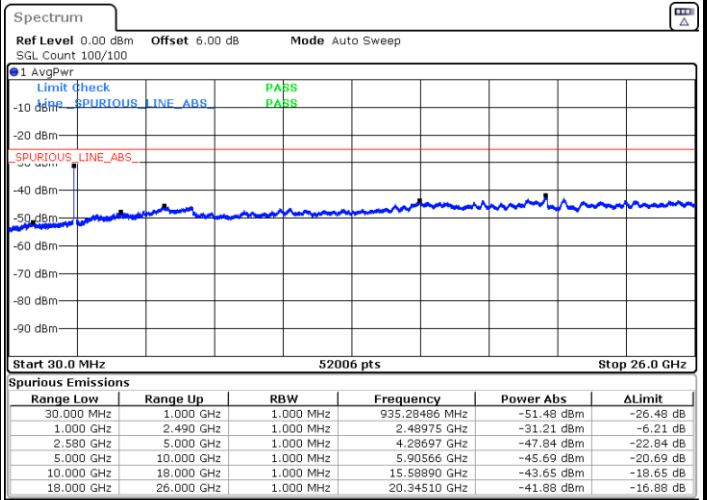
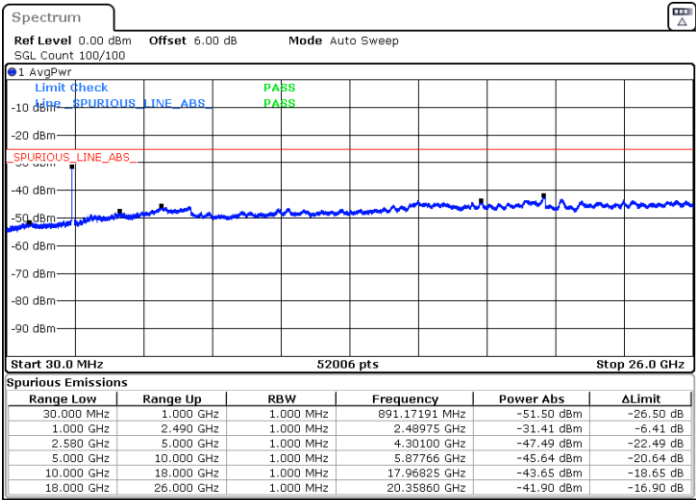
Date: 29 JUN 2023 13:22:47



