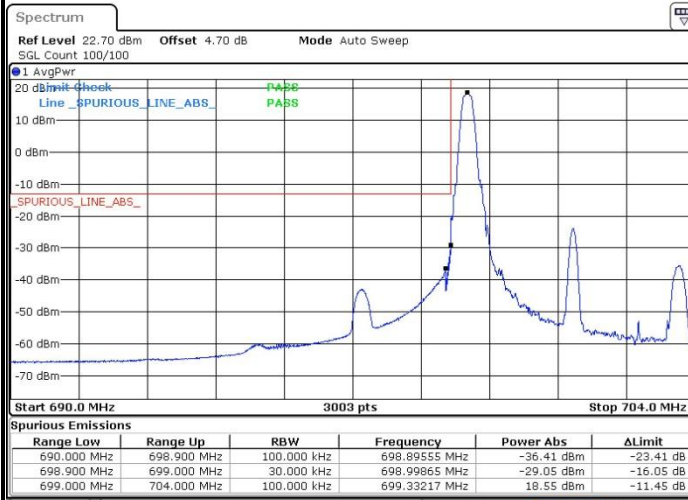


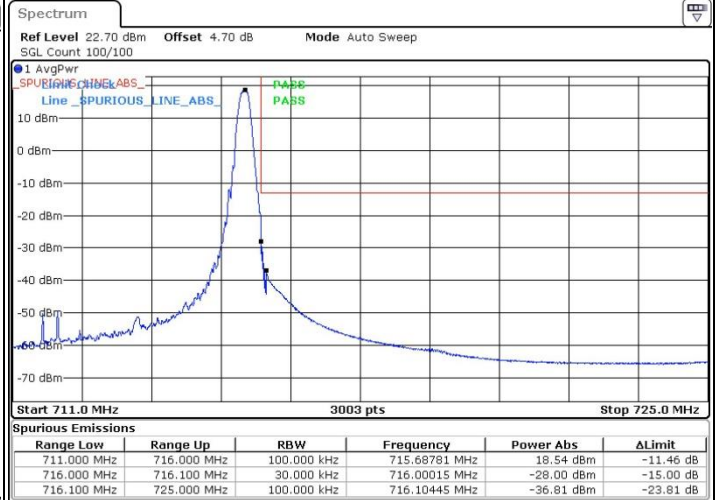


LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



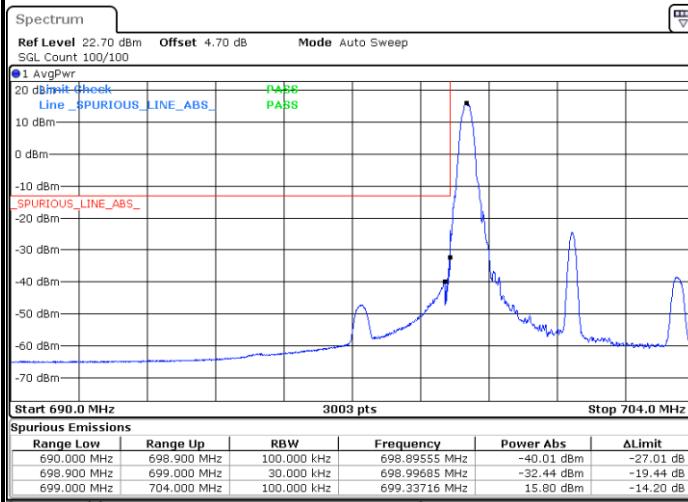
Highest Band Edge / Full RB



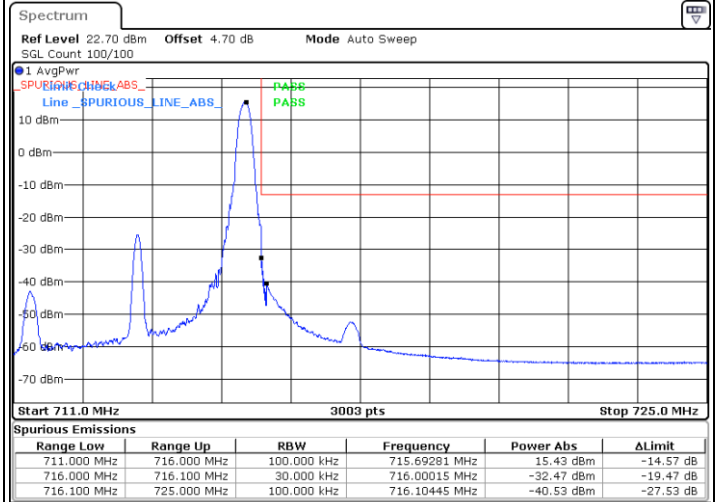


LTE Band 12 / 5MHz / 256QAM

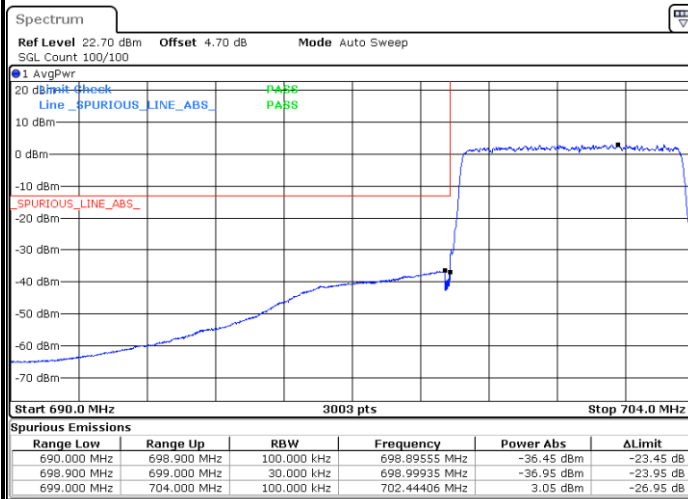
Lowest Band Edge / 1RB



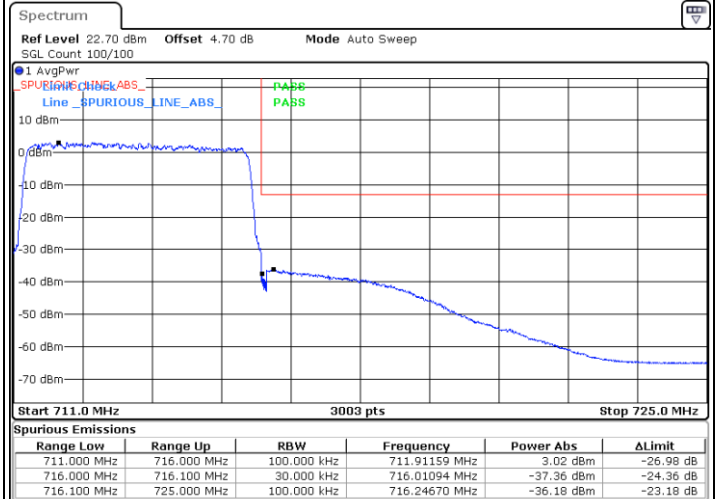
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



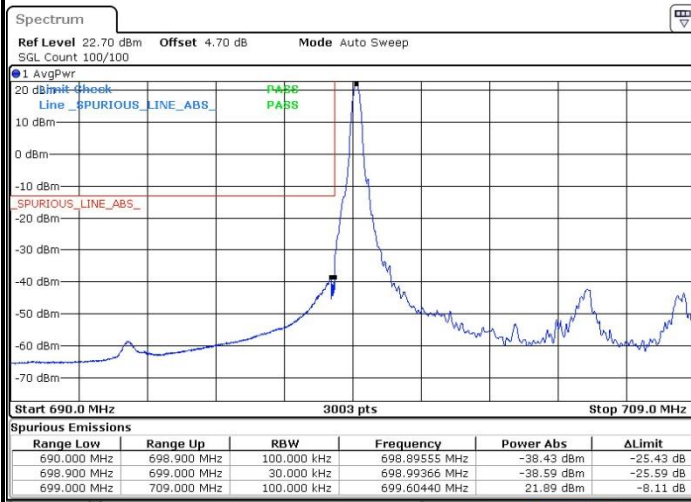
Highest Band Edge / Full RB



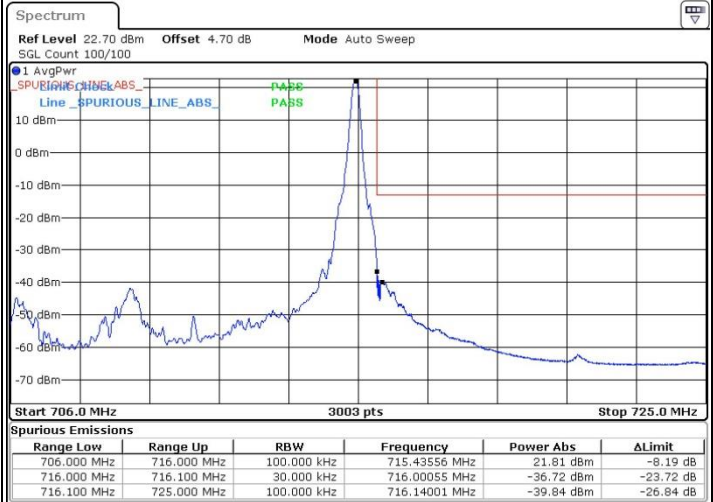


LTE Band 12 / 10MHz / QPSK

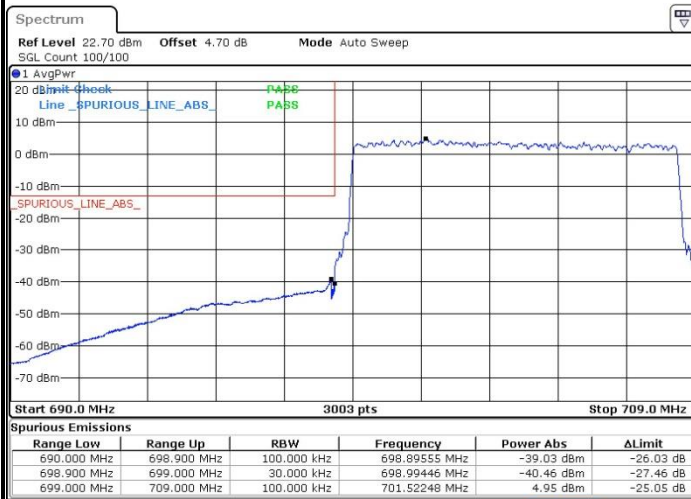
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



