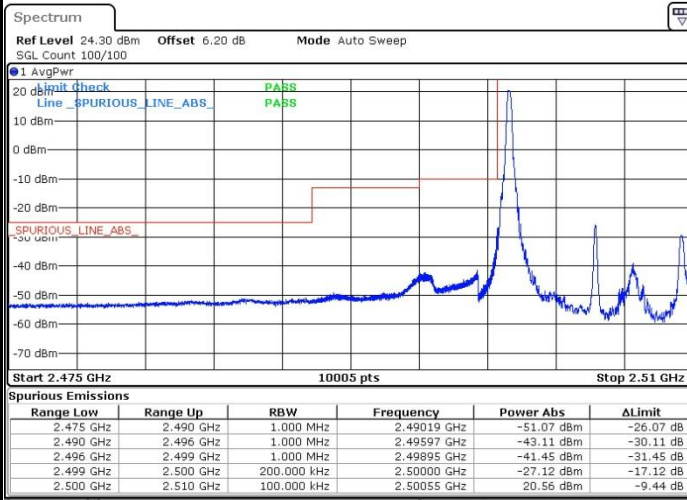




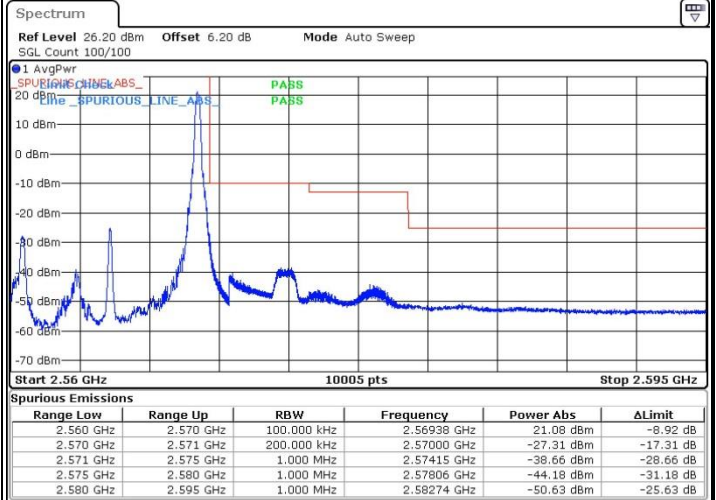
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1RB



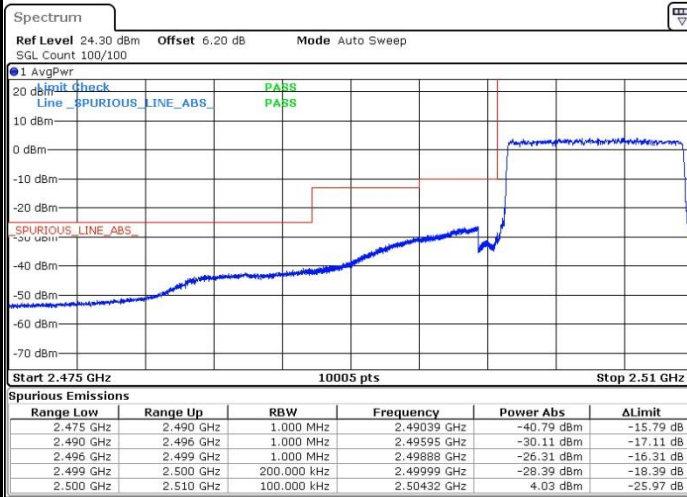
Date: 21.JAN.2021 18:49:13

Highest Band Edge / 1 RB



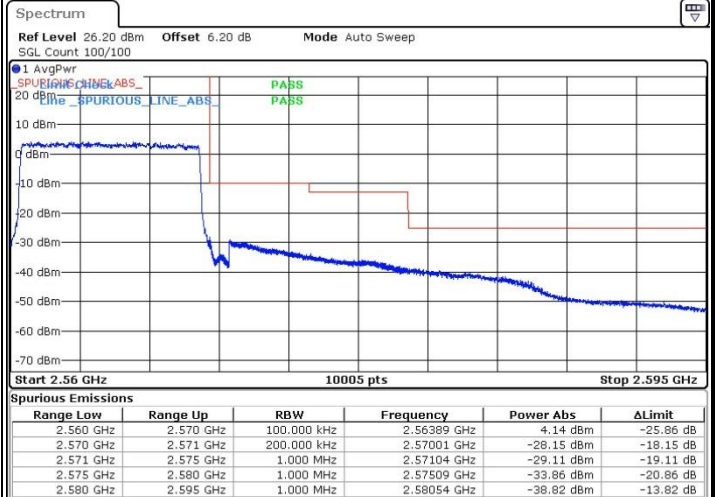
Date: 21.JAN.2021 18:56:13

Lowest Band Edge / Full RB



Date: 21.JAN.2021 18:50:57

Highest Band Edge / Full RB



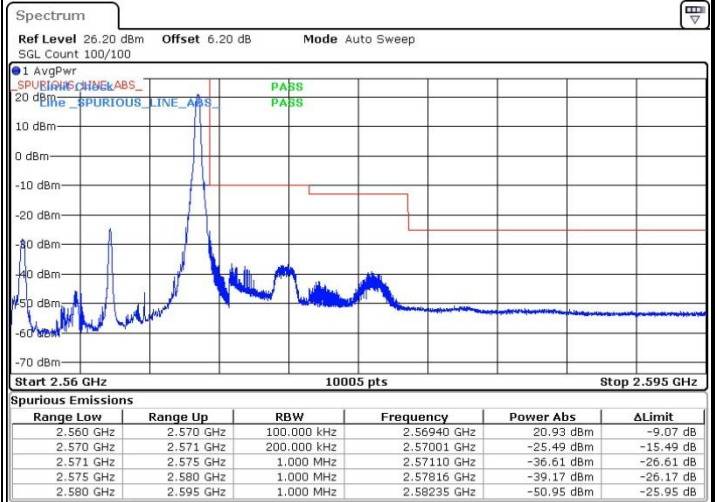
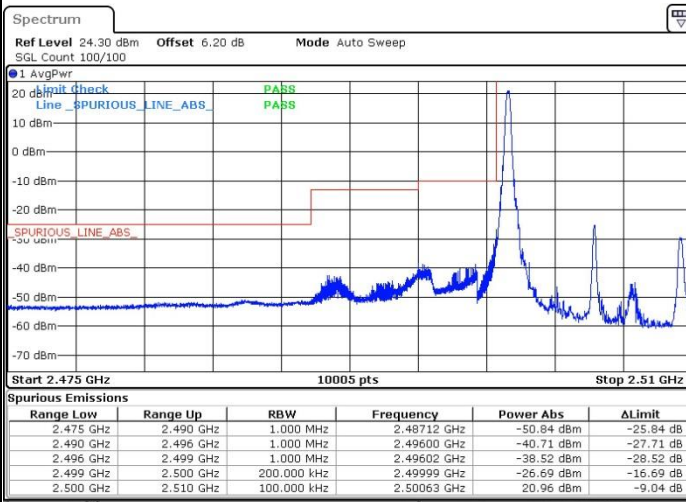
Date: 21.JAN.2021 18:54:31



LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

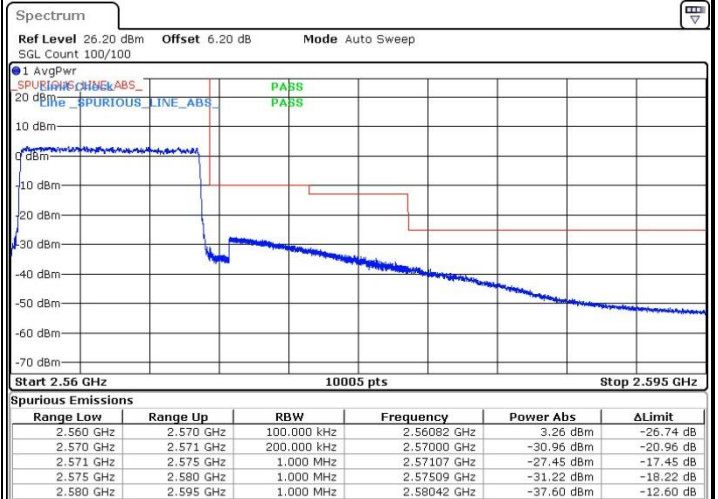
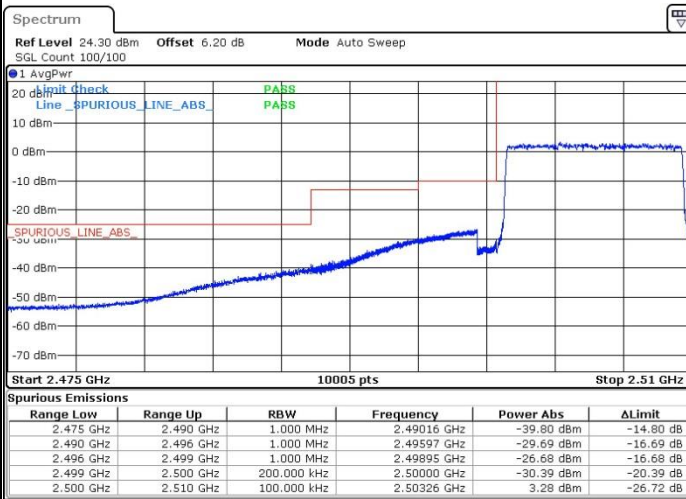