LTE Band 7 / 15MHz

Lowest Channel / QPSK

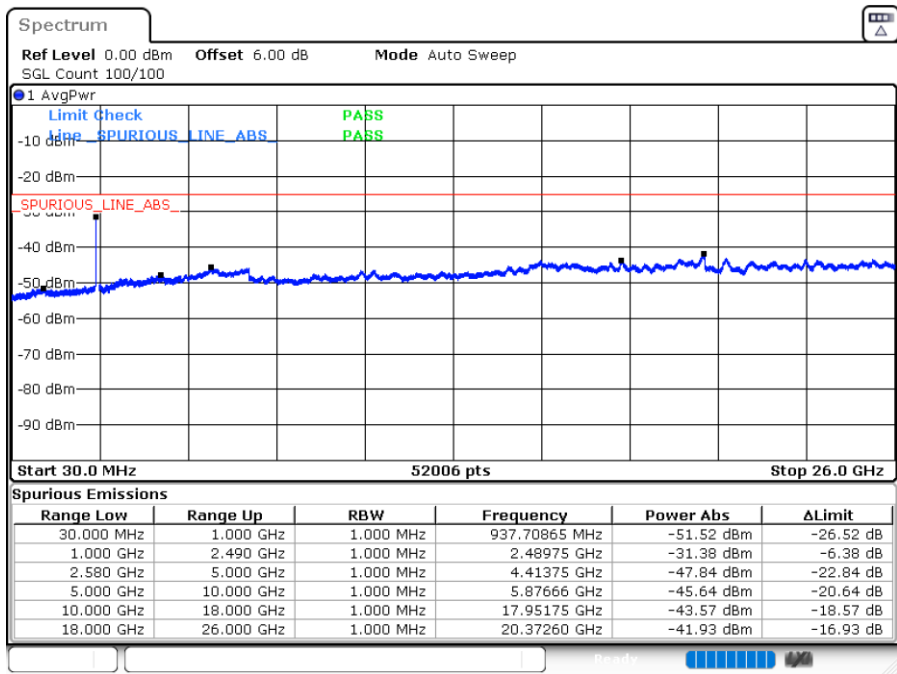
Middle Channel / QPSK



Date: 29 JUN 2023 13:30:52

Date: 29 JUN 2023 13:31:54

Highest Channel / QPSK



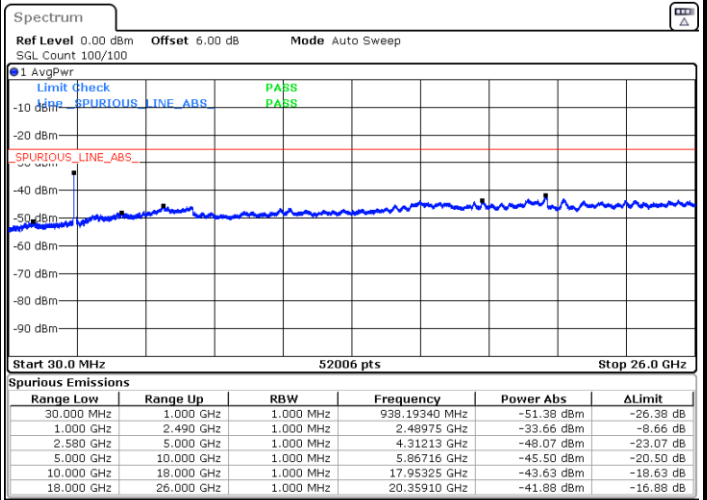
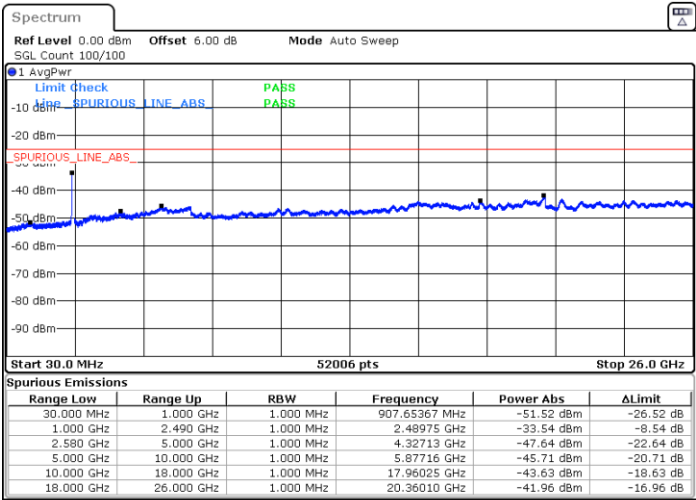
Date: 29 JUN 2023 13:32:53



LTE Band 7 / 20MHz

Lowest Channel / QPSK

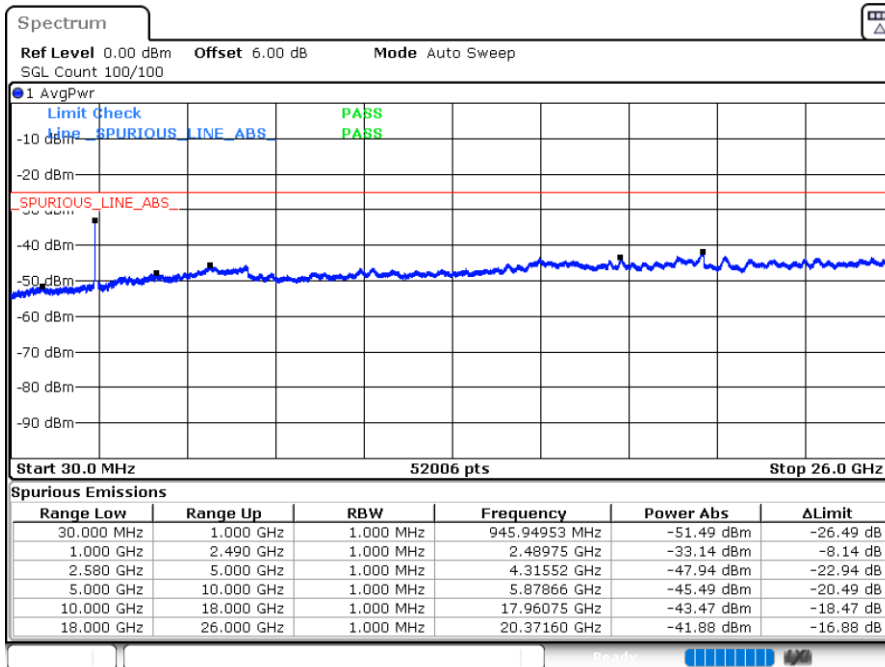
Middle Channel / QPSK



Date: 29 JUN 2023 13:46:32

Date: 29 JUN 2023 13:47:30

Highest Channel / QPSK



Date: 29 JUN 2023 13:48:32



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0013	

Note:

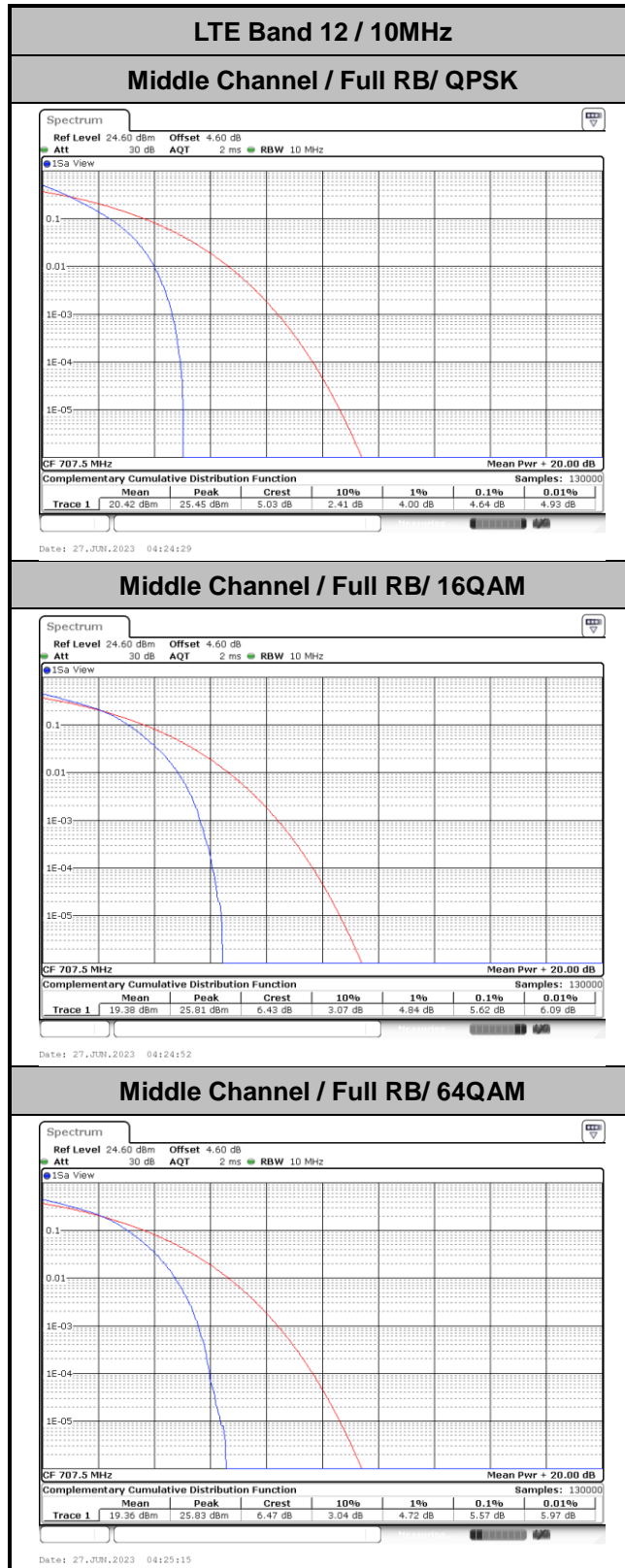
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

