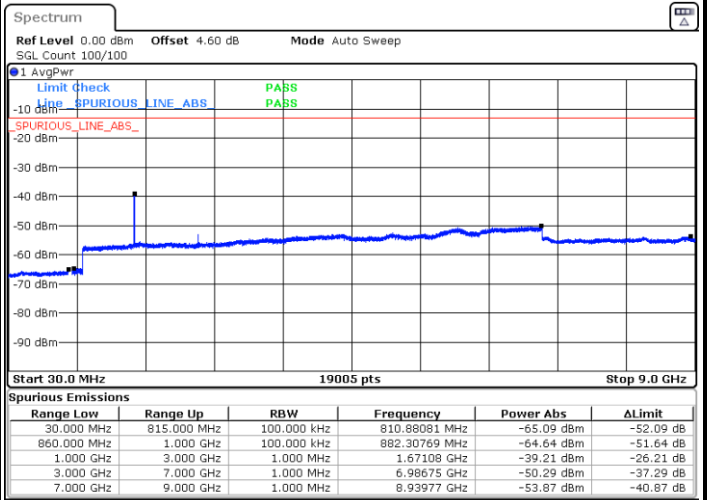
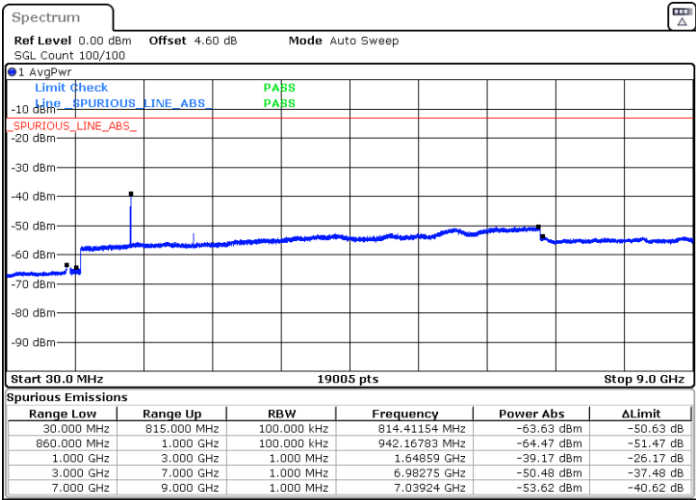




LTE Band 5 / 3MHz

Lowest Channel / QPSK

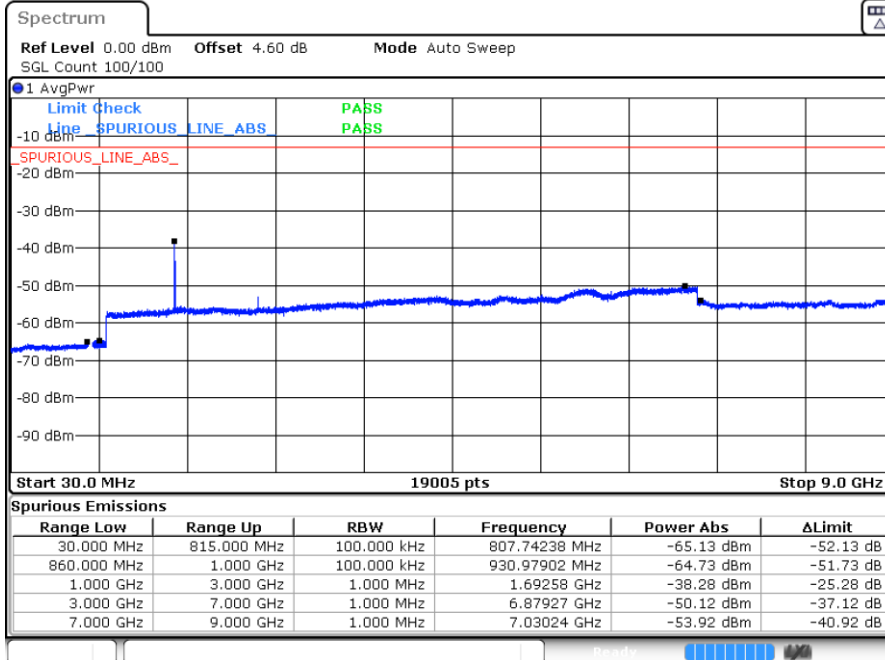
Middle Channel / QPSK



Date: 5 JAN 2023 03:18:43

Date: 5 JAN 2023 03:28:36

Highest Channel / QPSK



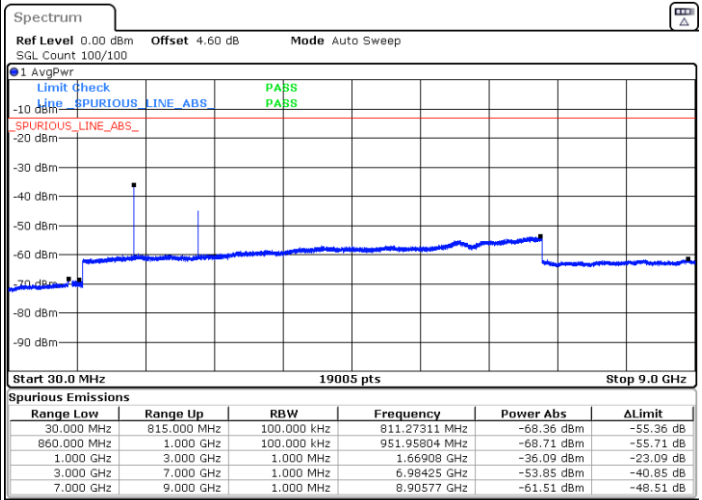
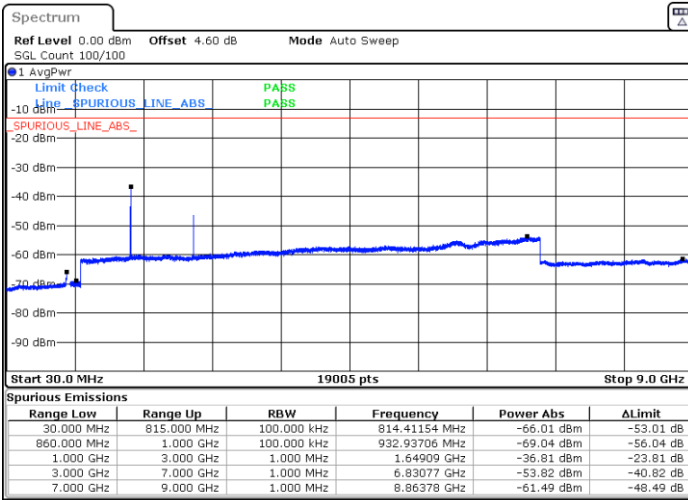
Date: 5 JAN 2023 03:30:06



LTE Band 5 / 5MHz

Lowest Channel / QPSK

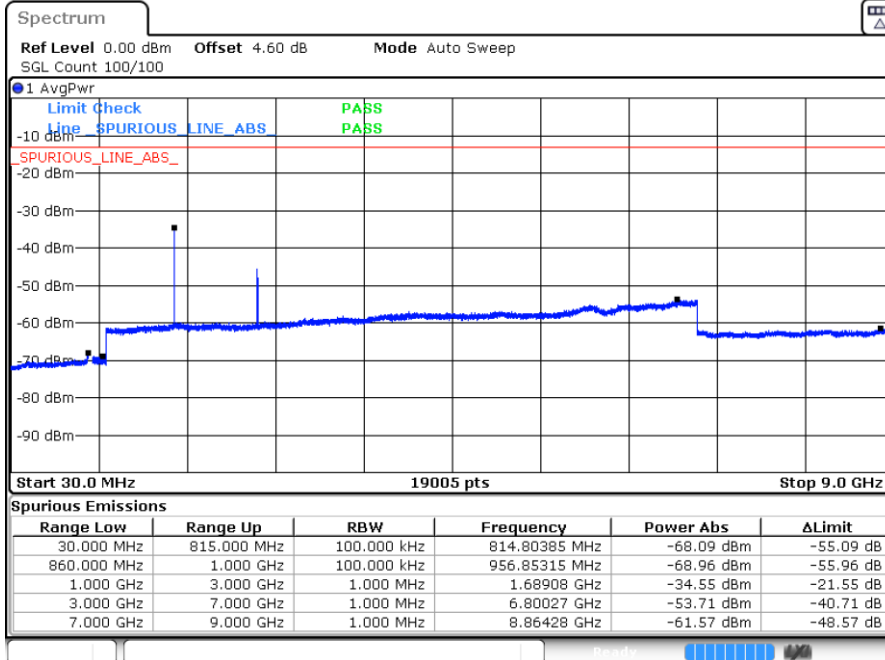
Middle Channel / QPSK



Date: 5 JAN 2023 03:39:55

Date: 5 JAN 2023 03:47:08

Highest Channel / QPSK



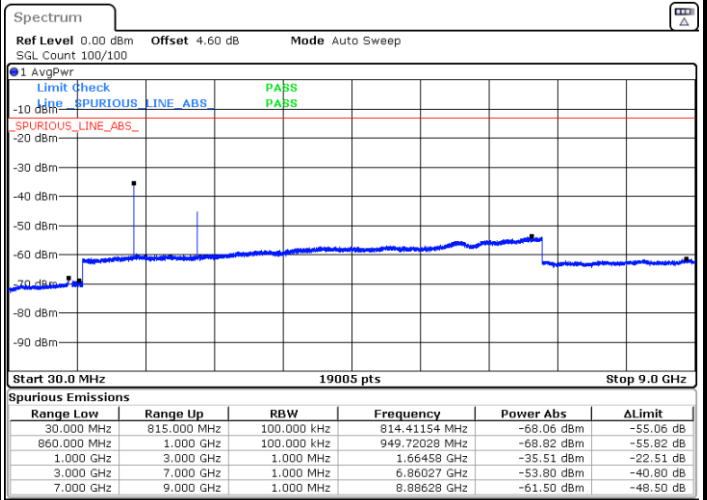
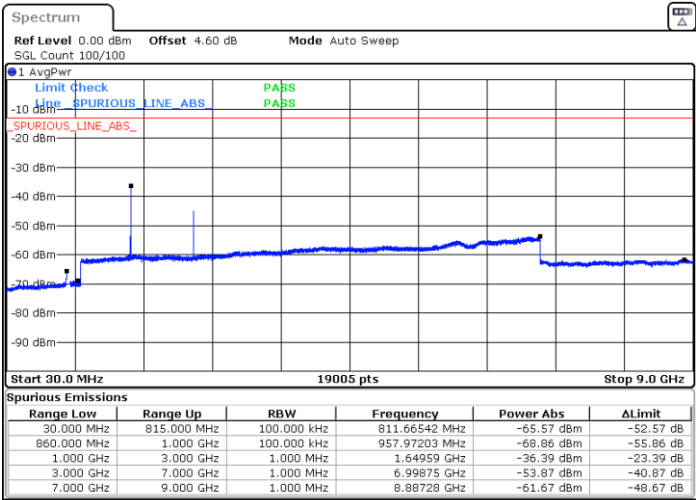
Date: 5 JAN 2023 03:48:35



LTE Band 5 / 10MHz

Lowest Channel / QPSK

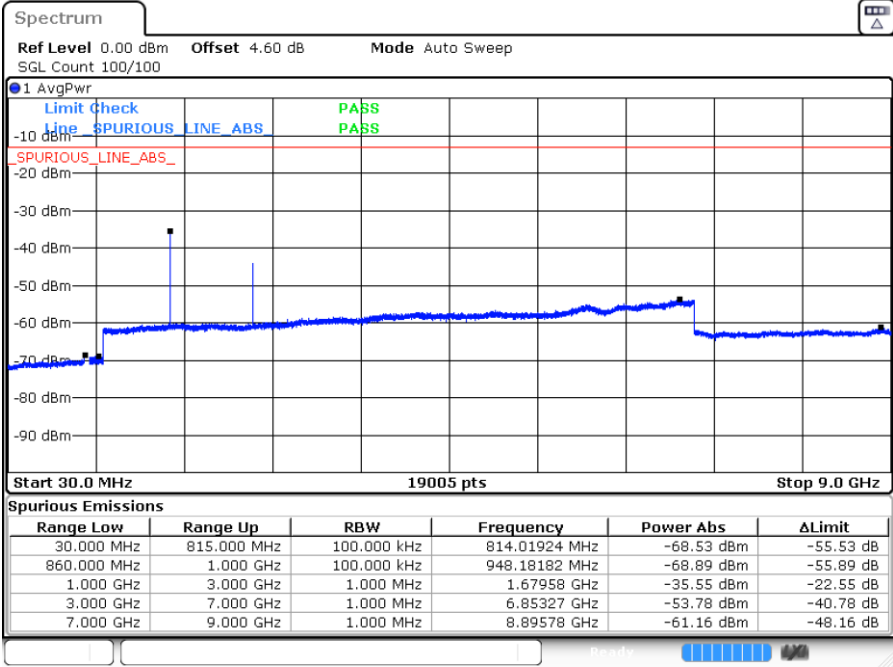
Middle Channel / QPSK



Date: 5 JAN 2023 03:56:44

Date: 5 JAN 2023 04:07:05

Highest Channel / QPSK



Date: 5 JAN 2023 04:10:32



Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0025	

Note:

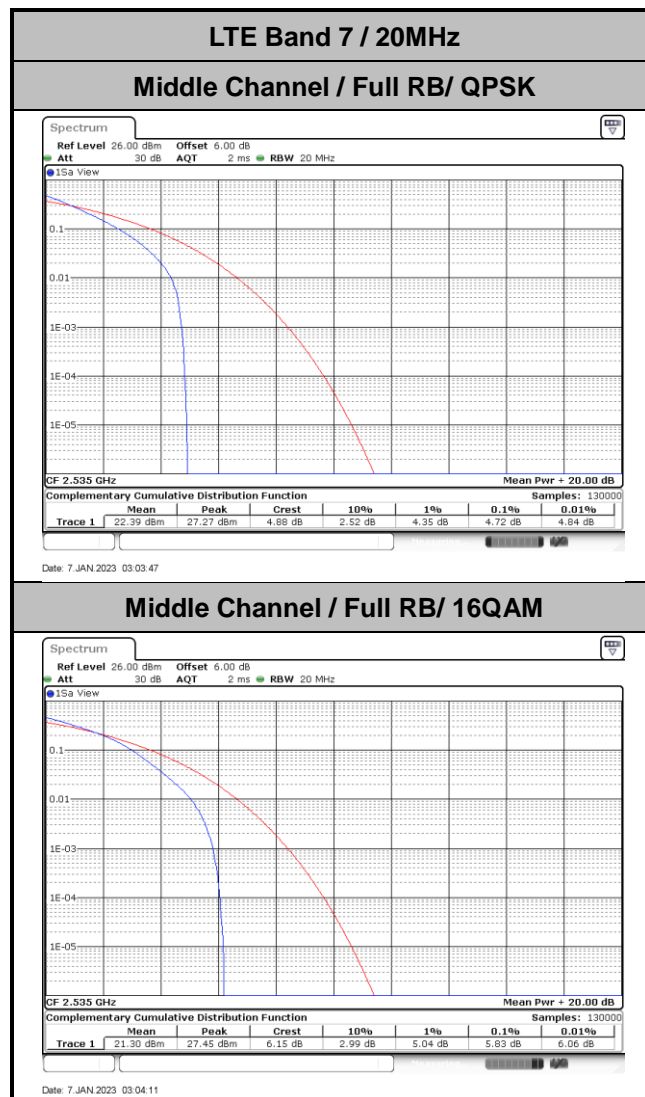
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