Date: 21.JAN.2021 18:49:39

Date: 21.JAN.2021 18:55:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



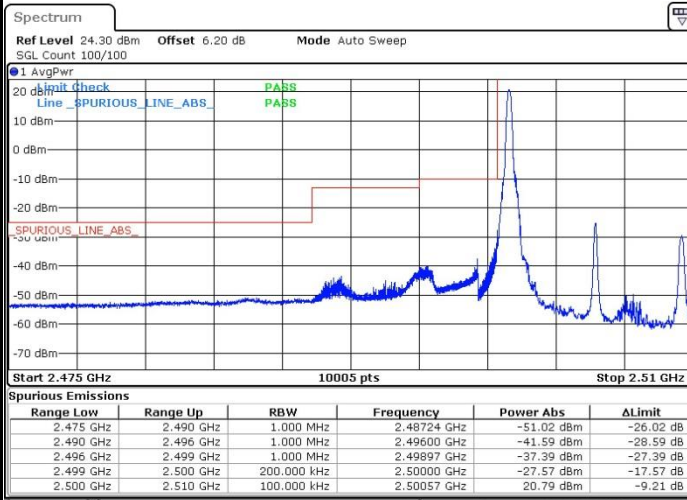
Date: 21.JAN.2021 18:50:39

Date: 21.JAN.2021 18:54:46



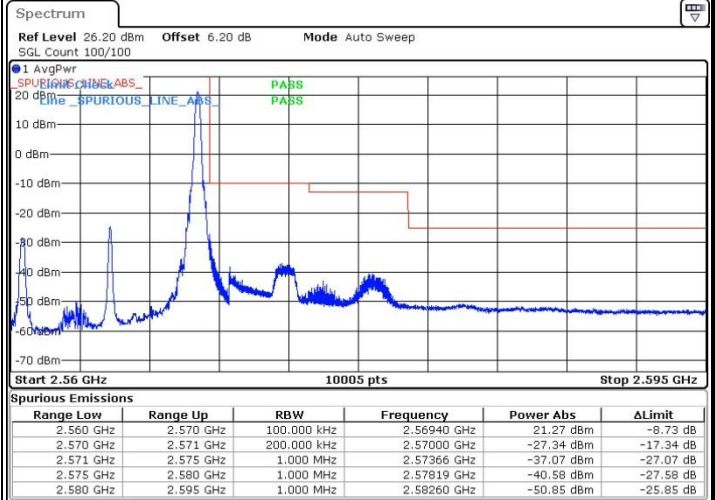
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



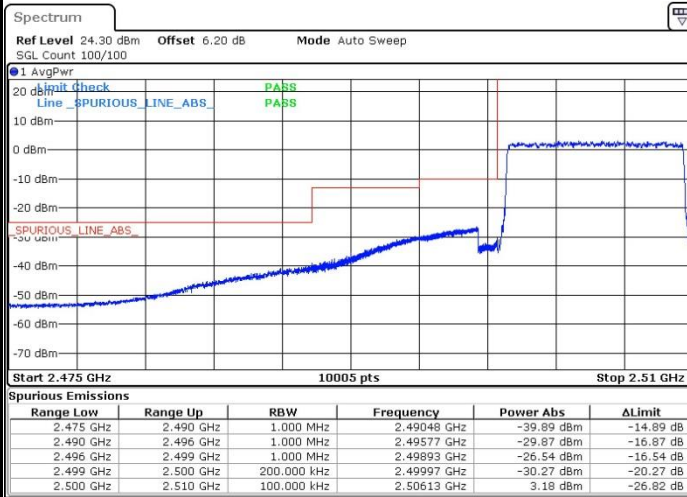
Date: 21.JAN.2021 18:50:07

Highest Band Edge / 1 RB



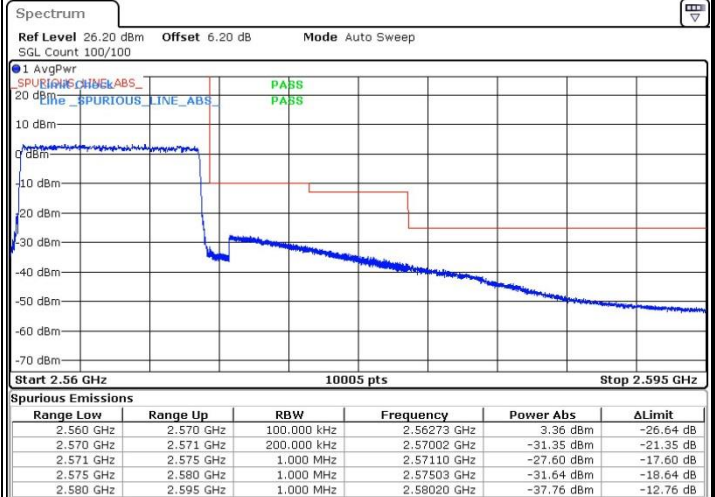
Date: 21.JAN.2021 18:55:35

Lowest Band Edge / Full RB



Date: 21.JAN.2021 18:50:24

Highest Band Edge / Full RB

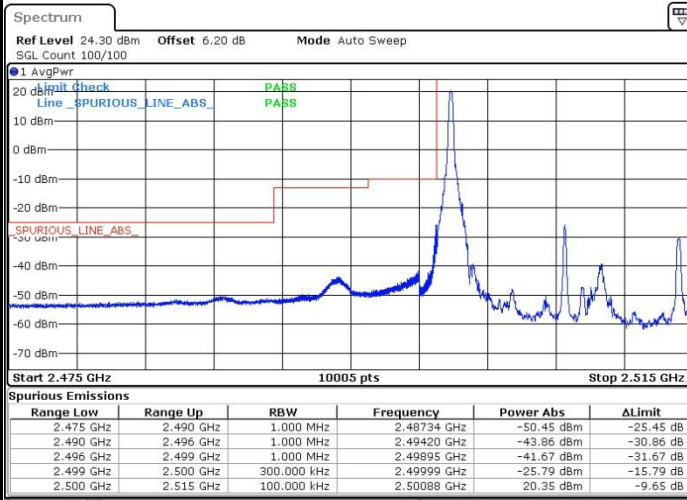


Date: 21.JAN.2021 18:55:14



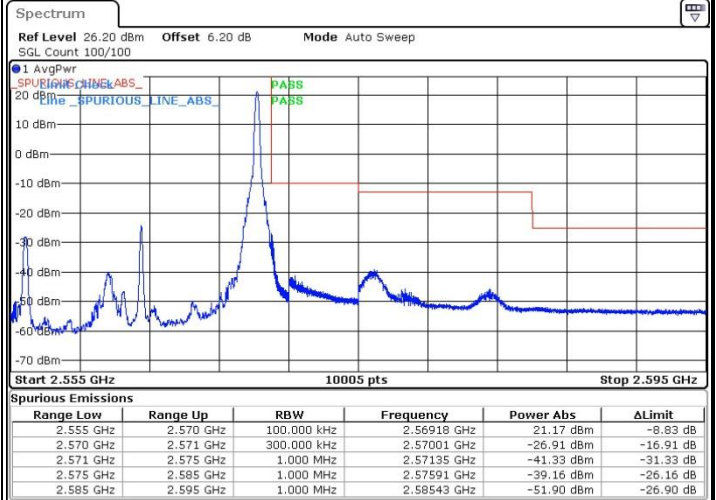
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



