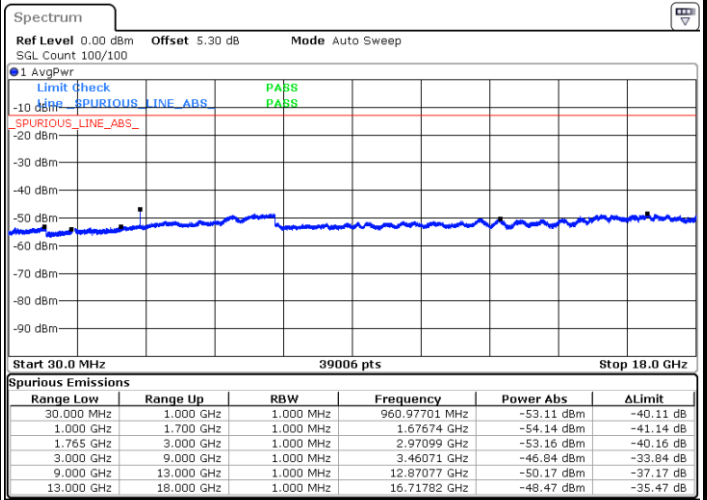
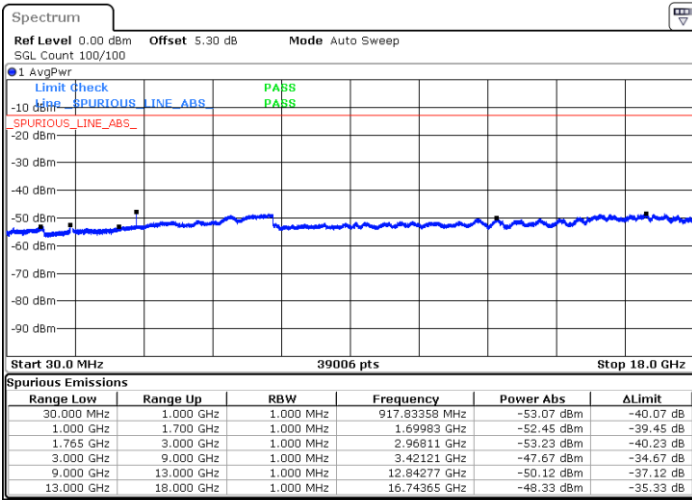