Peak-to-Average Ratio

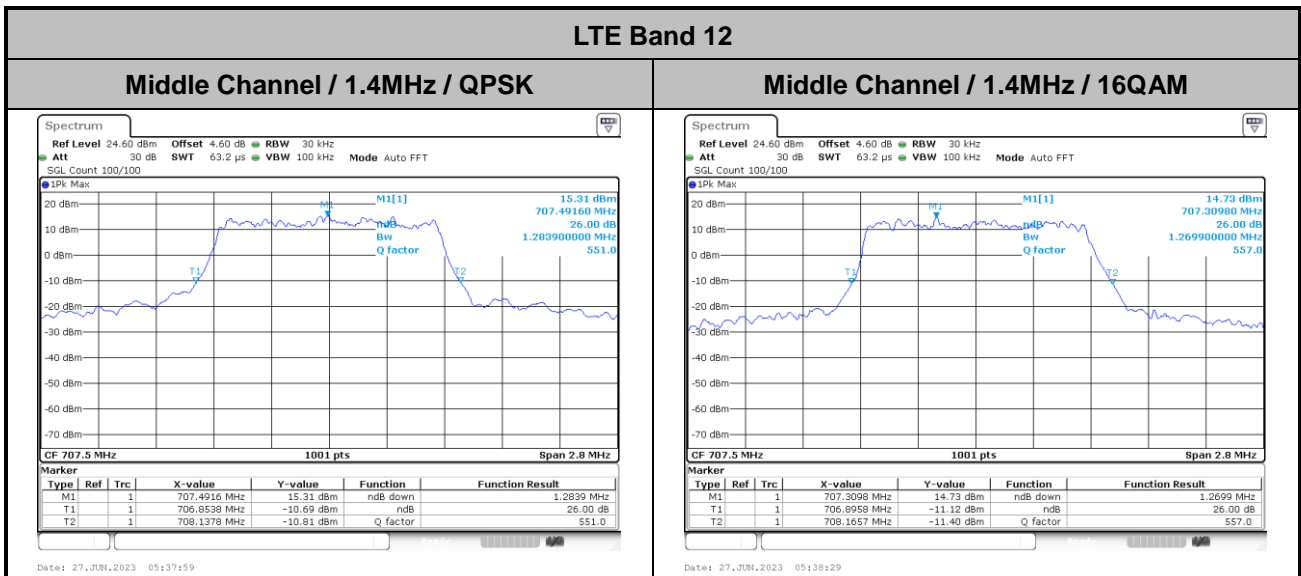
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK	16QAM	64QAM	-	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	-	Result
Middle CH	4.64	5.62	5.57	-	PASS





26dB Bandwidth

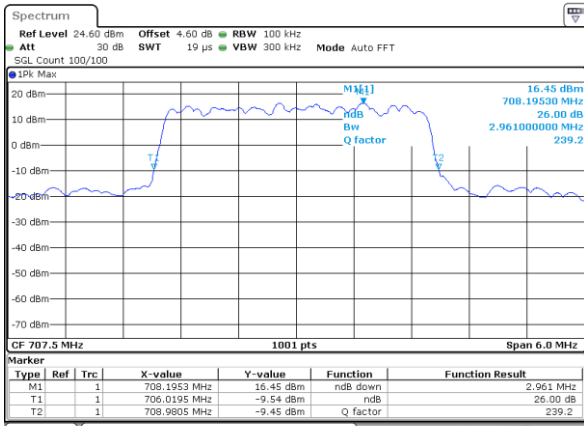
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.28	1.27
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.96	3.00
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.96	4.87
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.73	9.91





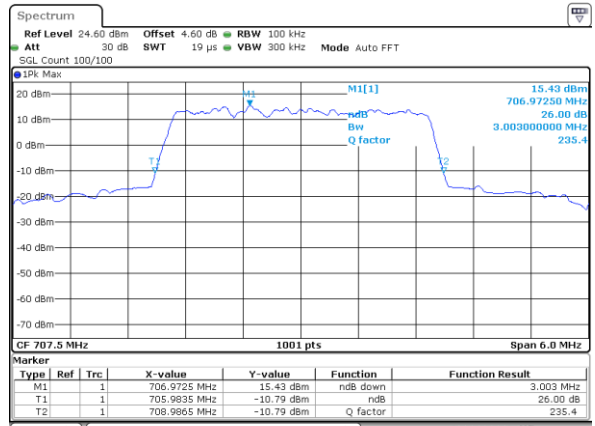
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 27_JUN,2023 05:35:38

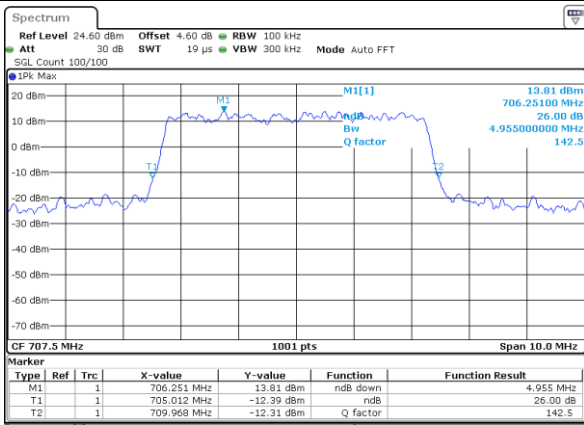
Middle Channel / 3MHz / 16QAM



Date: 27_JUN,2023 05:13:23

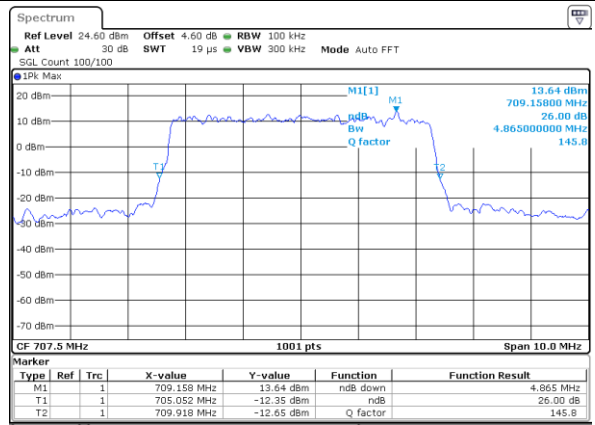
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 27_JUN,2023 05:33:48

