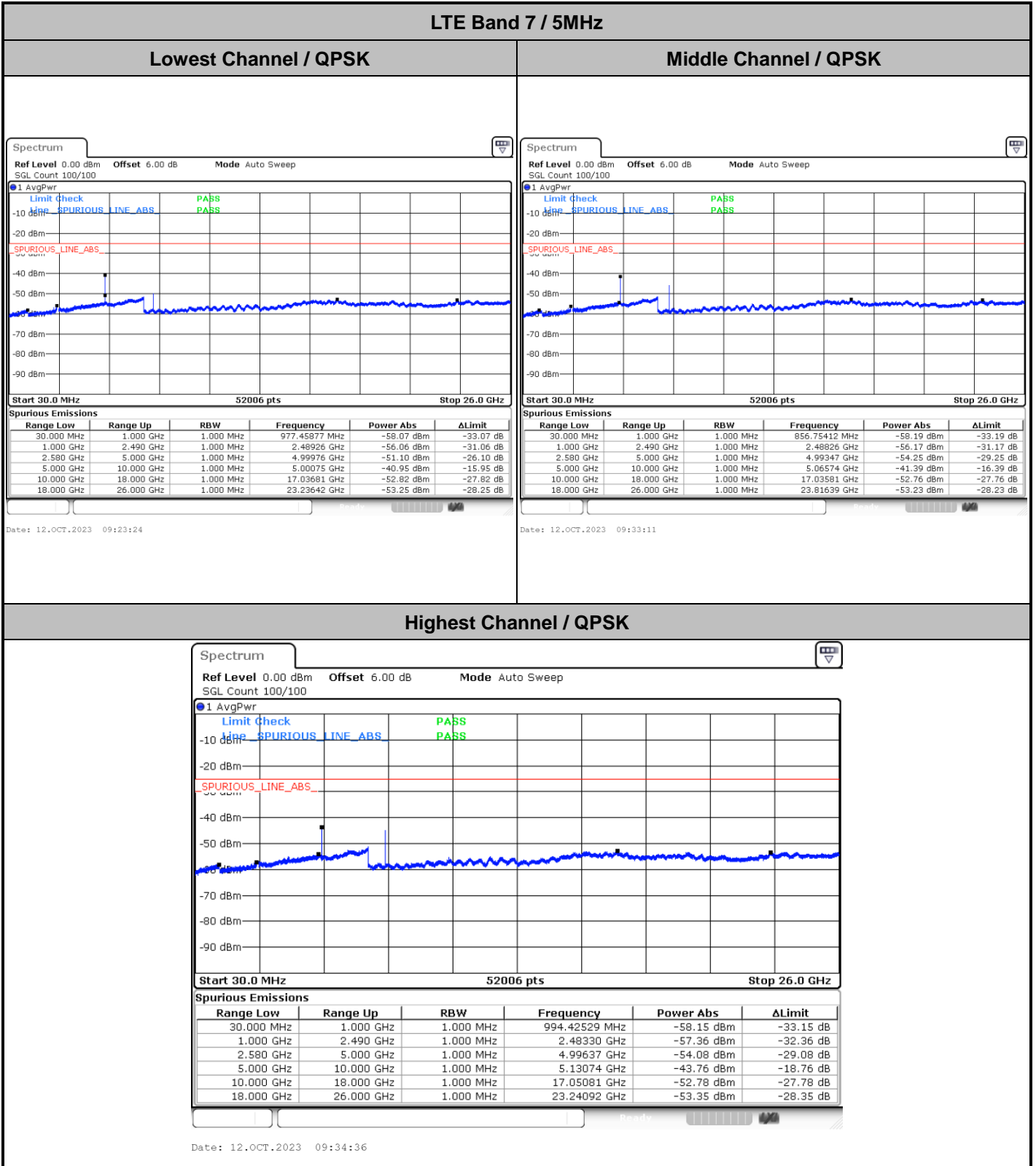




Conducted Spurious Emission

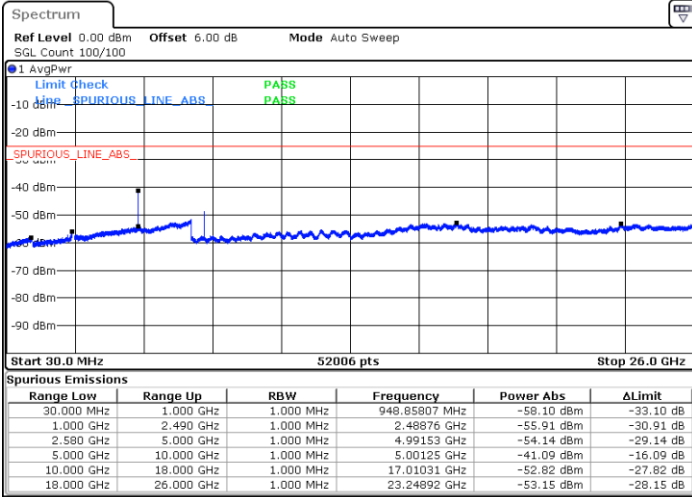




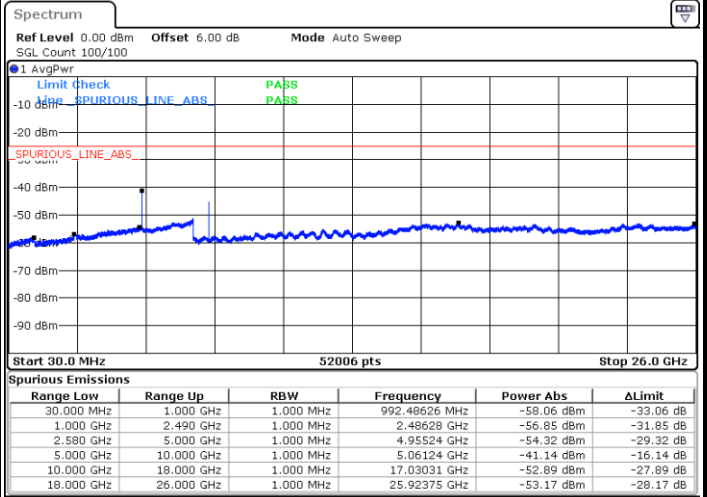
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

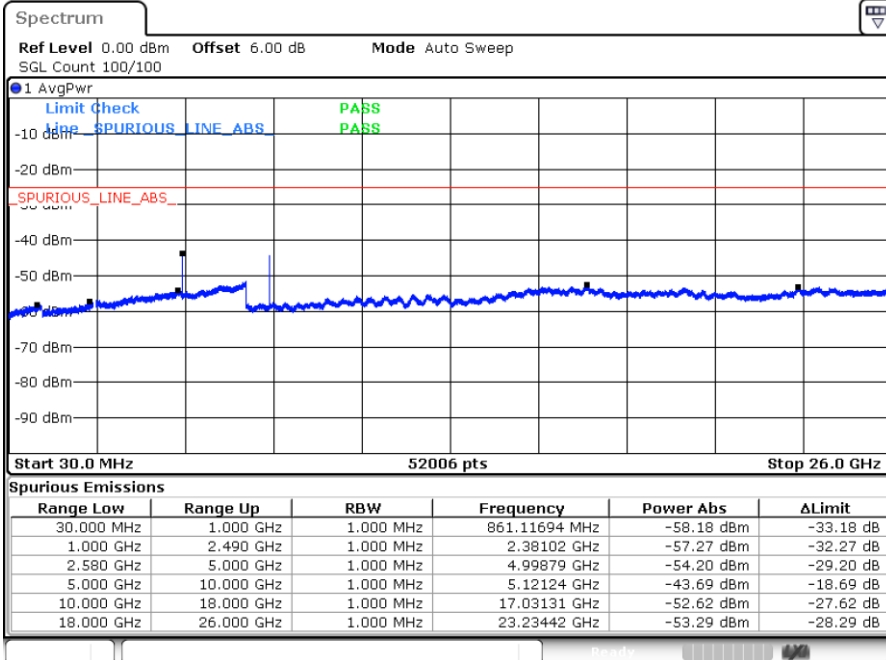


Date: 12.OCT.2023 09:44:19



Date: 12.OCT.2023 09:53:07

Highest Channel / QPSK



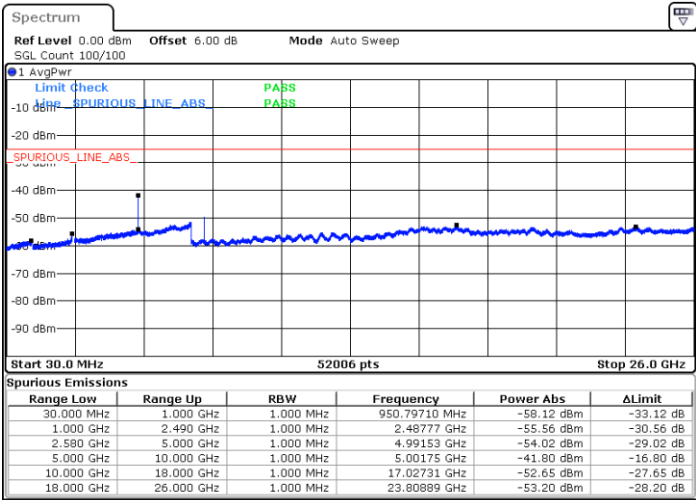
Date: 12.OCT.2023 09:54:32



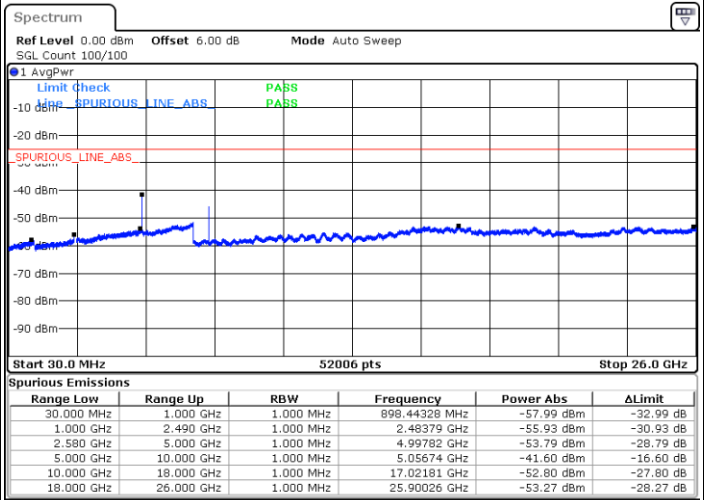
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

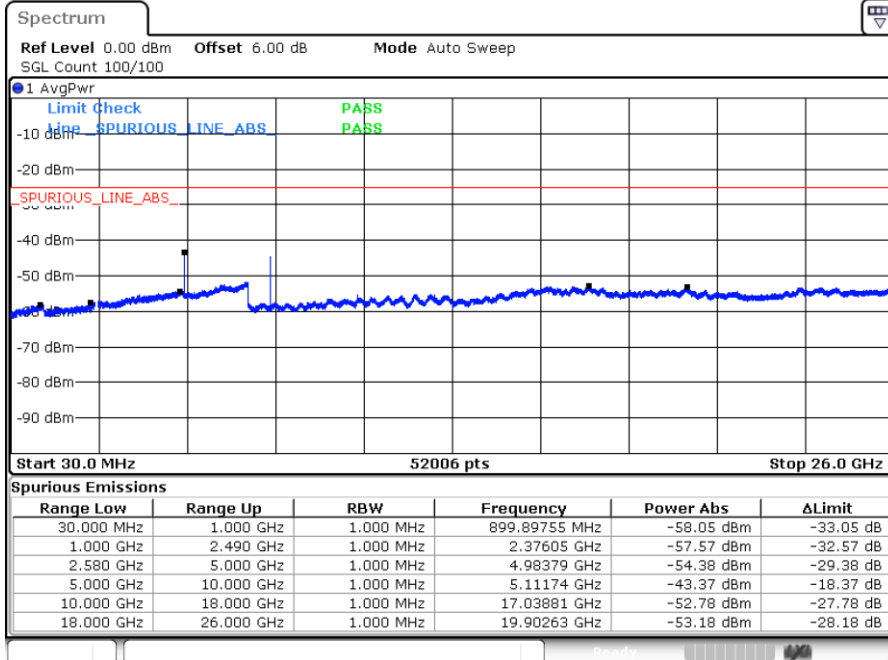


Date: 12.OCT.2023 10:03:20



Date: 12.OCT.2023 10:12:11

Highest Channel / QPSK



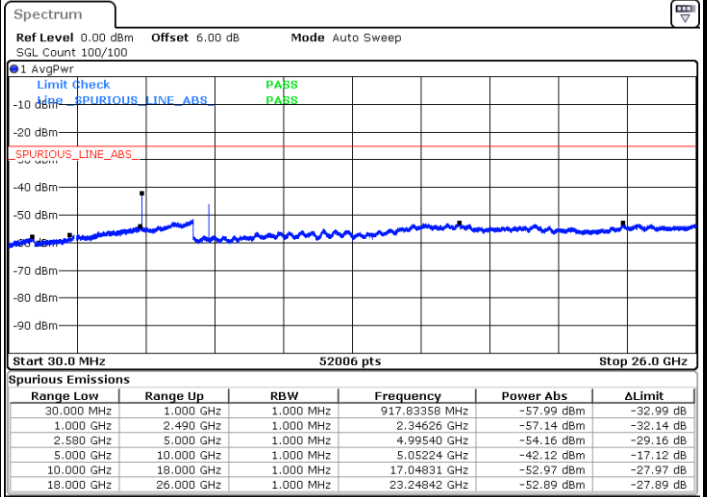
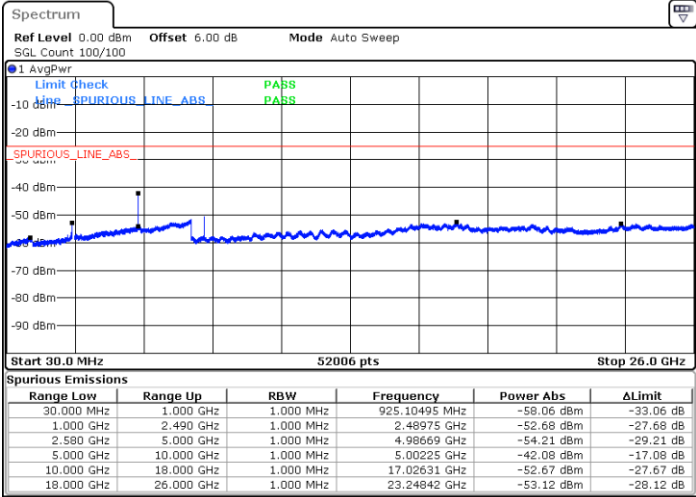
Date: 12.OCT.2023 10:13:37