LTE Band 4 / 5MHz

Lowest Channel / QPSK

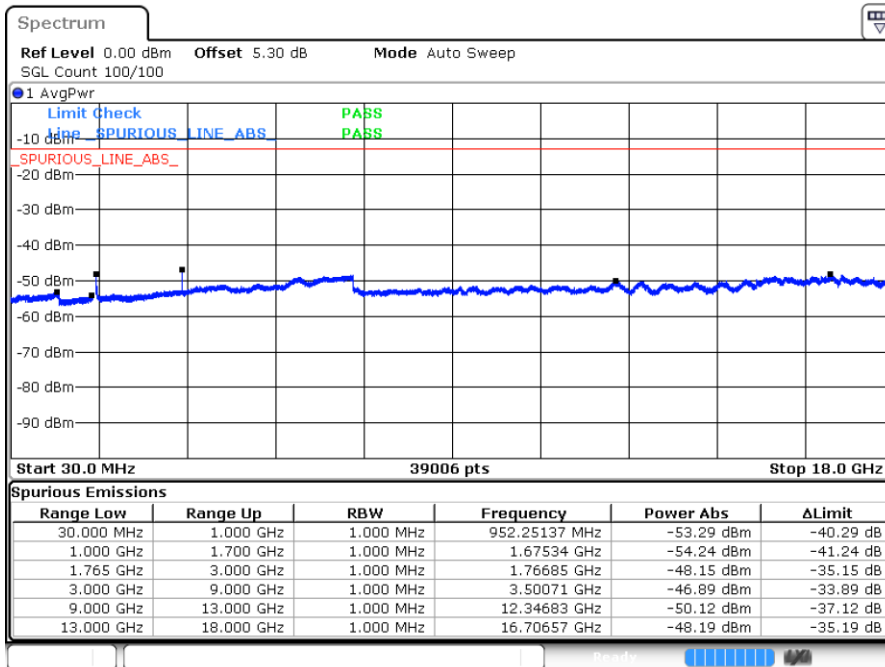
Middle Channel / QPSK



Date: 10.MAR.2022 13:54:01

Date: 10.MAR.2022 14:05:21

Highest Channel / QPSK

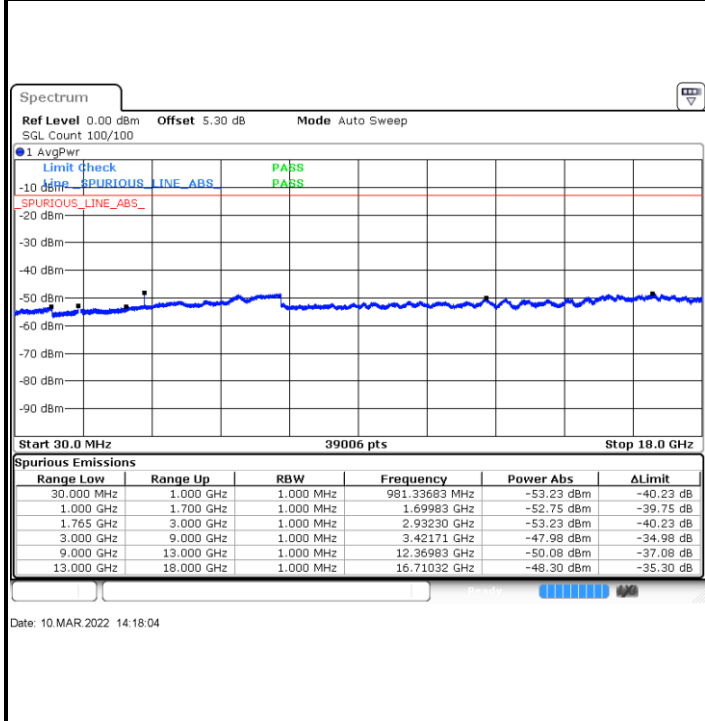


Date: 10.MAR.2022 14:06:41

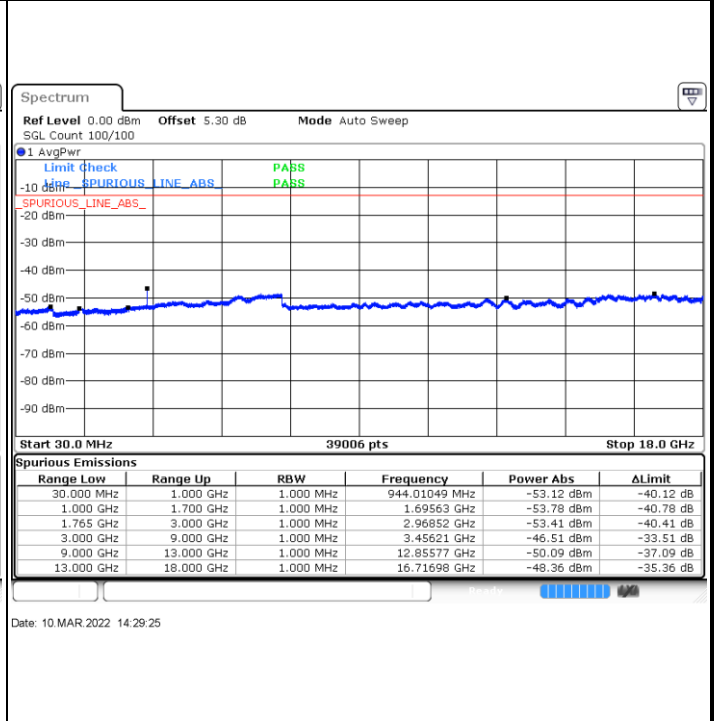


LTE Band 4 / 10MHz

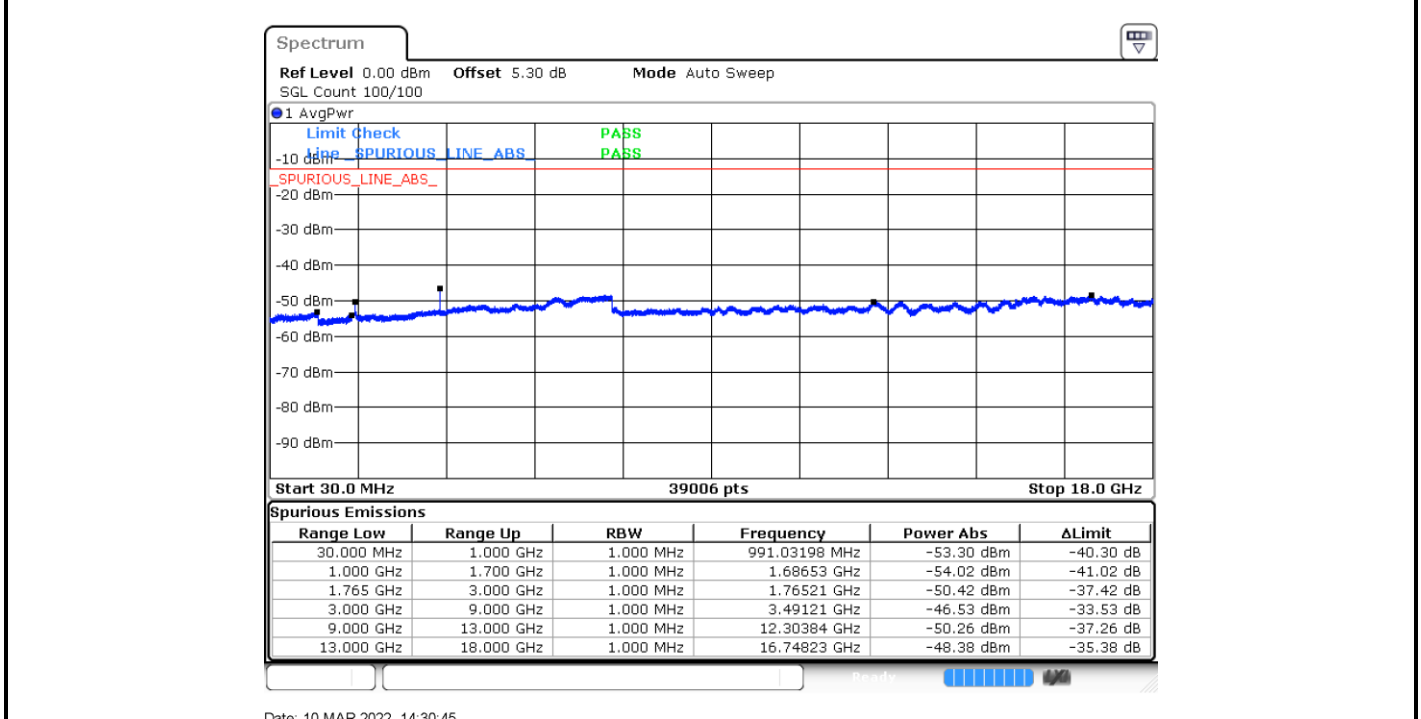
Lowest Channel / QPSK



Middle Channel / QPSK



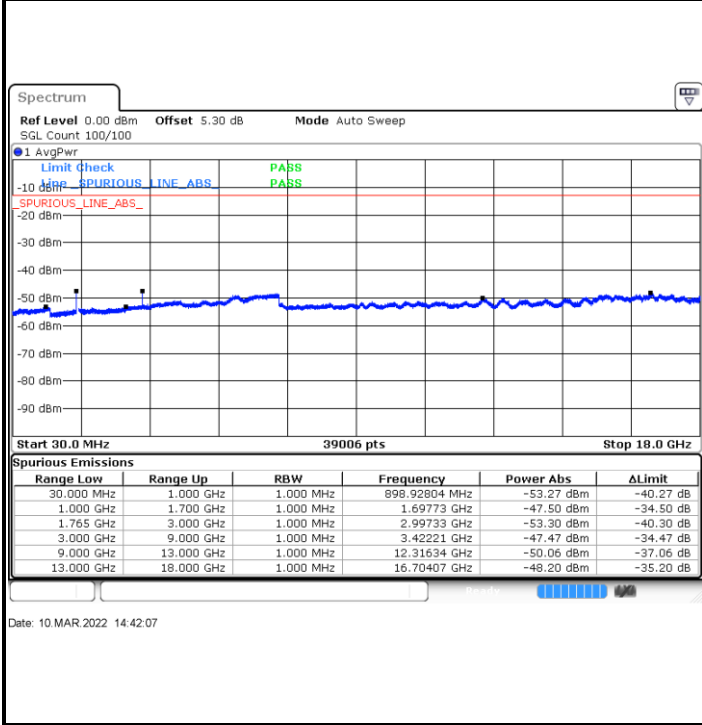
Highest Channel / QPSK



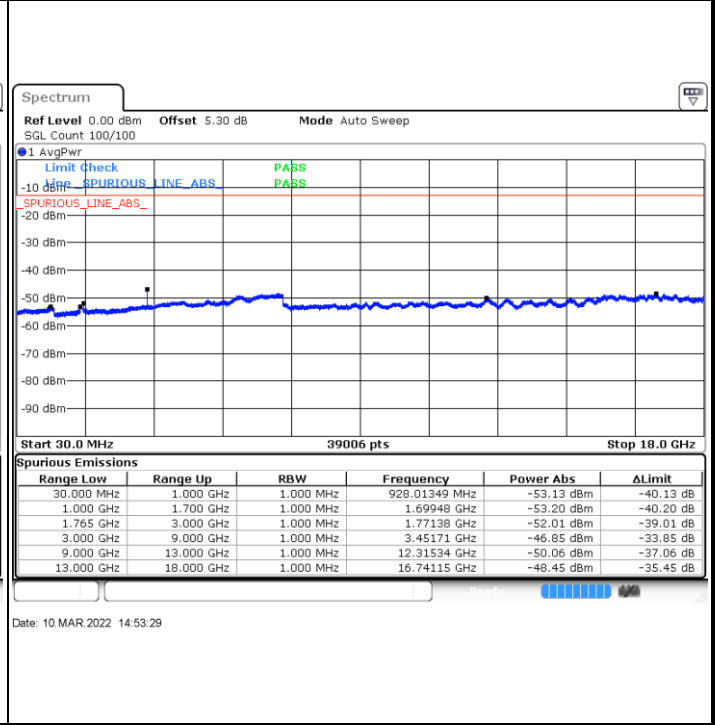


LTE Band 4 / 15MHz

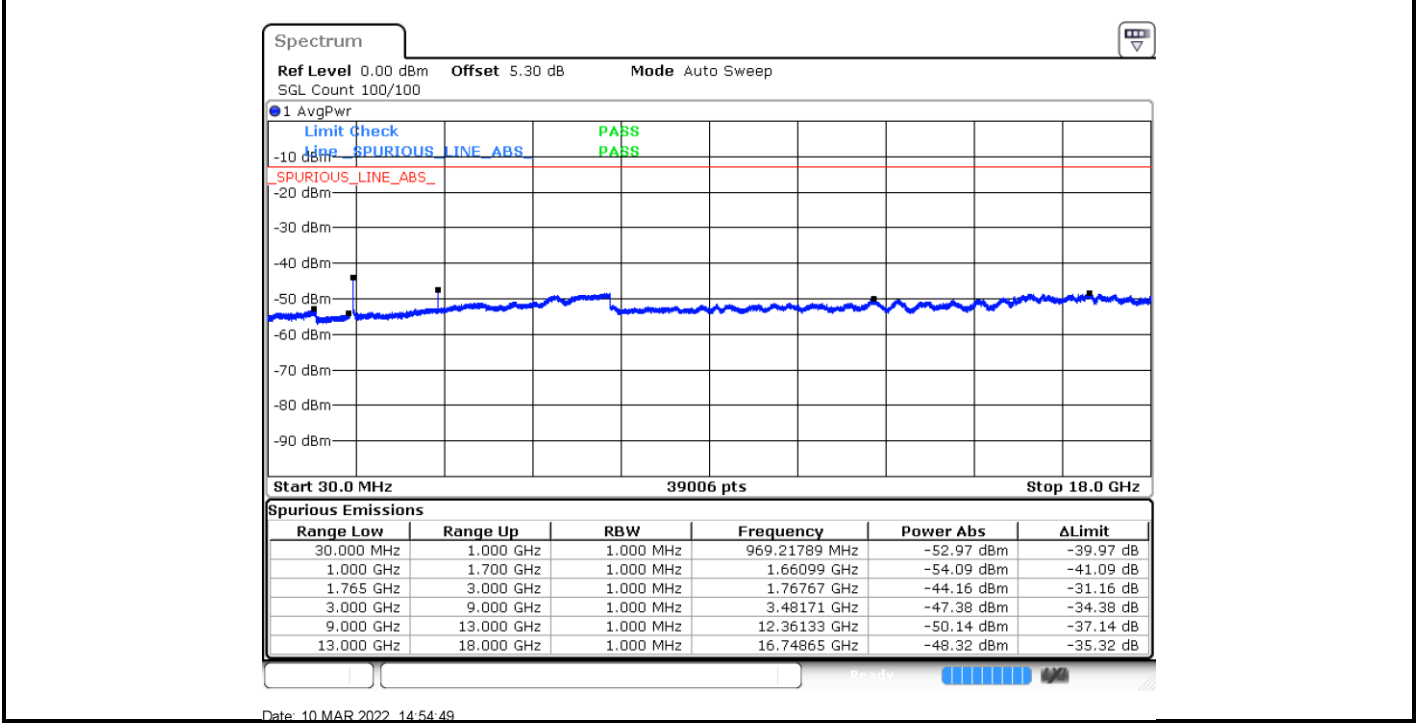
Lowest Channel / QPSK



Middle Channel / QPSK



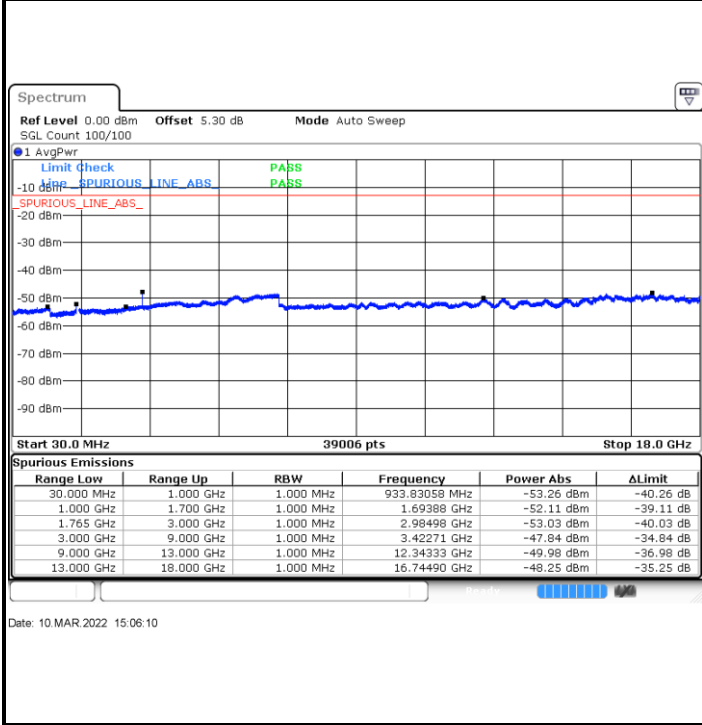
Highest Channel / QPSK



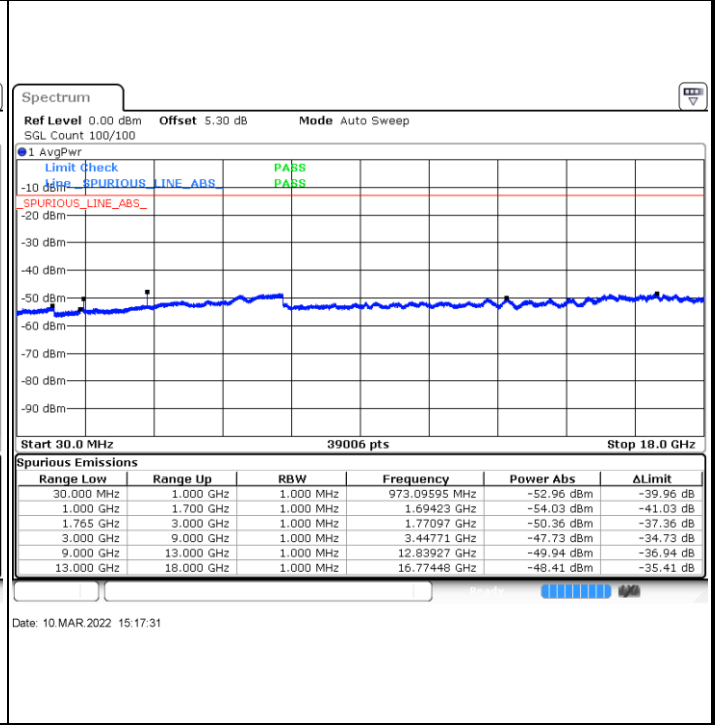


LTE Band 4 / 20MHz

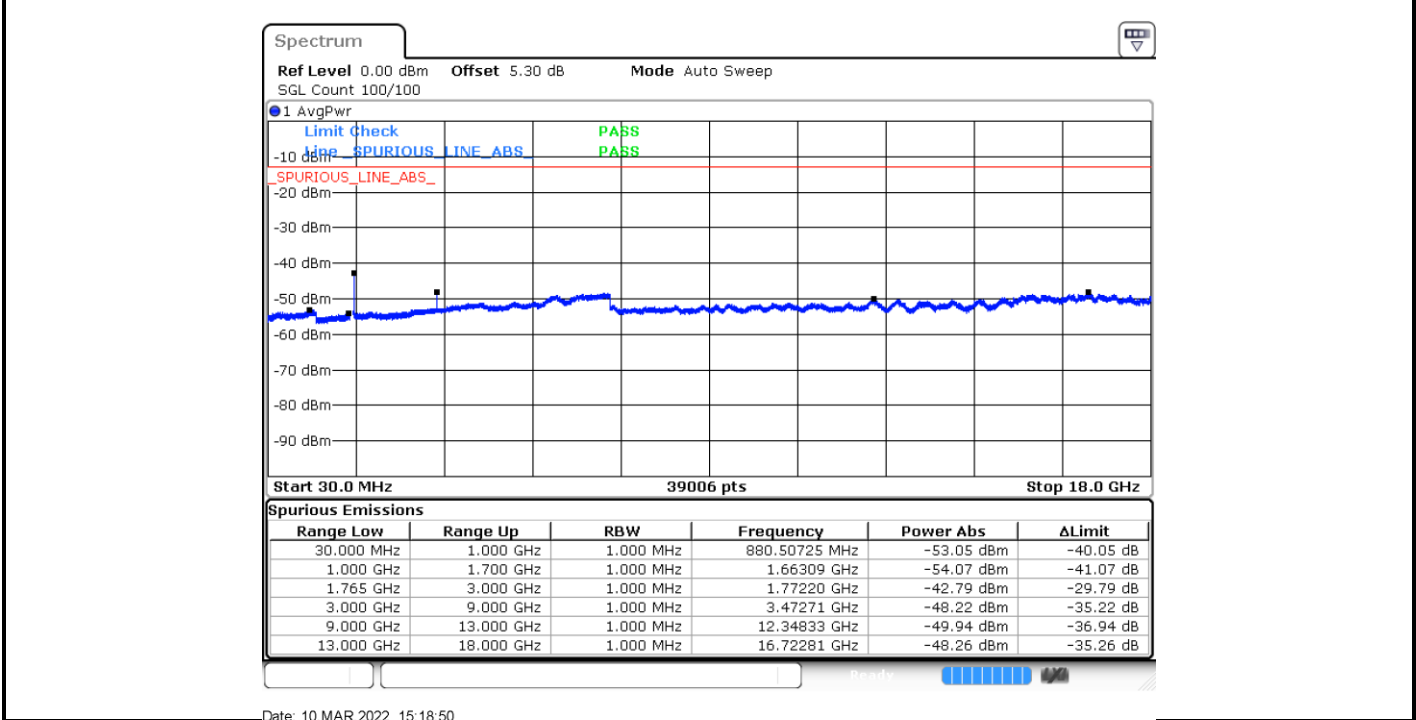
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0031	

Note:

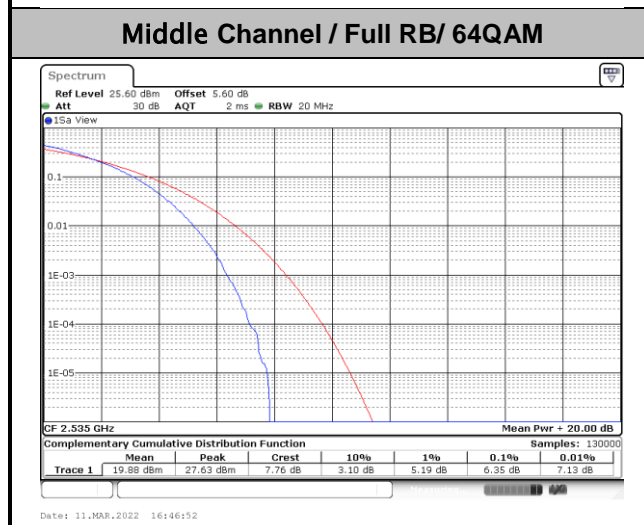
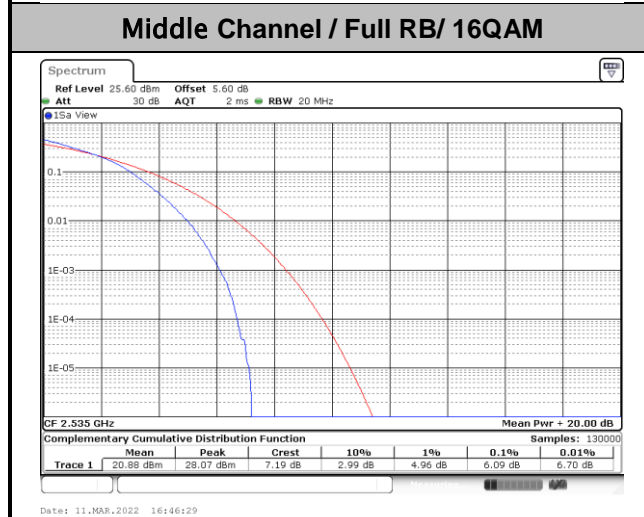
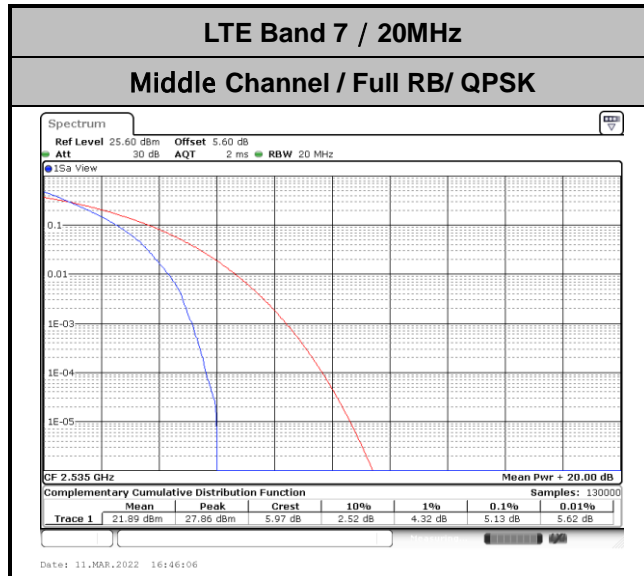
- 3. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
- 4. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

Peak-to-Average Ratio

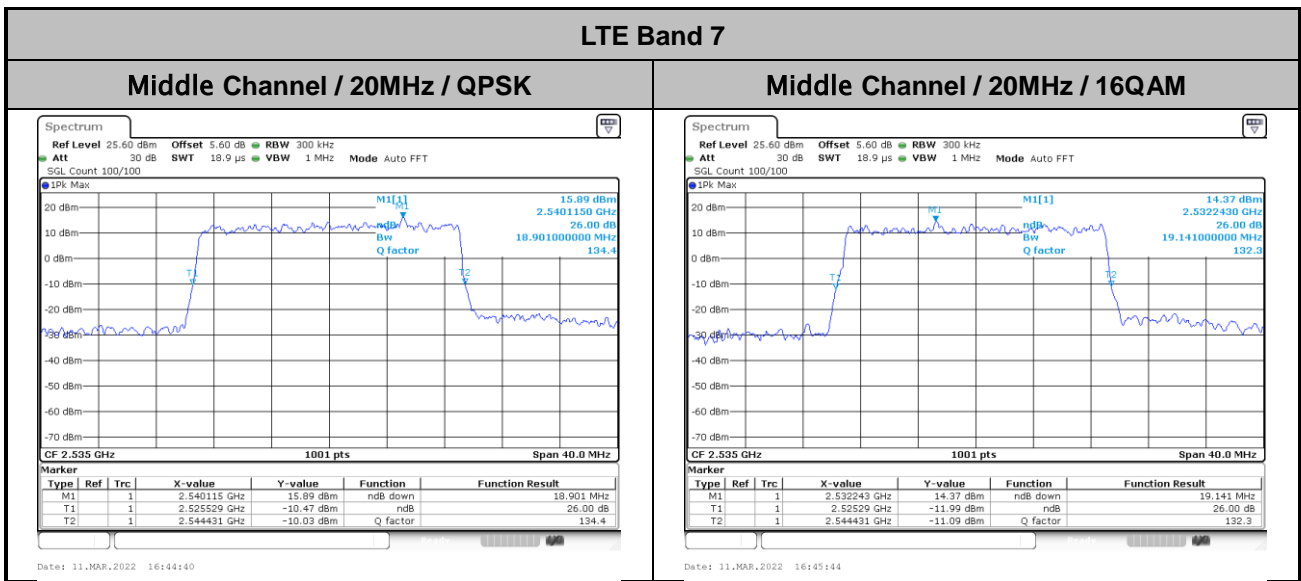
Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.13	6.09	6.35	PASS





