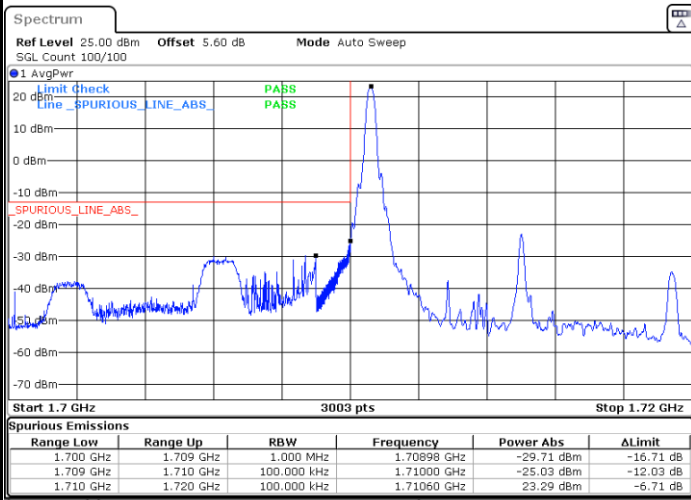




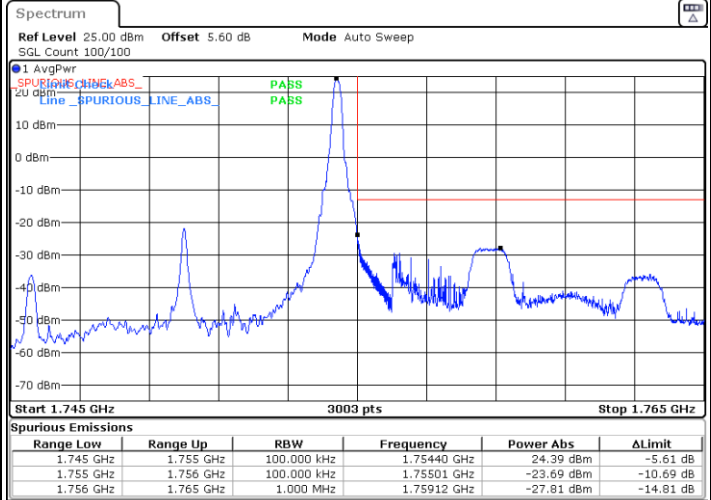
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



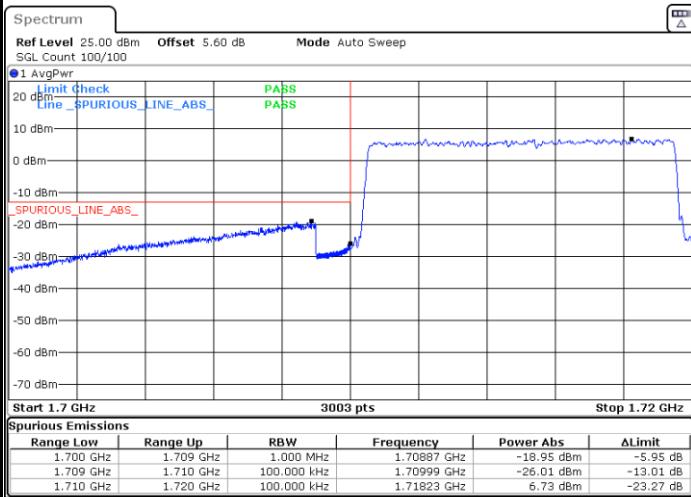
Date: 3.NOV.2022 11:00:35

Highest Band Edge / 1 RB



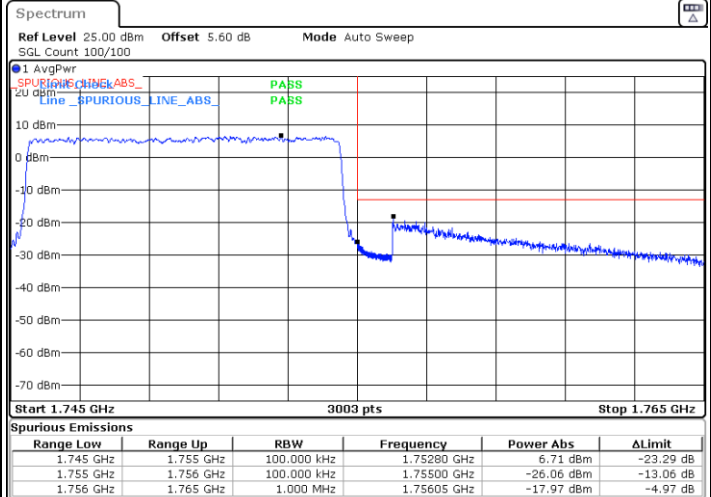
Date: 3.NOV.2022 11:11:13

Lowest Band Edge / Full RB



Date: 3.NOV.2022 11:04:35

Highest Band Edge / Full RB

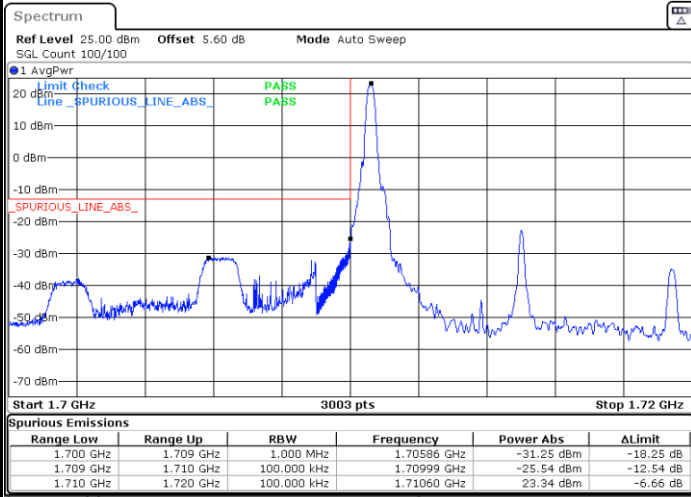


Date: 3.NOV.2022 11:15:12



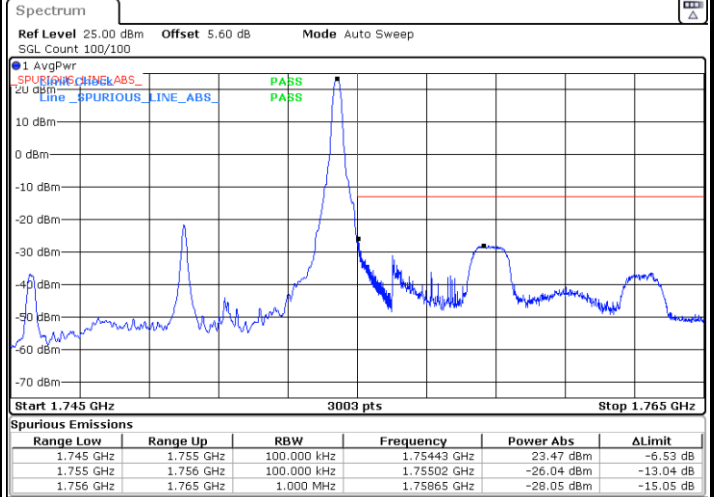
LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



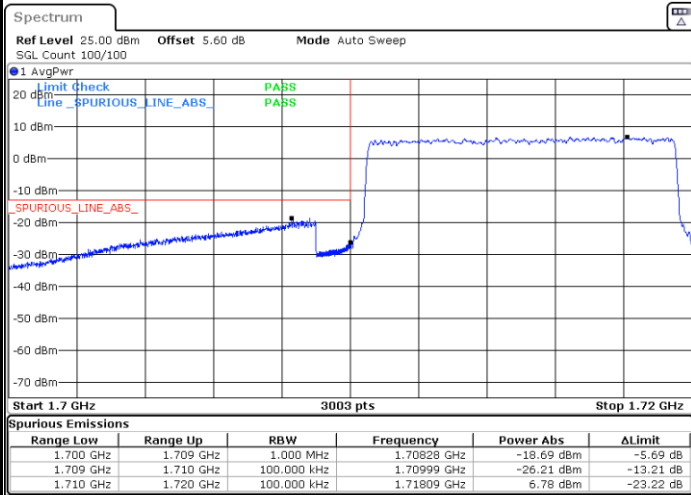
Date: 3.NOV.2022 11:01:55

Highest Band Edge / 1 RB



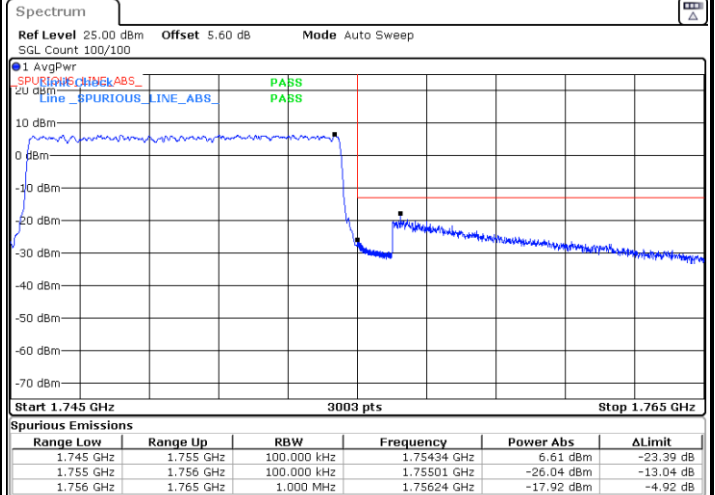
Date: 3.NOV.2022 11:12:33

Lowest Band Edge / Full RB



Date: 3.NOV.2022 11:03:15

Highest Band Edge / Full RB

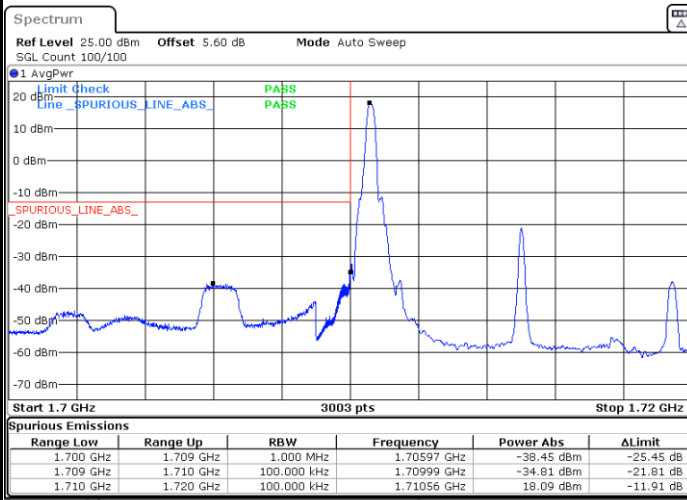


Date: 3.NOV.2022 11:13:53



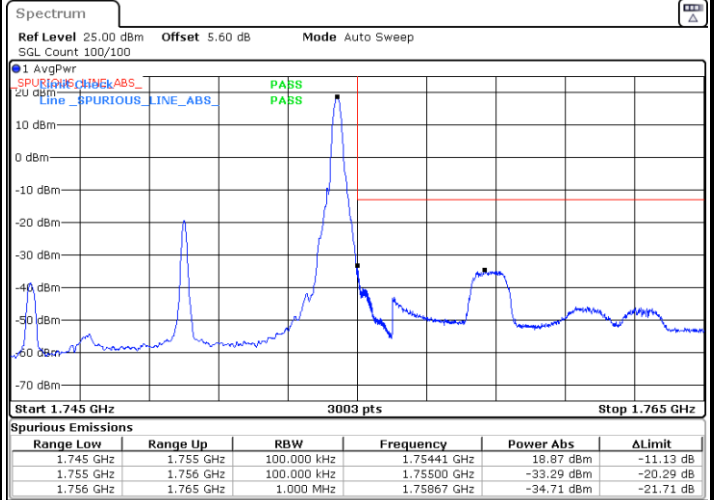
LTE Band 4 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