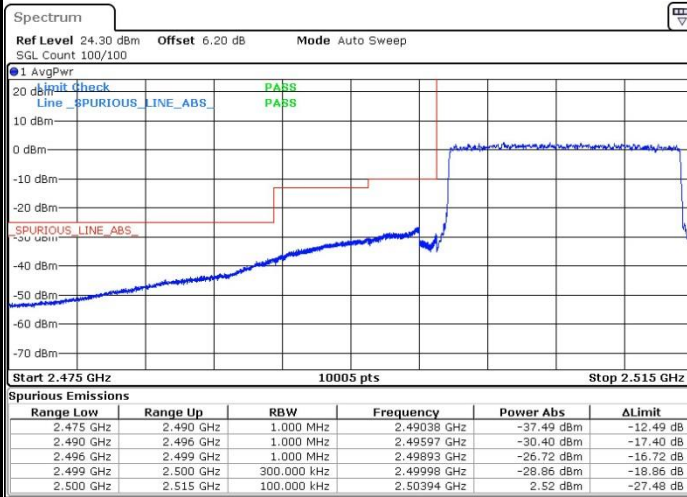
Date: 21.JAN.2021 19:03:57

Highest Band Edge / 1 RB



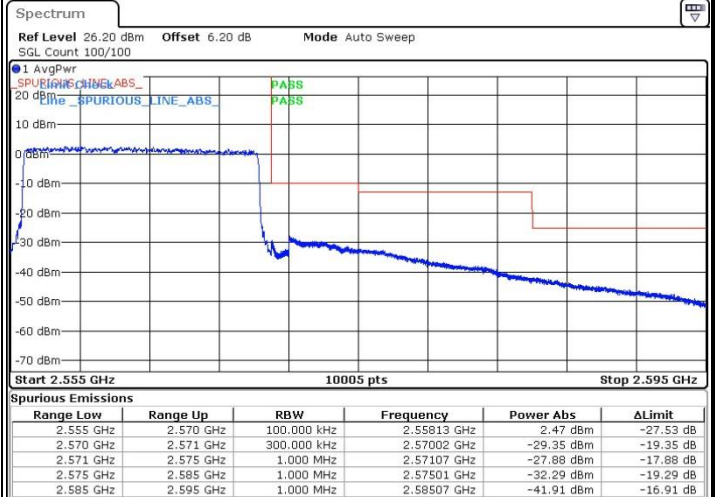
Date: 21.JAN.2021 18:57:02

Lowest Band Edge / Full RB



Date: 21.JAN.2021 19:05:23

Highest Band Edge / Full RB

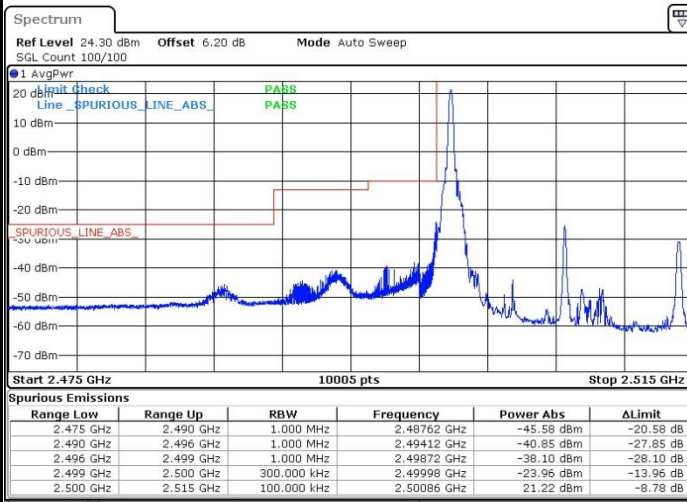


Date: 21.JAN.2021 18:59:48



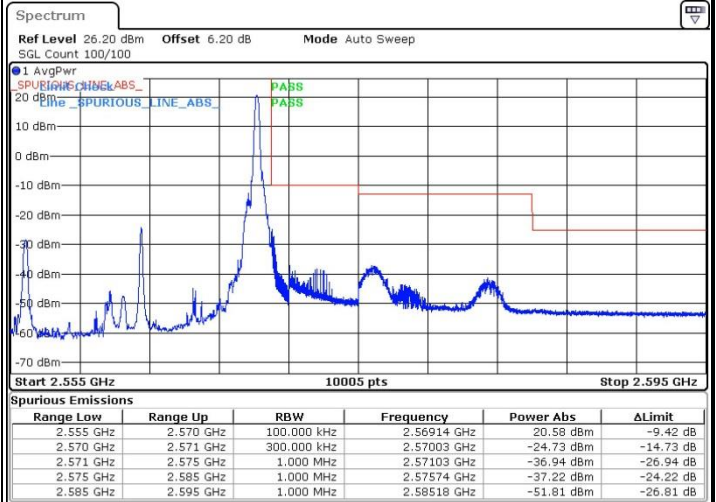
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1RB