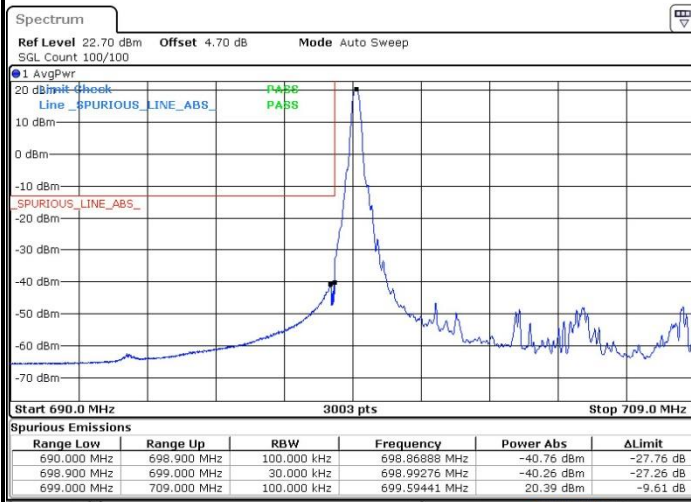
Highest Band Edge / Full RB



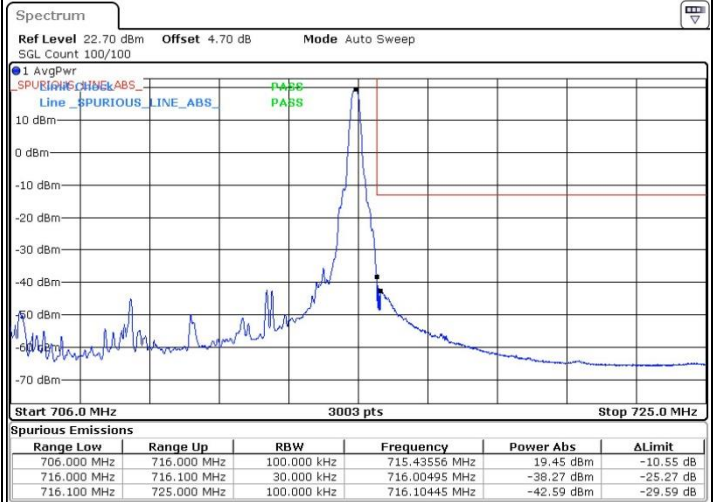


LTE Band 12 / 10MHz / 16QAM

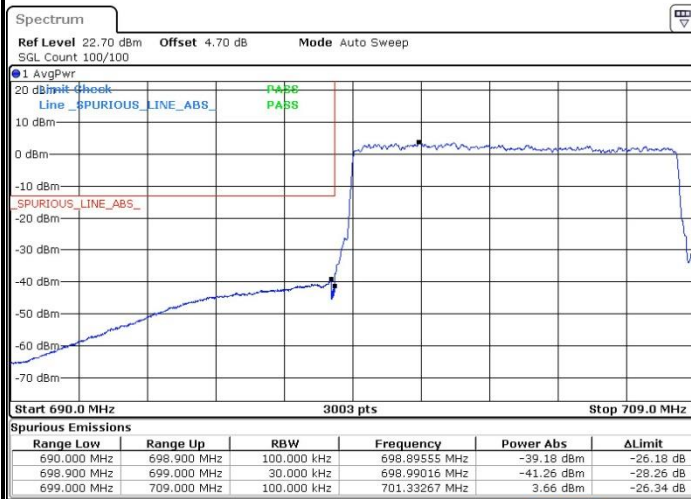
Lowest Band Edge / 1 RB



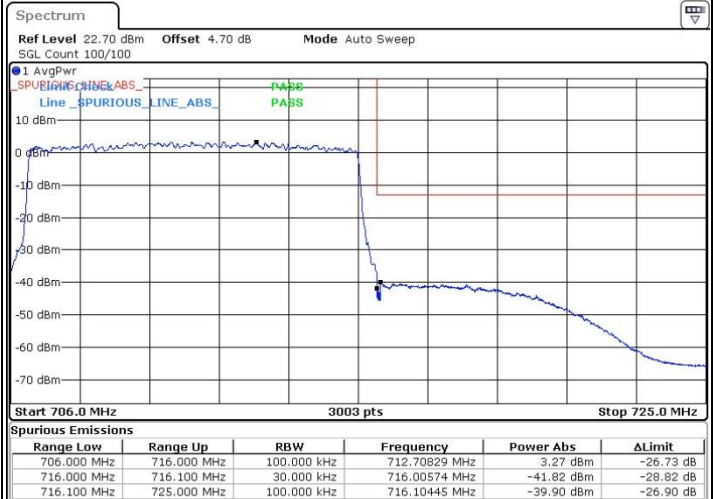
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



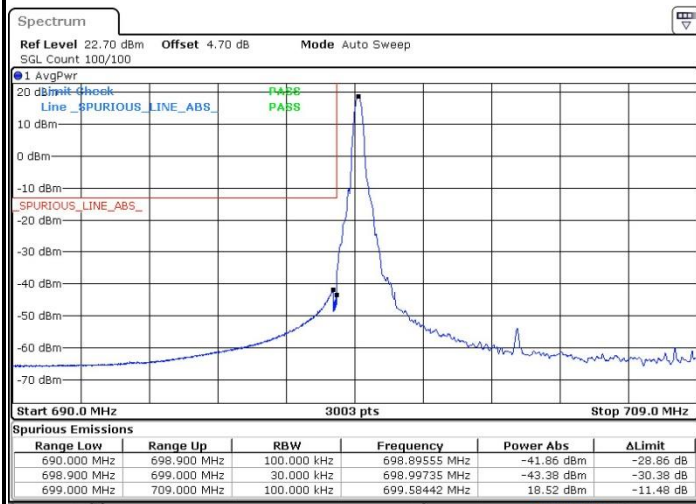
Highest Band Edge / Full RB



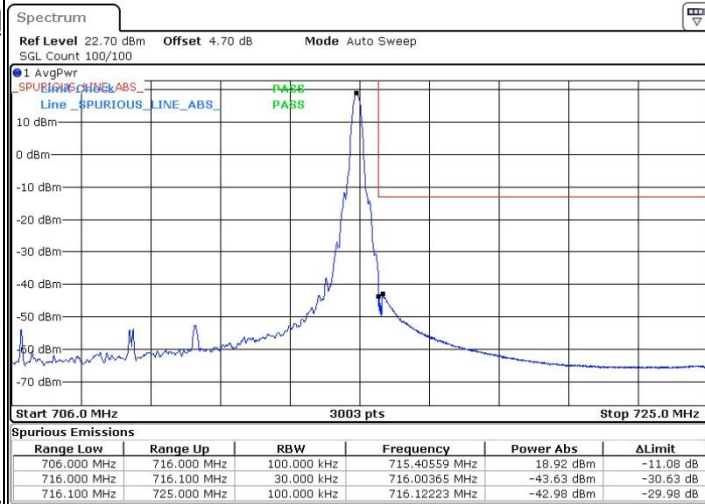


LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



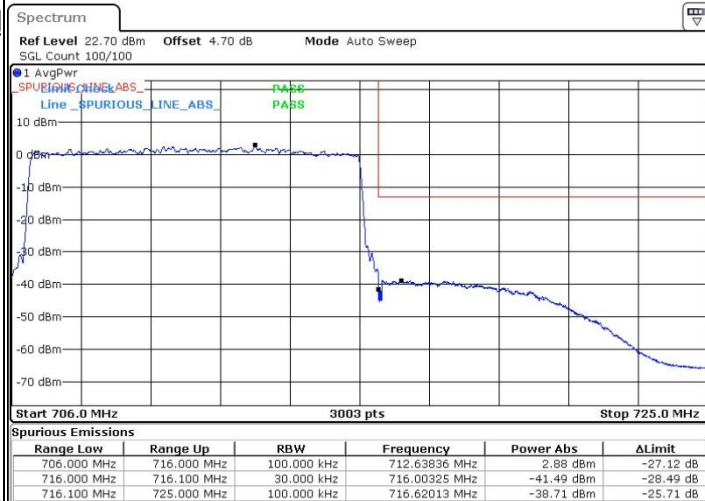
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



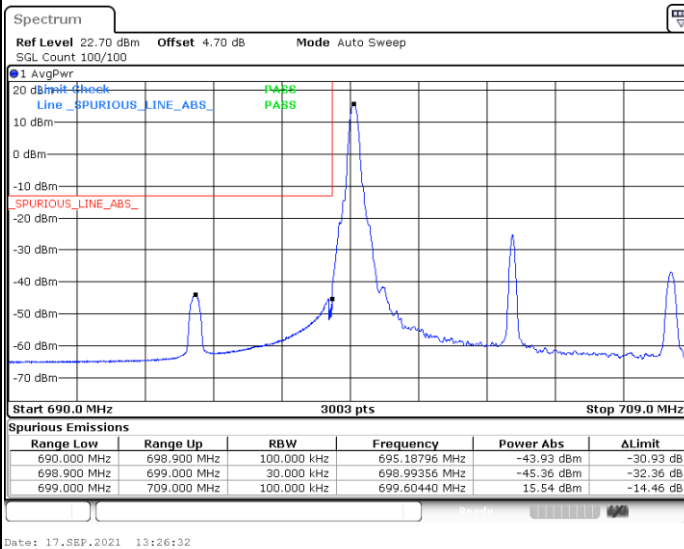
Highest Band Edge / Full RB



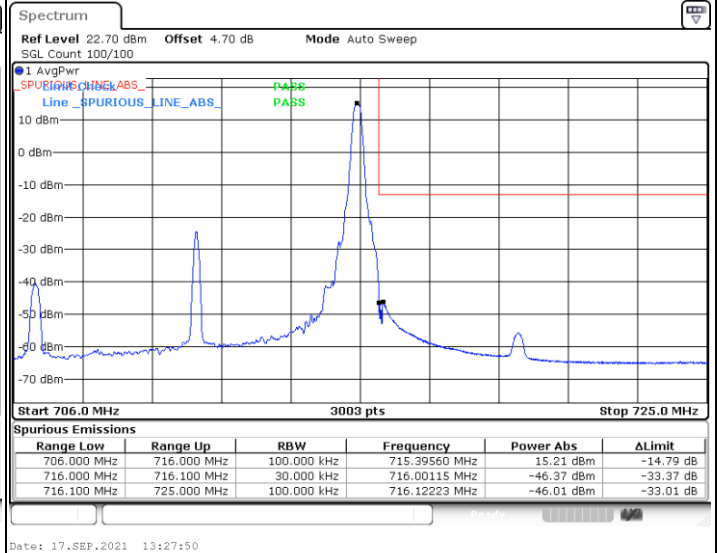


LTE Band 12 / 10MHz / 256QAM

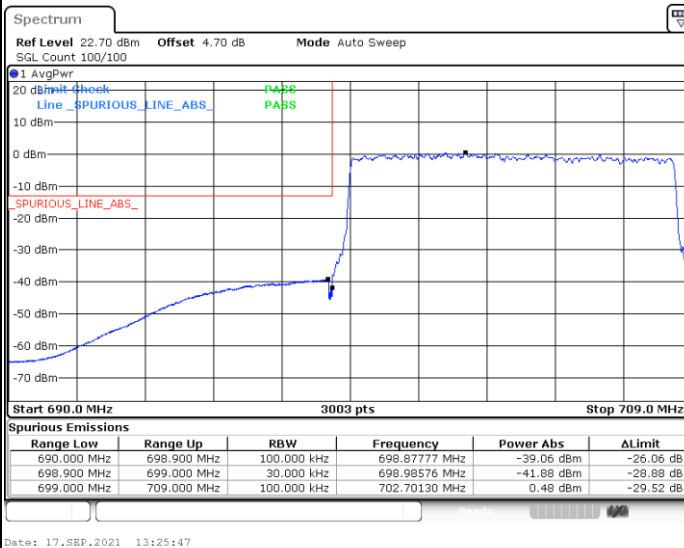
Lowest Band Edge / 1 RB



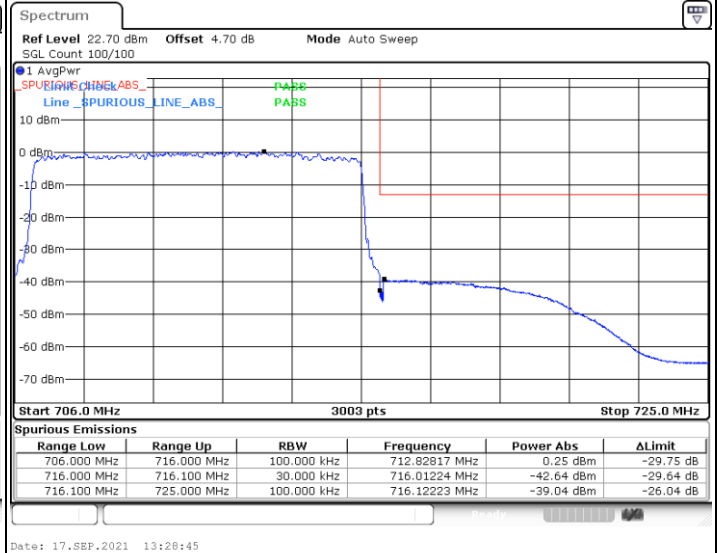
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