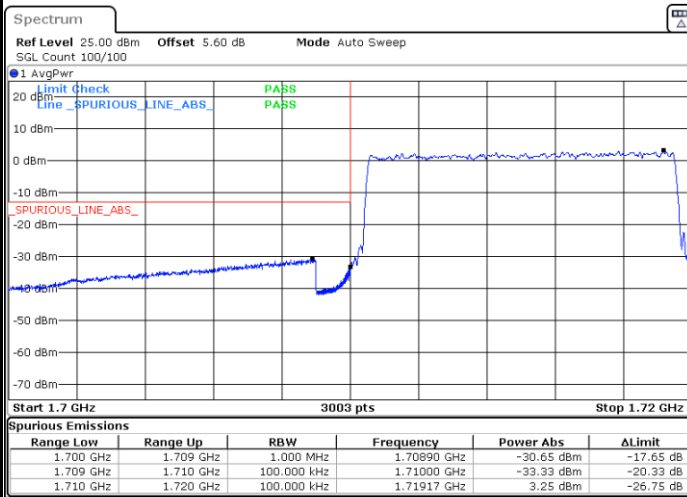
Date: 3.NOV.2022 13:41:02

Highest Band Edge / 1 RB



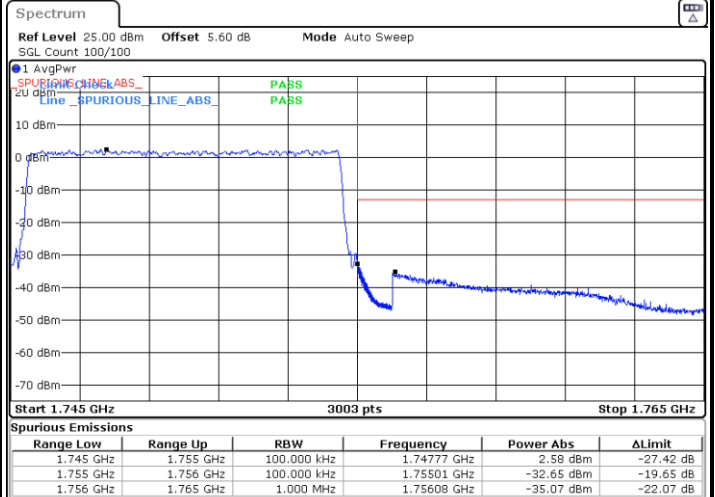
Date: 3.NOV.2022 13:43:15

Lowest Band Edge / Full RB



Date: 3.NOV.2022 13:41:36

Highest Band Edge / Full RB

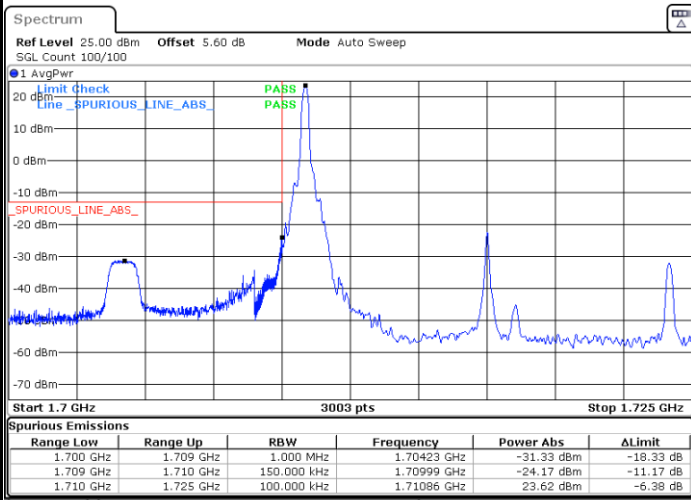


Date: 3.NOV.2022 13:42:39



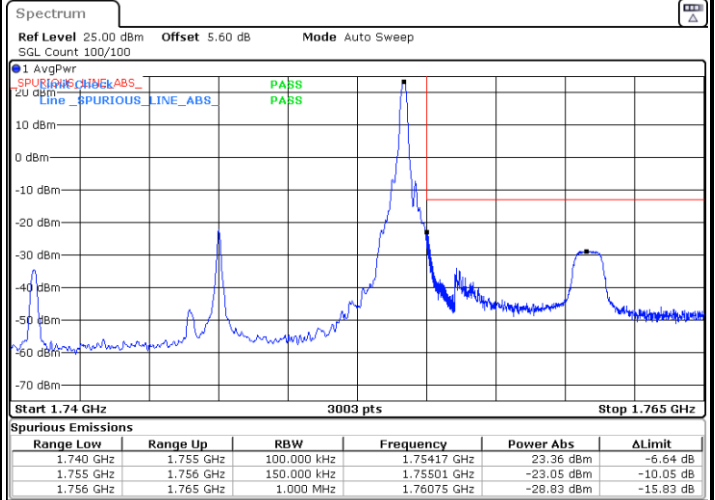
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



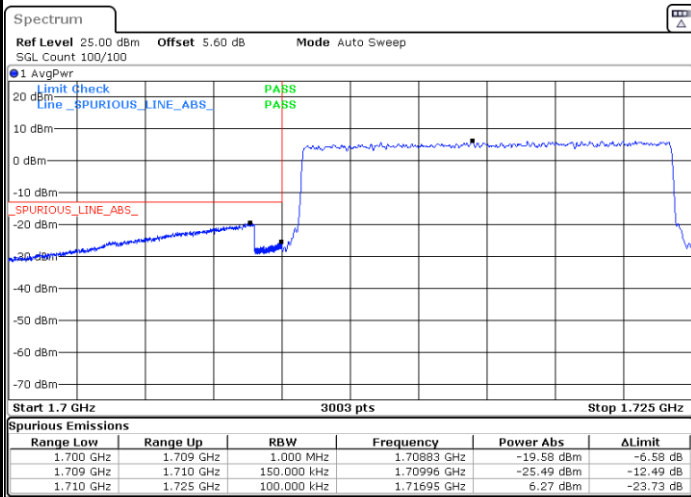
Date: 3.NOV.2022 11:19:12

Highest Band Edge / 1 RB



Date: 3.NOV.2022 11:29:50

Lowest Band Edge / Full RB



Date: 3.NOV.2022 11:25:52

Highest Band Edge / Full RB

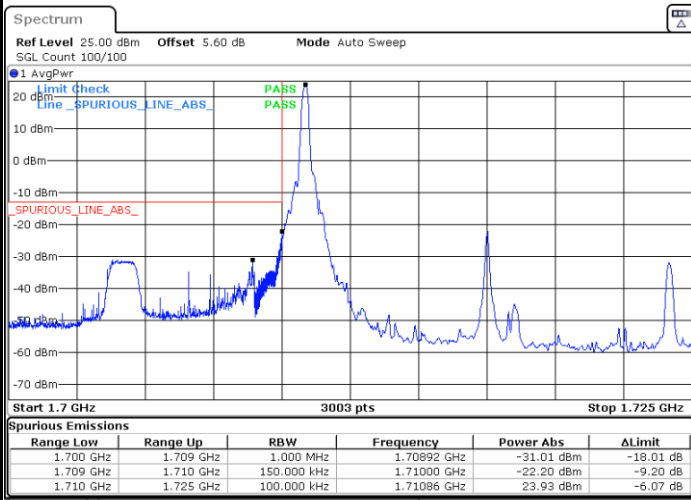


Date: 3.NOV.2022 11:36:29



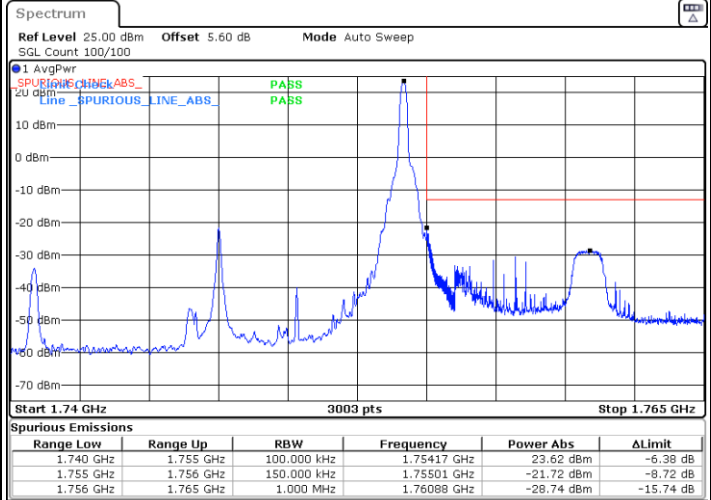
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



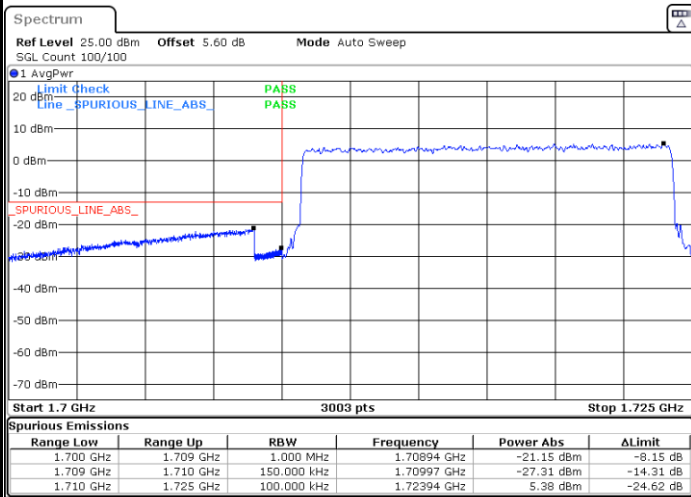
Date: 3.NOV.2022 11:20:32

Highest Band Edge / 1 RB



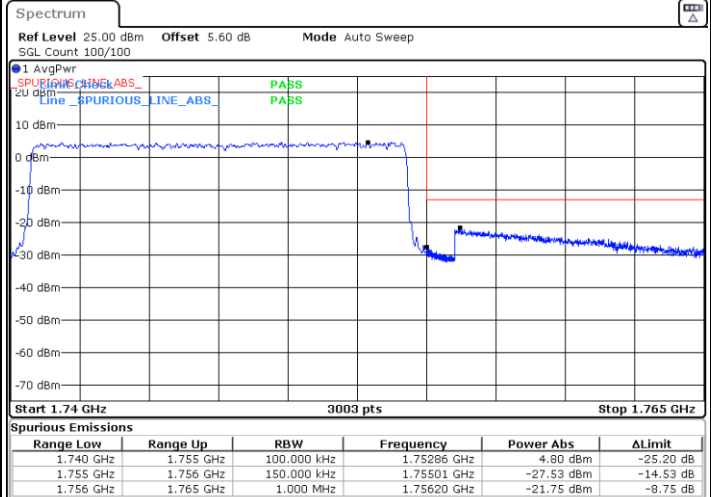
Date: 3.NOV.2022 11:31:10

Lowest Band Edge / Full RB



Date: 3.NOV.2022 11:24:32

Highest Band Edge / Full RB

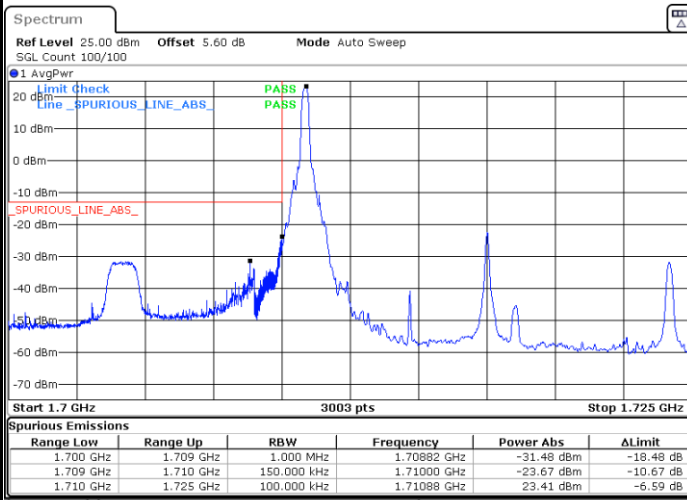


Date: 3.NOV.2022 11:35:09



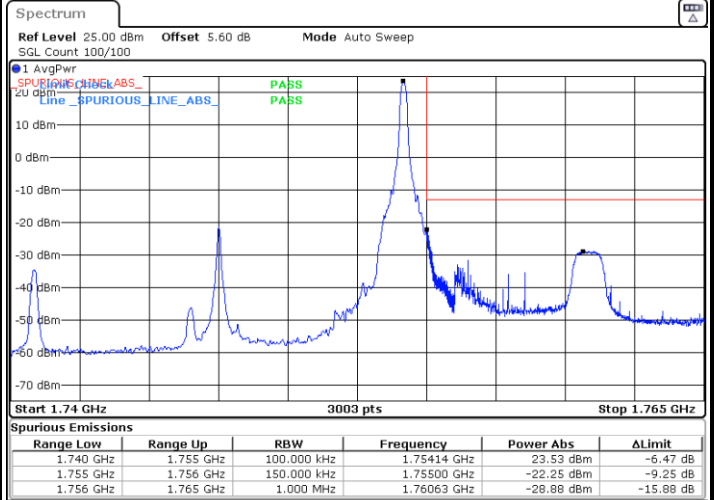
LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