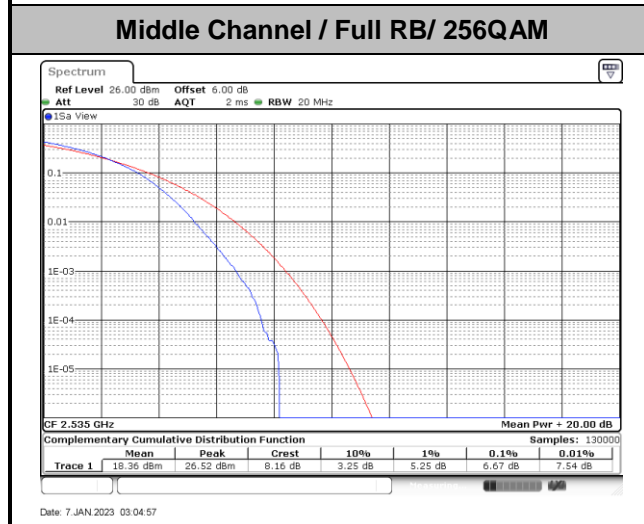
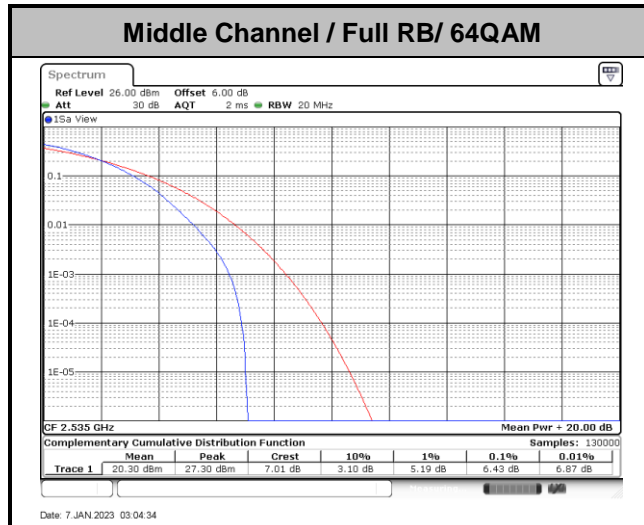


LTE Band 7

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	4.72	5.83	6.43	6.67	PASS

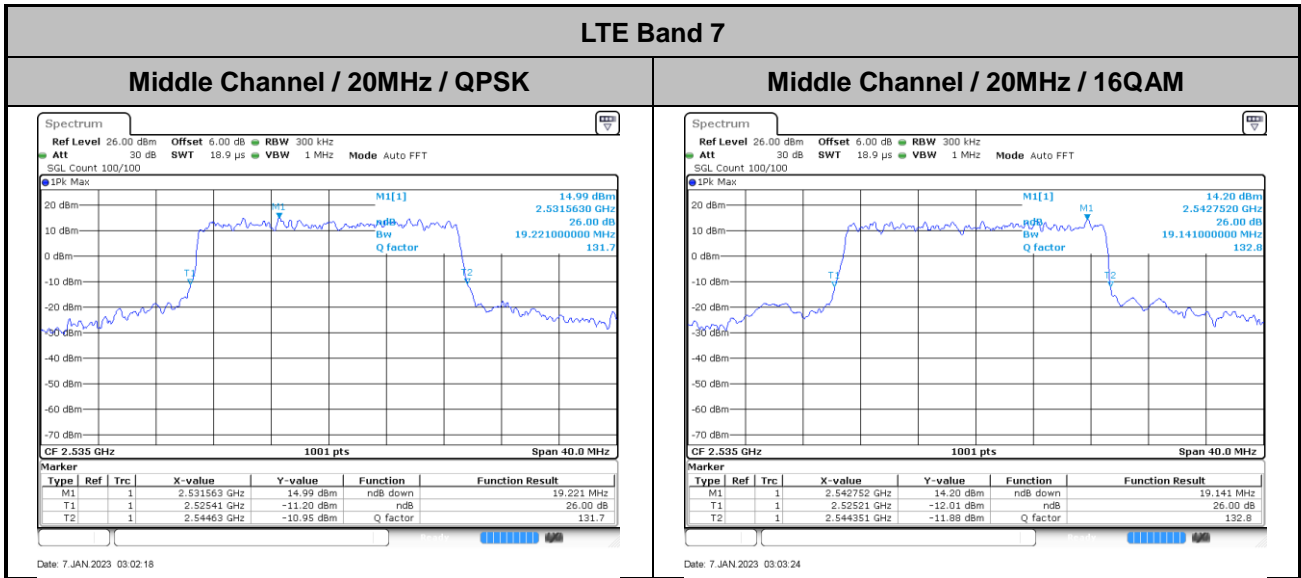






26dB Bandwidth

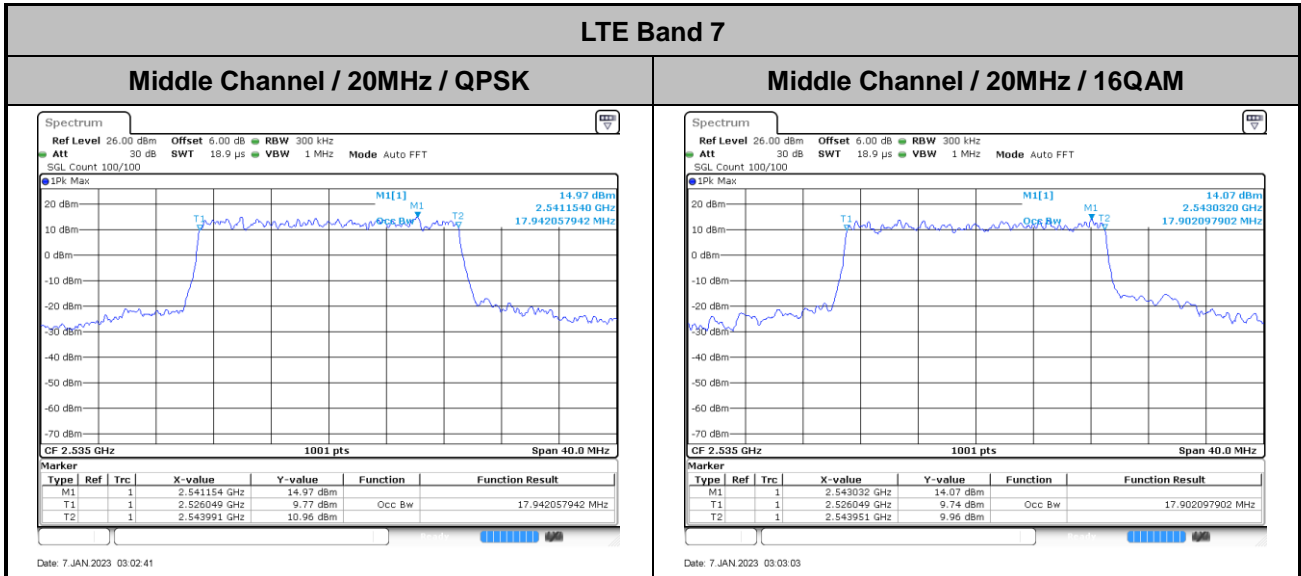
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.22	19.14





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.90

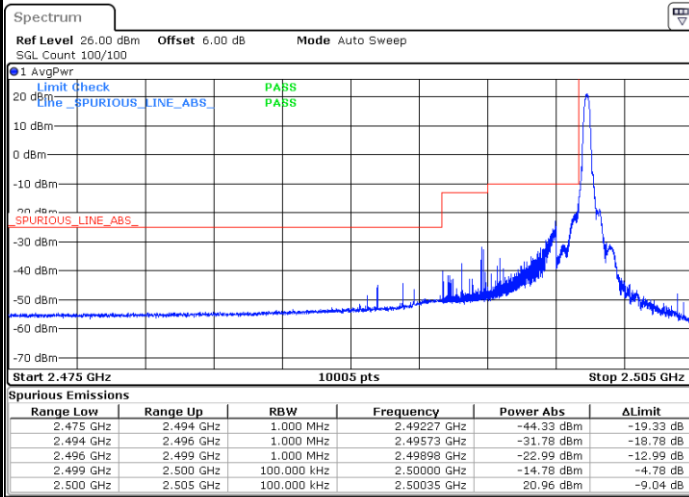




Conducted Band Edge

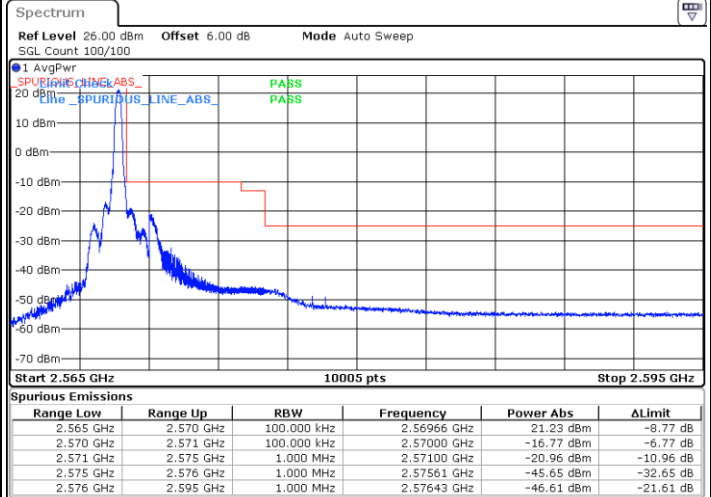
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



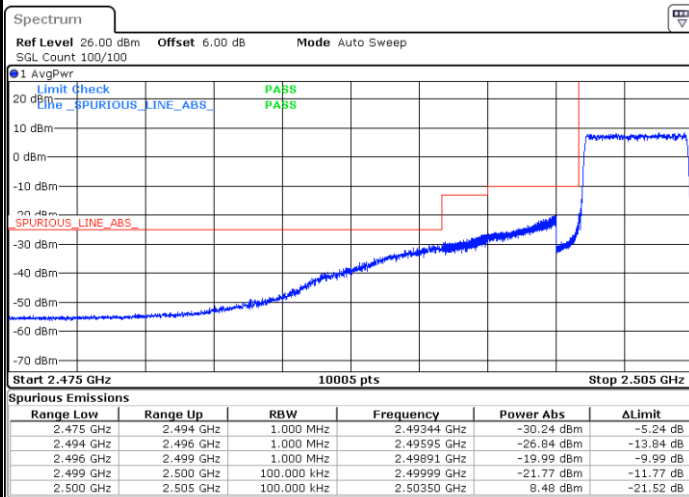
Date: 7 JAN 2023 00:58:21

Highest Band Edge / 1 RB



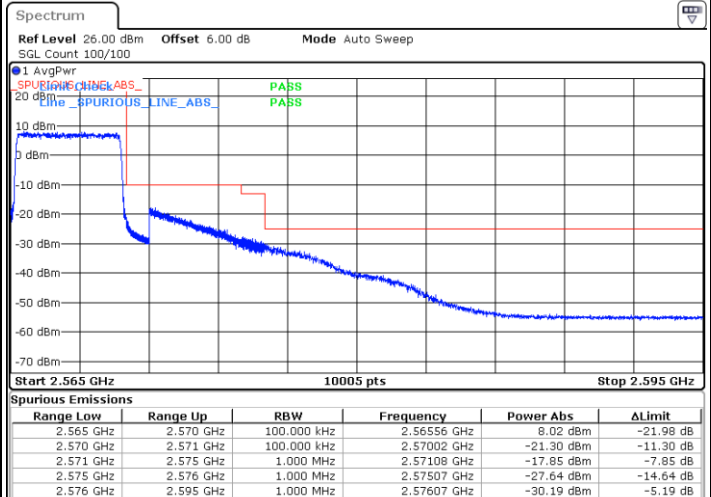
Date: 7 JAN 2023 01:14:32

Lowest Band Edge / Full RB



Date: 7 JAN 2023 01:10:12

Highest Band Edge / Full RB

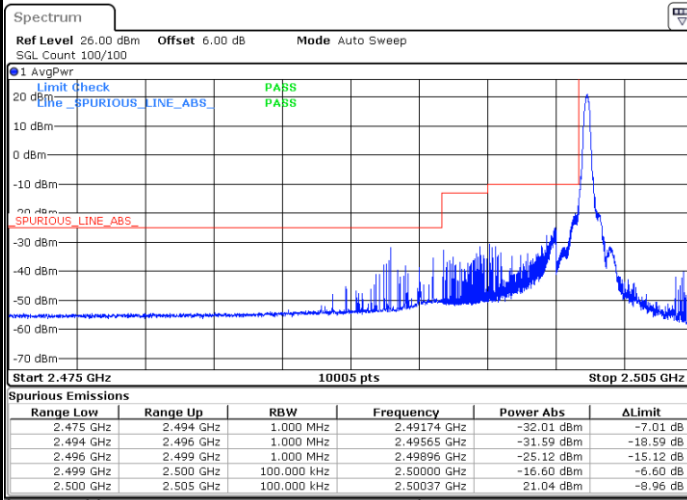


Date: 7 JAN 2023 01:28:22



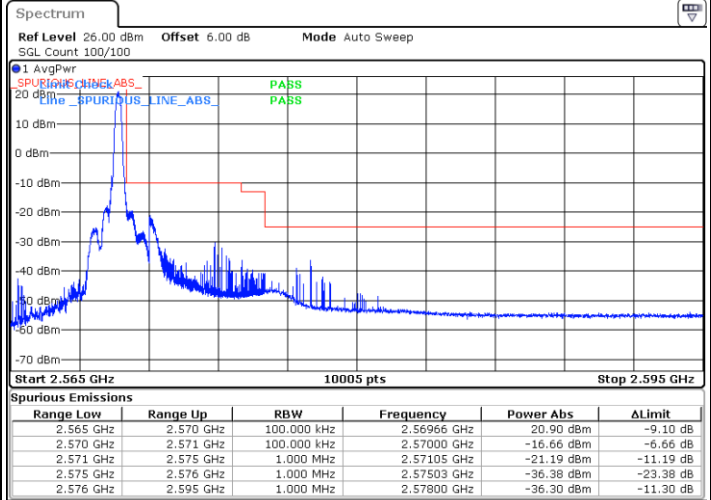
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