26dB Bandwidth

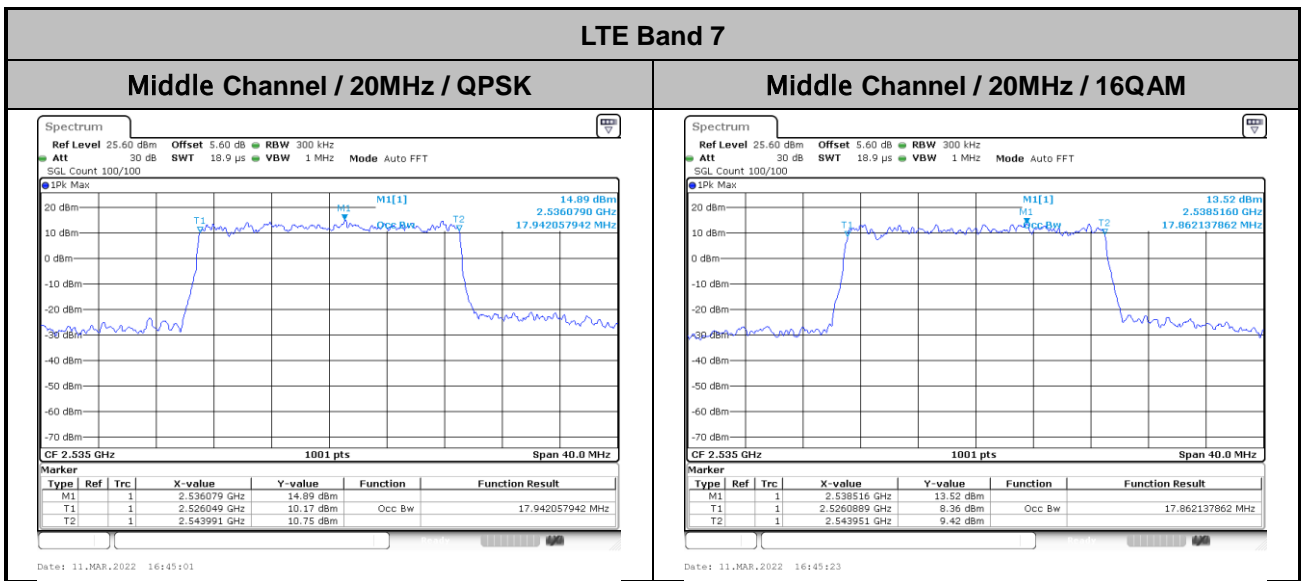
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.90	19.14





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.86

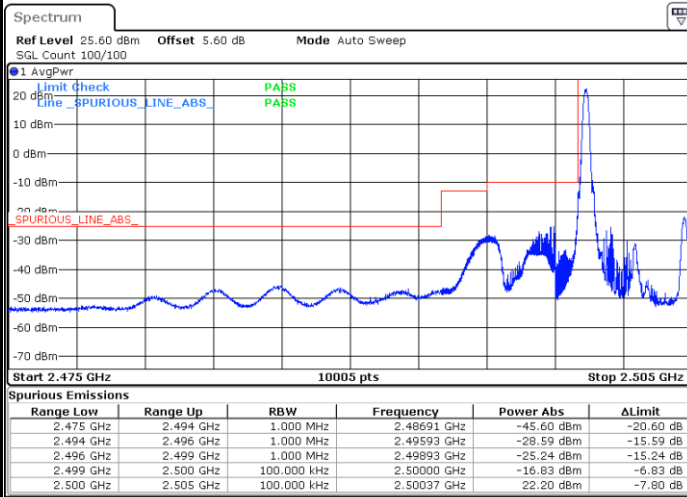




Conducted Band Edge

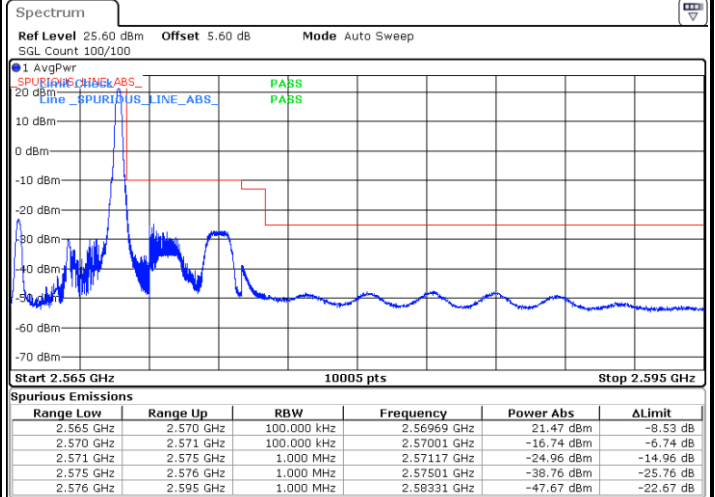
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



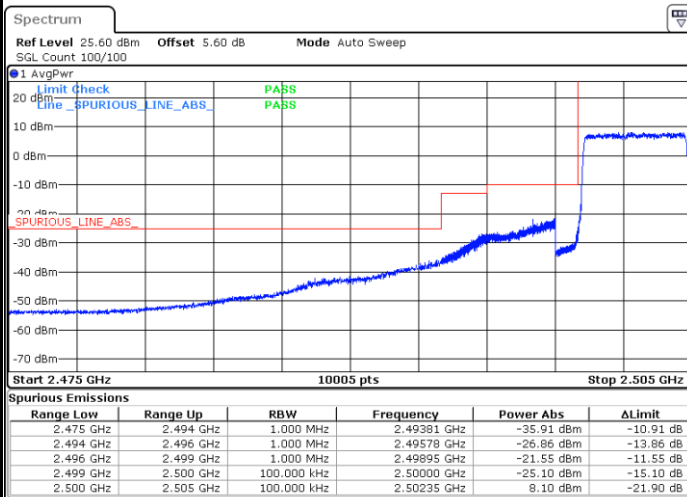
Date: 11.MAR.2022 15:03:05

Highest Band Edge / 1 RB



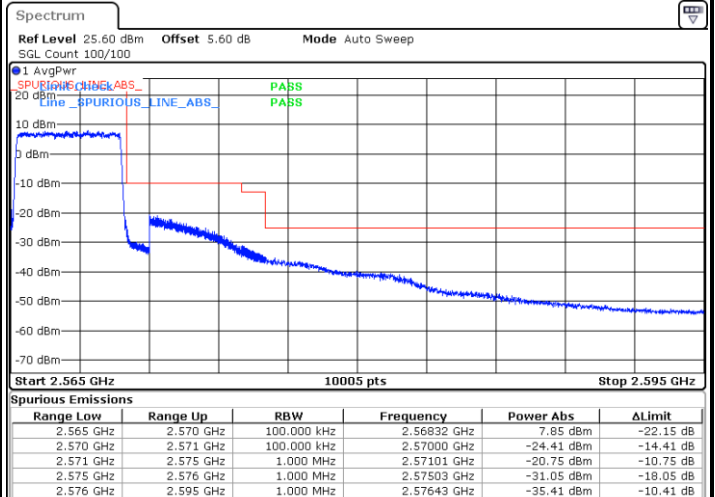
Date: 11.MAR.2022 15:15:58

Lowest Band Edge / Full RB



Date: 11.MAR.2022 15:11:35

Highest Band Edge / Full RB

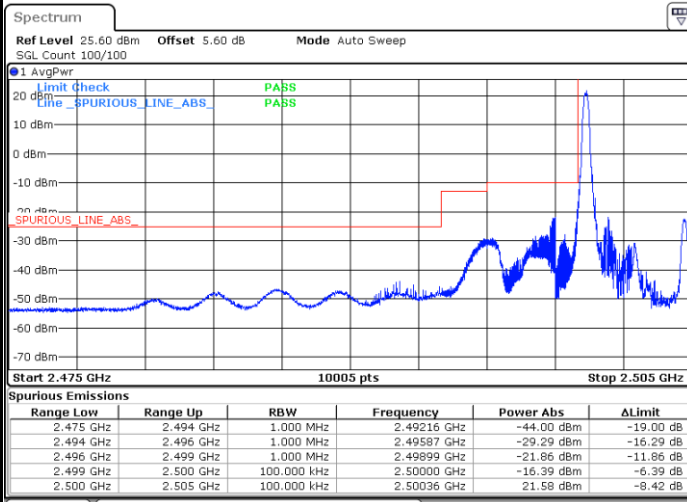


Date: 11.MAR.2022 15:24:27



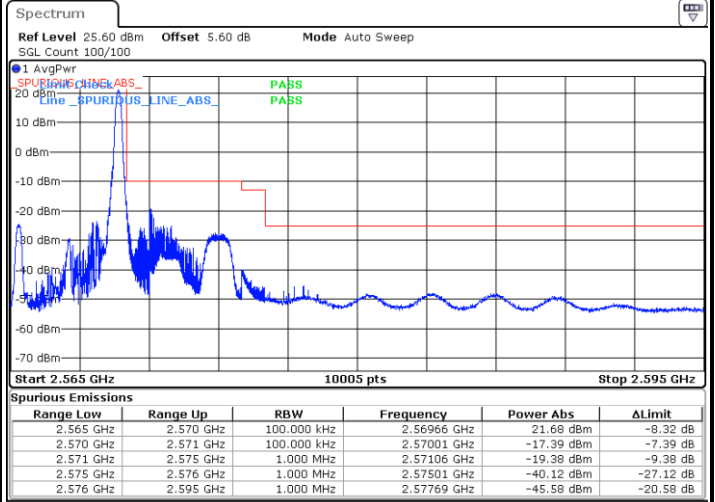
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



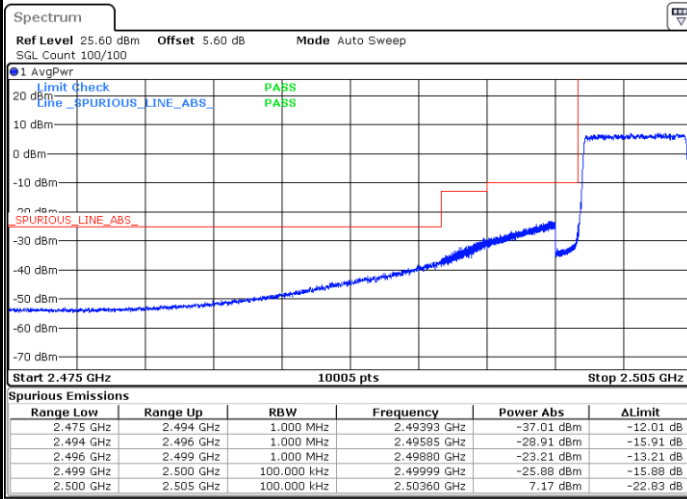
Date: 11.MAR.2022 15:04:46

Highest Band Edge / 1 RB



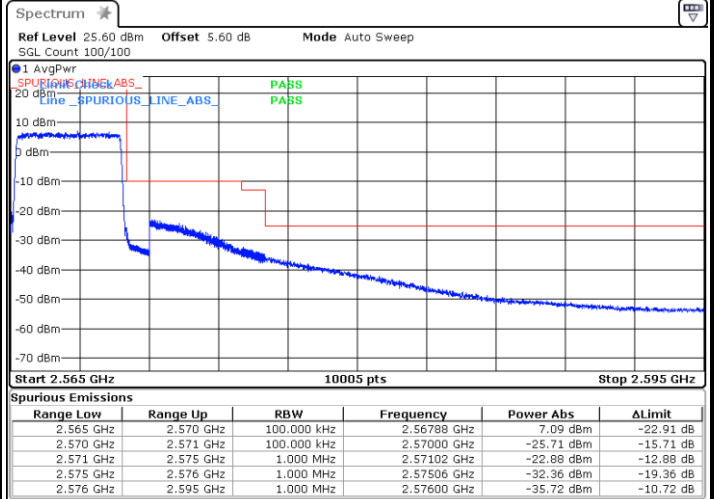
Date: 11.MAR.2022 15:17:39

Lowest Band Edge / Full RB



Date: 11.MAR.2022 15:09:53

Highest Band Edge / Full RB

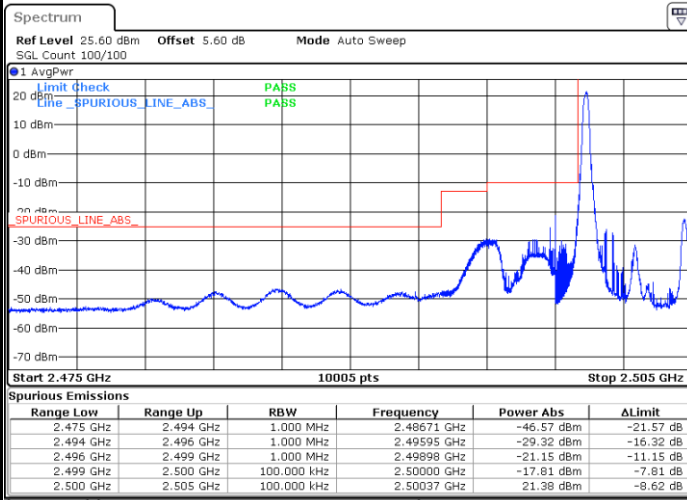


Date: 11.MAR.2022 15:22:45



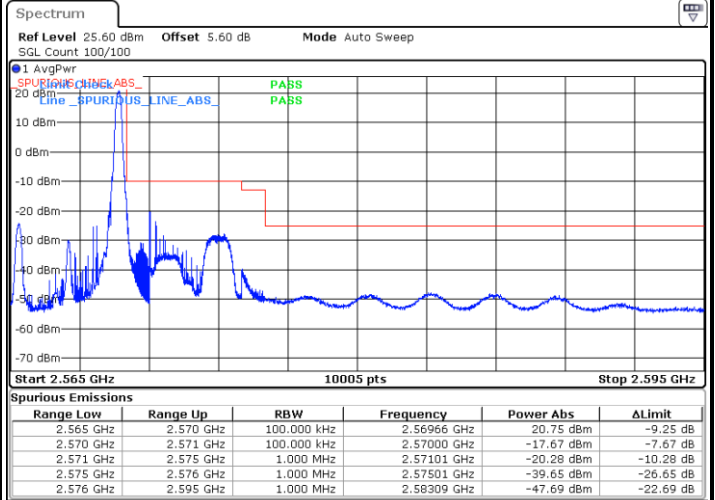
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



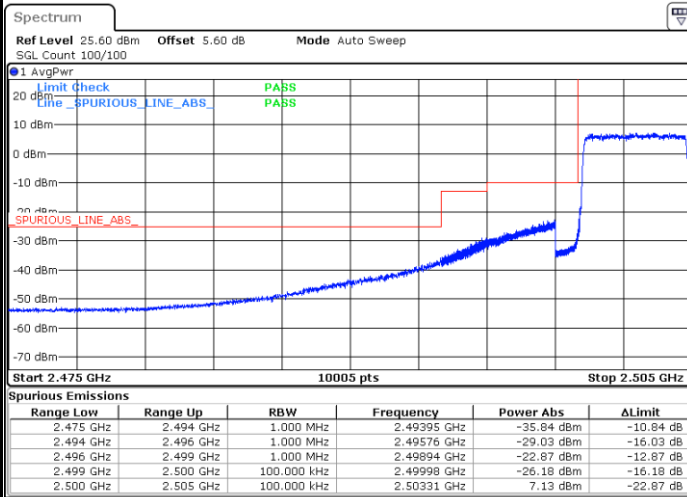
Date: 11.MAR.2022 15:06:28

Highest Band Edge / 1 RB



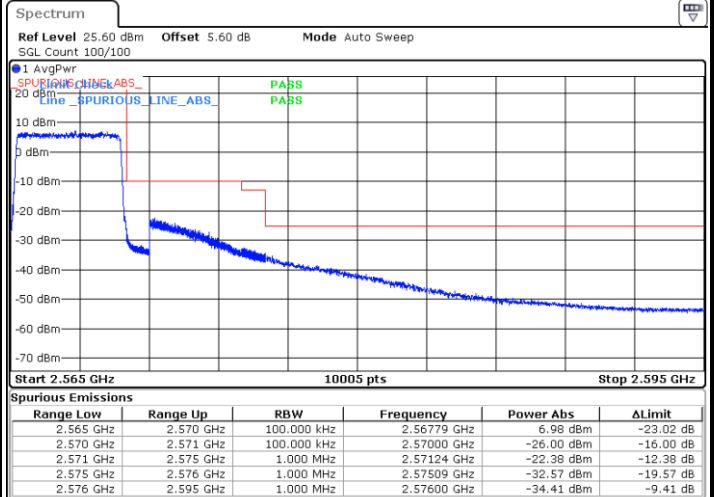
Date: 11.MAR.2022 15:19:19

Lowest Band Edge / Full RB



Date: 11.MAR.2022 15:08:12

Highest Band Edge / Full RB

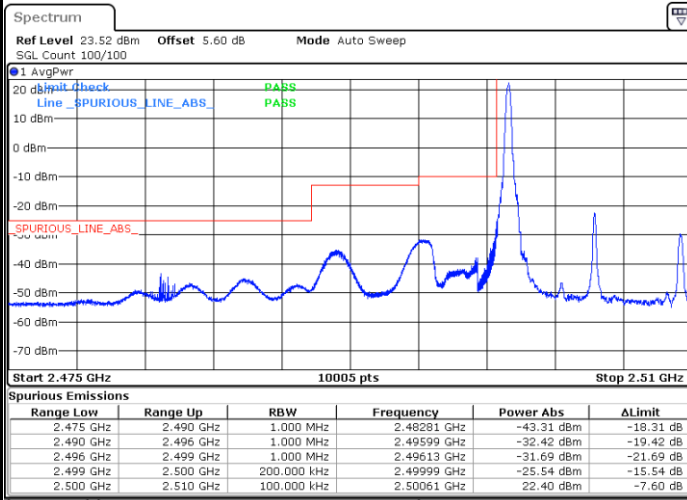


Date: 11.MAR.2022 15:21:04



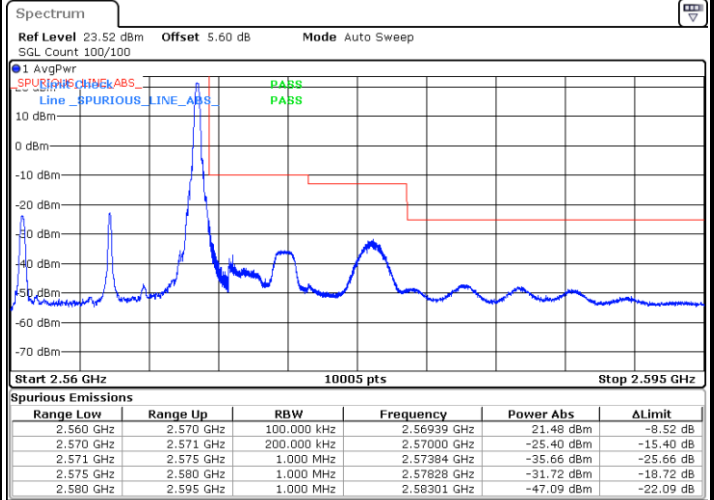
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