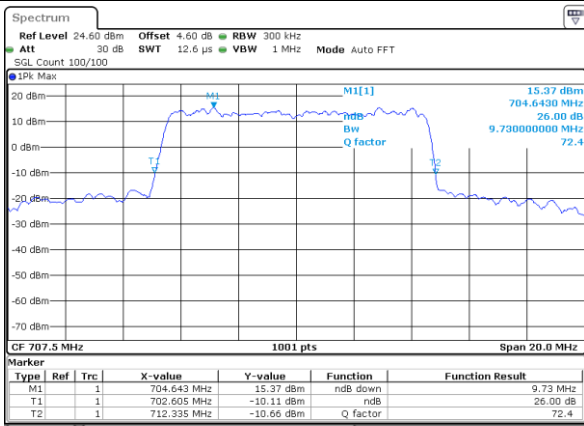
Middle Channel / 5MHz / 16QAM



Date: 27_JUN,2023 05:13:40

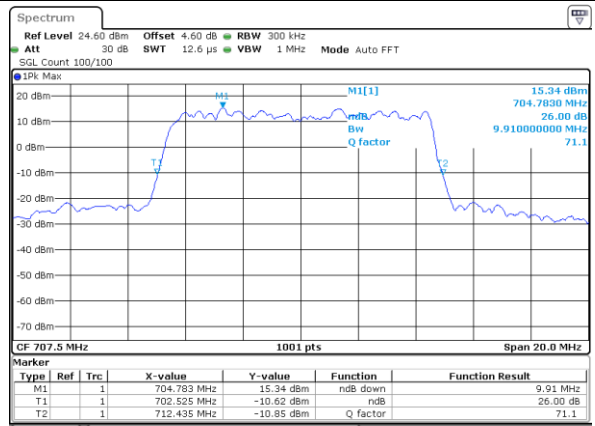
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 27_JUN,2023 04:26:19