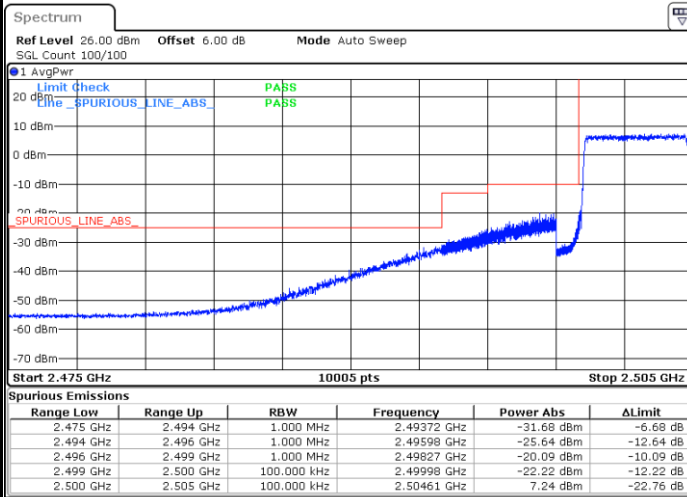
Date: 7. JAN 2023 01:00:02

Highest Band Edge / 1 RB



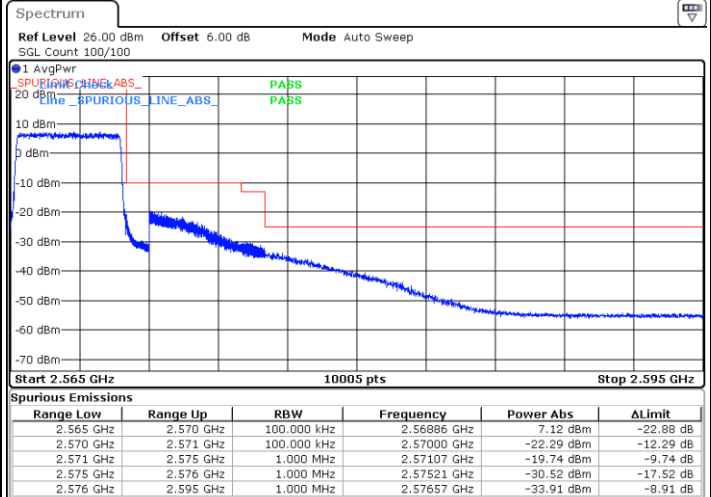
Date: 7. JAN 2023 01:16:12

Lowest Band Edge / Full RB



Date: 7. JAN 2023 01:08:31

Highest Band Edge / Full RB

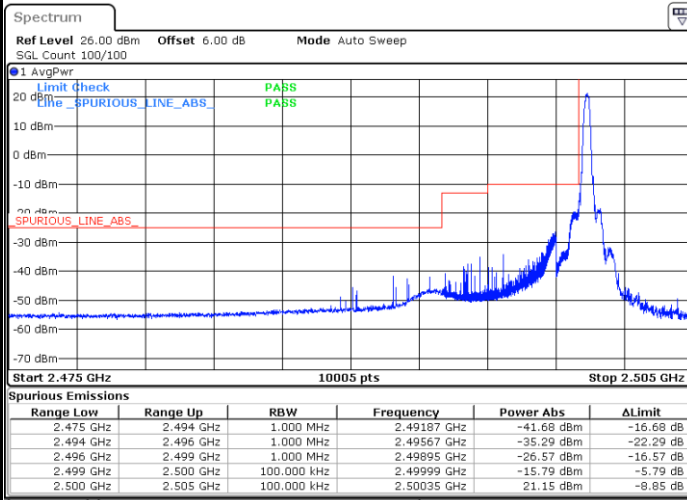


Date: 7. JAN 2023 01:24:41



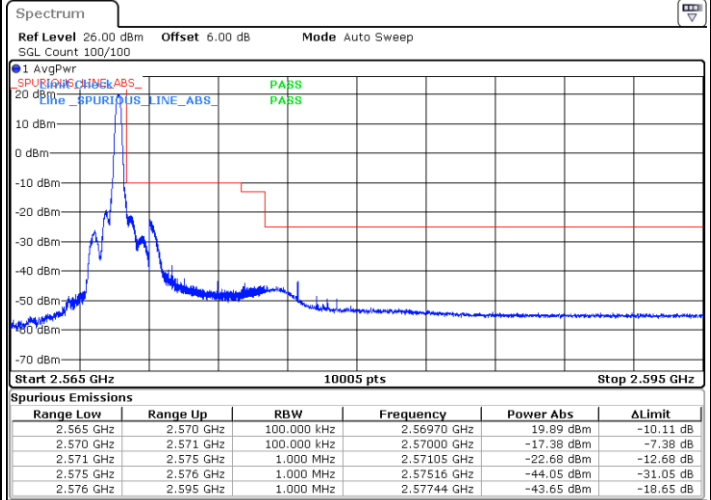
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



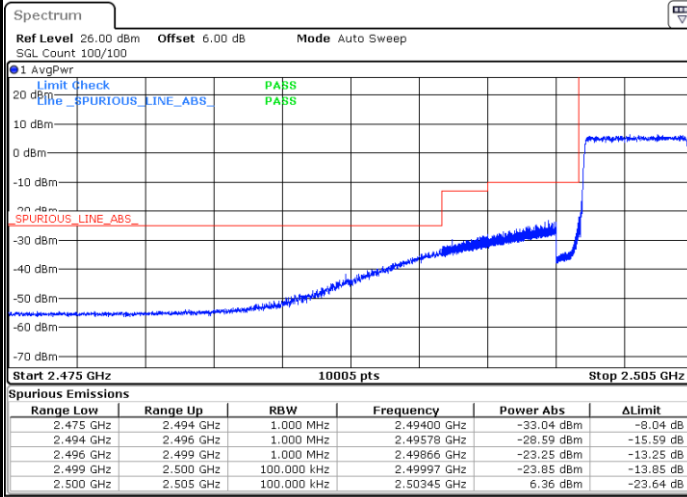
Date: 7. JAN 2023 01:01:42

Highest Band Edge / 1 RB



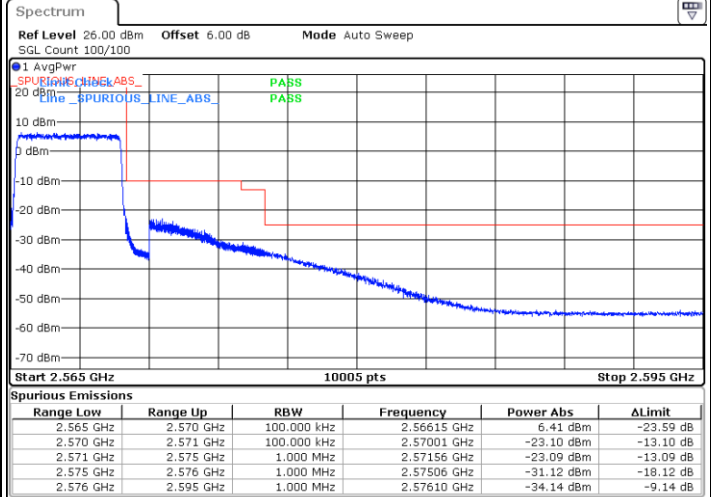
Date: 7. JAN 2023 01:17:53

Lowest Band Edge / Full RB



Date: 7. JAN 2023 01:06:51

Highest Band Edge / Full RB

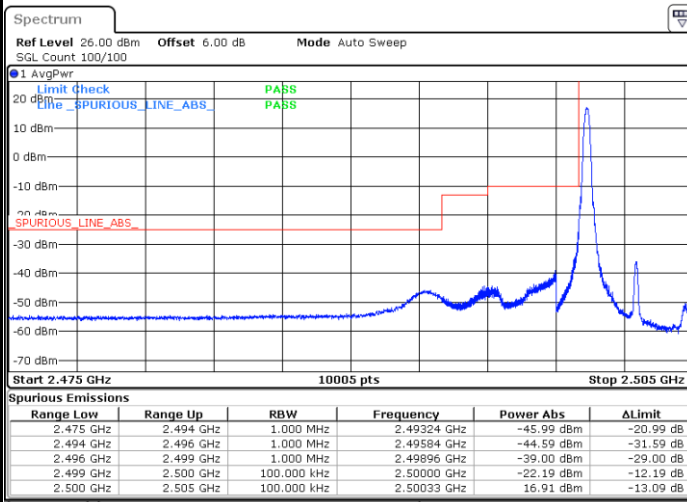


Date: 7. JAN 2023 01:23:00



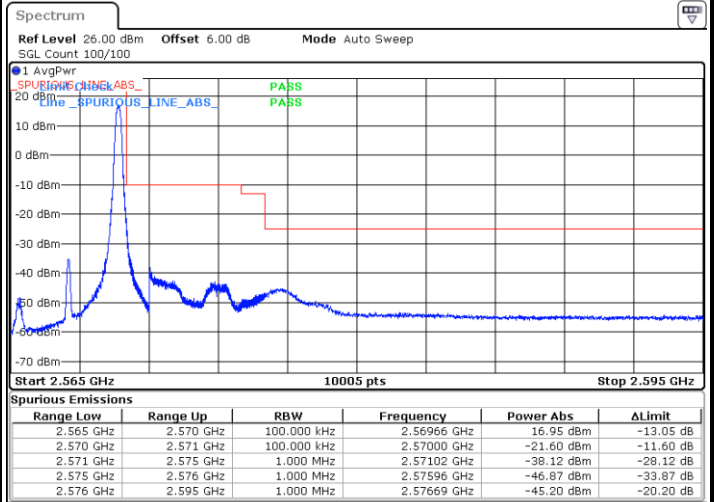
LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB



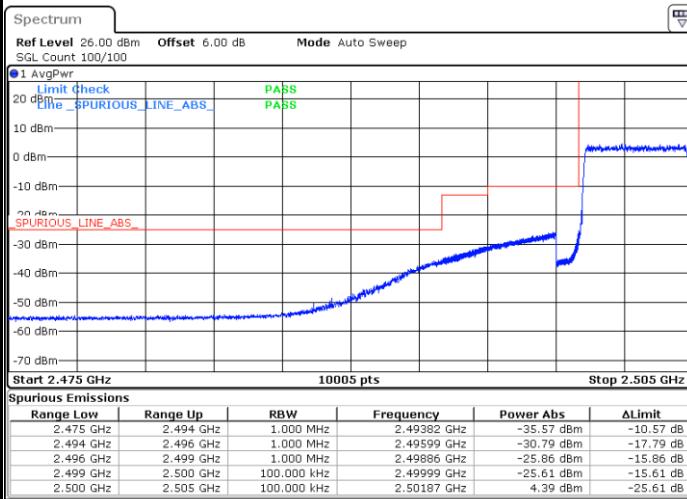
Date: 7. JAN 2023 01:03:23

Highest Band Edge / 1 RB



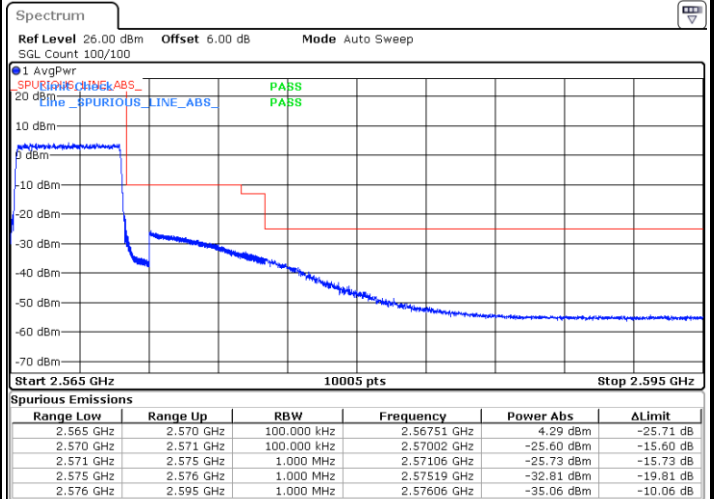
Date: 7. JAN 2023 01:19:34

Lowest Band Edge / Full RB



Date: 7. JAN 2023 01:05:07

Highest Band Edge / Full RB



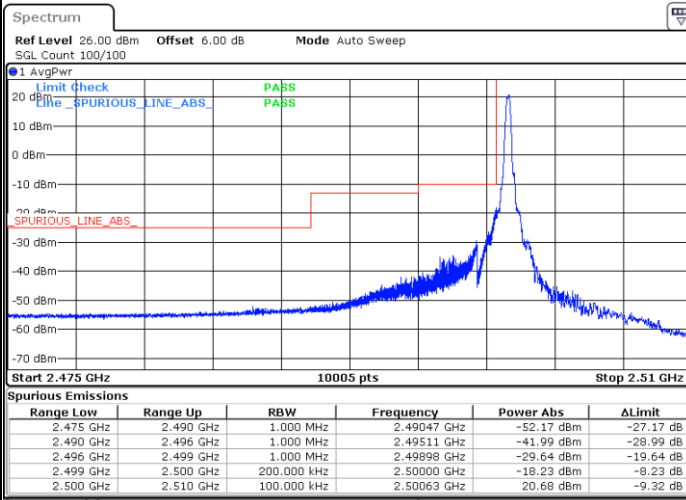
Date: 7. JAN 2023 01:21:17



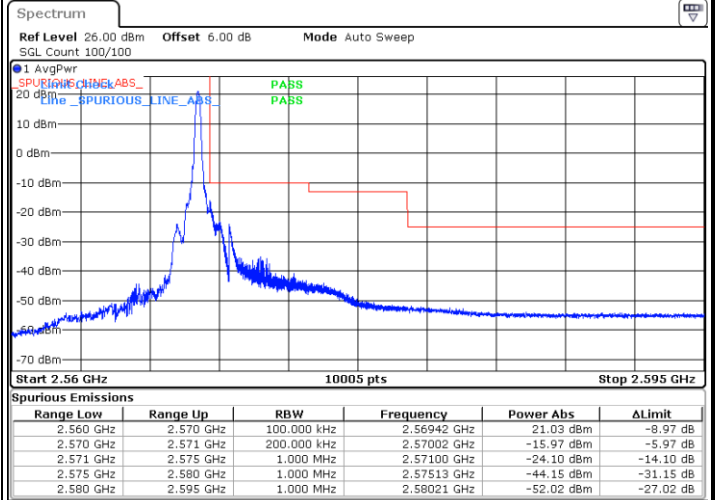
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