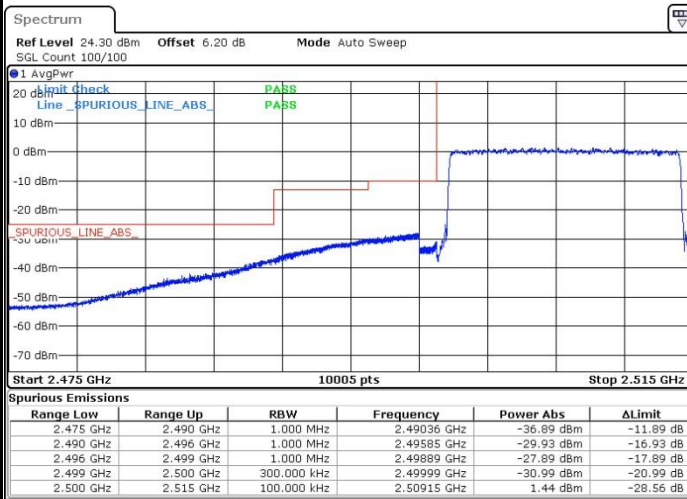
Date: 21.JAN.2021 19:04:14

Highest Band Edge / 1 RB



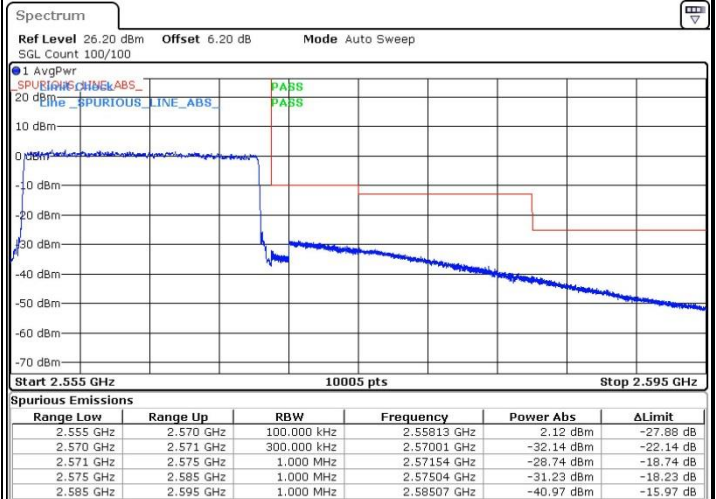
Date: 21.JAN.2021 18:57:18

Lowest Band Edge / Full RB



Date: 21.JAN.2021 19:05:06

Highest Band Edge / Full RB

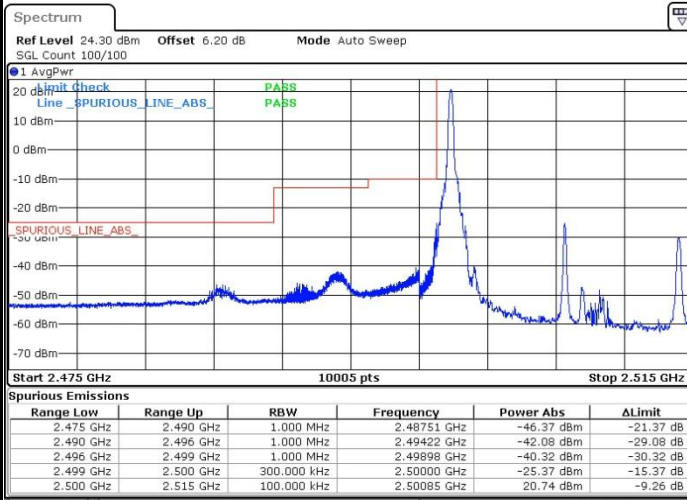


Date: 21.JAN.2021 18:59:33



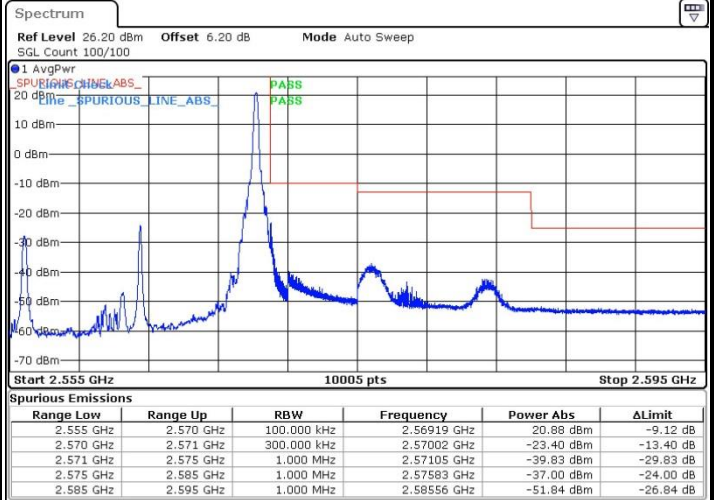
LTE Band 7/ 15MHz / 64QAM

Lowest Band Edge / 1RB



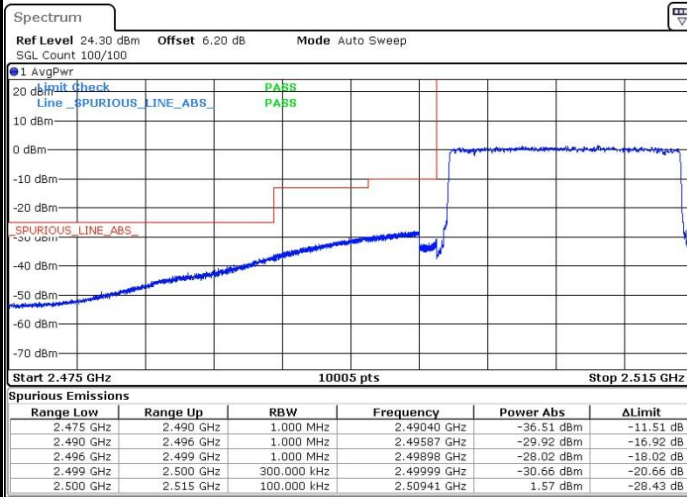
Date: 21.JAN.2021 19:04:30

Highest Band Edge / 1 RB



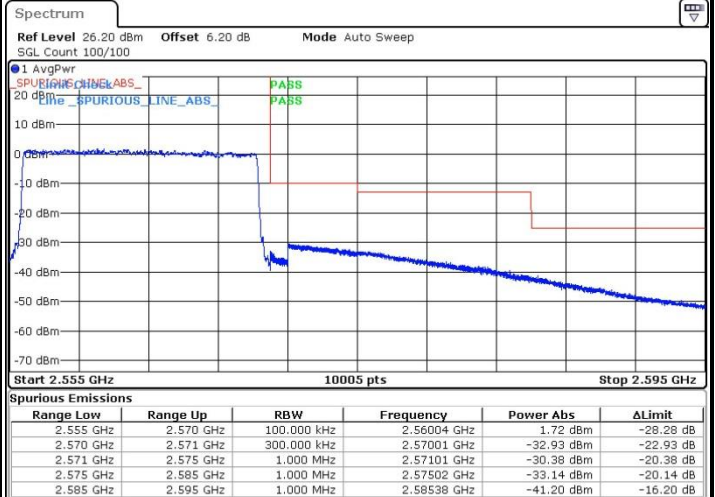
Date: 21.JAN.2021 18:57:47

Lowest Band Edge / Full RB



Date: 21.JAN.2021 19:04:50

Highest Band Edge / Full RB



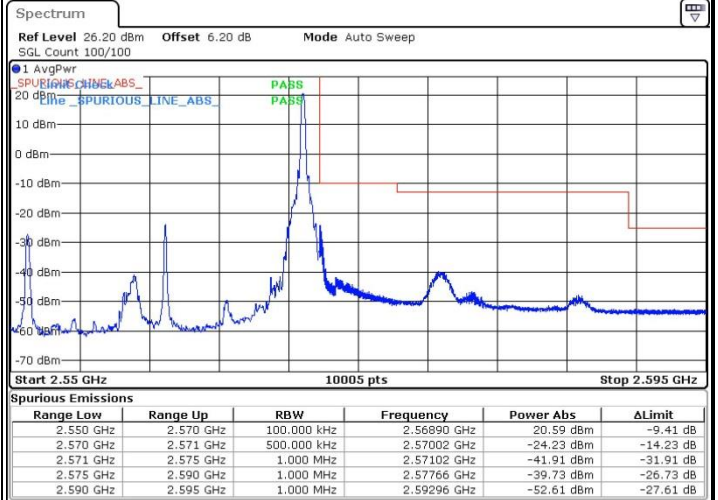
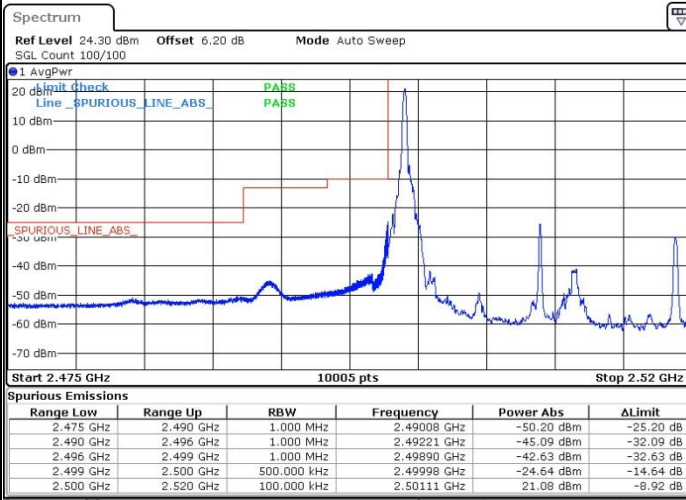
Date: 21.JAN.2021 18:59:08



LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

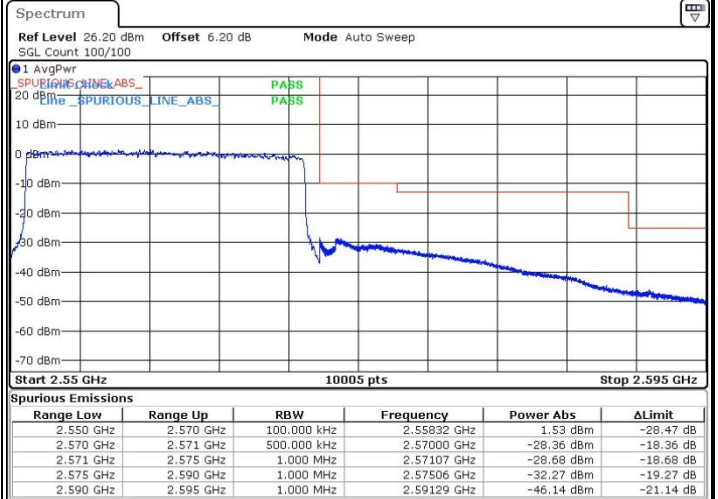
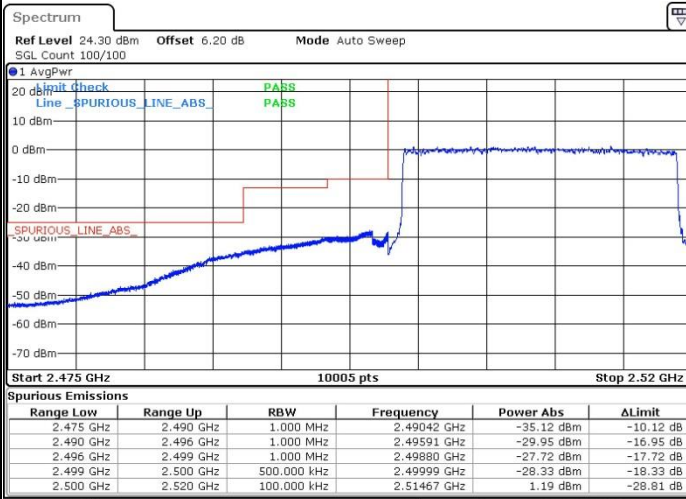


Date: 21.JAN.2021 19:07:29

Date: 21.JAN.2021 19:14:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JAN.2021 19:05:46

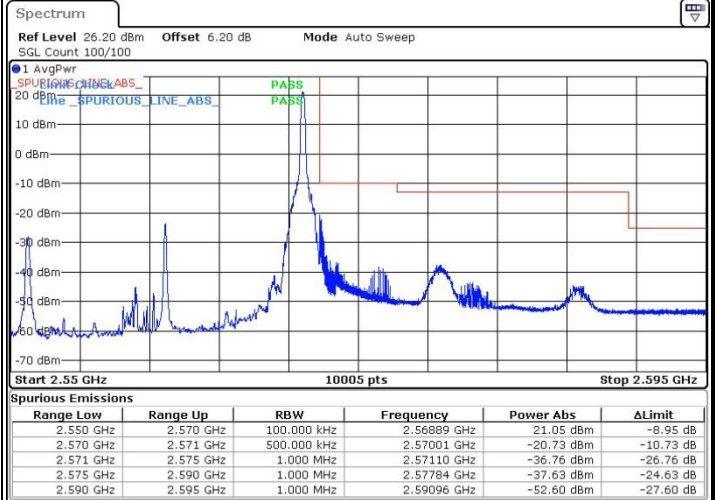
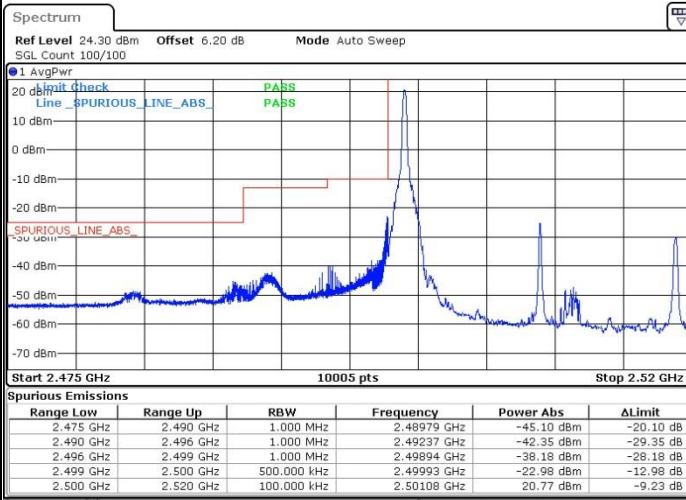
Date: 21.JAN.2021 19:15:45



LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

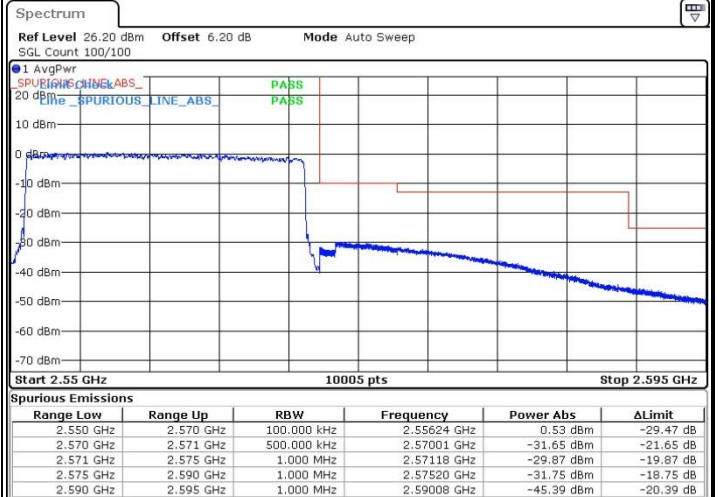
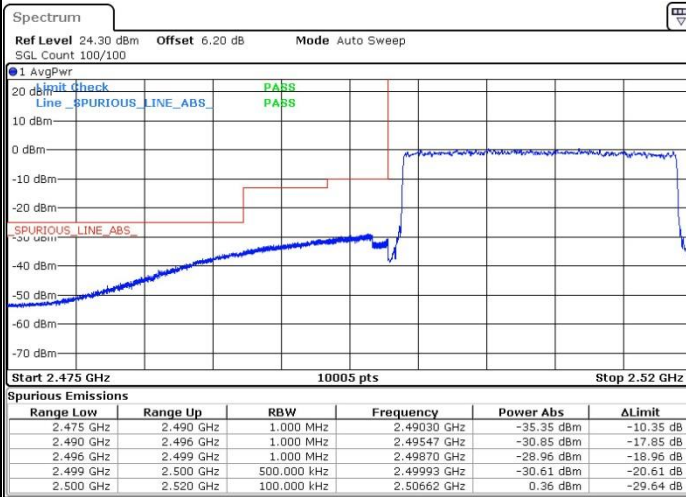


Date: 21.JAN.2021 19:07:08

Date: 21.JAN.2021 19:14:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JAN.2021 19:06:16

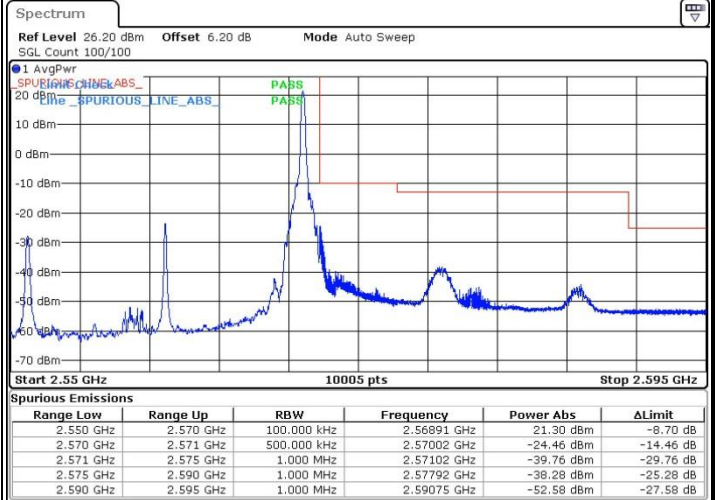
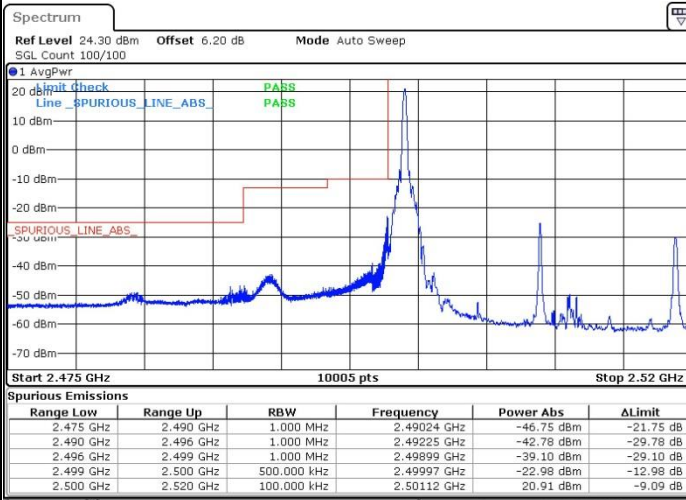
Date: 21.JAN.2021 19:15:28



LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

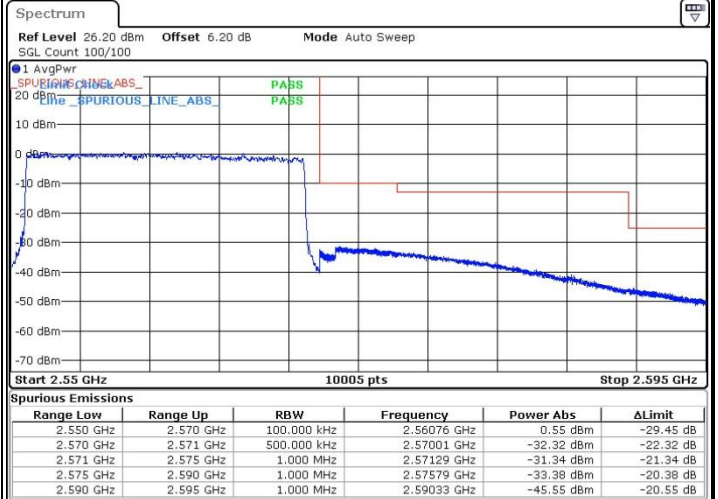
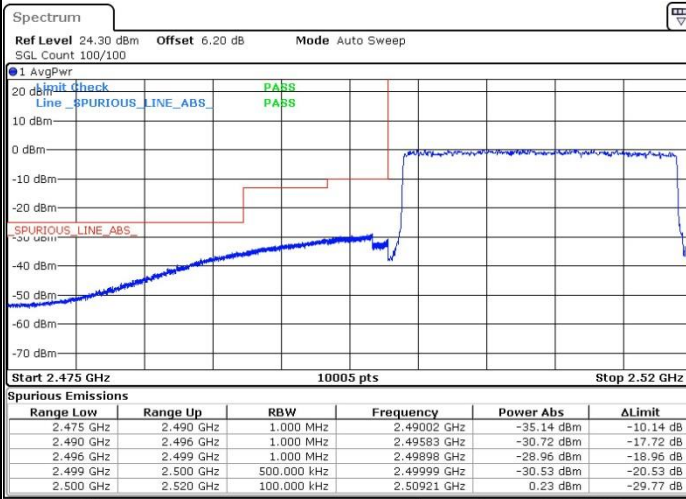


