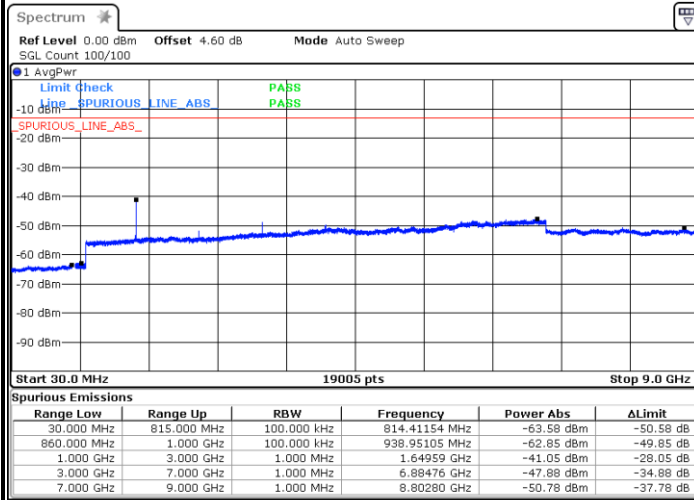




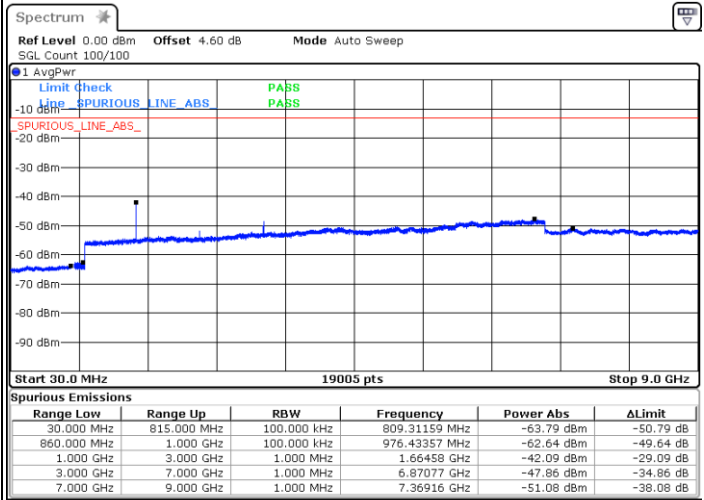
LTE Band 5 / 10MHz

Lowest Channel / QPSK



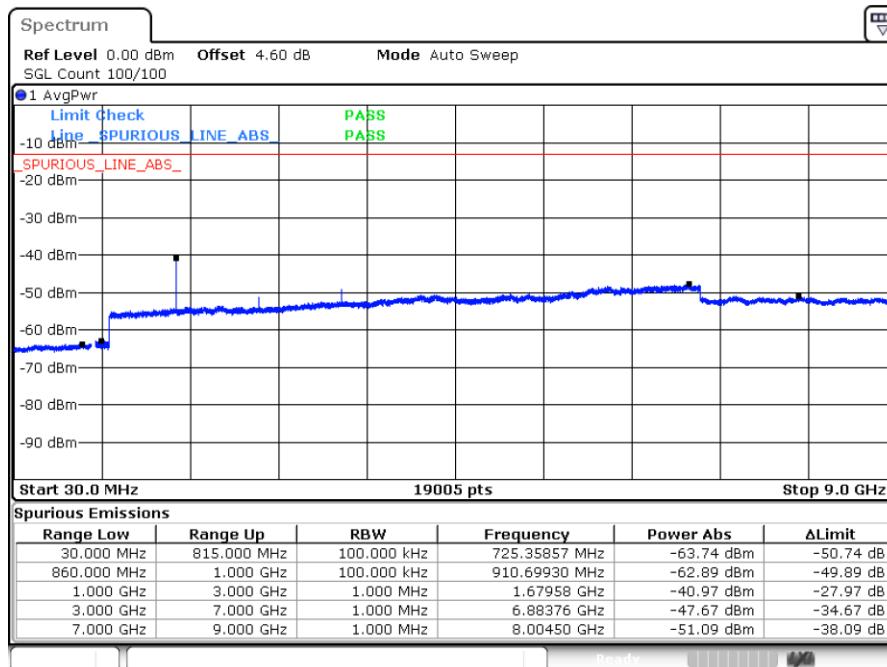
Date: 25.JUN.2021 15:58:18

Middle Channel / QPSK



Date: 25.JUN.2021 16:10:15

Highest Channel / QPSK



Date: 25.JUN.2021 16:19:05

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	0.0061	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0107	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0167	

Note:

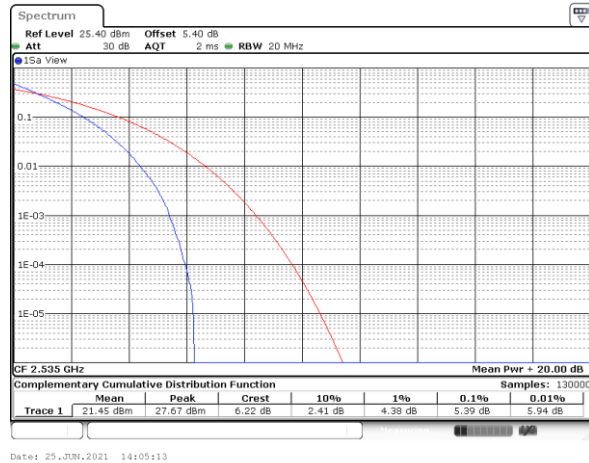
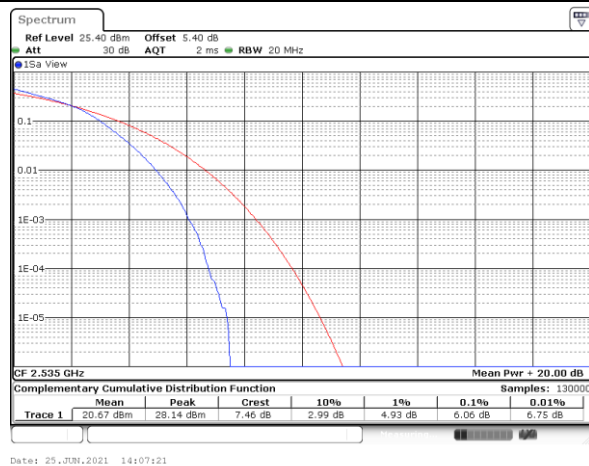
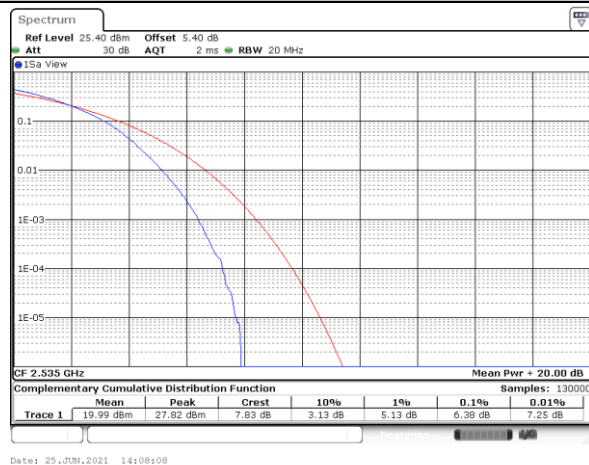
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

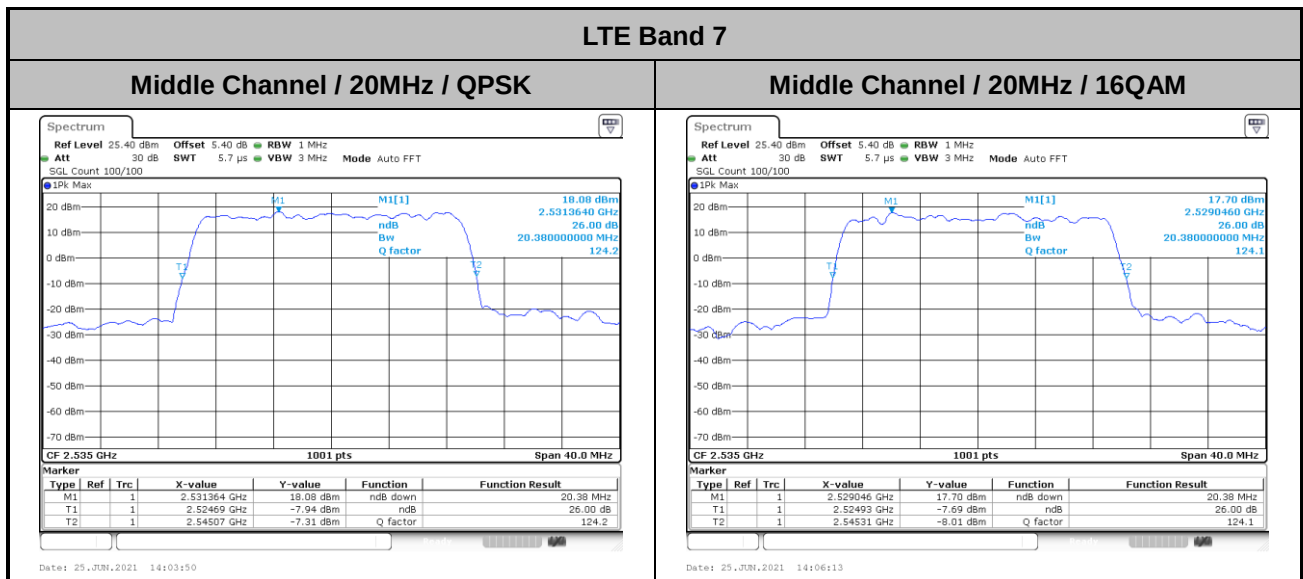
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.39	6.06	6.38	PASS

LTE Band 7 / 20MHz
Middle Channel / Full RB/ QPSK

Middle Channel / Full RB/ 16QAM

Middle Channel / Full RB/ 64QAM


**26dB Bandwidth**

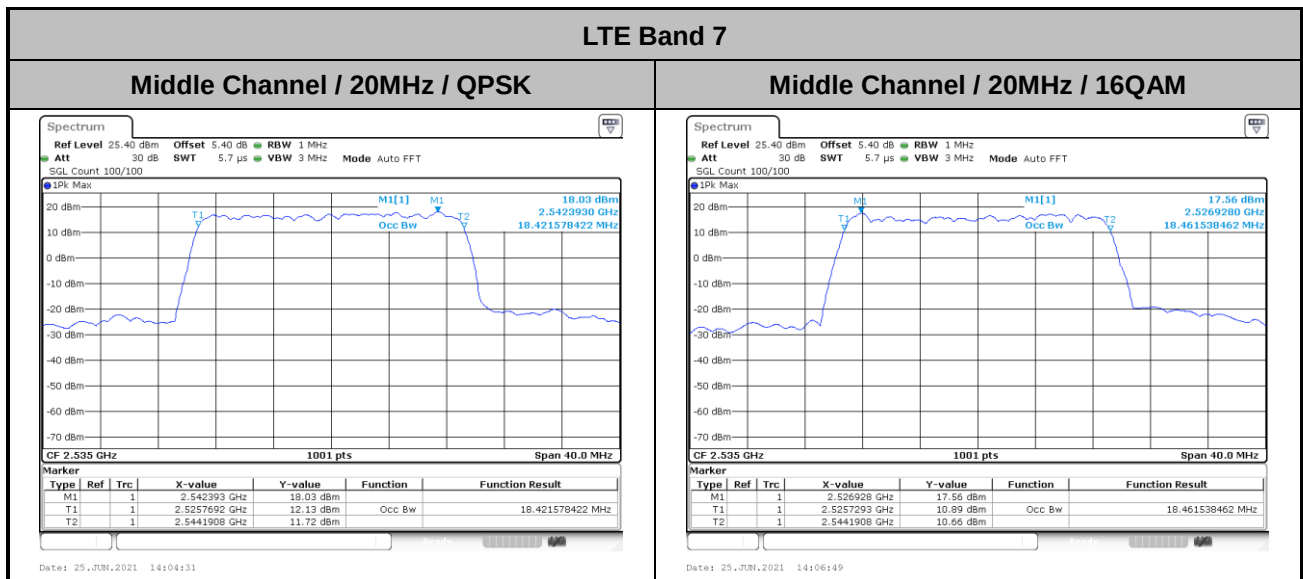
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.38	20.38