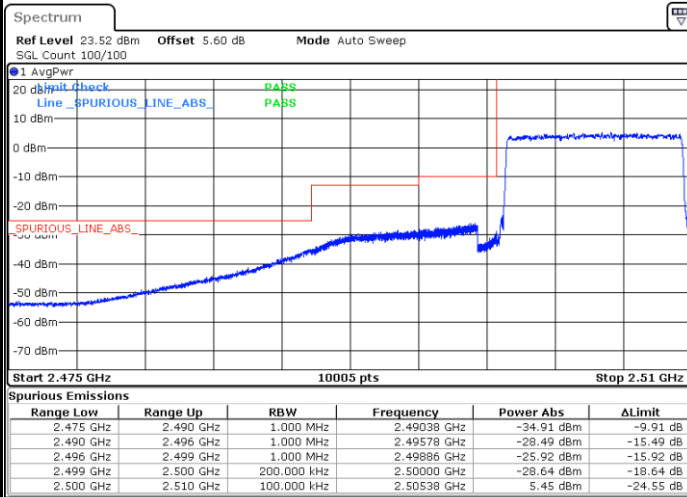
Date: 11.MAR.2022 15:27:30

Highest Band Edge / 1 RB



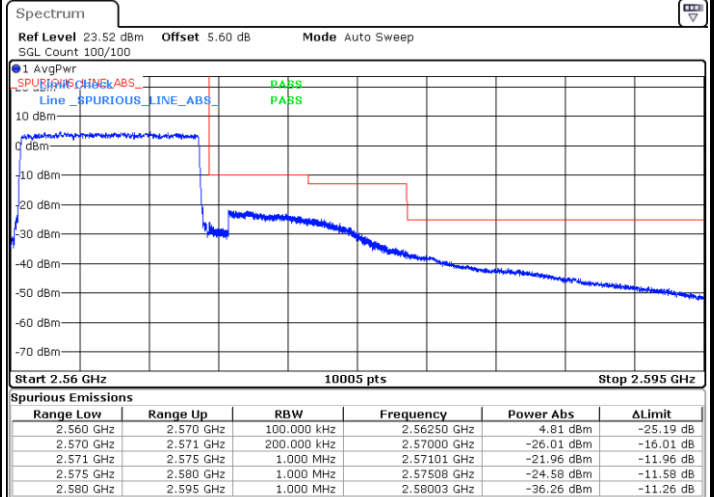
Date: 11.MAR.2022 15:40:17

Lowest Band Edge / Full RB



Date: 11.MAR.2022 15:35:55

Highest Band Edge / Full RB

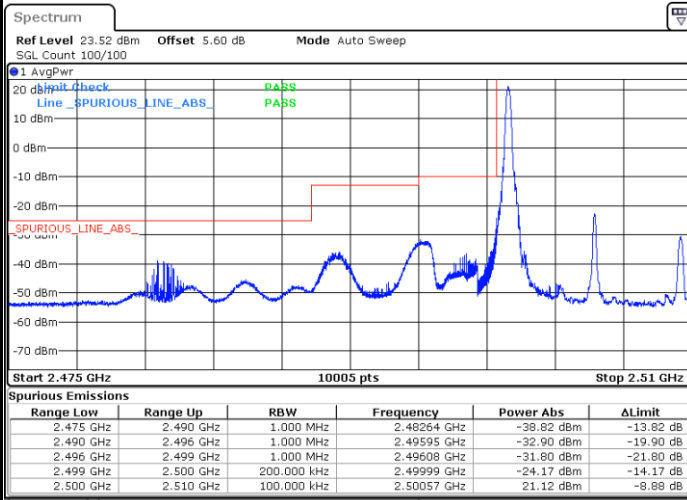


Date: 11.MAR.2022 15:48:42



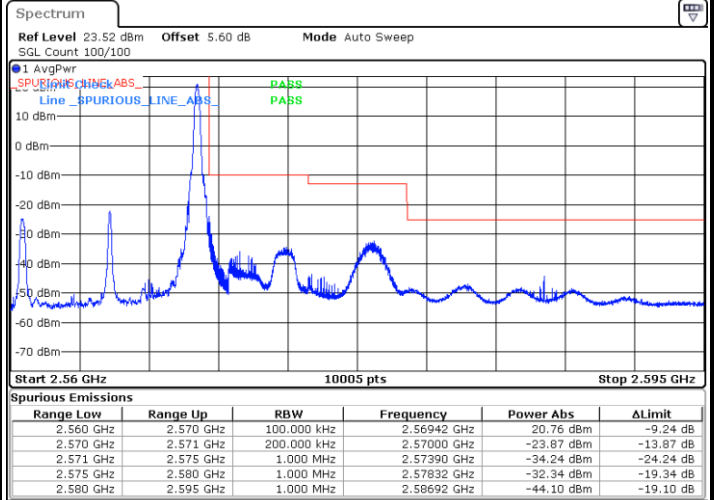
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



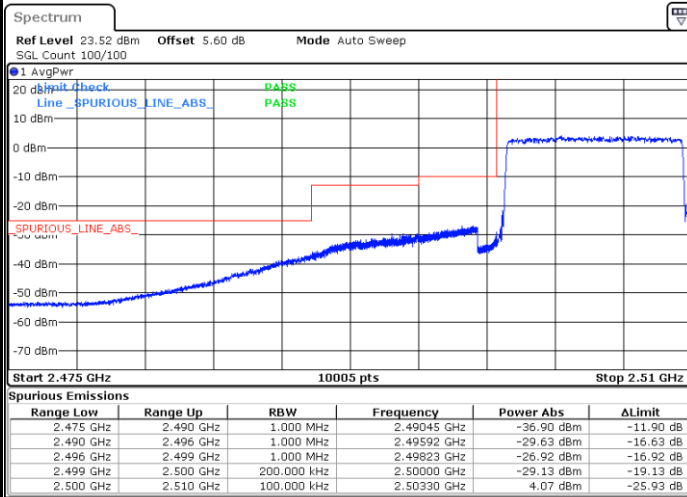
Date: 11.MAR.2022 15:29:11

Highest Band Edge / 1 RB



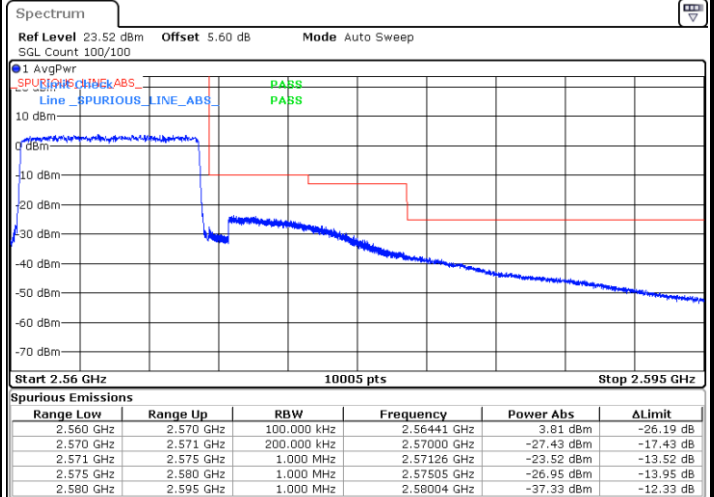
Date: 11.MAR.2022 15:41:57

Lowest Band Edge / Full RB



Date: 11.MAR.2022 15:34:14

Highest Band Edge / Full RB

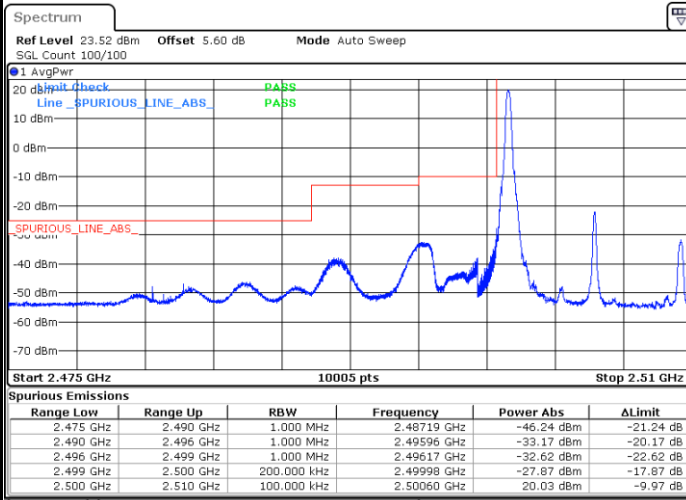


Date: 11.MAR.2022 15:47:01



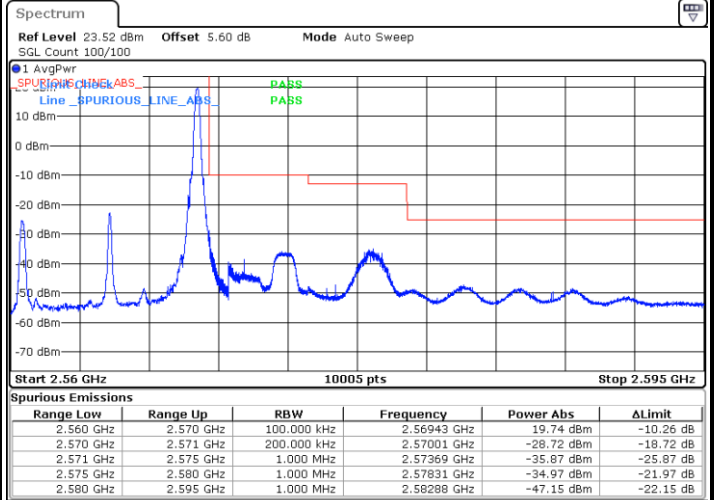
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



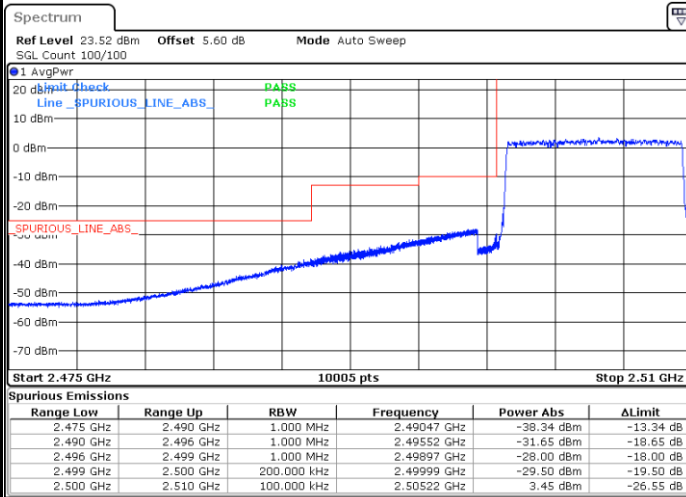
Date: 11.MAR.2022 15:30:52

Highest Band Edge / 1 RB



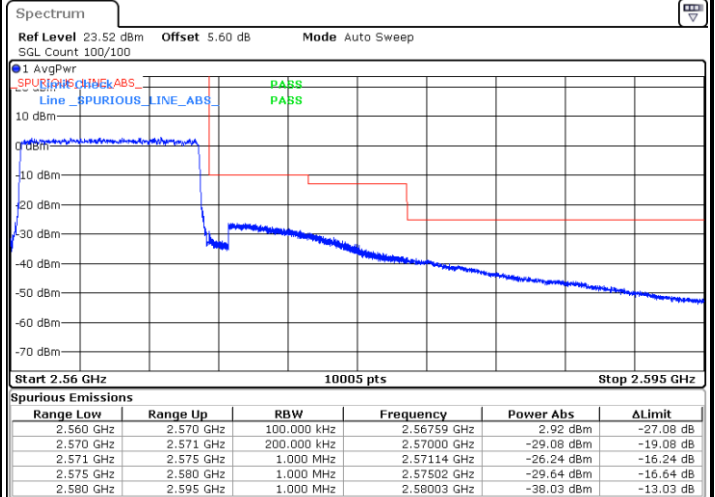
Date: 11.MAR.2022 15:43:38

Lowest Band Edge / Full RB



Date: 11.MAR.2022 15:32:33

Highest Band Edge / Full RB

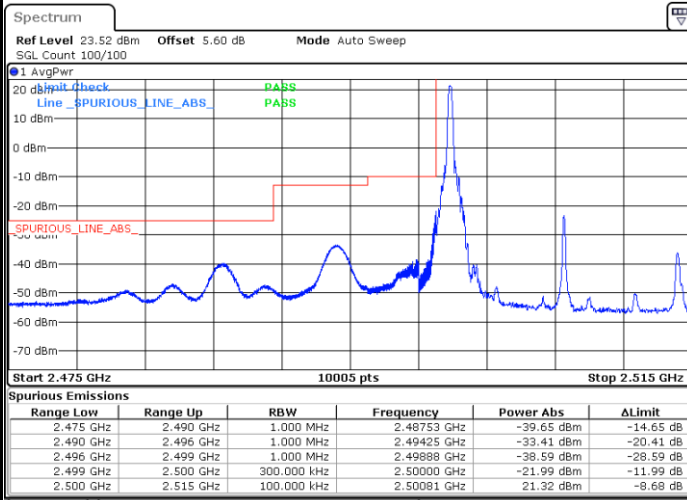


Date: 11.MAR.2022 15:45:19



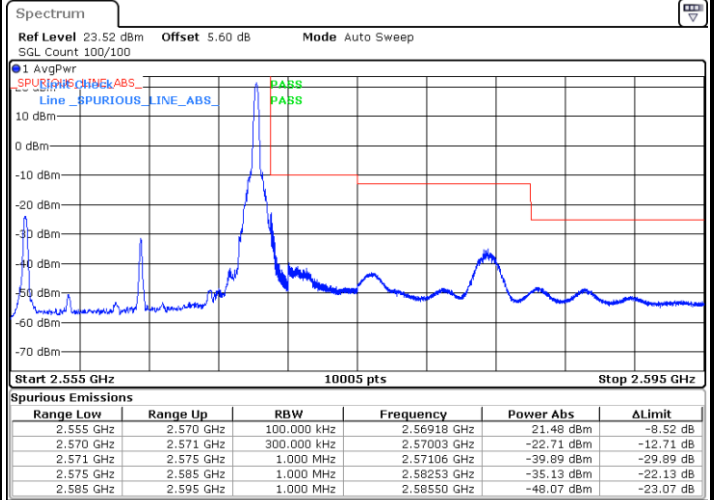
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