Date: 21.JAN.2021 19:06:51

Date: 21.JAN.2021 19:14:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

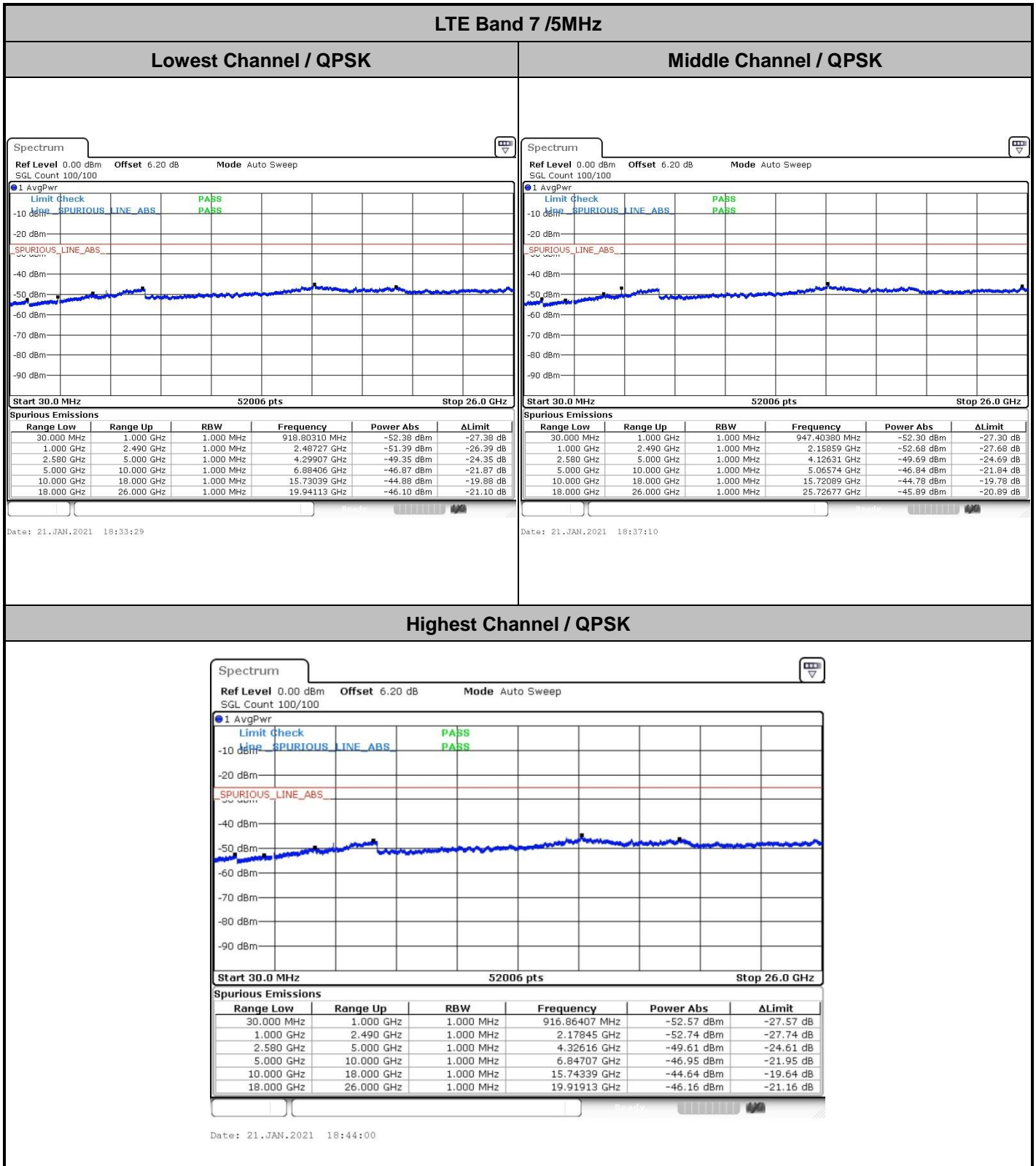


Date: 21.JAN.2021 19:06:34

Date: 21.JAN.2021 19:15:12



Conducted Spurious Emission

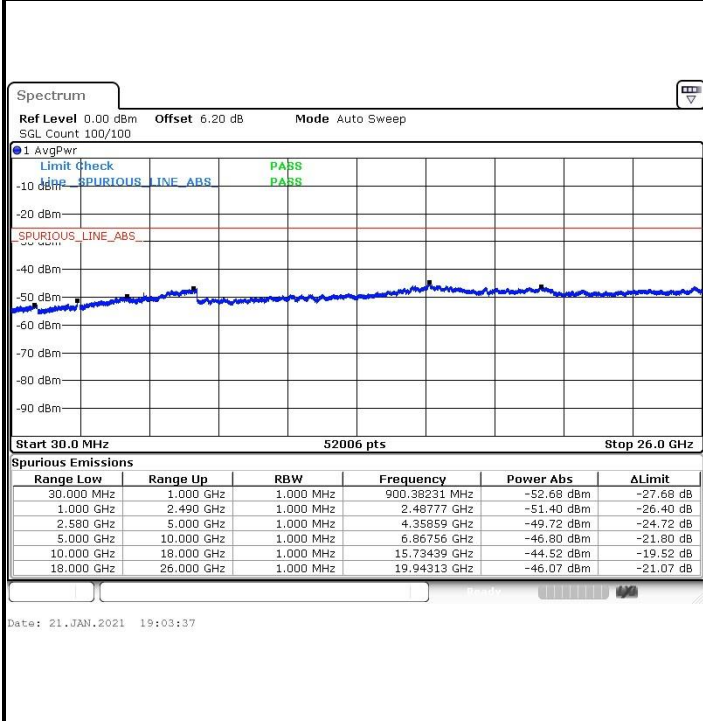




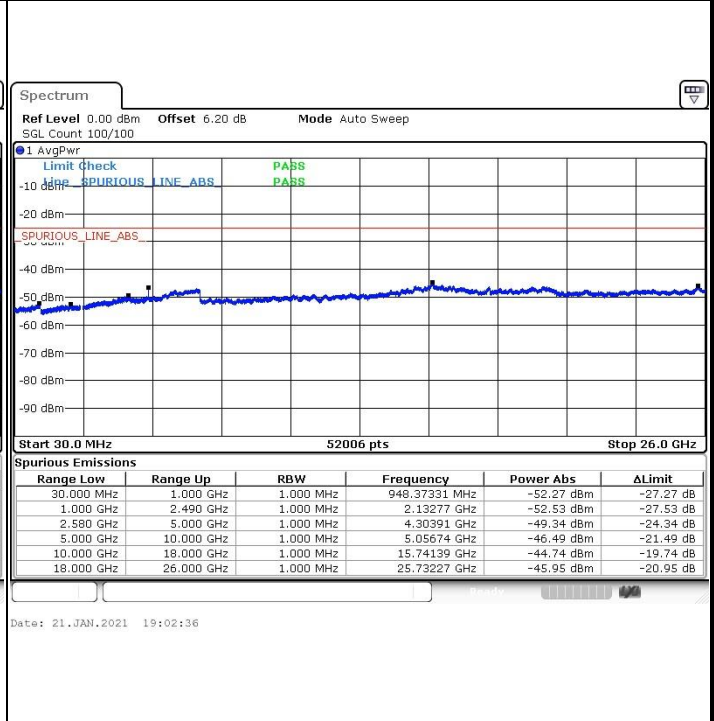


LTE Band 7 / 15MHz

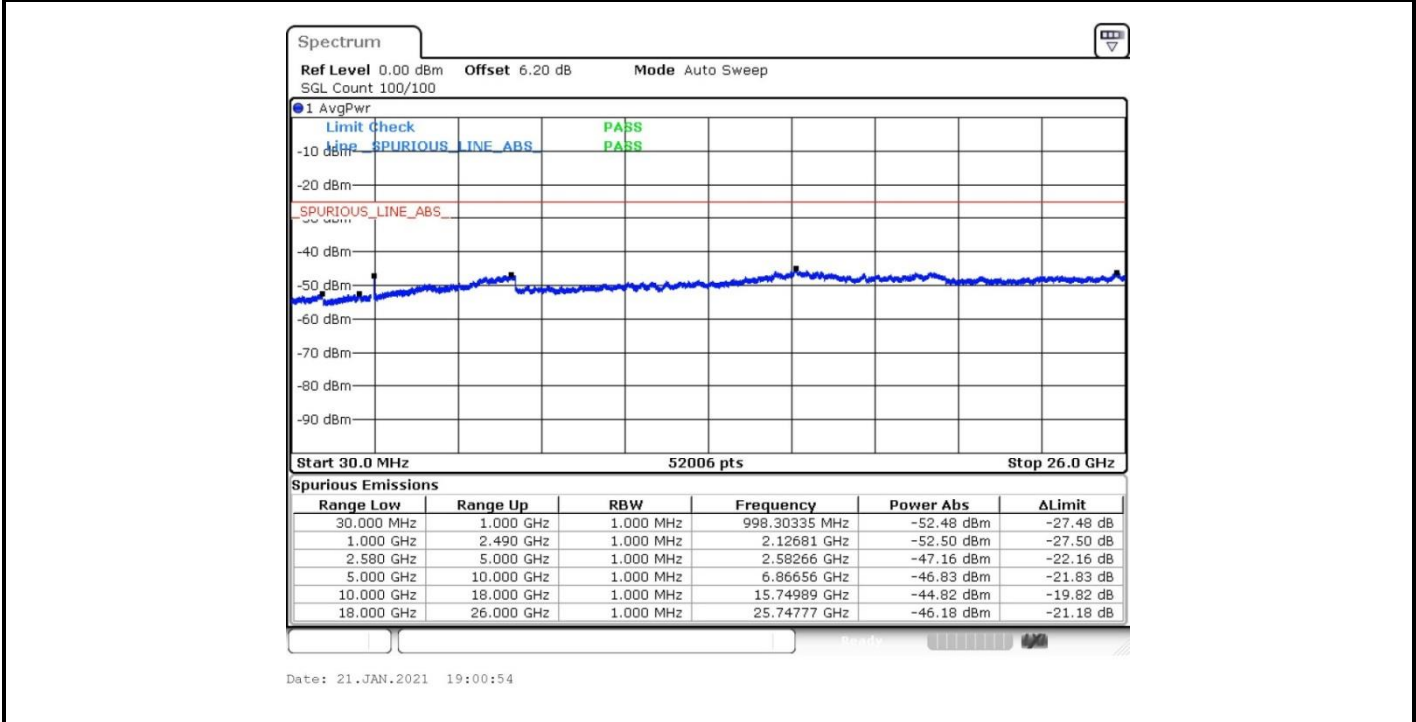
Lowest Channel / QPSK



Middle Channel / QPSK



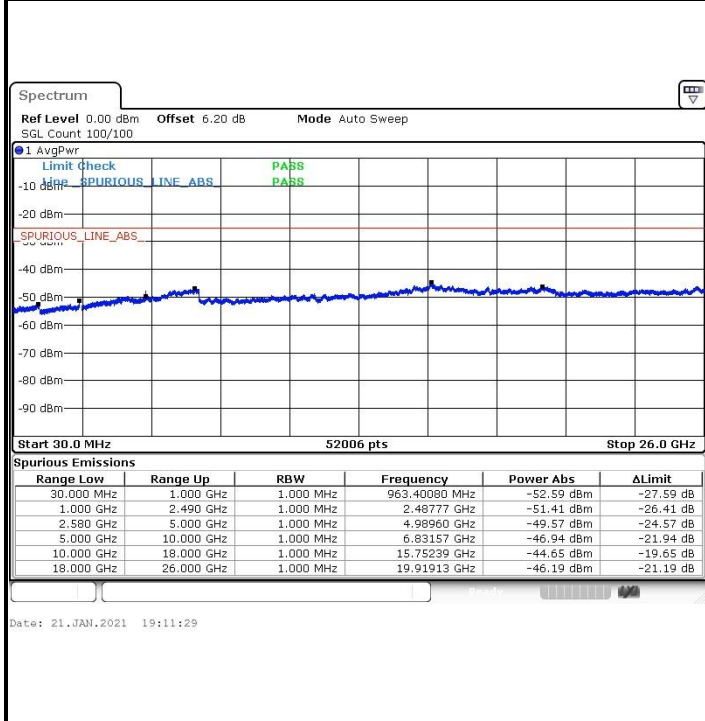
Highest Channel / QPSK