LTE Band 7 / 20MHz

Lowest Channel / QPSK

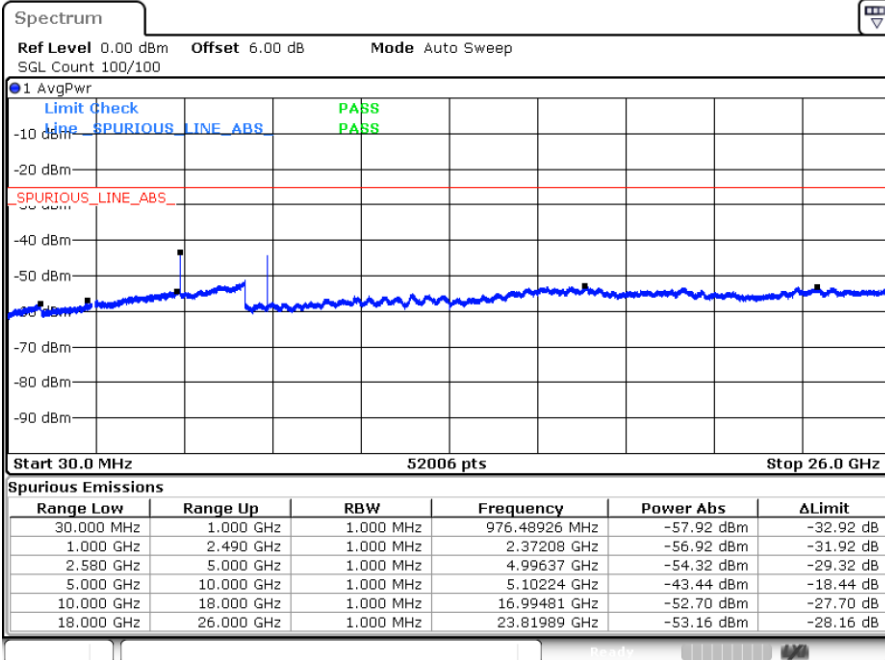
Middle Channel / QPSK



Date: 12.OCT.2023 10:22:35

Date: 12.OCT.2023 10:31:31

Highest Channel / QPSK



Date: 12.OCT.2023 10:32:56



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	0.0026	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0024	

Note:

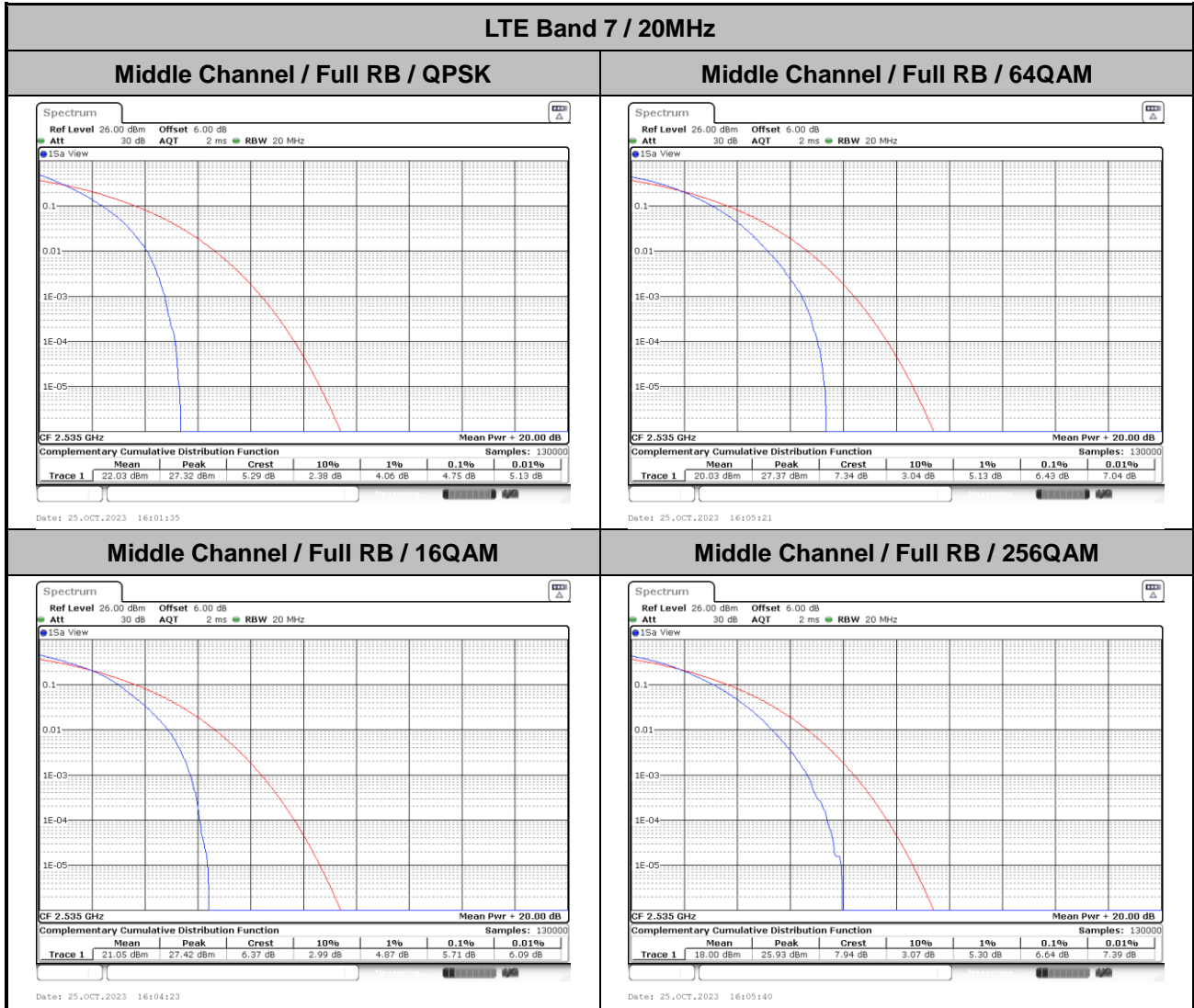
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7 for Other PA

Peak-to-Average Ratio

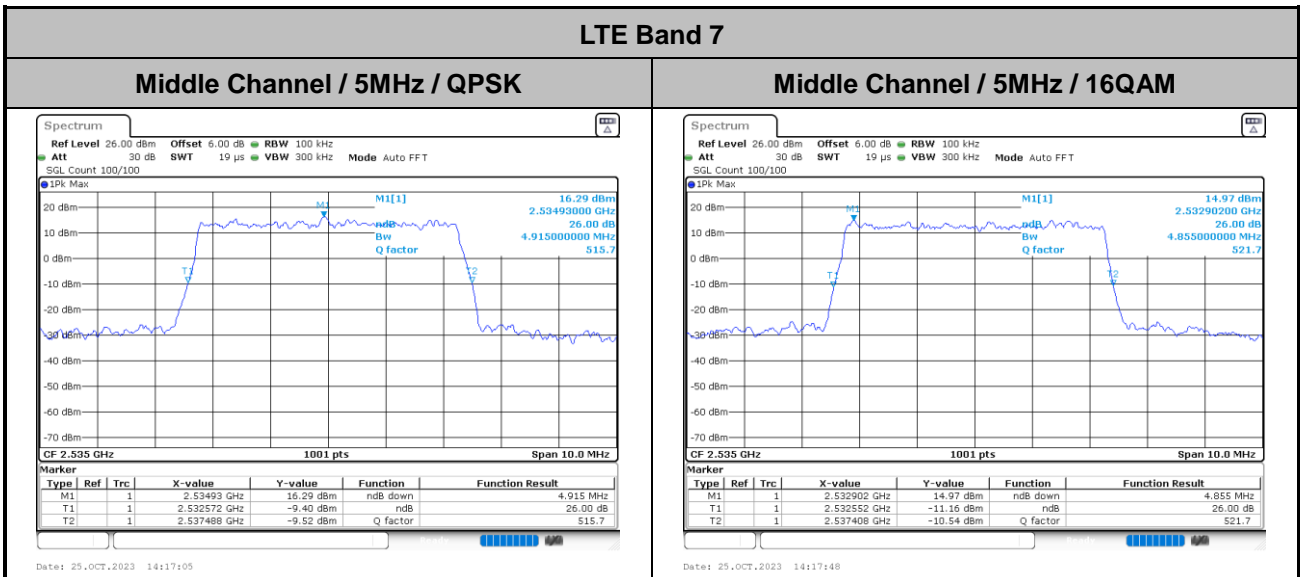
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.75	5.71	6.43	6.64	PASS





26dB Bandwidth

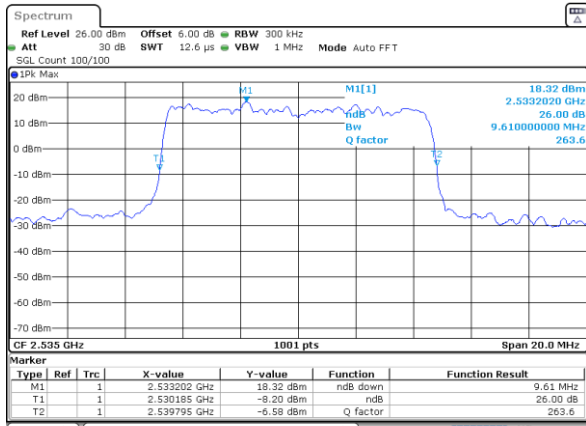
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.92	4.86
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.61	9.83
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.30	14.24
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.82	18.94





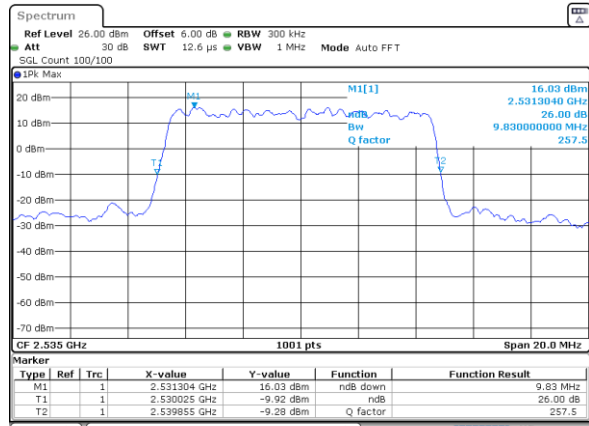
LTE Band 7

Middle Channel / 10MHz / QPSK



Date: 25.OCT.2023 14:42:00

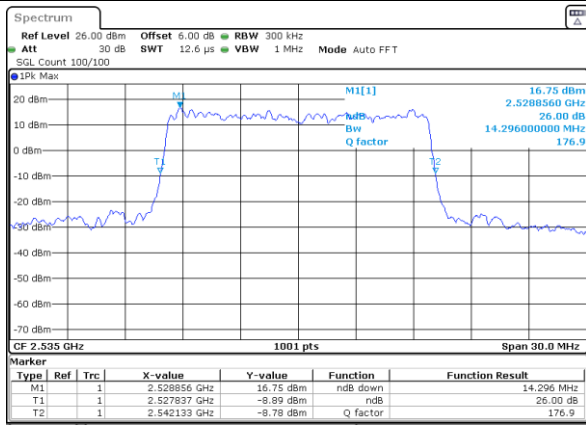
Middle Channel / 10MHz / 16QAM



Date: 25.OCT.2023 14:42:139

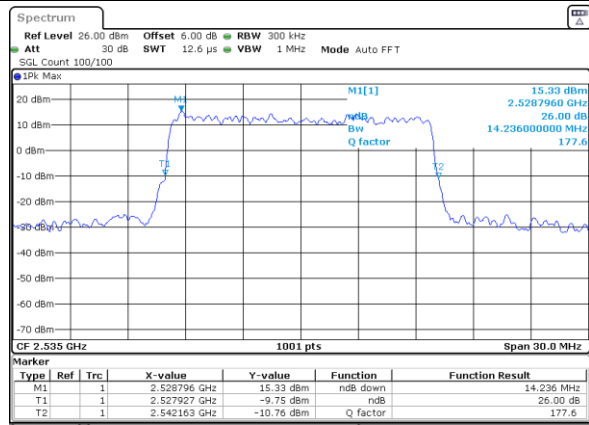
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 25.OCT.2023 15:13:00

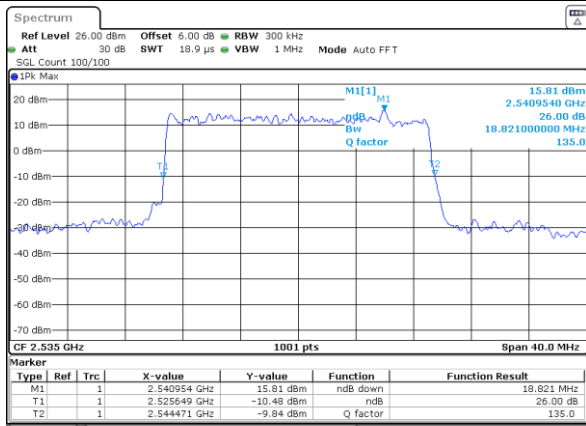
Middle Channel / 15MHz / 16QAM



Date: 25.OCT.2023 15:13:134

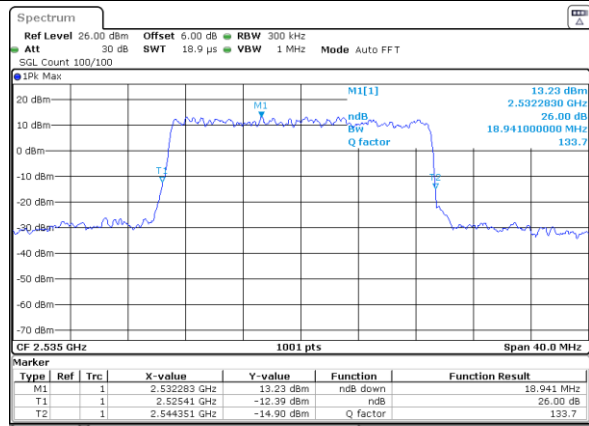
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 25.OCT.2023 16:00:37