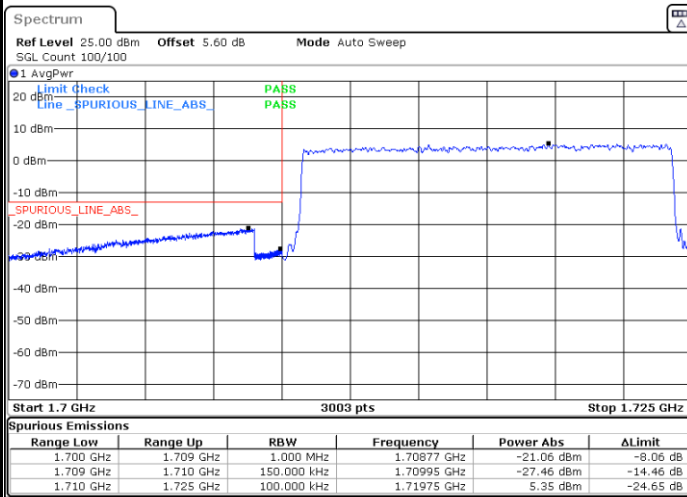
Date: 3.NOV.2022 11:21:52

Highest Band Edge / 1 RB



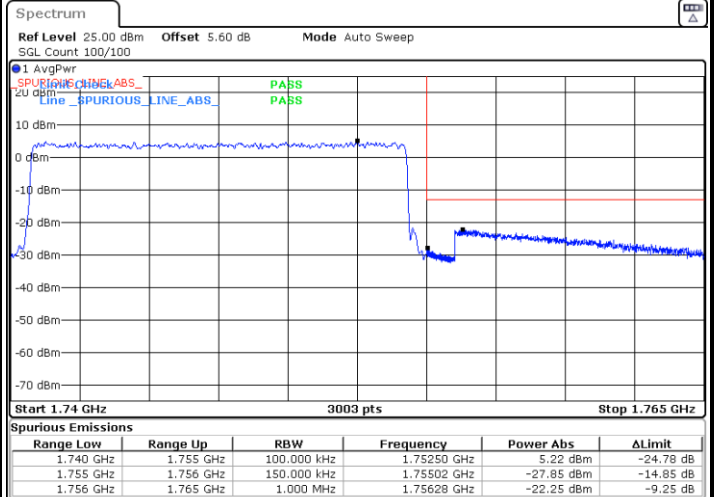
Date: 3.NOV.2022 11:32:30

Lowest Band Edge / Full RB



Date: 3.NOV.2022 11:23:12

Highest Band Edge / Full RB

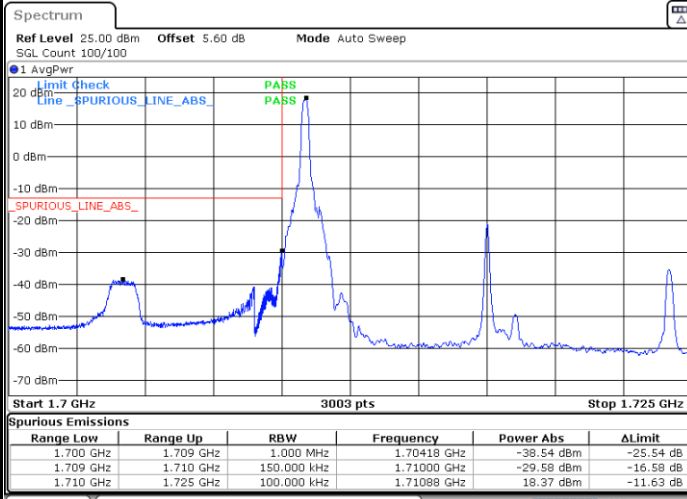


Date: 3.NOV.2022 11:33:50



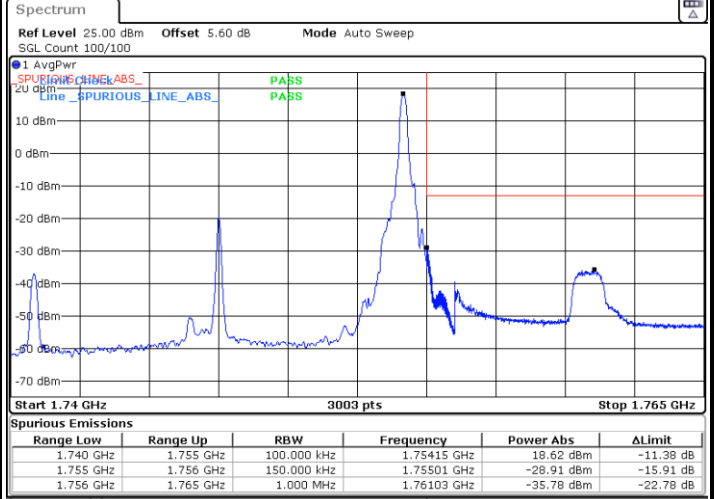
LTE Band 4 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



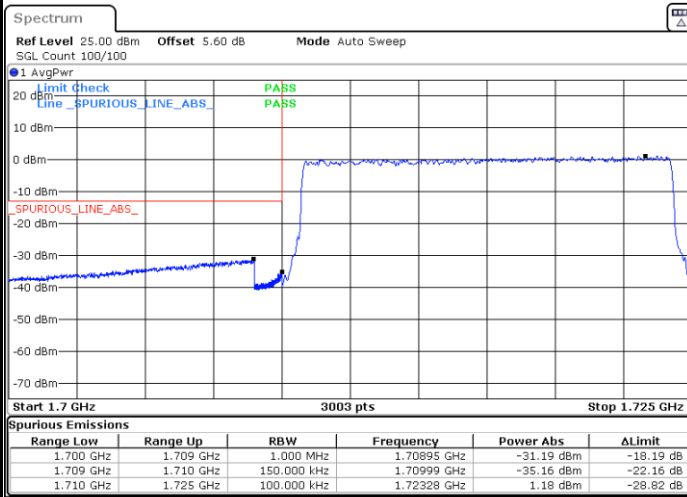
Date: 3.NOV.2022 13:45:14

Highest Band Edge / 1 RB



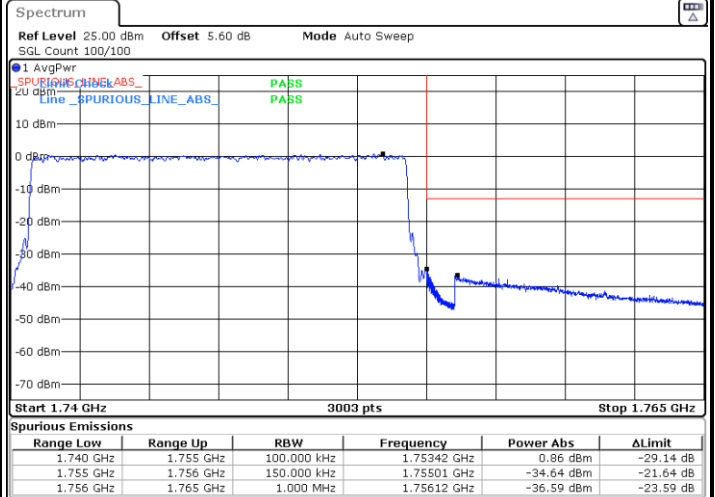
Date: 3.NOV.2022 13:47:04

Lowest Band Edge / Full RB



Date: 3.NOV.2022 13:44:38

Highest Band Edge / Full RB



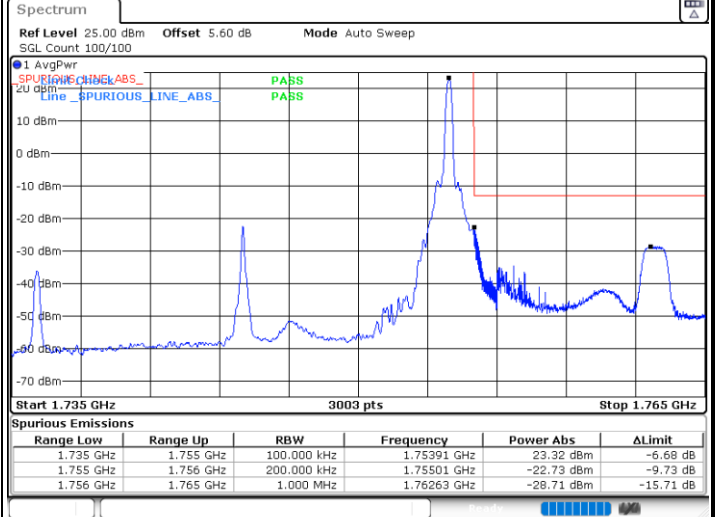
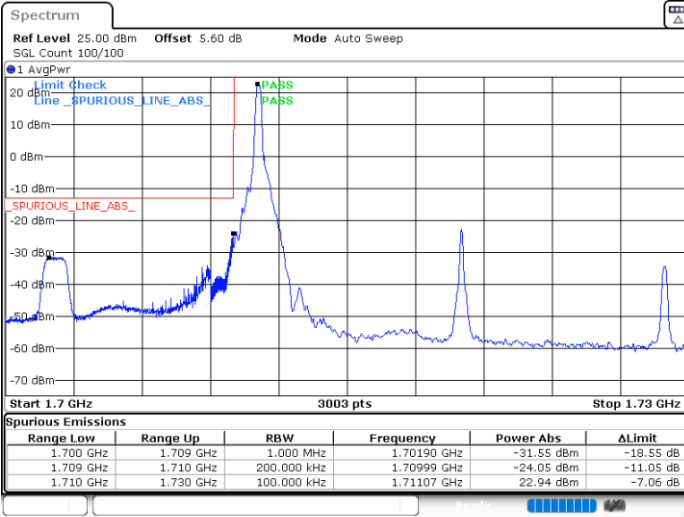
Date: 3.NOV.2022 13:46:26



LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

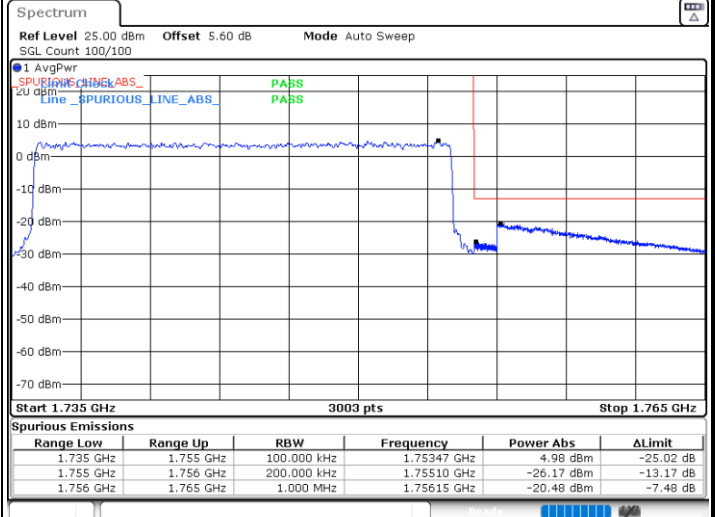
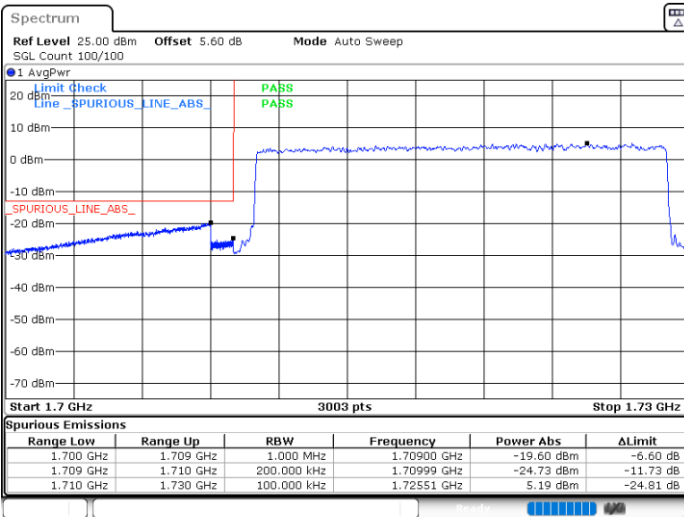


Date: 3.NOV.2022 11:39:10

Date: 3.NOV.2022 11:49:48

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



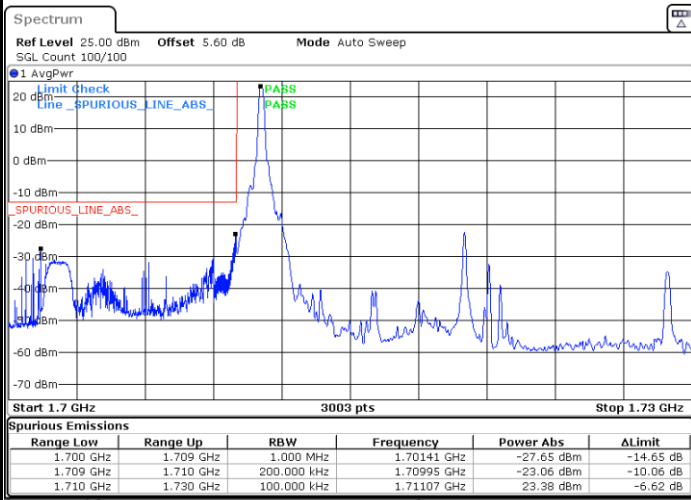
Date: 3.NOV.2022 11:45:49

Date: 3.NOV.2022 11:56:28



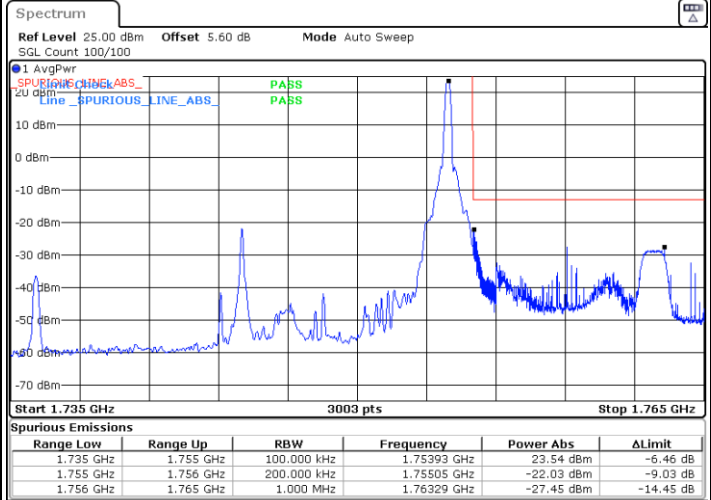
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