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.42	18.46

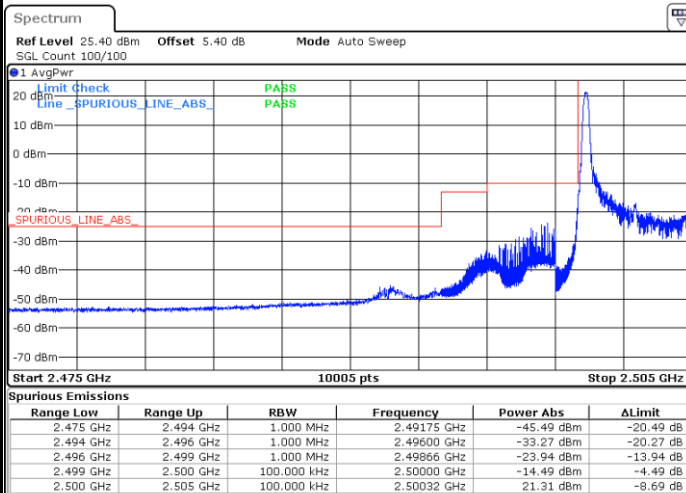




Conducted Band Edge

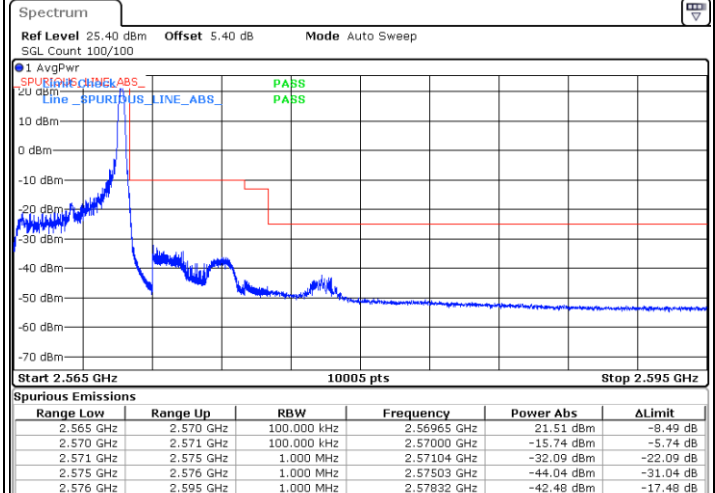
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



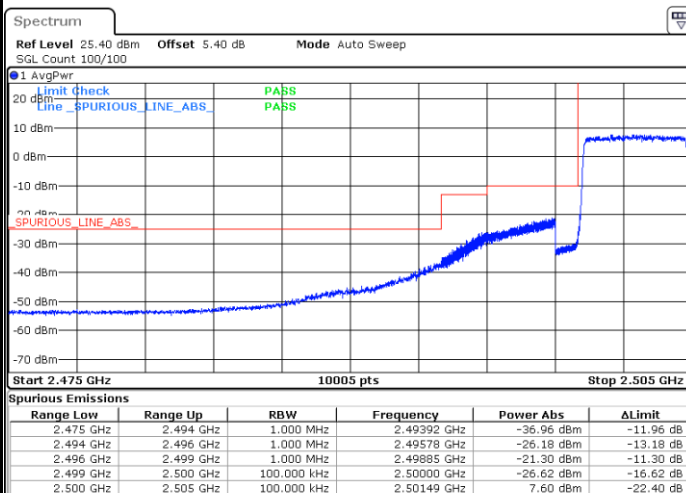
Date: 25.JUN.2021 11:53:24

Highest Band Edge / 1 RB



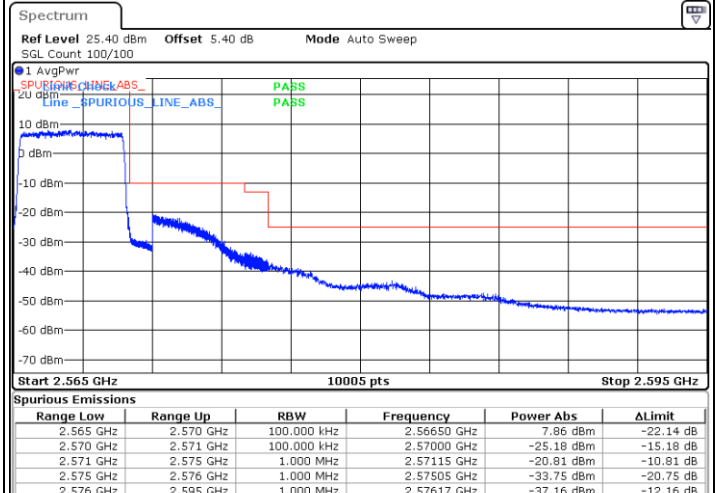
Date: 25.JUN.2021 12:02:22

Lowest Band Edge / Full RB



Date: 25.JUN.2021 11:56:29

Highest Band Edge / Full RB

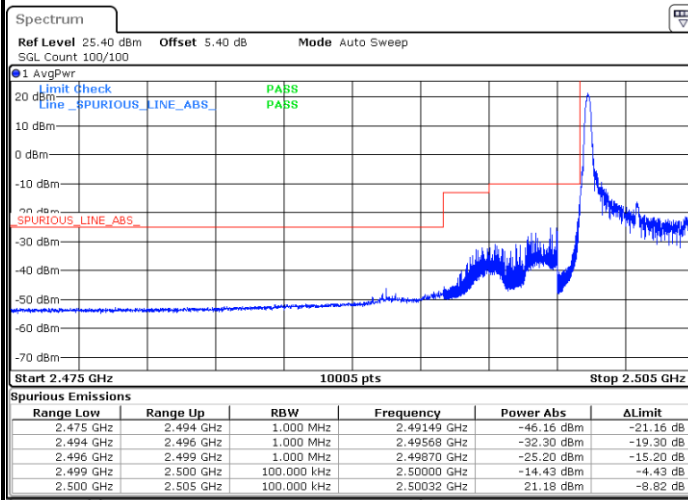


Date: 25.JUN.2021 12:06:01

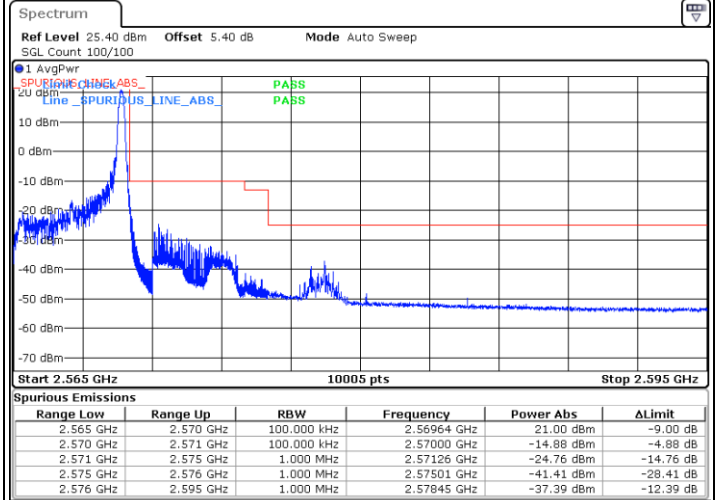


LTE Band 7 / 5MHz / 16QAM

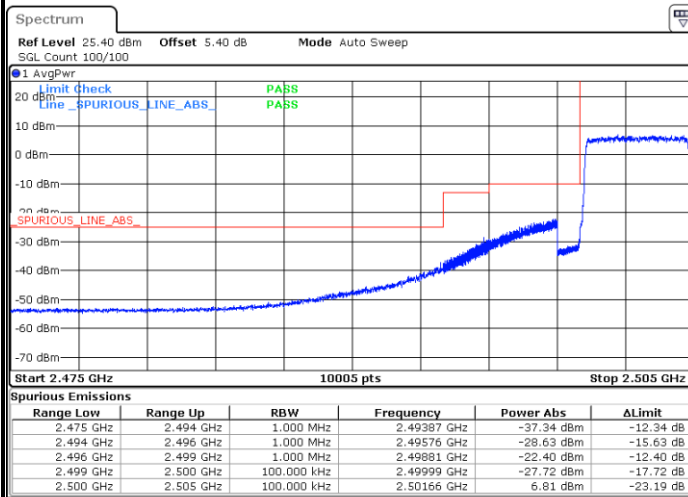
Lowest Band Edge / 1RB



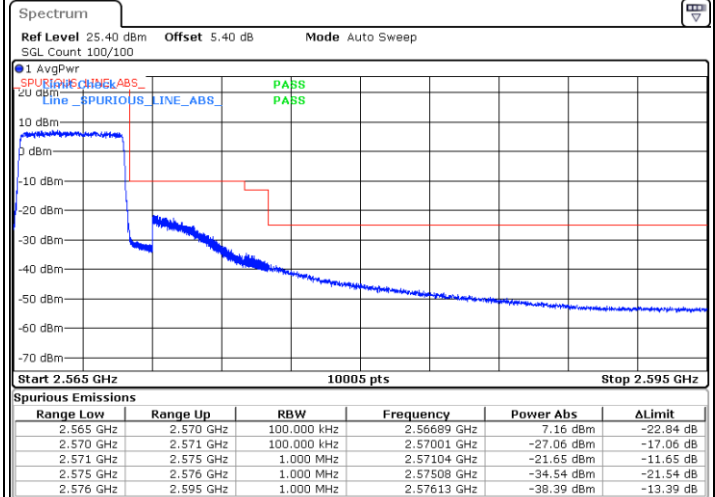
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