Middle Channel / 20MHz / 16QAM

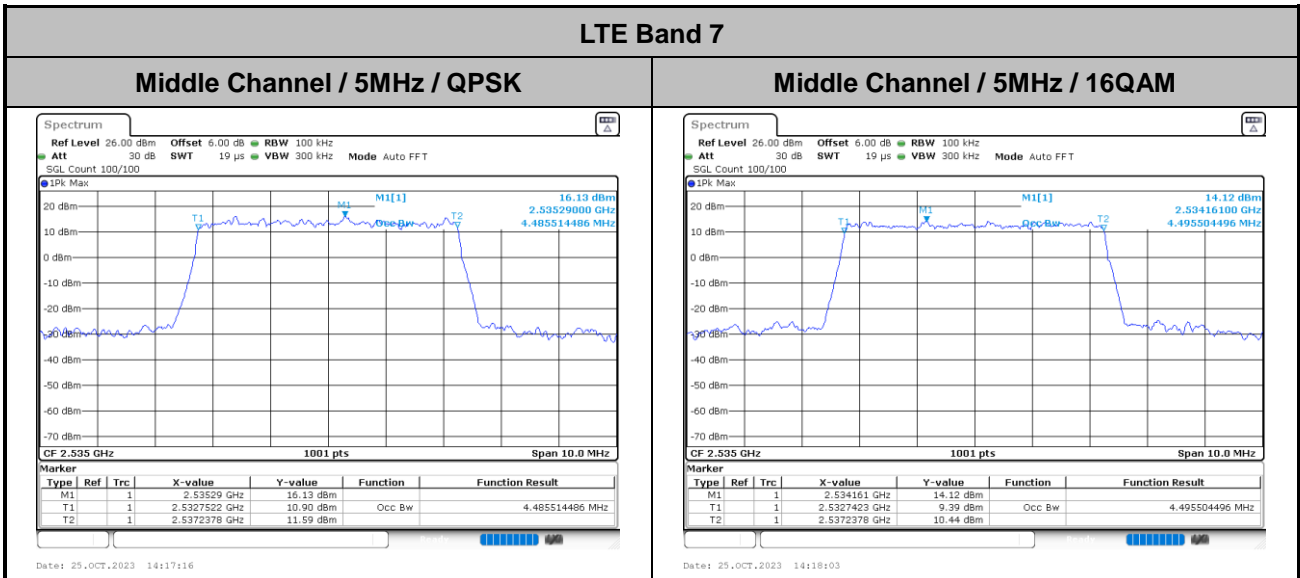


Date: 25.OCT.2023 16:04:47



Occupied Bandwidth

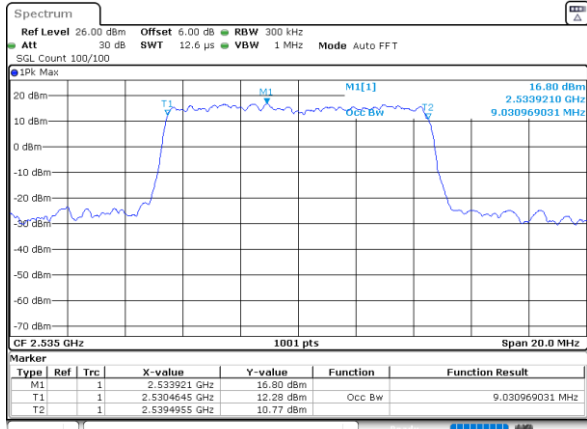
Mode	LTE Band 7 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.07
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.55	13.52
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.90





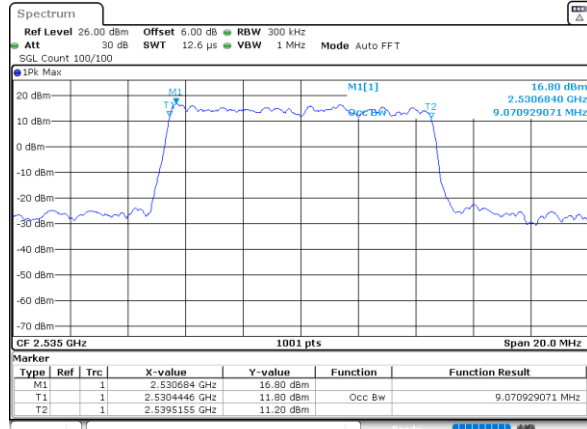
LTE Band 7

Middle Channel / 10MHz / QPSK



Date: 25.OCT.2023 14:42:14

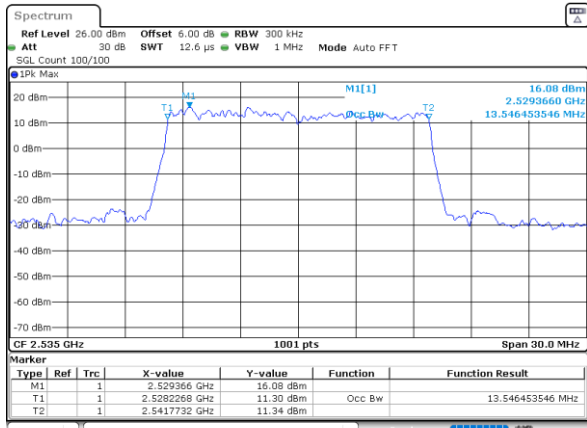
Middle Channel / 10MHz / 16QAM



Date: 25.OCT.2023 14:42:52

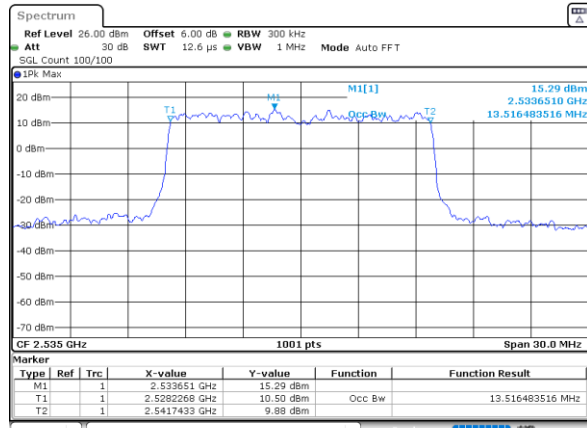
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 25.OCT.2023 15:13:15

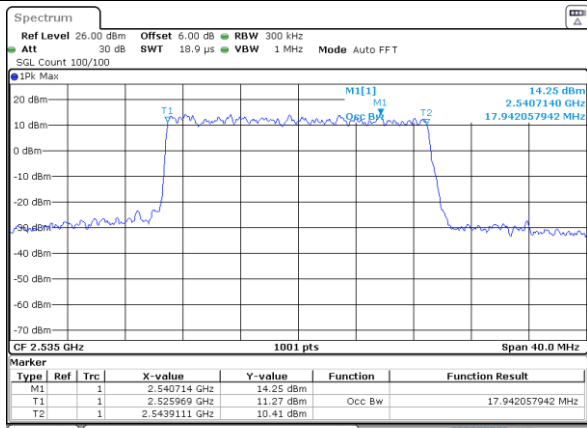
Middle Channel / 15MHz / 16QAM



Date: 25.OCT.2023 15:13:47

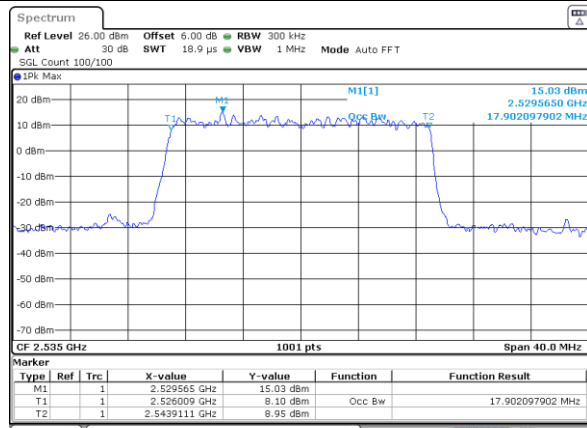
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 25.OCT.2023 16:00:51

Middle Channel / 20MHz / 16QAM



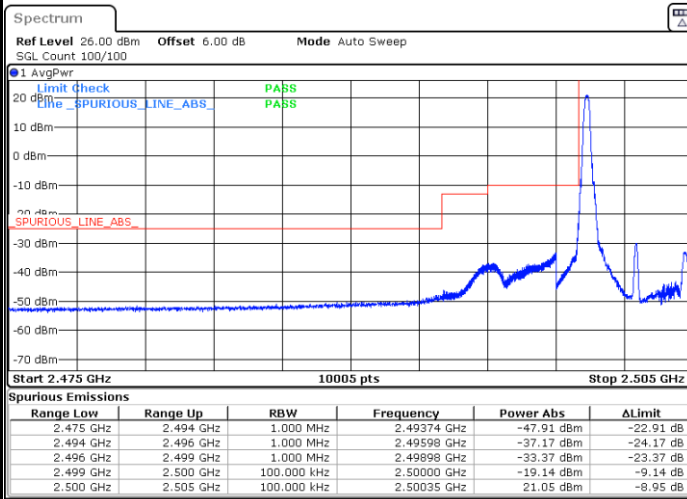
Date: 25.OCT.2023 16:04:36



Conducted Band Edge

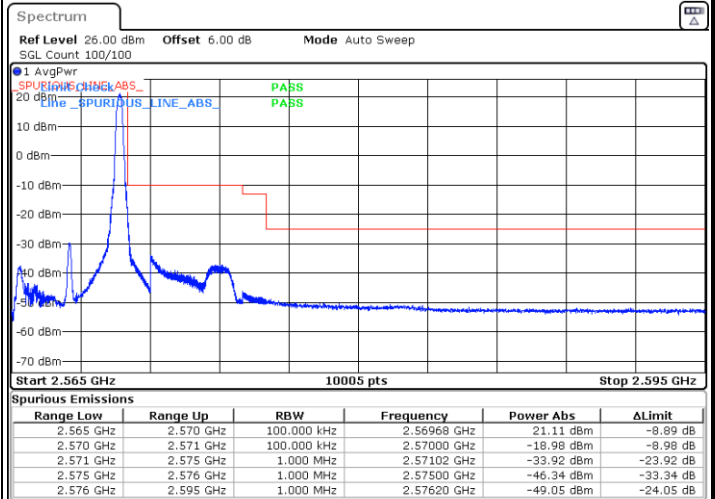
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



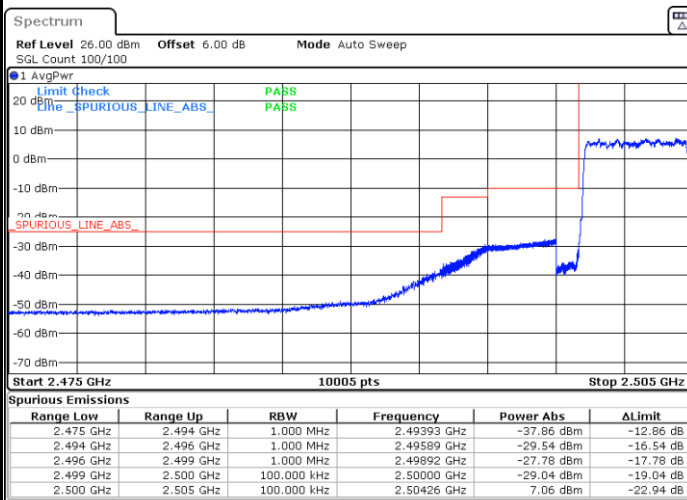
Date: 25.OCT.2023 14:10:03

Highest Band Edge / 1 RB



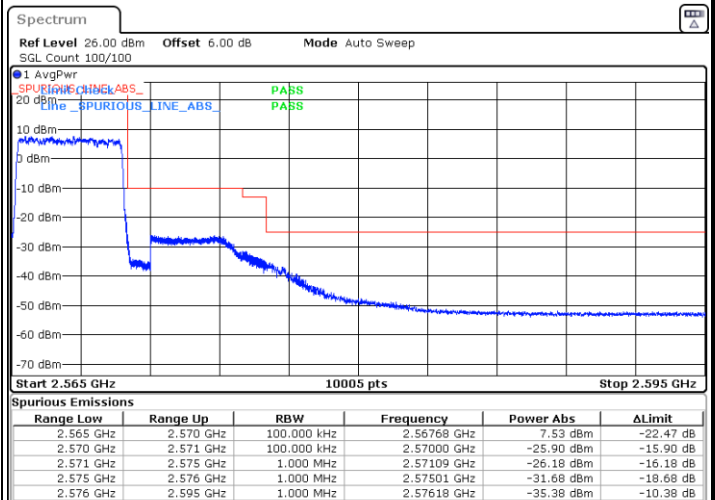
Date: 25.OCT.2023 14:19:32

Lowest Band Edge / Full RB



Date: 25.OCT.2023 14:12:48

Highest Band Edge / Full RB

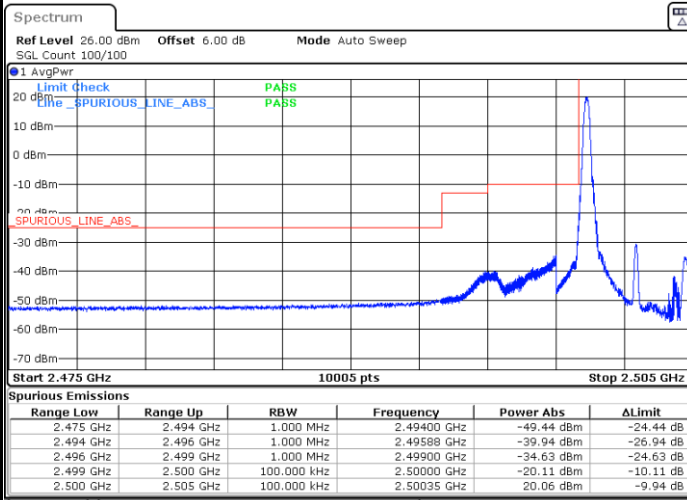


Date: 25.OCT.2023 14:22:36



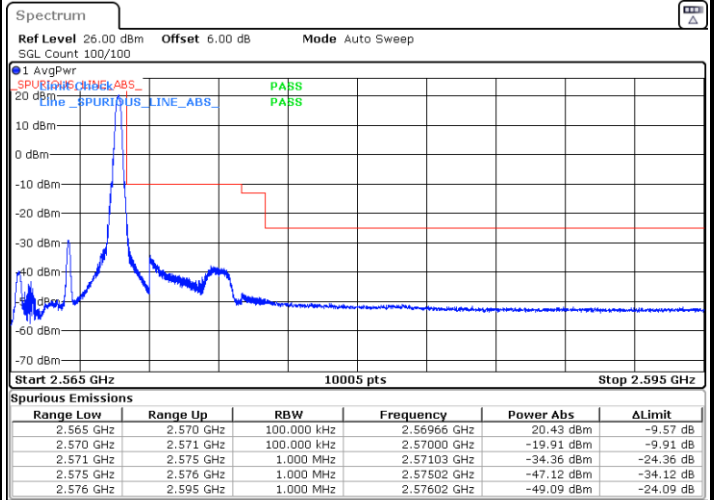
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