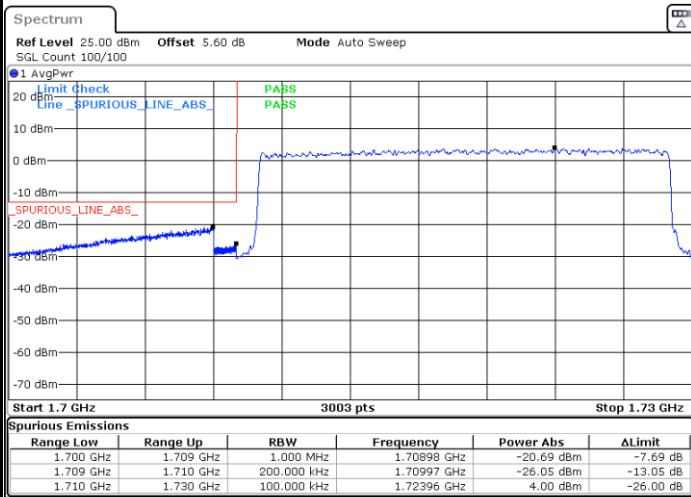
Date: 3.NOV.2022 11:40:30

Highest Band Edge / 1 RB



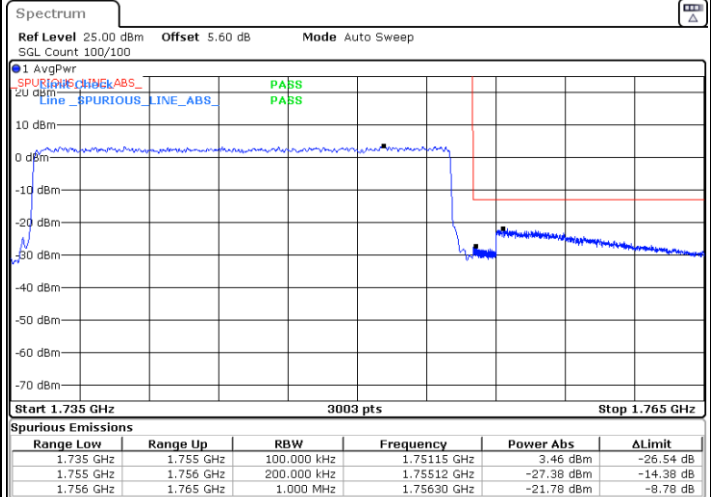
Date: 3.NOV.2022 11:51:08

Lowest Band Edge / Full RB



Date: 3.NOV.2022 11:44:29

Highest Band Edge / Full RB

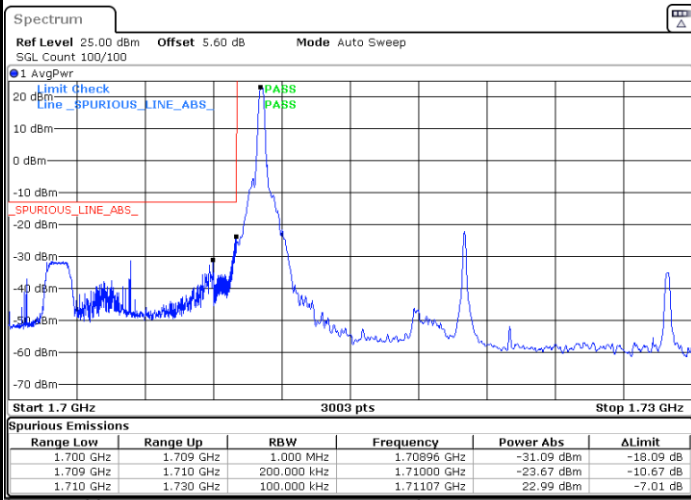


Date: 3.NOV.2022 11:55:08



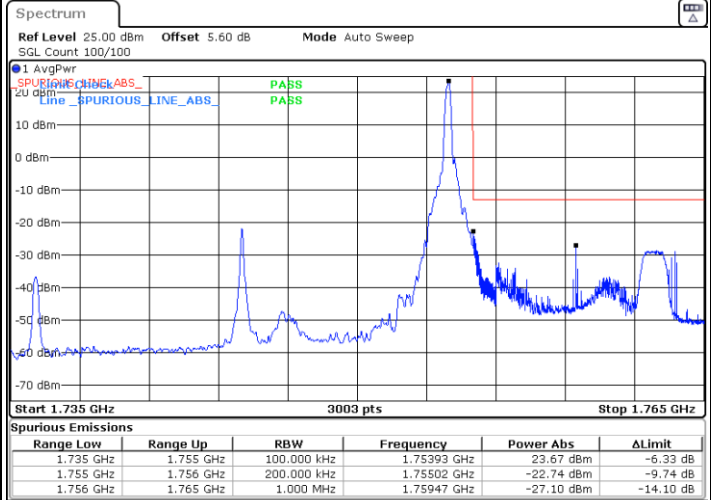
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



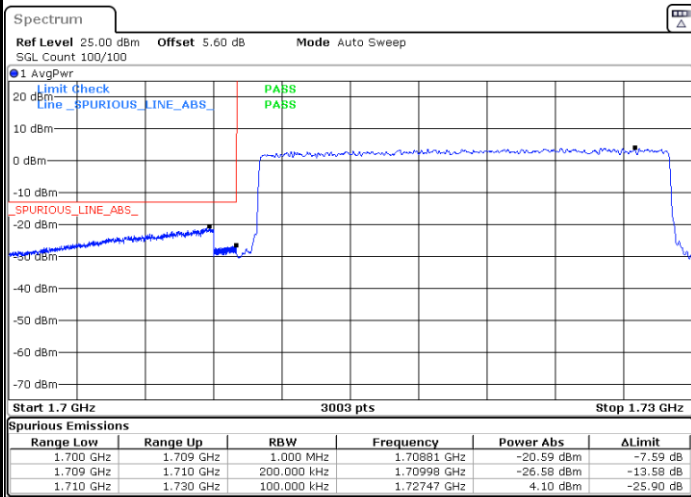
Date: 3.NOV.2022 11:41:50

Highest Band Edge / 1 RB



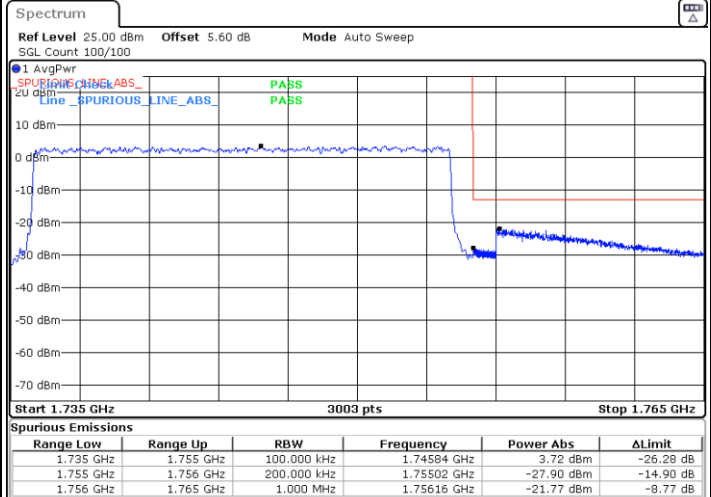
Date: 3.NOV.2022 11:52:28

Lowest Band Edge / Full RB



Date: 3.NOV.2022 11:43:10

Highest Band Edge / Full RB

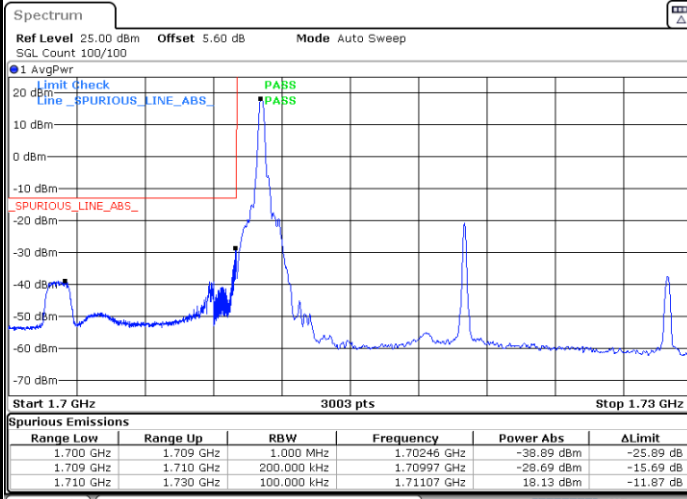


Date: 3.NOV.2022 11:53:48



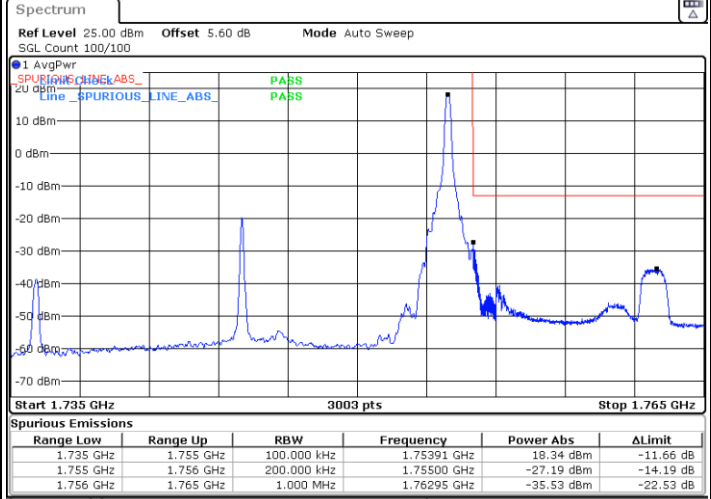
LTE Band 4 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