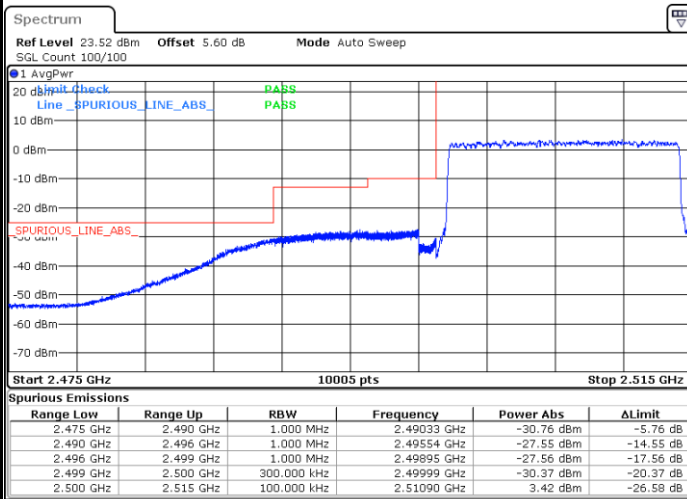
Date: 11.MAR.2022 15:51:44

Highest Band Edge / 1 RB



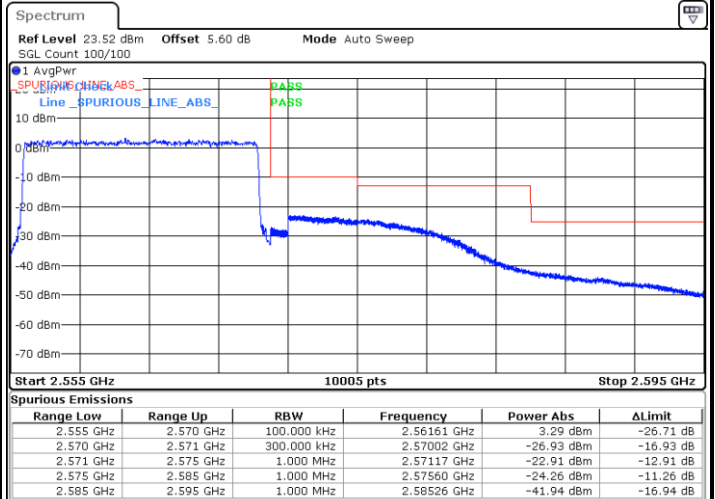
Date: 11.MAR.2022 16:11:32

Lowest Band Edge / Full RB



Date: 11.MAR.2022 16:07:11

Highest Band Edge / Full RB

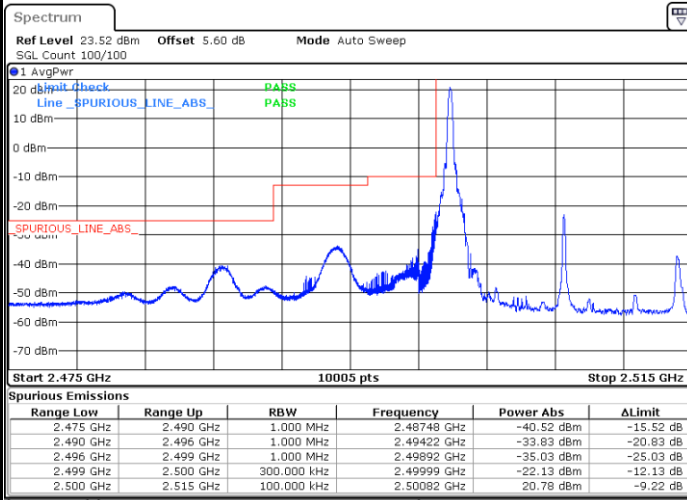


Date: 11.MAR.2022 16:19:59



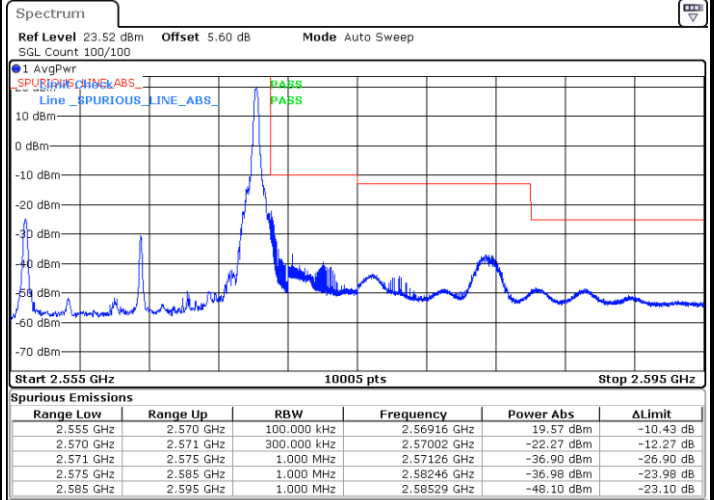
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



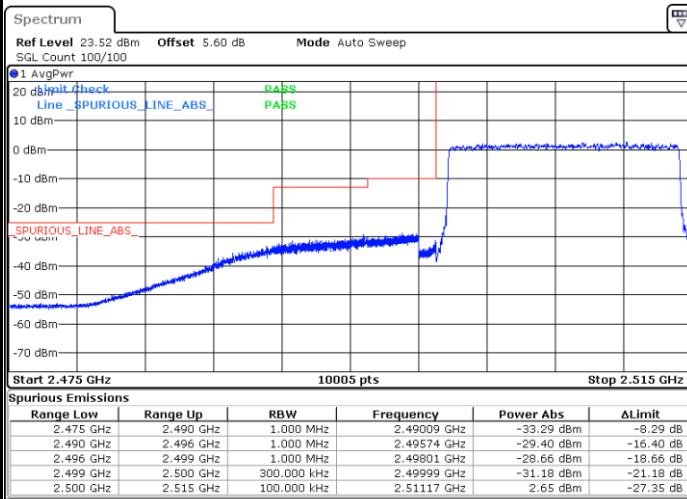
Date: 11.MAR.2022 15:53:26

Highest Band Edge / 1 RB



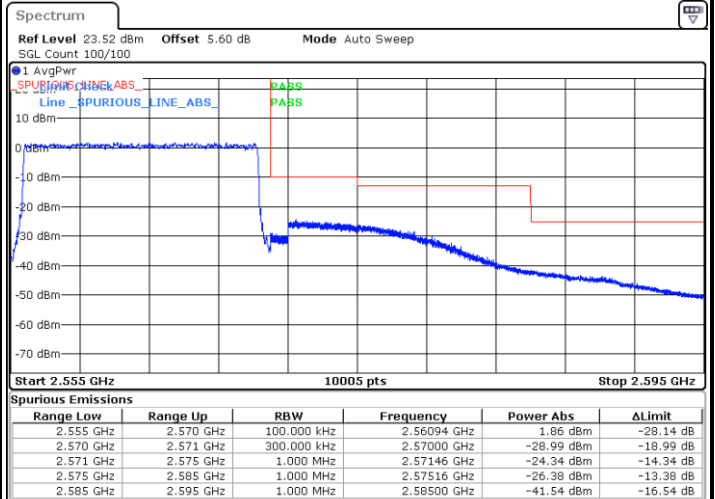
Date: 11.MAR.2022 16:13:14

Lowest Band Edge / Full RB



Date: 11.MAR.2022 16:05:30

Highest Band Edge / Full RB

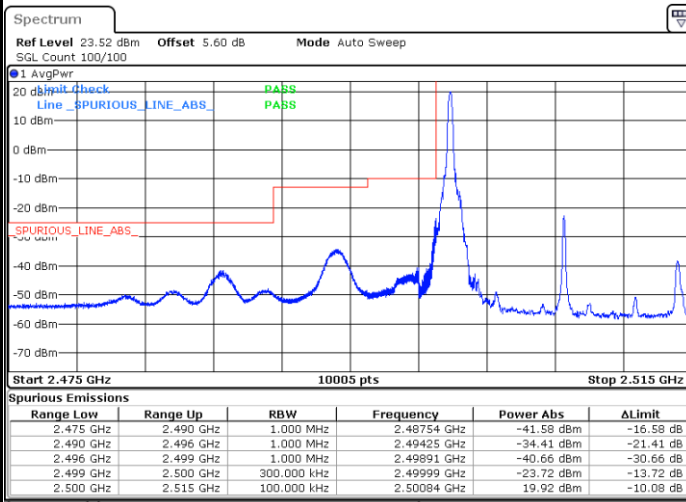


Date: 11.MAR.2022 16:18:17



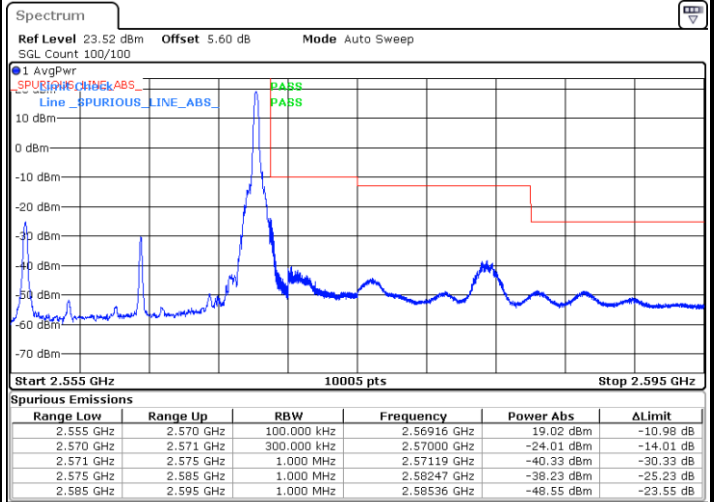
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



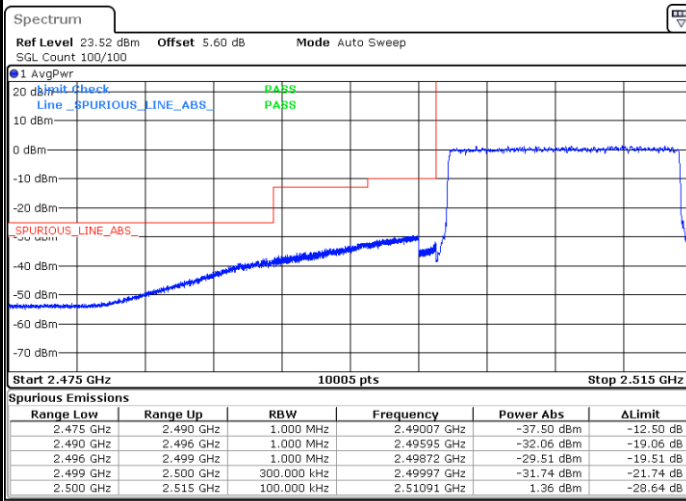
Date: 11.MAR.2022 15:55:07

Highest Band Edge / 1 RB



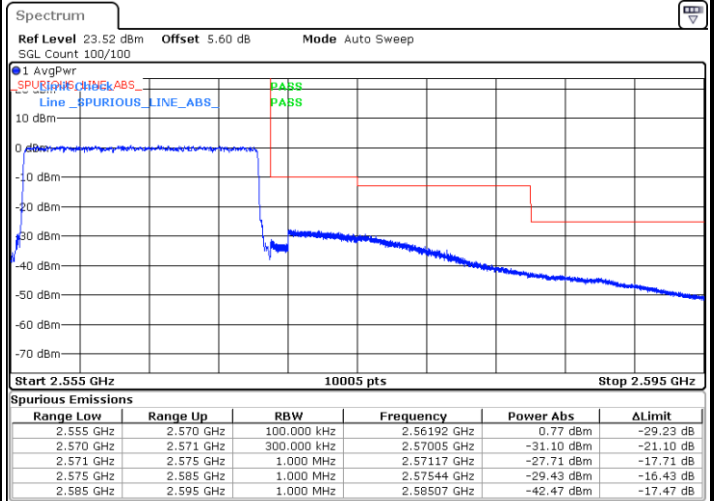
Date: 11.MAR.2022 16:14:55

Lowest Band Edge / Full RB



Date: 11.MAR.2022 16:03:49

Highest Band Edge / Full RB

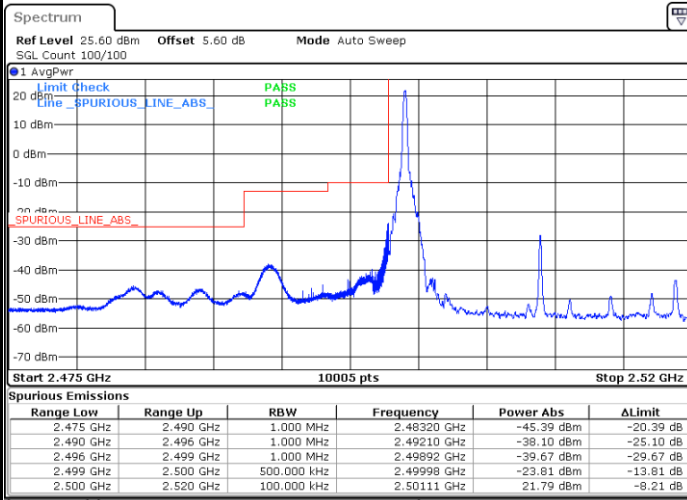


Date: 11.MAR.2022 16:16:37



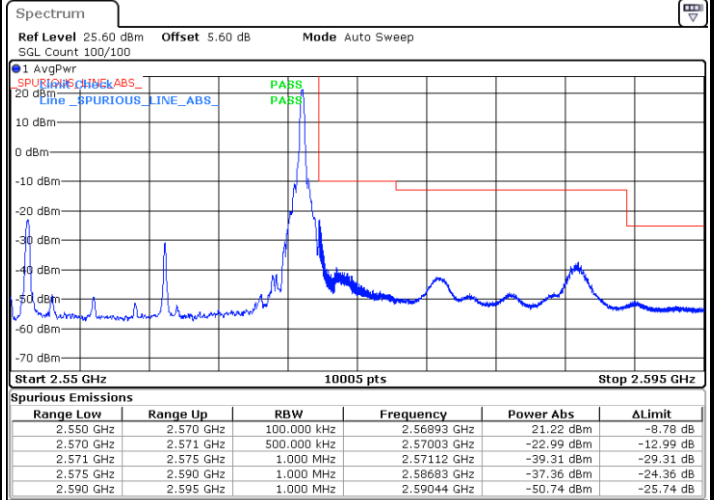
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