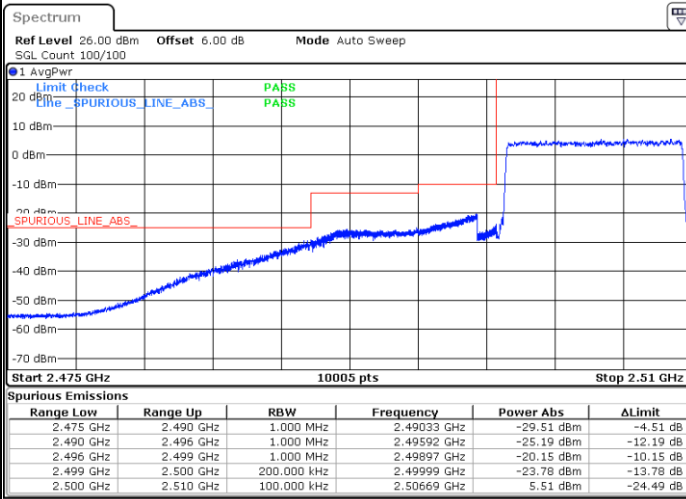
Date: 7. JAN 2023 01:29:22



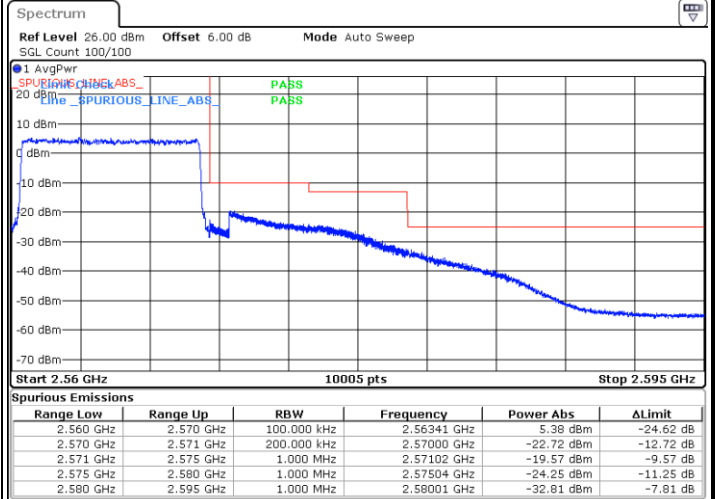
Date: 7. JAN 2023 01:47:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7. JAN 2023 01:42:57

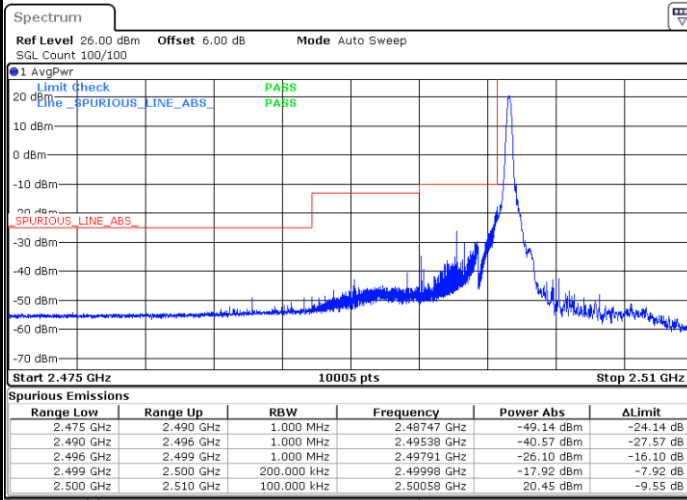


Date: 7. JAN 2023 01:59:03



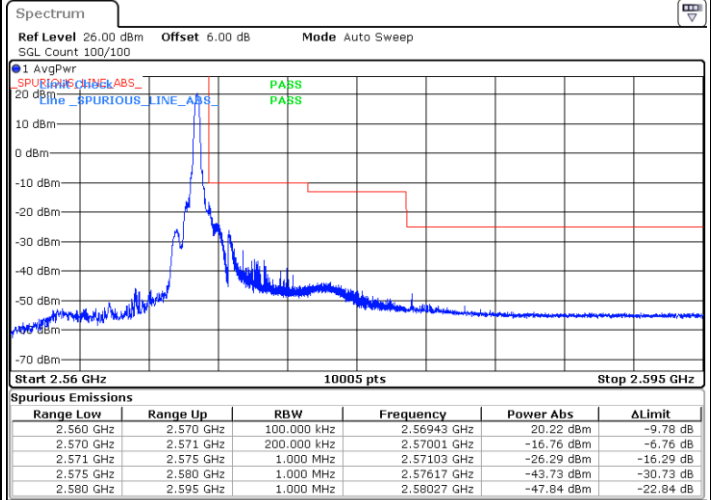
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



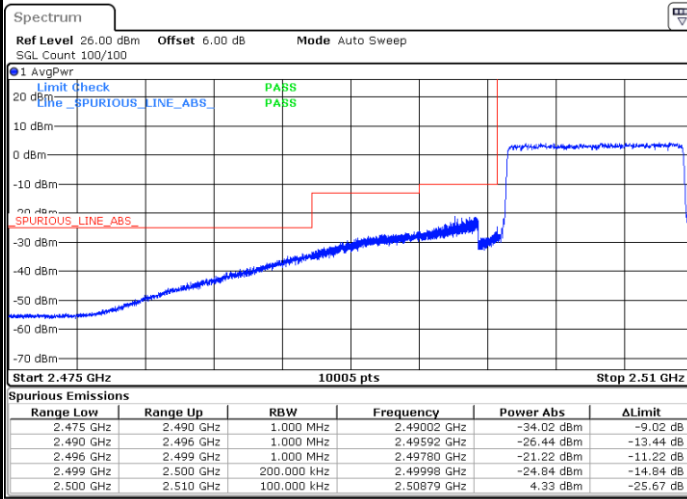
Date: 7. JAN 2023 01:31:03

Highest Band Edge / 1 RB



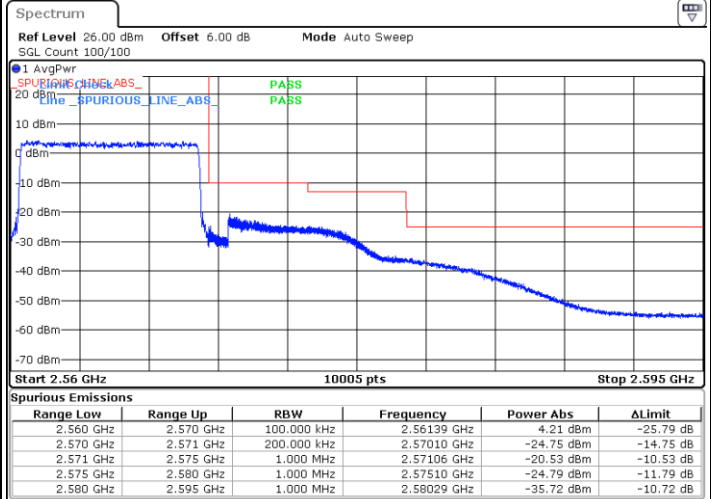
Date: 7. JAN 2023 01:48:57

Lowest Band Edge / Full RB



Date: 7. JAN 2023 01:41:16

Highest Band Edge / Full RB

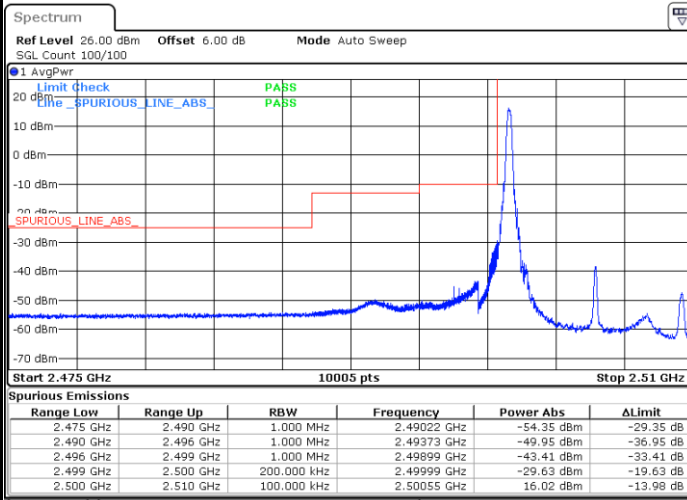


Date: 7. JAN 2023 01:57:22



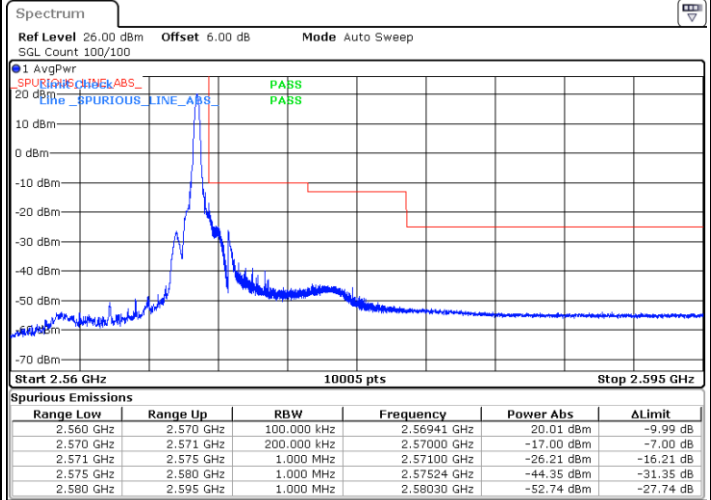
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



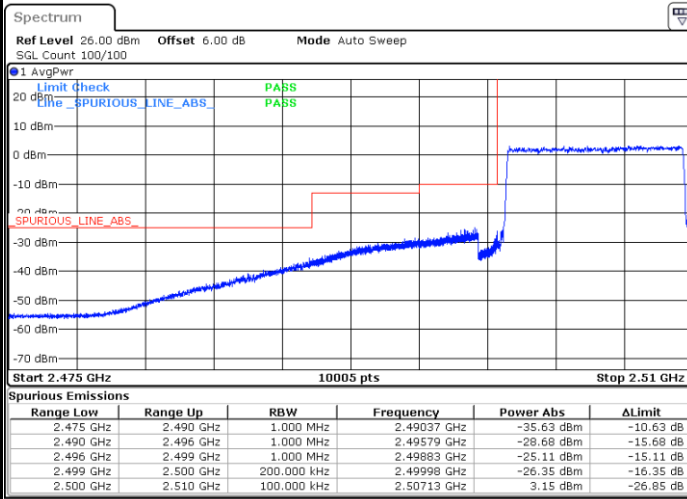
Date: 7. JAN 2023 01:34:24

Highest Band Edge / 1 RB



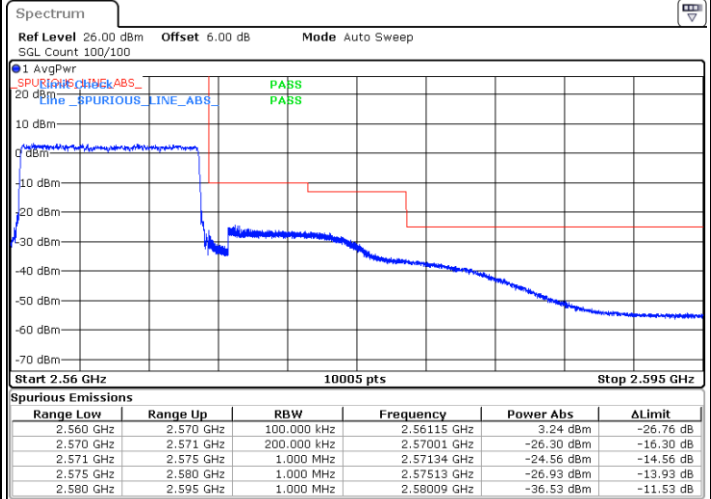
Date: 7. JAN 2023 01:50:37

Lowest Band Edge / Full RB



Date: 7. JAN 2023 01:39:36

Highest Band Edge / Full RB

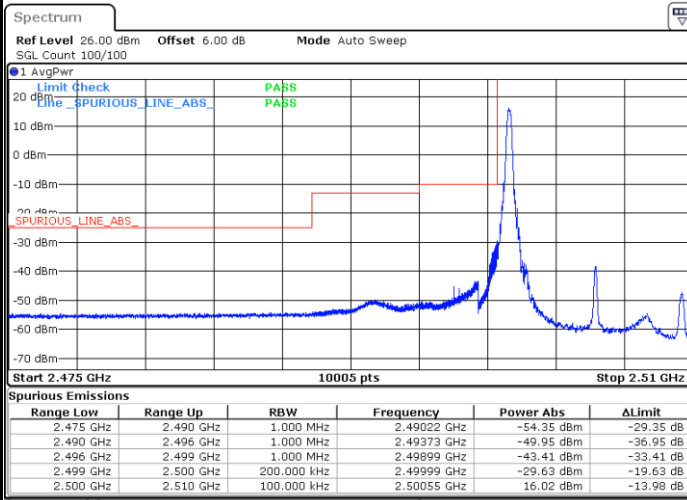


Date: 7. JAN 2023 01:55:42



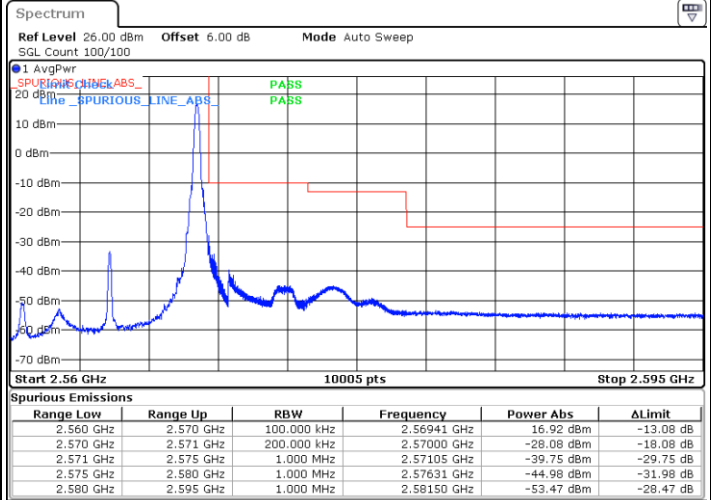
LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



