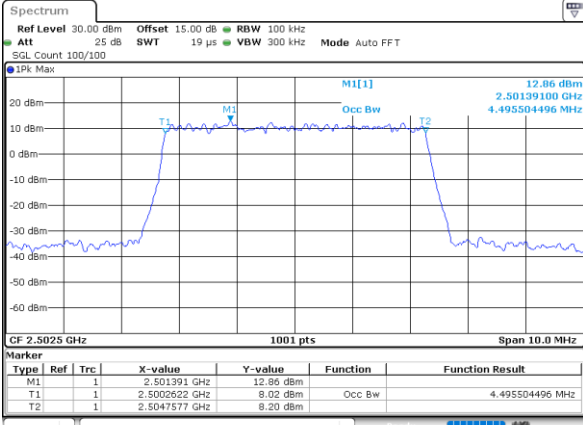




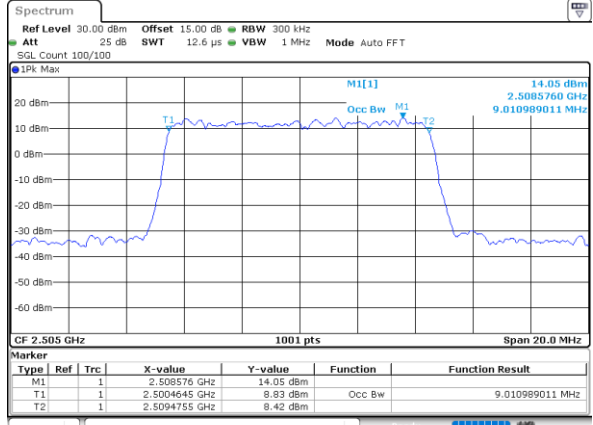
LTE Band 7

Lowest Channel / 5MHz / 64QAM



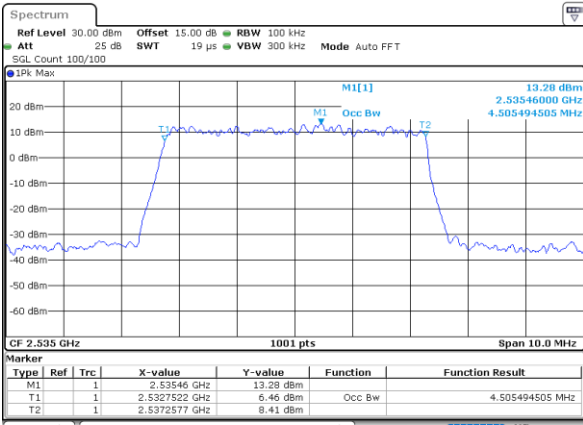
Date: 16, DEC, 2021 21:30:09

Lowest Channel / 10MHz / 64QAM



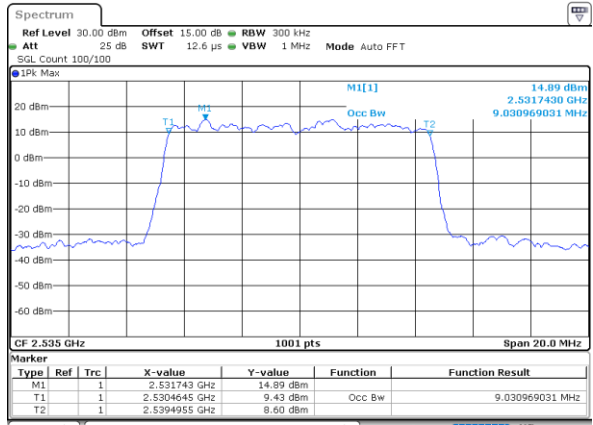
Date: 16, DEC, 2021 21:56:05

Middle Channel / 5MHz / 64QAM



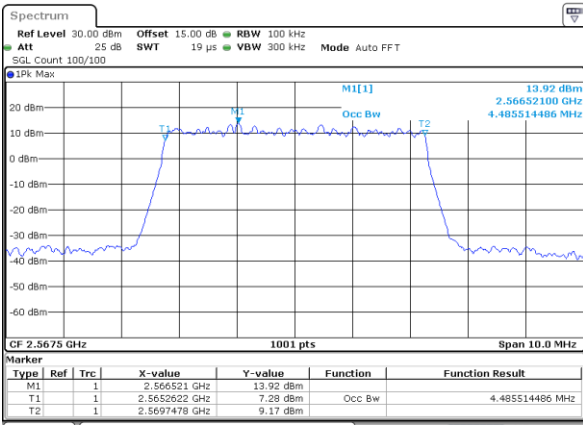
Date: 16, DEC, 2021 21:33:49

Middle Channel / 10MHz / 64QAM



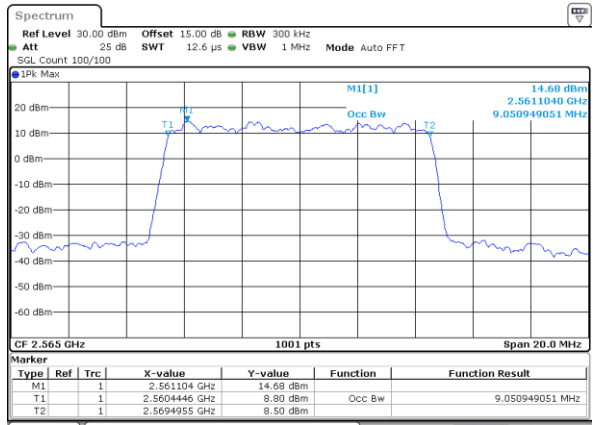
Date: 16, DEC, 2021 21:59:44

Highest Channel / 5MHz / 64QAM



Date: 16, DEC, 2021 21:35:09

Highest Channel / 10MHz / 64QAM

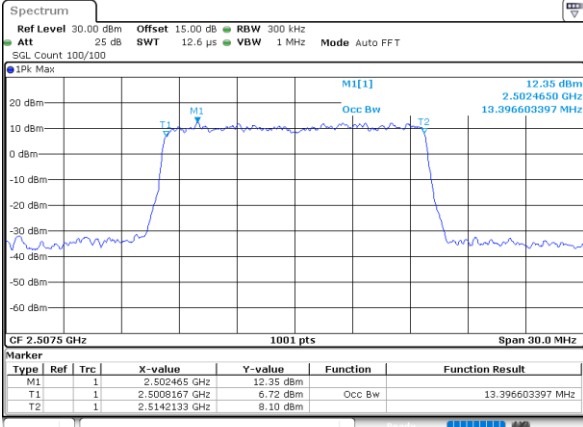


Date: 16, DEC, 2021 22:01:04



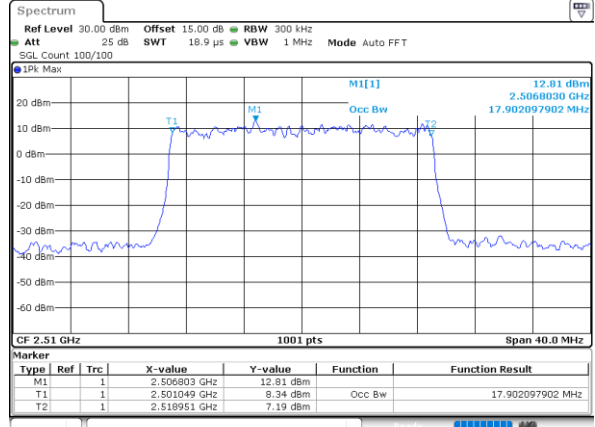
LTE Band 7

Lowest Channel / 15MHz / 64QAM



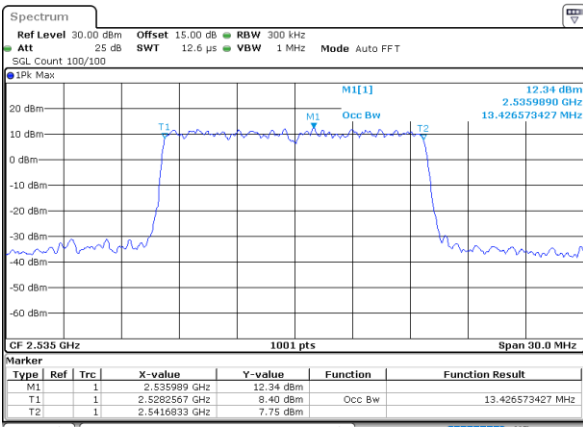
Date: 16, DEC, 2021 22:22:01

Lowest Channel / 20MHz / 64QAM



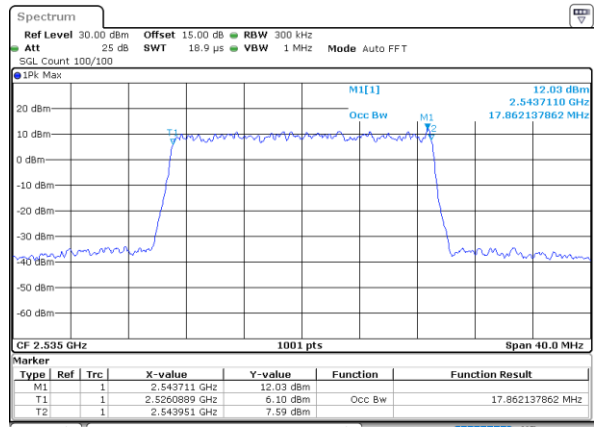
Date: 16, DEC, 2021 22:14:58

Middle Channel / 15MHz / 64QAM



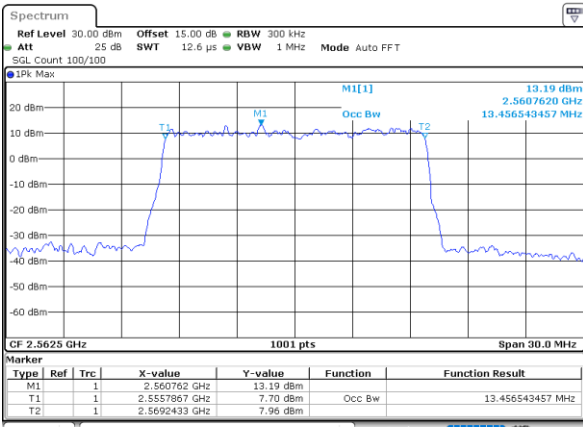
Date: 16, DEC, 2021 22:25:41

Middle Channel / 20MHz / 64QAM



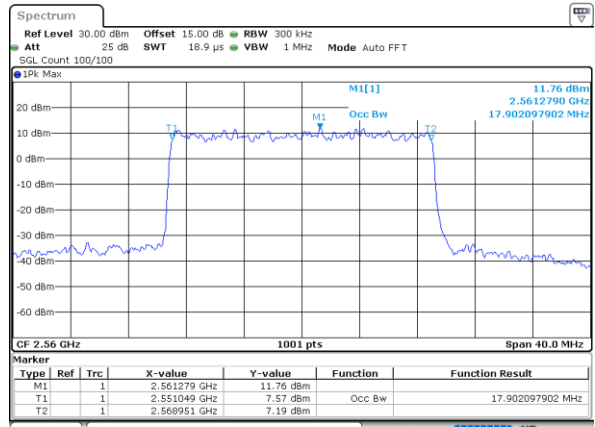
Date: 16, DEC, 2021 22:15:18

Highest Channel / 15MHz / 64QAM



Date: 16, DEC, 2021 22:27:01

Highest Channel / 20MHz / 64QAM



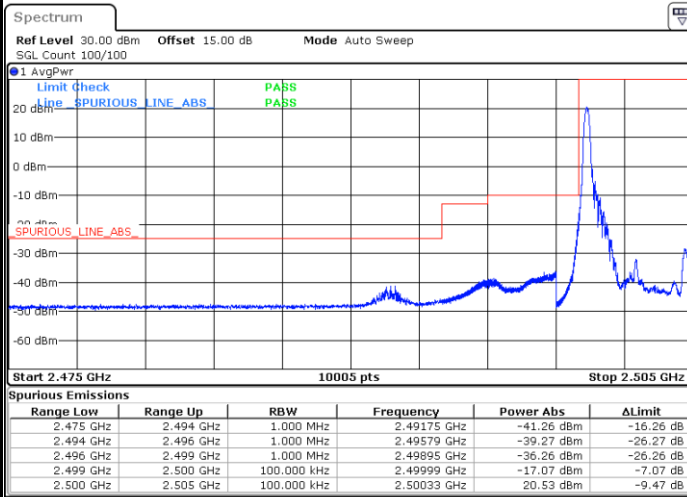
Date: 16, DEC, 2021 22:15:58



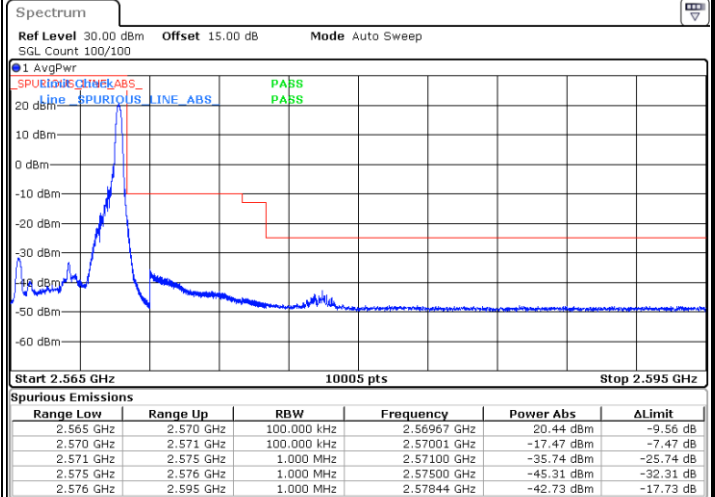
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

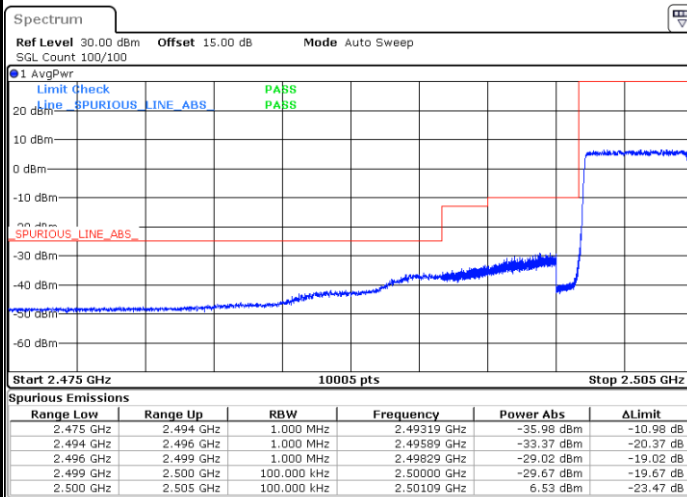
Lowest Band Edge / 1 RB



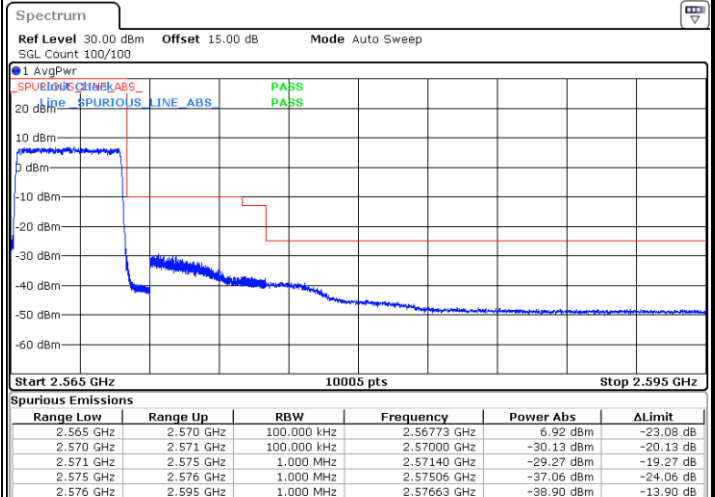
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