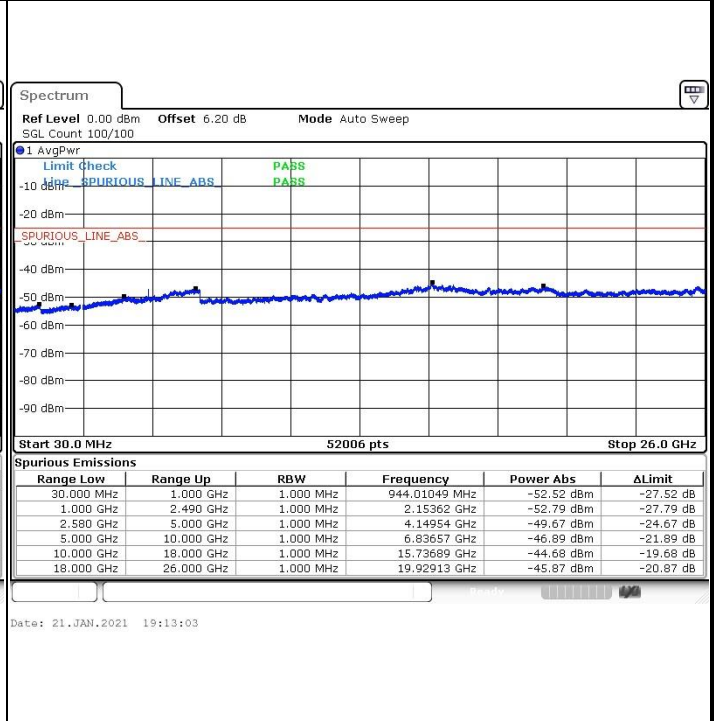


LTE Band 7 / 20MHz

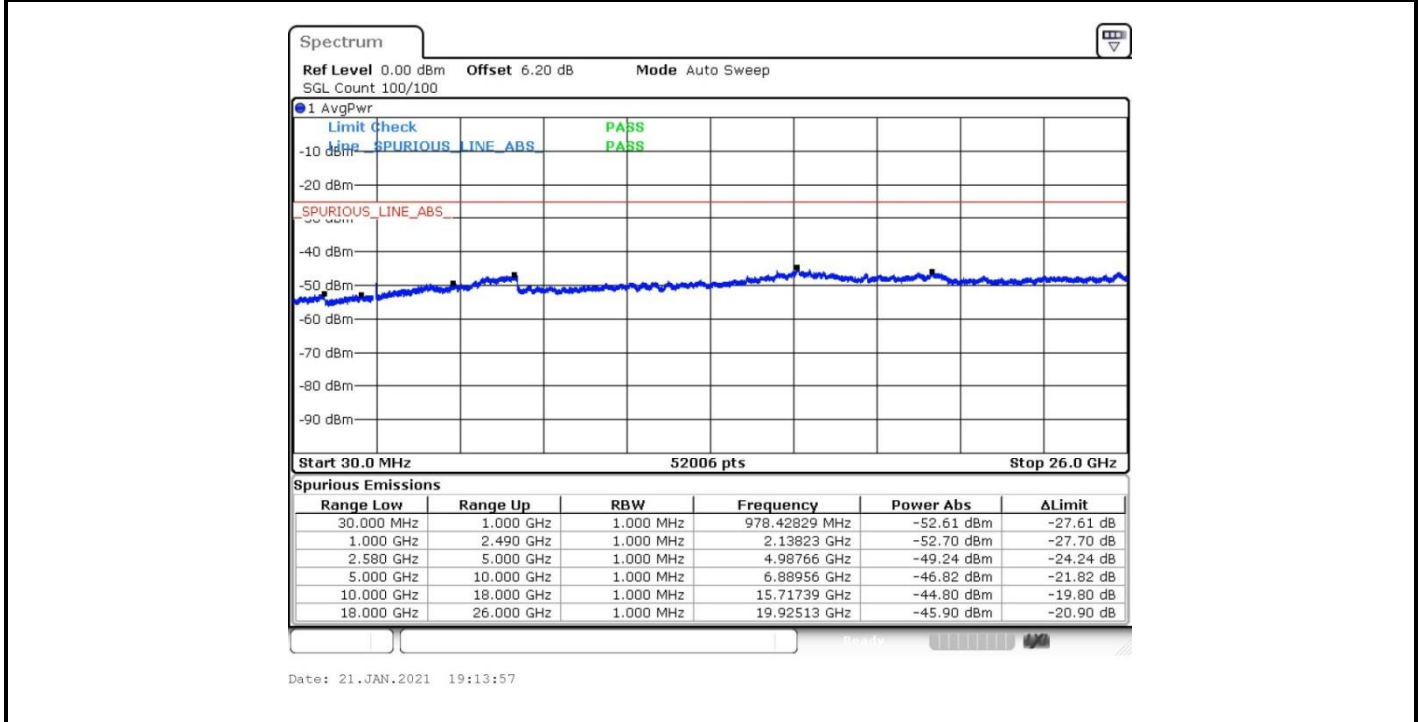
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0045	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0045	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0010	
20	Battery End Point	0.0022	

Note:

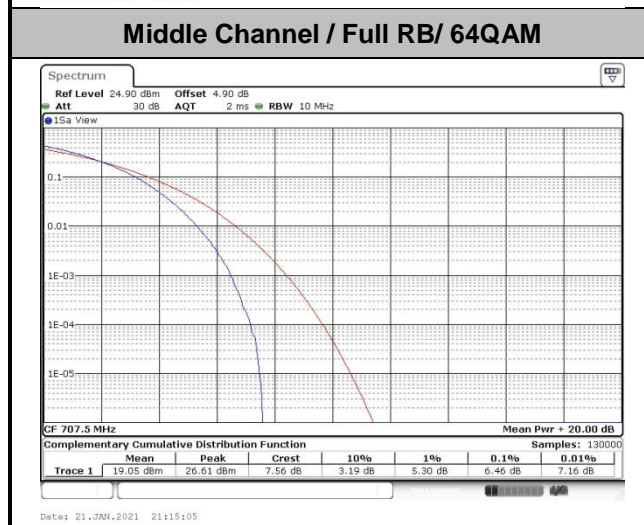
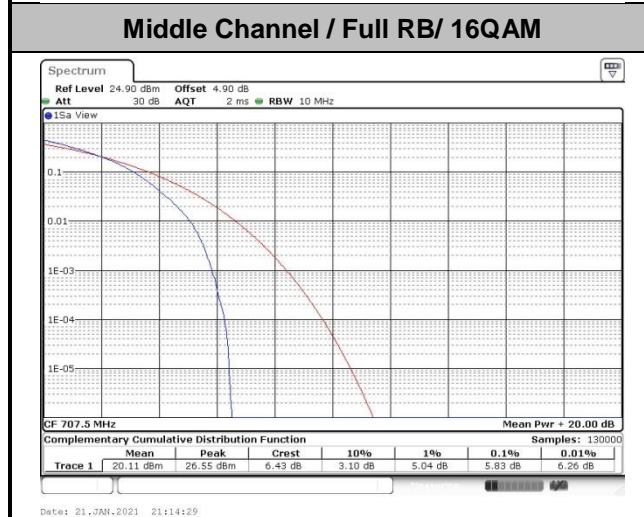
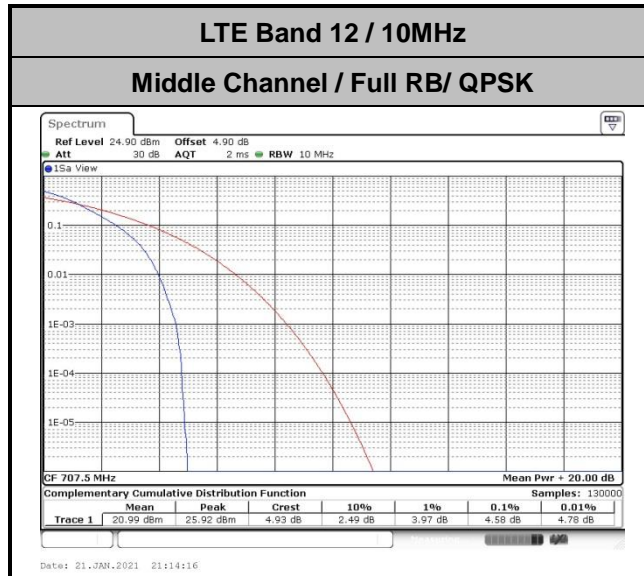
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