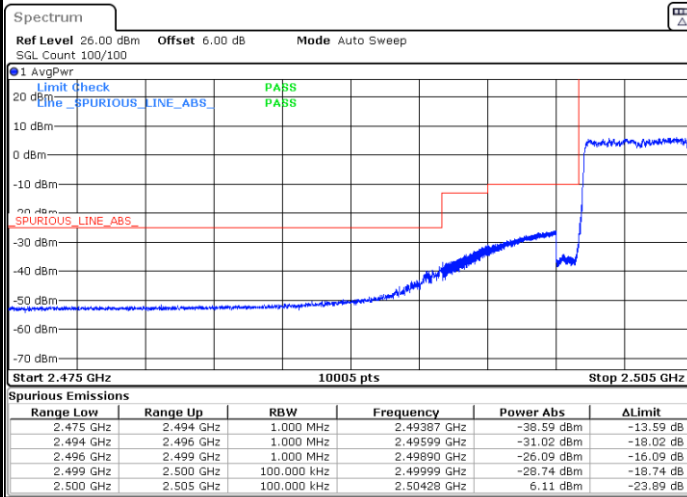
Date: 25.OCT.2023 14:10:46

Highest Band Edge / 1 RB



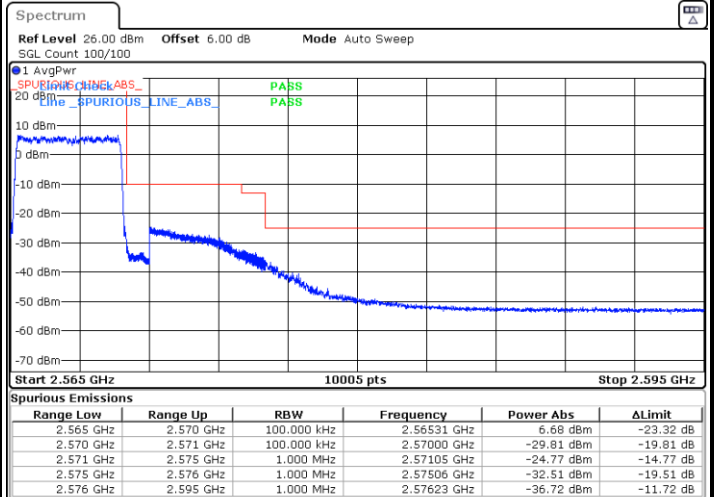
Date: 25.OCT.2023 14:20:00

Lowest Band Edge / Full RB



Date: 25.OCT.2023 14:13:18

Highest Band Edge / Full RB

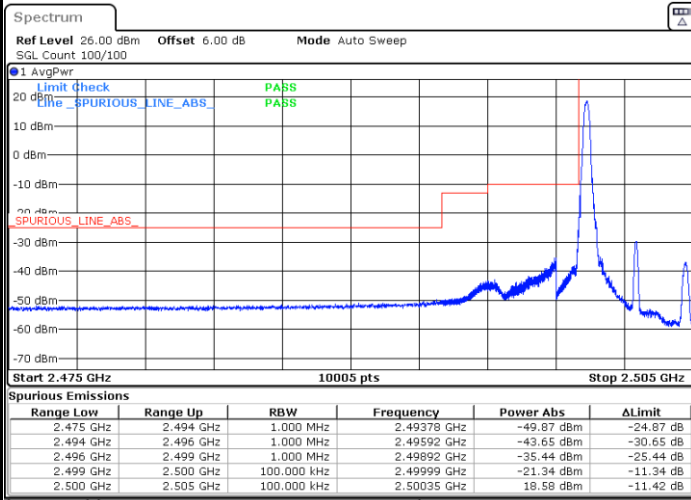


Date: 25.OCT.2023 14:23:15



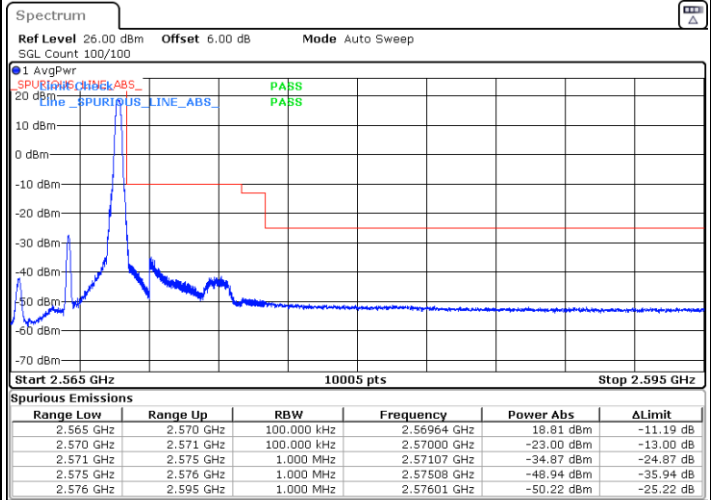
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



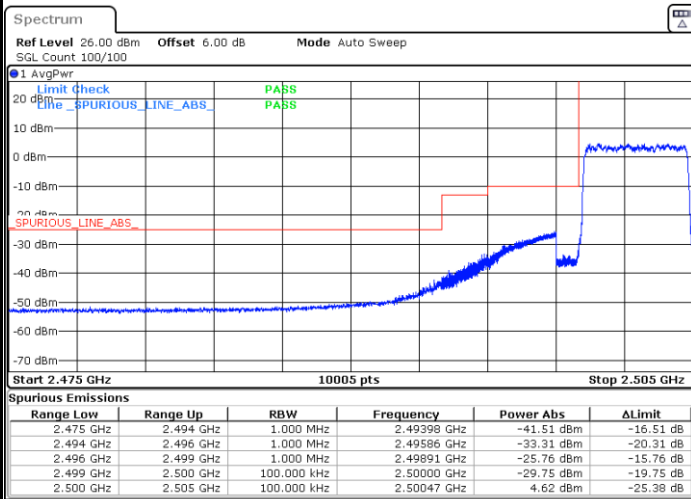
Date: 25.OCT.2023 14:11:39

Highest Band Edge / 1 RB



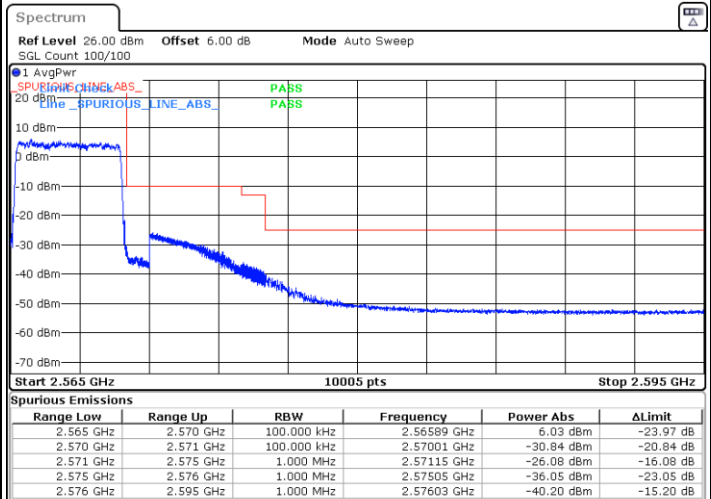
Date: 25.OCT.2023 14:20:21

Lowest Band Edge / Full RB



Date: 25.OCT.2023 14:13:51

Highest Band Edge / Full RB



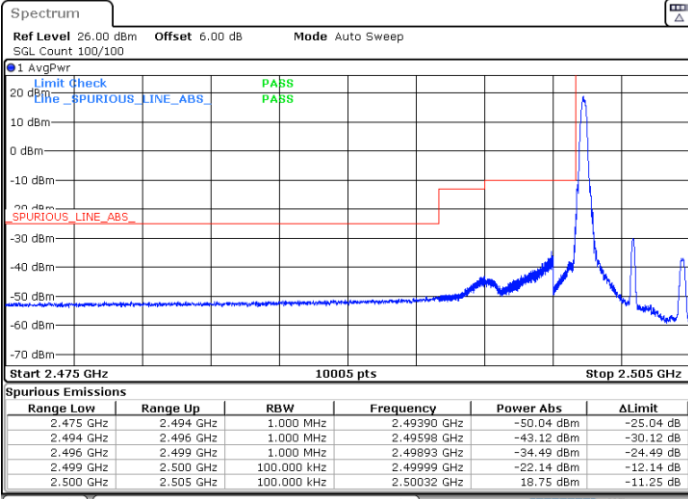
Date: 25.OCT.2023 14:23:45



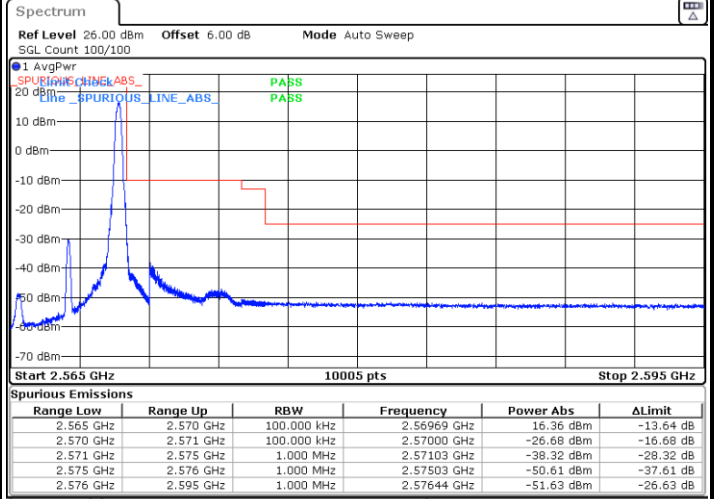
LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



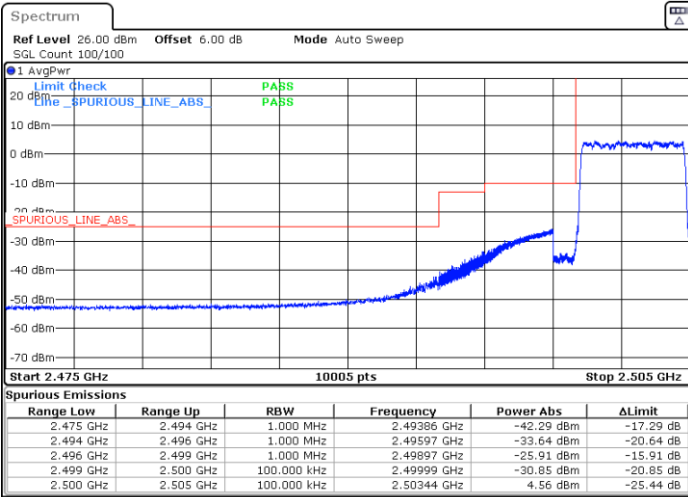
Date: 25.OCT.2023 14:12:07



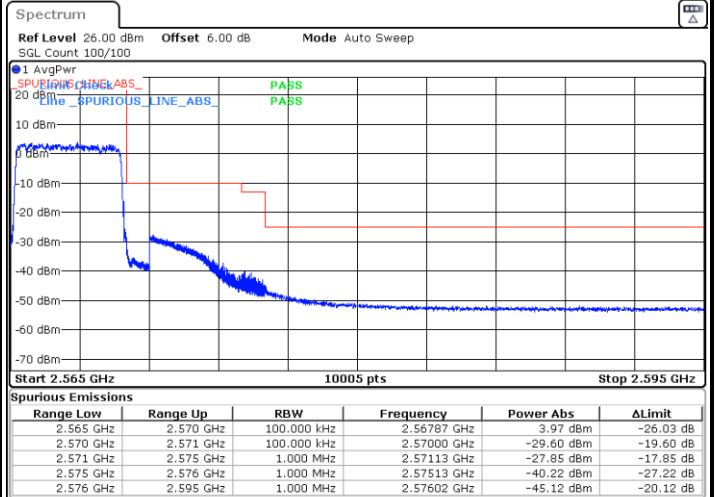
Date: 25.OCT.2023 14:20:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.OCT.2023 14:14:19