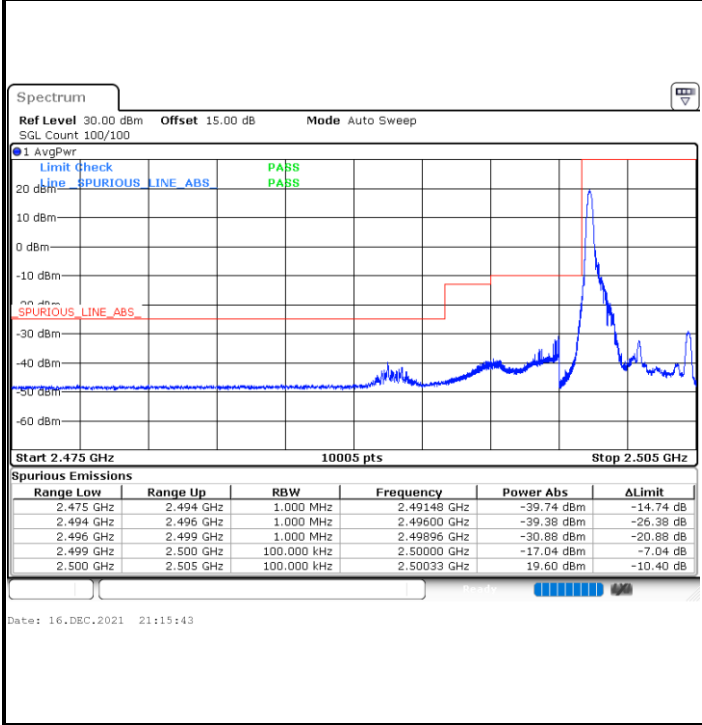
Highest Band Edge / Full RB



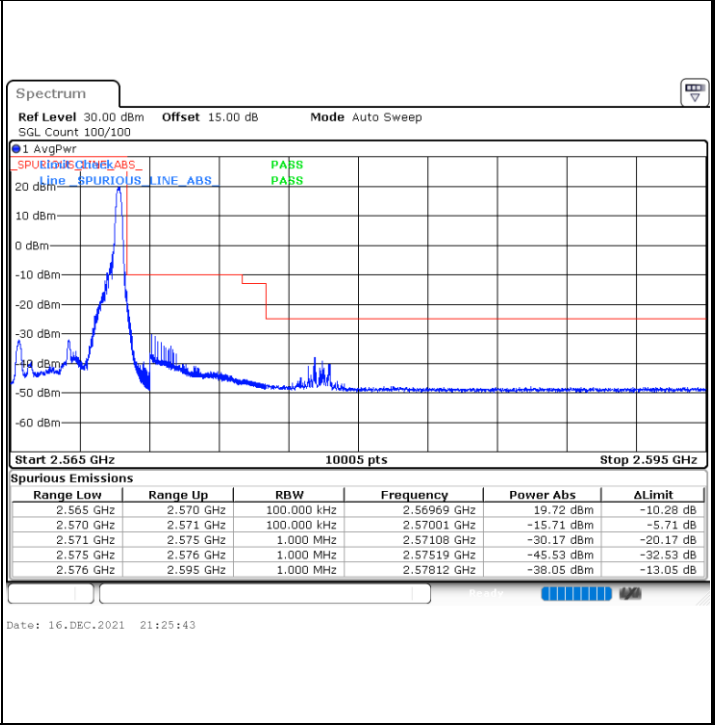


LTE Band 7 / 5MHz / 16QAM

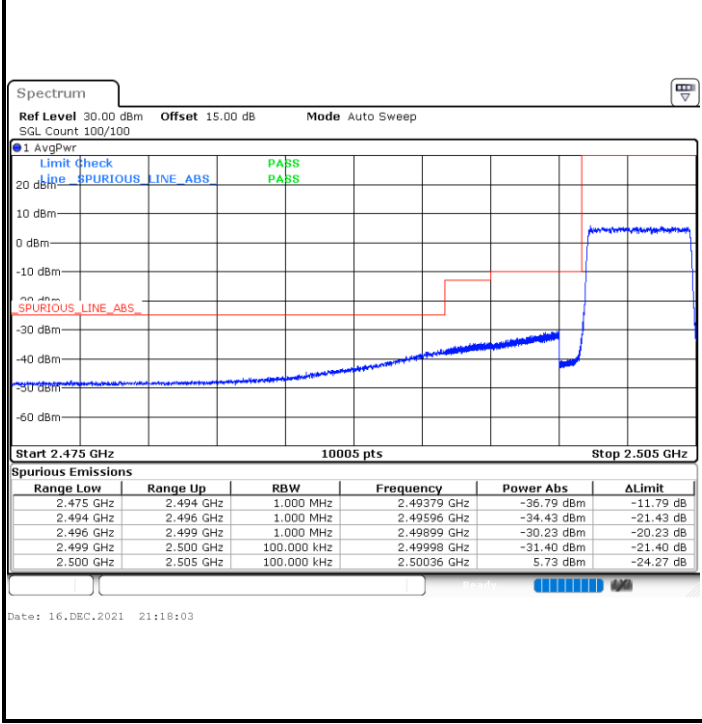
Lowest Band Edge / 1 RB



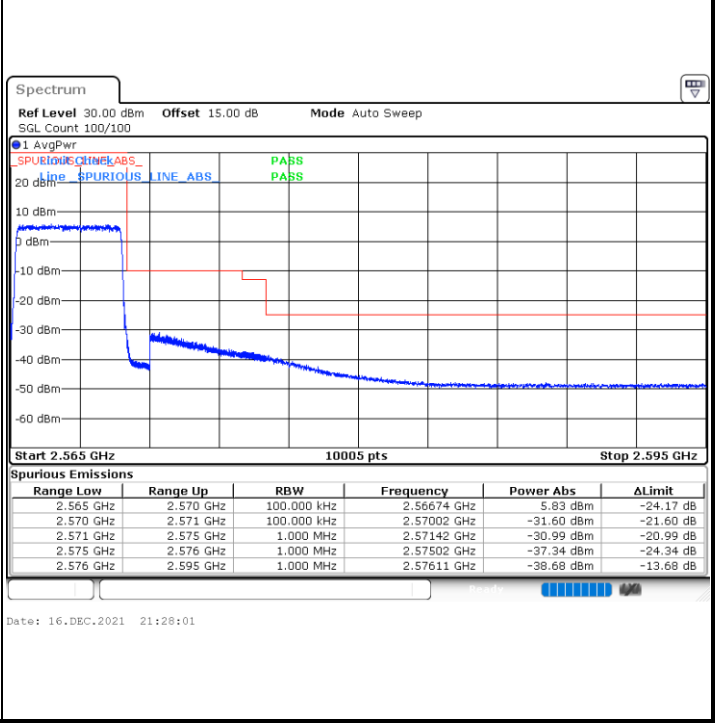
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



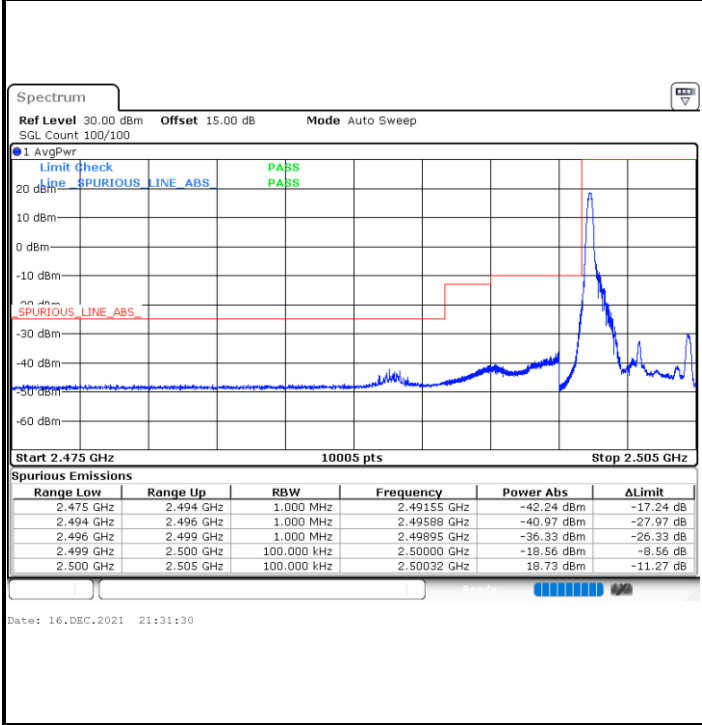
Highest Band Edge / Full RB



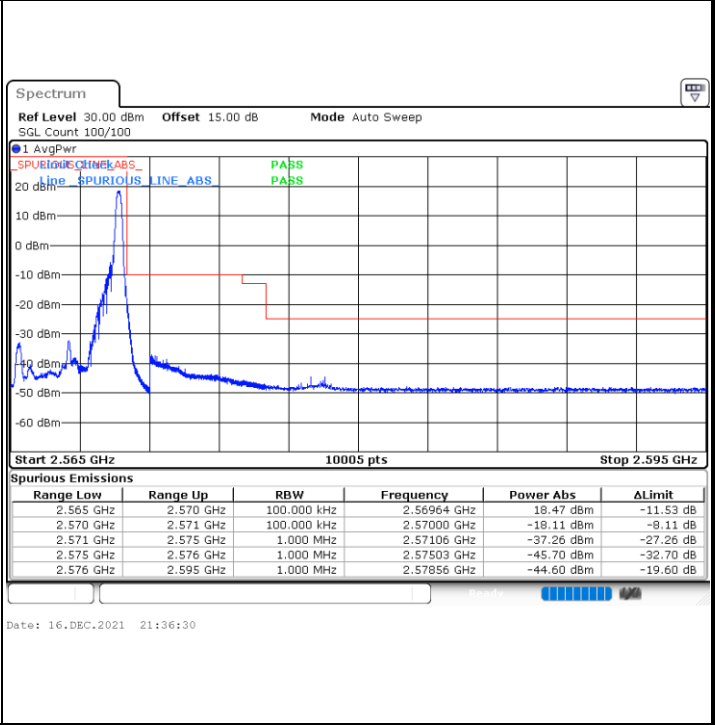


LTE Band 7 / 5MHz / 64QAM

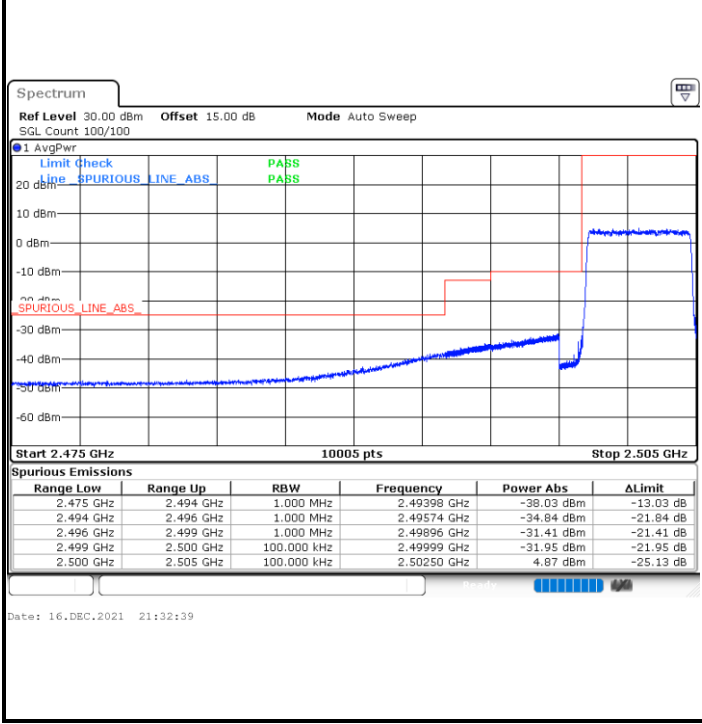
Lowest Band Edge / 1RB



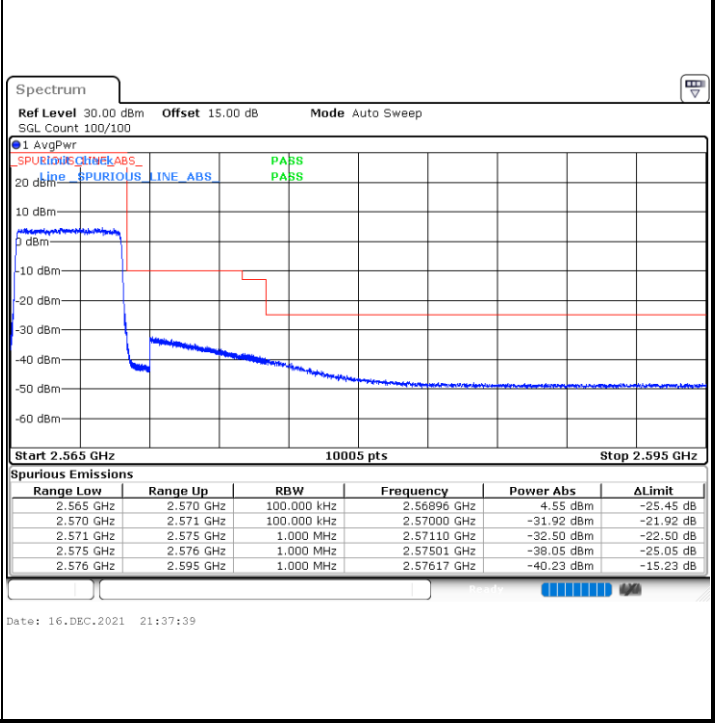
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



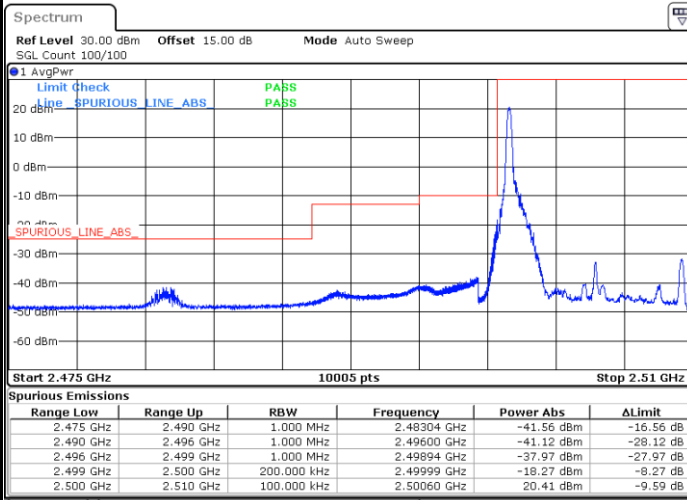
Highest Band Edge / Full RB





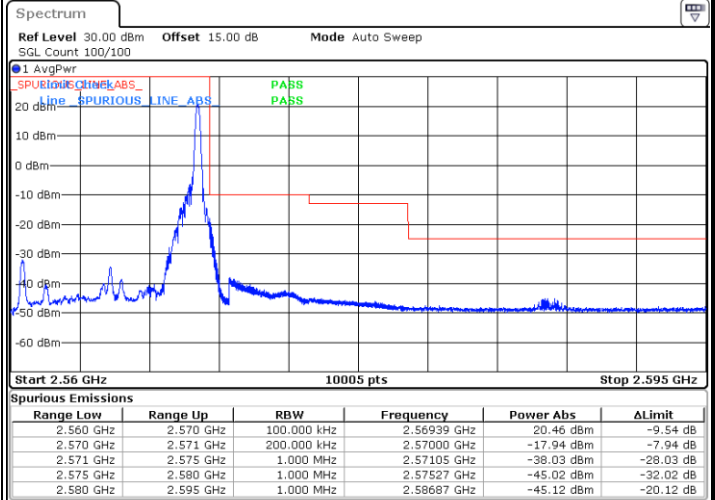
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