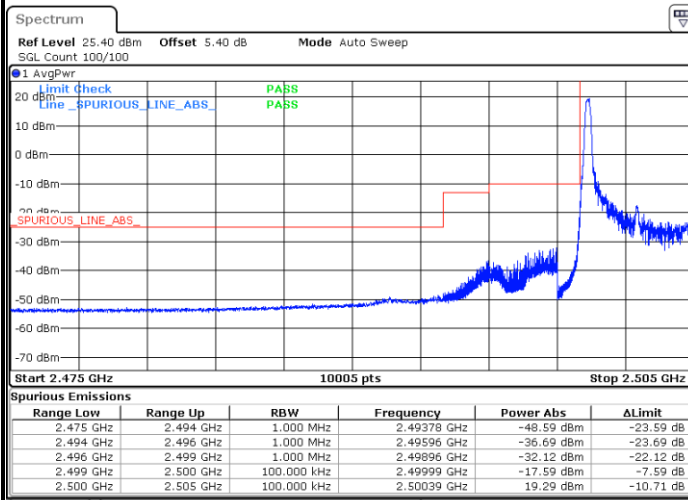
Highest Band Edge / Full RB



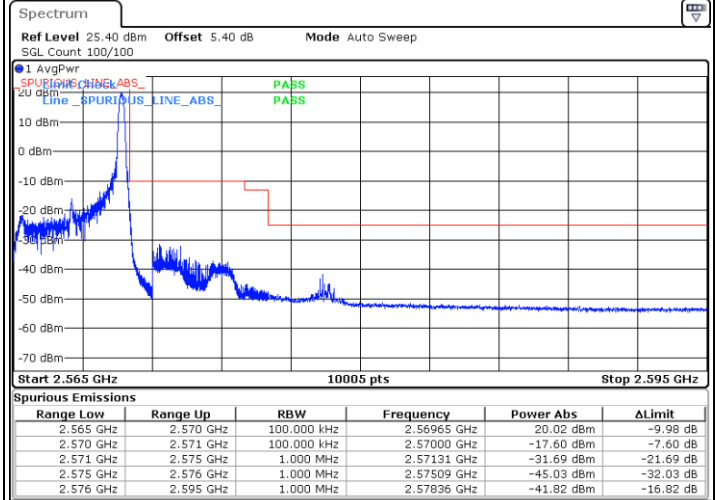


LTE Band 7 / 5MHz / 64QAM

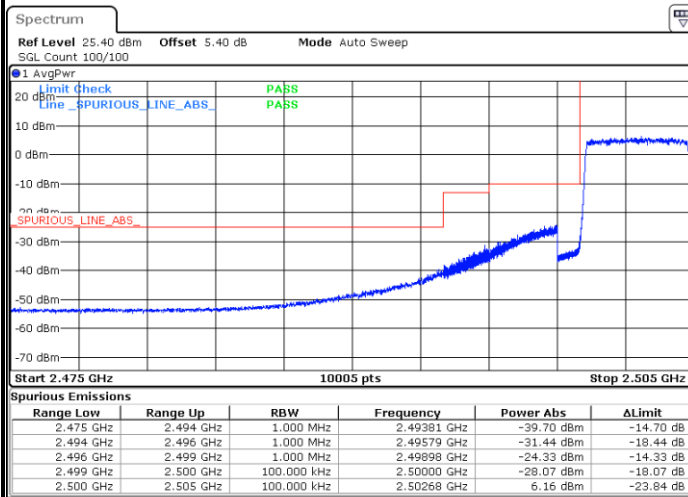
Lowest Band Edge / 1RB



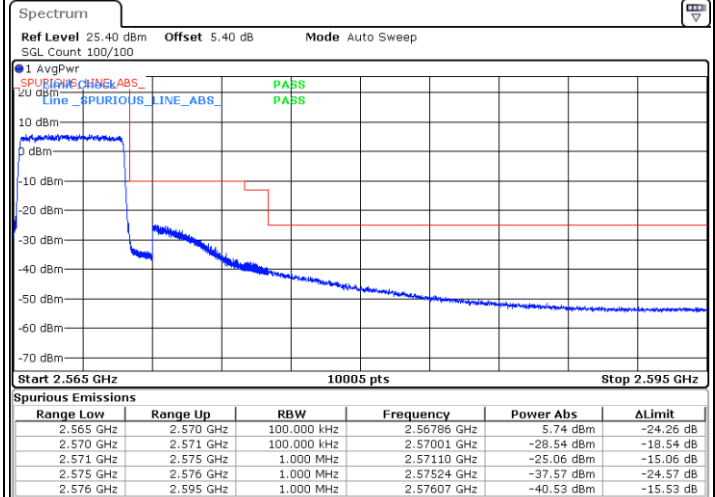
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



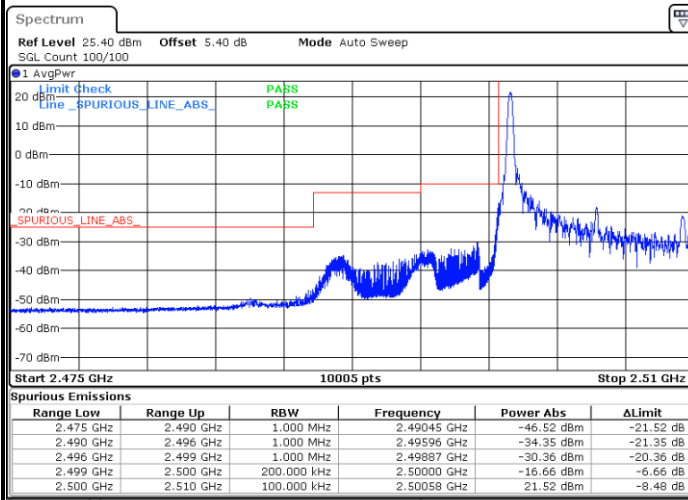
Highest Band Edge / Full RB





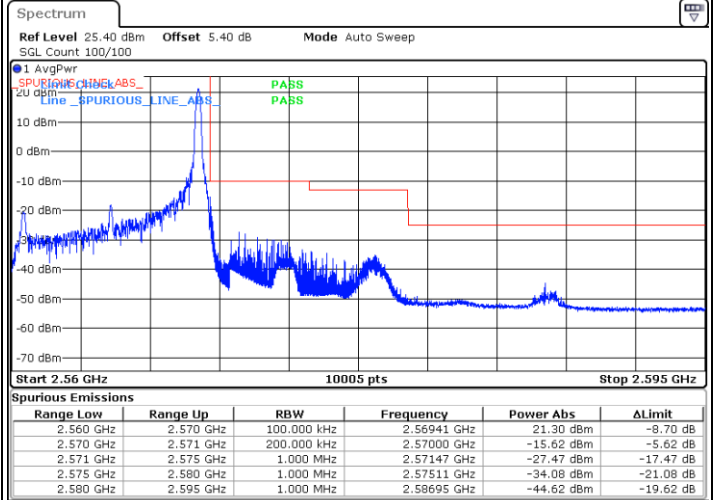
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



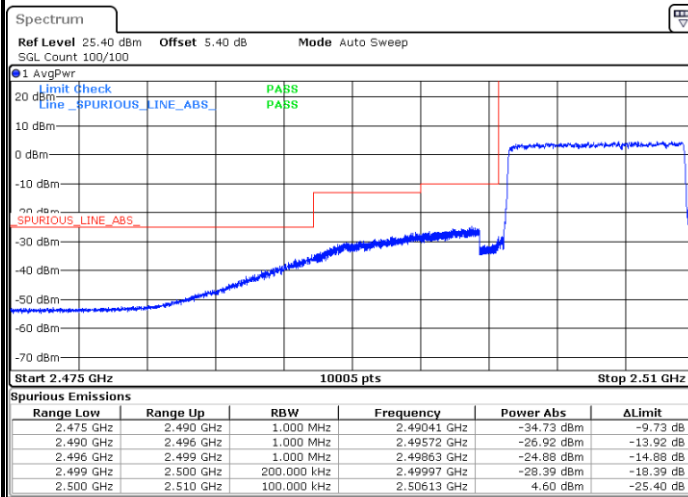
Date: 25 JUN.2021 13:19:33

Highest Band Edge / 1 RB



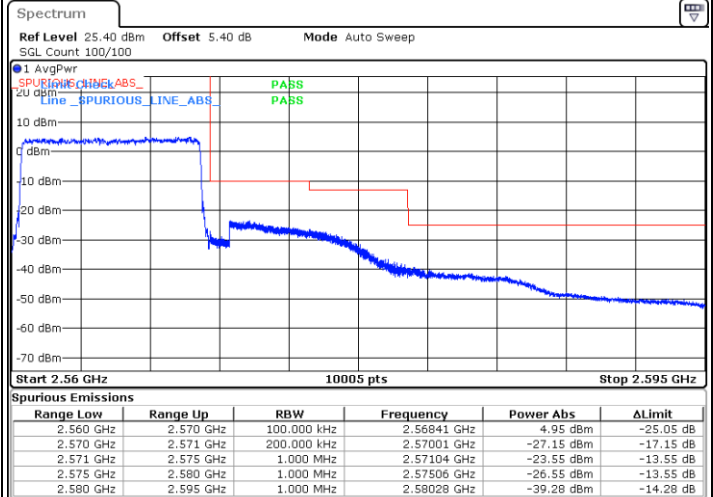
Date: 25 JUN.2021 13:29:25

Lowest Band Edge / Full RB



Date: 25 JUN.2021 13:24:03

Highest Band Edge / Full RB

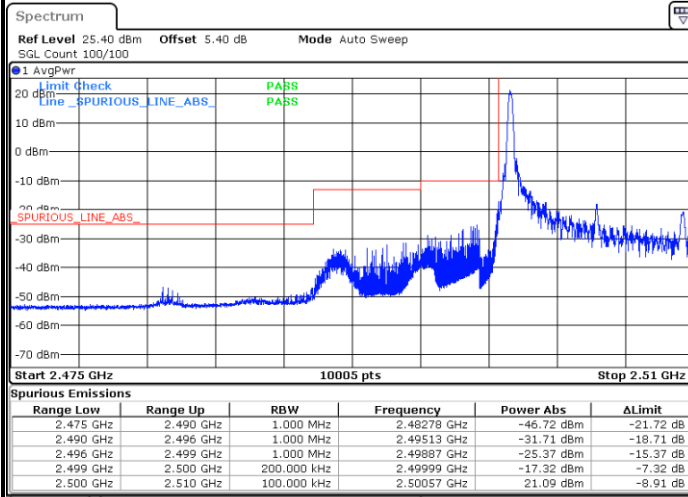


Date: 25 JUN.2021 13:33:56

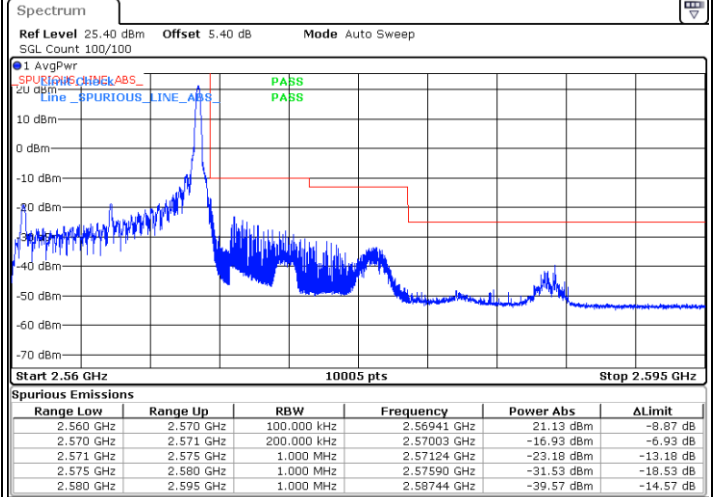


LTE Band 7 / 10MHz / 16QAM

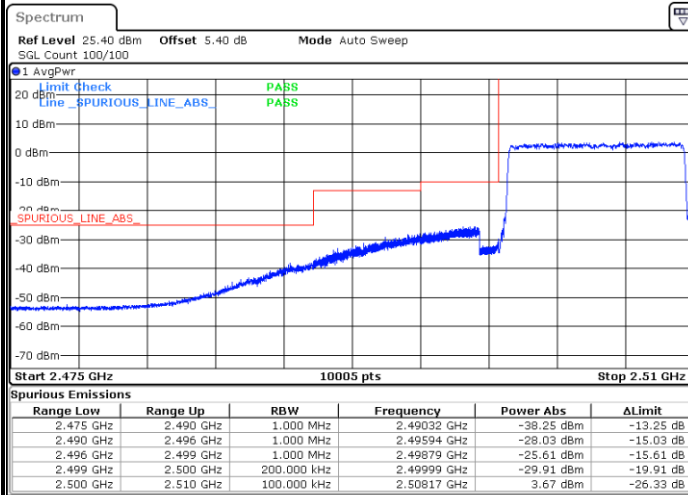
Lowest Band Edge / 1 RB



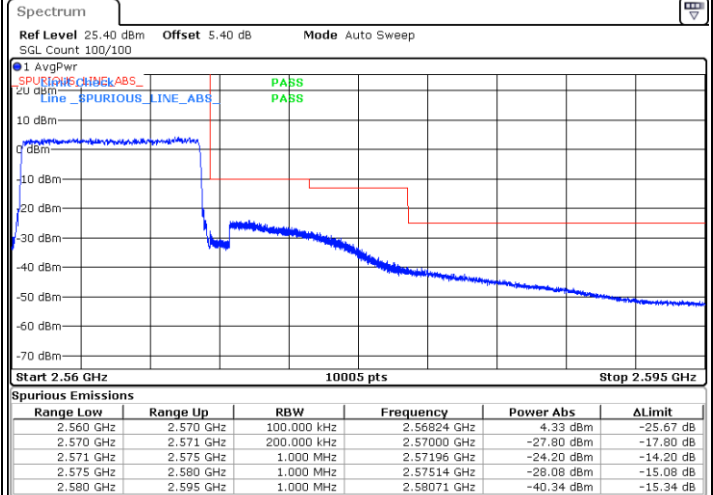
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