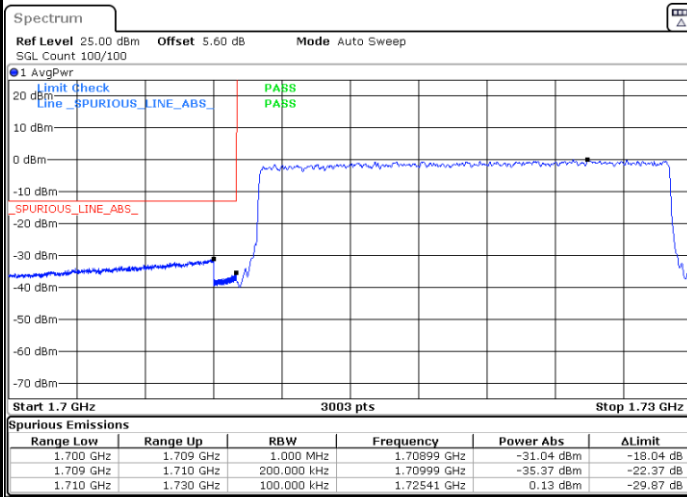
Date: 3.NOV.2022 13:48:40

Highest Band Edge / 1 RB



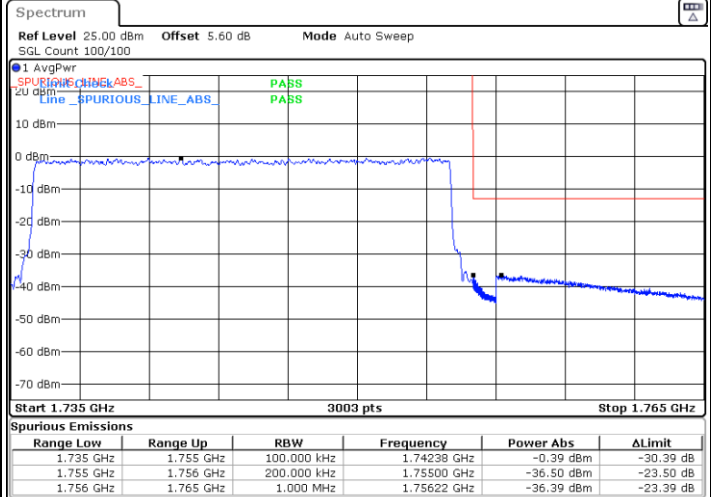
Date: 3.NOV.2022 13:50:43

Lowest Band Edge / Full RB



Date: 3.NOV.2022 13:49:11

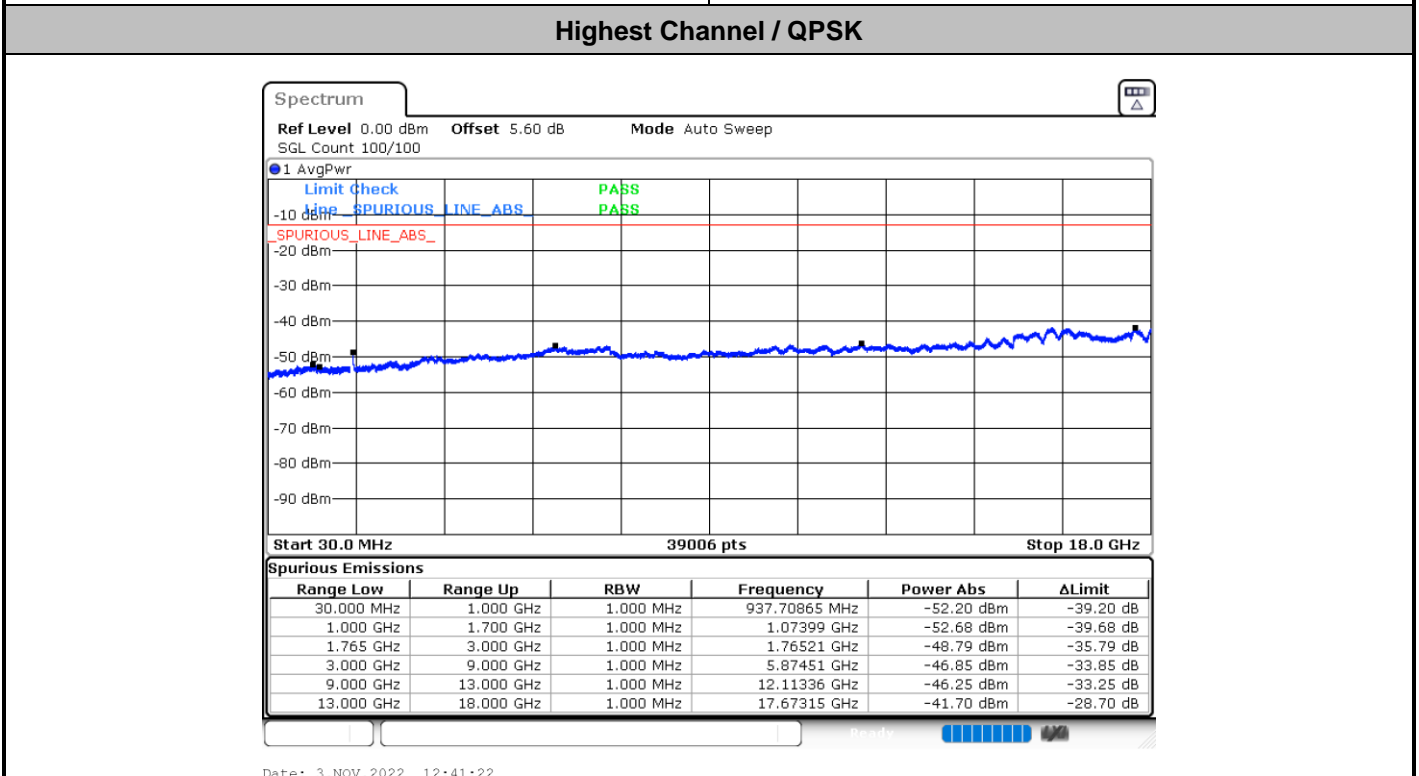
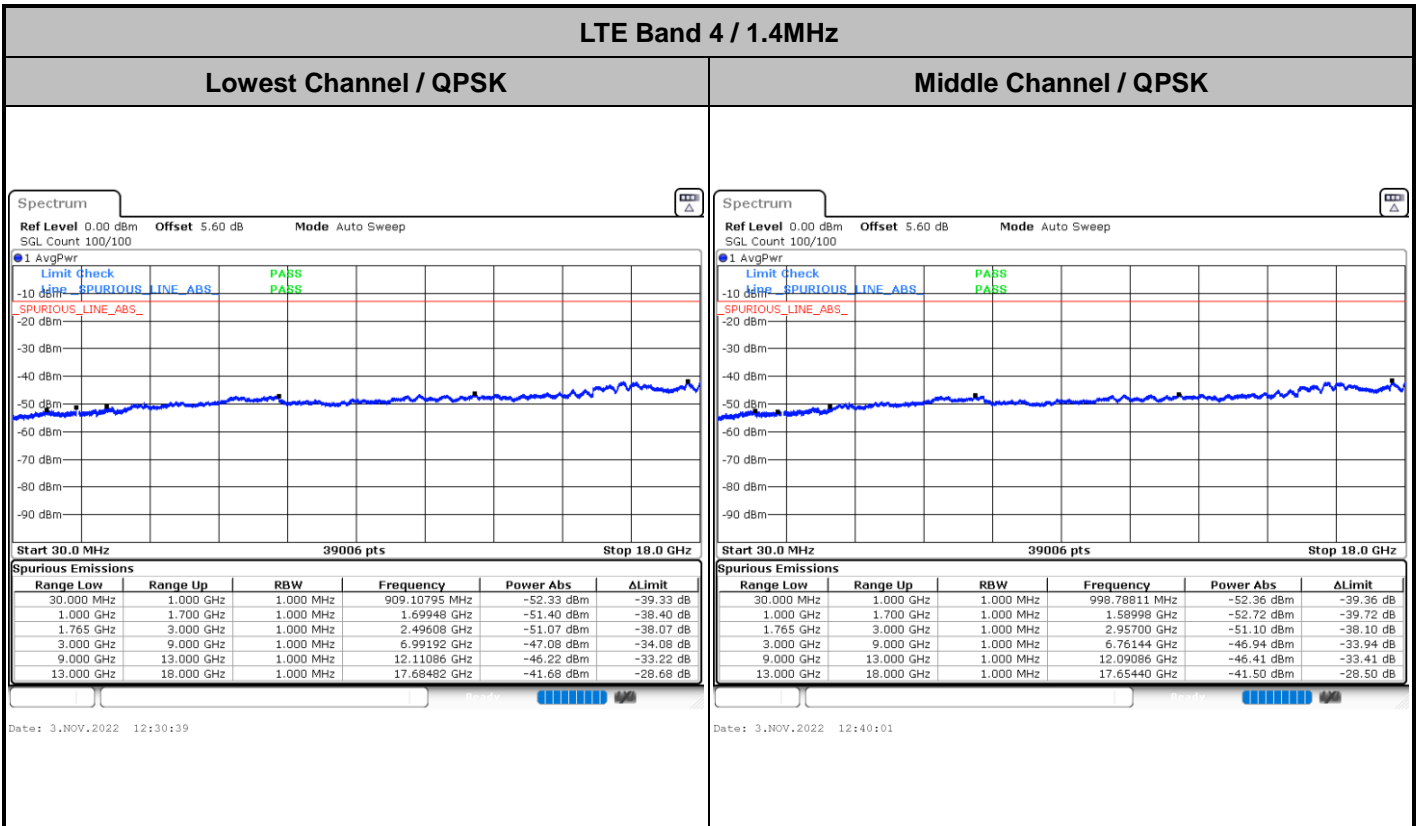
Highest Band Edge / Full RB