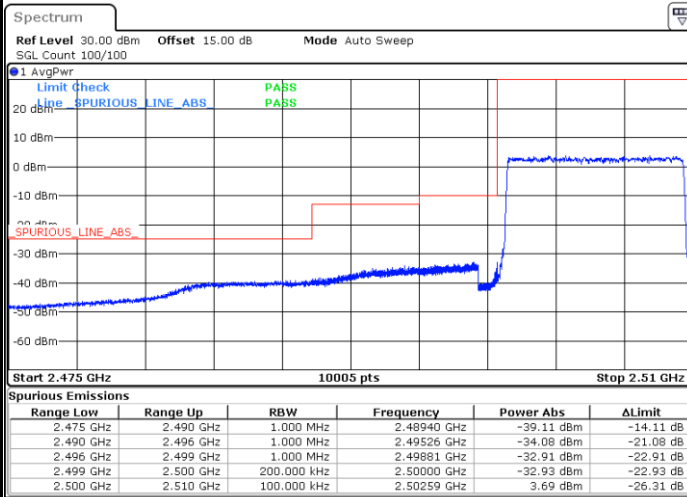
Date: 16.DEC.2021 21:40:30

Highest Band Edge / 1 RB



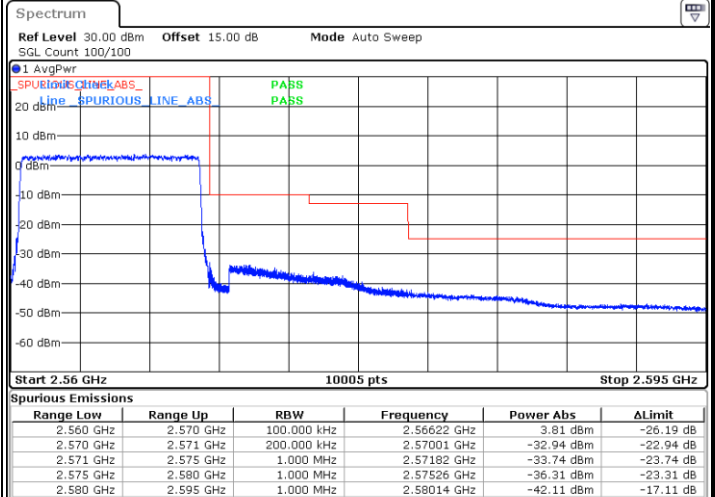
Date: 16.DEC.2021 21:50:29

Lowest Band Edge / Full RB



Date: 16.DEC.2021 21:42:49

Highest Band Edge / Full RB

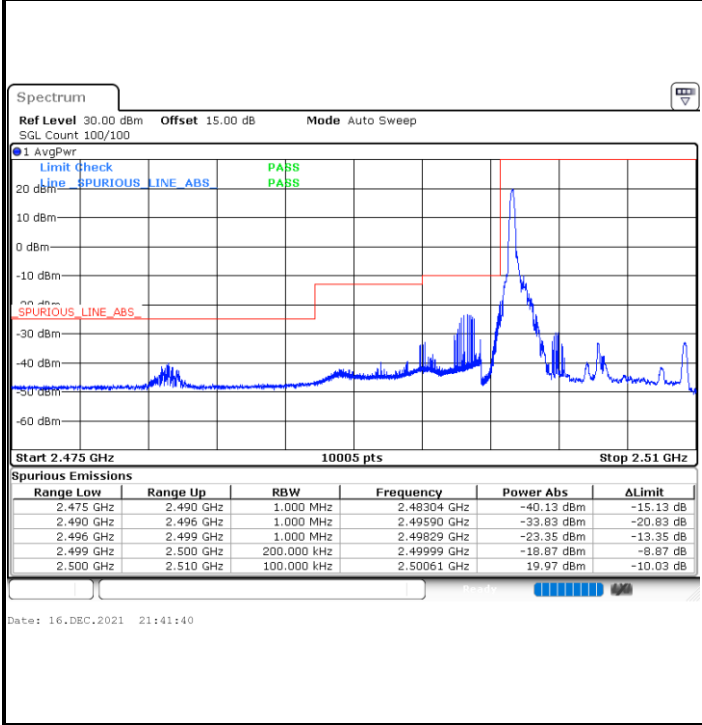


Date: 16.DEC.2021 21:52:47

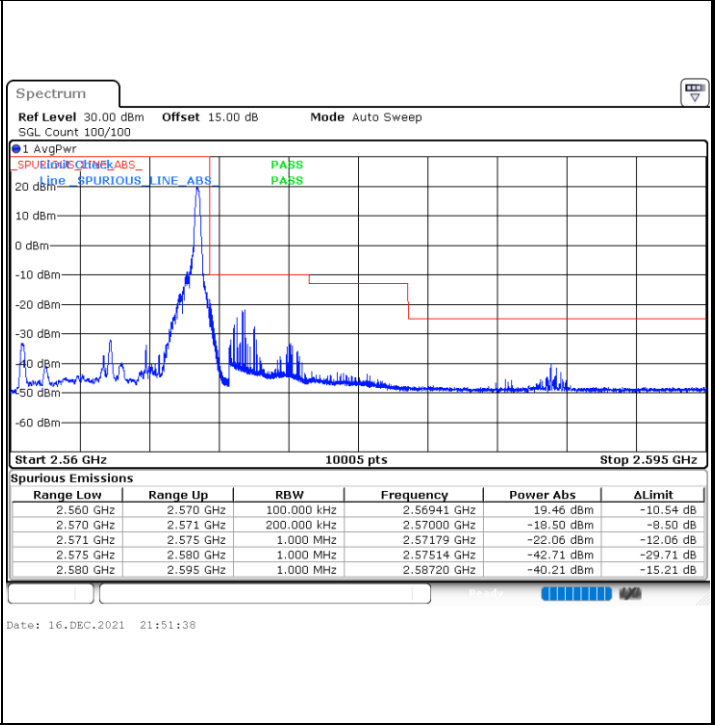


LTE Band 7 / 10MHz / 16QAM

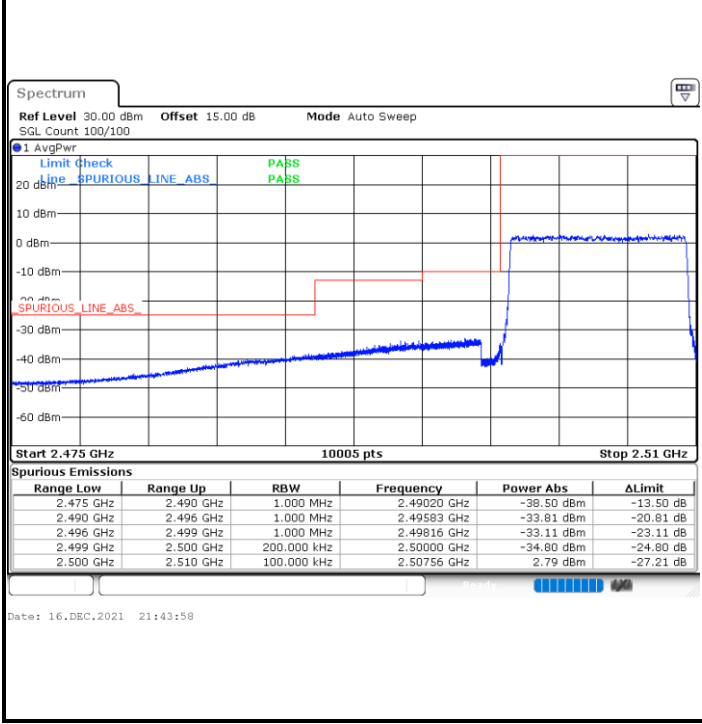
Lowest Band Edge / 1 RB



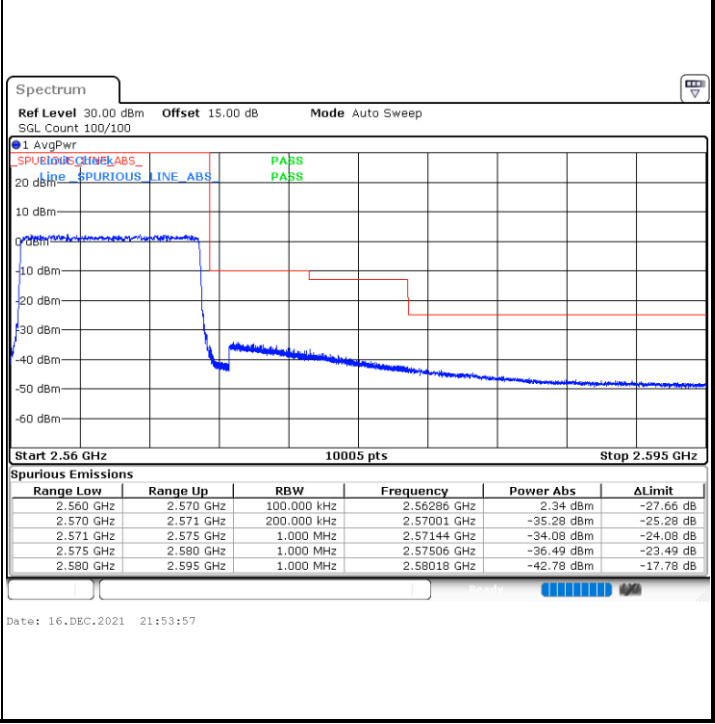
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



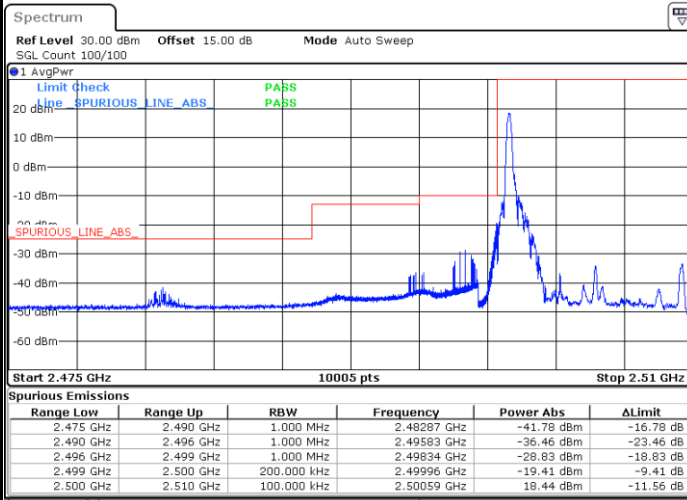
Highest Band Edge / Full RB





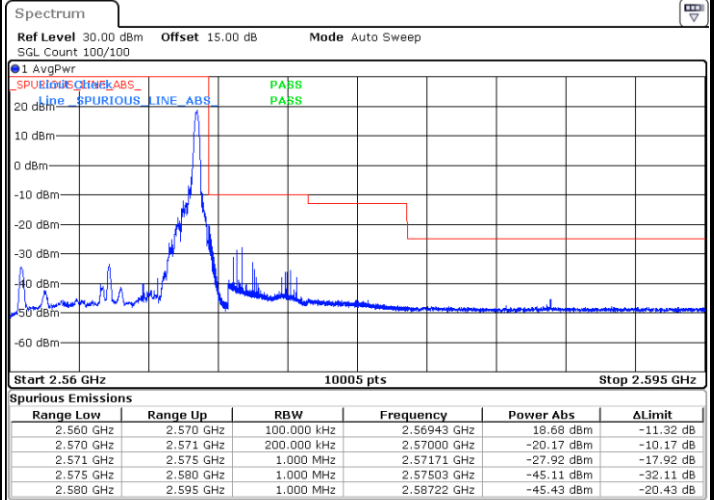
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



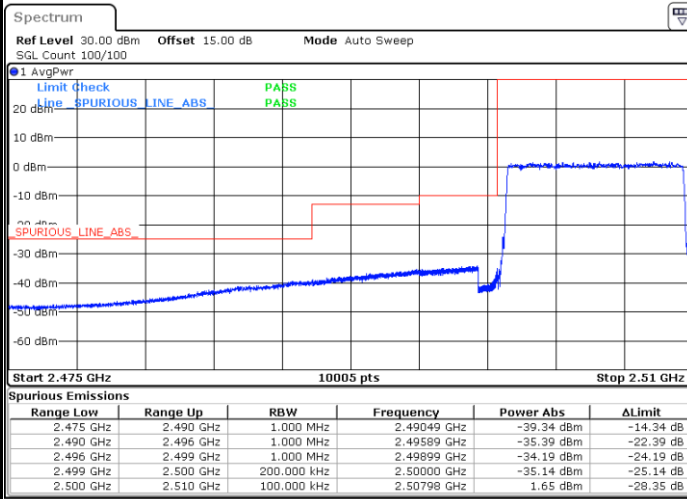
Date: 16.DEC.2021 21:57:25

Highest Band Edge / 1 RB



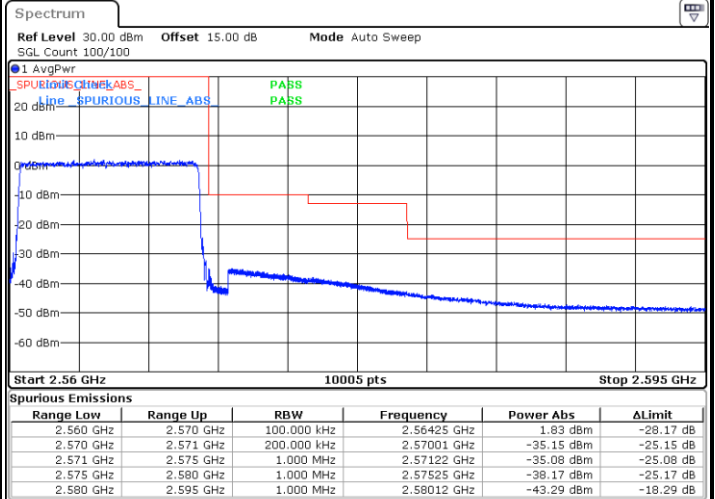
Date: 16.DEC.2021 22:02:24

Lowest Band Edge / Full RB



Date: 16.DEC.2021 21:58:34

Highest Band Edge / Full RB



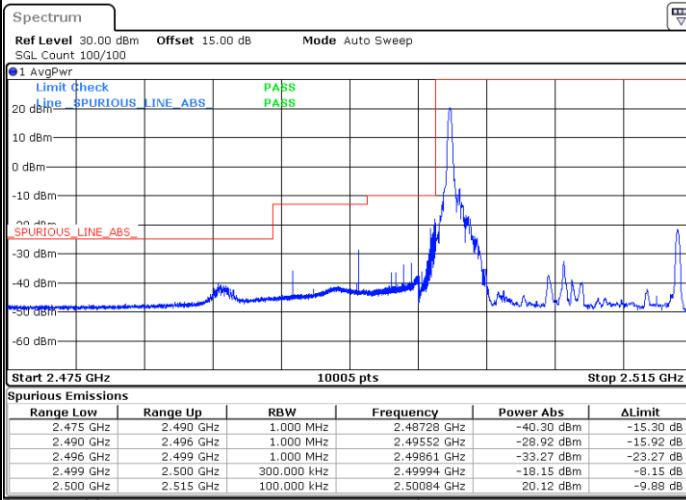
Date: 16.DEC.2021 22:03:33



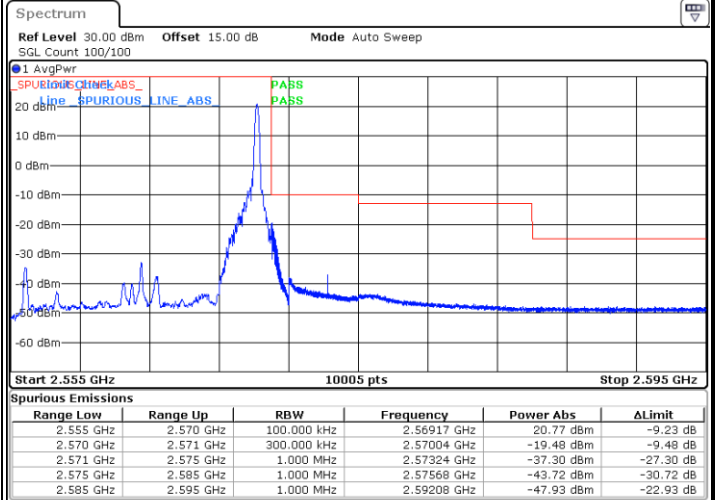
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