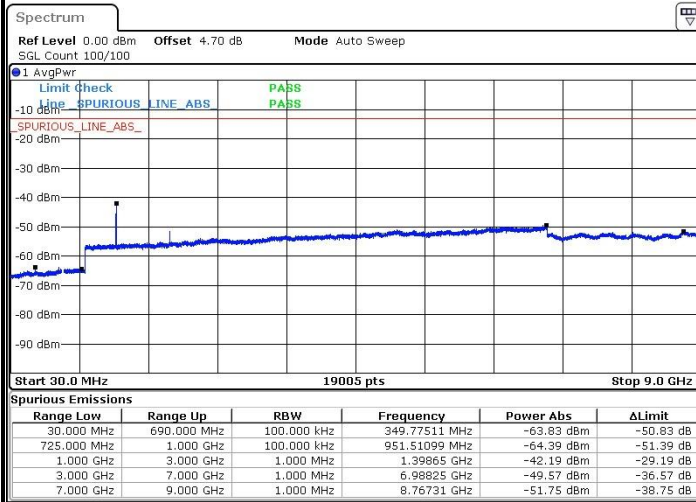


Conducted Spurious Emission



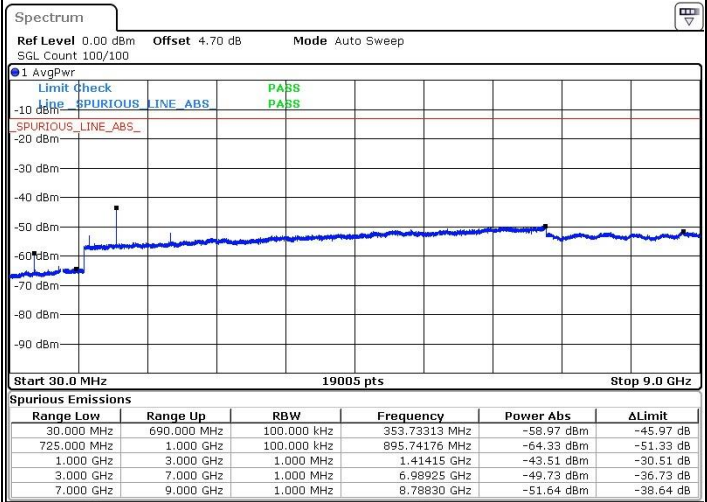
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