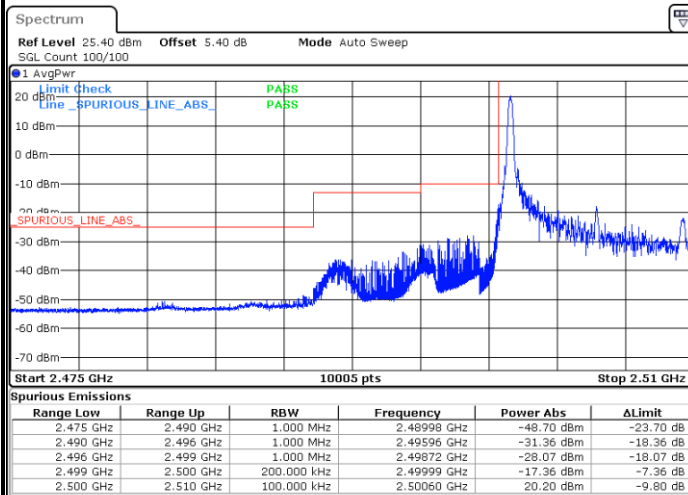
Highest Band Edge / Full RB



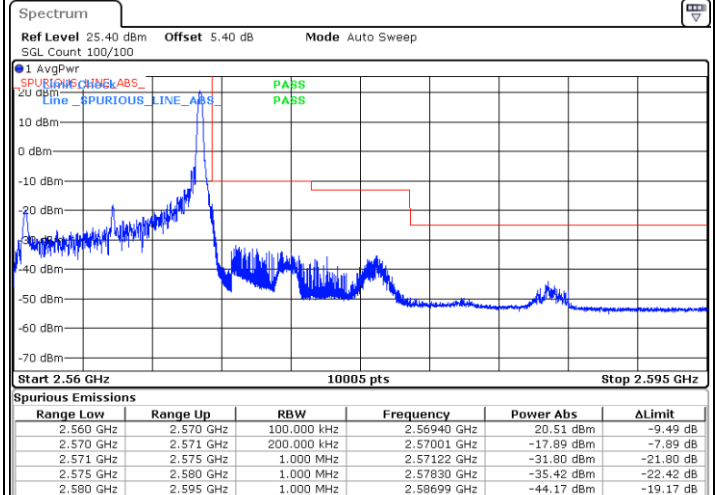


LTE Band 7 / 10MHz / 64QAM

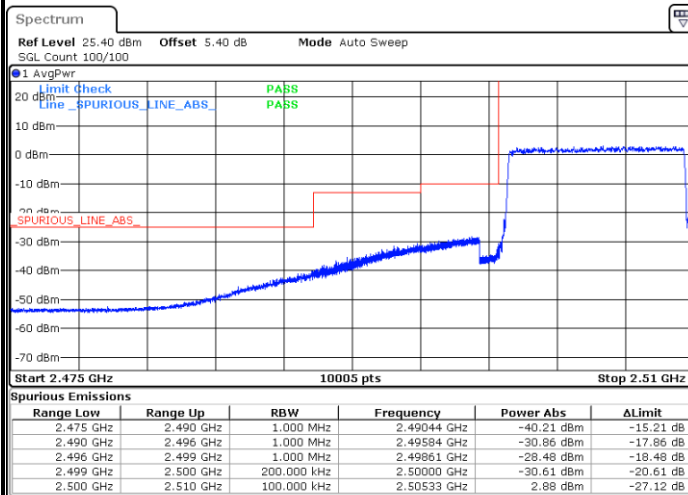
Lowest Band Edge / 1 RB



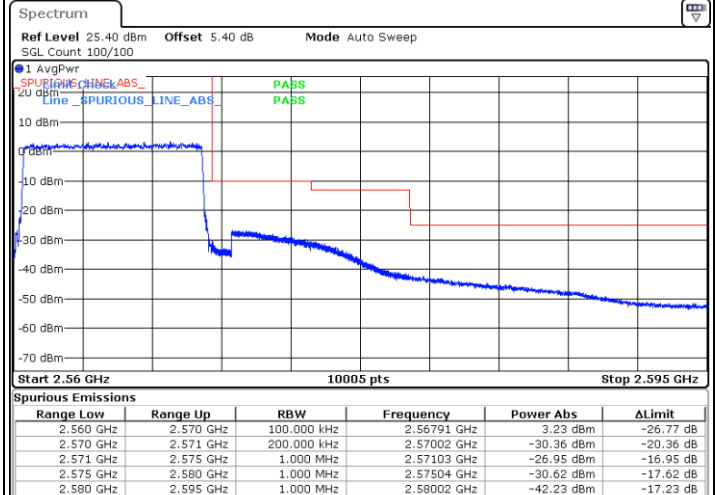
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



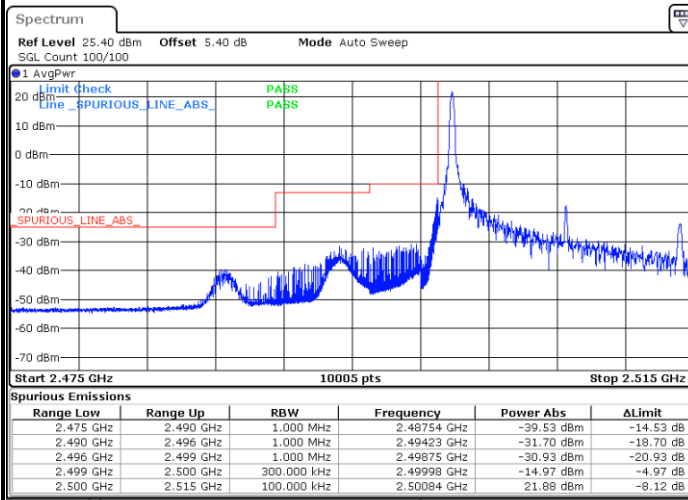
Highest Band Edge / Full RB





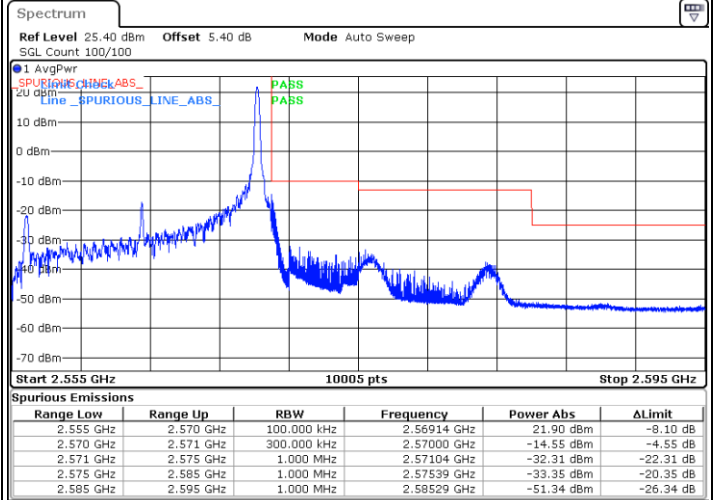
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



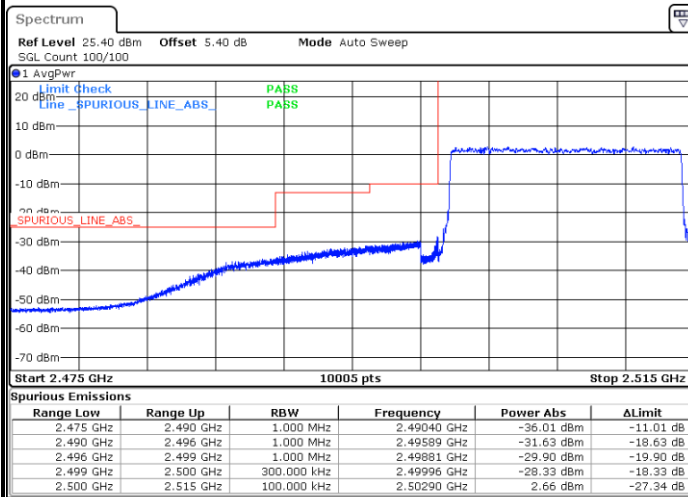
Date: 25 JUN. 2021 13:39:17

Highest Band Edge / 1 RB



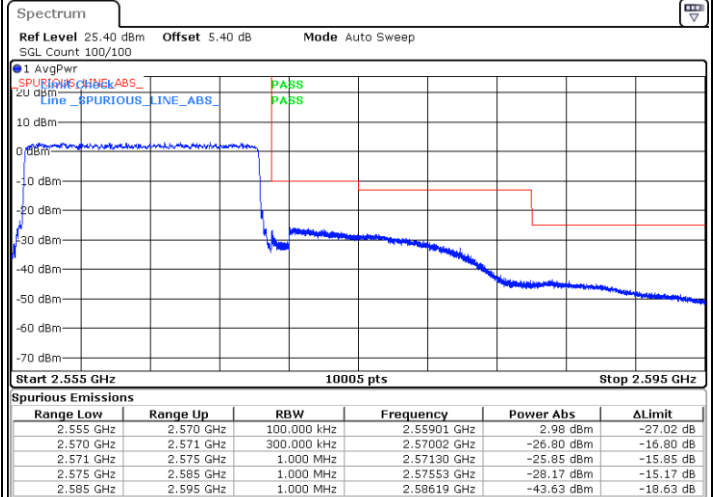
Date: 25 JUN. 2021 13:48:28

Lowest Band Edge / Full RB



Date: 25 JUN. 2021 13:43:23

Highest Band Edge / Full RB

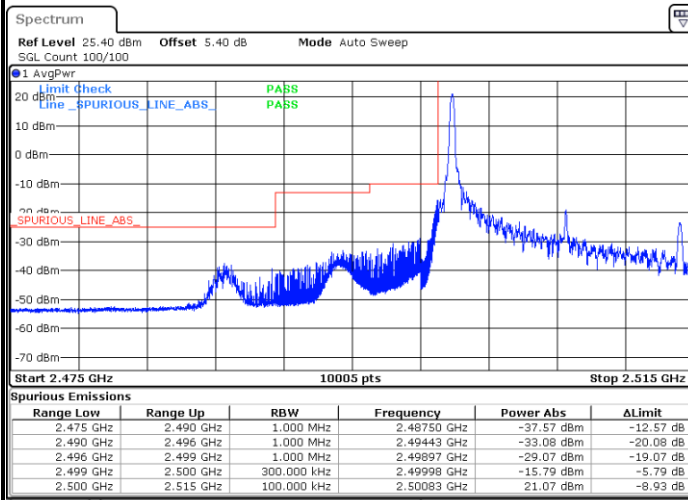


Date: 25 JUN. 2021 13:51:36



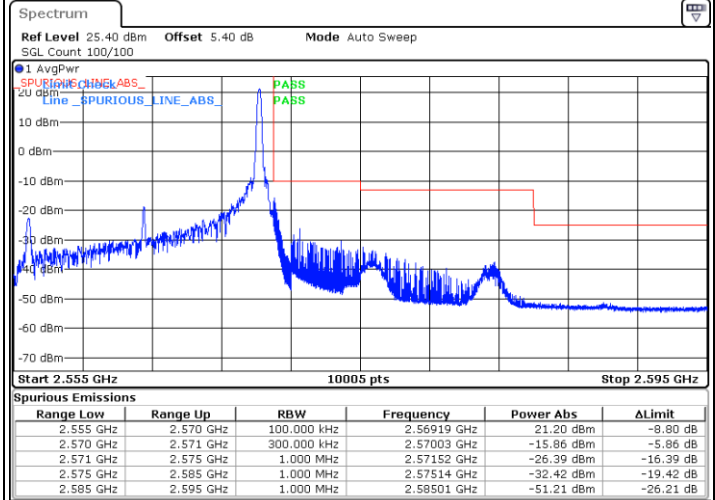
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