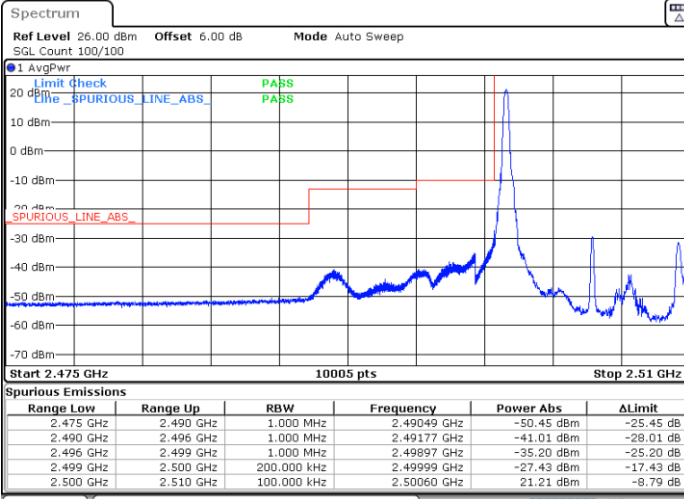
Date: 25.OCT.2023 14:24:23



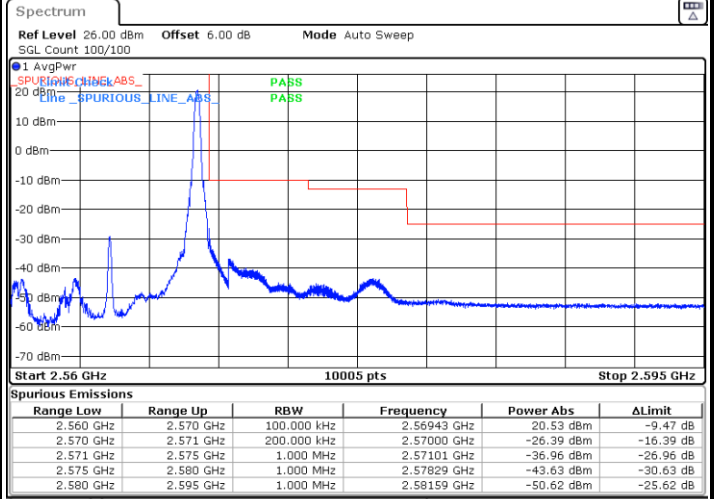
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



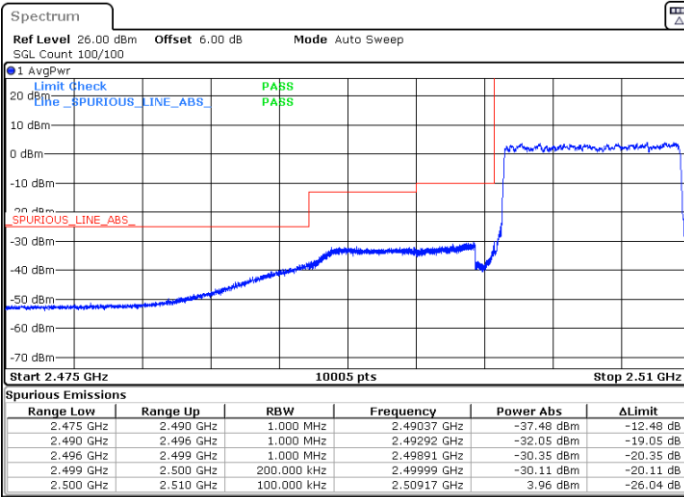
Date: 25.OCT.2023 14:33:34



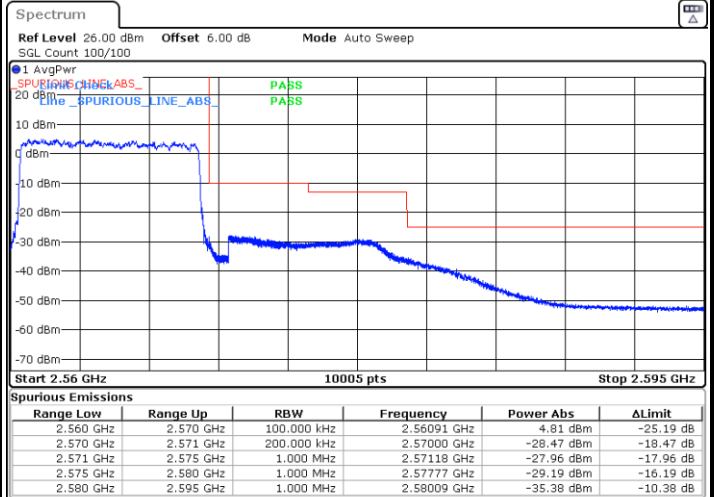
Date: 25.OCT.2023 14:46:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.OCT.2023 14:37:12

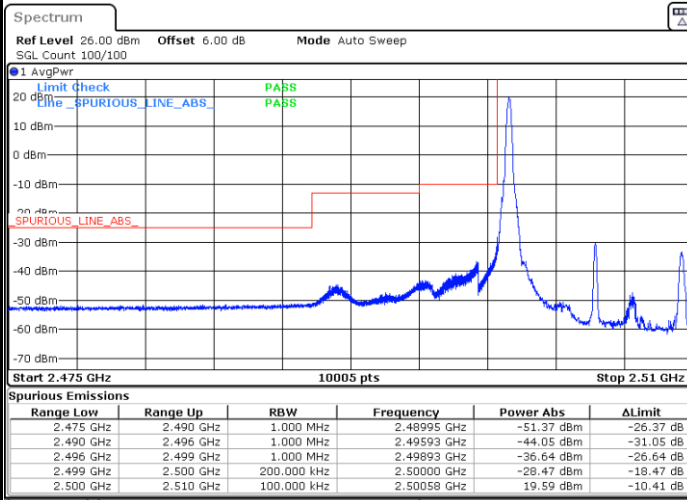


Date: 25.OCT.2023 14:49:48



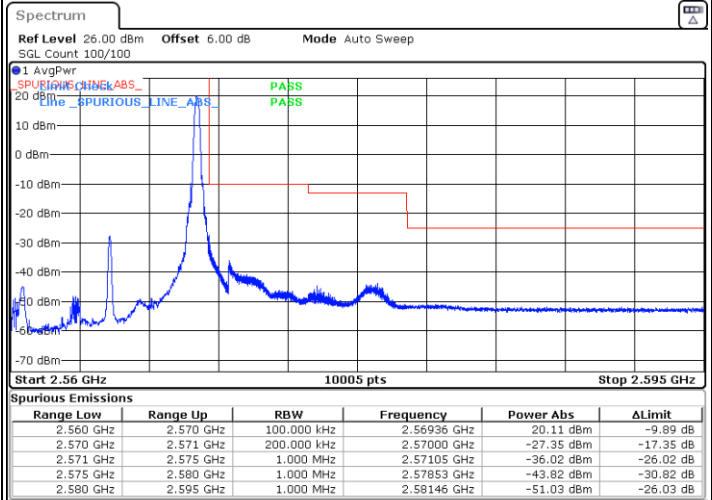
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



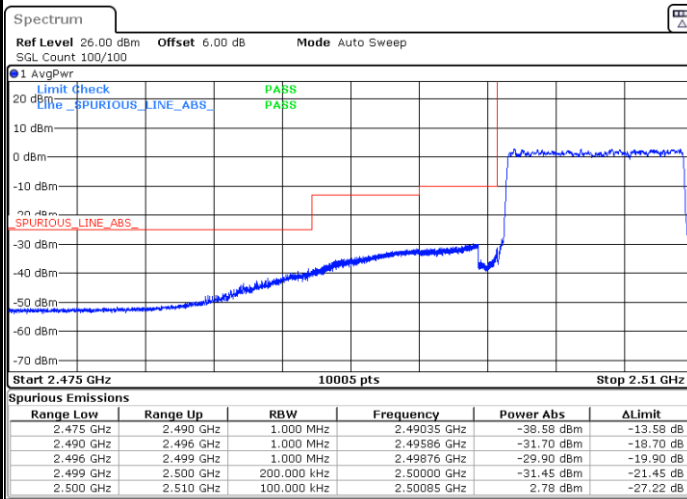
Date: 25.OCT.2023 14:34:54

Highest Band Edge / 1 RB



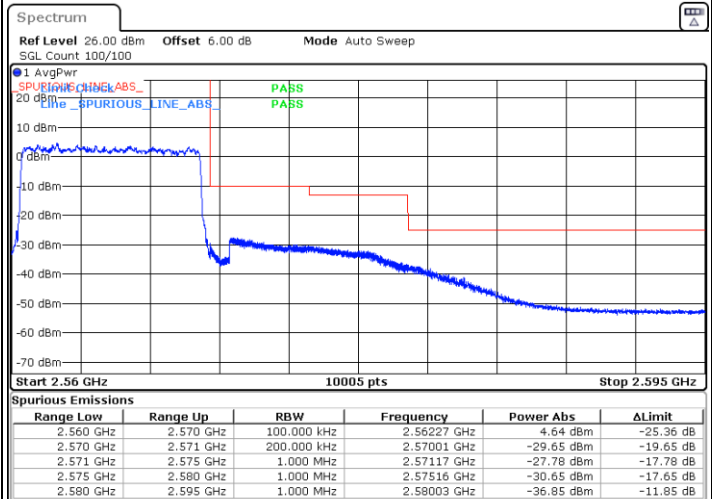
Date: 25.OCT.2023 14:47:16

Lowest Band Edge / Full RB



Date: 25.OCT.2023 14:37:57

Highest Band Edge / Full RB



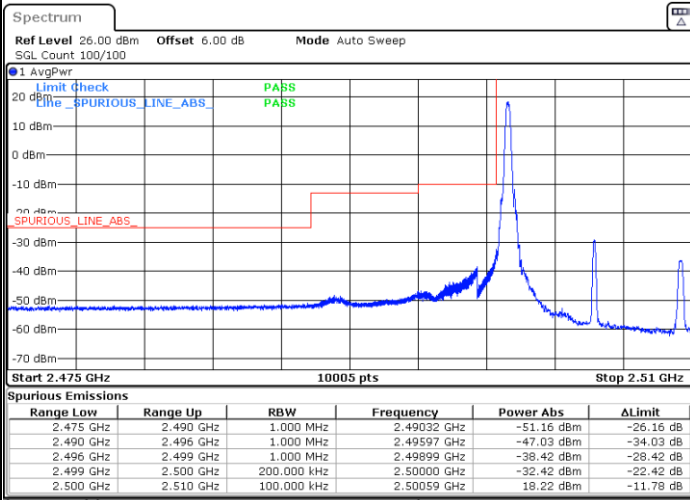
Date: 25.OCT.2023 14:50:10



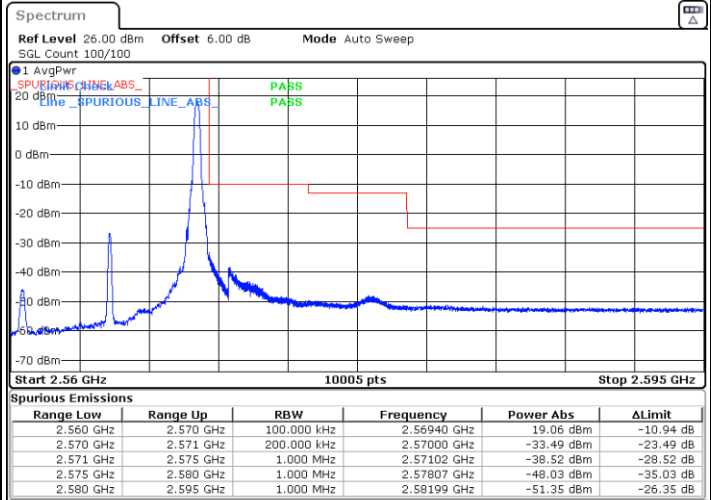
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



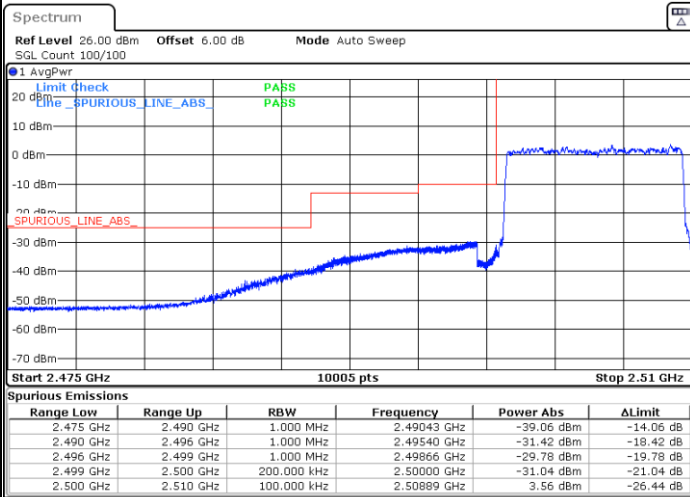
Date: 25.OCT.2023 14:35:54



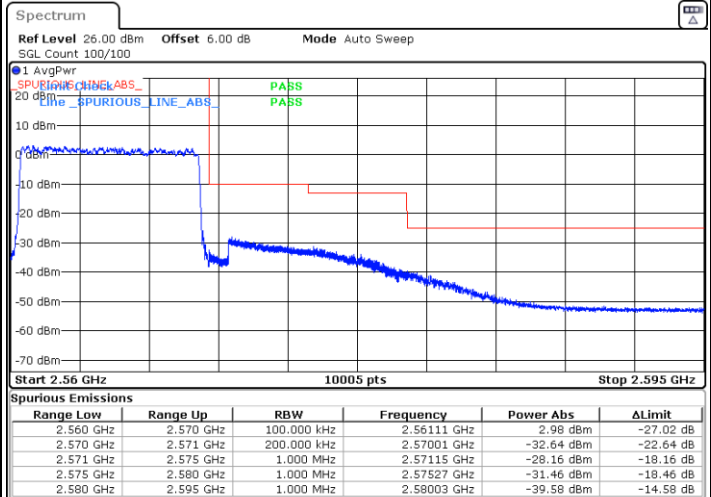
Date: 25.OCT.2023 14:47:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.OCT.2023 14:38:23