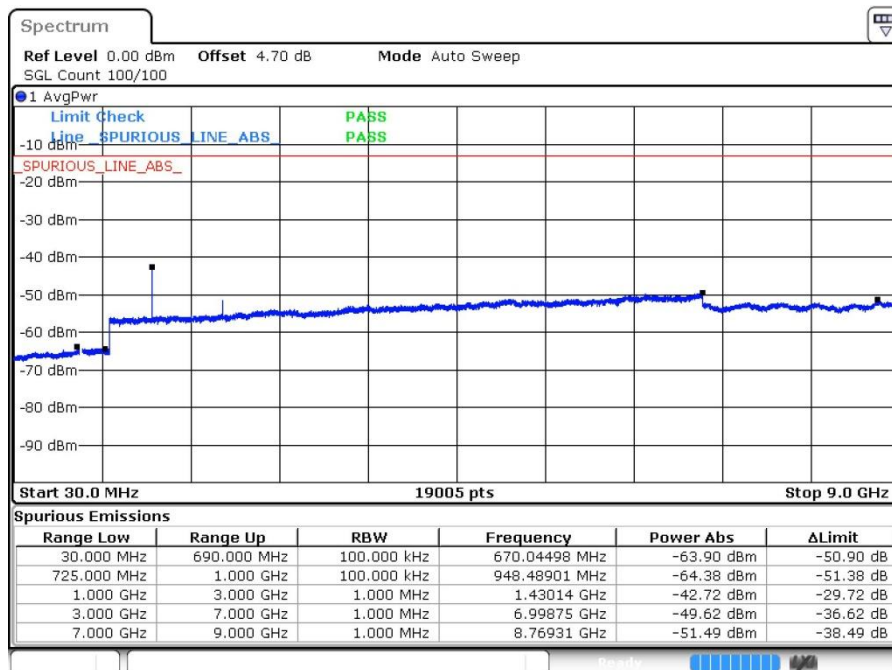
Date: 2 SEP. 2021 00:05:02

Middle Channel / QPSK



Date: 2 SEP. 2021 00:05:27

Highest Channel / QPSK

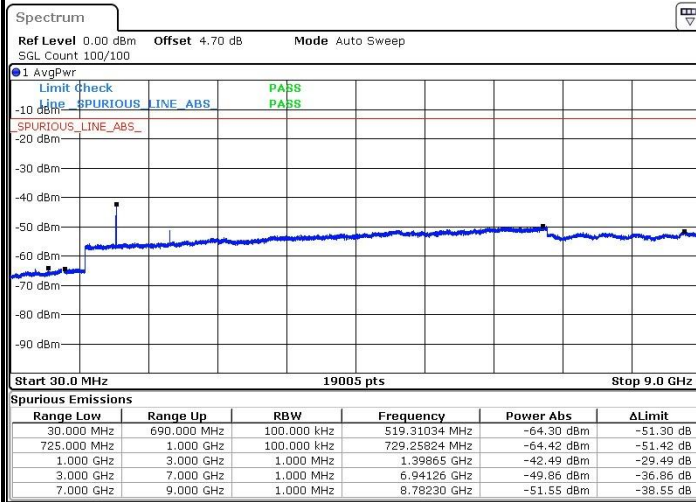


Date: 2 SEP. 2021 00:05:54



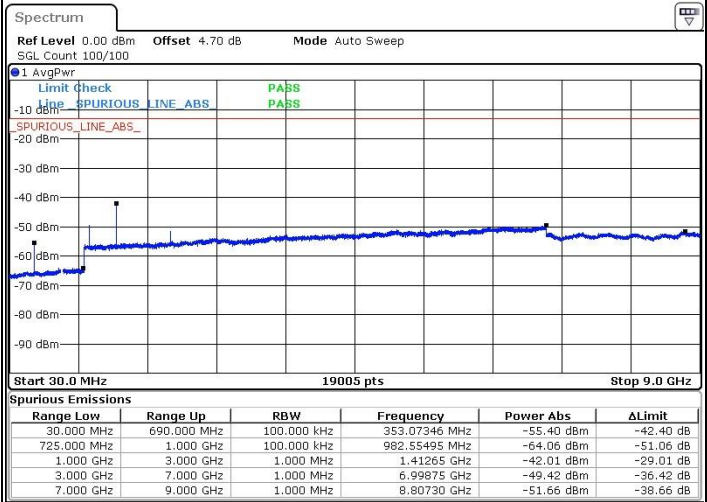
LTE Band 12 / 3MHz

Lowest Channel / QPSK



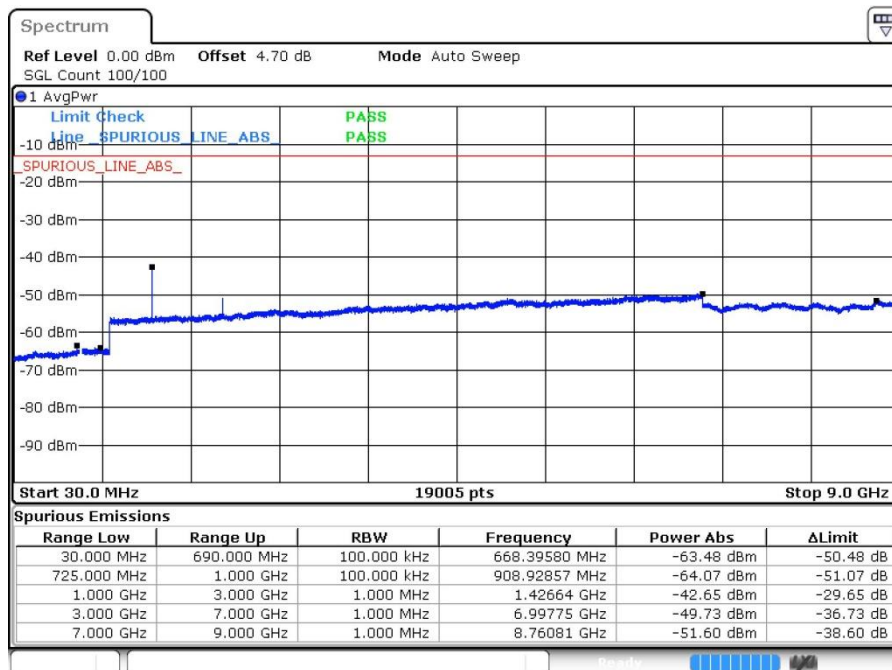
Date: 2 SEP. 2021 00:03:22

Middle Channel / QPSK



Date: 2 SEP. 2021 00:03:48

Highest Channel / QPSK

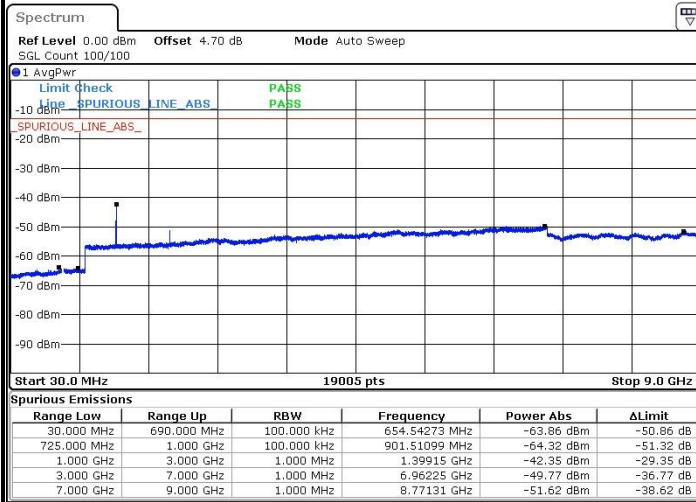


Date: 2 SEP. 2021 00:04:15



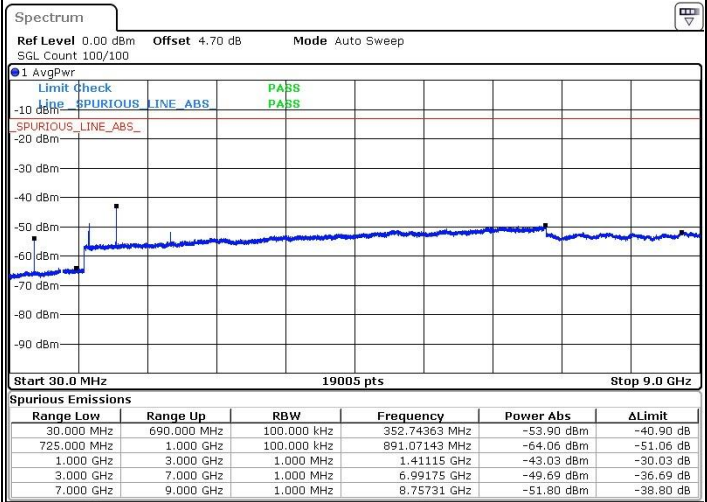
LTE Band 12 / 5MHz

Lowest Channel / QPSK



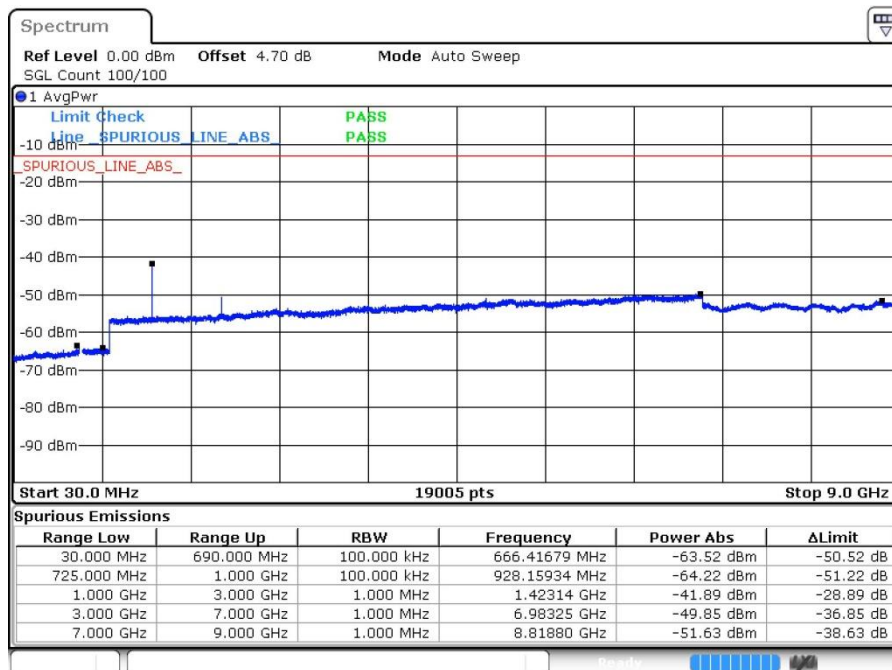
Date: 2 SEP 2021 00:01:59

Middle Channel / QPSK



Date: 2 SEP 2021 00:02:26

Highest Channel / QPSK

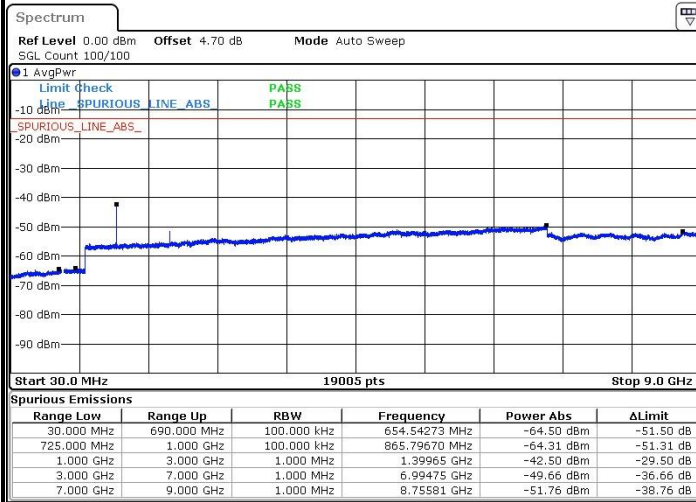


Date: 2 SEP 2021 00:02:54



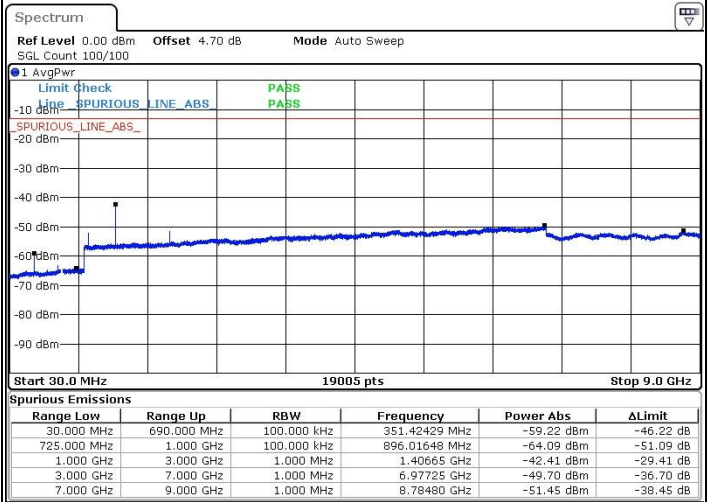
LTE Band 12 / 10MHz

Lowest Channel / QPSK



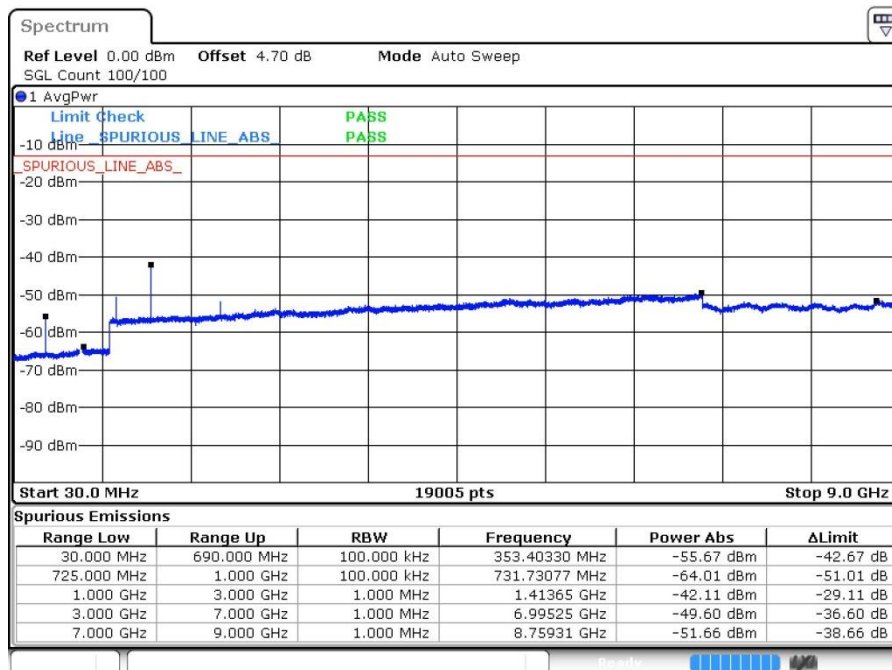
Date: 2 SEP. 2021 00:00:02

Middle Channel / QPSK



Date: 2 SEP. 2021 00:01:01

Highest Channel / QPSK



Date: 2 SEP. 2021 00:01:29

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0022	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

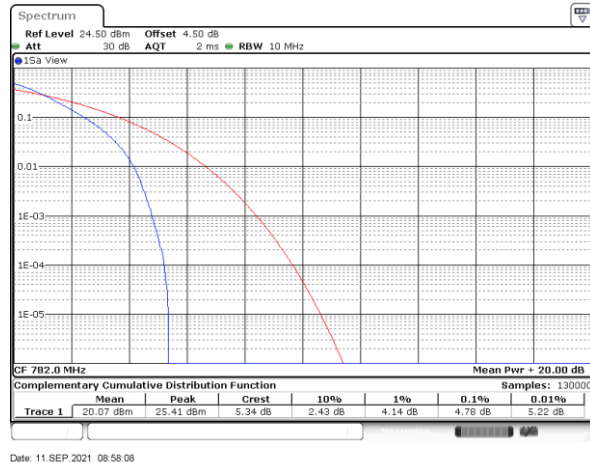
Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.78	5.74	5.80	6.84	PASS