Middle Channel / 10MHz / 16QAM

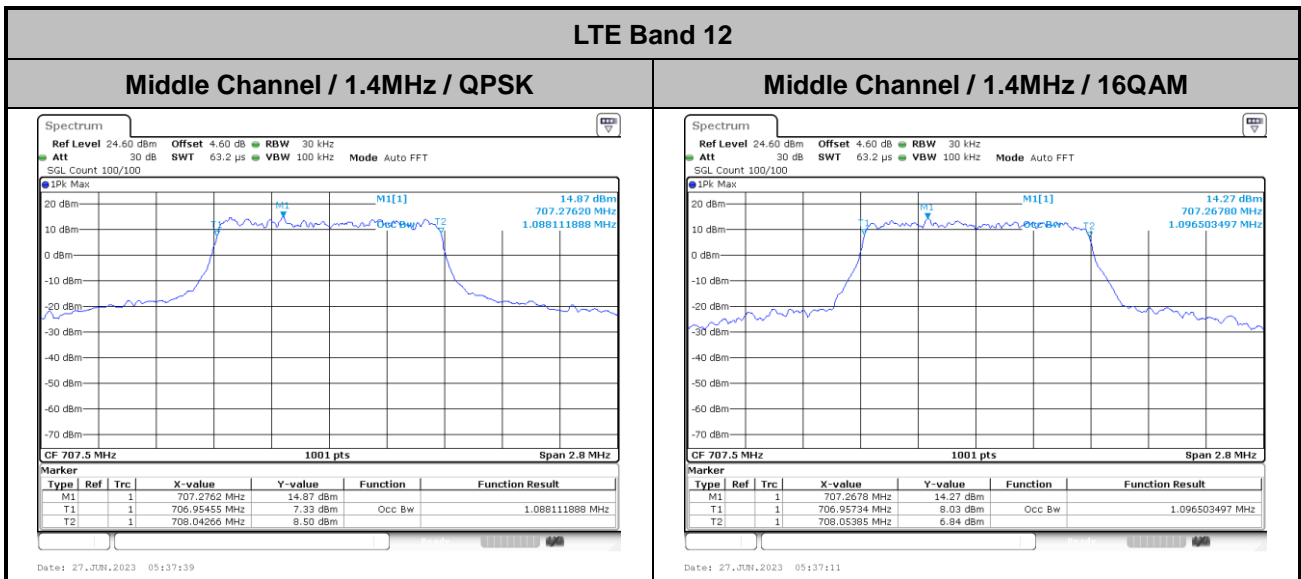


Date: 27_JUN,2023 04:26:40



Occupied Bandwidth

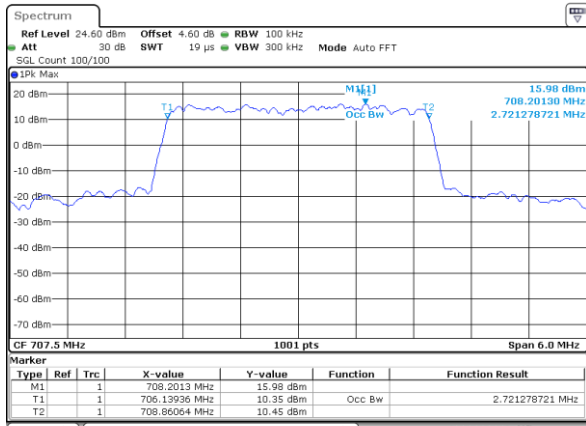
Mode	LTE Band 12 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.10
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.70
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.51	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	8.99





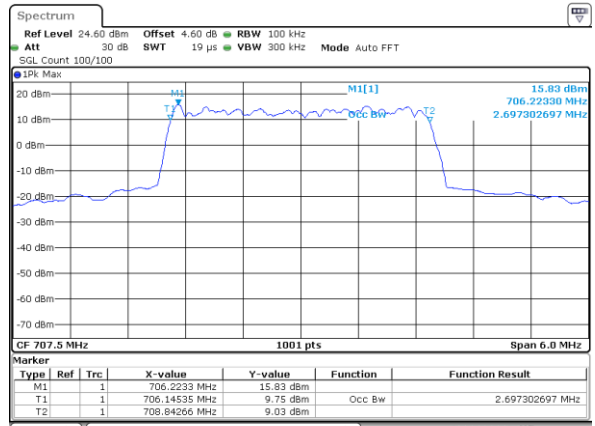
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 27_JUN.2023 05:35:16

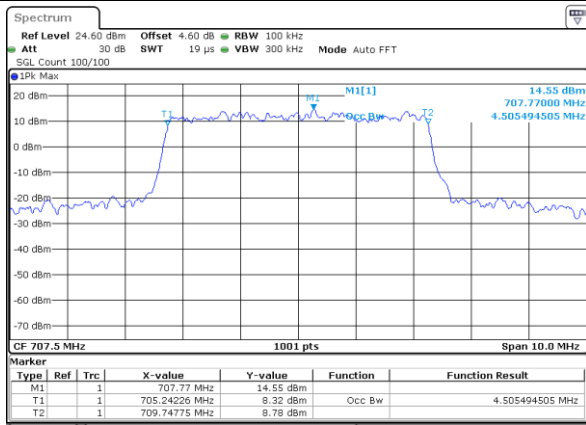
Middle Channel / 3MHz / 16QAM



Date: 27_JUN.2023 05:36:01

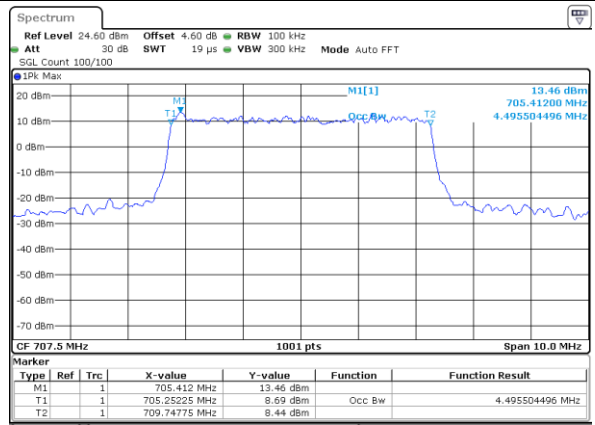
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 27_JUN.2023 05:33:27