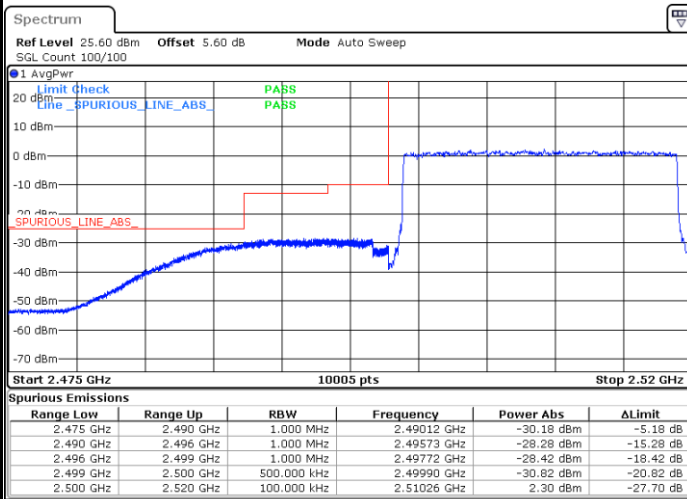
Date: 11.MAR.2022 16:23:02

Highest Band Edge / 1 RB



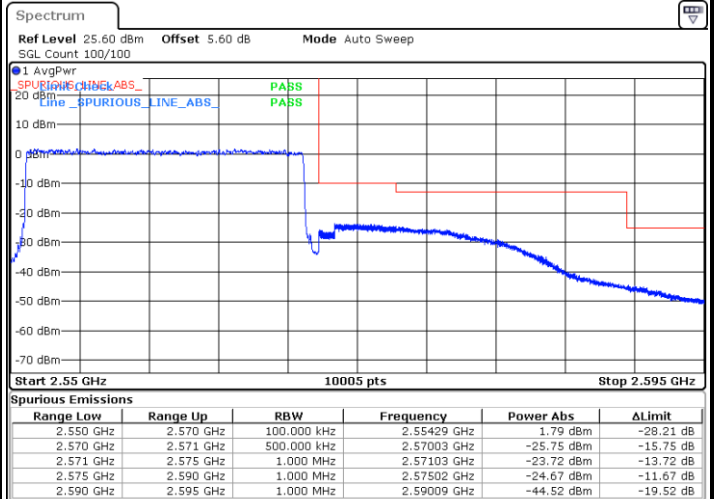
Date: 11.MAR.2022 16:35:51

Lowest Band Edge / Full RB



Date: 11.MAR.2022 16:31:30

Highest Band Edge / Full RB

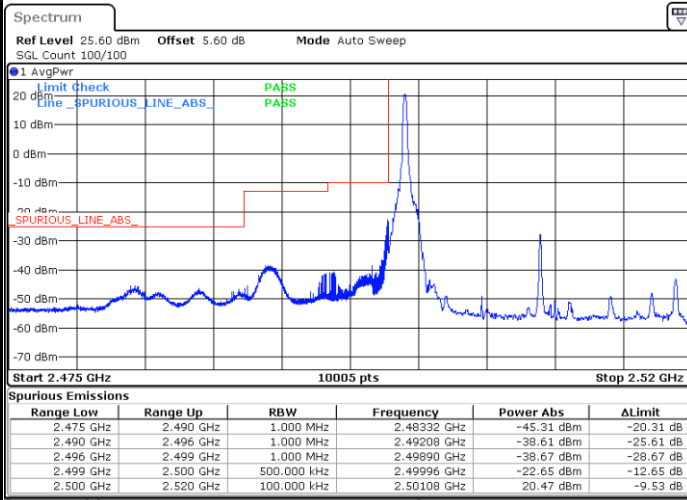


Date: 11.MAR.2022 16:44:18



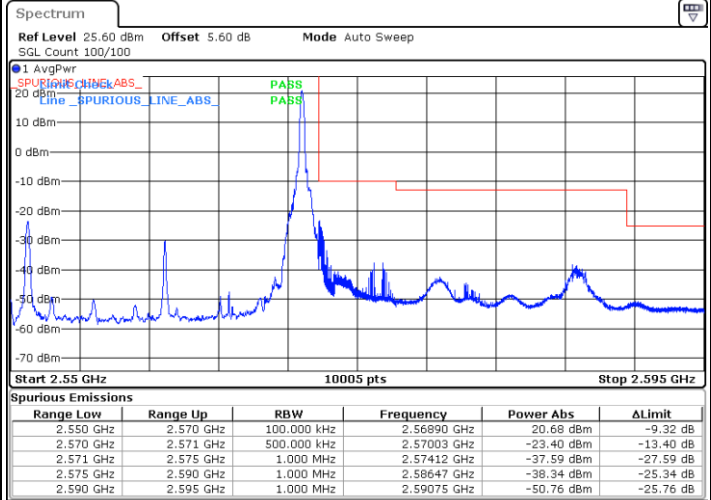
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



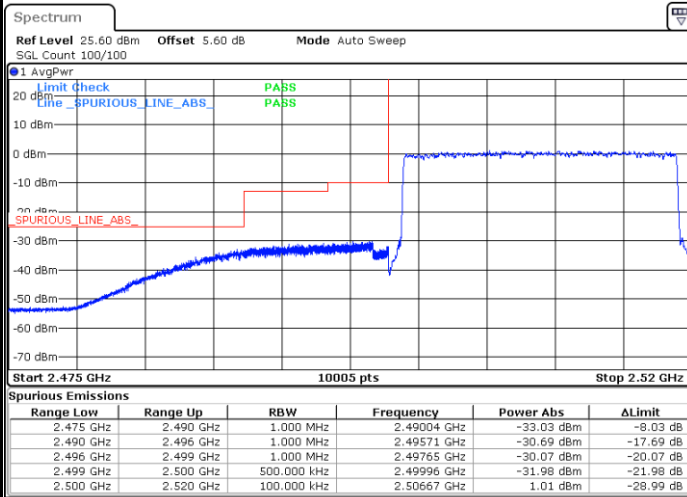
Date: 11.MAR.2022 16:24:43

Highest Band Edge / 1 RB



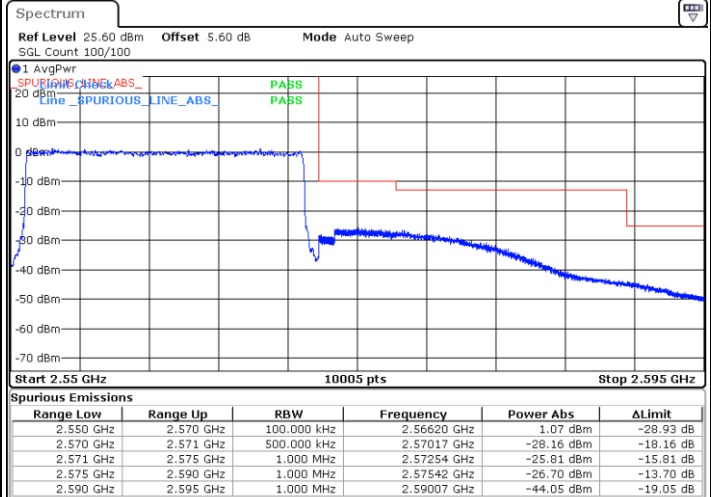
Date: 11.MAR.2022 16:37:32

Lowest Band Edge / Full RB



Date: 11.MAR.2022 16:29:47

Highest Band Edge / Full RB

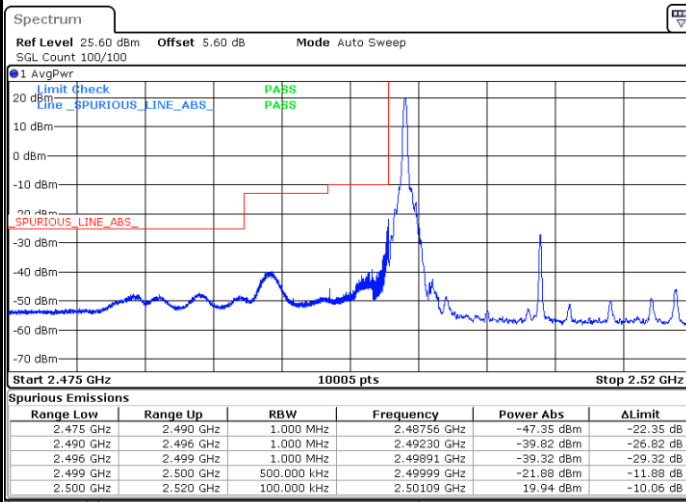


Date: 11.MAR.2022 16:42:36



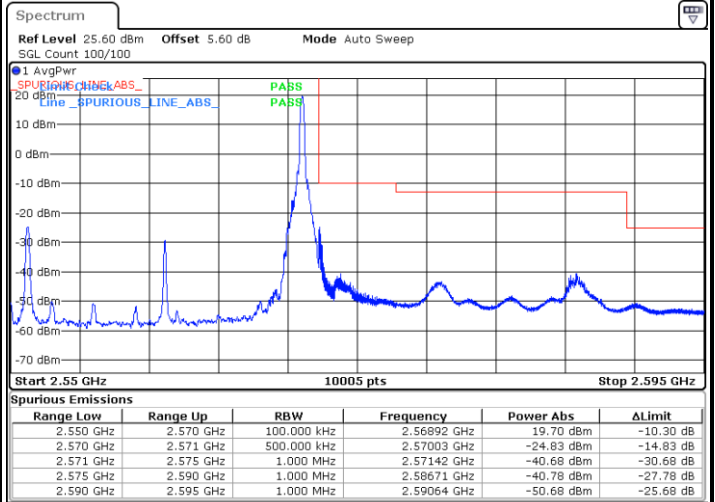
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



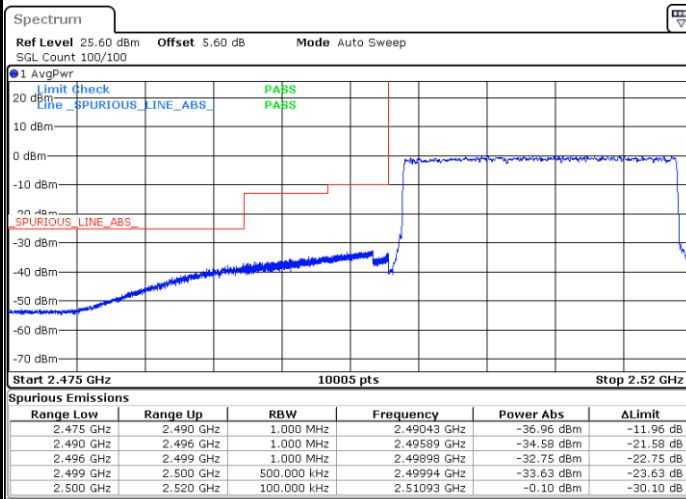
Date: 11.MAR.2022 16:26:25

Highest Band Edge / 1 RB



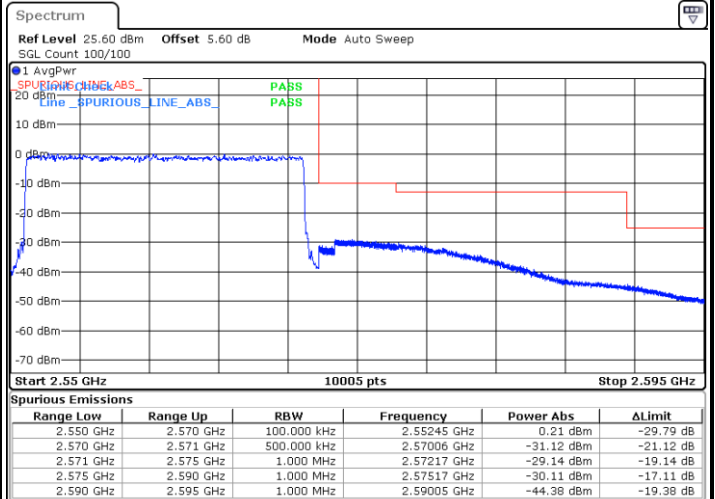
Date: 11.MAR.2022 16:39:13

Lowest Band Edge / Full RB



Date: 11.MAR.2022 16:28:06

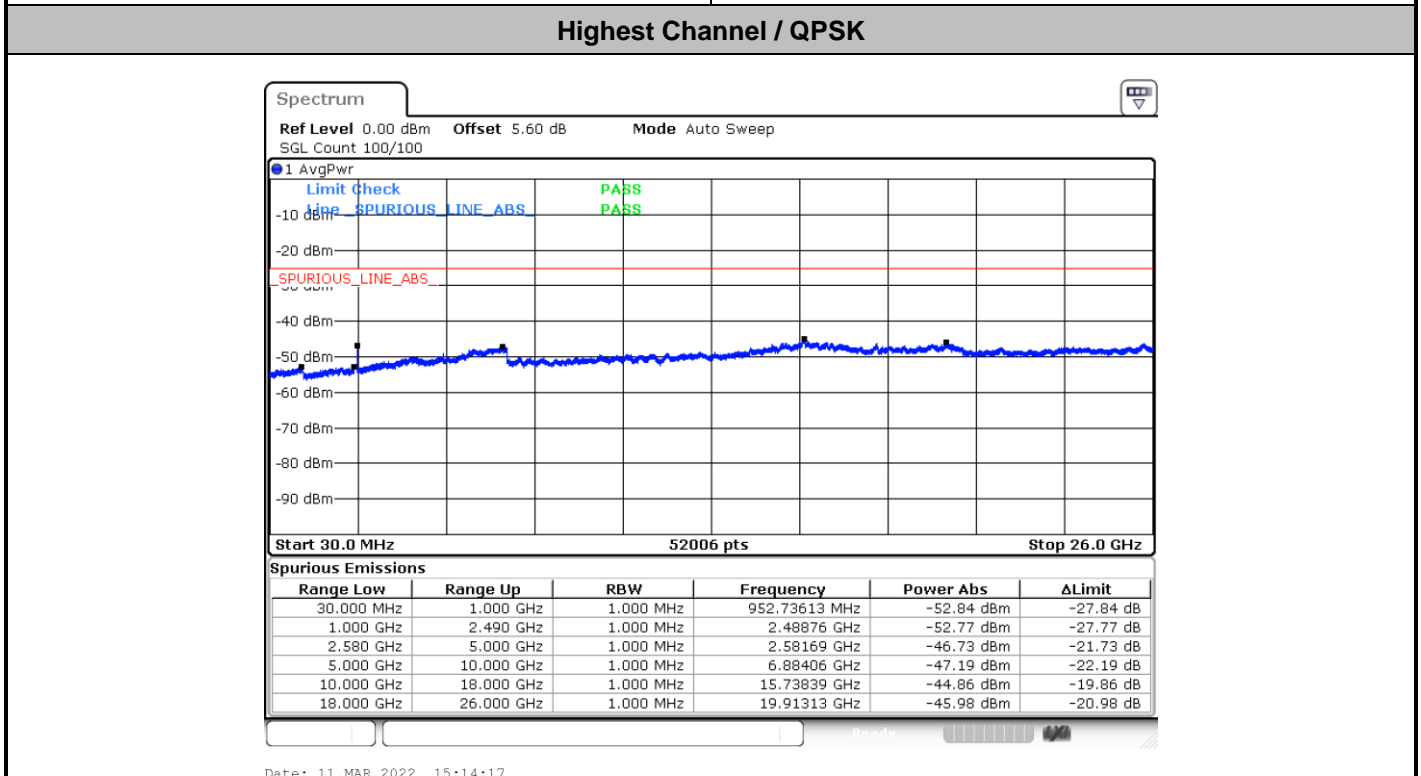
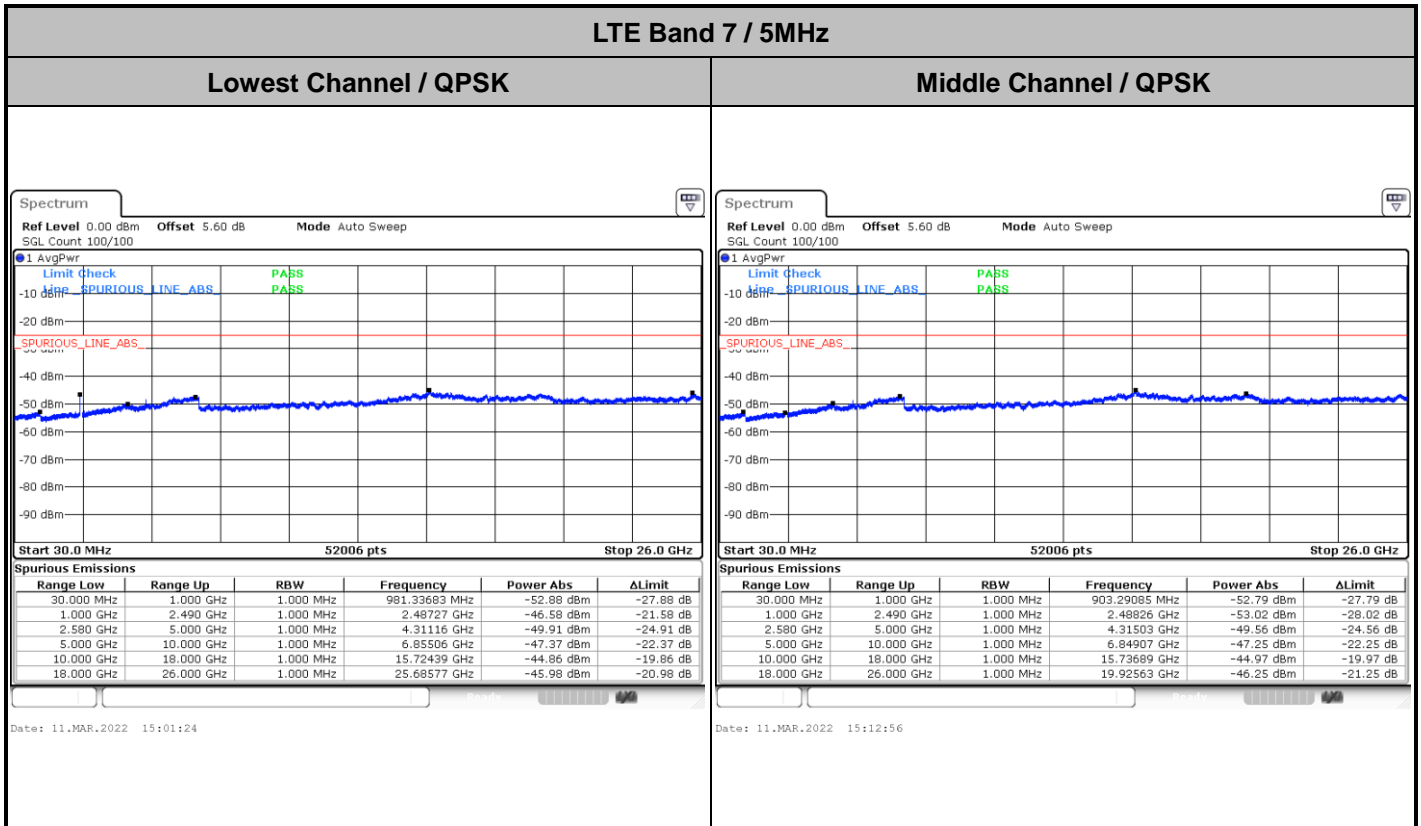
Highest Band Edge / Full RB