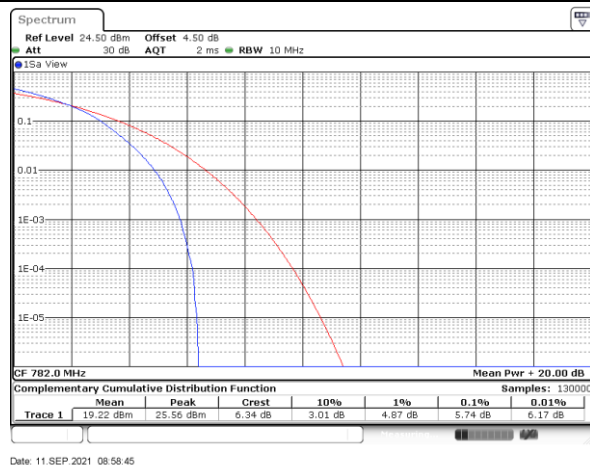


LTE Band 13 / 10MHz

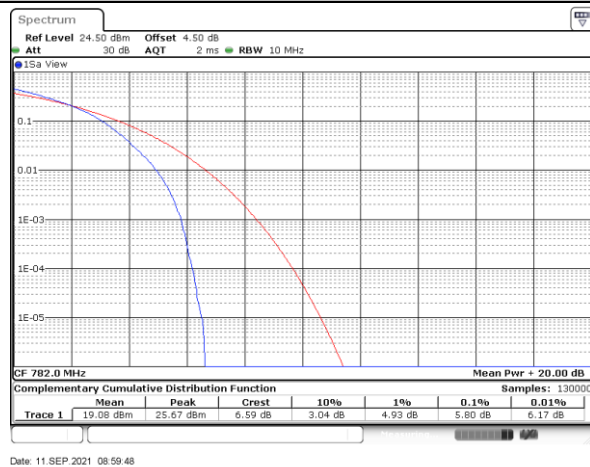
Middle Channel / Full RB/ QPSK

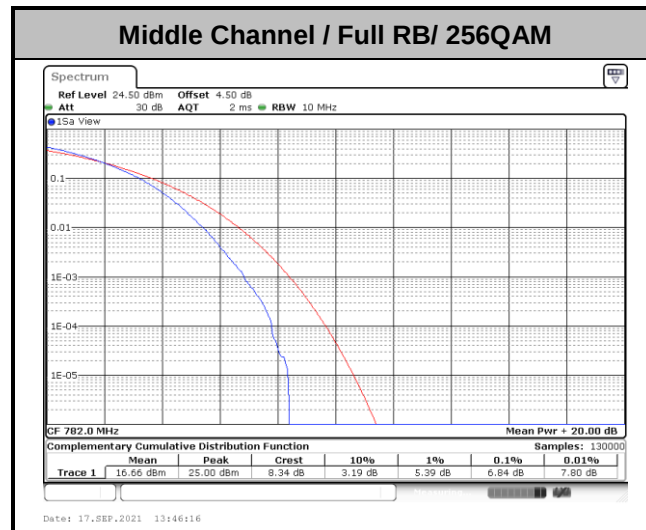


Middle Channel / Full RB/ 16QAM



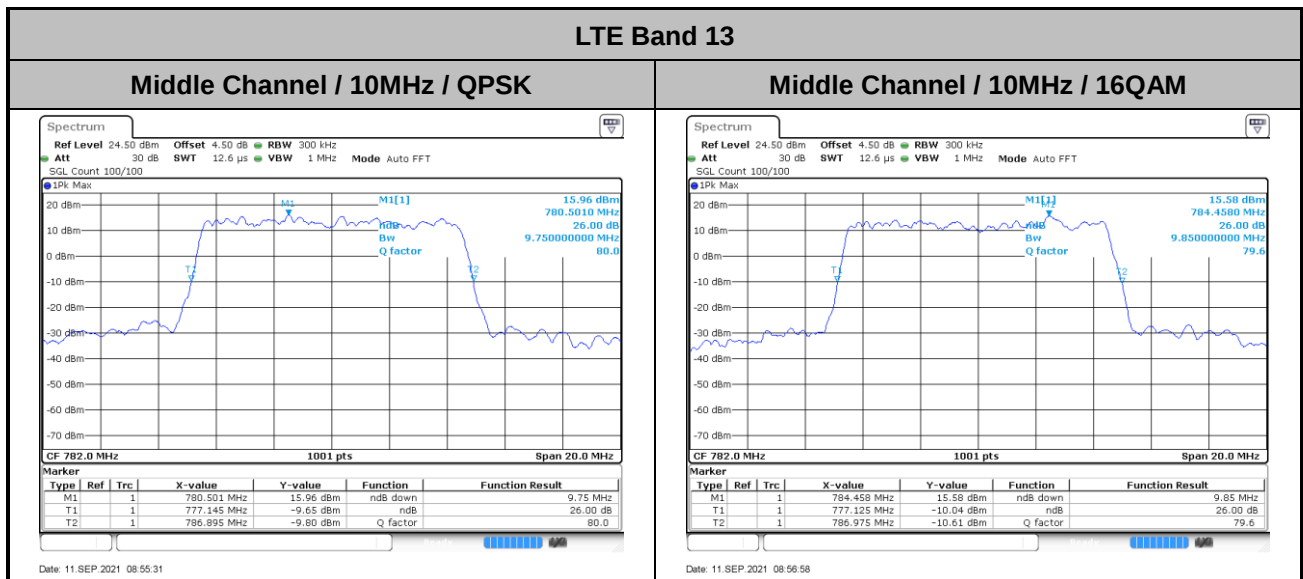
Middle Channel / Full RB/ 64QAM





**26dB Bandwidth**

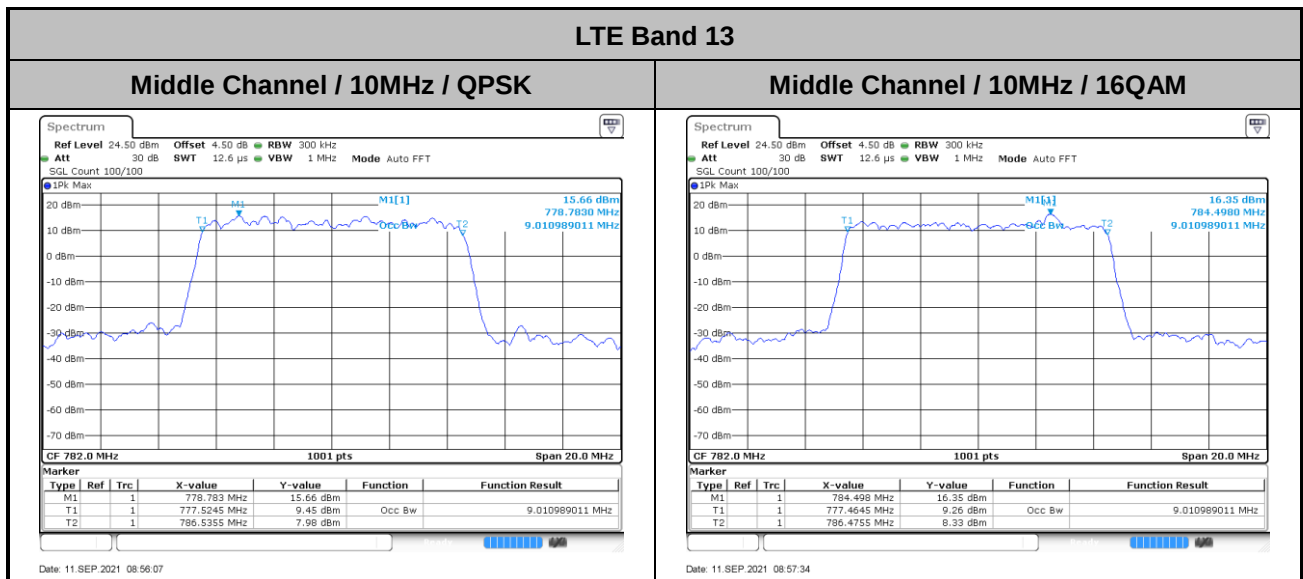
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.75	9.85





Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.01



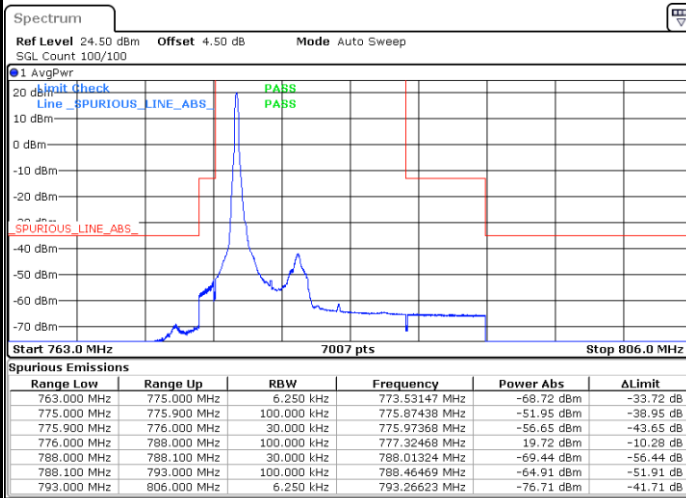


Conducted Band Edge

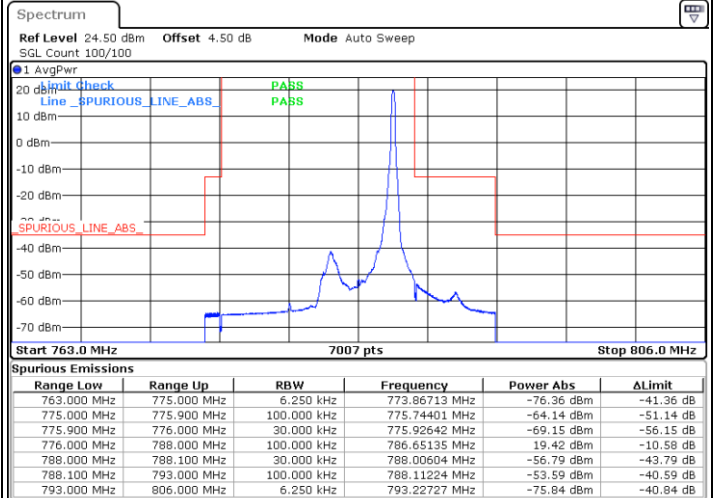


LTE Band 13 / 5MHz / QPSK

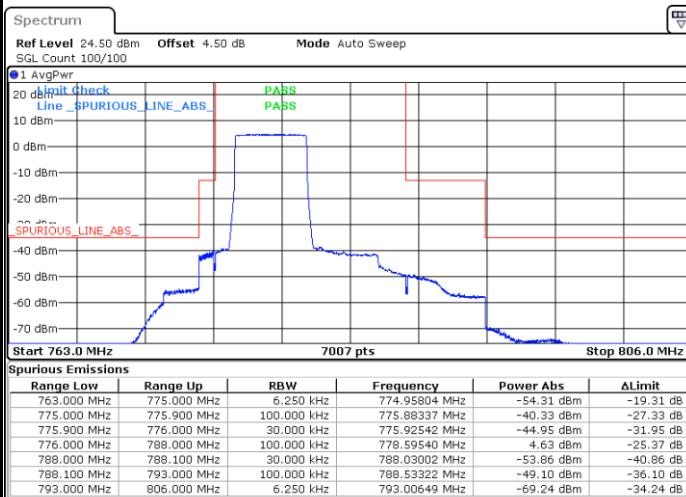
Lowest Band Edge / 1 RB



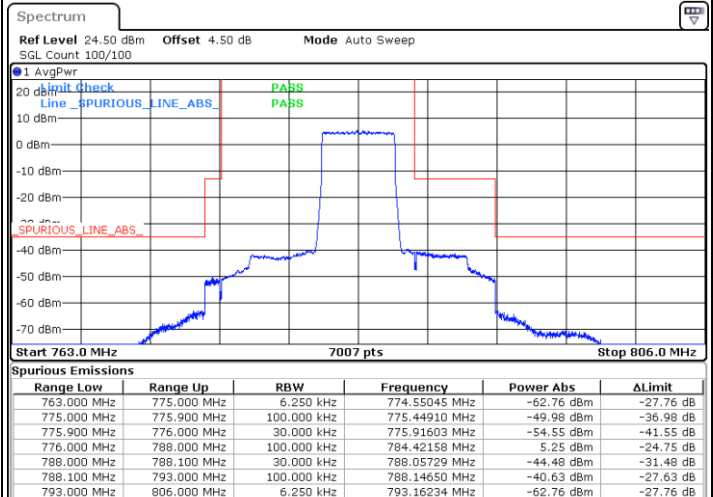
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



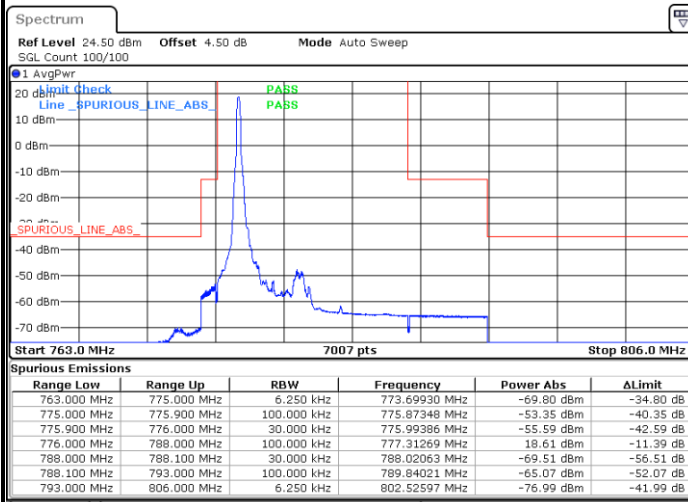
Highest Band Edge / Full RB





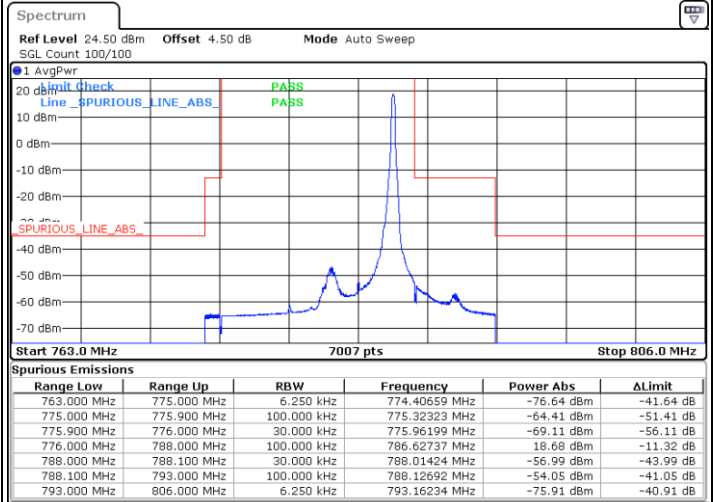
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB