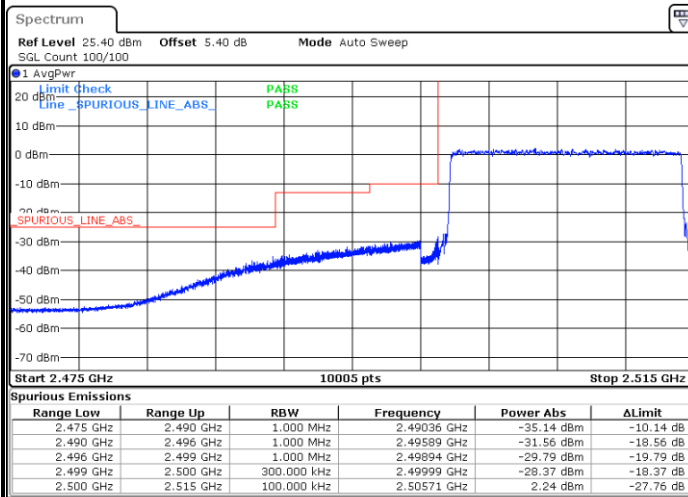
Date: 25 JUN. 2021 13:39:59

Highest Band Edge / 1 RB



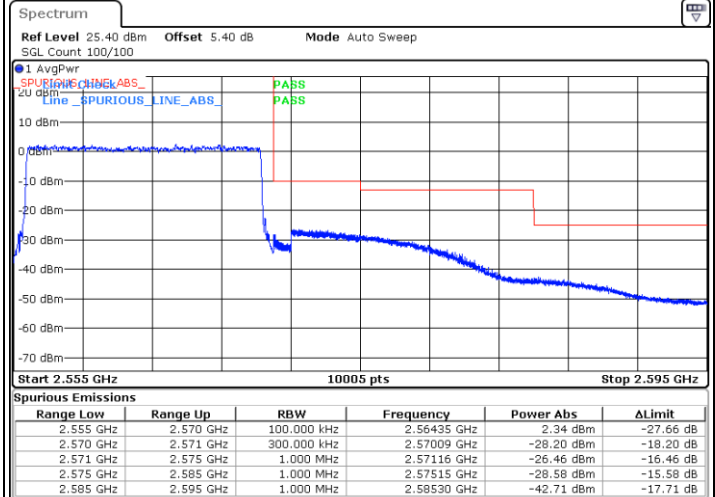
Date: 25 JUN. 2021 13:49:03

Lowest Band Edge / Full RB



Date: 25 JUN. 2021 13:42:47

Highest Band Edge / Full RB

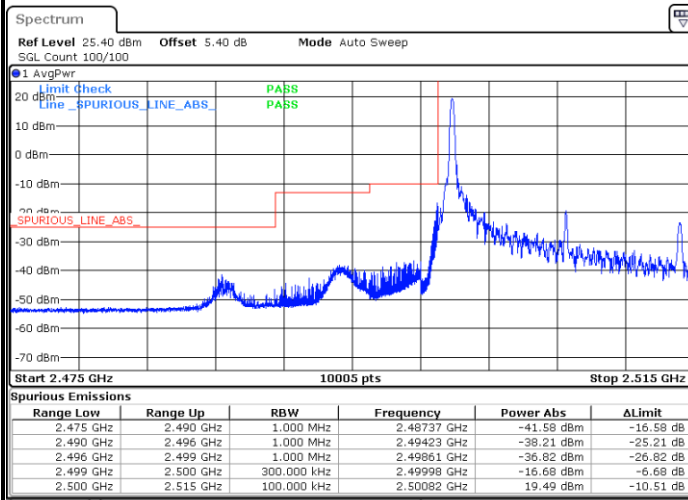


Date: 25 JUN. 2021 13:50:57

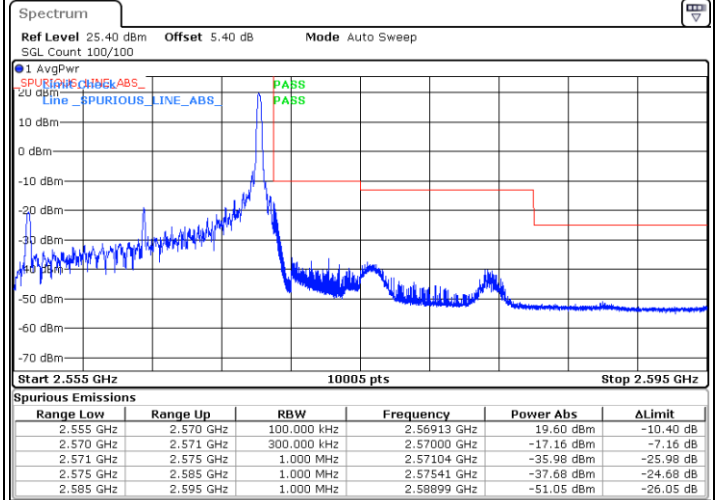


LTE Band 7 / 15MHz / 64QAM

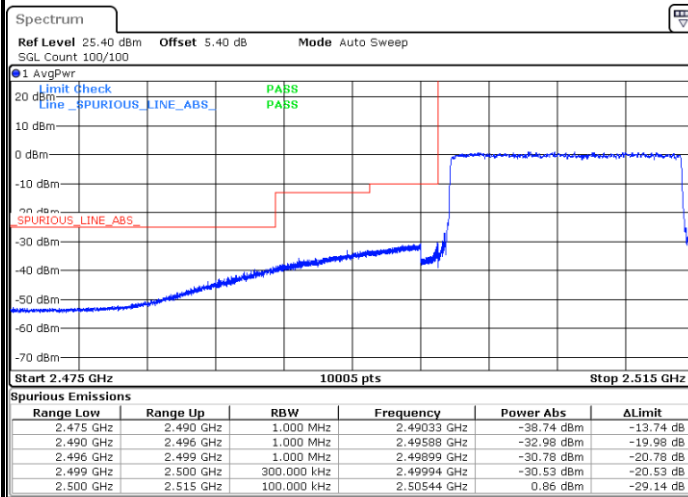
Lowest Band Edge / 1 RB



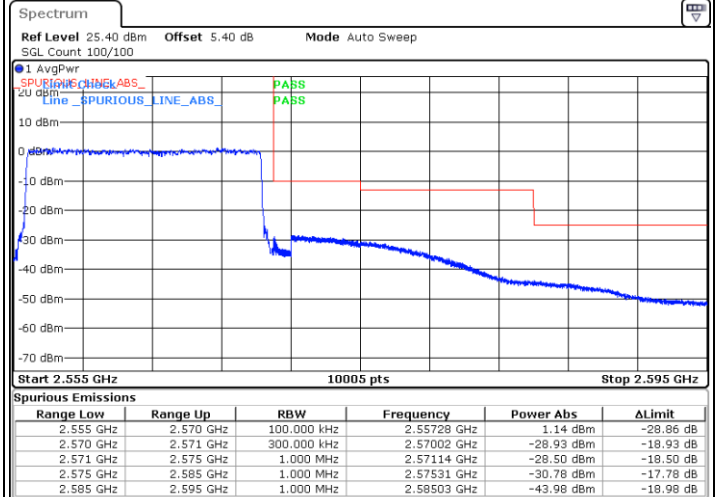
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



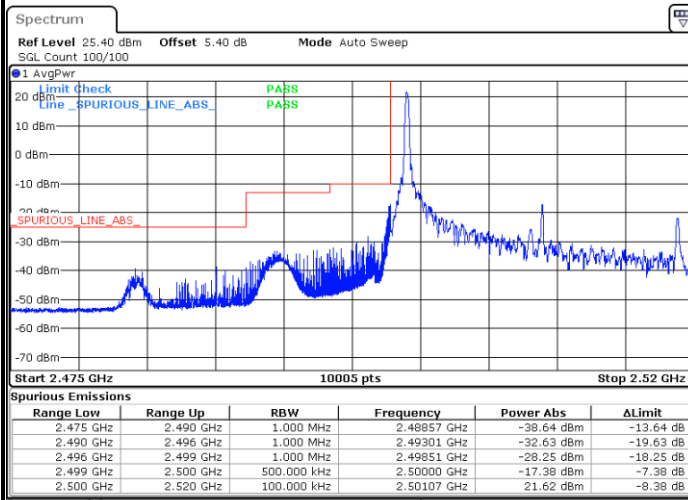
Highest Band Edge / Full RB





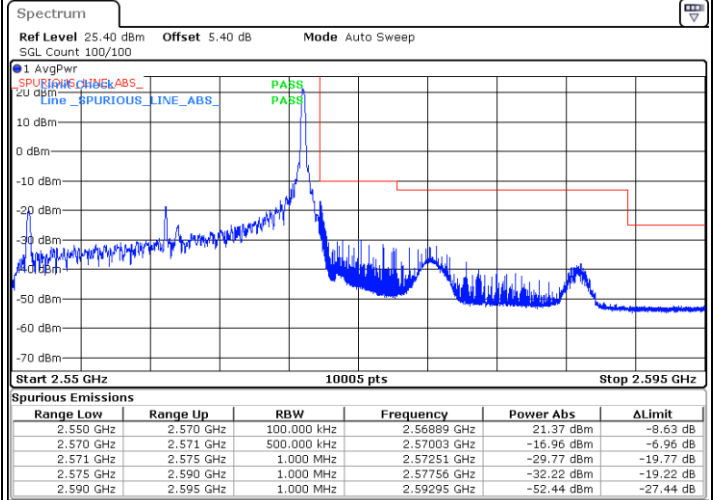
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