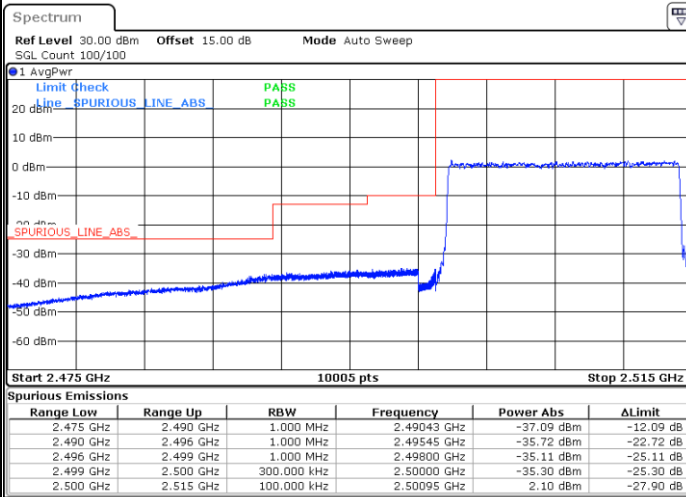
Date: 16.DEC.2021 22:06:25



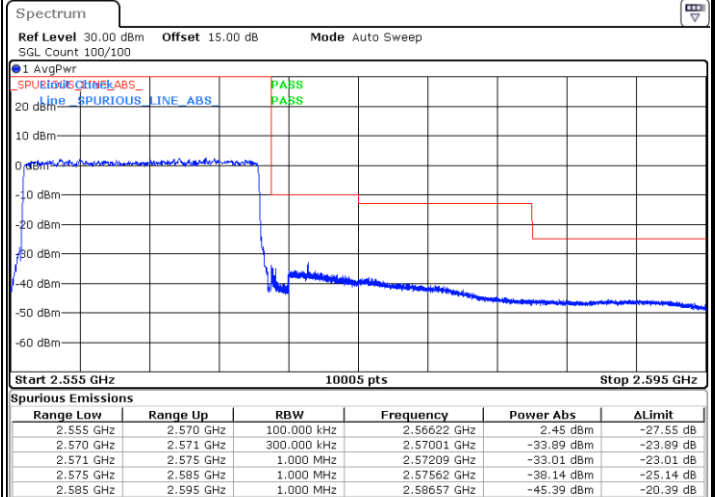
Date: 16.DEC.2021 22:16:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.DEC.2021 22:08:45

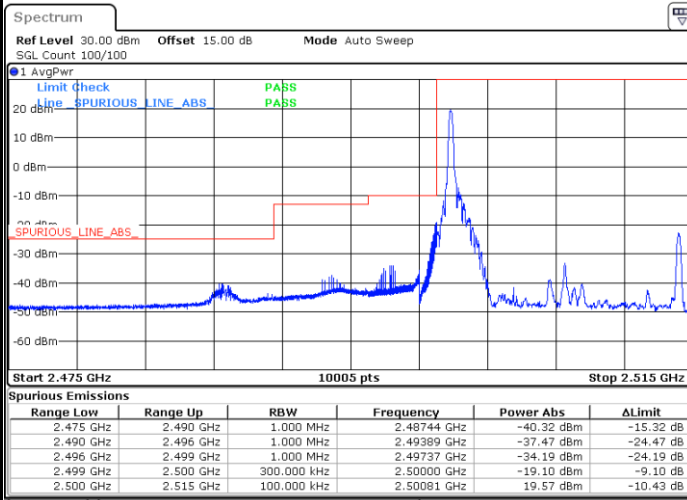


Date: 16.DEC.2021 22:18:43



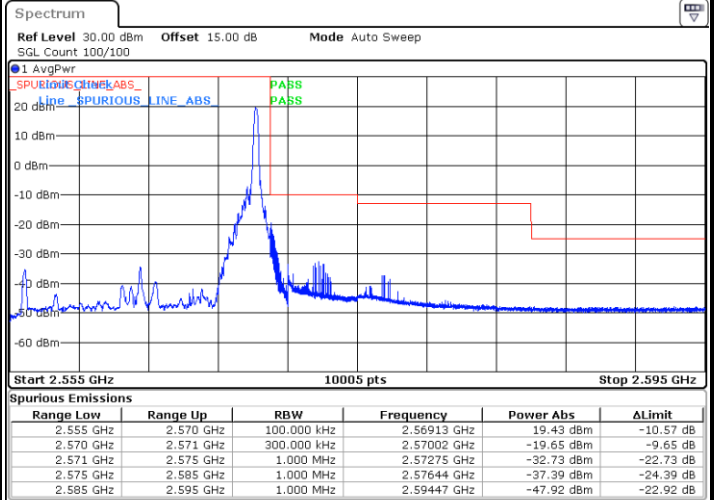
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



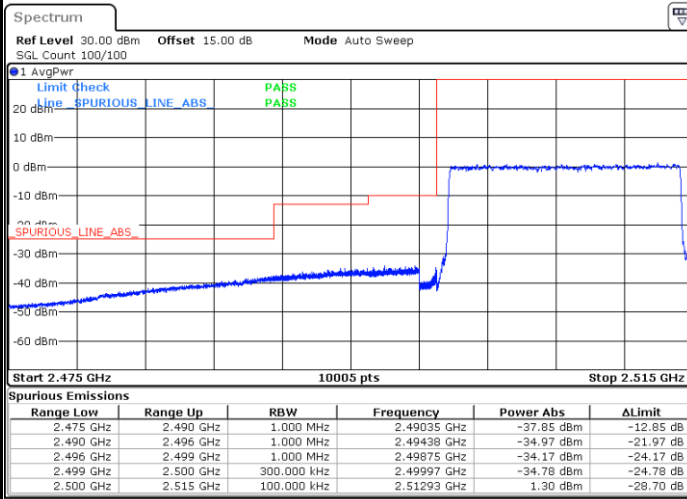
Date: 16.DEC.2021 22:07:35

Highest Band Edge / 1 RB



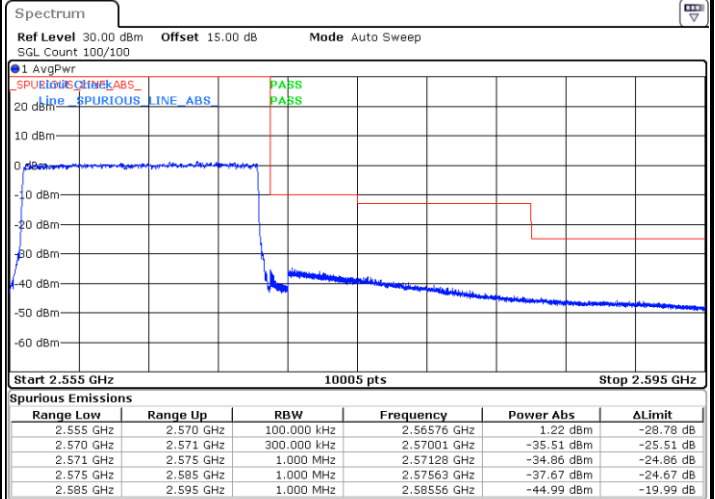
Date: 16.DEC.2021 22:17:34

Lowest Band Edge / Full RB



Date: 16.DEC.2021 22:09:54

Highest Band Edge / Full RB

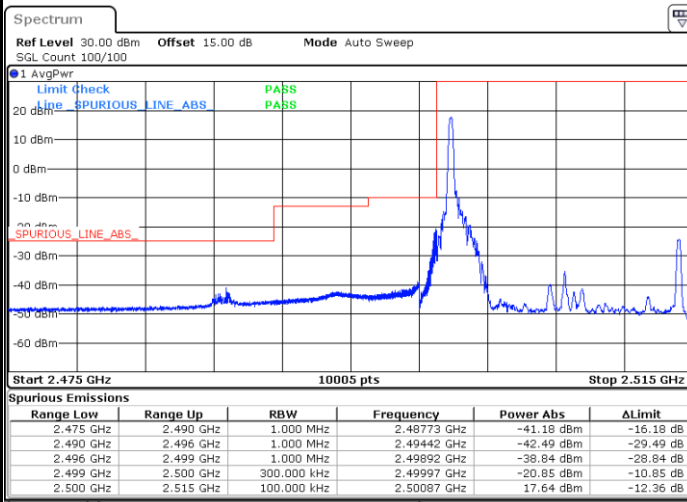


Date: 16.DEC.2021 22:19:53



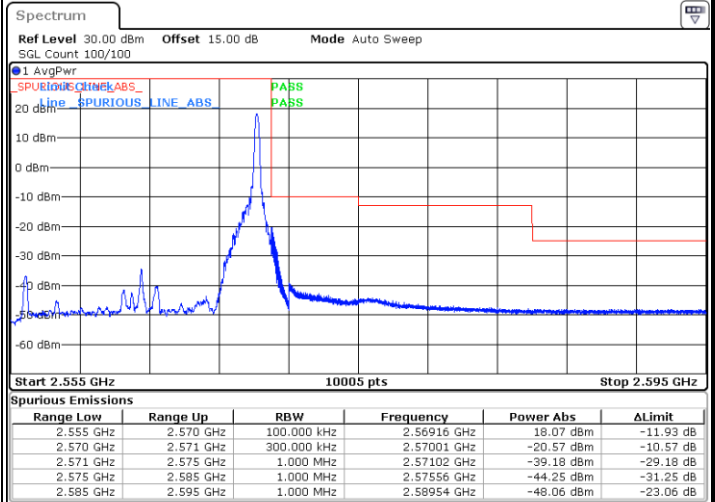
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



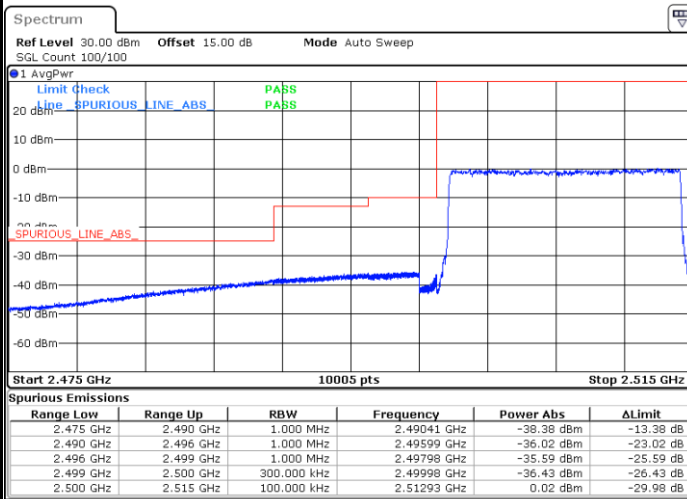
Date: 16.DEC.2021 22:23:21

Highest Band Edge / 1 RB



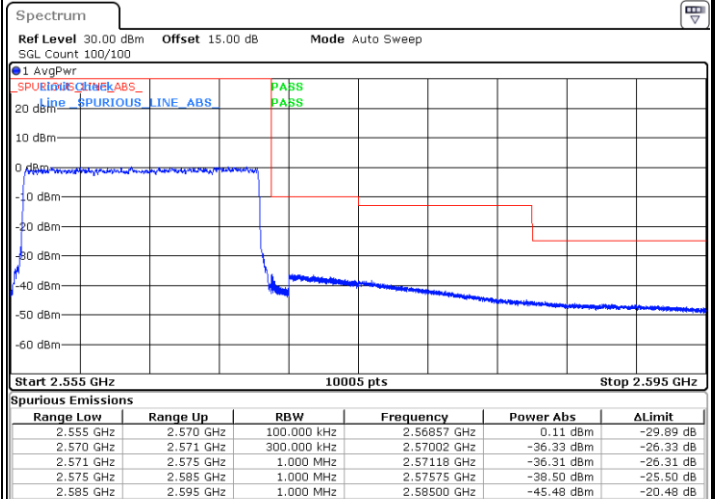
Date: 16.DEC.2021 22:28:21

Lowest Band Edge / Full RB



Date: 16.DEC.2021 22:24:31

Highest Band Edge / Full RB



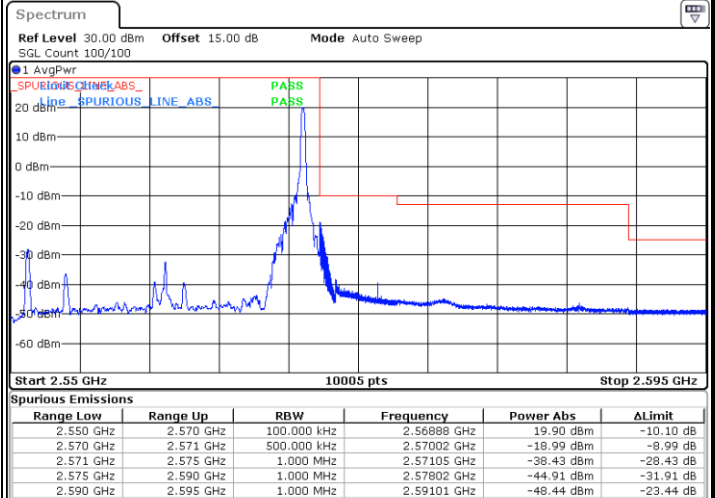
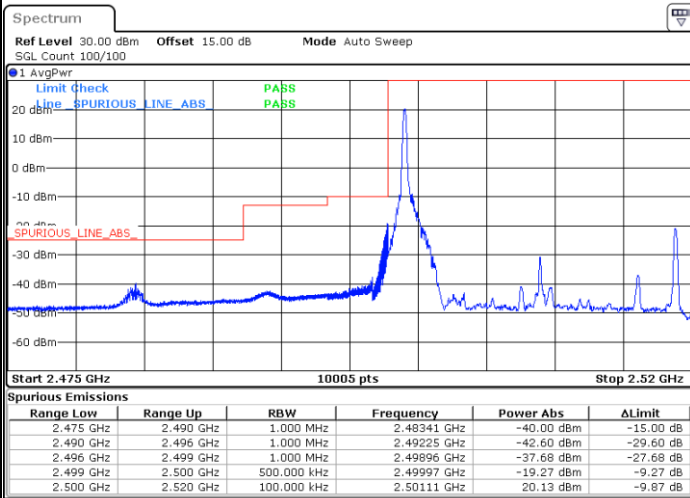
Date: 16.DEC.2021 22:29:30



LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

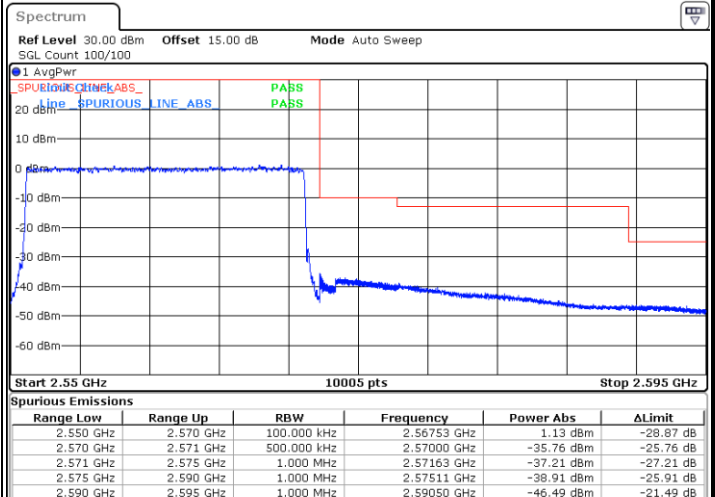
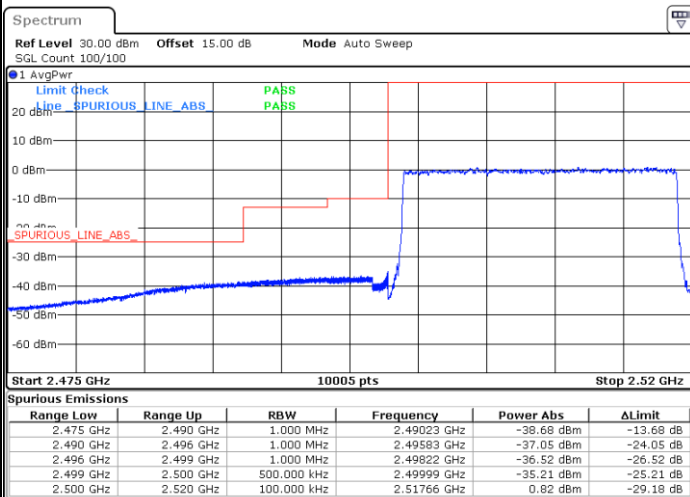


Date: 16.DEC.2021 22:32:22

Date: 16.DEC.2021 22:42:22

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



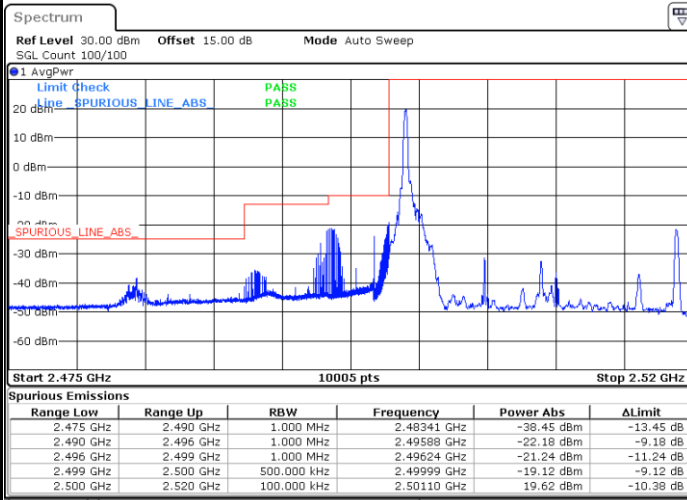
Date: 16.DEC.2021 22:34:42

Date: 16.DEC.2021 22:45:50



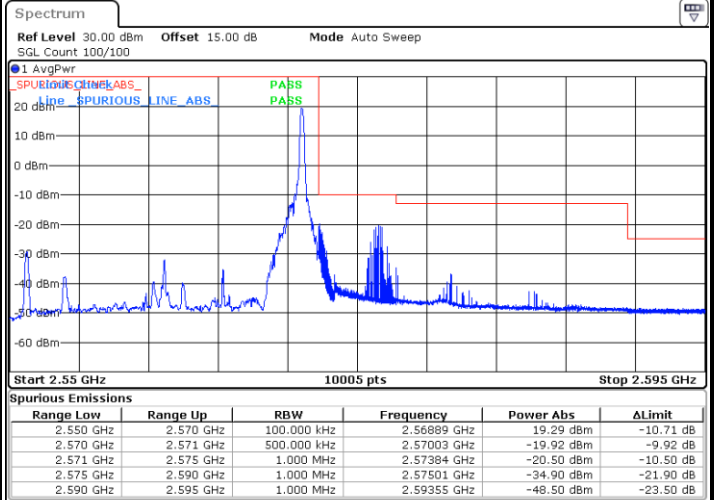
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



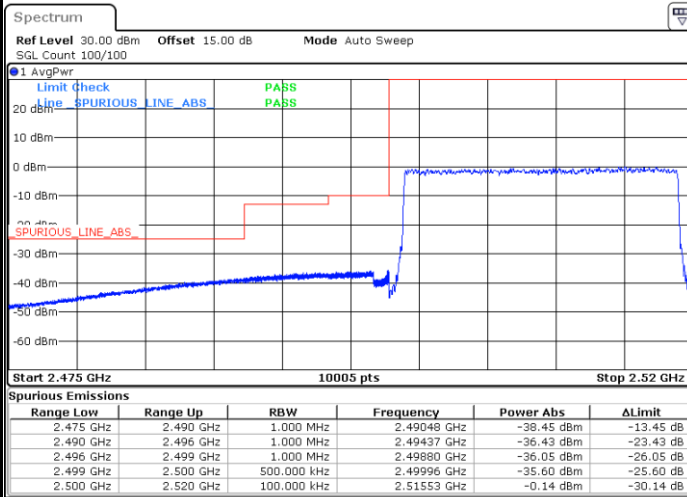
Date: 16.DEC.2021 22:33:32

Highest Band Edge / 1RB



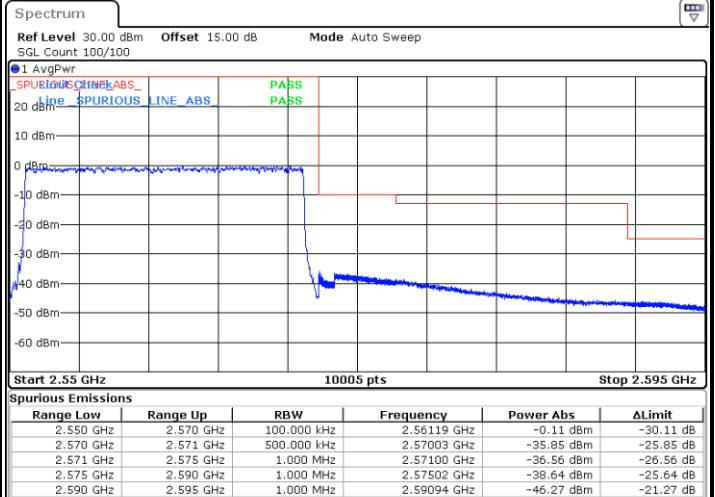
Date: 16.DEC.2021 22:43:31

Lowest Band Edge / Full RB



Date: 16.DEC.2021 22:35:51

Highest Band Edge / Full RB

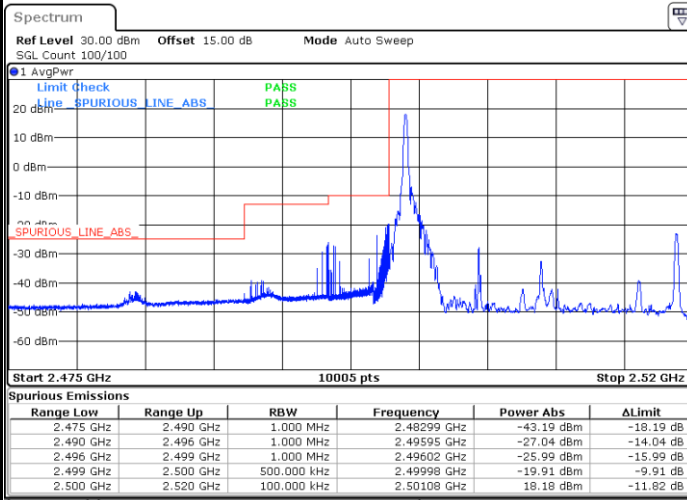


Date: 16.DEC.2021 22:44:41



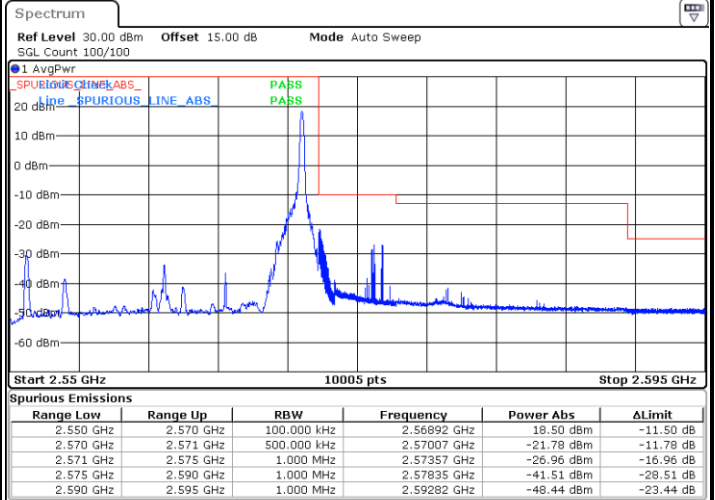
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