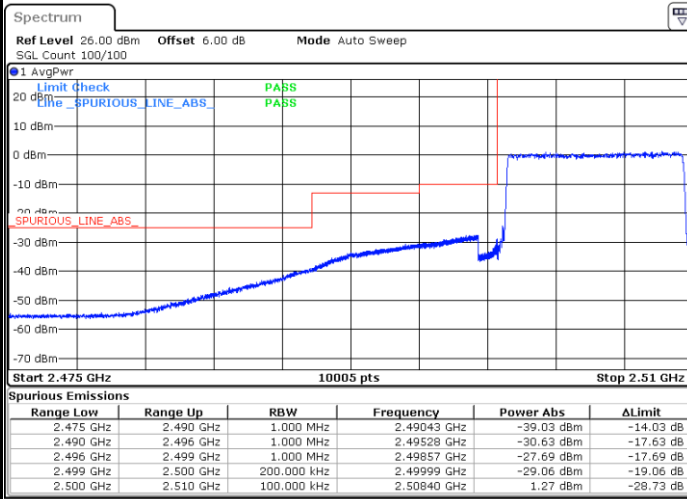
Date: 7. JAN 2023 01:34:24

Highest Band Edge / 1 RB



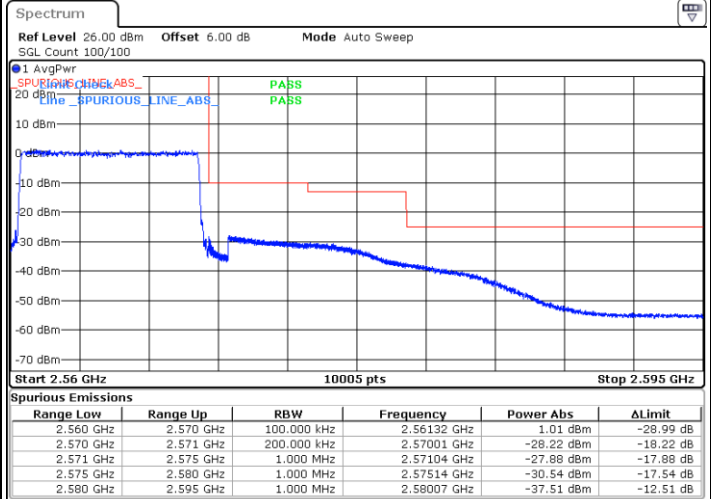
Date: 7. JAN 2023 01:52:18

Lowest Band Edge / Full RB



Date: 7. JAN 2023 01:37:53

Highest Band Edge / Full RB

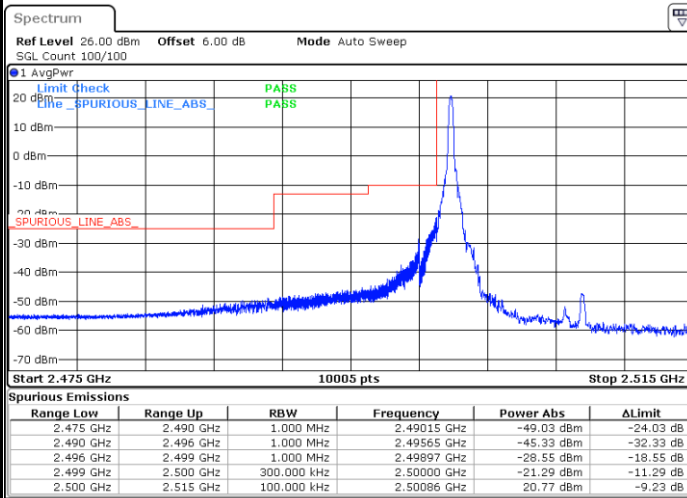


Date: 7. JAN 2023 01:54:01



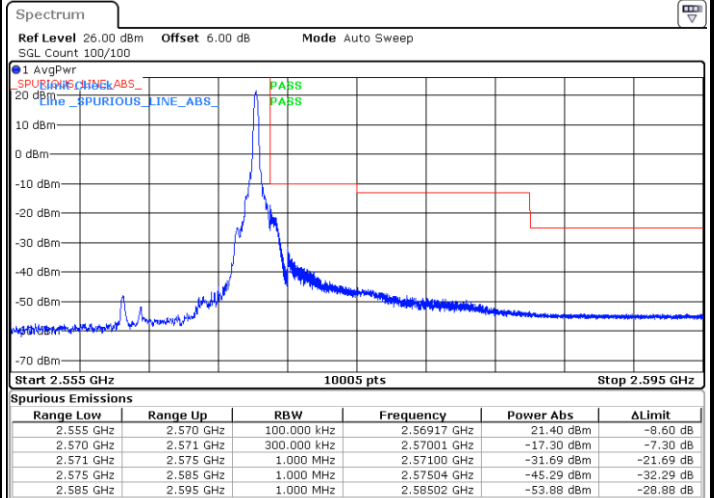
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



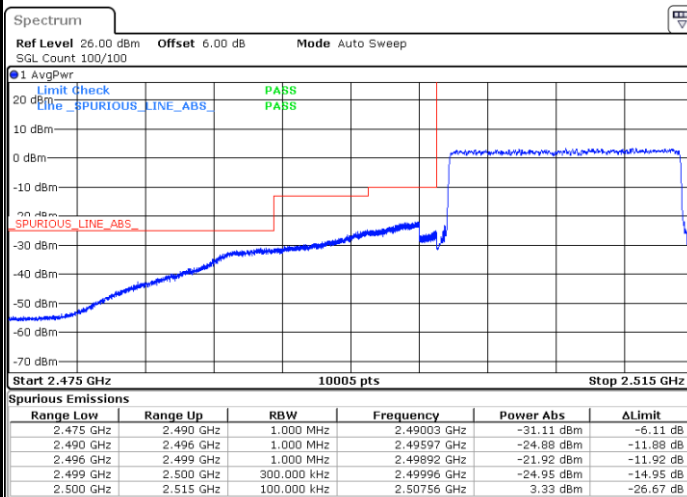
Date: 7 JAN 2023 02:02:04

Highest Band Edge / 1 RB



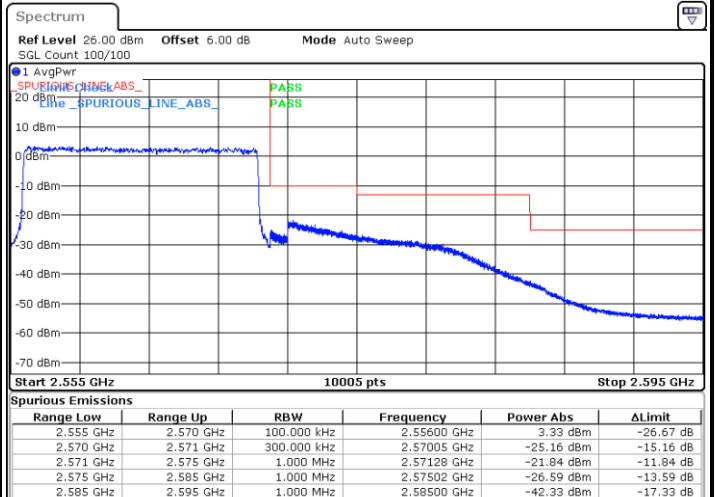
Date: 7 JAN 2023 02:21:11

Lowest Band Edge / Full RB



Date: 7 JAN 2023 02:16:50

Highest Band Edge / Full RB

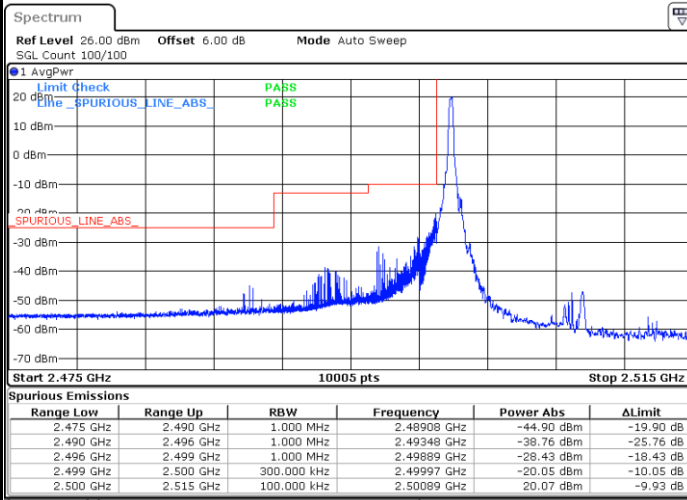


Date: 7 JAN 2023 02:34:28



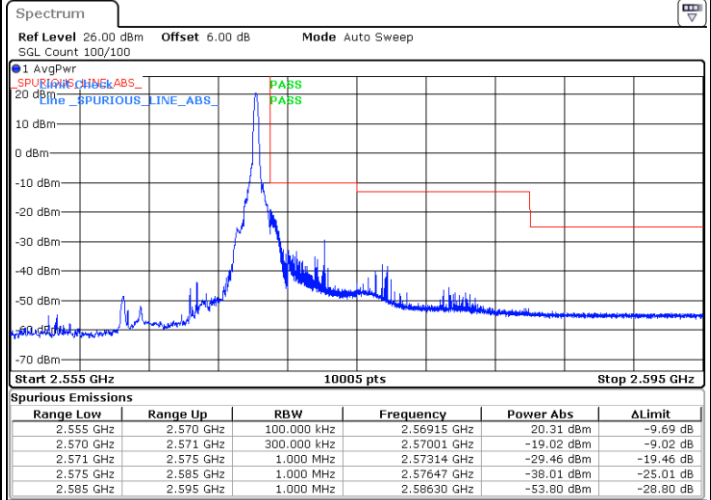
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



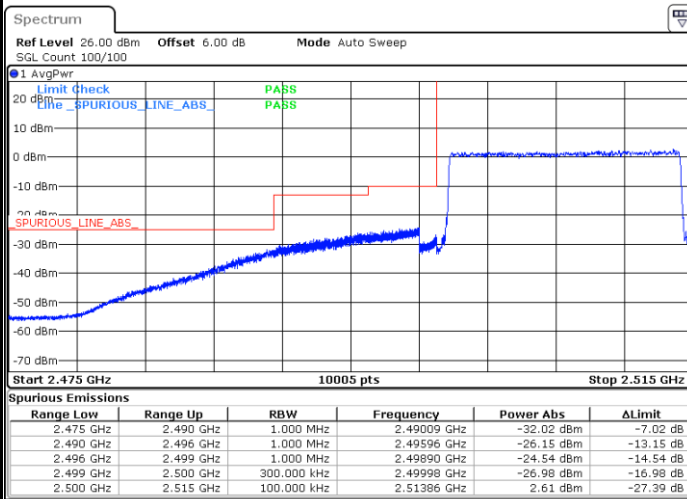
Date: 7. JAN 2023 02:03:45

Highest Band Edge / 1 RB



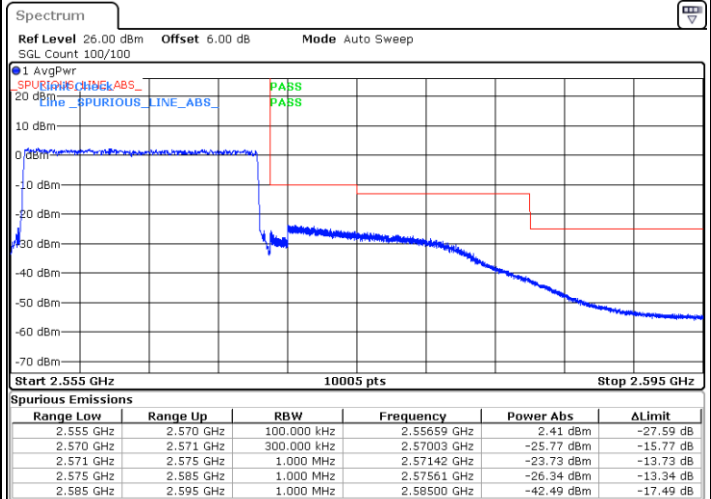
Date: 7. JAN 2023 02:22:51

Lowest Band Edge / Full RB



Date: 7. JAN 2023 02:15:10

Highest Band Edge / Full RB

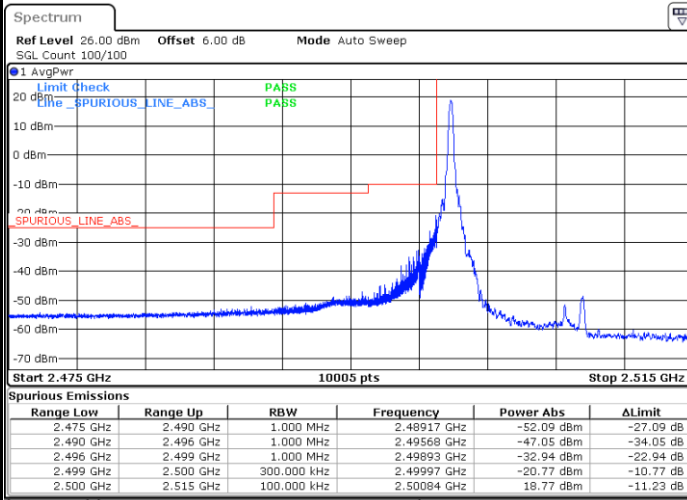


Date: 7. JAN 2023 02:32:48



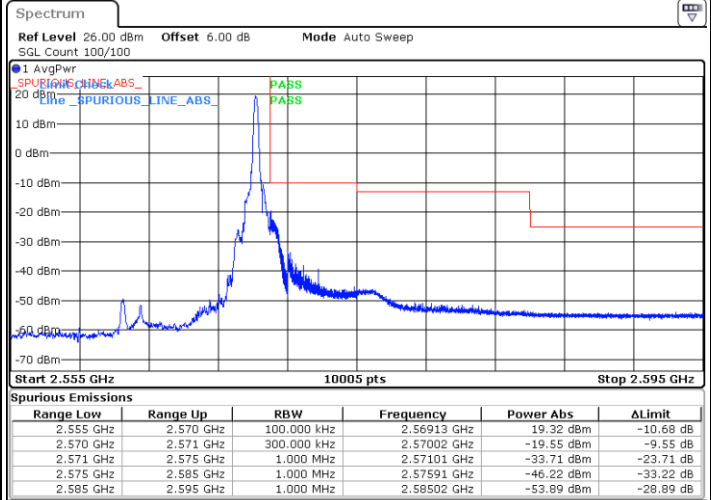
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