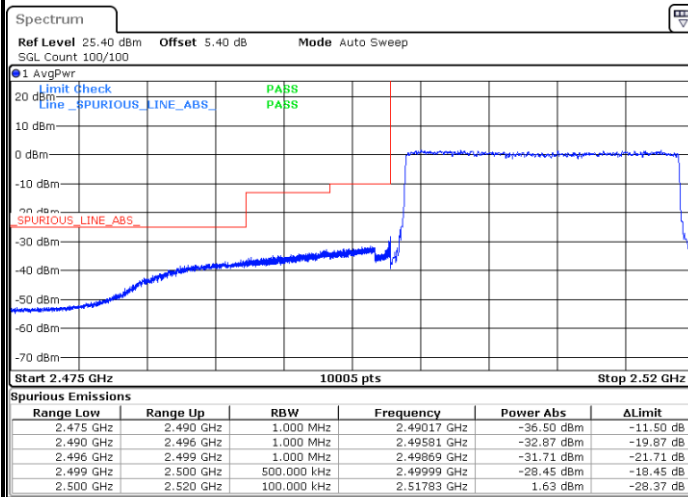
Date: 25 JUN.2021 13:56:59

Highest Band Edge / 1 RB



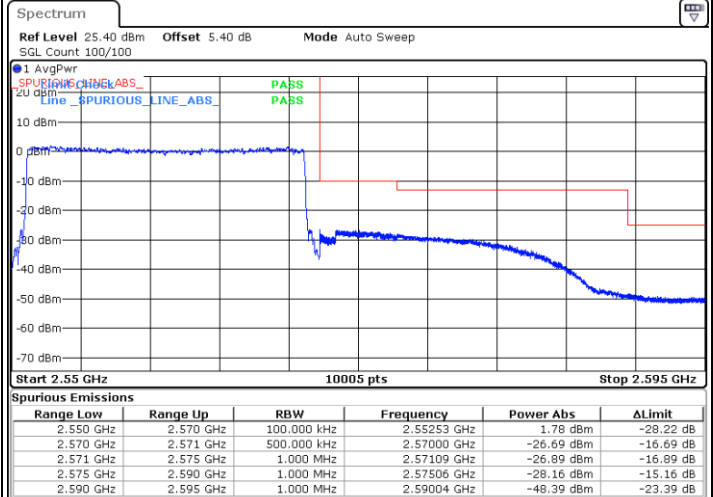
Date: 25 JUN.2021 14:11:09

Lowest Band Edge / Full RB



Date: 25 JUN.2021 14:00:05

Highest Band Edge / Full RB

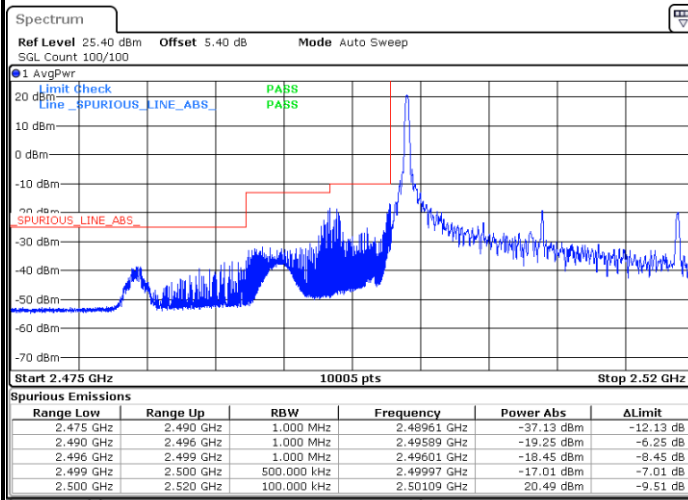


Date: 25 JUN.2021 14:14:11

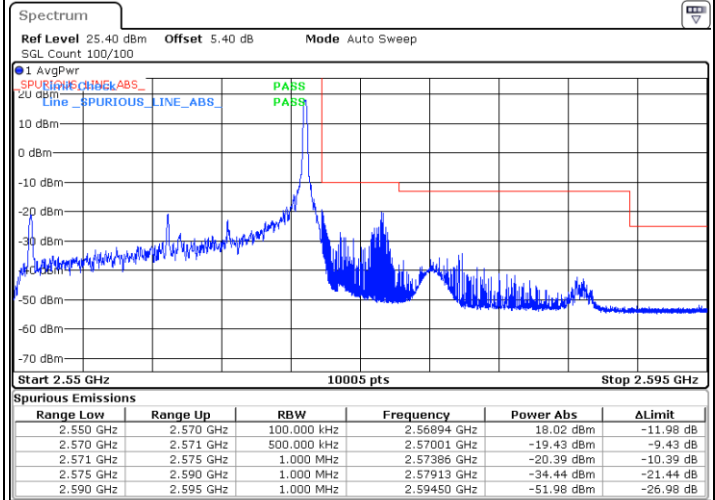


LTE Band 7 / 20MHz / 16QAM

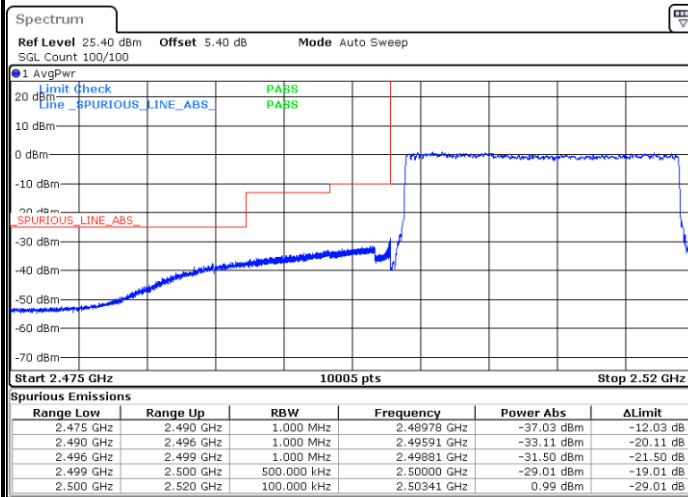
Lowest Band Edge / 1 RB



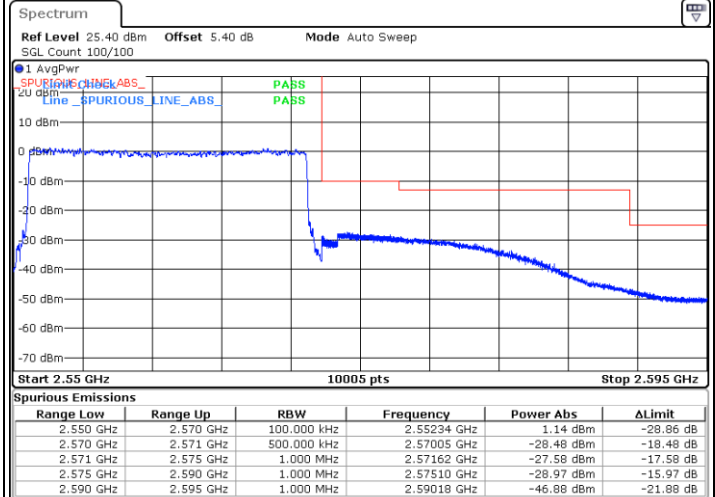
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



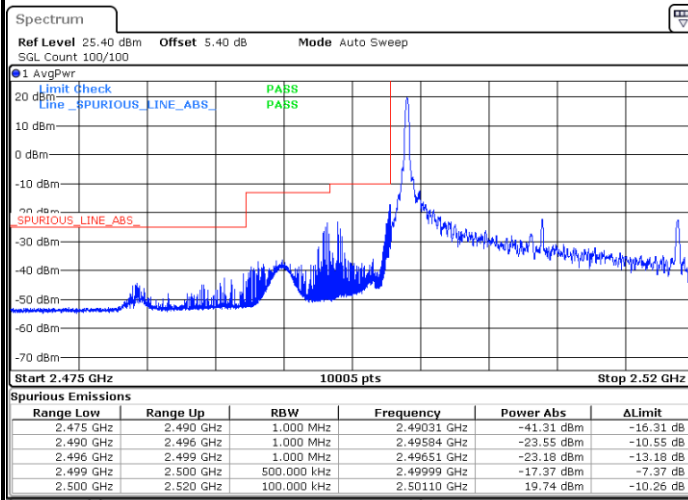
Highest Band Edge / Full RB



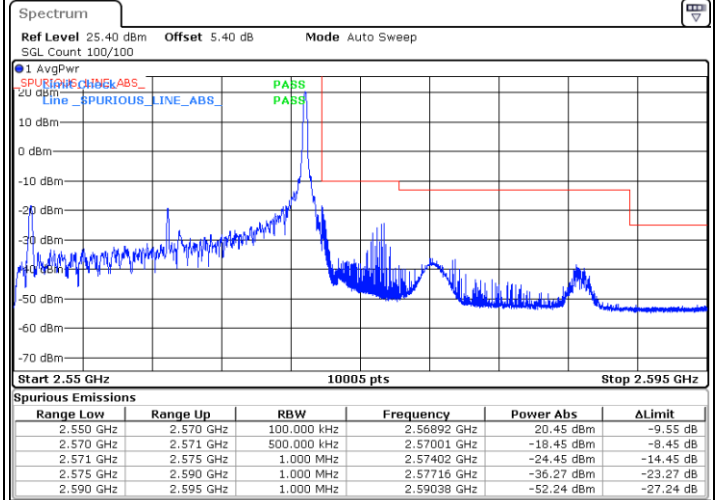


LTE Band 7 / 20MHz / 64QAM

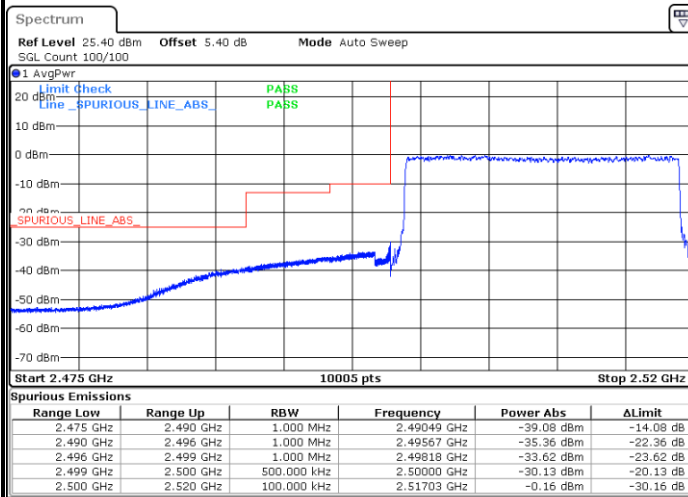
Lowest Band Edge / 1 RB



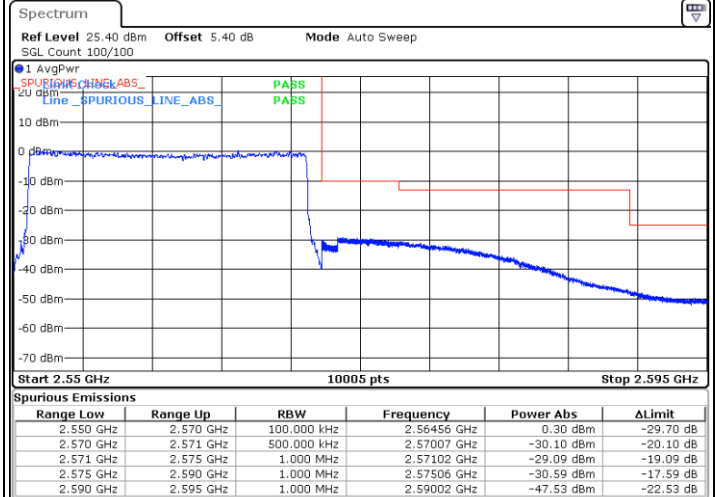
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