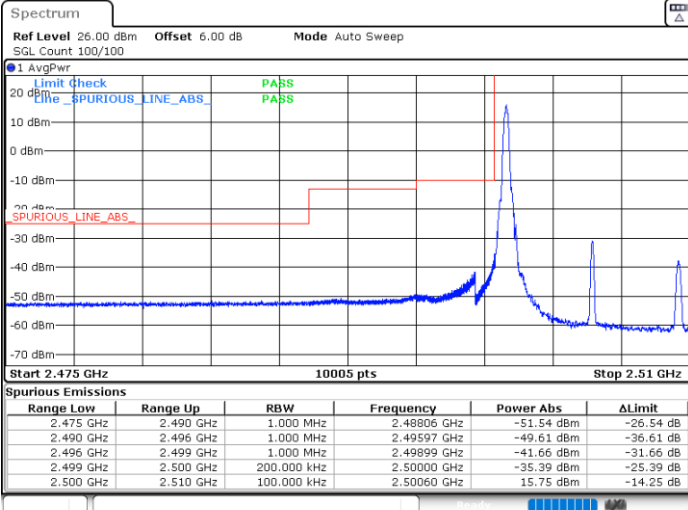
Date: 25.OCT.2023 14:50:50



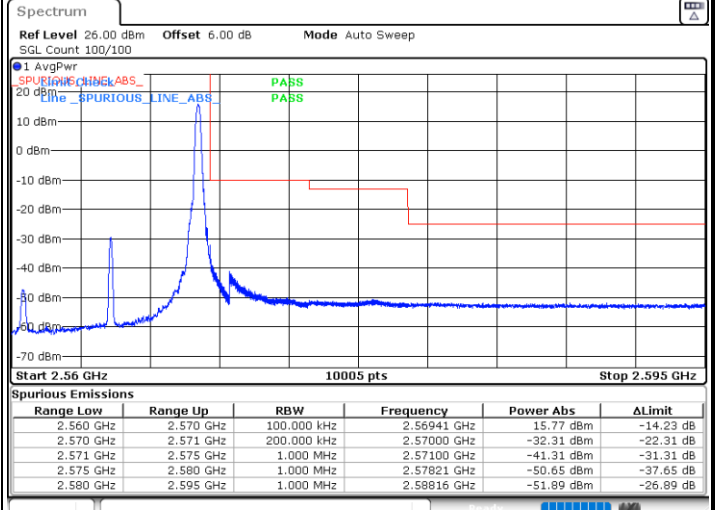
LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



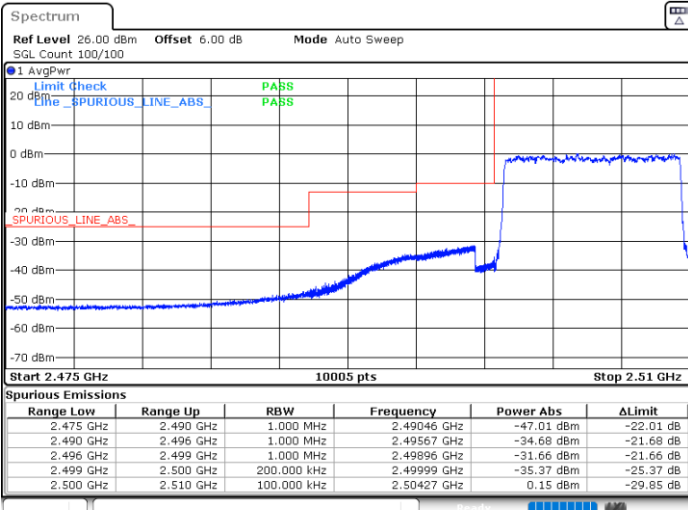
Date: 25.OCT.2023 14:36:20



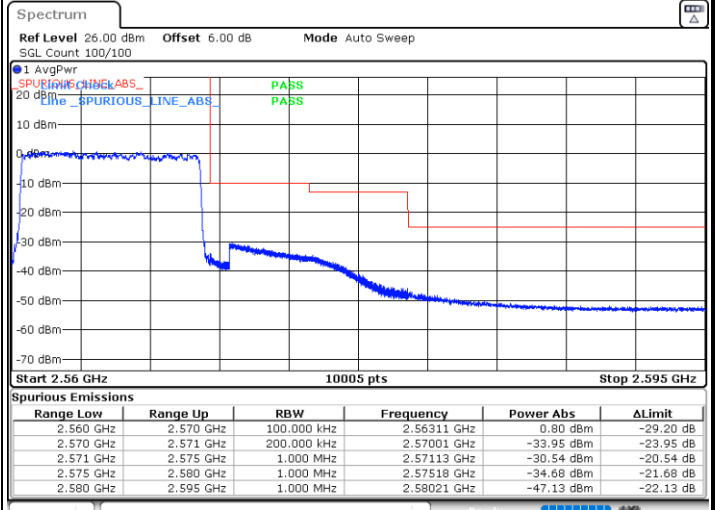
Date: 25.OCT.2023 14:48:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.OCT.2023 14:39:26



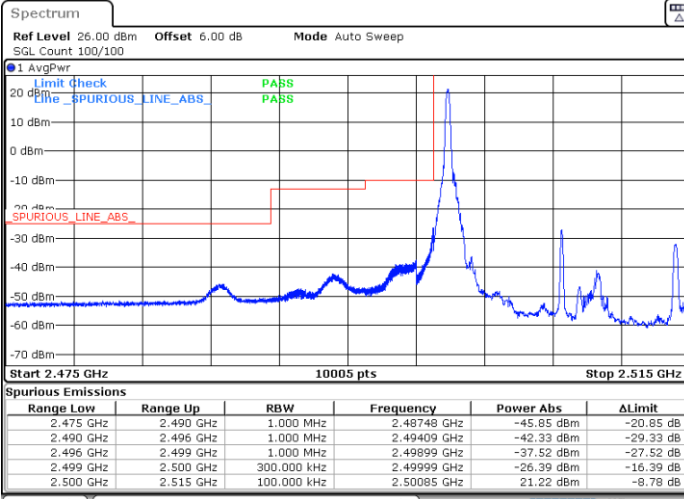
Date: 25.OCT.2023 14:51:18



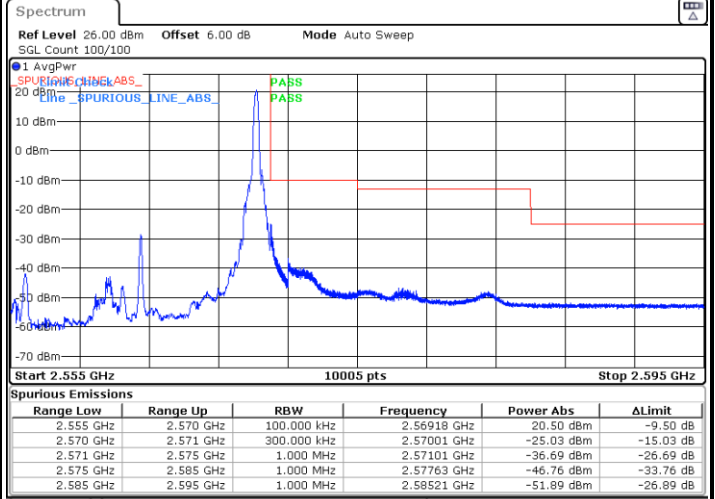
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



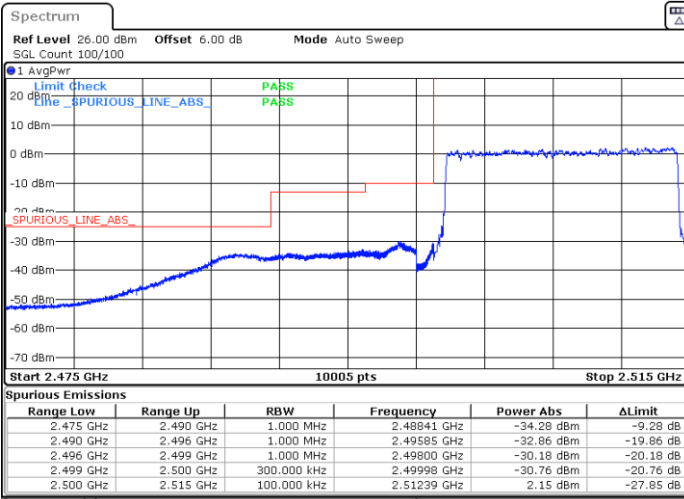
Date: 25.OCT.2023 14:55:33



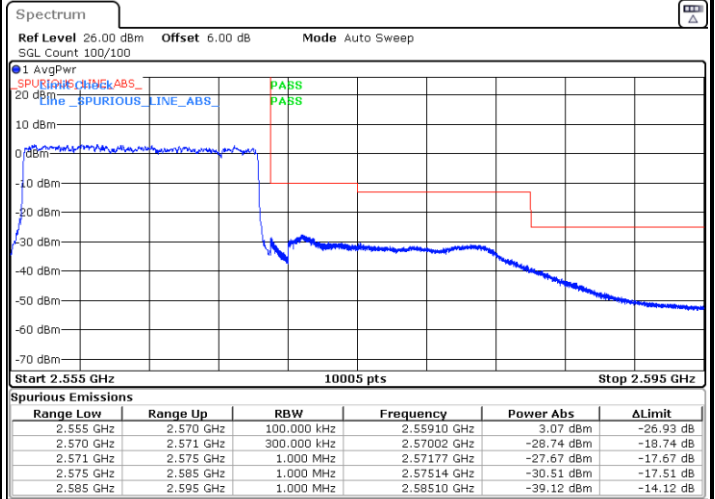
Date: 25.OCT.2023 15:17:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.OCT.2023 15:08:50

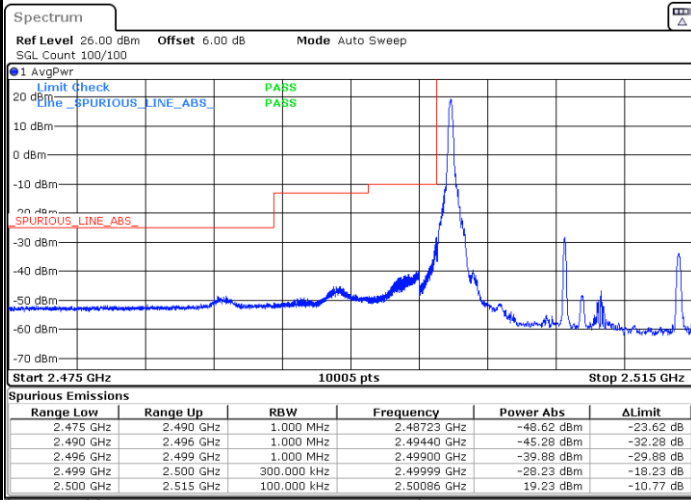


Date: 25.OCT.2023 15:21:06



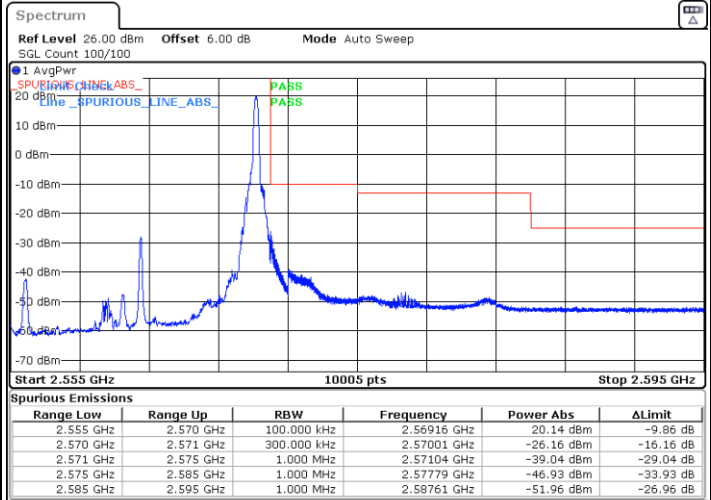
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



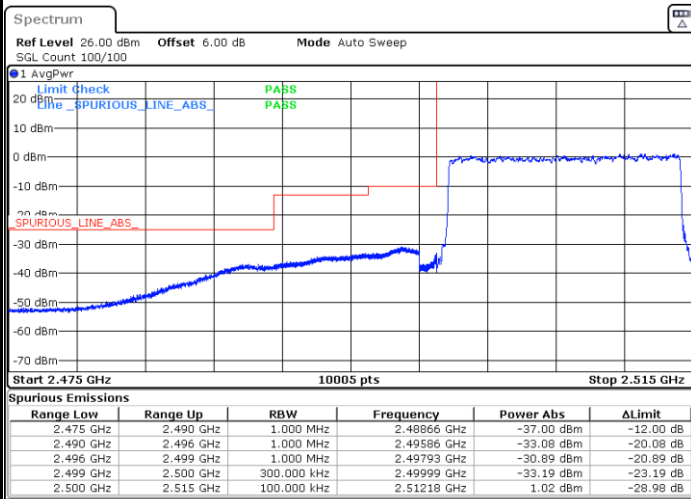
Date: 25.OCT.2023 15:06:45

Highest Band Edge / 1 RB



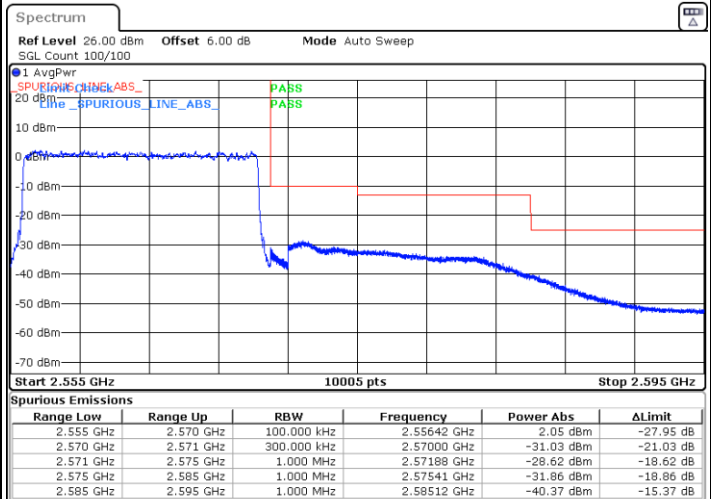
Date: 25.OCT.2023 15:17:54

Lowest Band Edge / Full RB



Date: 25.OCT.2023 15:09:22

Highest Band Edge / Full RB

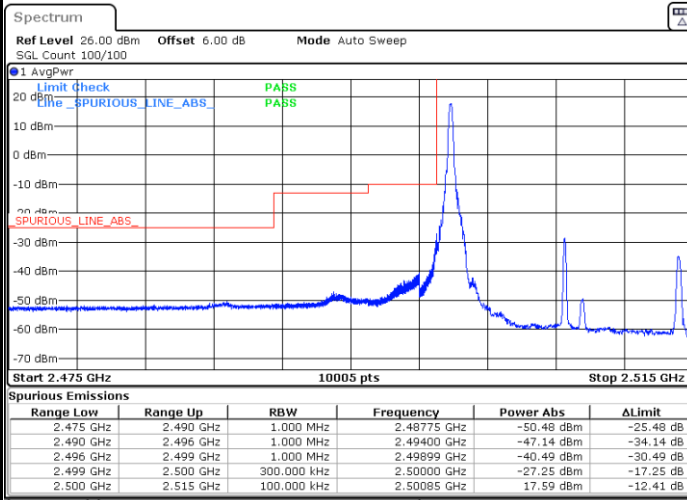


Date: 25.OCT.2023 15:21:40



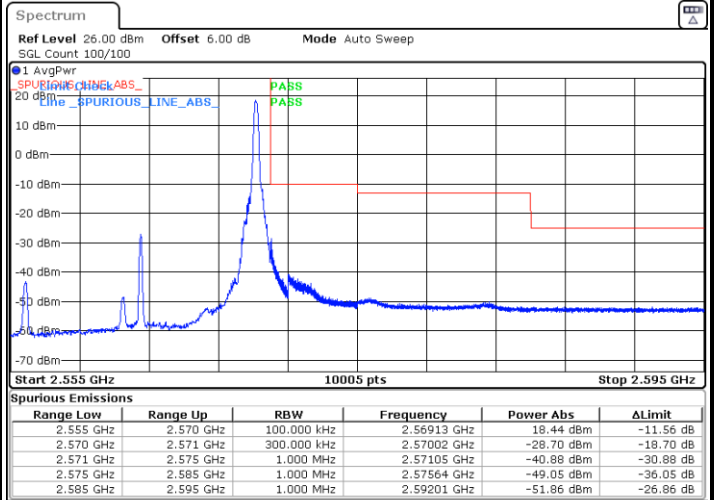
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