Date: 3.NOV.2022 13:50:09



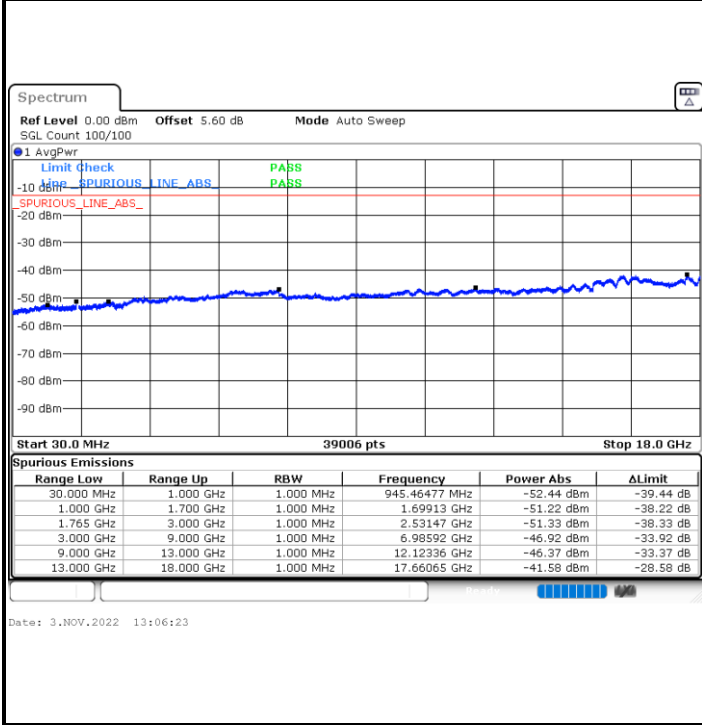
Conducted Spurious Emission



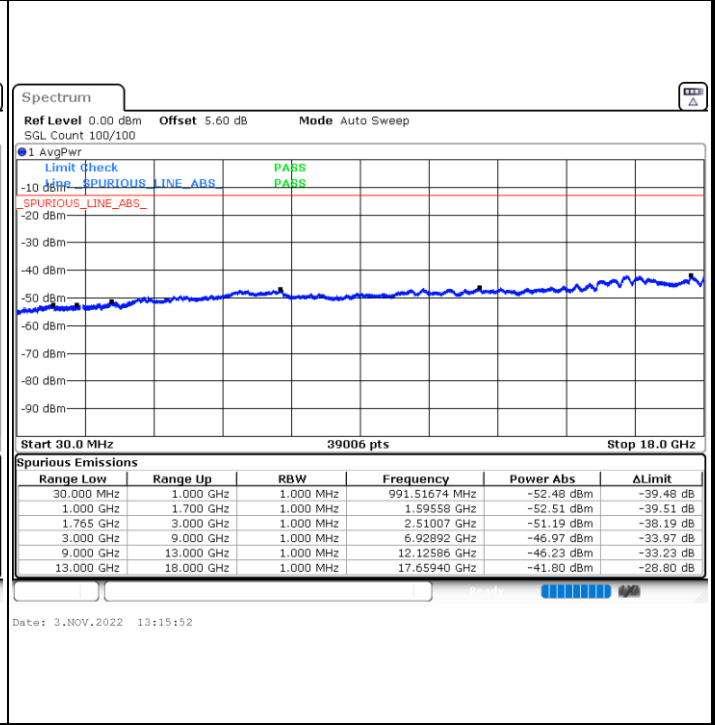


LTE Band 4 / 3MHz

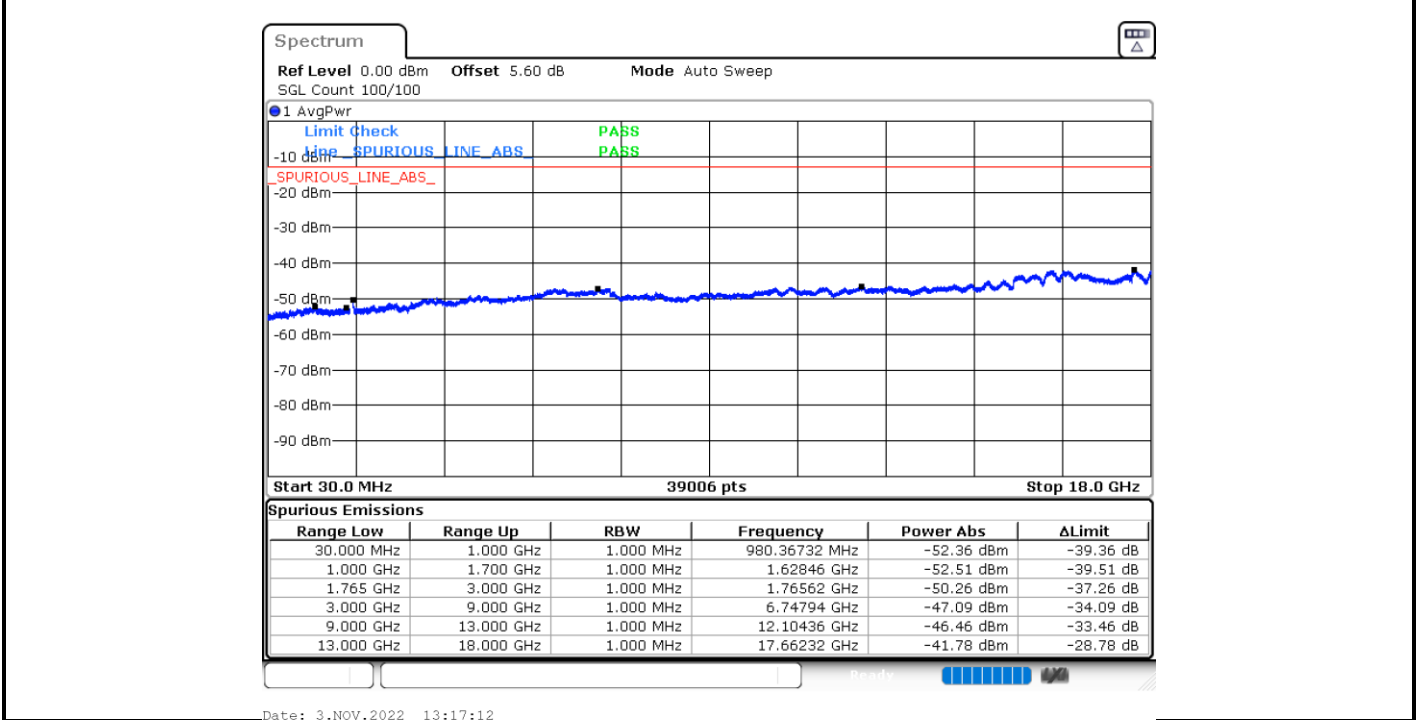
Lowest Channel / QPSK



Middle Channel / QPSK



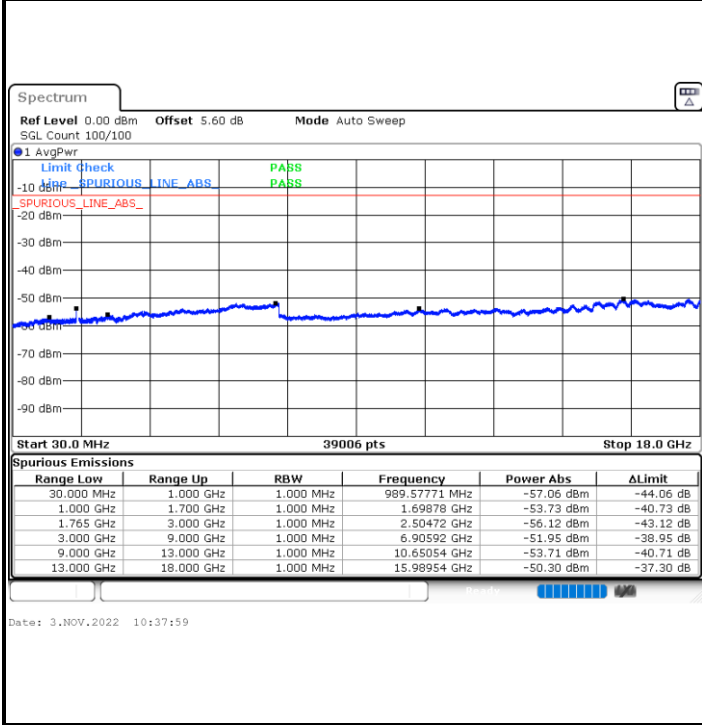
Highest Channel / QPSK



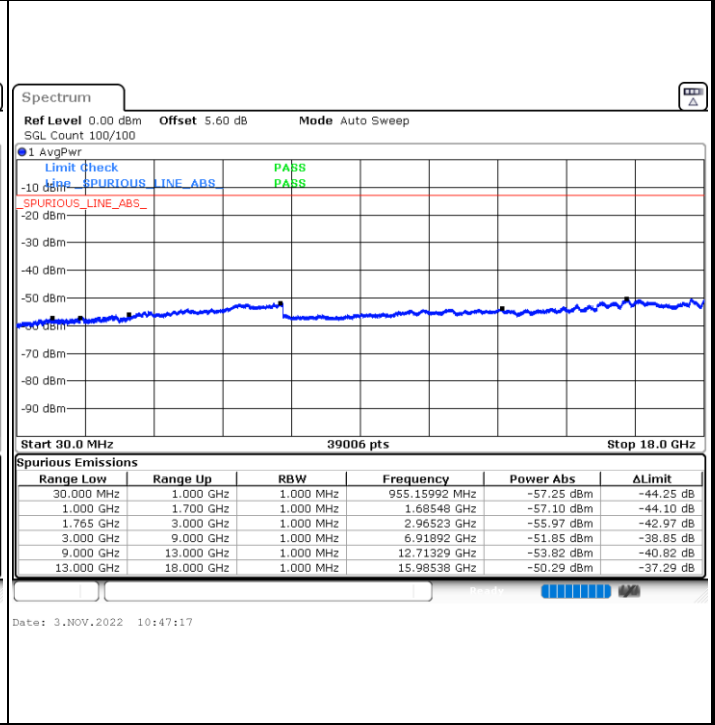


LTE Band 4 / 5MHz

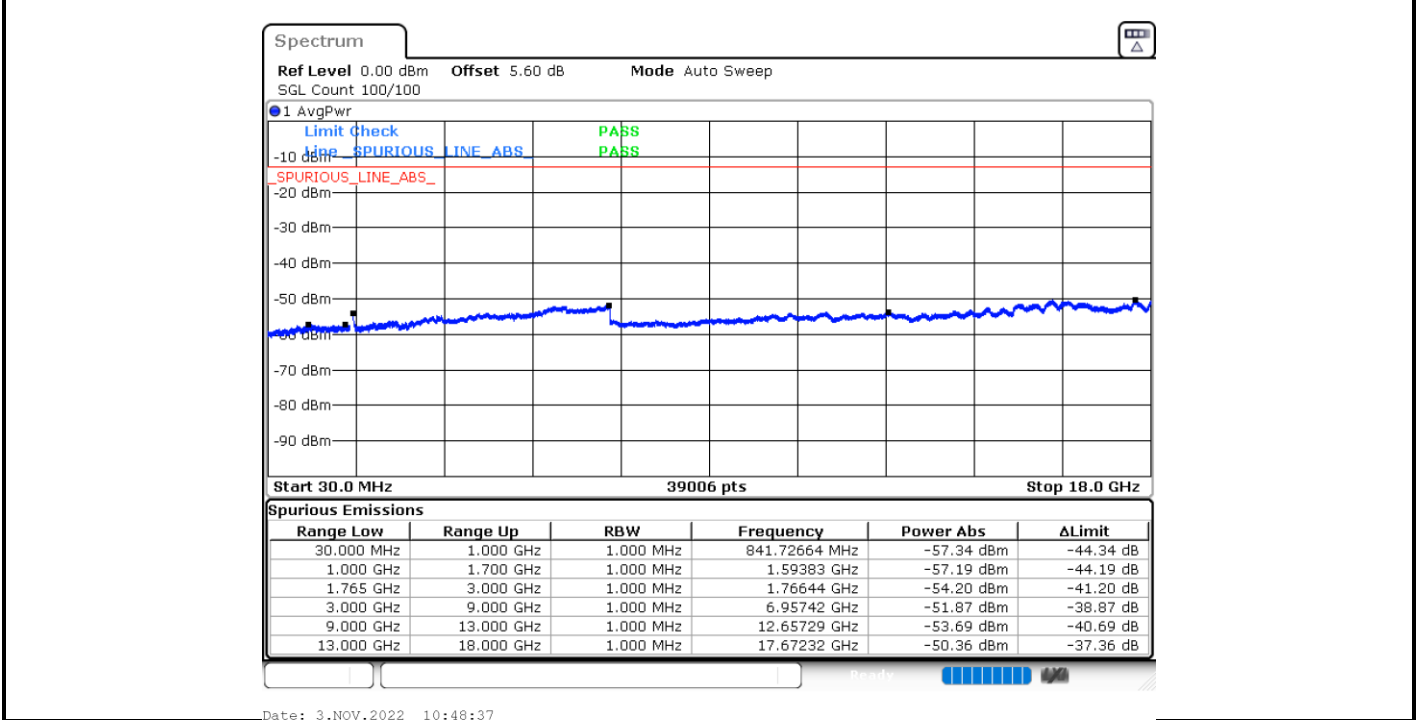
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

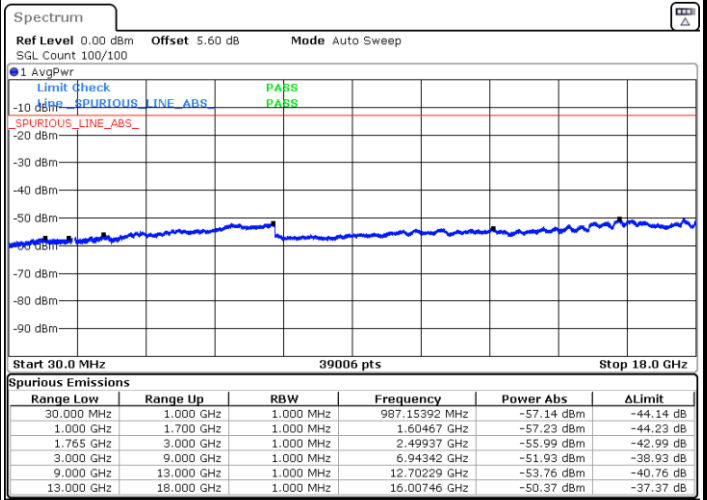
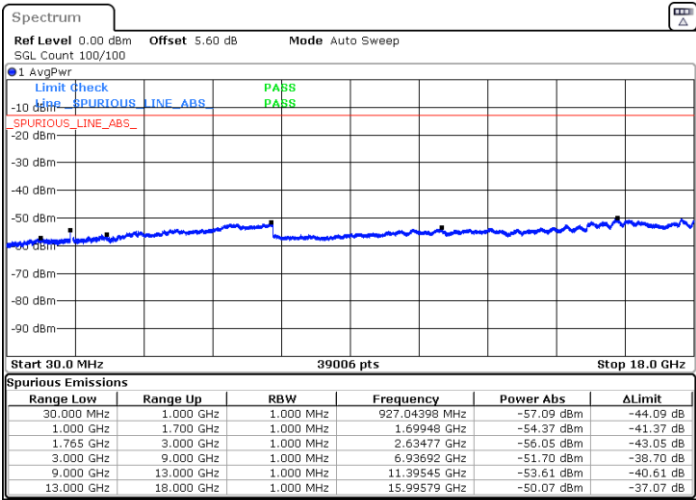




LTE Band 4 / 10MHz

Lowest Channel / QPSK

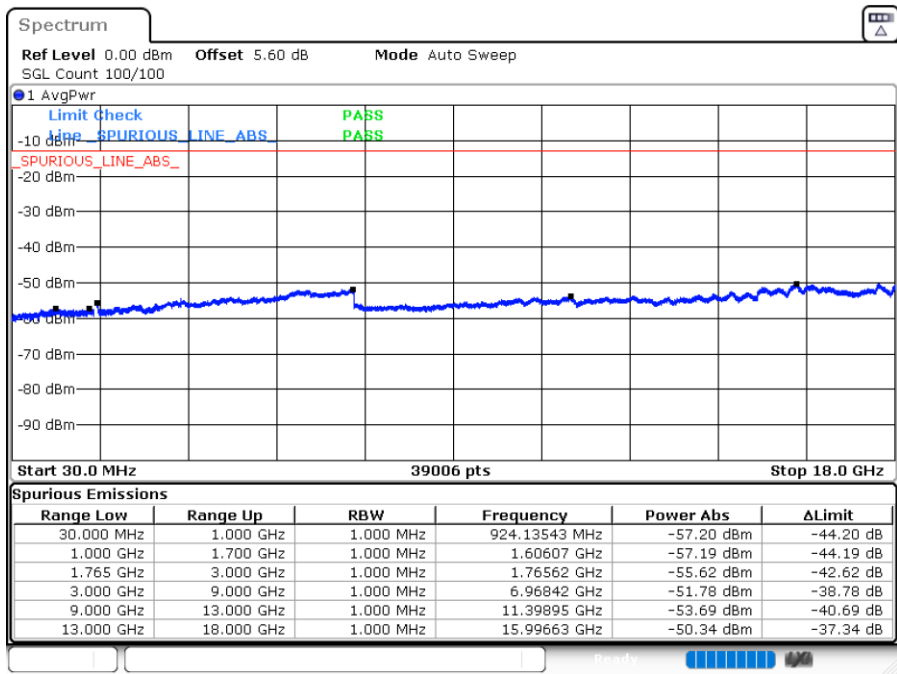
Middle Channel / QPSK



Date: 3.NOV.2022 10:57:55

Date: 3.NOV.2022 11:07:14

Highest Channel / QPSK



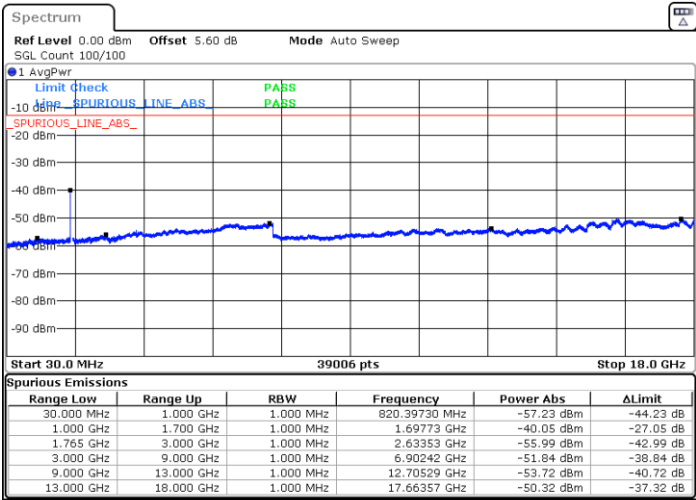
Date: 3.NOV.2022 11:08:33



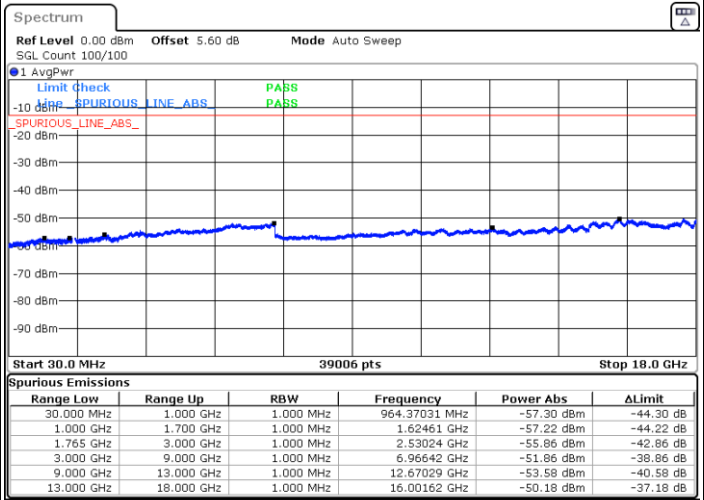
LTE Band 4 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