Peak-to-Average Ratio

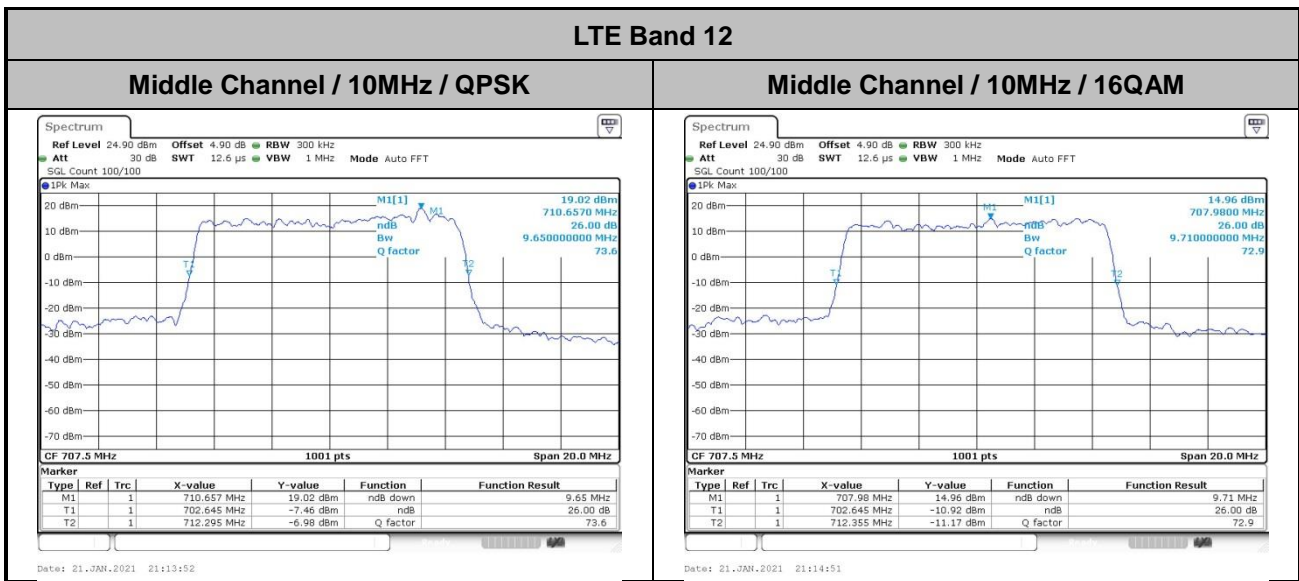
Mode	LTE Band 12 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.58	5.83	6.46	PASS





26dB Bandwidth

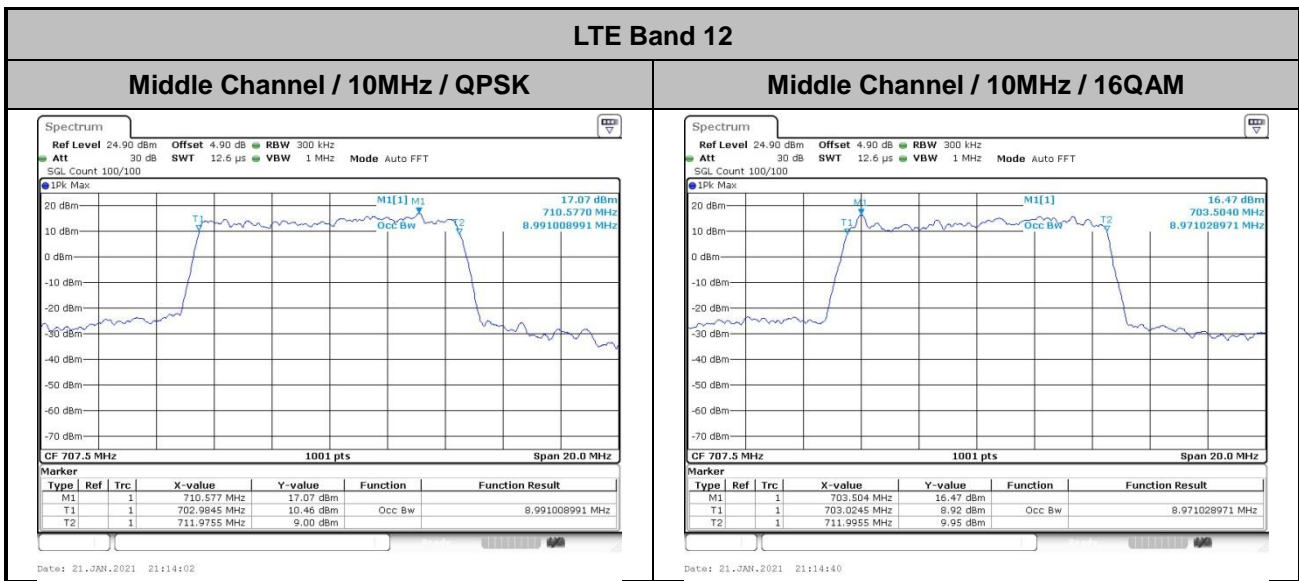
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.65	9.71





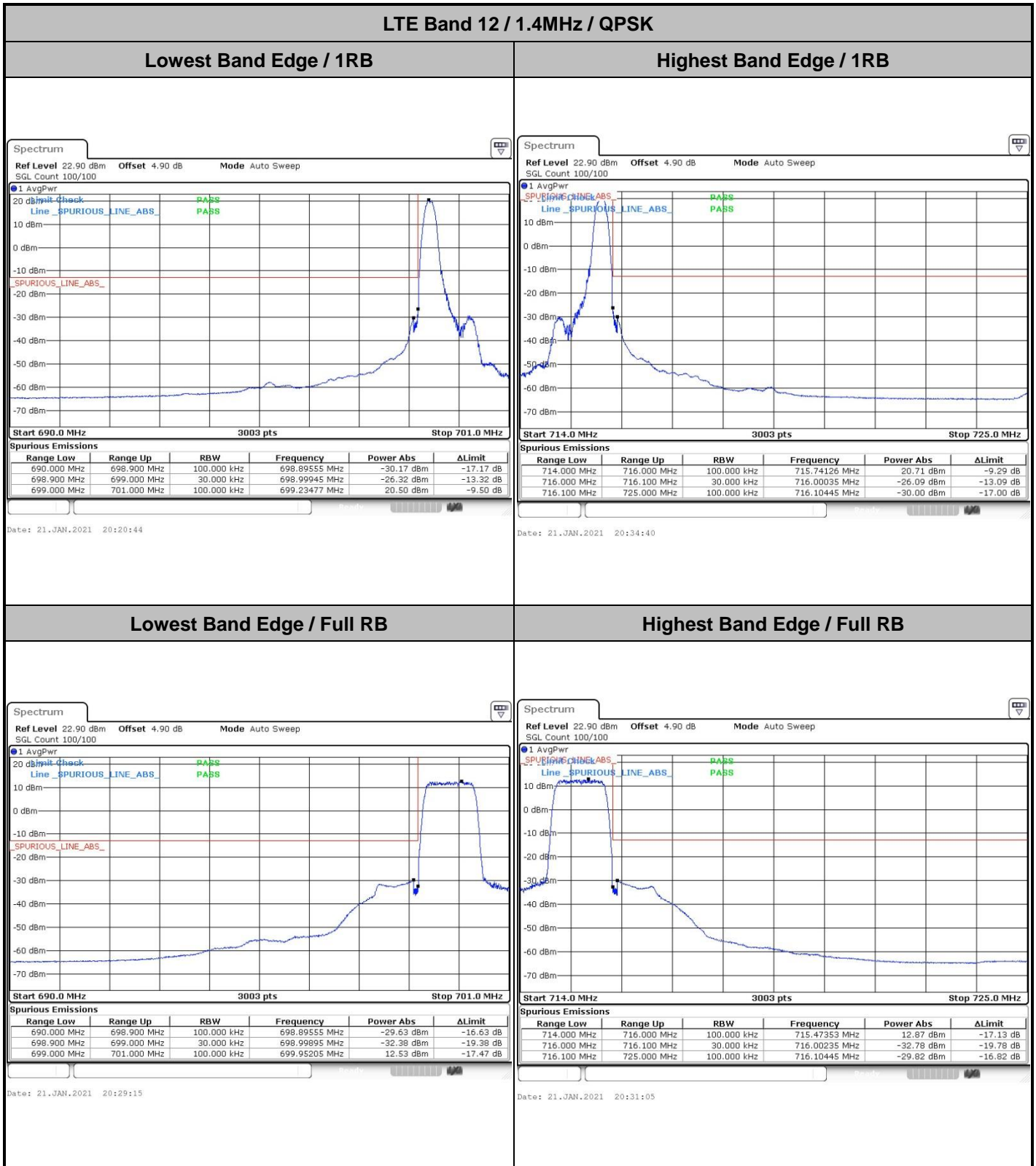
Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	8.99	8.97





Conducted Band Edge





LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 21.JAN.2021 20:26:16

Date: 21.JAN.2021 20:34:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JAN.2021 20:28:35

Date: 21.JAN.2021 20:31:40