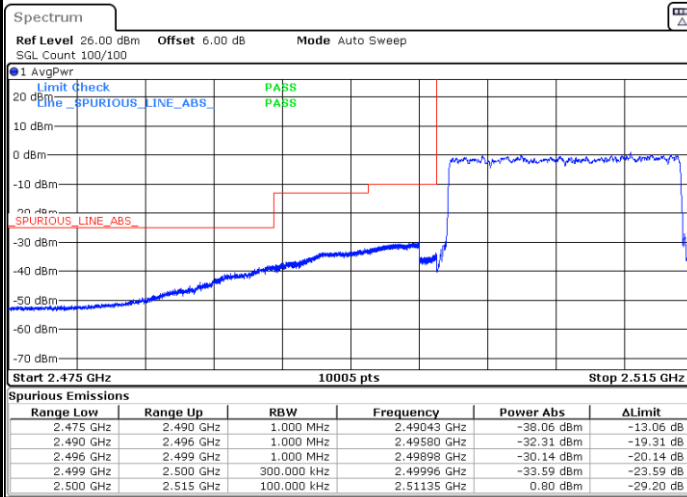
Date: 25.OCT.2023 15:07:09

Highest Band Edge / 1 RB



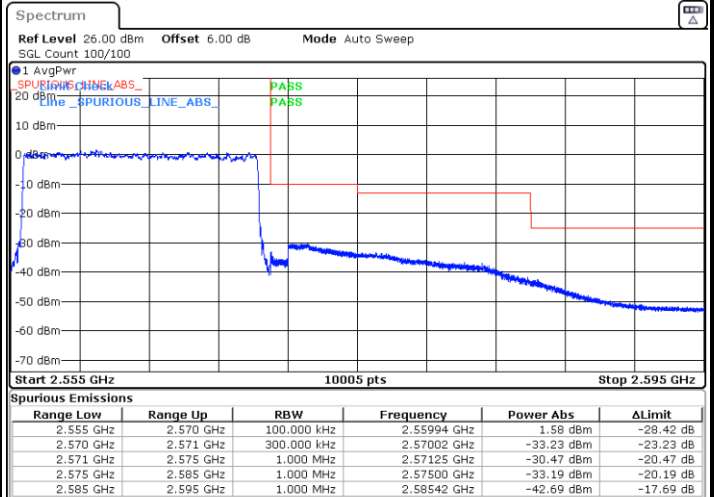
Date: 25.OCT.2023 15:19:16

Lowest Band Edge / Full RB



Date: 25.OCT.2023 15:09:55

Highest Band Edge / Full RB

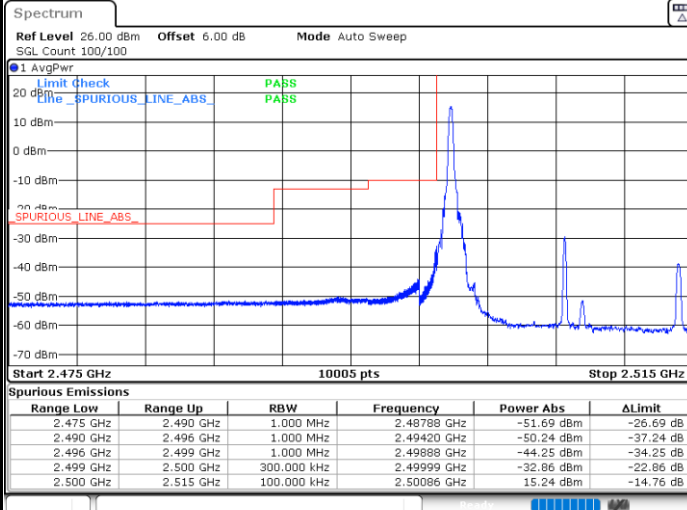


Date: 25.OCT.2023 15:22:01



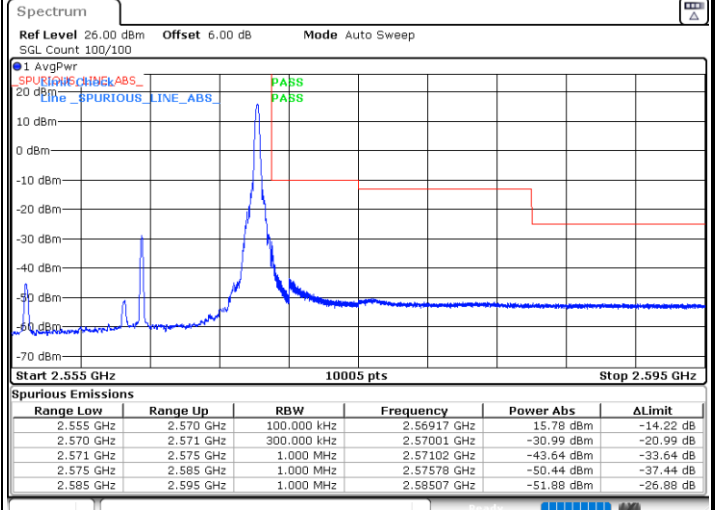
LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / 1RB



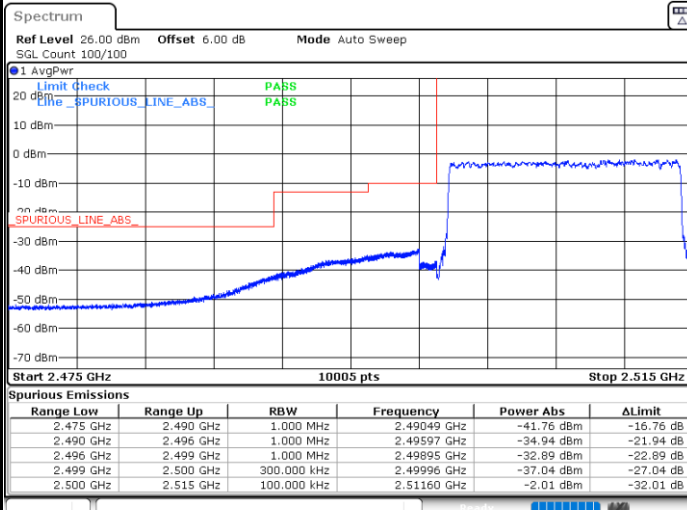
Date: 25.OCT.2023 15:07:39

Highest Band Edge / 1 RB



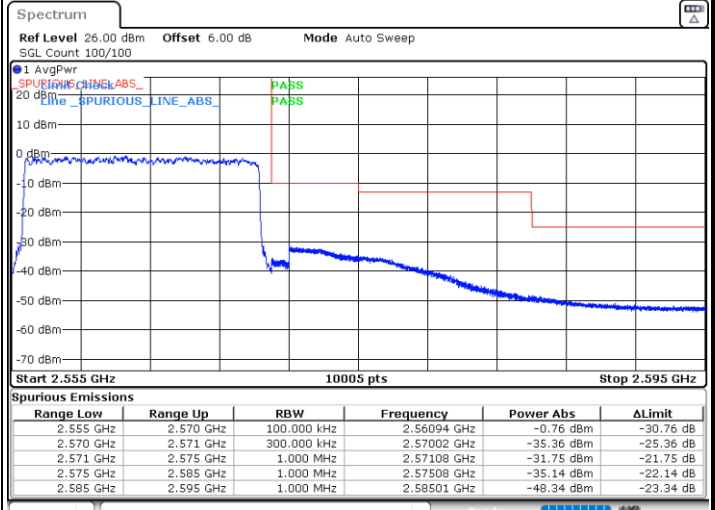
Date: 25.OCT.2023 15:19:55

Lowest Band Edge / Full RB



Date: 25.OCT.2023 15:10:19

Highest Band Edge / Full RB



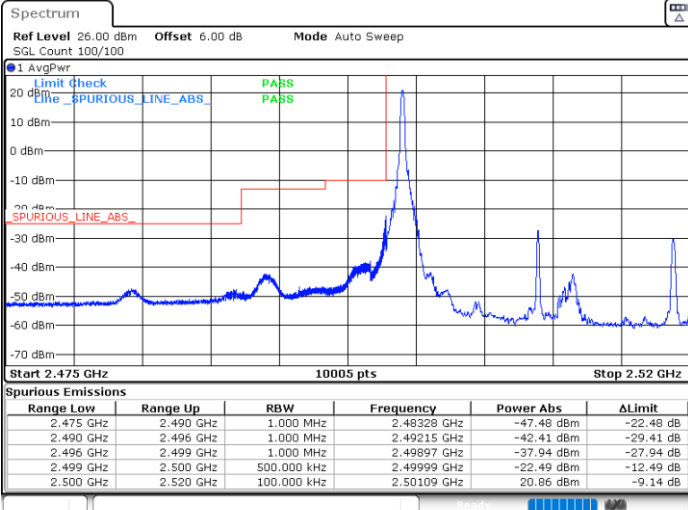
Date: 25.OCT.2023 15:22:43



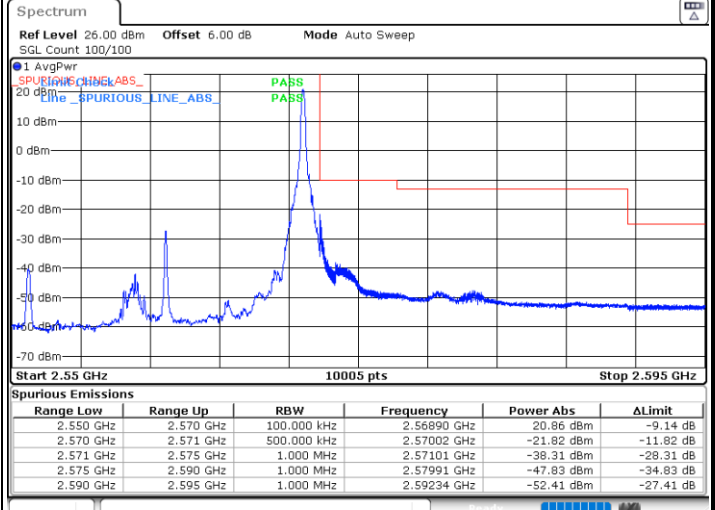
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



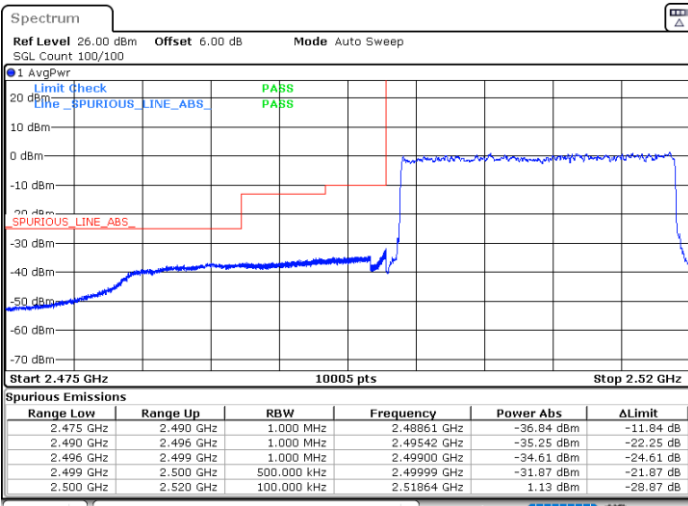
Date: 25.OCT.2023 15:41:00



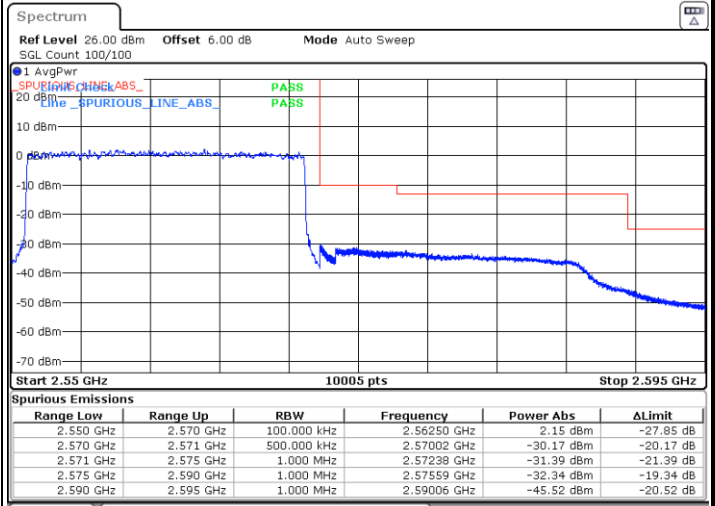
Date: 25.OCT.2023 16:08:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.OCT.2023 15:43:56