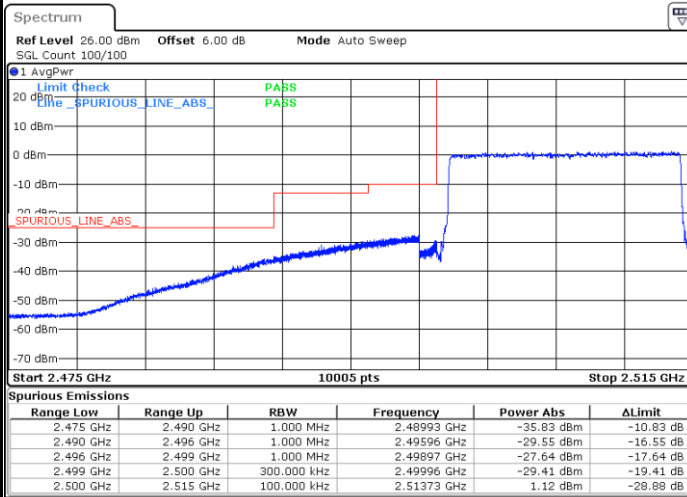
Date: 7. JAN 2023 02:05:26

Highest Band Edge / 1 RB



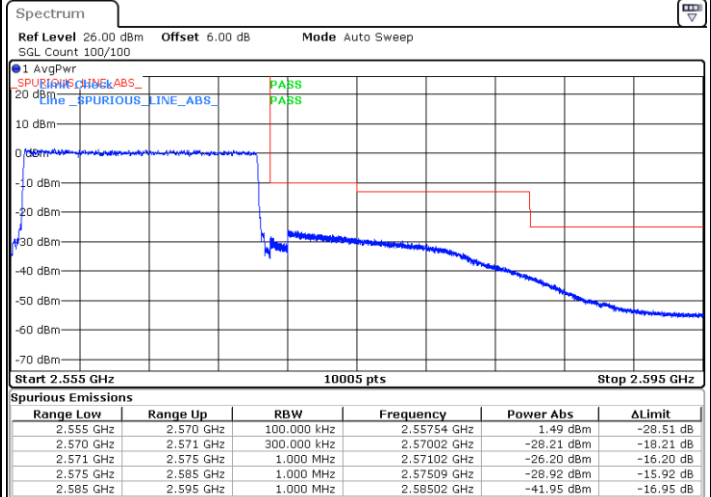
Date: 7. JAN 2023 02:24:31

Lowest Band Edge / Full RB



Date: 7. JAN 2023 02:13:29

Highest Band Edge / Full RB

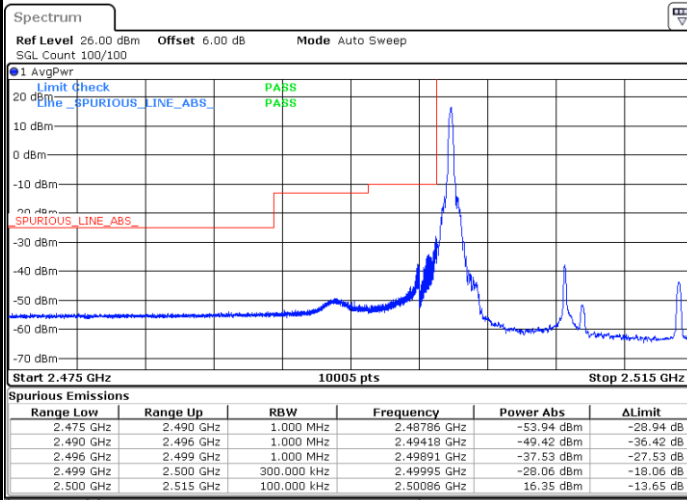


Date: 7. JAN 2023 02:31:07



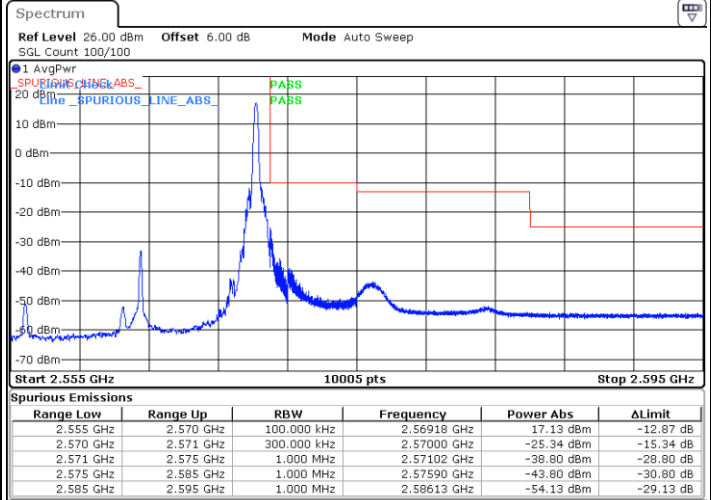
LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



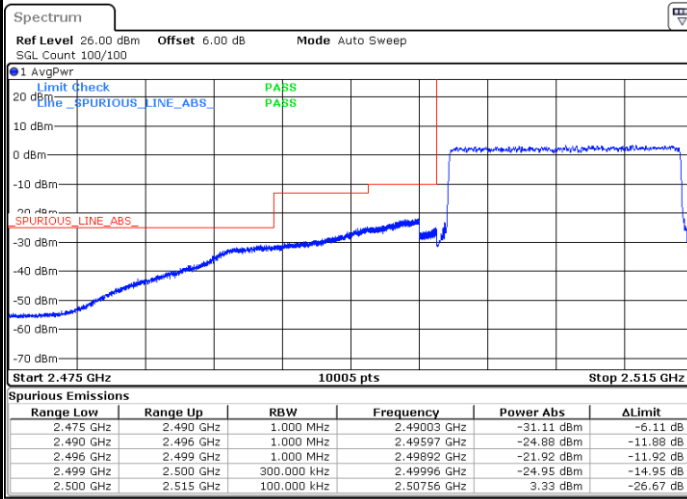
Date: 7. JAN 2023 02:07:07

Highest Band Edge / 1 RB



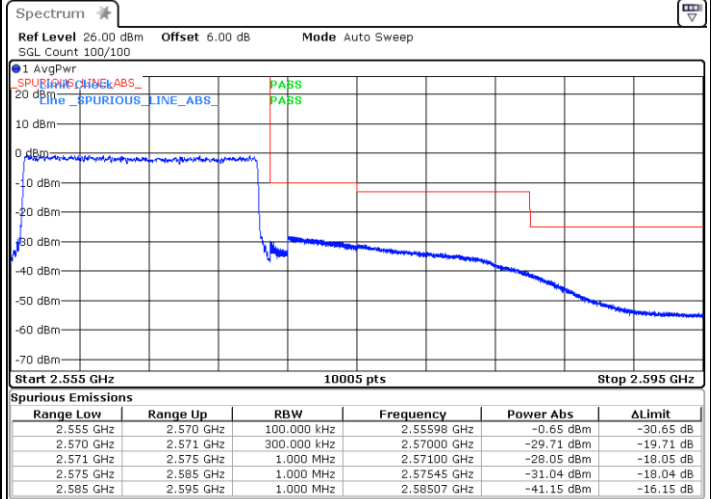
Date: 7. JAN 2023 02:26:12

Lowest Band Edge / Full RB



Date: 7. JAN 2023 02:16:50

Highest Band Edge / Full RB

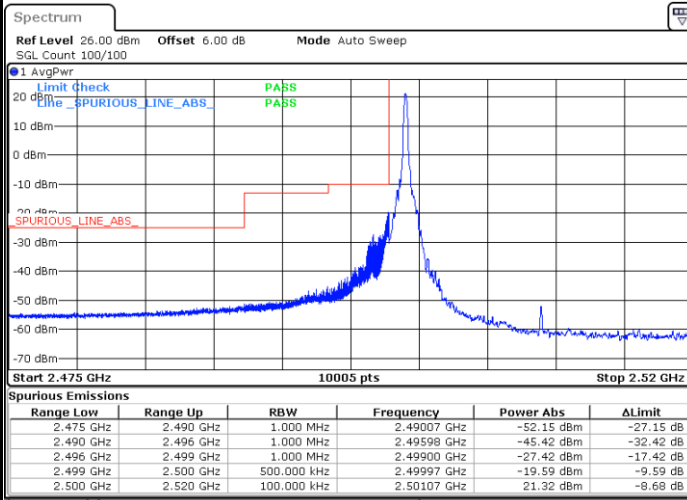


Date: 7. JAN 2023 02:29:27



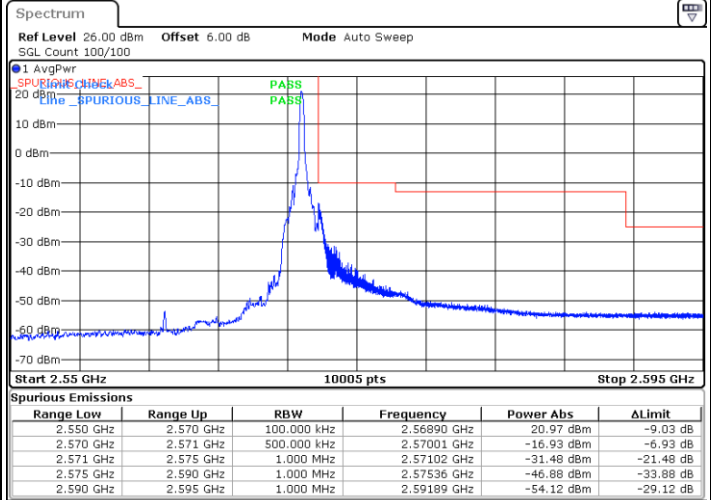
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



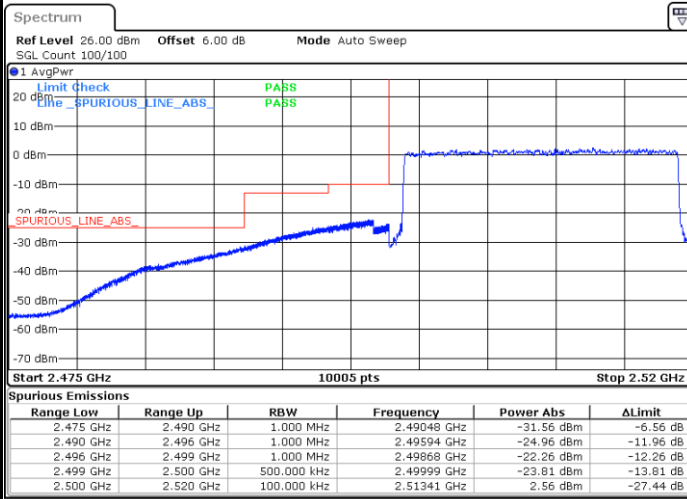
Date: 7. JAN 2023 02:37:29

Highest Band Edge / 1 RB



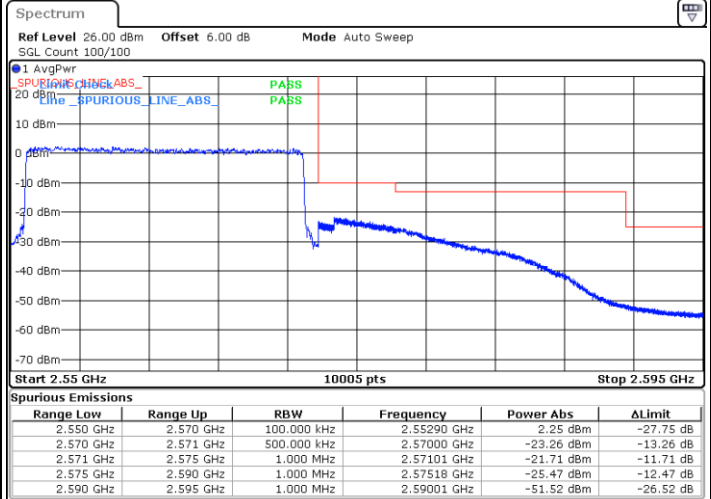
Date: 7. JAN 2023 02:53:34

Lowest Band Edge / Full RB



Date: 7. JAN 2023 02:49:14

Highest Band Edge / Full RB

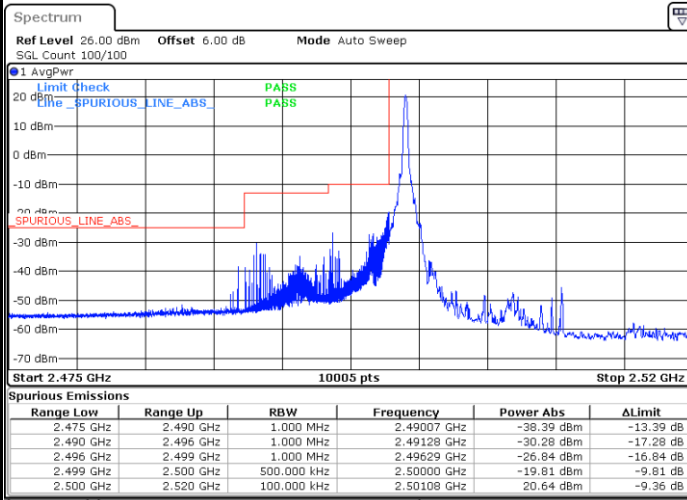


Date: 7. JAN 2023 03:01:57



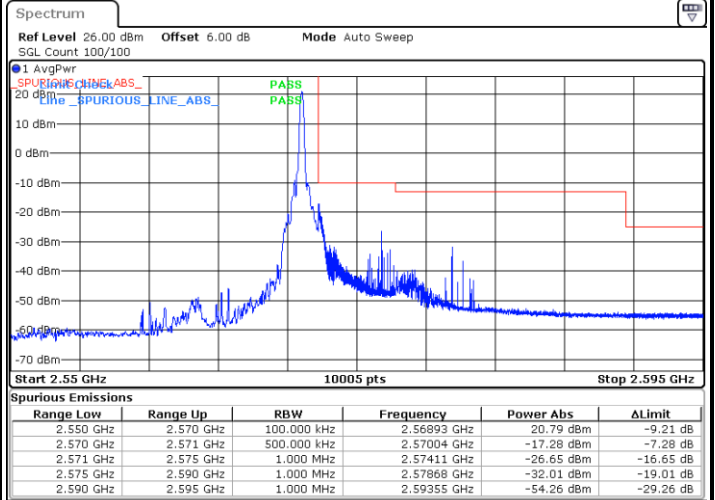
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