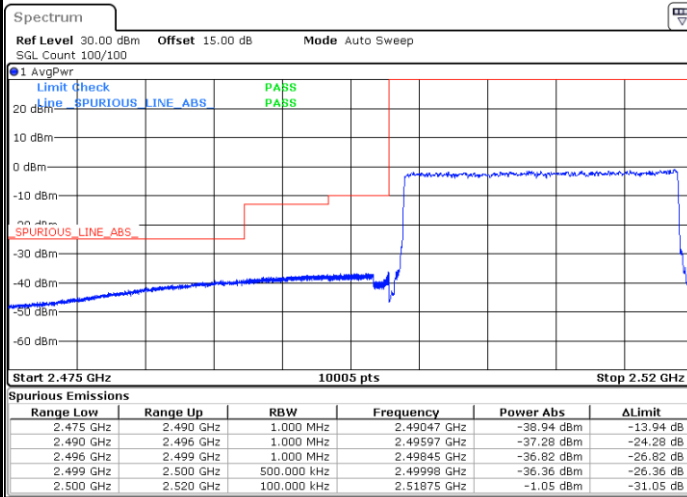
Date: 16.DEC.2021 22:49:18

Highest Band Edge / 1 RB



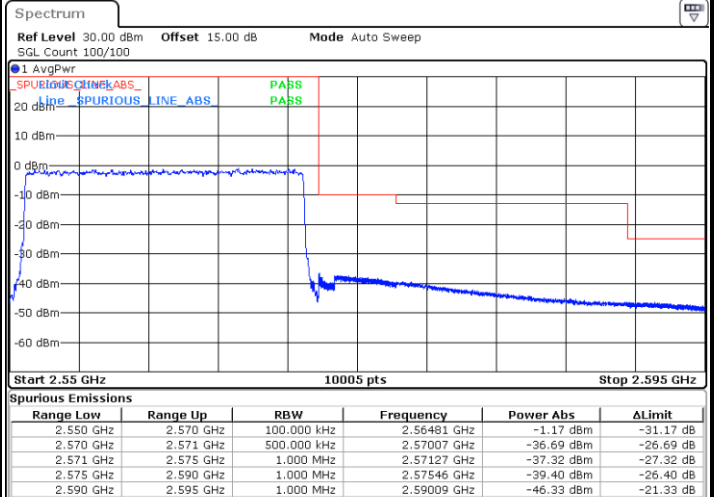
Date: 16.DEC.2021 22:54:18

Lowest Band Edge / Full RB



Date: 16.DEC.2021 22:50:28

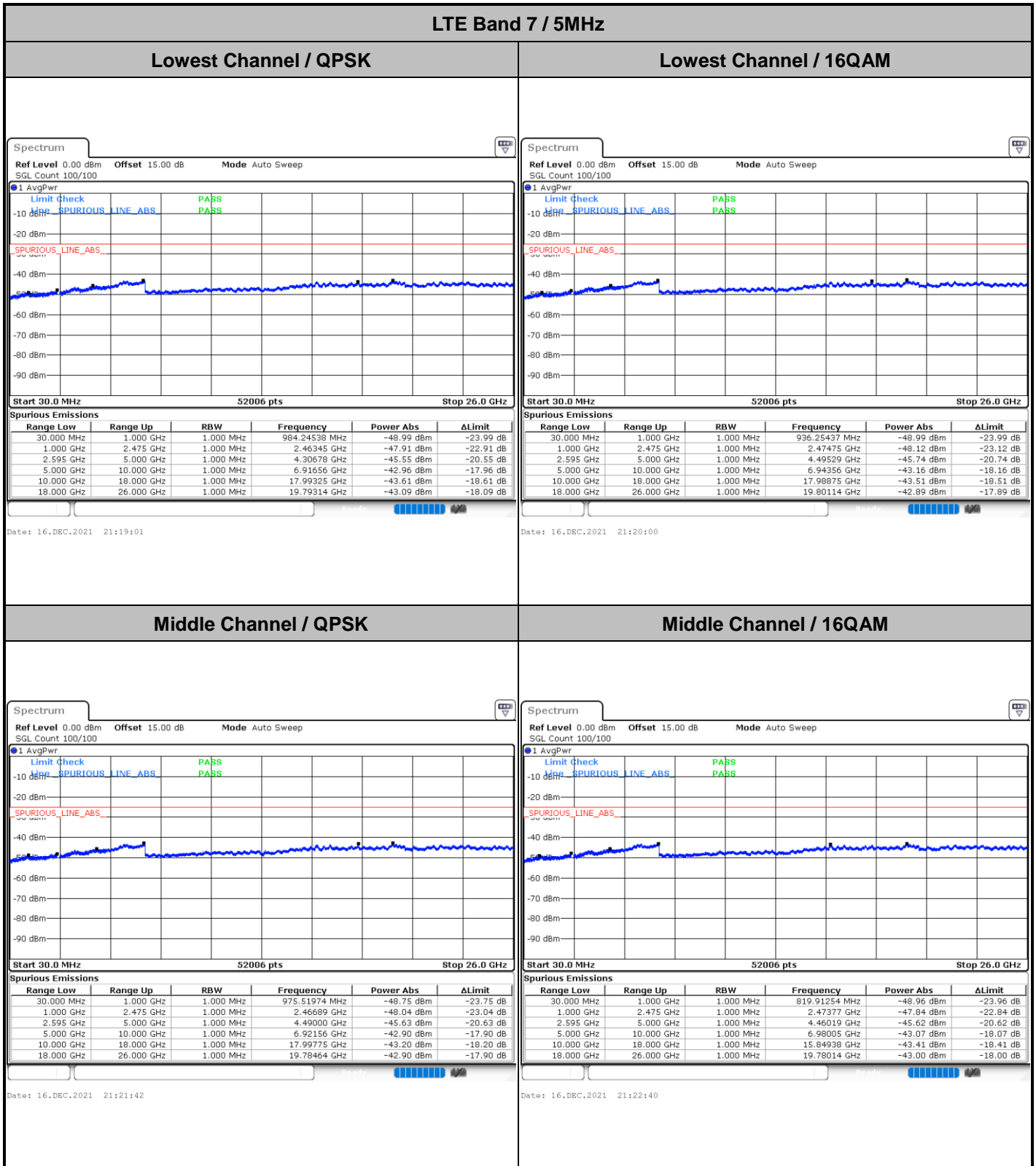
Highest Band Edge / Full RB



Date: 16.DEC.2021 22:55:27



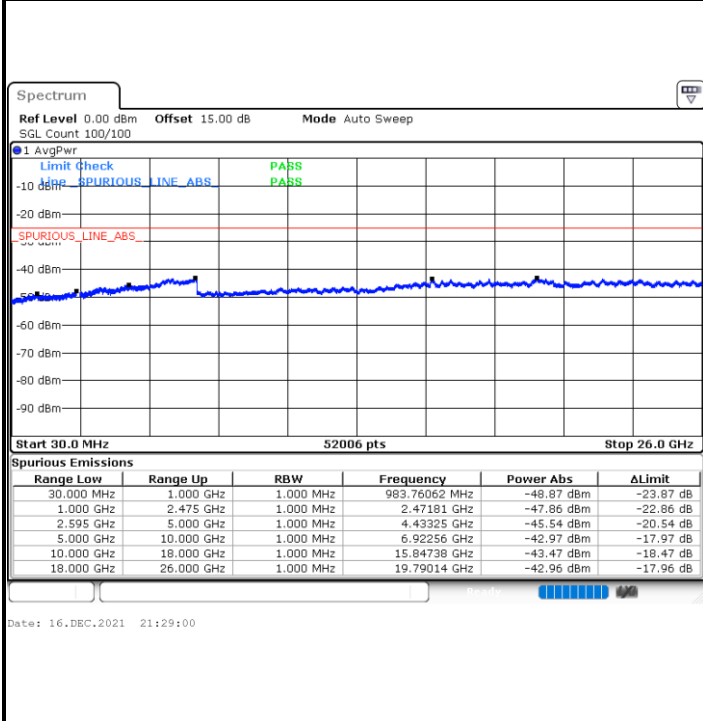
Conducted Spurious Emission



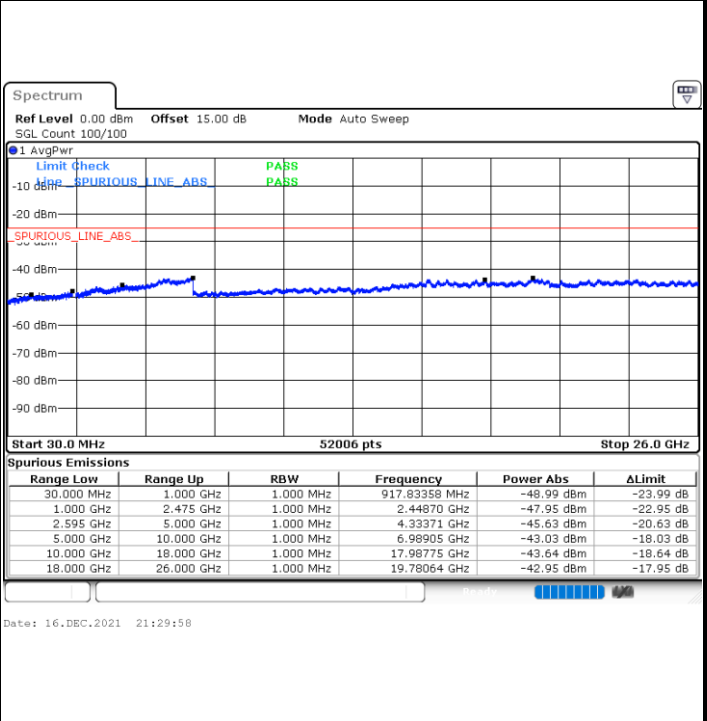


LTE Band 7 / 5MHz

Highest Channel / QPSK

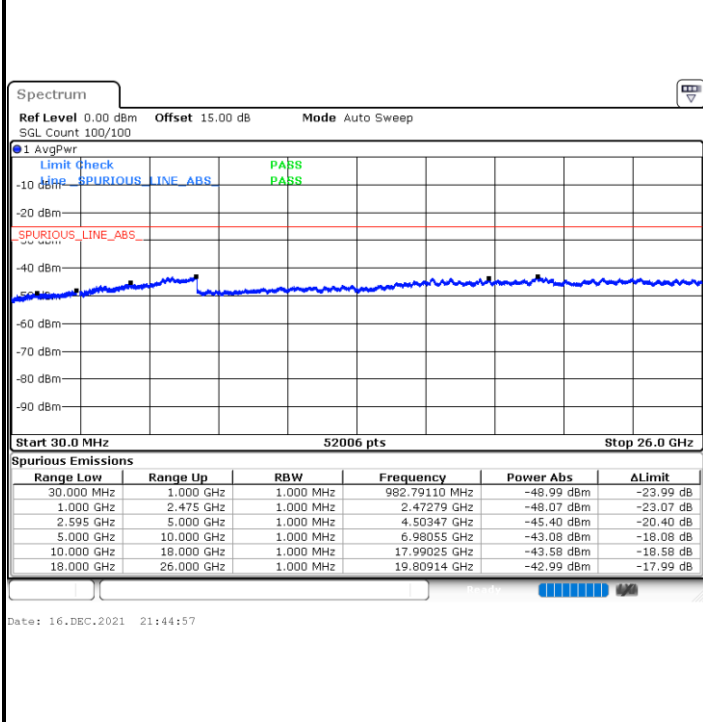


Highest Channel / 16QAM

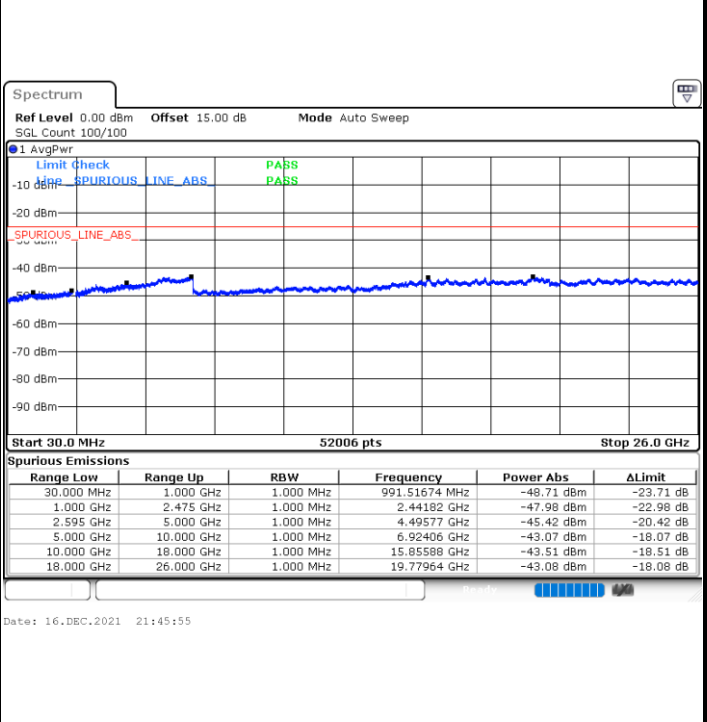


LTE Band 7 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

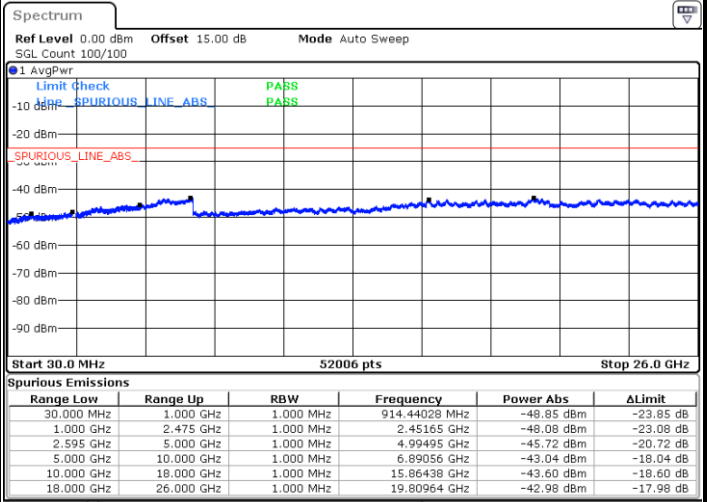
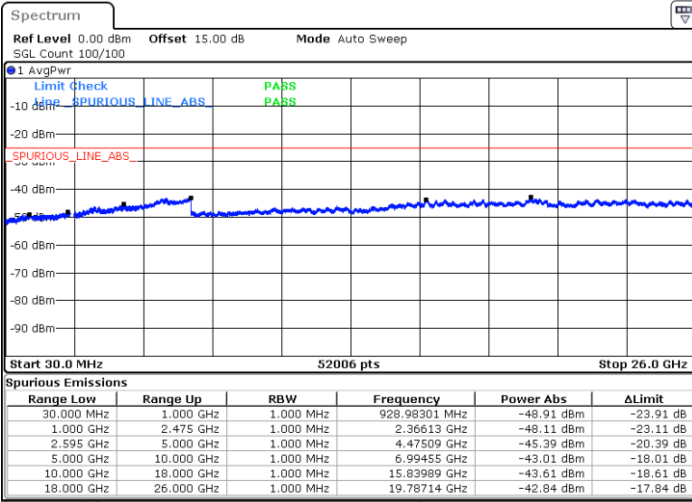




LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

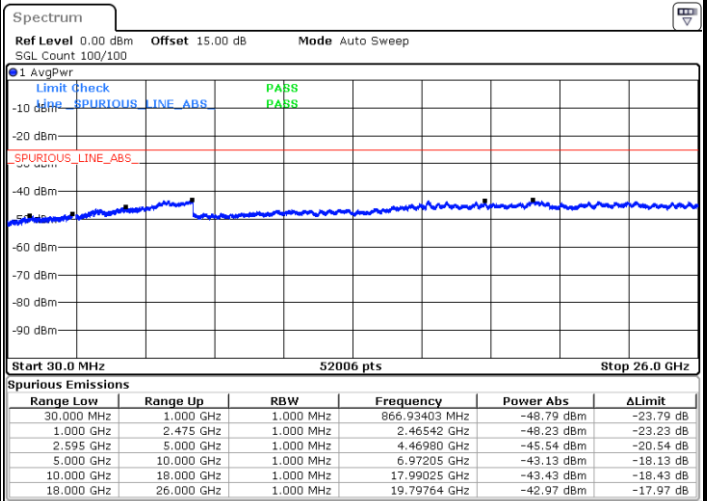
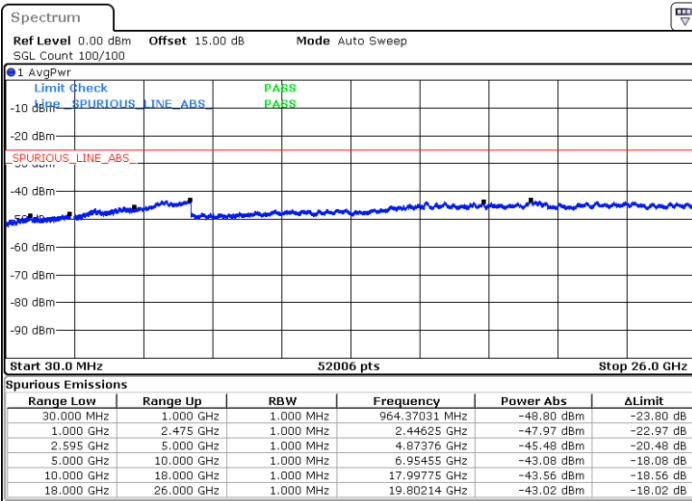


Date: 16.DEC.2021 21:47:38

Date: 16.DEC.2021 21:48:36

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16.DEC.2021 21:54:55

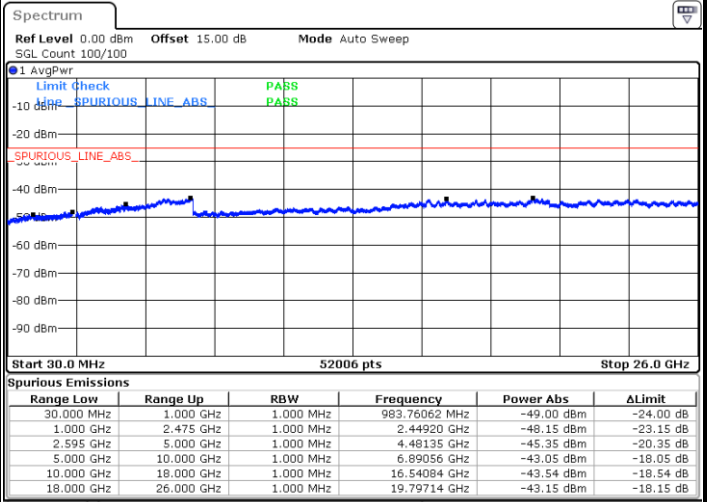
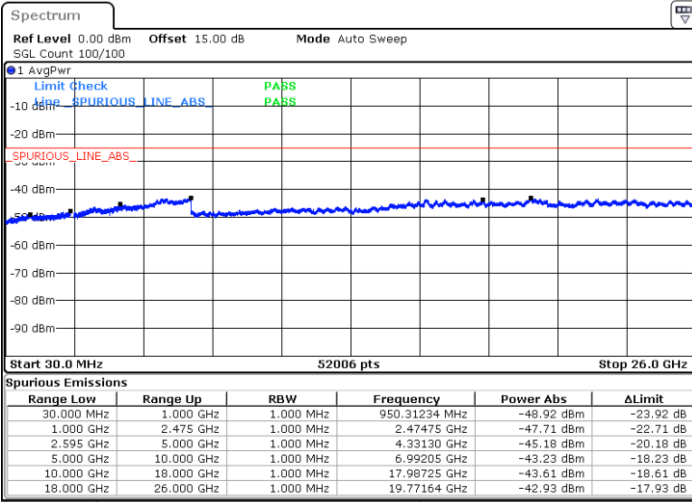
Date: 16.DEC.2021 21:55:54



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

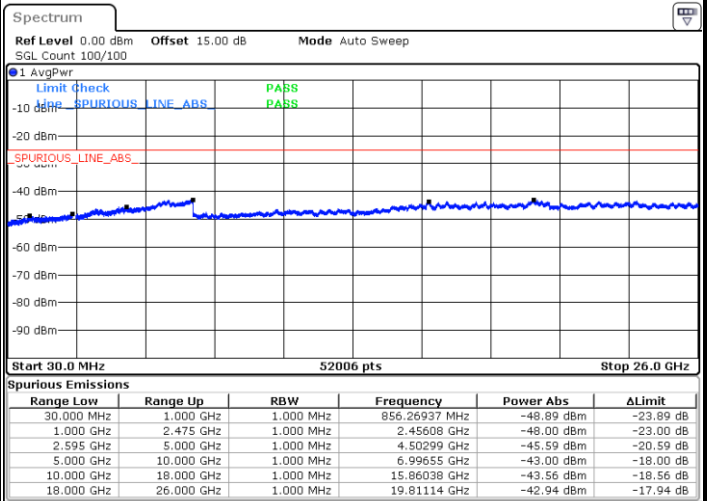
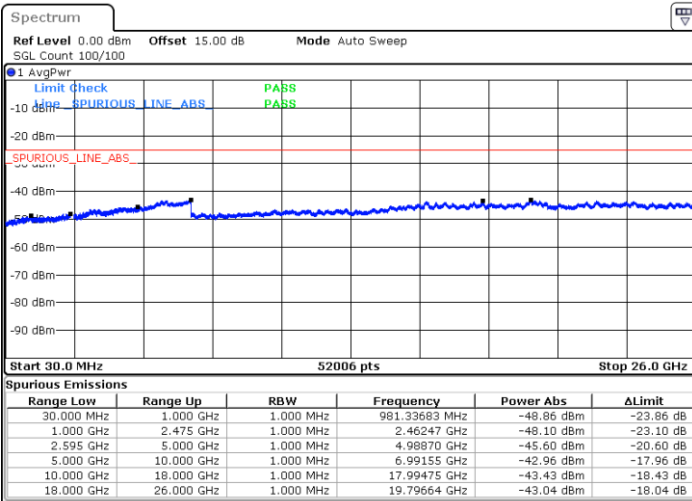