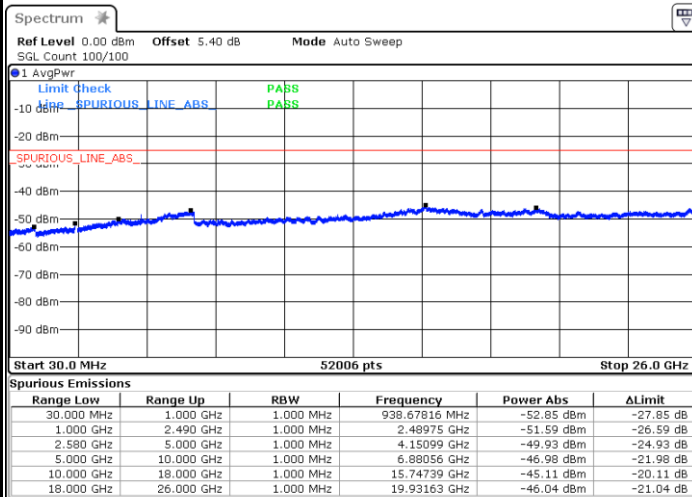




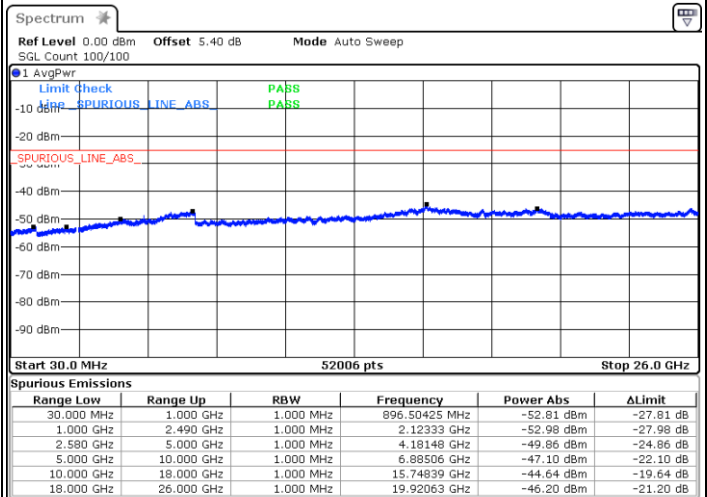
Conducted Spurious Emission

LTE Band 7 / 5MHz

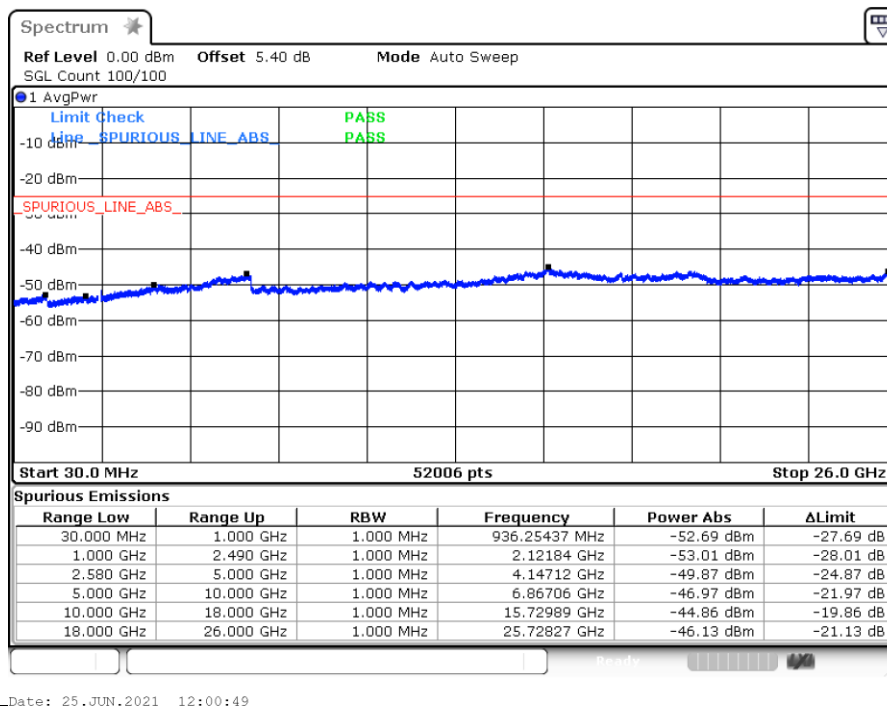
Lowest Channel / QPSK



Middle Channel / QPSK



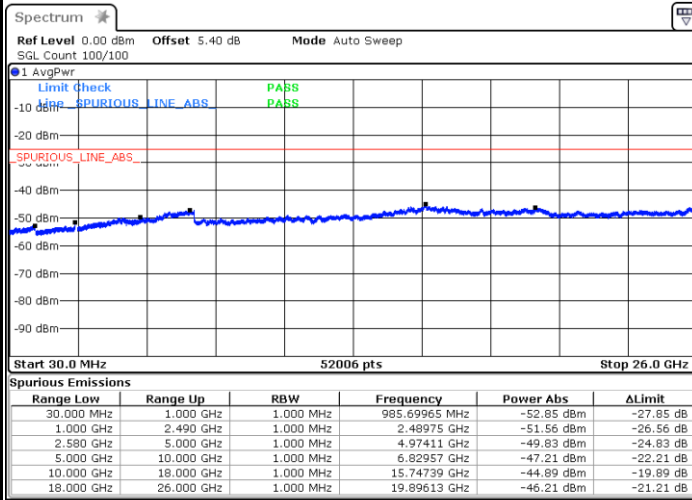
Highest Channel / QPSK





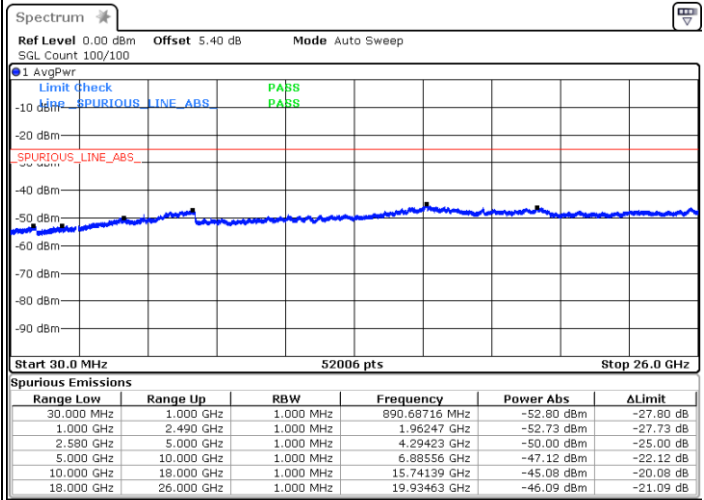
LTE Band 7 / 10MHz

Lowest Channel / QPSK



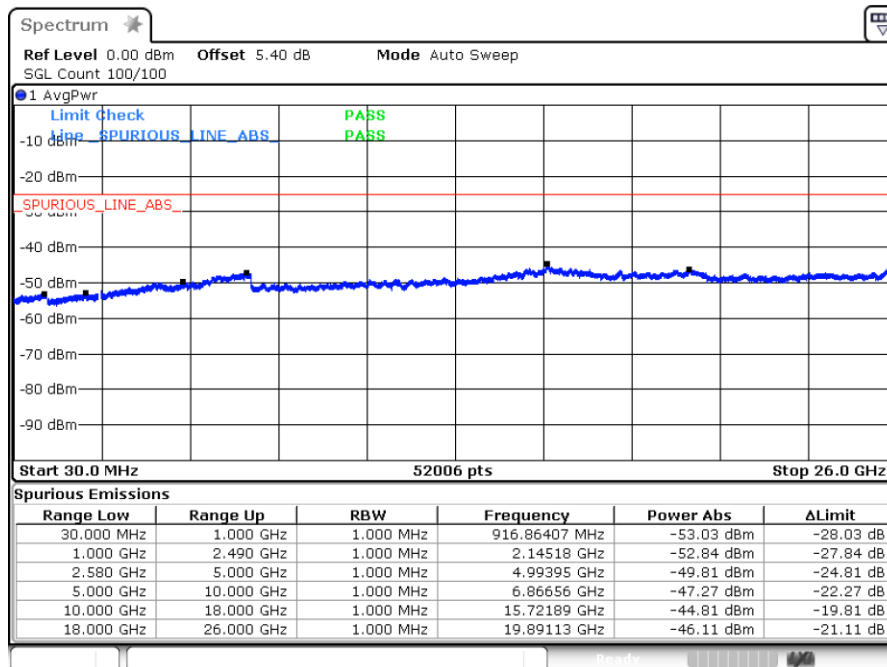
Date: 25.JUN.2021 13:17:47

Middle Channel / QPSK



Date: 25.JUN.2021 13:26:10

Highest Channel / QPSK

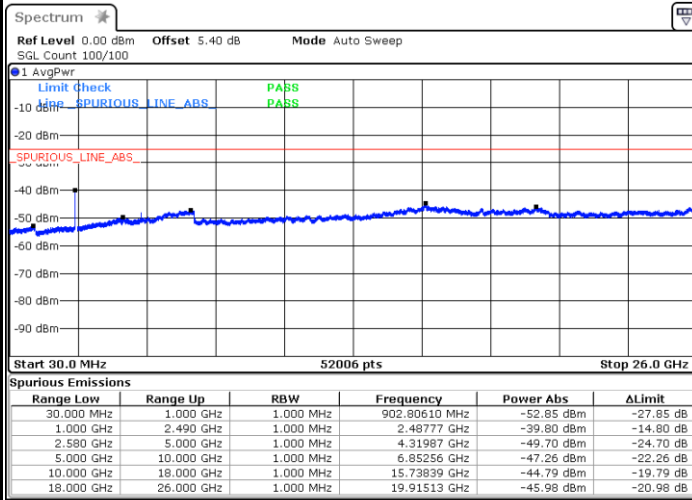


Date: 25.JUN.2021 13:28:22



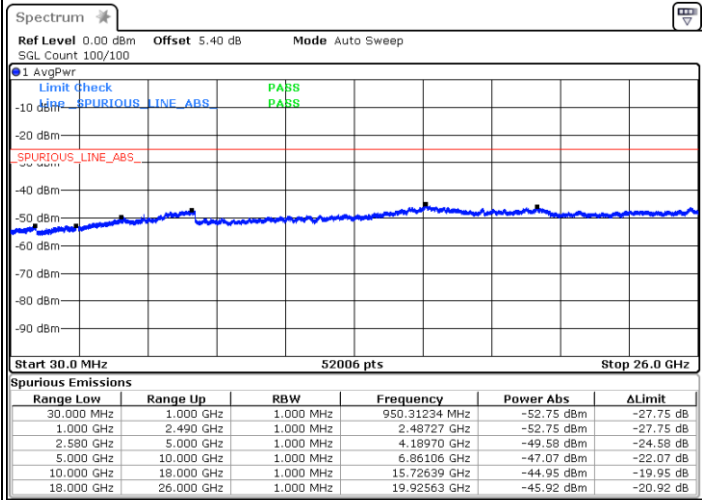
LTE Band 7 / 15MHz

Lowest Channel / QPSK



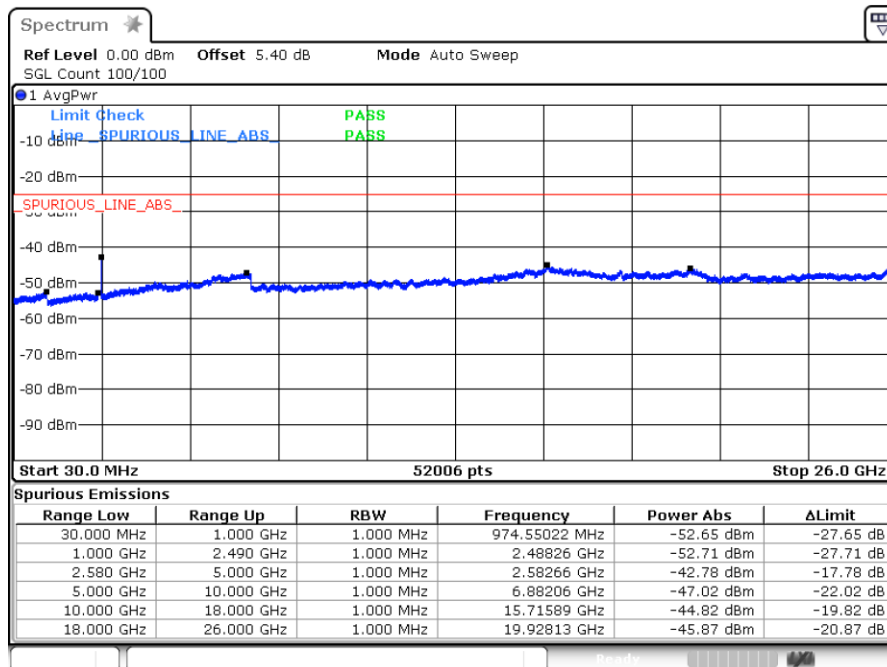
Date: 25 JUN 2021 13:38:19

Middle Channel / QPSK



Date: 25 JUN 2021 13:45:08

Highest Channel / QPSK

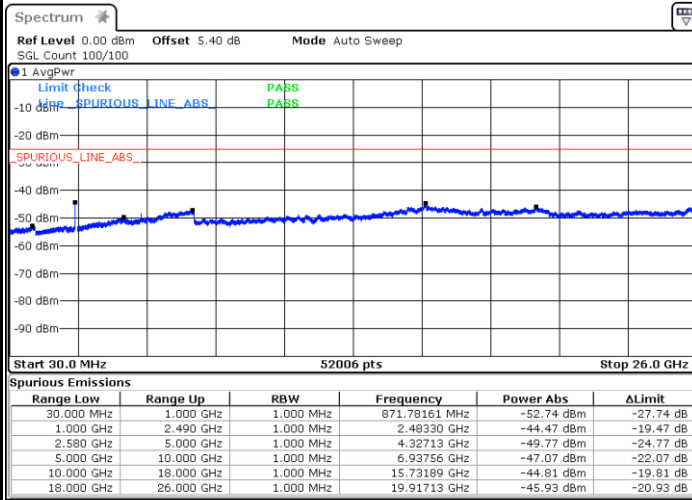


Date: 25 JUN 2021 13:47:13



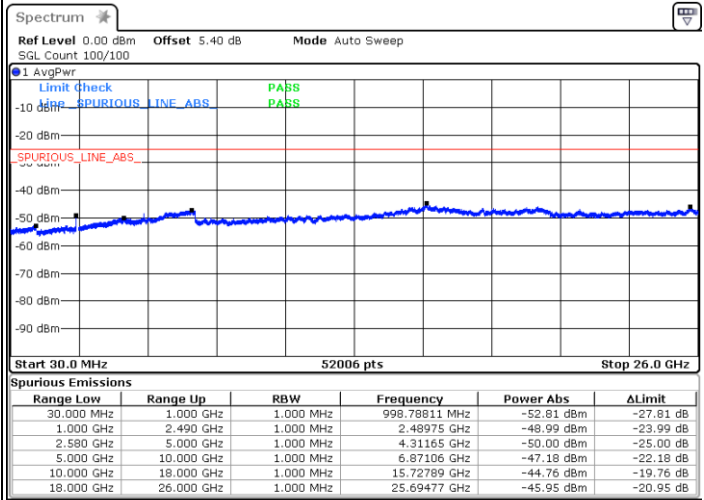
LTE Band 7 / 20MHz

Lowest Channel / QPSK



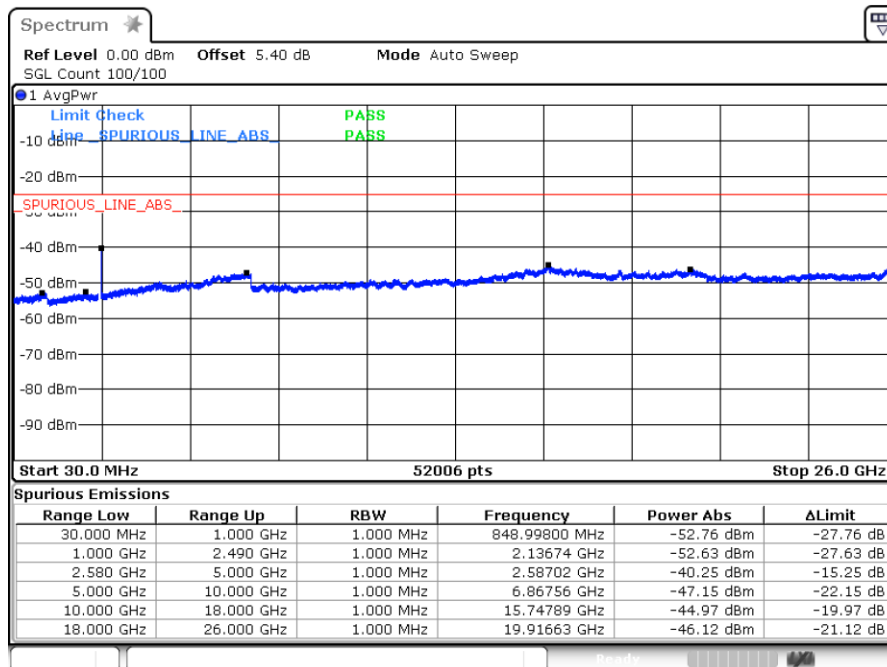
Date: 25.JUN.2021 13:55:40

Middle Channel / QPSK



Date: 25.JUN.2021 14:02:12

Highest Channel / QPSK



Date: 25.JUN.2021 14:10:08

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	0.0008	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0011	