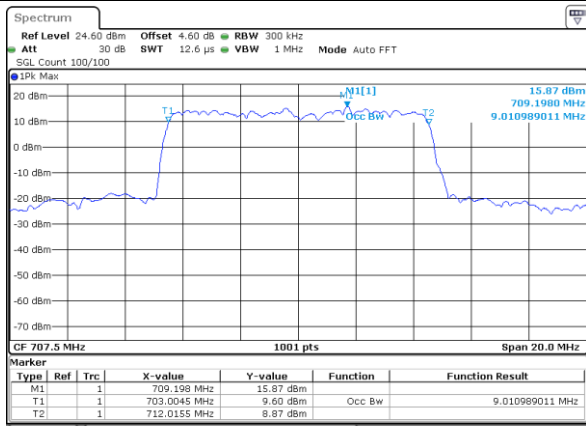
Middle Channel / 5MHz / 16QAM



Date: 27_JUN.2023 05:34:20

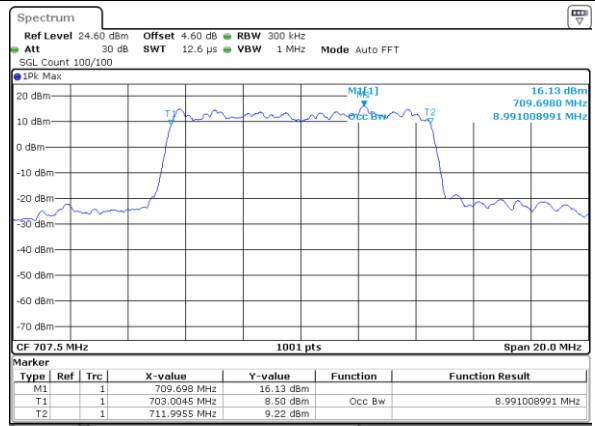
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 27_JUN.2023 04:25:36