Date: 11.MAR.2022 16:40:54



Conducted Spurious Emission

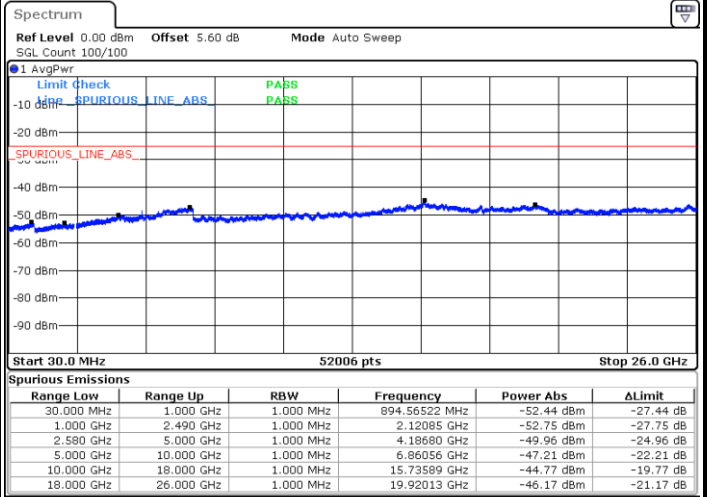
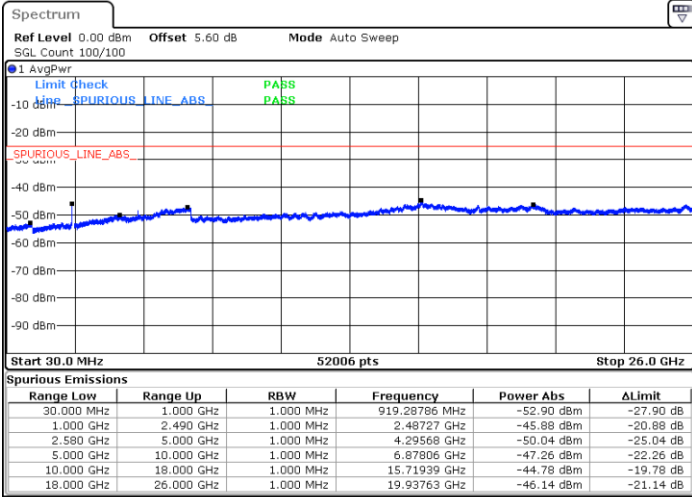




LTE Band 7 / 10MHz

Lowest Channel / QPSK

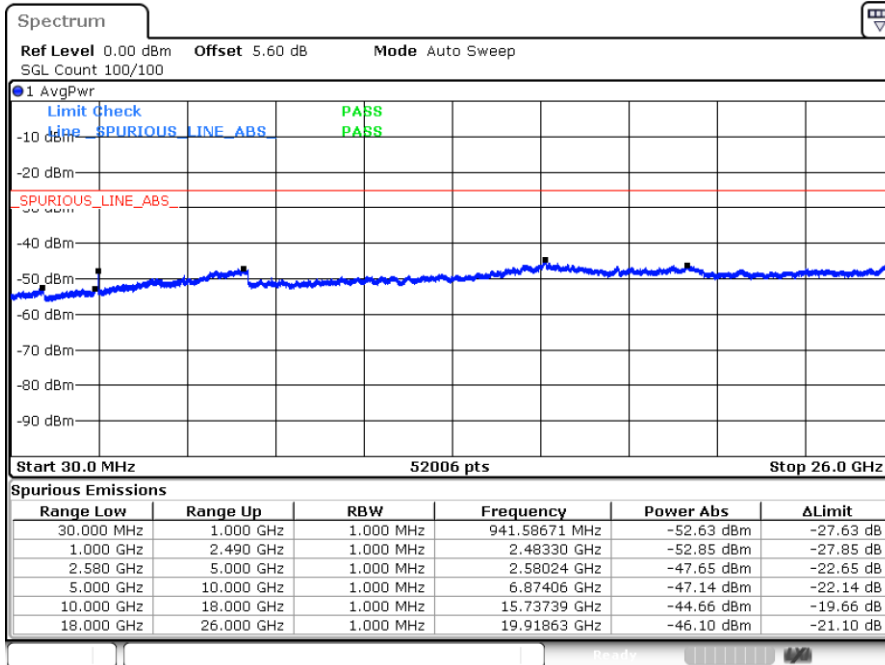
Middle Channel / QPSK



Date: 11.MAR.2022 15:25:48

Date: 11.MAR.2022 15:37:15

Highest Channel / QPSK



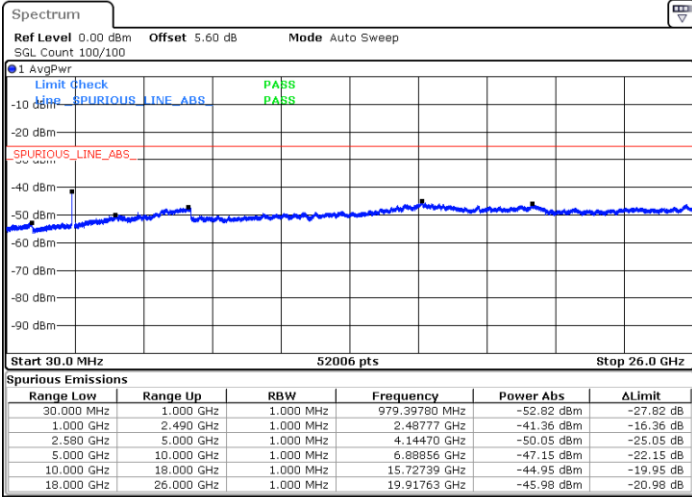
Date: 11.MAR.2022 15:38:35



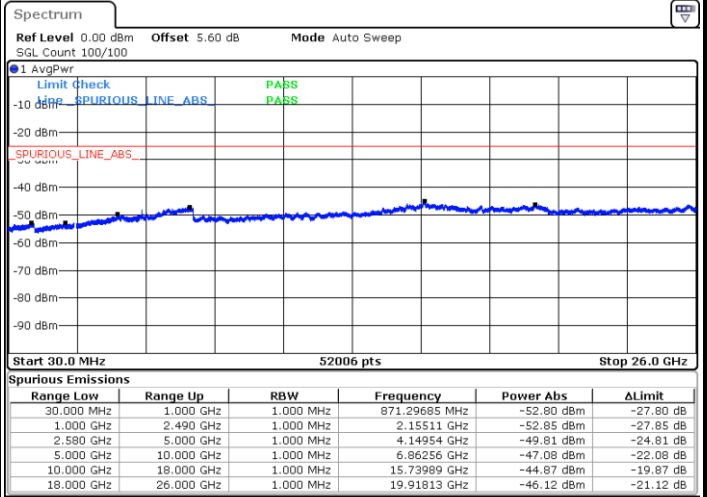
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