Note:

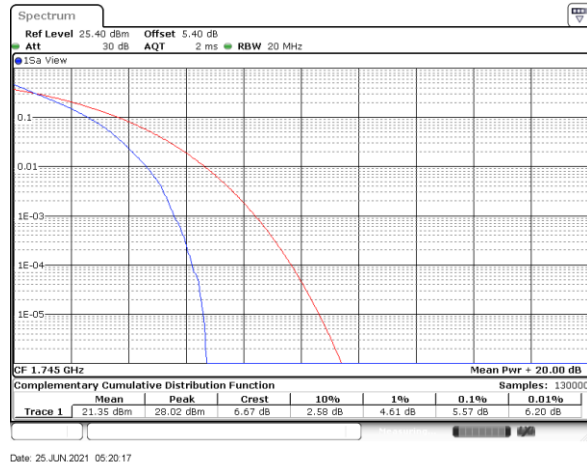
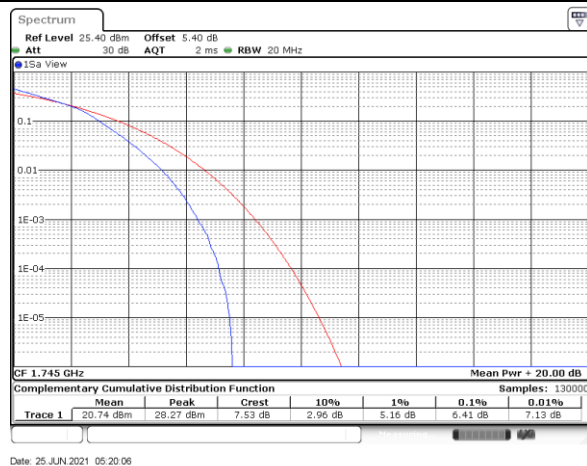
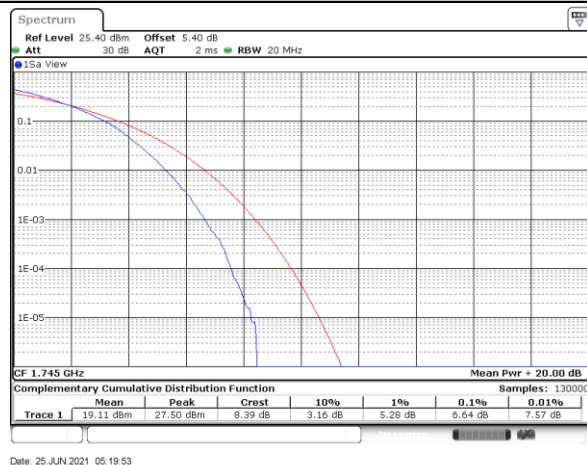
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

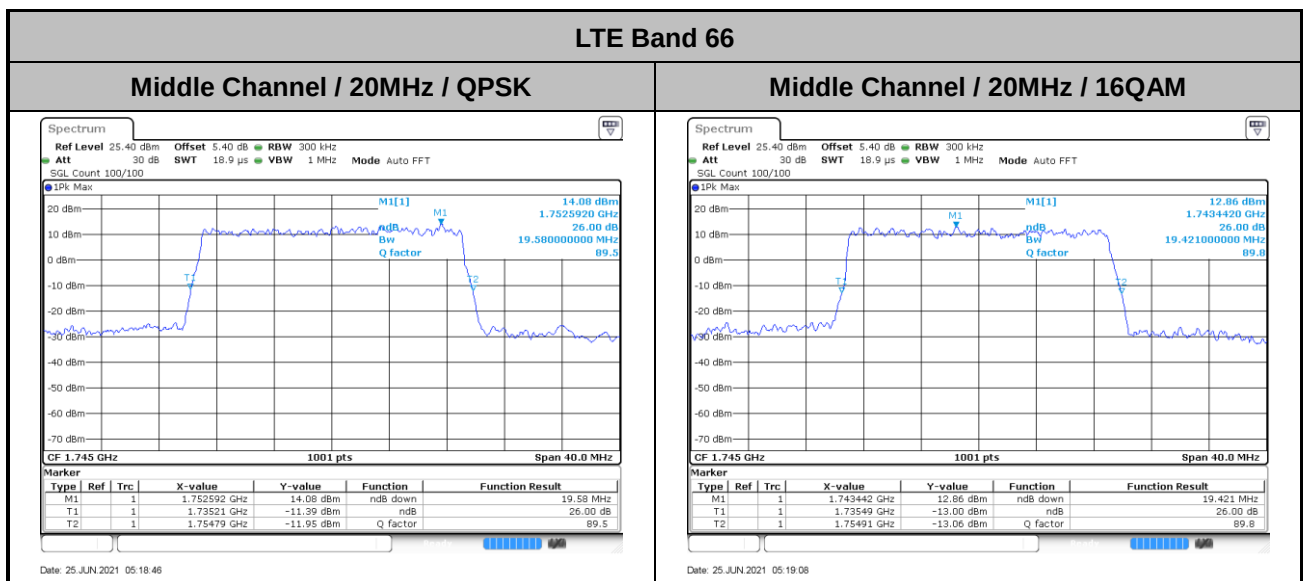
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.57	6.41	6..64	PASS

LTE Band 66 / 20MHz
Middle Channel / Full RB/ QPSK

Middle Channel / Full RB/ 16QAM

Middle Channel / Full RB/ 64QAM


**26dB Bandwidth**

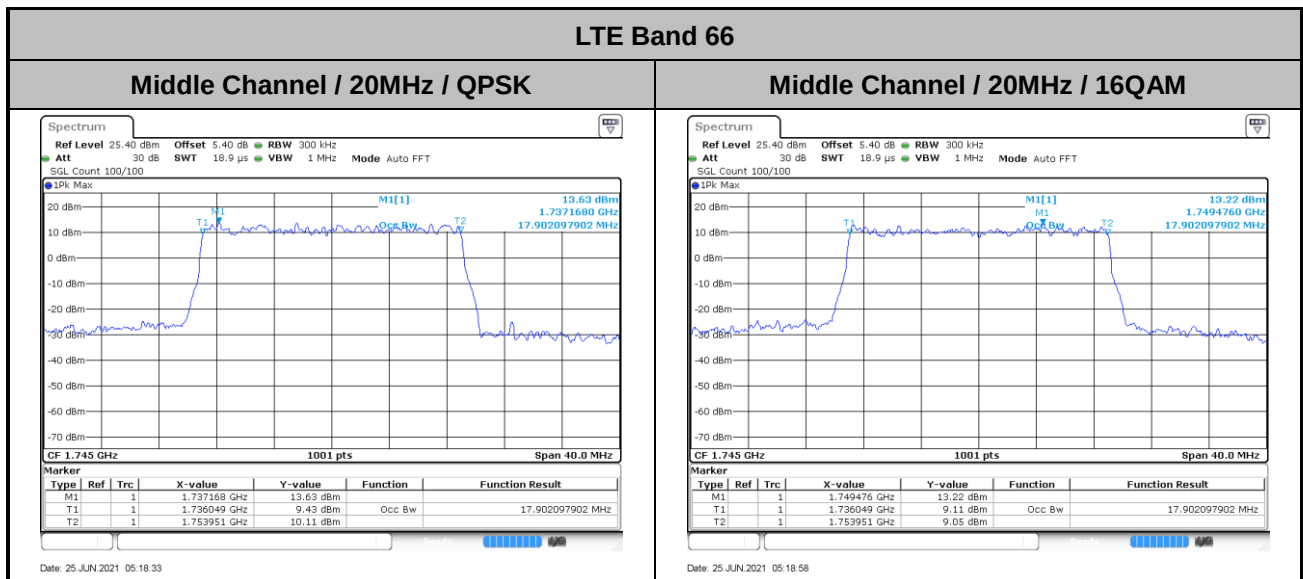
Mode	LTE Band 66 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.58	19.42





Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.90

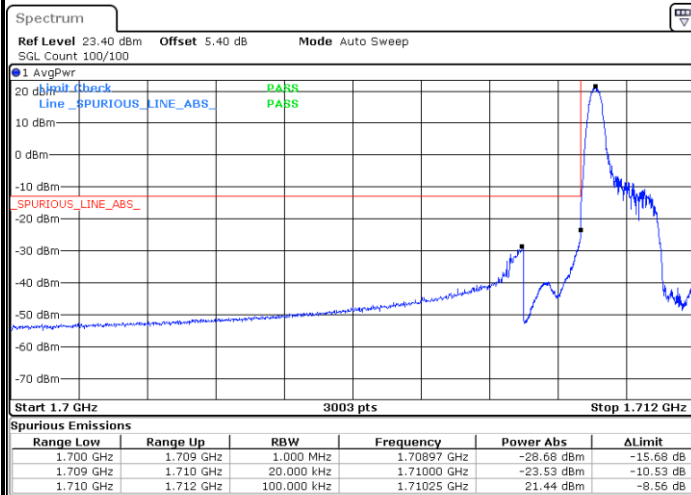




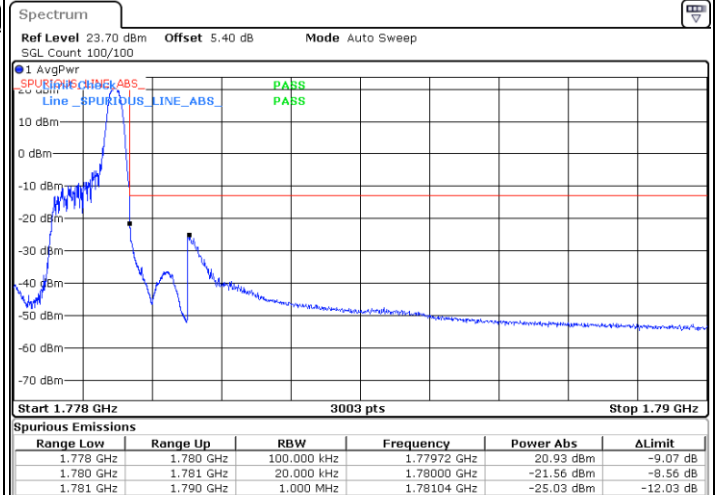
Conducted Band Edge

LTE Band 66 / 1.4MHz / QPSK

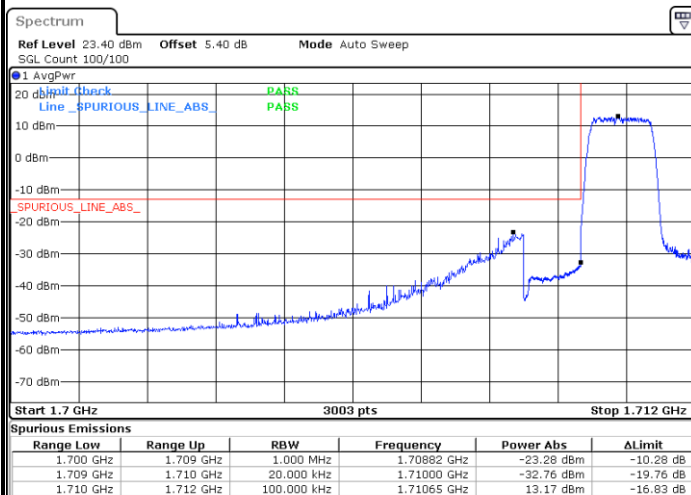
Lowest Band Edge / 1RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