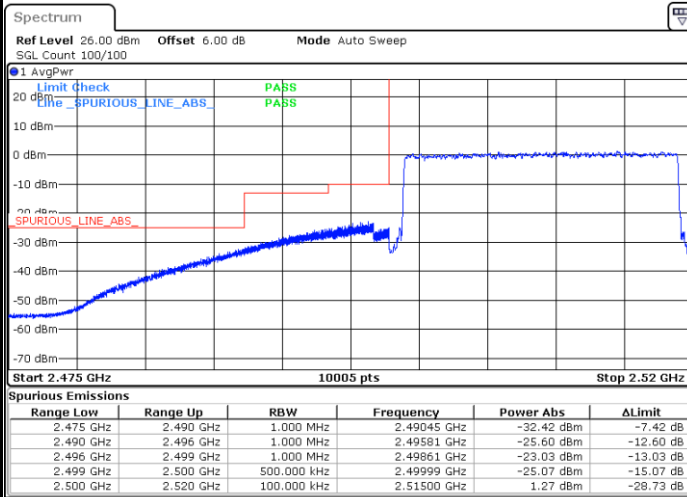
Date: 7. JAN 2023 02:39:09

Highest Band Edge / 1 RB



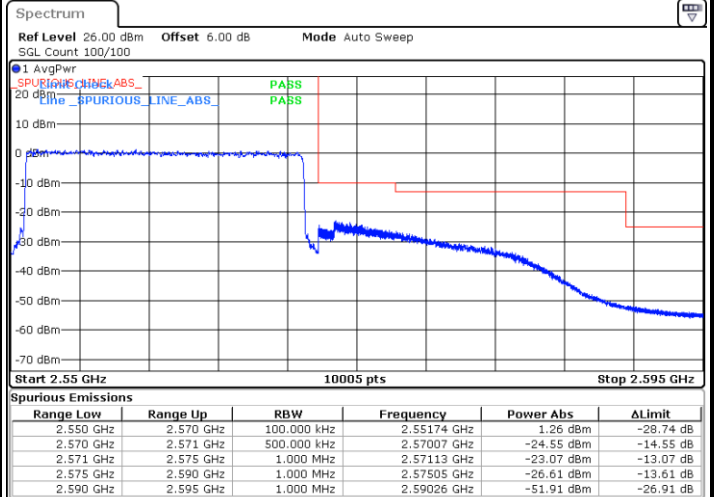
Date: 7. JAN 2023 02:55:14

Lowest Band Edge / Full RB



Date: 7. JAN 2023 02:47:33

Highest Band Edge / Full RB

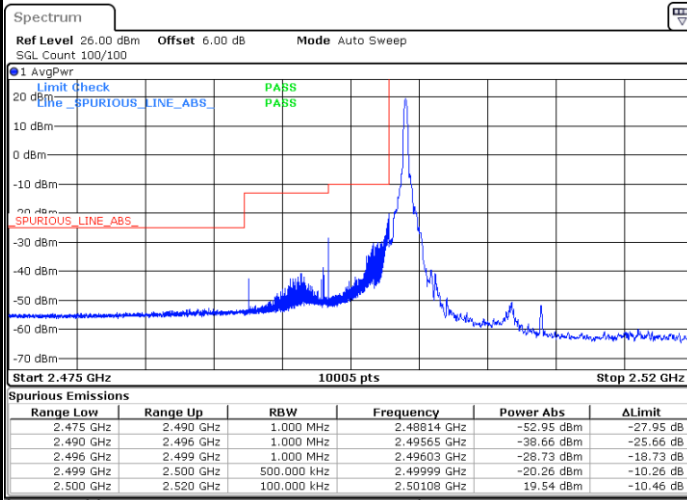


Date: 7. JAN 2023 03:00:16



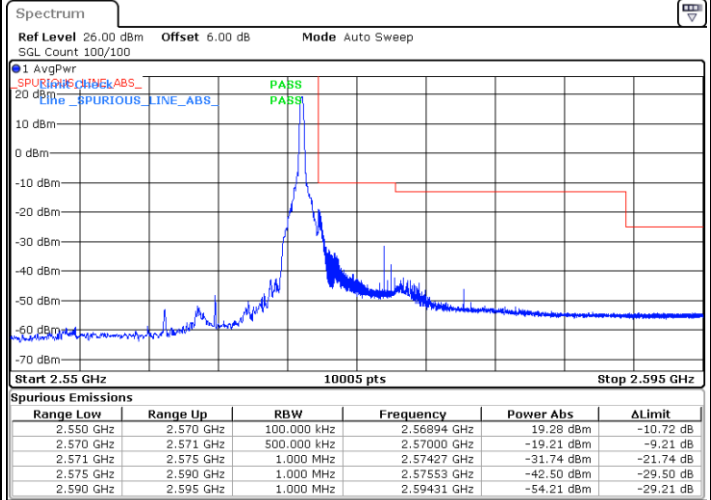
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



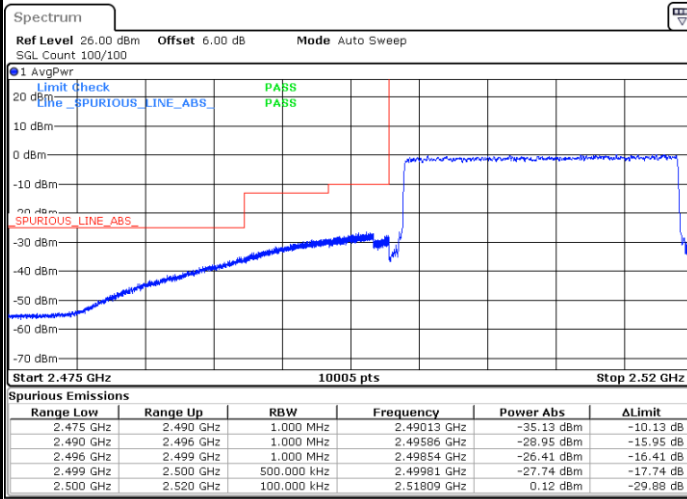
Date: 7. JAN 2023 02:40:50

Highest Band Edge / 1 RB



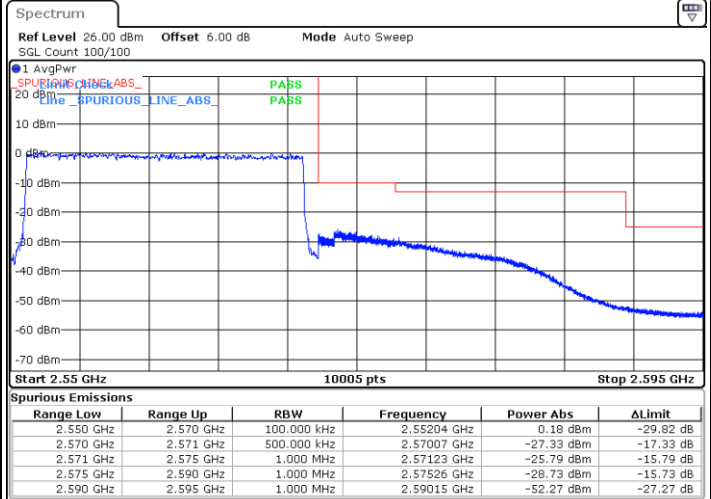
Date: 7. JAN 2023 02:56:55

Lowest Band Edge / Full RB



Date: 7. JAN 2023 02:45:52

Highest Band Edge / Full RB

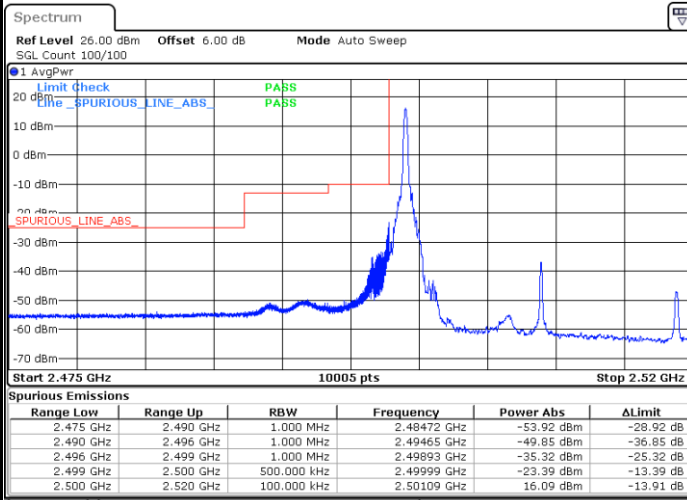


Date: 7. JAN 2023 02:58:35



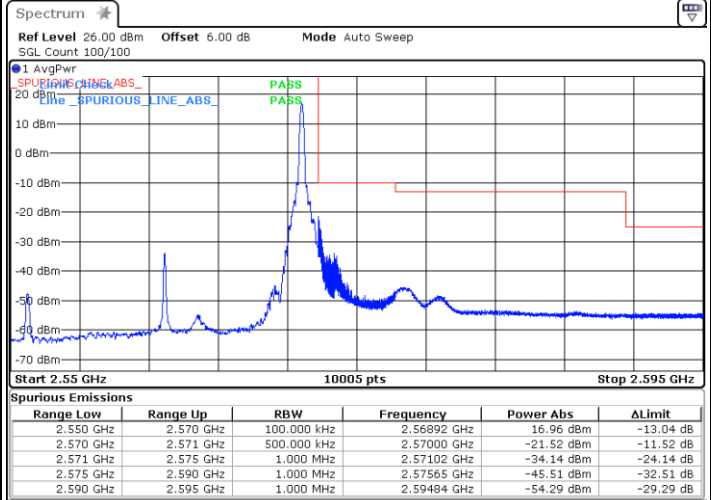
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



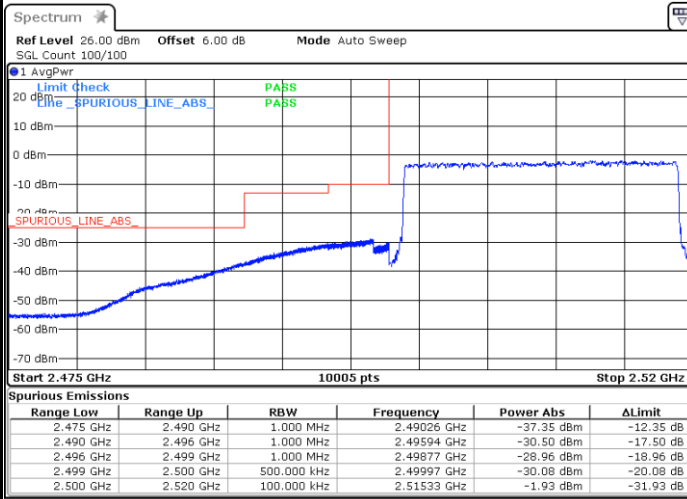
Date: 7. JAN 2023 02:42:31

Highest Band Edge / 1 RB



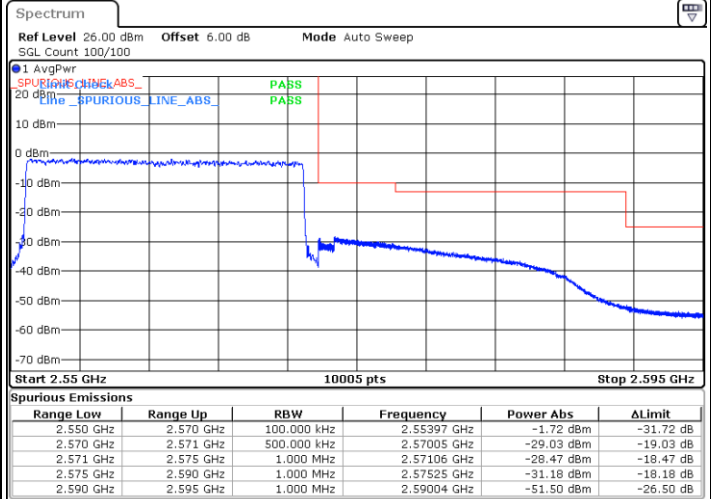
Date: 7. JAN 2023 03:11:58

Lowest Band Edge / Full RB



Date: 7. JAN 2023 02:44:12

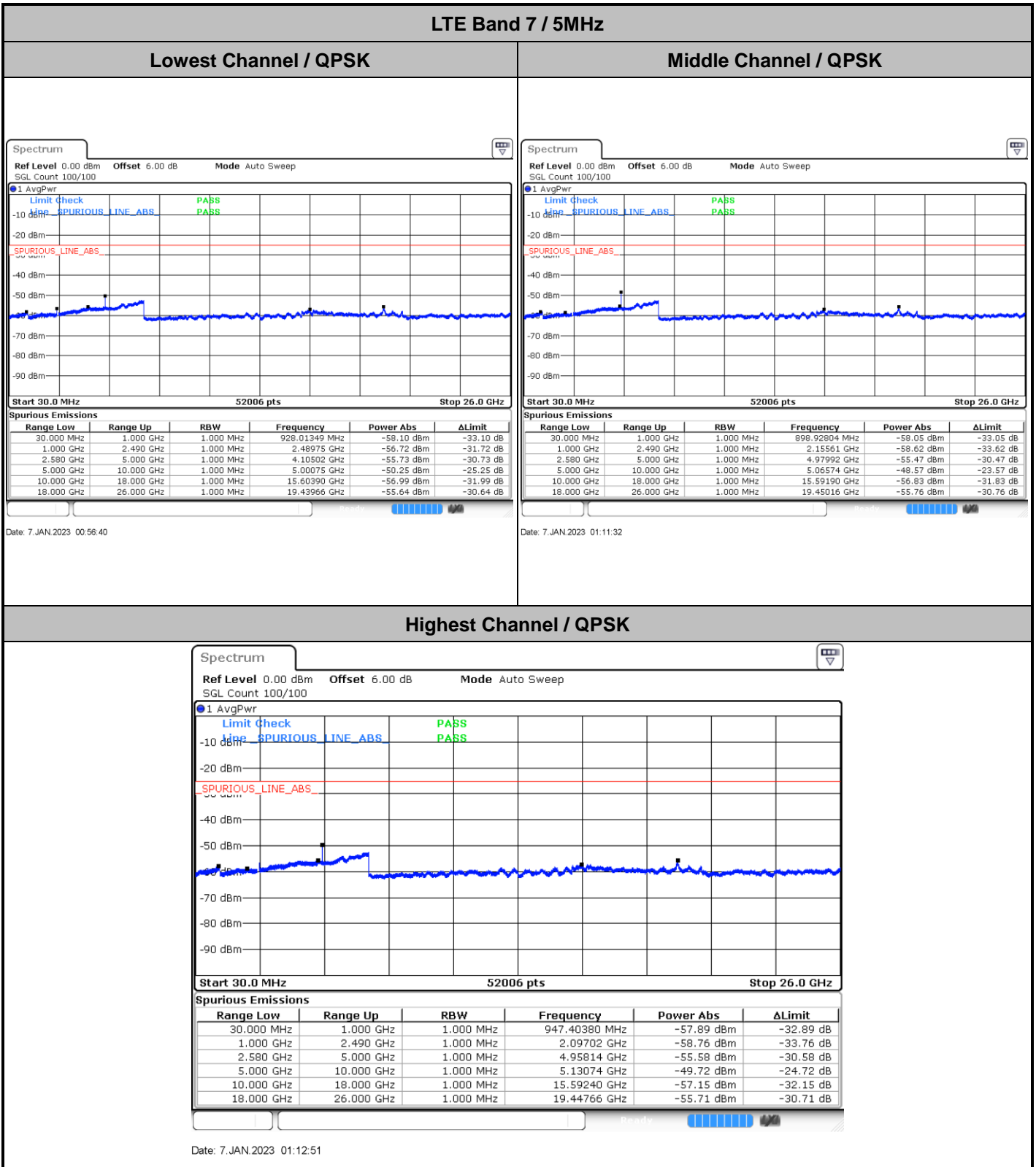
Highest Band Edge / Full RB



Date: 7. JAN 2023 03:10:57



Conducted Spurious Emission

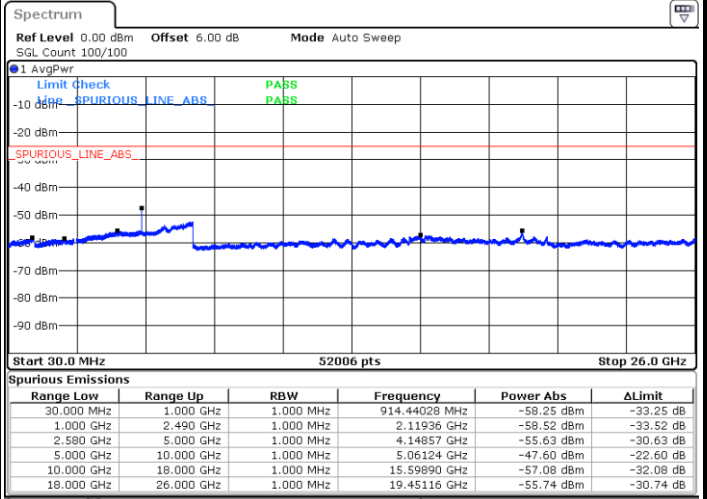
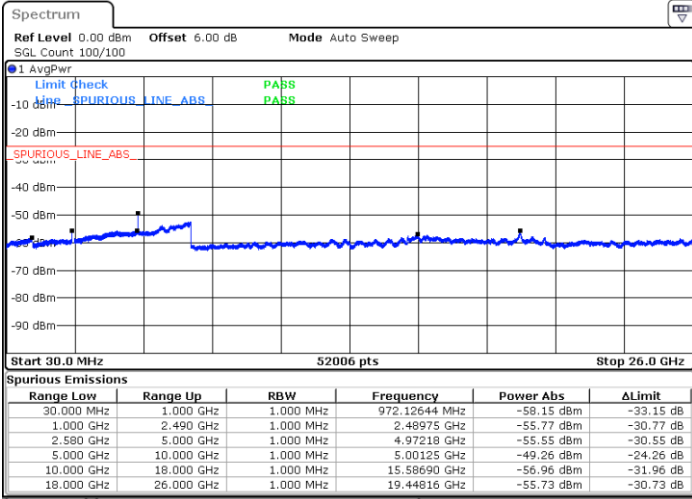