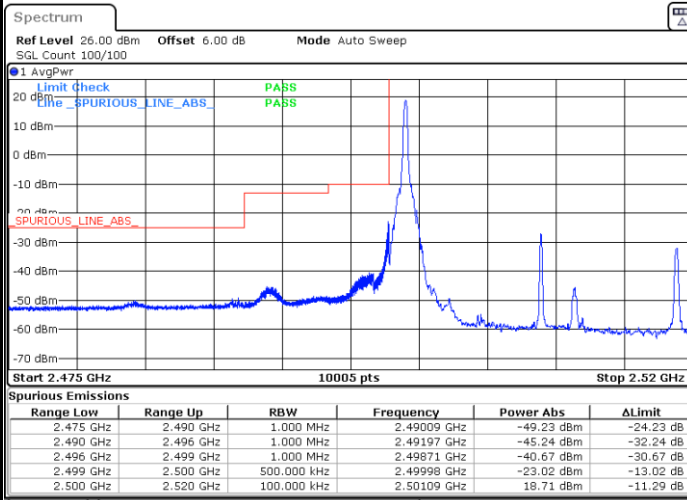


Date: 25.OCT.2023 16:10:12



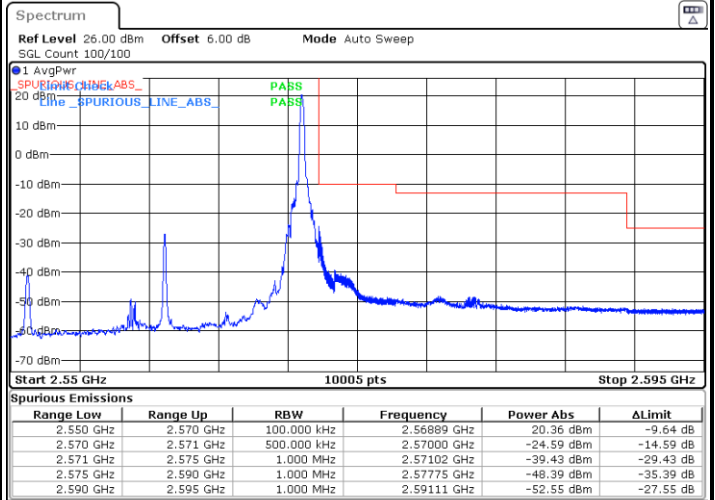
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



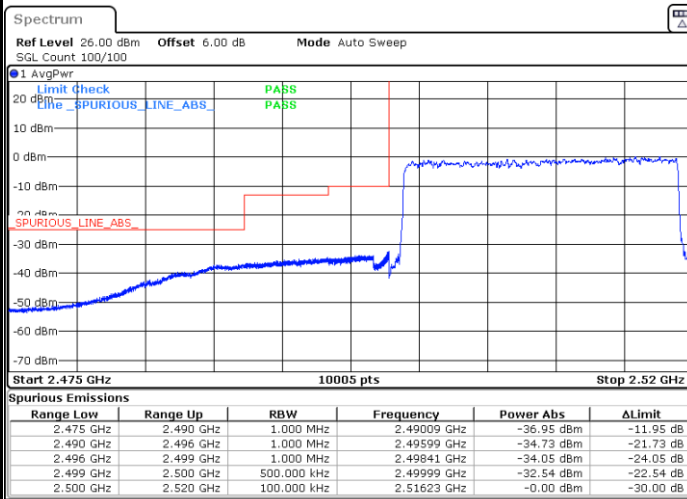
Date: 25.OCT.2023 15:41:26

Highest Band Edge / 1 RB



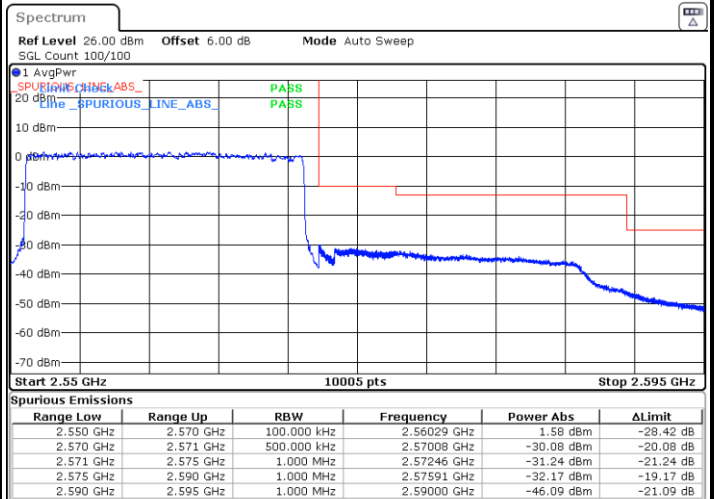
Date: 25.OCT.2023 16:08:45

Lowest Band Edge / Full RB



Date: 25.OCT.2023 15:44:32

Highest Band Edge / Full RB



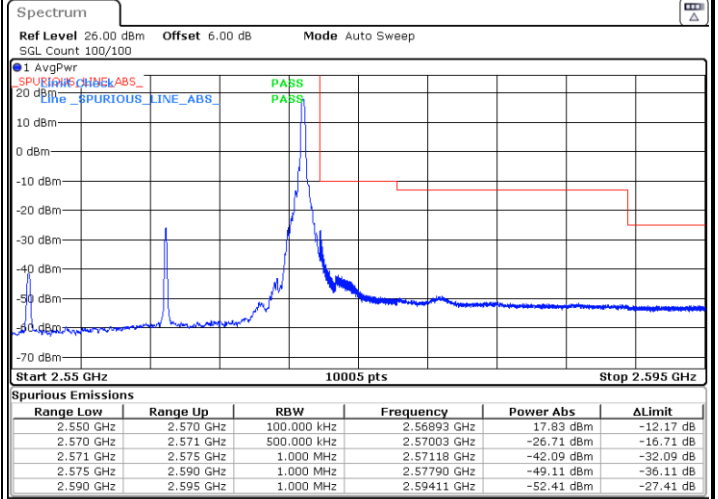
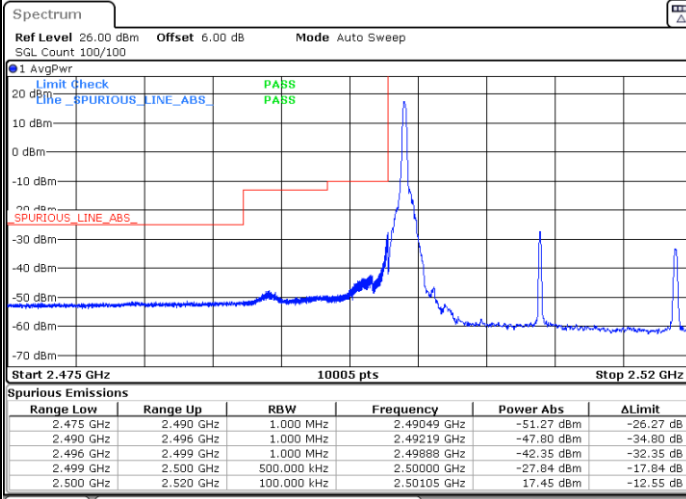
Date: 25.OCT.2023 16:10:30



LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

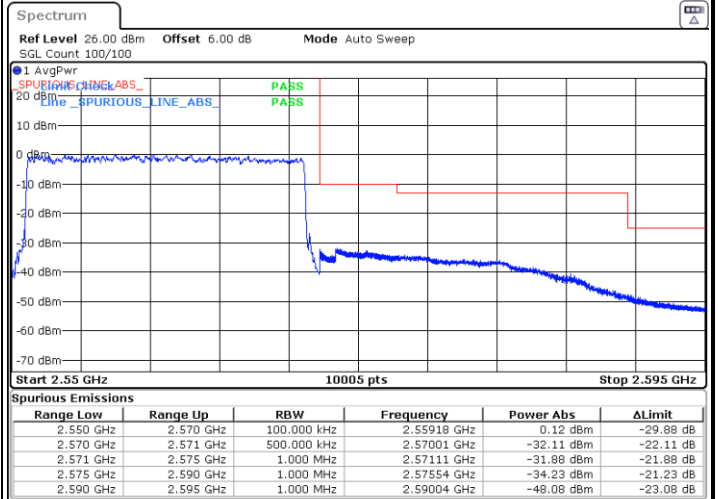
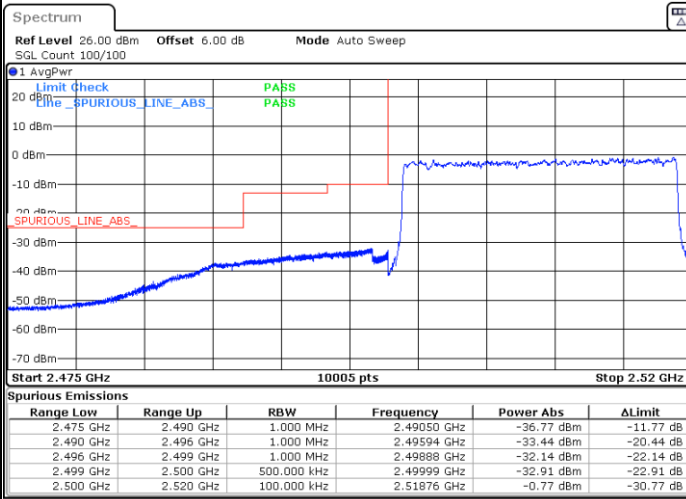


Date: 25.OCT.2023 15:41:51

Date: 25.OCT.2023 16:09:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



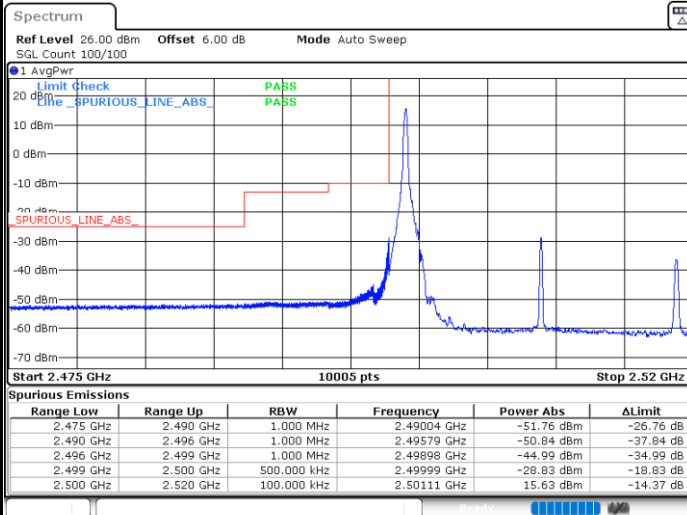
Date: 25.OCT.2023 15:45:10

Date: 25.OCT.2023 16:11:04



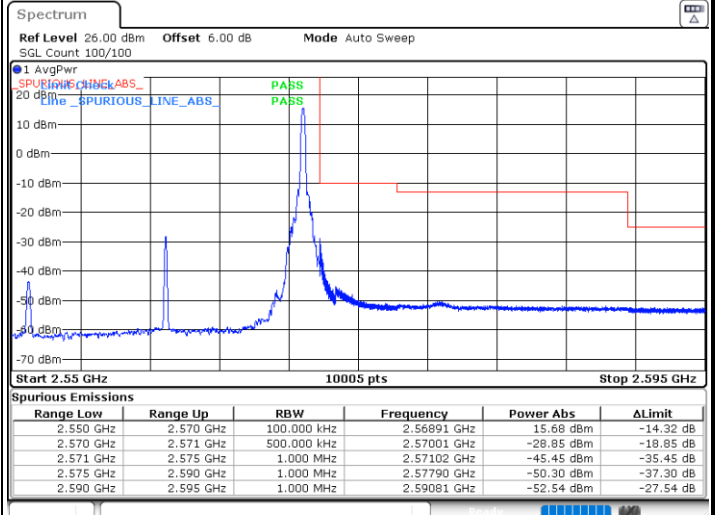
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1RB



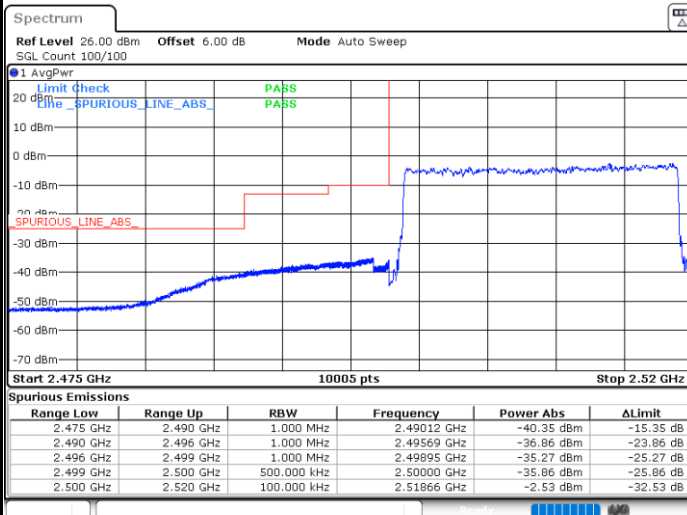
Date: 25.OCT.2023 15:43:19

Highest Band Edge / 1 RB



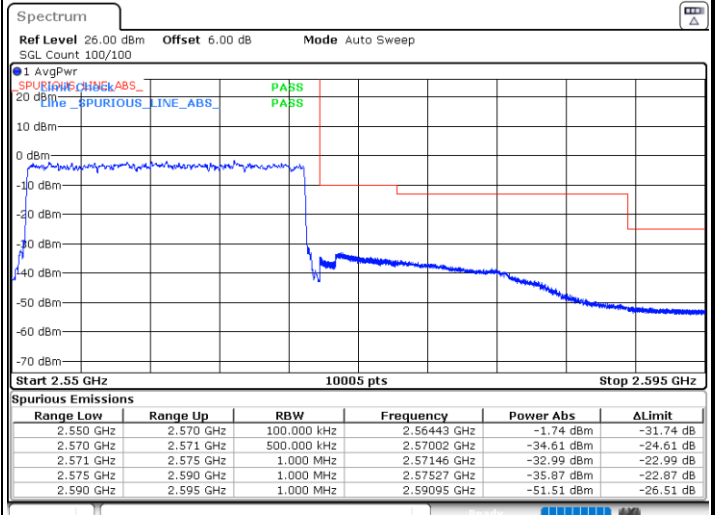
Date: 25.OCT.2023 16:09:30

Lowest Band Edge / Full RB



Date: 25.OCT.2023 15:56:39

Highest Band Edge / Full RB



Date: 25.OCT.2023 16:11:58



Conducted Spurious Emission