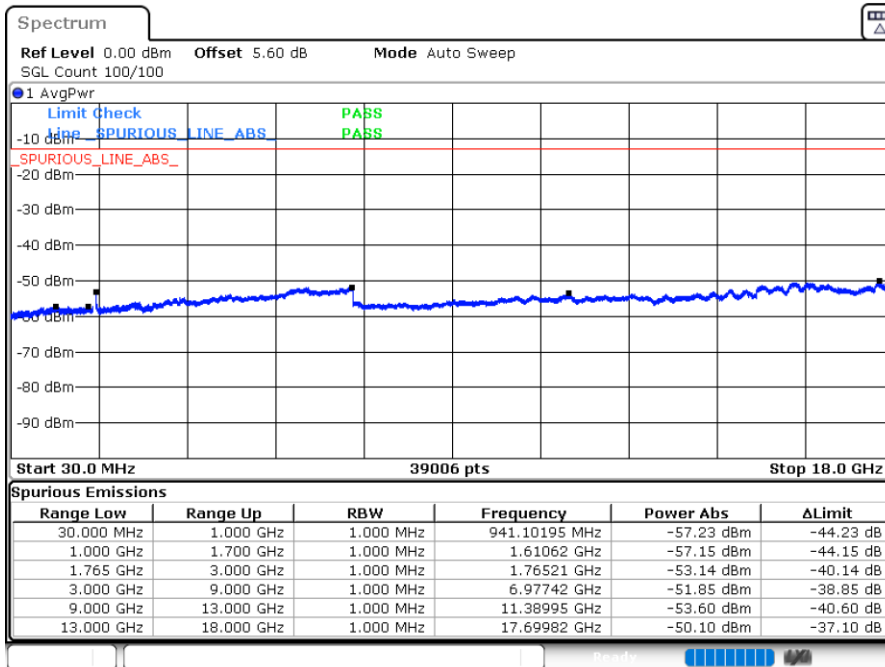


Date: 3.NOV.2022 11:17:52



Date: 3.NOV.2022 11:27:11

Highest Channel / QPSK



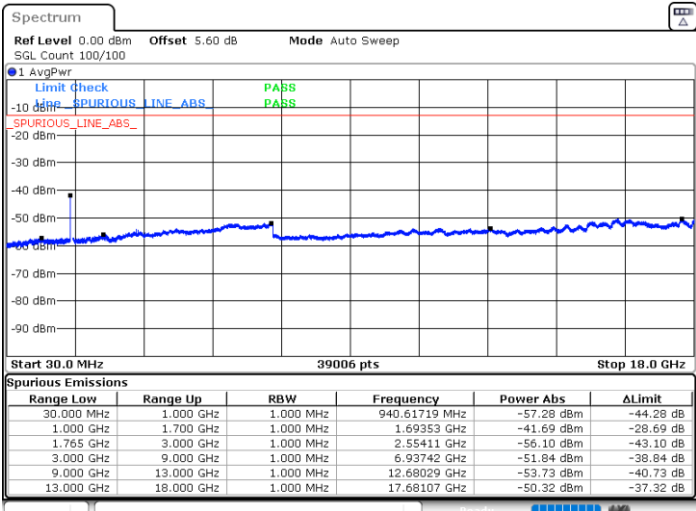
Date: 3.NOV.2022 11:28:30



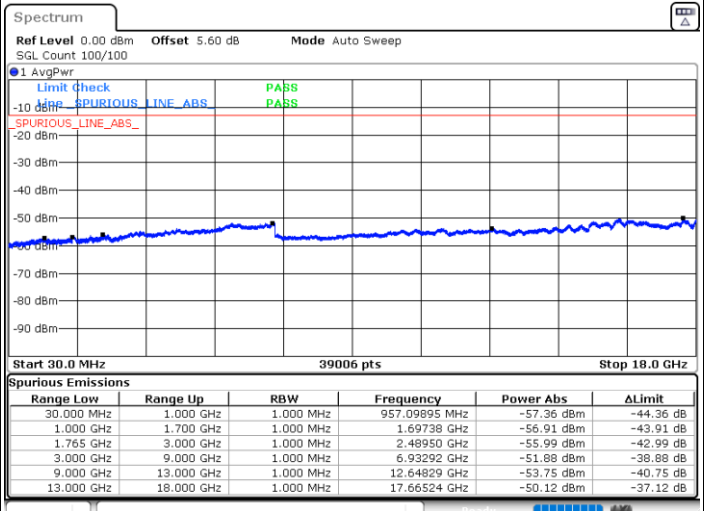
LTE Band 4 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

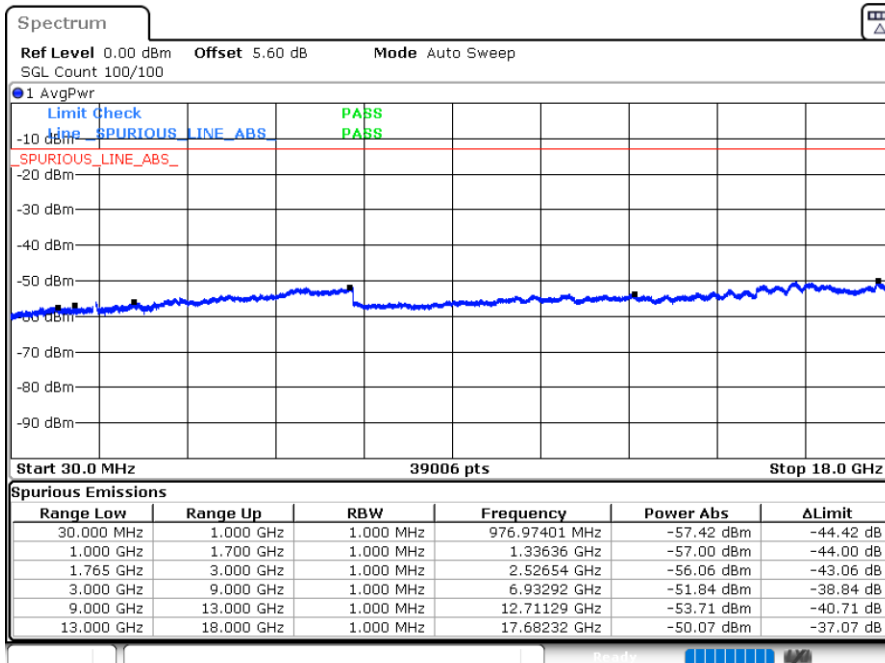


Date: 3.NOV.2022 11:37:50



Date: 3.NOV.2022 11:47:09

Highest Channel / QPSK



Date: 3.NOV.2022 11:48:29



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	0.0026	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0019	

Note:

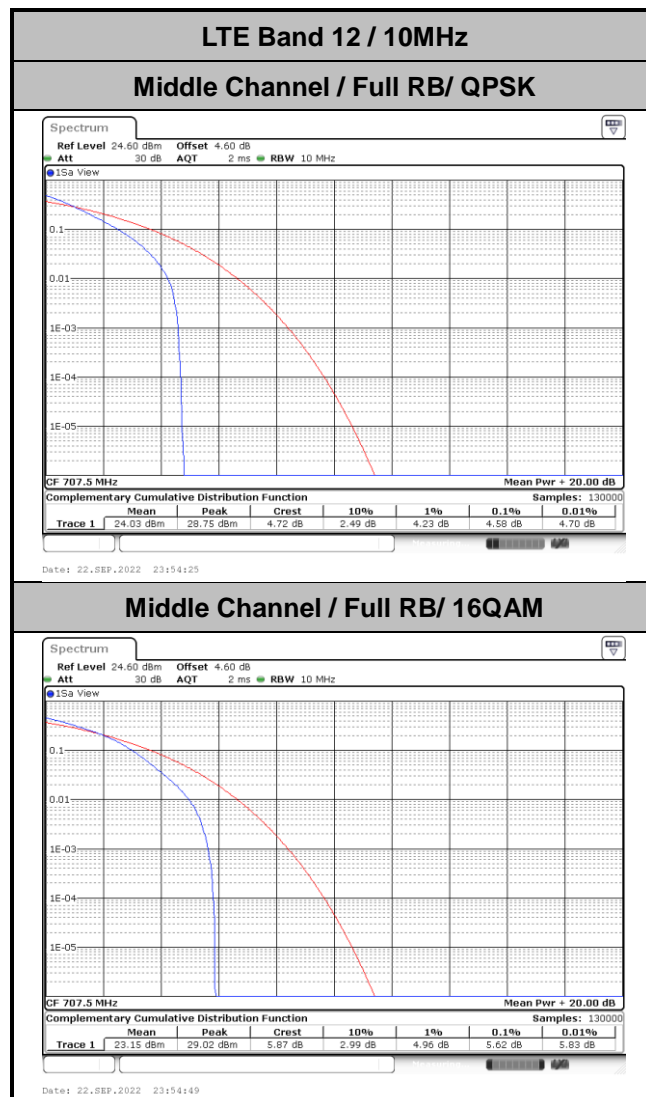
1. Normal Voltage =3.88V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.27V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