LTE Band 7 / 10MHz

Lowest Channel / QPSK

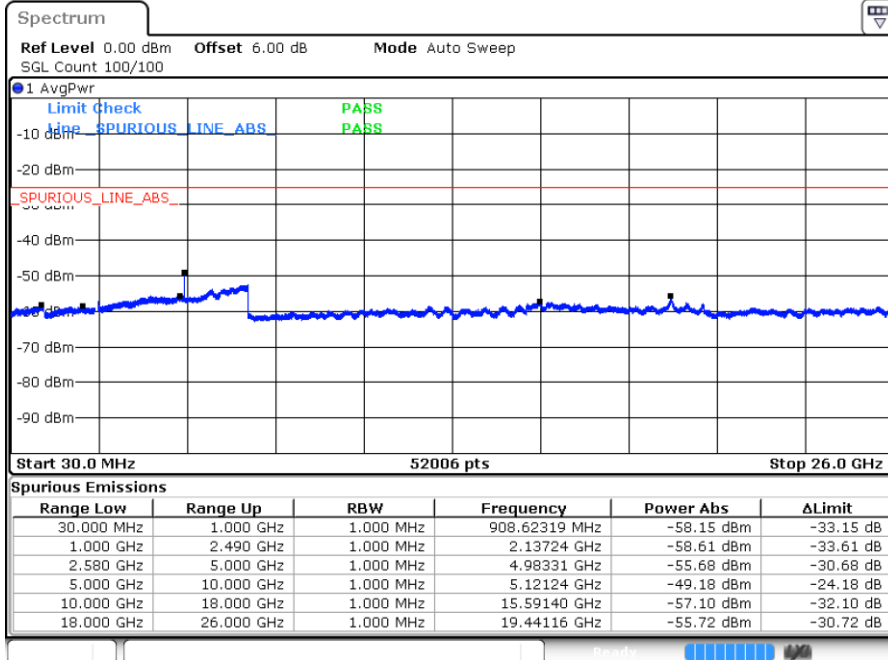
Middle Channel / QPSK



Date: 7.JAN.2023 01:27:42

Date: 7.JAN.2023 01:44:16

Highest Channel / QPSK

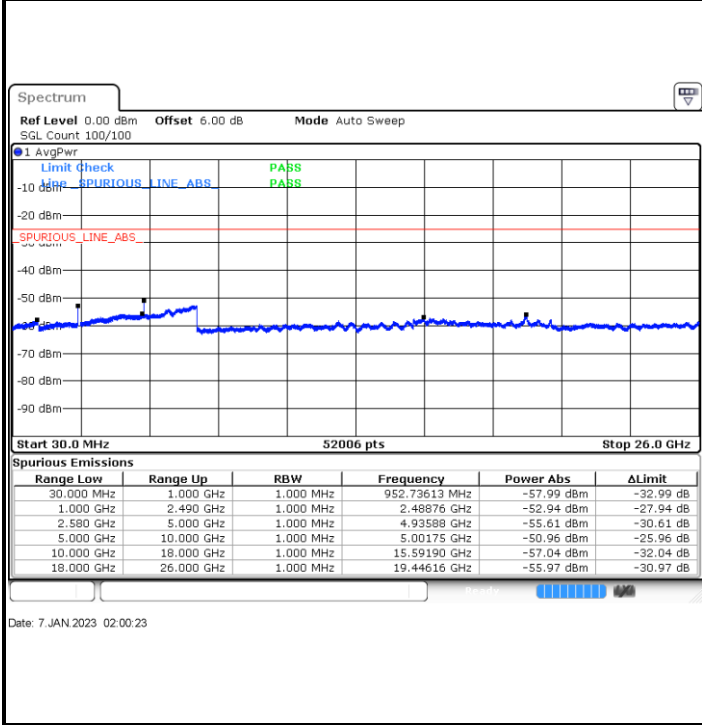


Date: 7.JAN.2023 01:45:36

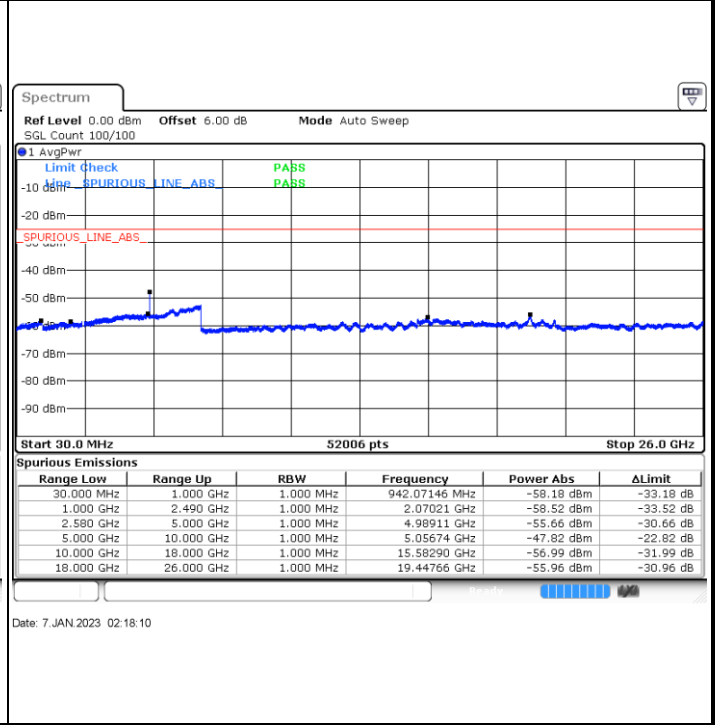


LTE Band 7 / 15MHz

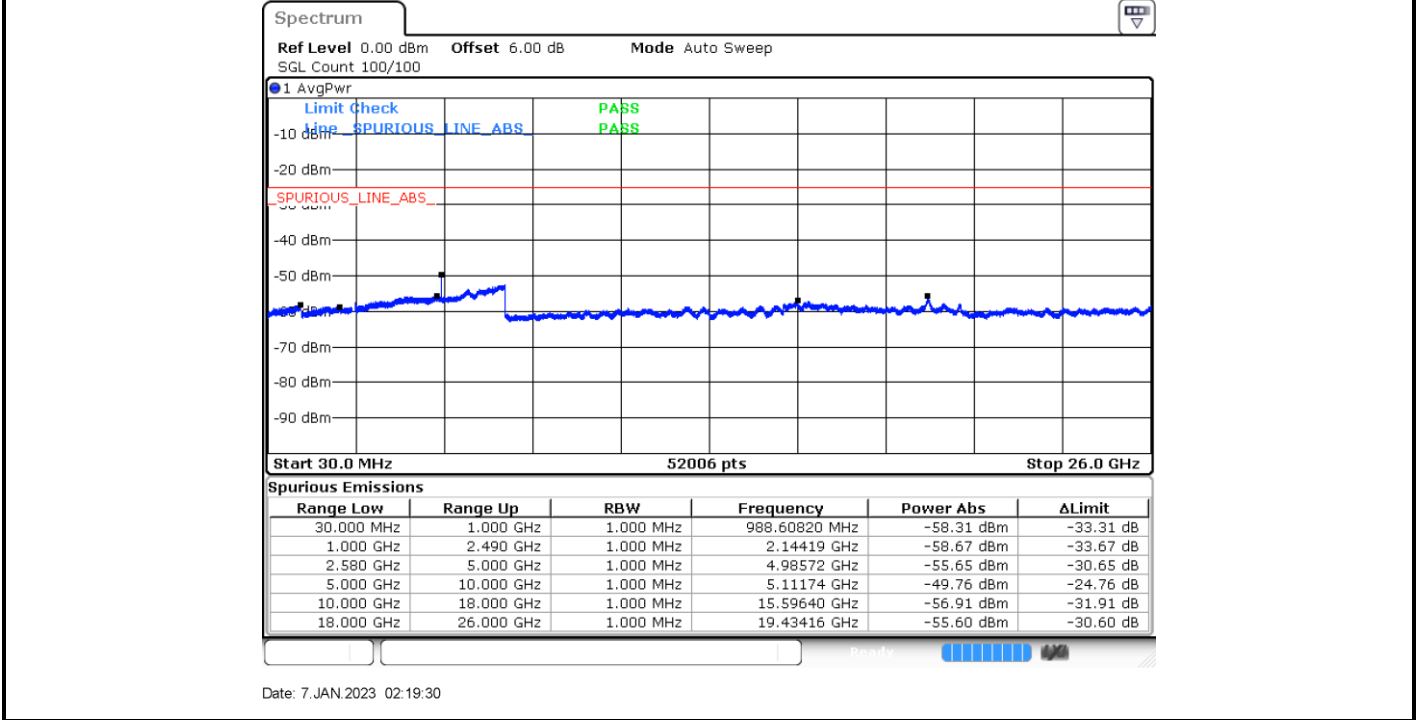
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

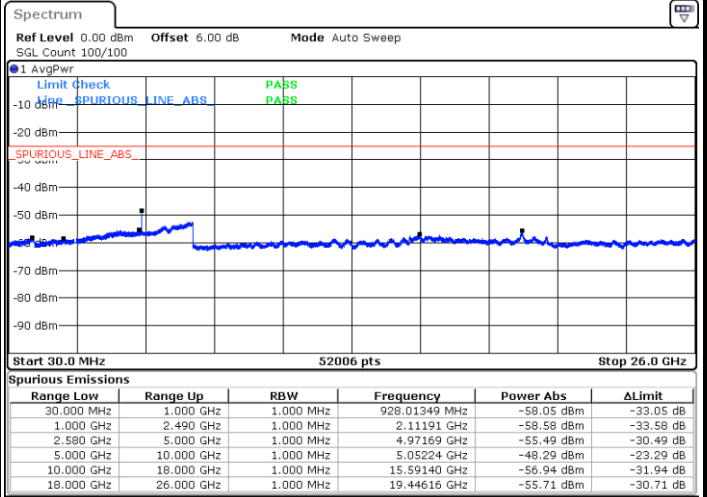
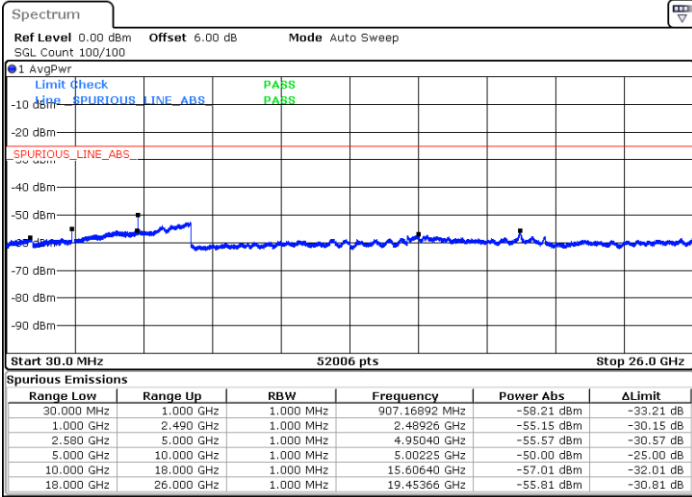




LTE Band 7 / 20MHz

Lowest Channel / QPSK

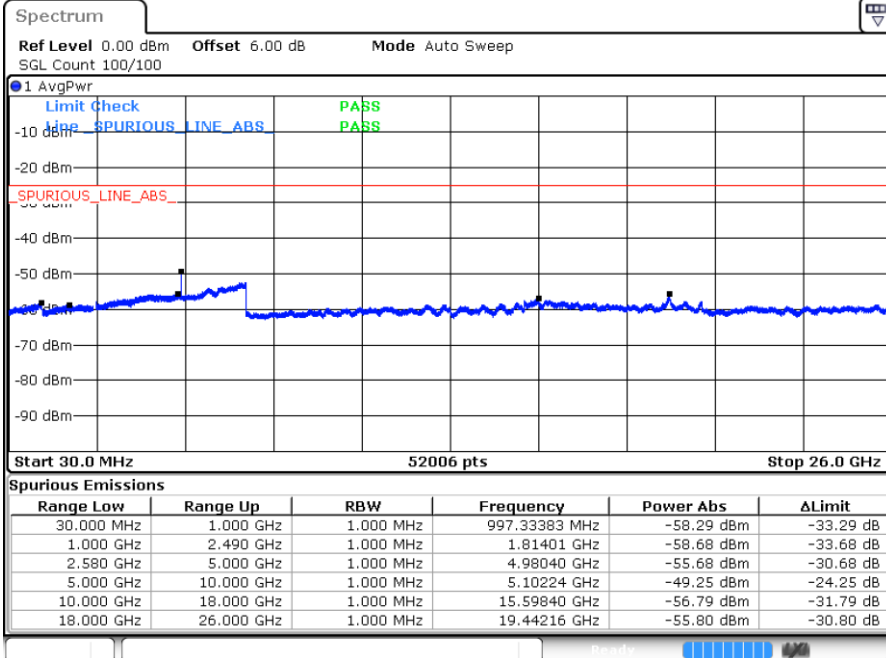
Middle Channel / QPSK



Date: 7.JAN.2023 02:35:48

Date: 7.JAN.2023 02:50:33

Highest Channel / QPSK



Date: 7.JAN.2023 02:51:53



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	0.0009	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.87 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 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	40.12	40.04