Date: 16.DEC.2021 22:10:53

Date: 16.DEC.2021 22:11:51

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 16.DEC.2021 22:13:34

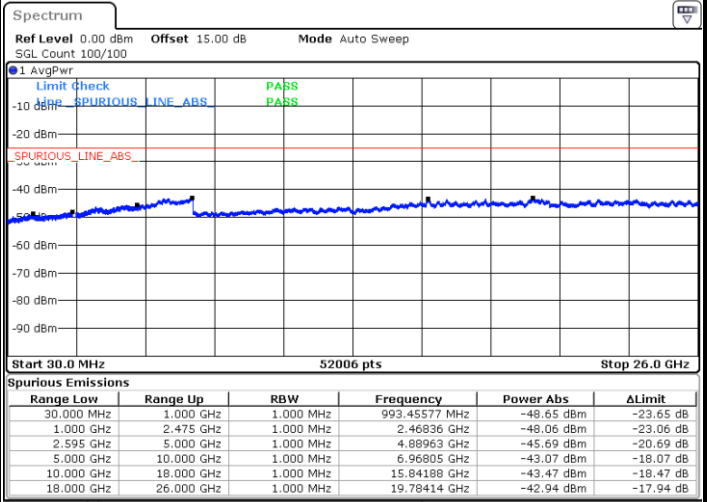
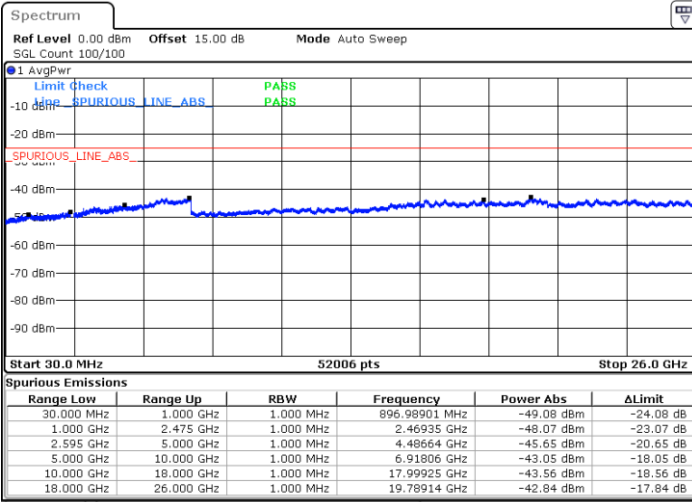
Date: 16.DEC.2021 22:14:32



LTE Band7 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



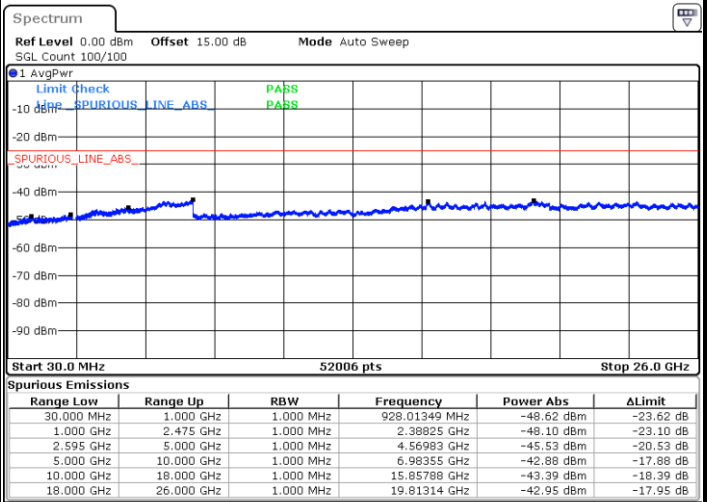
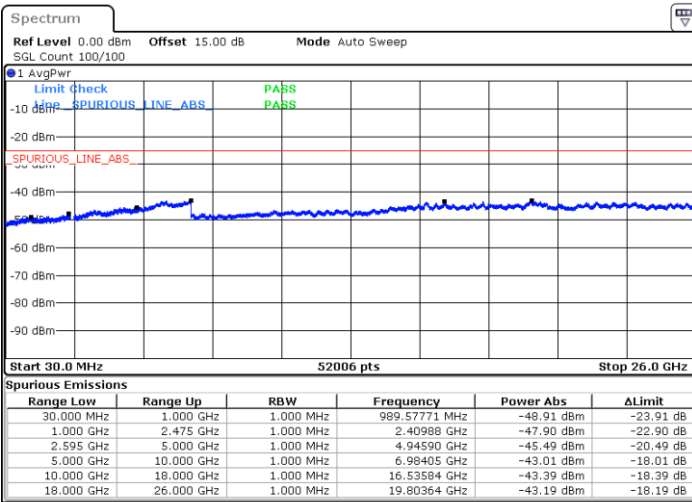
Date: 16.DEC.2021 22:20:52

Date: 16.DEC.2021 22:21:50

LTE Band 7 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 16.DEC.2021 22:36:50

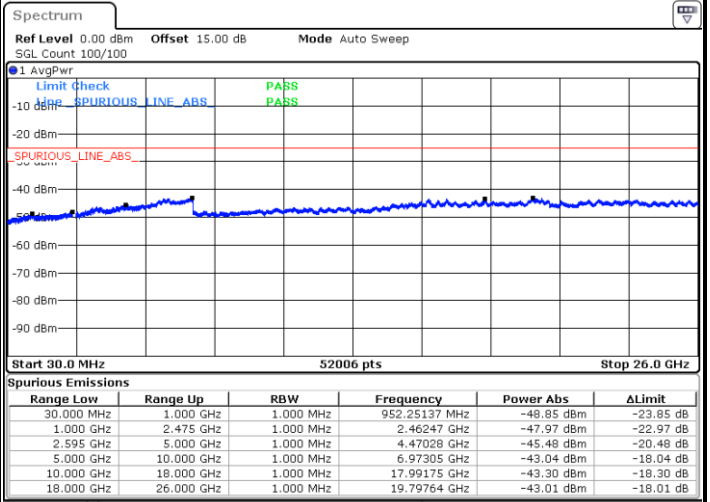
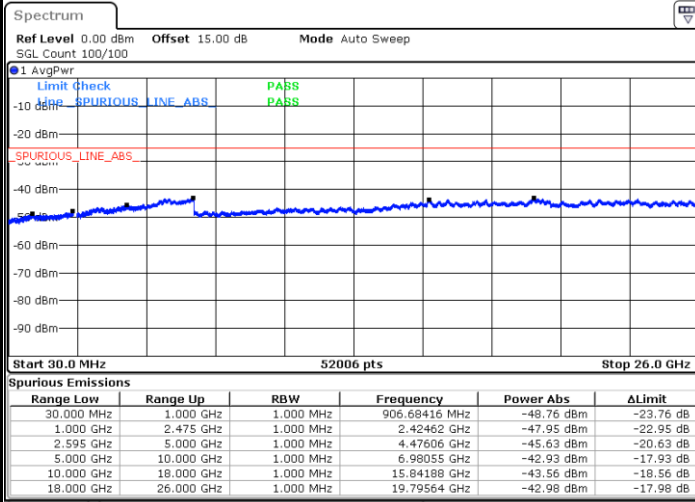
Date: 16.DEC.2021 22:37:48



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

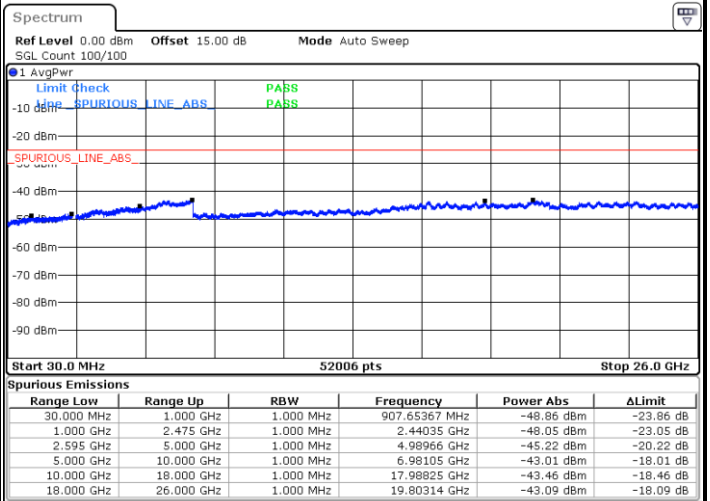
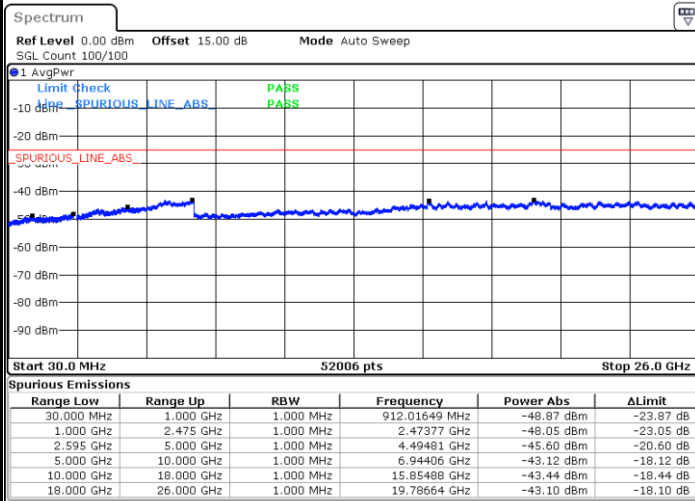


Date: 16.DEC.2021 22:39:31

Date: 16.DEC.2021 22:40:29

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16.DEC.2021 22:46:49

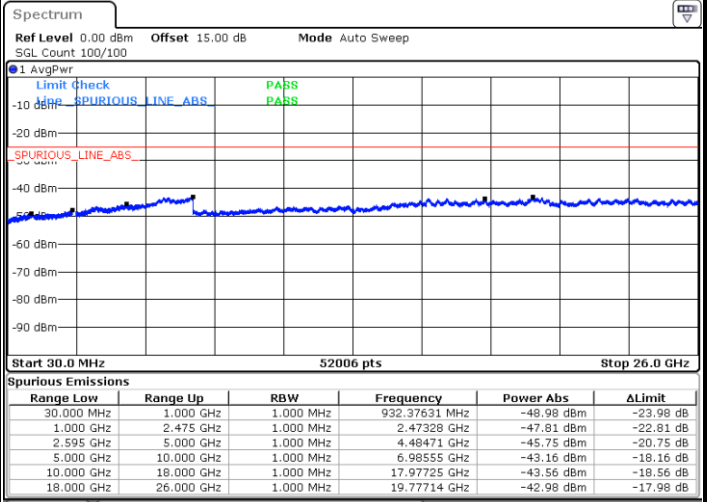
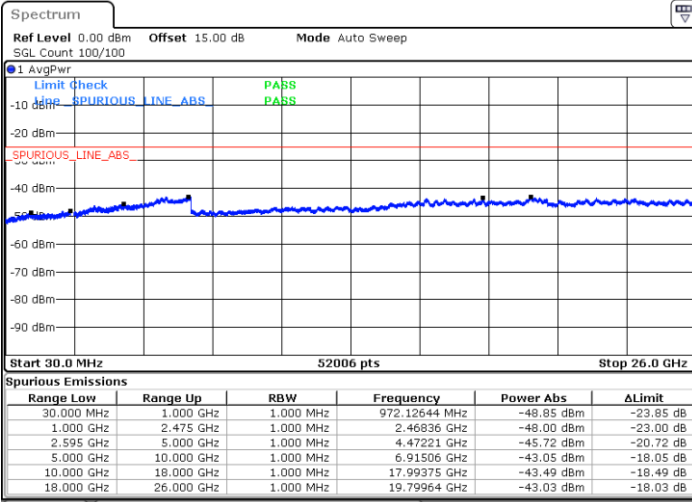
Date: 16.DEC.2021 22:47:47