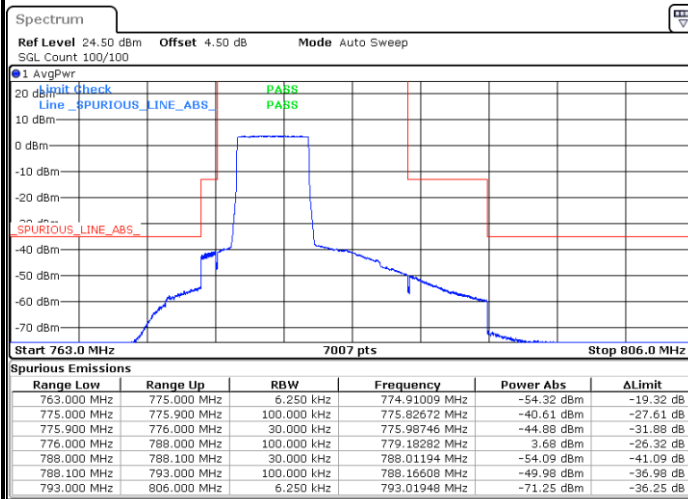
Date: 11.SEP.2021 07:22:11

Highest Band Edge / 1 RB



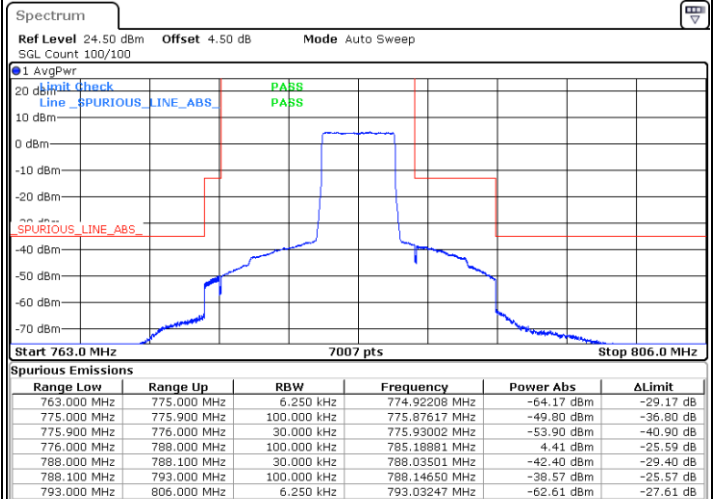
Date: 11.SEP.2021 08:08:02

Lowest Band Edge / Full RB



Date: 11.SEP.2021 07:59:04

Highest Band Edge / Full RB

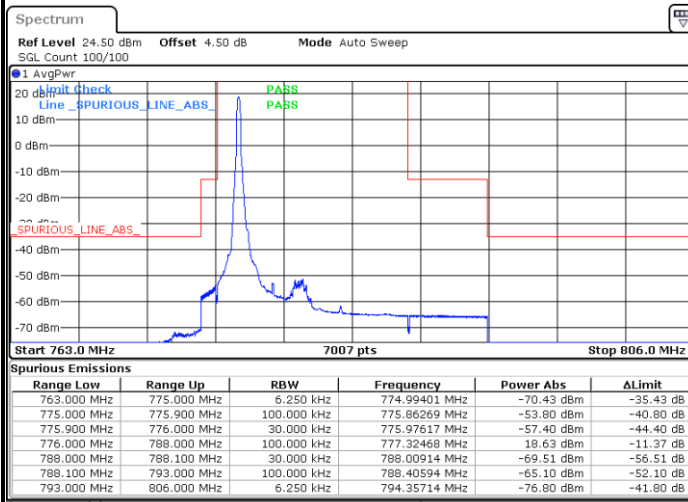


Date: 17.SEP.2021 13:50:44

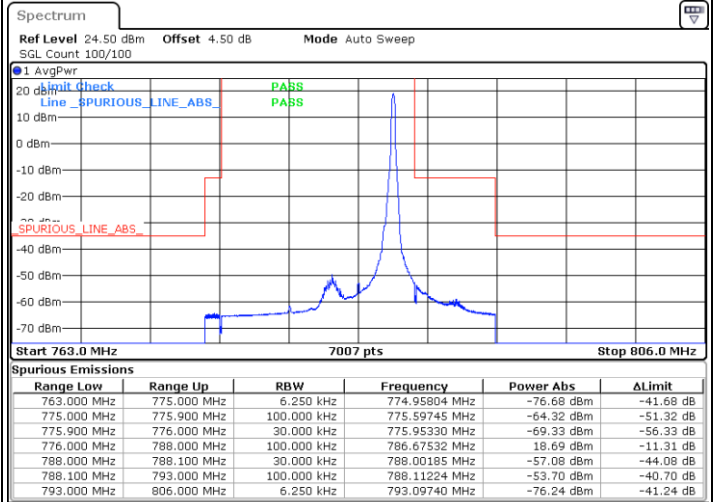


LTE Band 13 / 5MHz / 64QAM

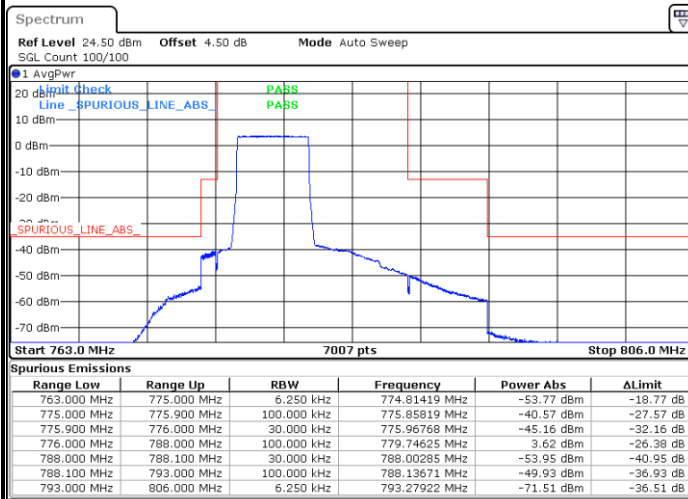
Lowest Band Edge / 1RB



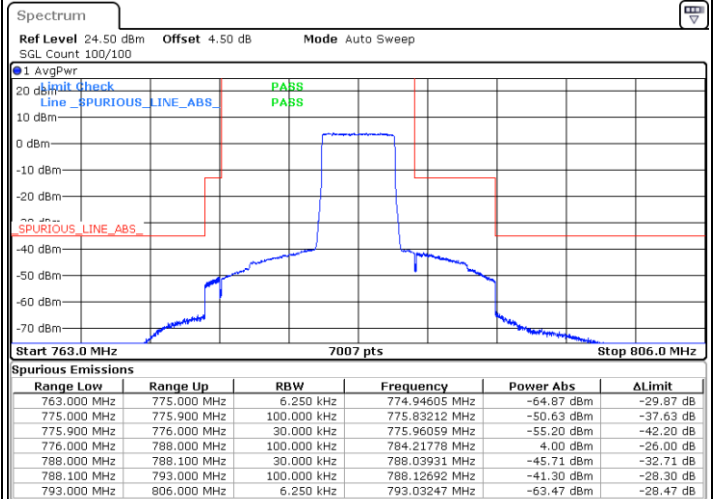
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



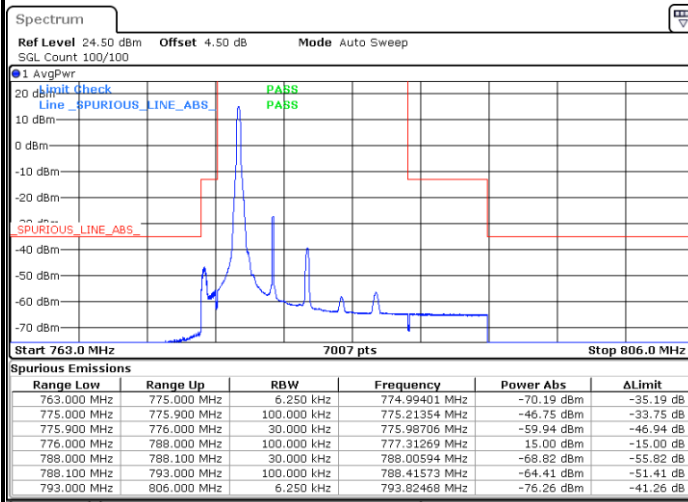
Highest Band Edge / Full RB



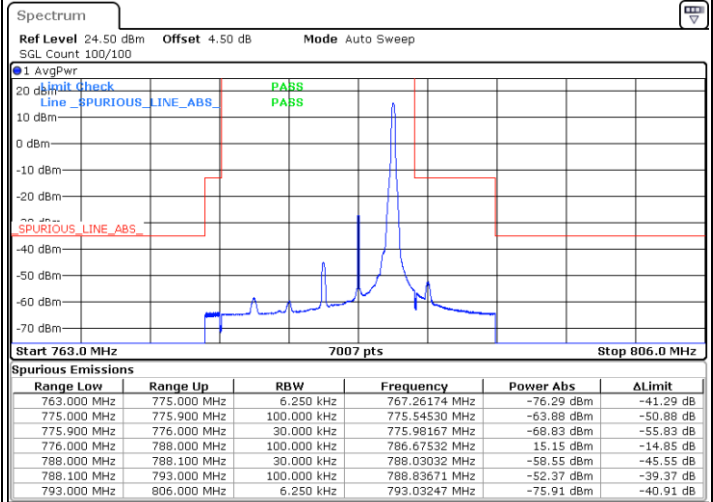


LTE Band 13 / 5MHz / 256QAM

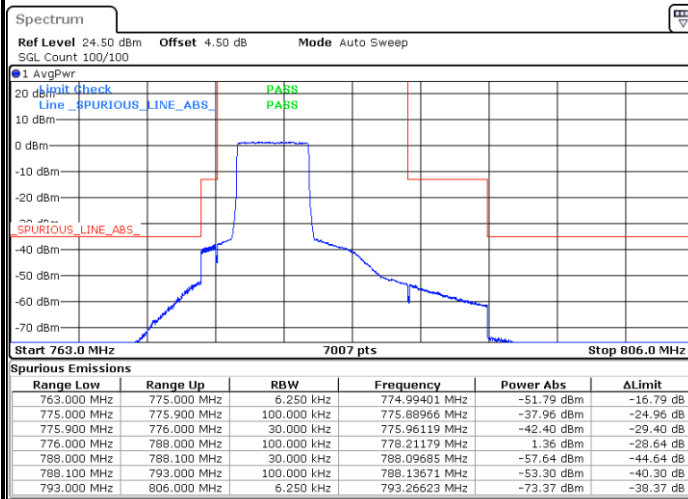
Lowest Band Edge / 1RB



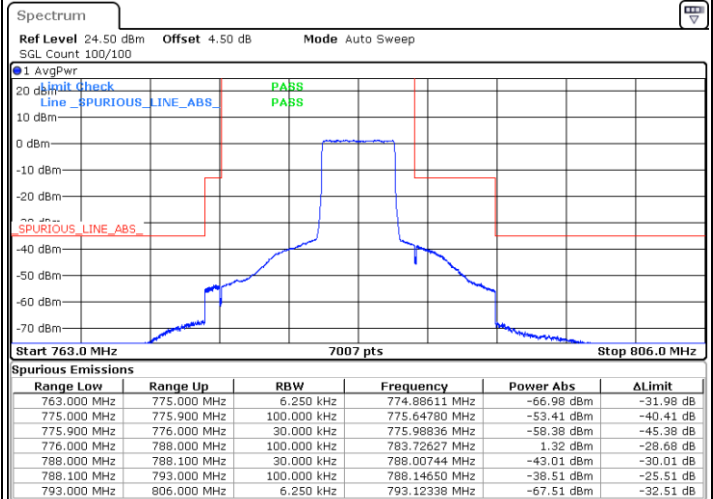
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