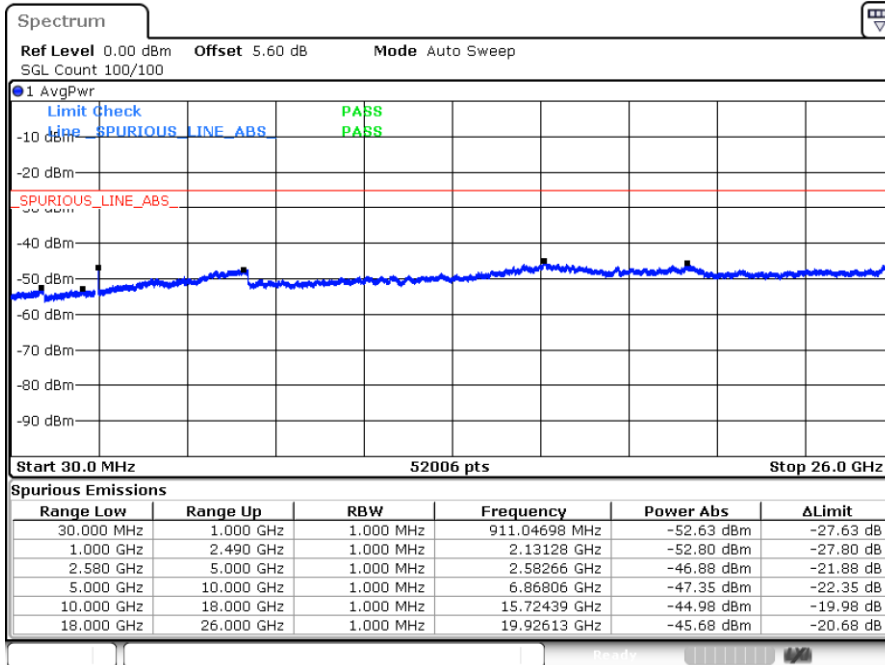


Date: 11.MAR.2022 15:50:03



Date: 11.MAR.2022 16:08:31

Highest Channel / QPSK

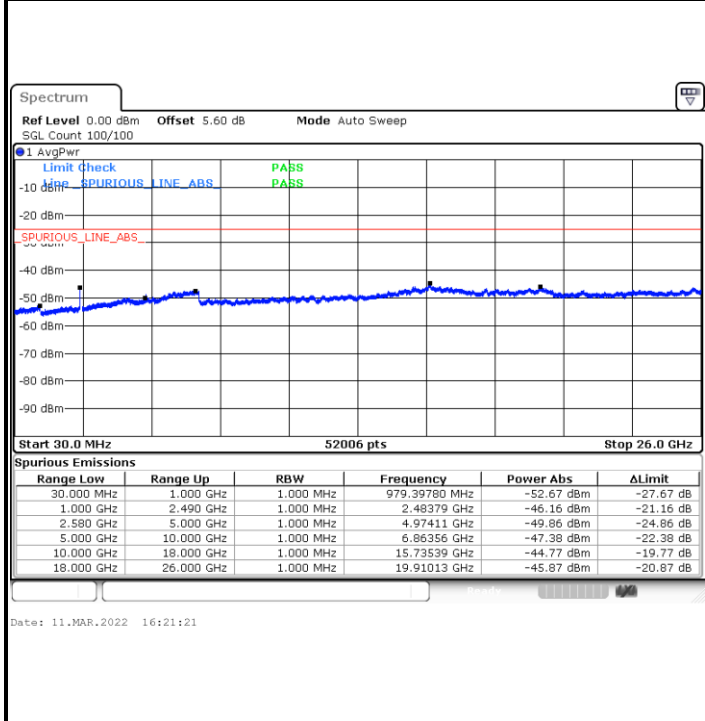


Date: 11.MAR.2022 16:09:51

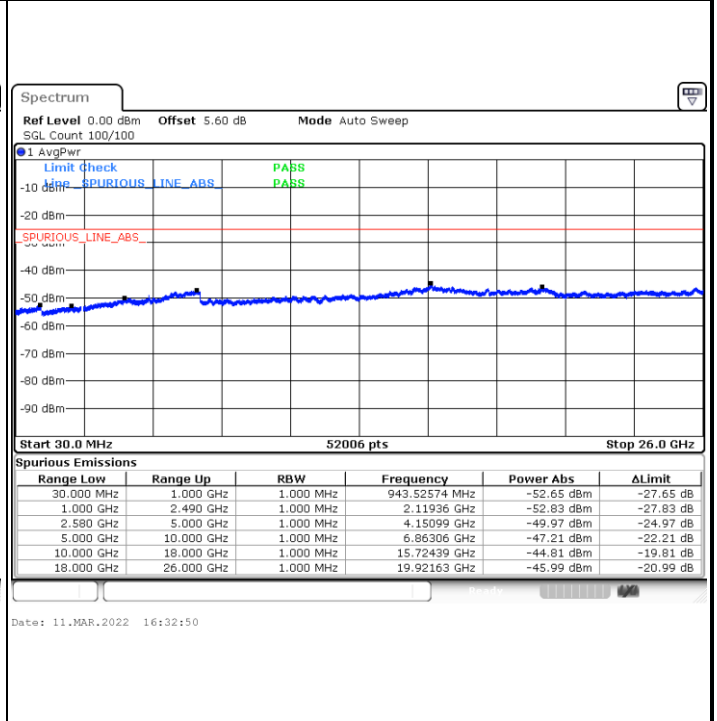


LTE Band 7 / 20MHz

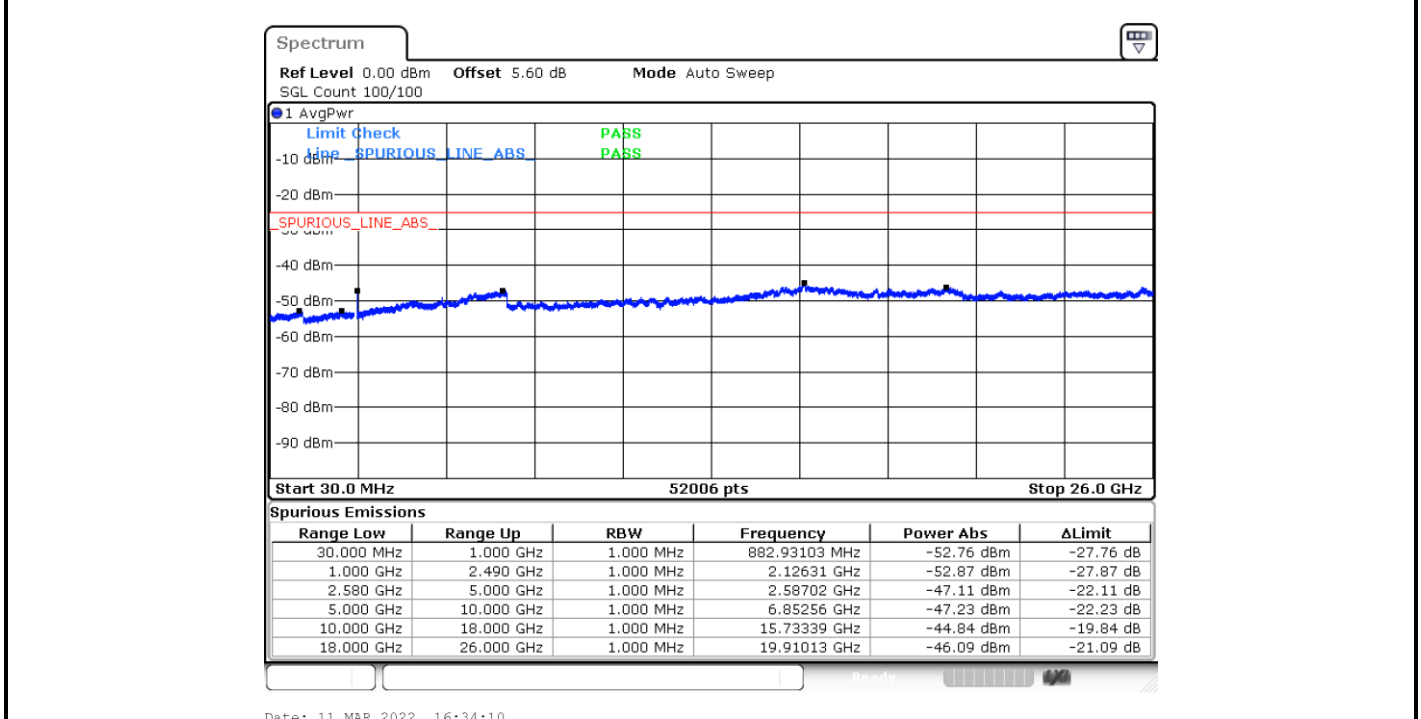
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





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	0.0016	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0025	
20	Battery End Point	0.0021	

Note:

- 5. Normal Voltage =3.86 V ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
- 6. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26_Part 22H

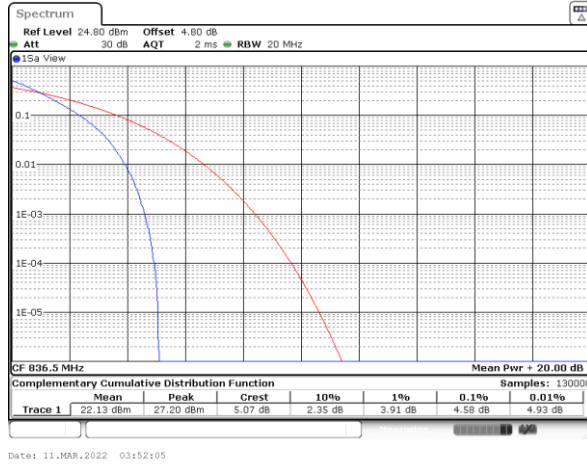
Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.58	5.42	5.97	PASS

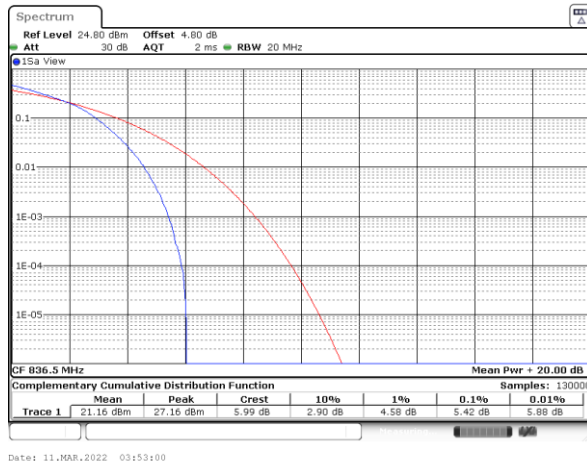


LTE Band 26 / 15MHz

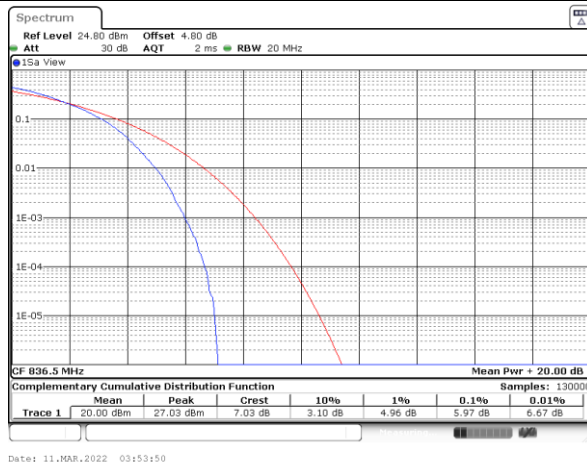
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM



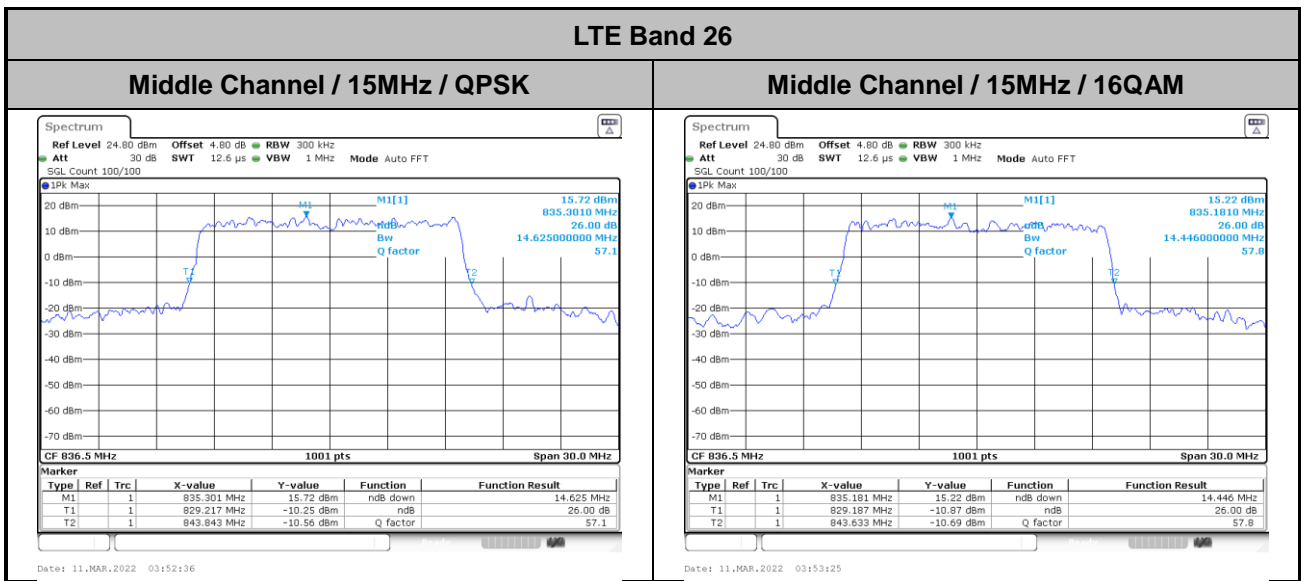
Middle Channel / Full RB/ 64QAM





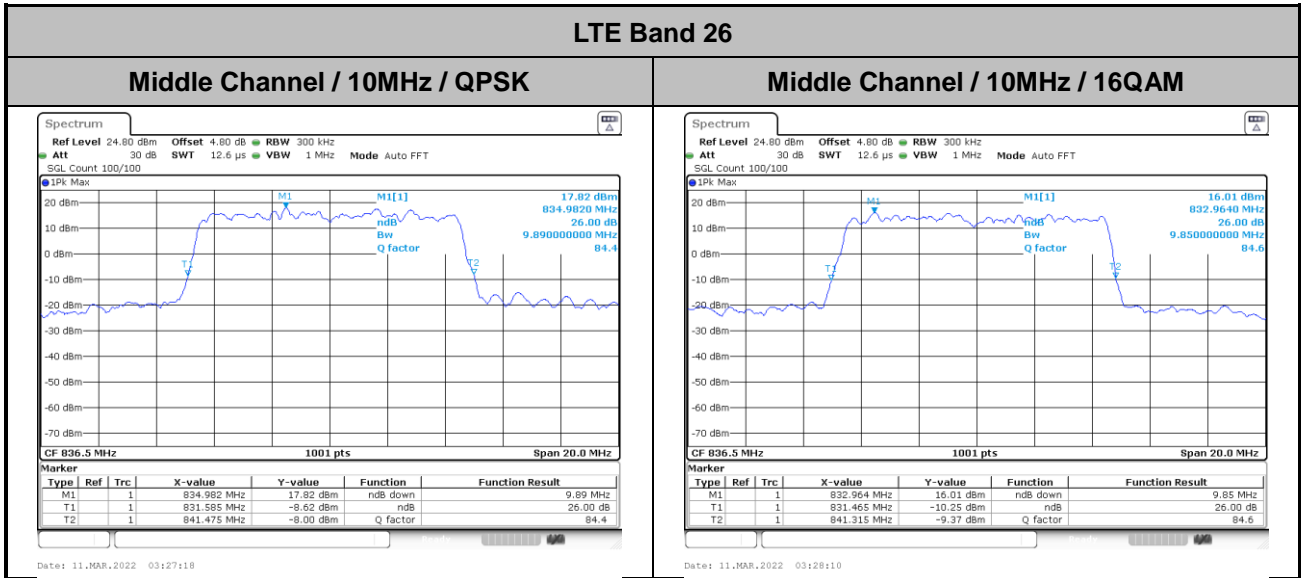
26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.63	14.45





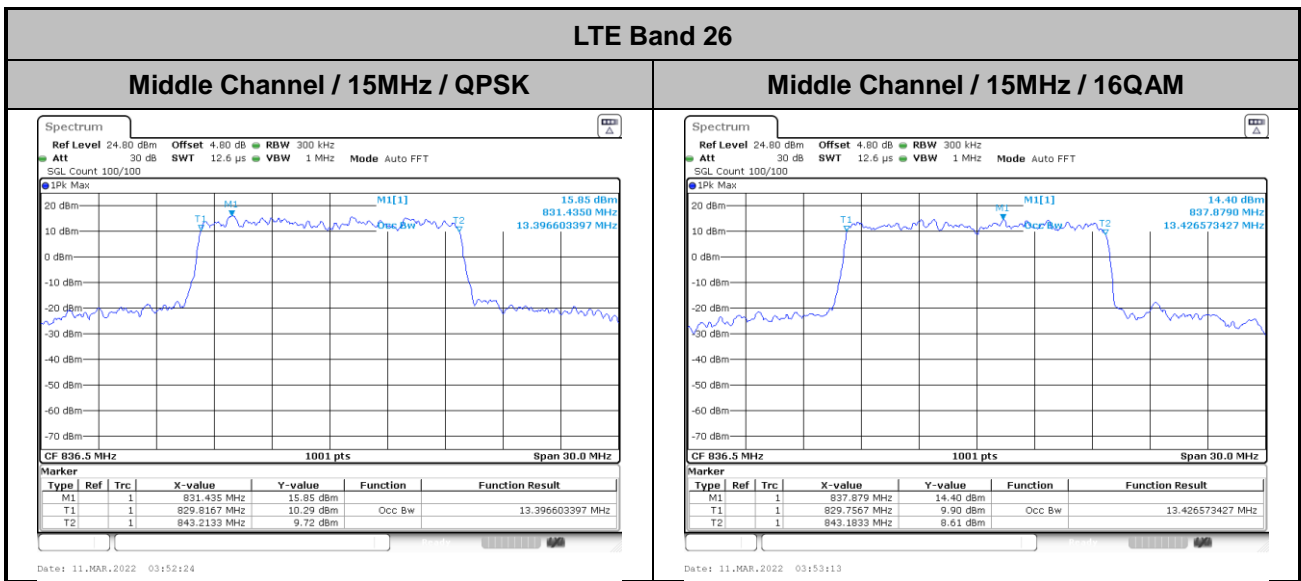
Mode	LTE Band 26 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.89	9.85





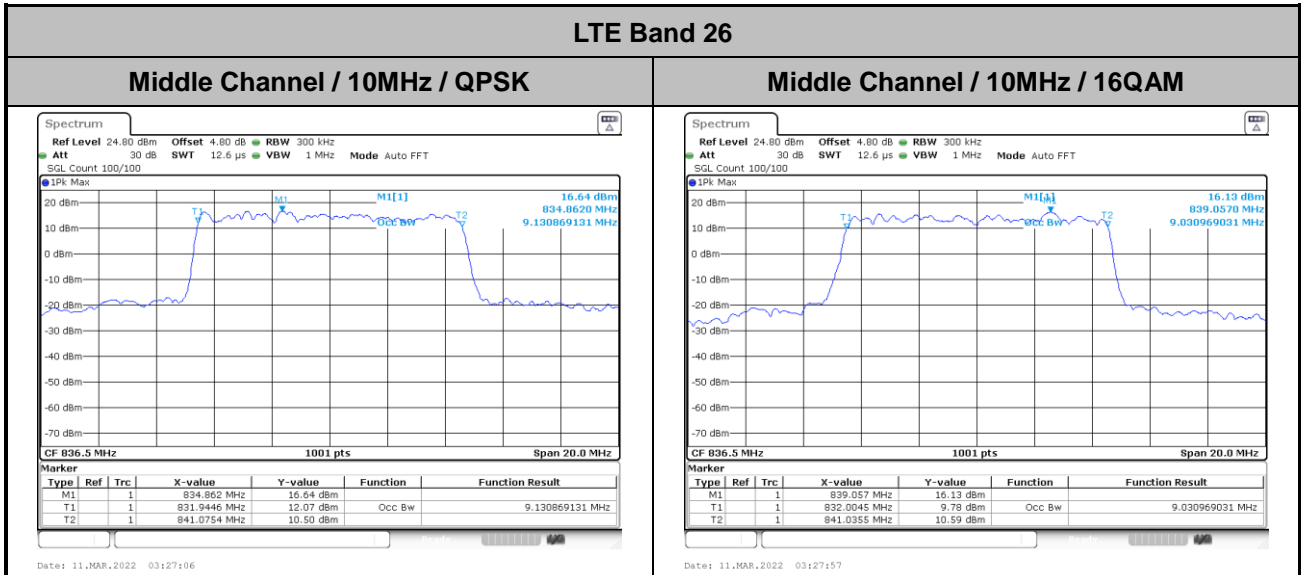
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.40	13.43





Mode	LTE Band 26 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.13	9.03





Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Low CH	13.43	13.52