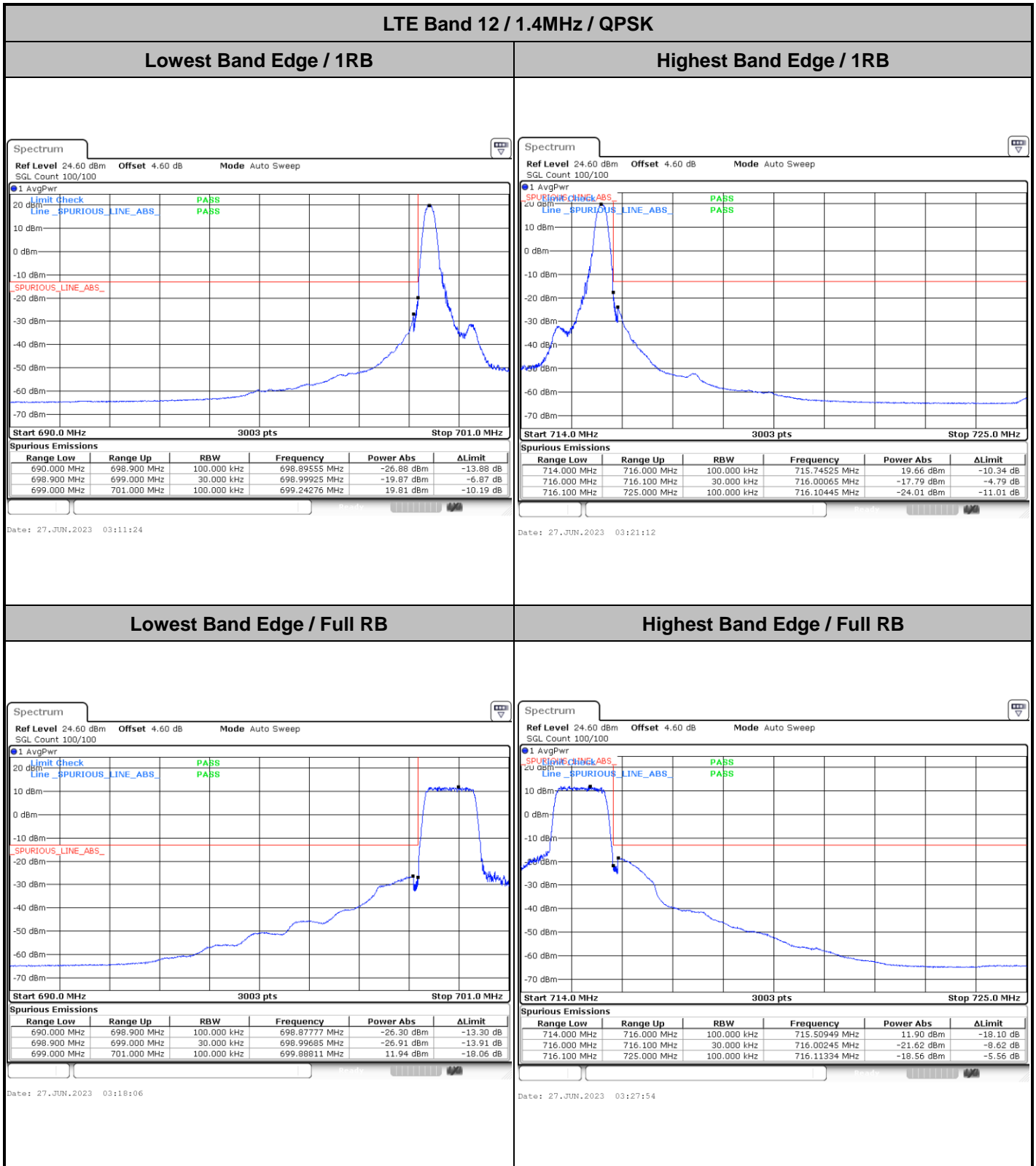
Middle Channel / 10MHz / 16QAM



Date: 27_JUN.2023 04:25:57



Conducted Band Edge





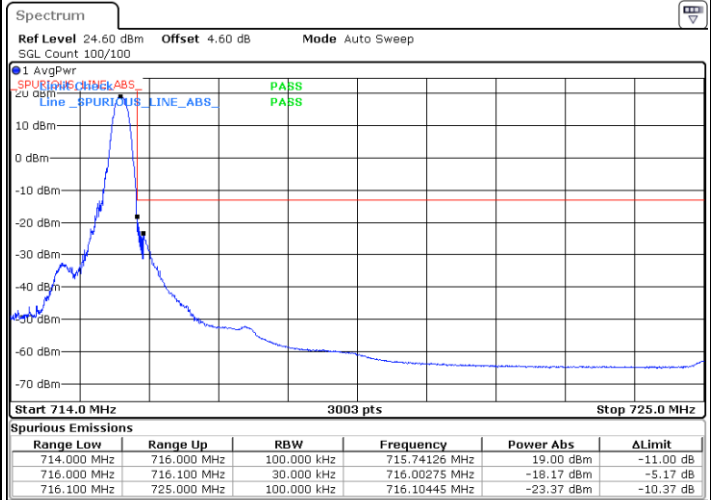
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



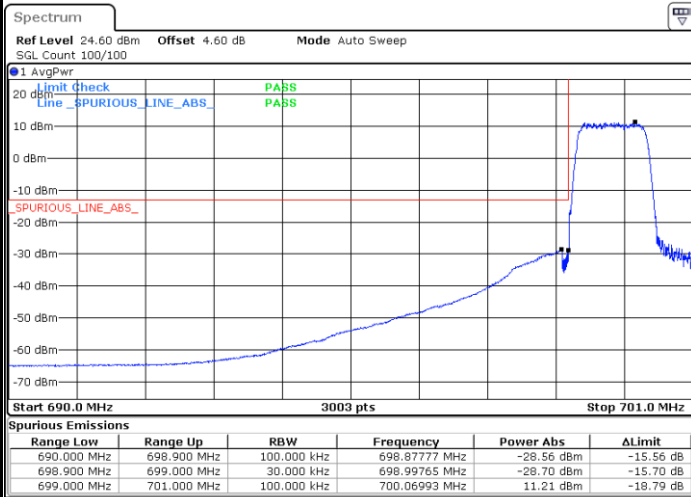
Date: 27 JUN 2023 03:12:44

Highest Band Edge / 1 RB



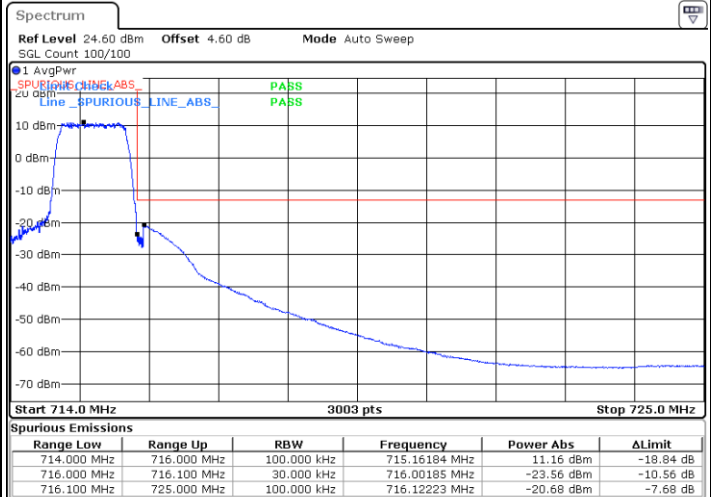
Date: 27 JUN 2023 03:22:32

Lowest Band Edge / Full RB



Date: 27 JUN 2023 03:16:46

Highest Band Edge / Full RB



Date: 27 JUN 2023 03:26:34