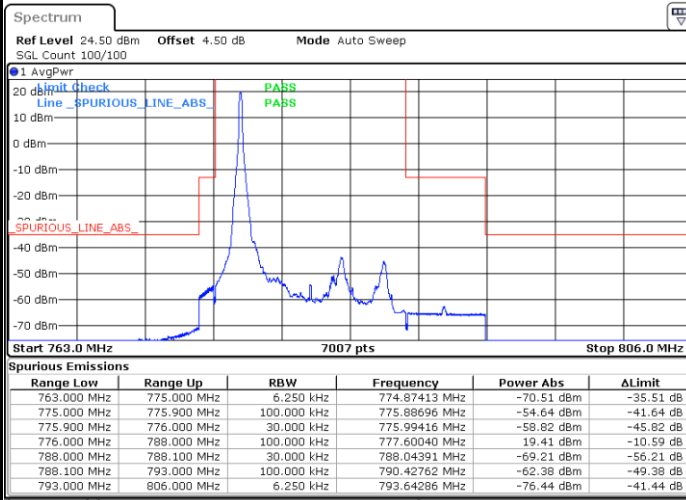
Highest Band Edge / Full RB





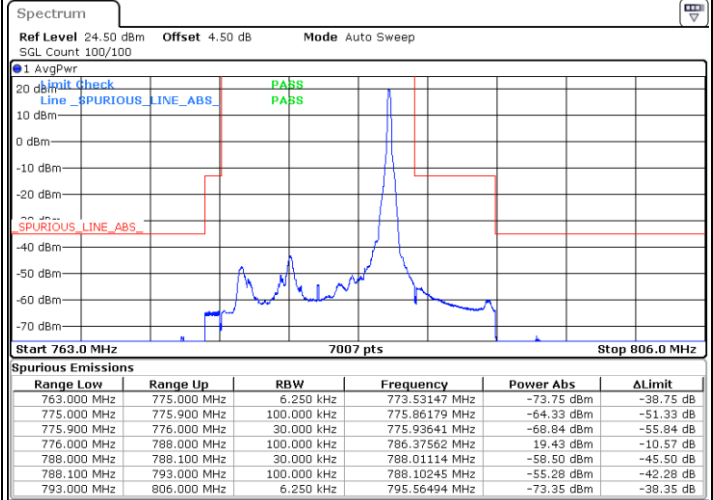
LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB



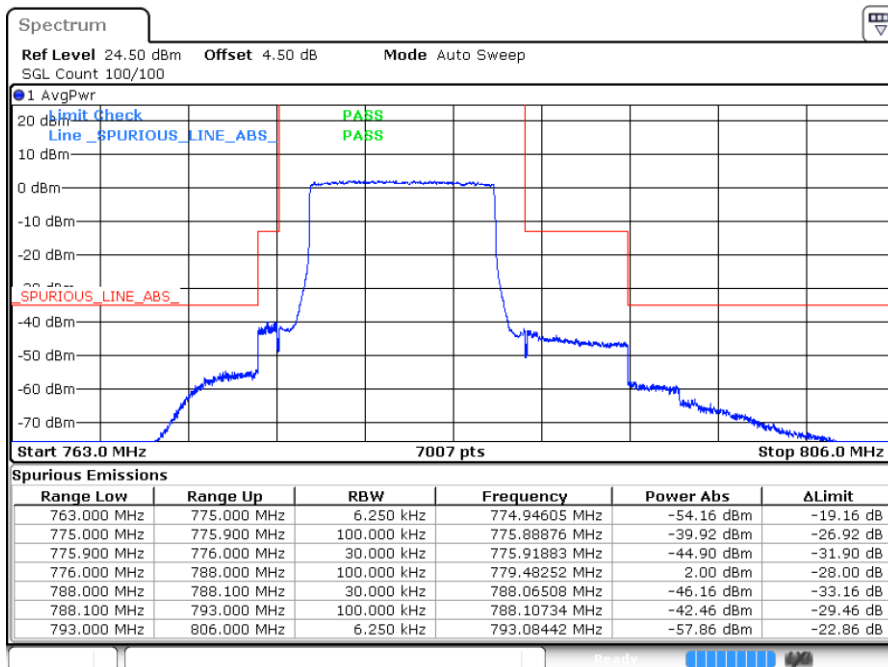
Date: 11 SEP 2021 08:24:12

middle Band Edge / 1 RB



Date: 11 SEP 2021 08:33:31

Middle Band Edge / Full RB

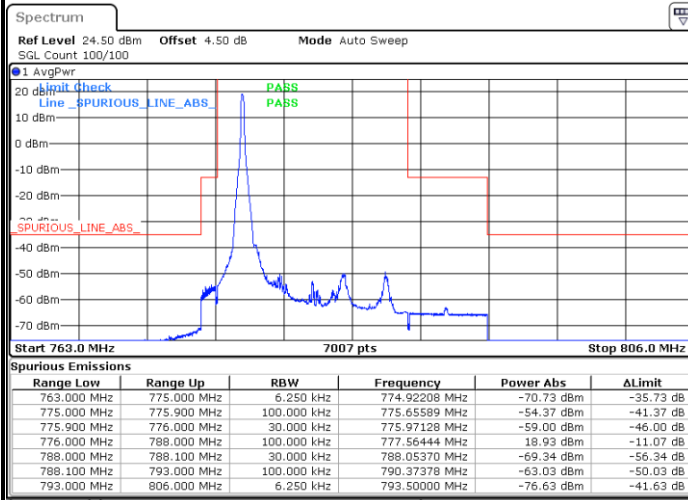


Date: 11 SEP 2021 08:35:06



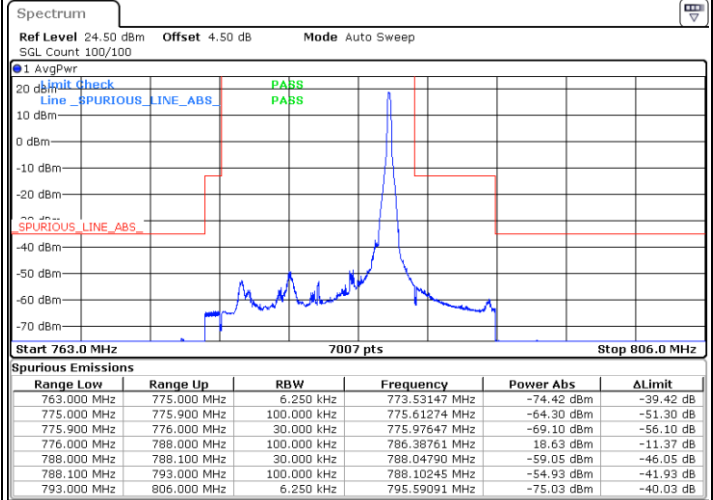
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



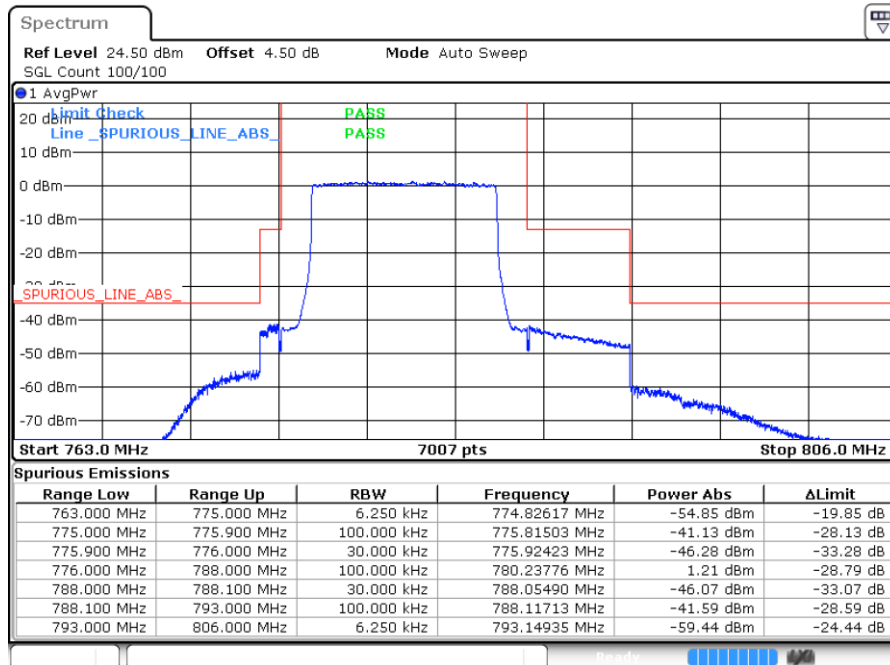
Date: 11.SEP.2021 08:28:11

middle Band Edge / 1 RB



Date: 11.SEP.2021 08:31:48

middle Band Edge / Full RB

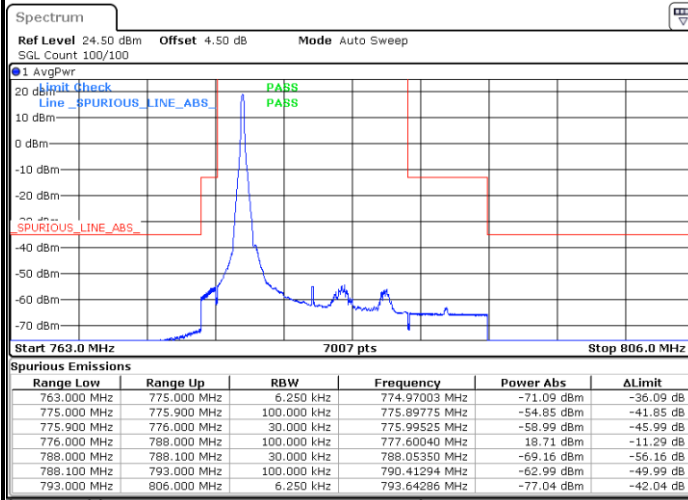


Date: 11.SEP.2021 08:36:39



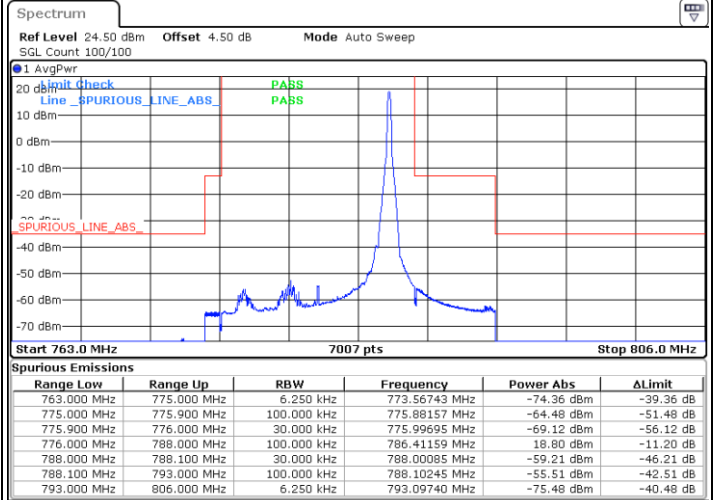
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