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

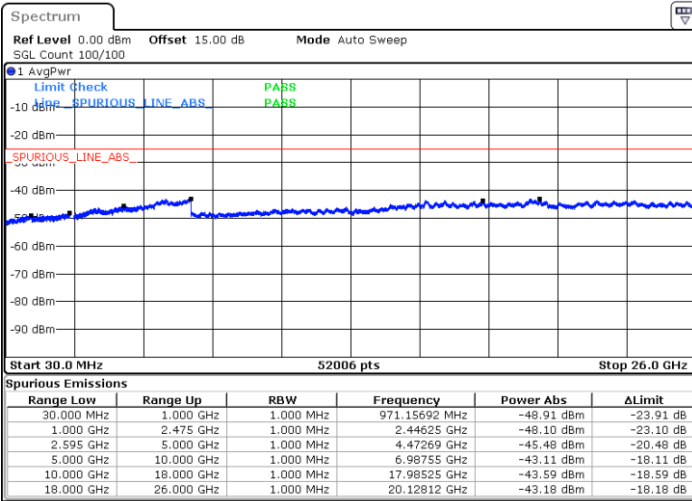


Date: 16.DEC.2021 21:33:38

Date: 16.DEC.2021 21:34:59

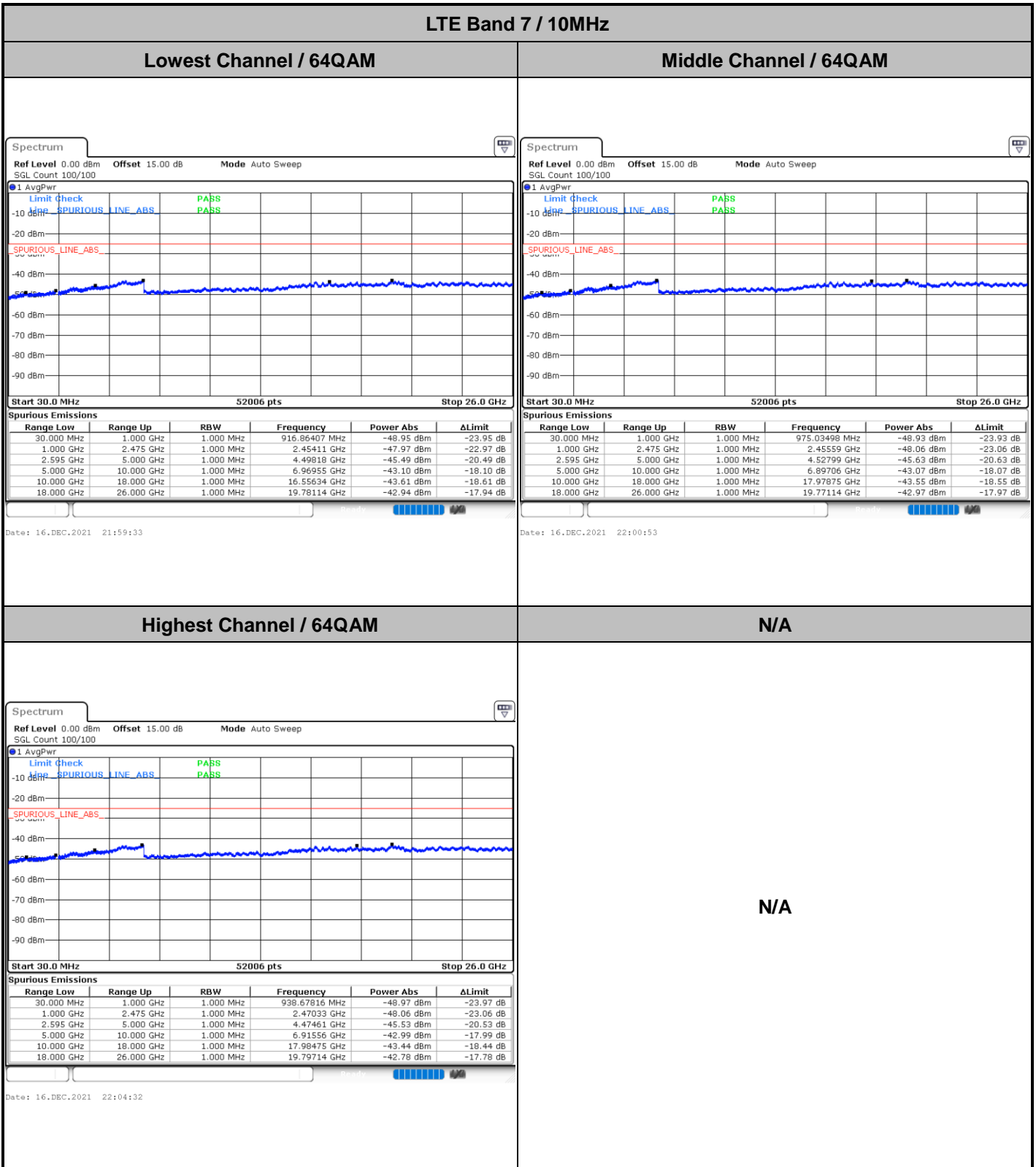
Highest Channel / 64QAM

N/A



Date: 16.DEC.2021 21:38:38

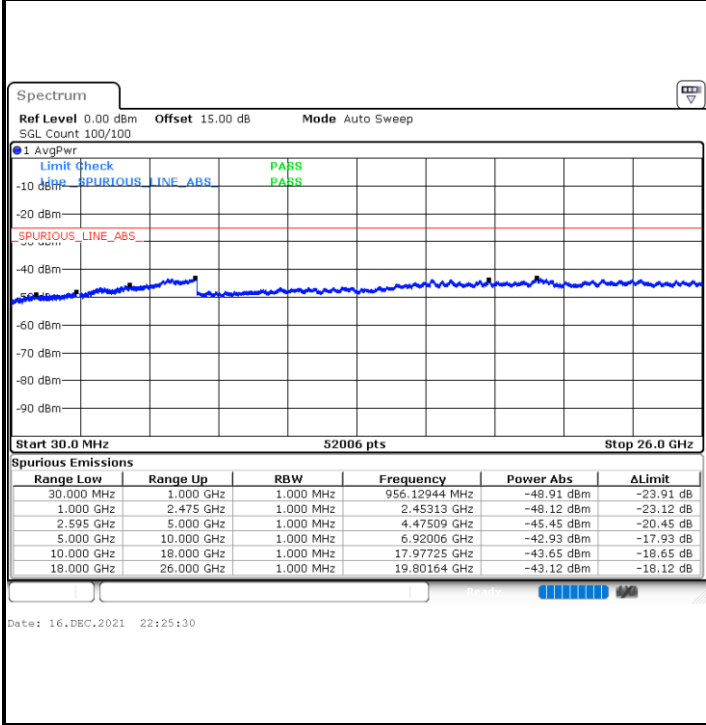
N/A



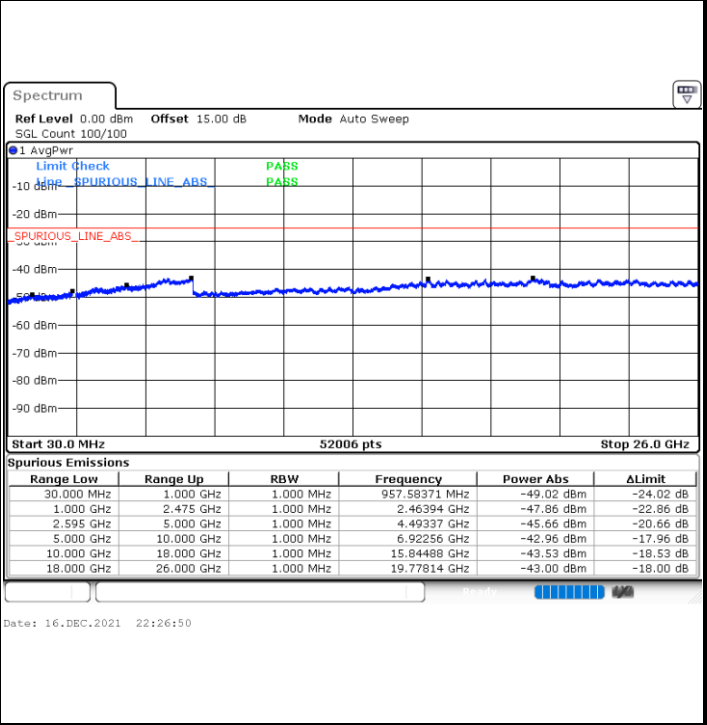


LTE Band 7 / 15MHz

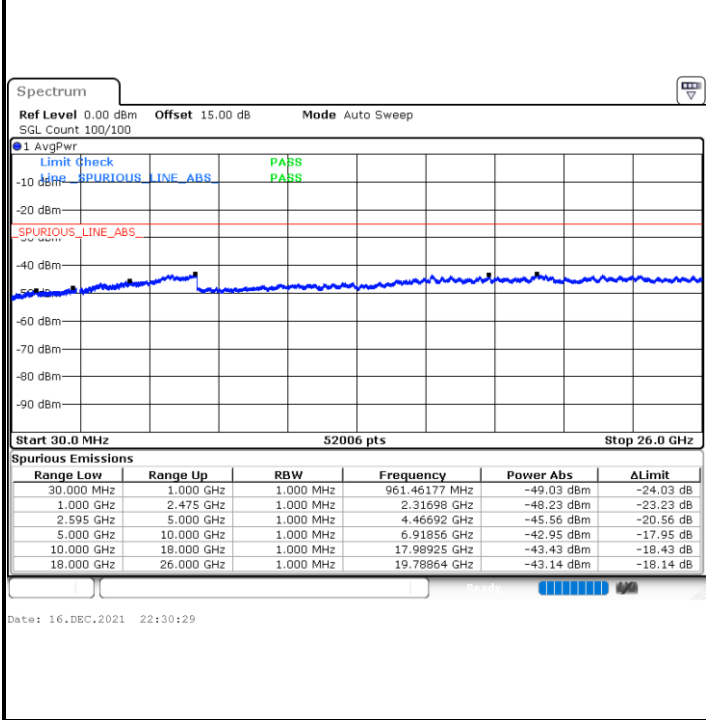
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM



N/A

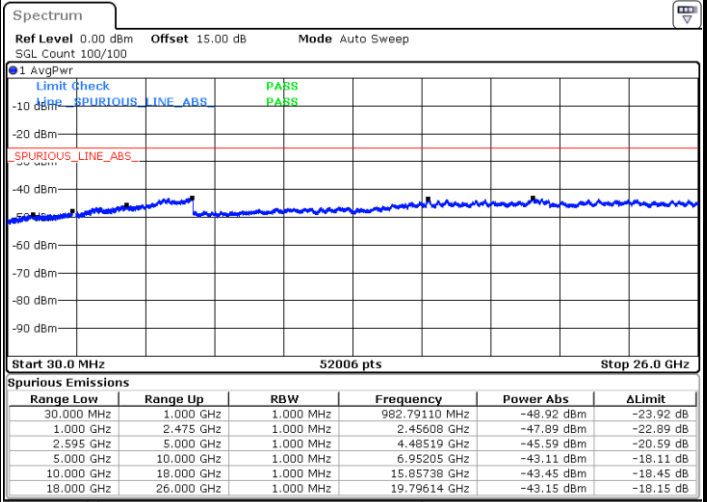
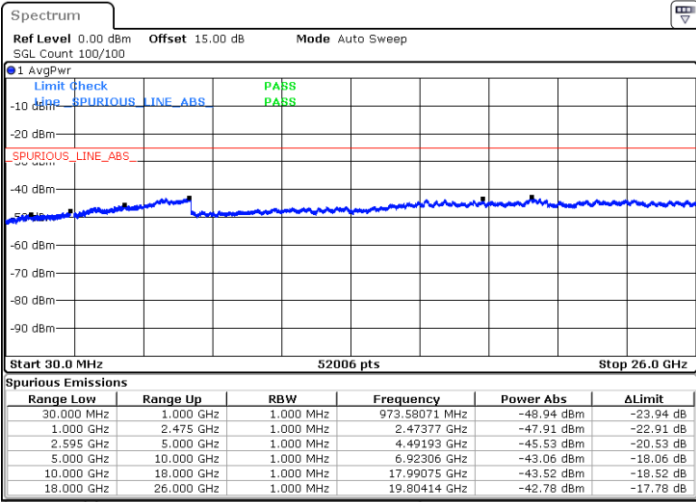
N/A



LTE Band 7 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

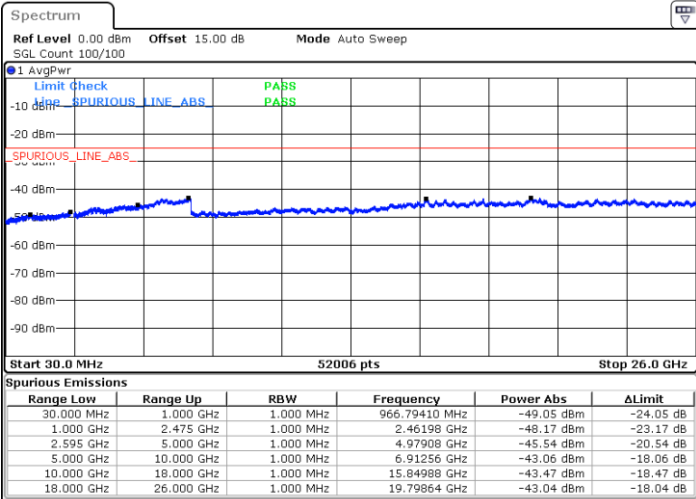


Date: 16.DEC.2021 22:51:27

Date: 16.DEC.2021 22:52:47

Highest Channel / 64QAM

N/A



Date: 16.DEC.2021 22:56:26

N/A



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	0.0012	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
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 13

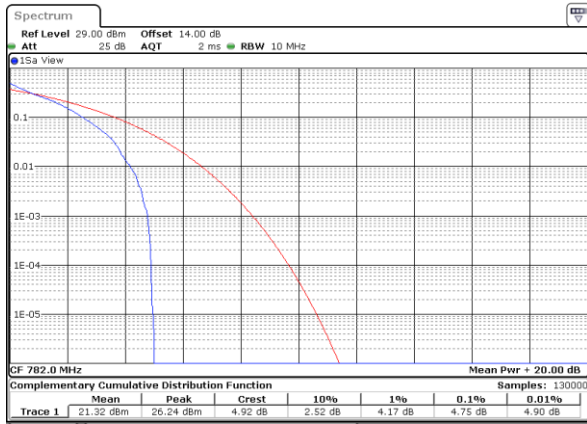
Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.75	5.36	5.97	6.12	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	6.75	6.35	-	-	
Highest CH	-	-	-	-	



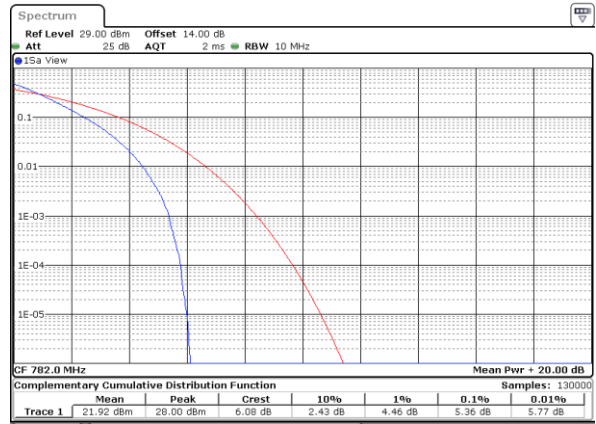
LTE Band 13 / 10MHz / QPSK

Middle Channel / 1RB



Date: 17_DEC.2021 00:47:46

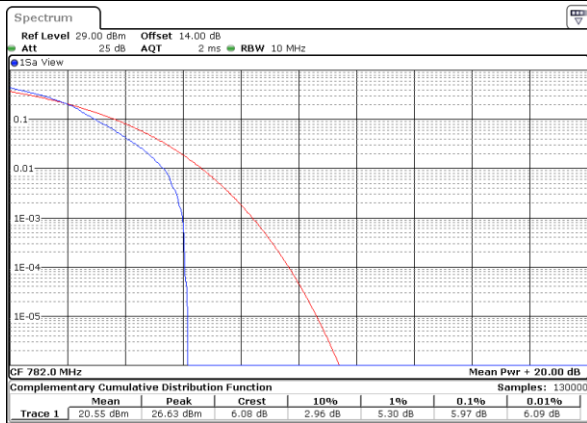
Middle Channel / Full RB



Date: 17_DEC.2021 00:47:57

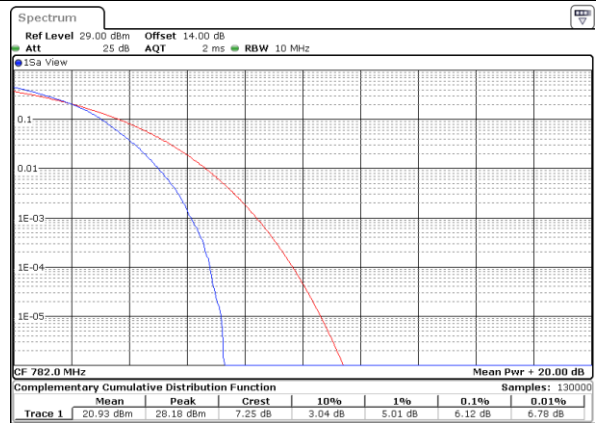
LTE Band 13 / 10MHz / 16QAM

Middle Channel / 1RB



Date: 17_DEC.2021 00:47:26

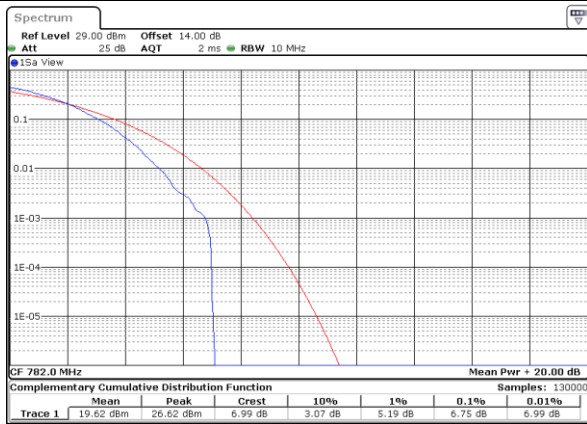
Middle Channel / Full RB



Date: 17_DEC.2021 00:47:36

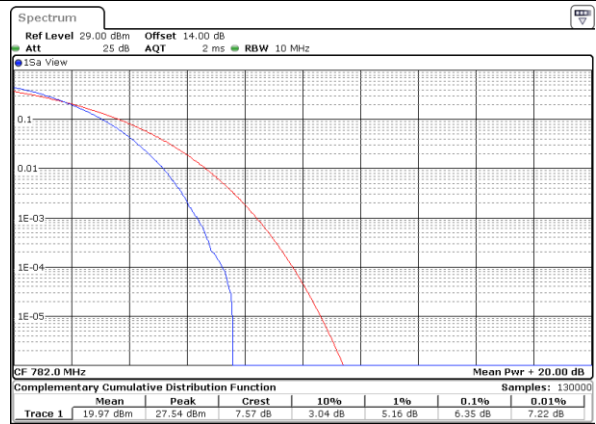
LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB



Date: 17_DEC.2021 00:47:05

Middle Channel / Full RB



Date: 17_DEC.2021 00:47:15



26dB Bandwidth

Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.95	5.00	-	-	-	-	-	-
Middle CH	-	-	-	-	5.10	5.01	9.81	9.93	-	-	-	-
Highest CH	-	-	-	-	4.95	5.06	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	5.02	-	-	-	-	-	-	-
Middle CH	-	-	-	-	5.11	-	9.65	-	-	-	-	-
Highest CH	-	-	-	-	5.01	-	-	-	-	-	-	-