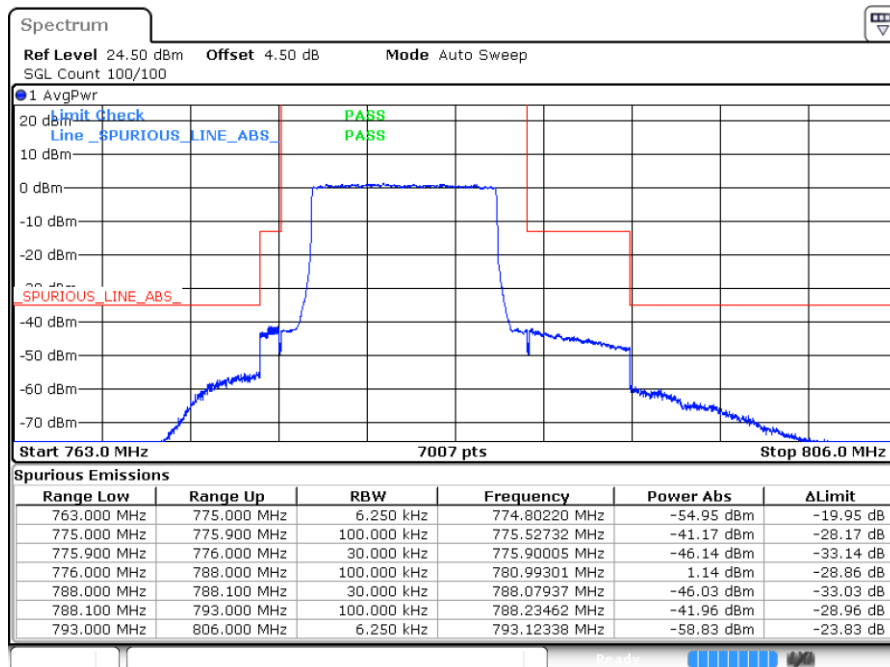
Date: 11.SEP.2021 08:27:46

middle Band Edge / 1 RB



Date: 11.SEP.2021 08:29:40

middle Band Edge / Full RB

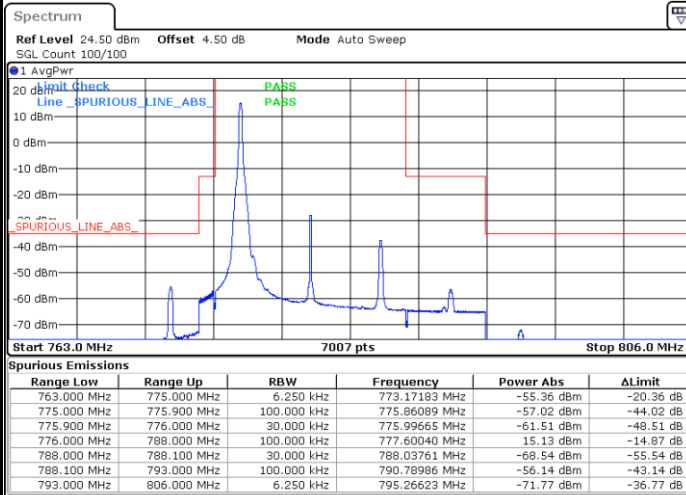


Date: 11.SEP.2021 08:54:27

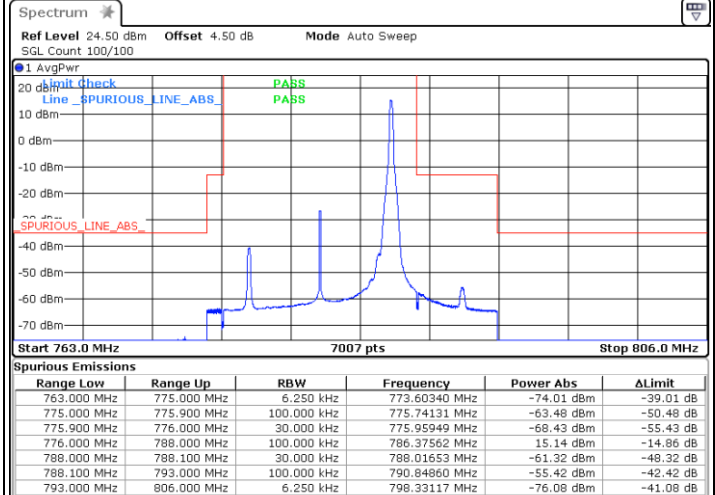


LTE Band 13 / 10MHz / 256QAM

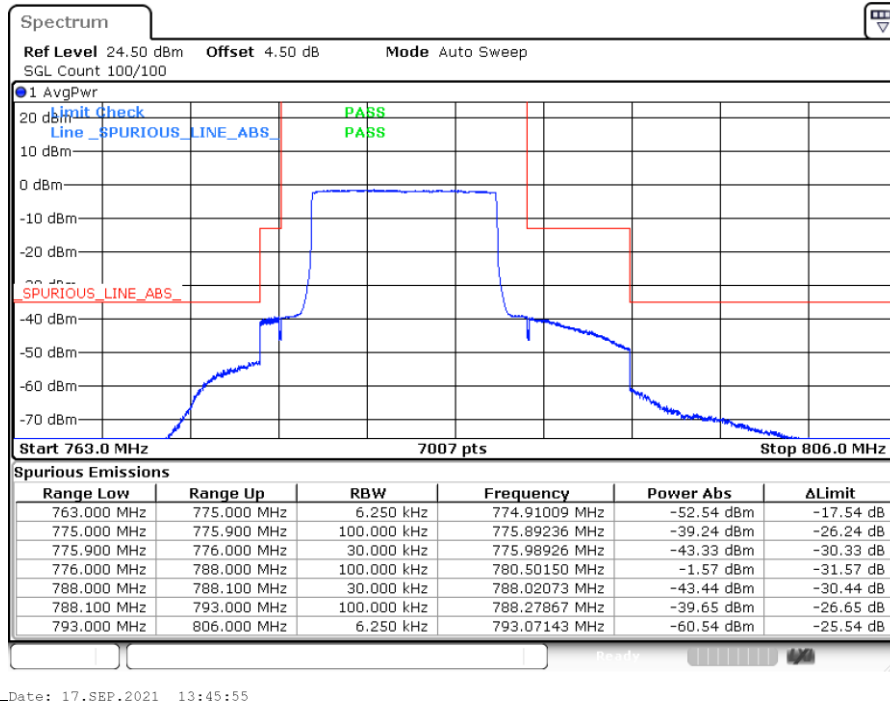
middle Band Edge / 1 RB



middle Band Edge / 1 RB



middle Band Edge / Full RB



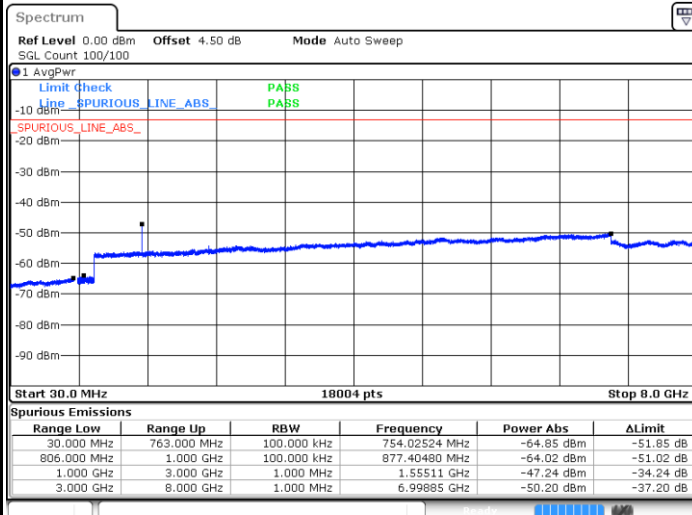


Conducted Spurious Emission



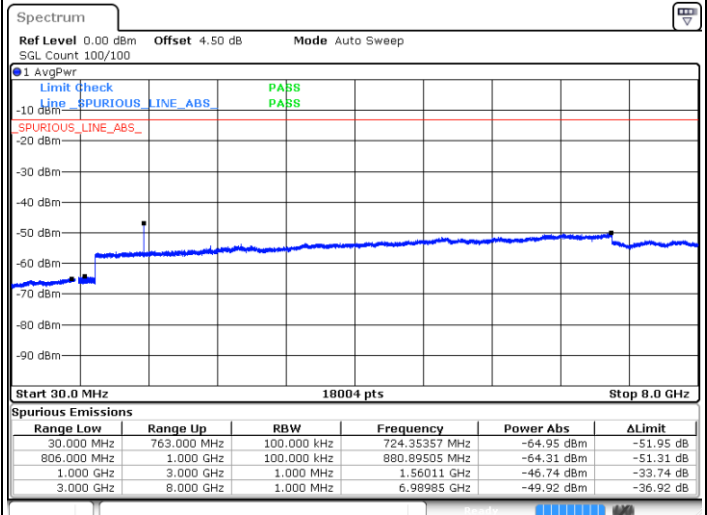
LTE Band 13 / 5MHz

Lowest Channel / QPSK



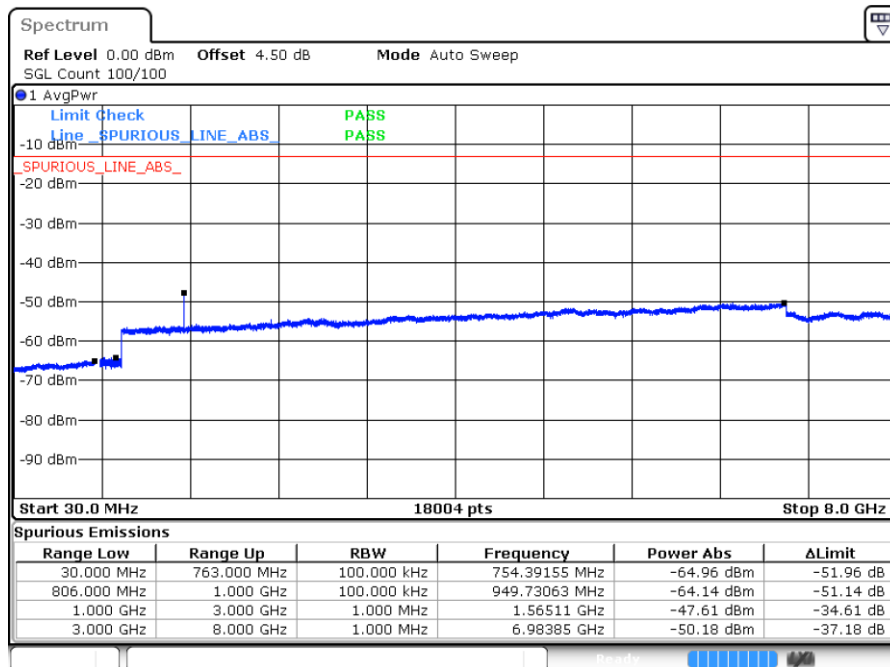
Date: 11 SEP. 2021 07:16:55

Middle Channel / QPSK



Date: 11 SEP. 2021 08:02:33

Highest Channel / QPSK

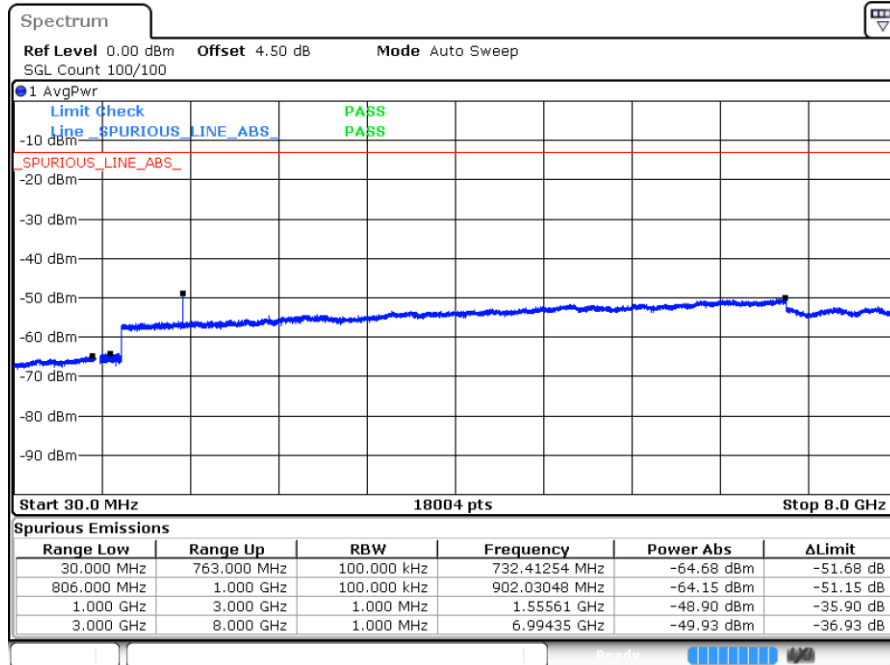


Date: 11 SEP. 2021 08:04:07



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 11 SEP 2021 08:19:05

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. 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	256QAM	Limit: 13dB
RB Size	Full RB				Result
Middle CH	5.22	6.00	6.67	6.81	PASS