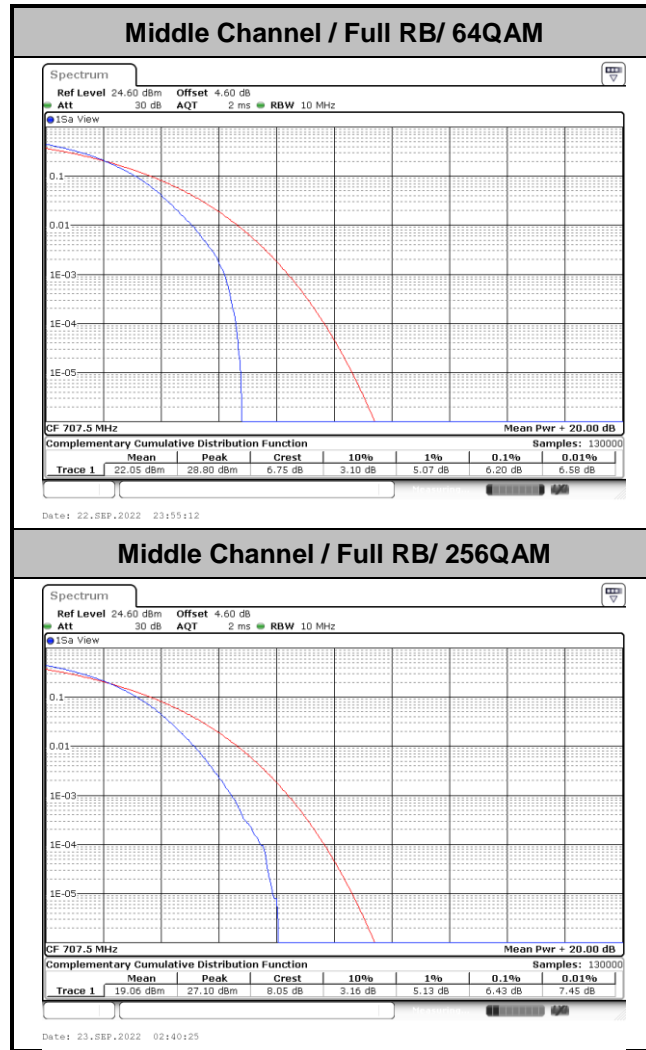


LTE Band 12

Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.58	5.62	6.20	6.43	PASS

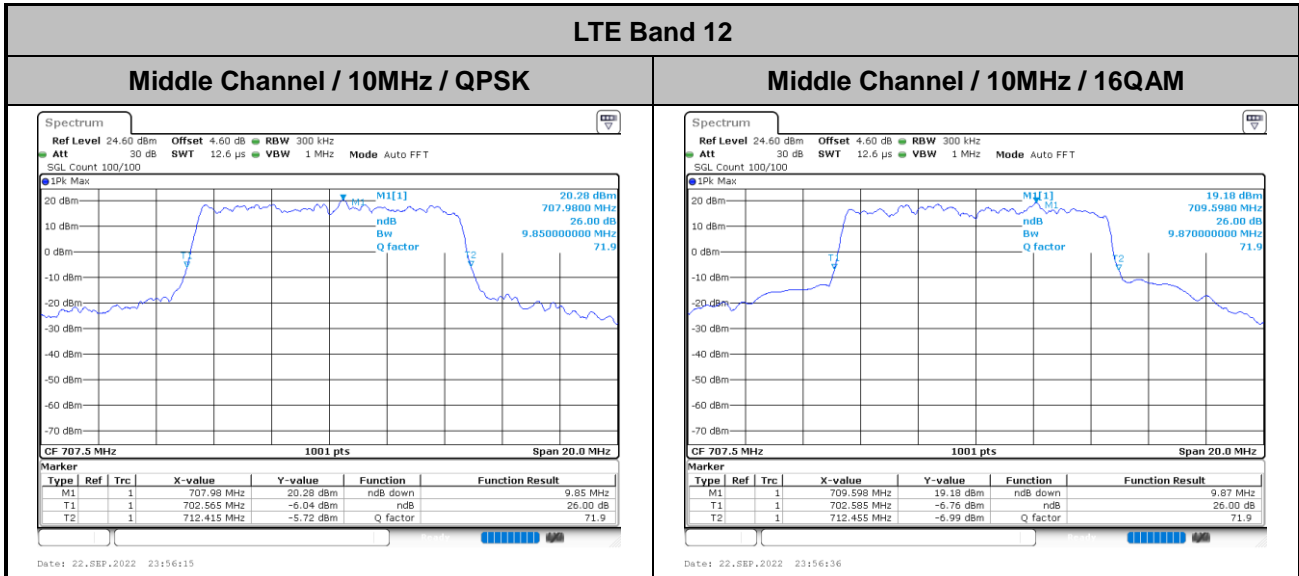






26dB Bandwidth

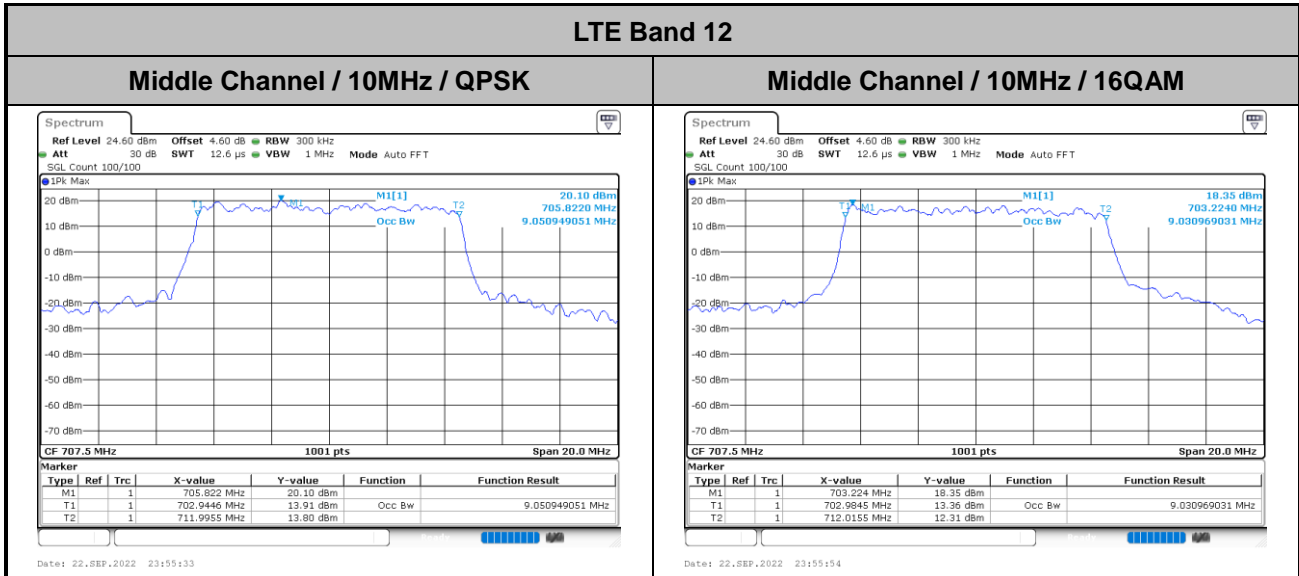
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.85	9.87





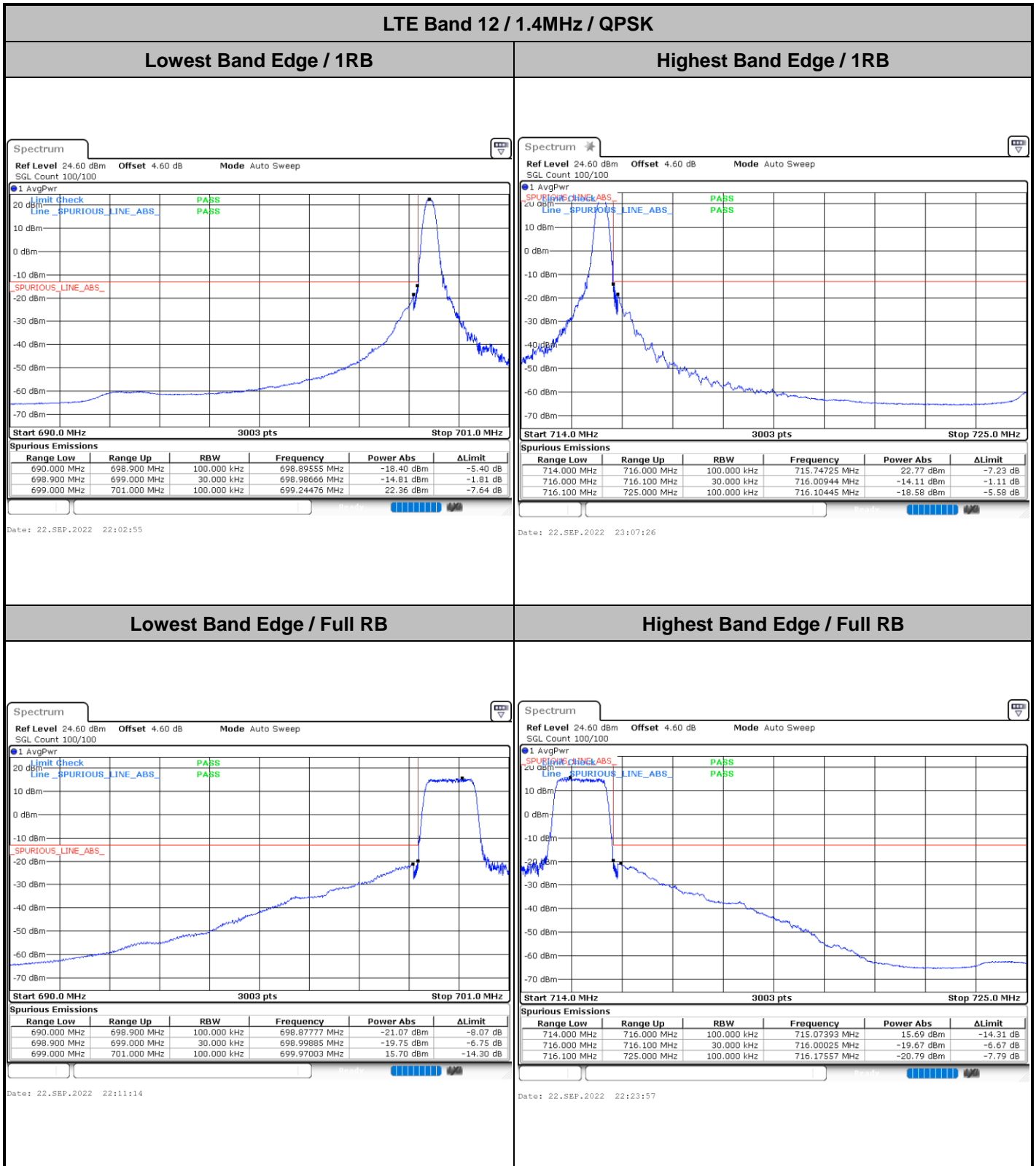
Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.03





Conducted Band Edge





LTE Band 12 / 1.4MHz / 16QAM

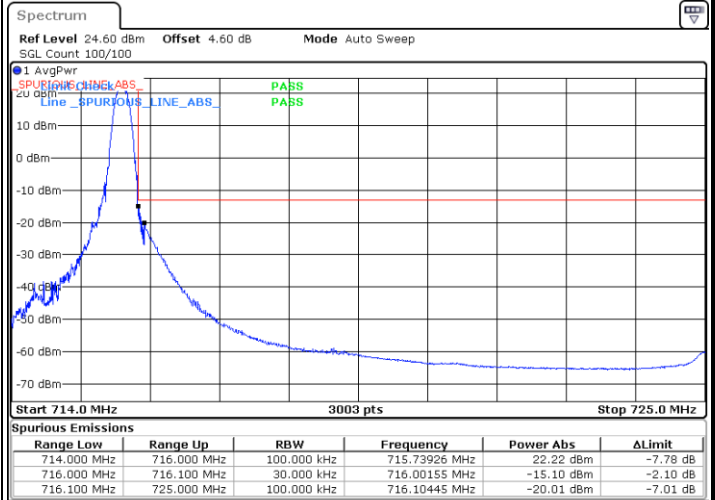
Lowest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-18.92 dBm	-5.92 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99426 MHz	-14.33 dBm	-1.33 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.24476 MHz	22.55 dBm	-7.45 dB

Date: 22.SEP.2022 22:04:35

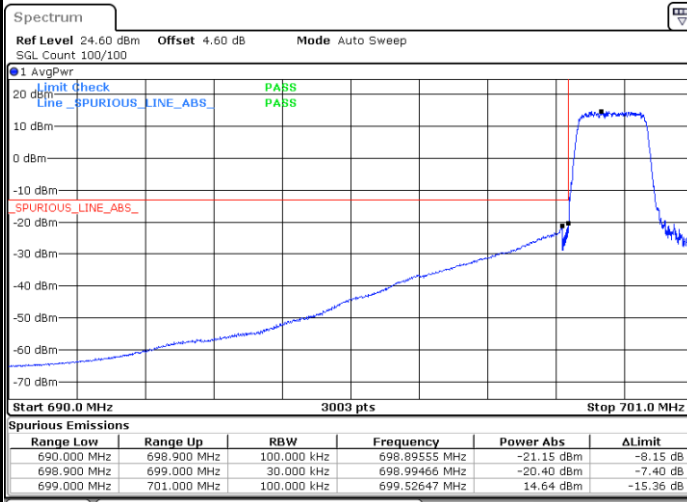
Highest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.73926 MHz	22.22 dBm	-7.78 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00155 MHz	-15.10 dBm	-2.10 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-20.01 dBm	-7.01 dB

Date: 22.SEP.2022 22:17:16

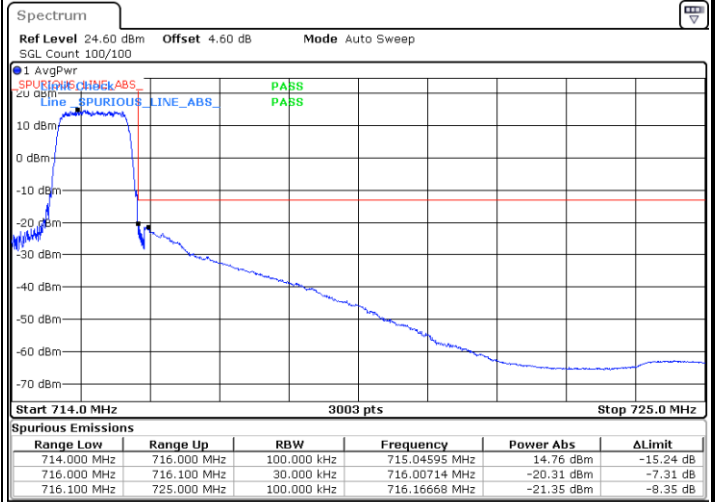
Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-21.15 dBm	-8.15 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99466 MHz	-20.40 dBm	-7.40 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.52647 MHz	14.64 dBm	-15.36 dB

Date: 22.SEP.2022 22:09:34

Highest Band Edge / Full RB



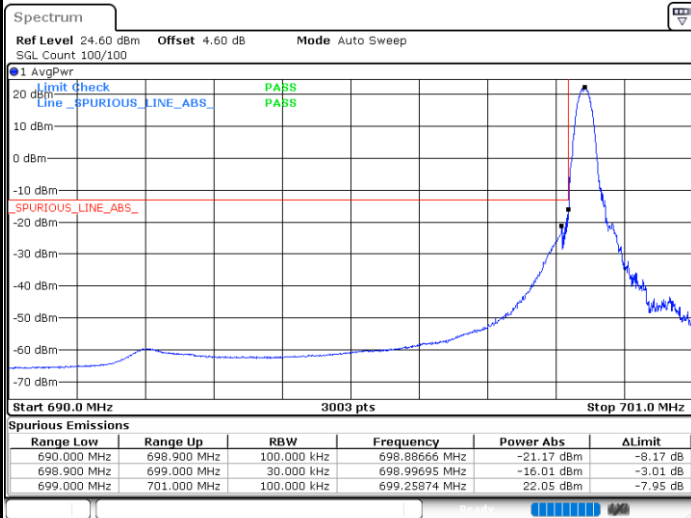
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.04595 MHz	14.76 dBm	-15.24 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00714 MHz	-20.31 dBm	-7.31 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.16668 MHz	-21.35 dBm	-8.35 dB

Date: 22.SEP.2022 22:22:17

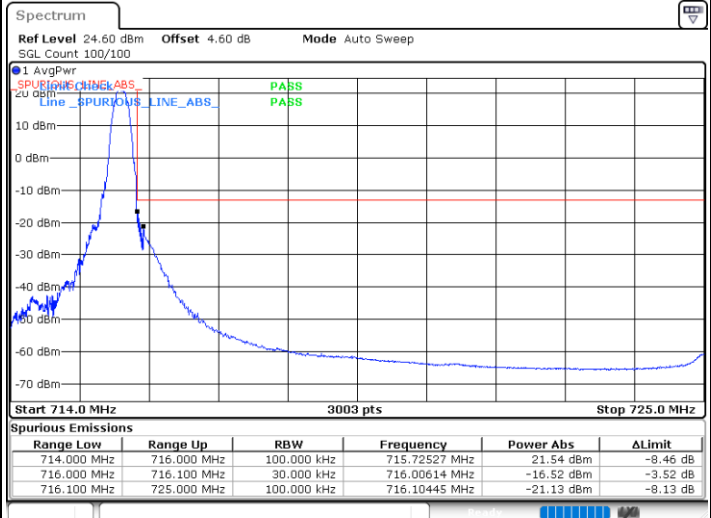


LTE Band 12 / 1.4MHz / 64QAM

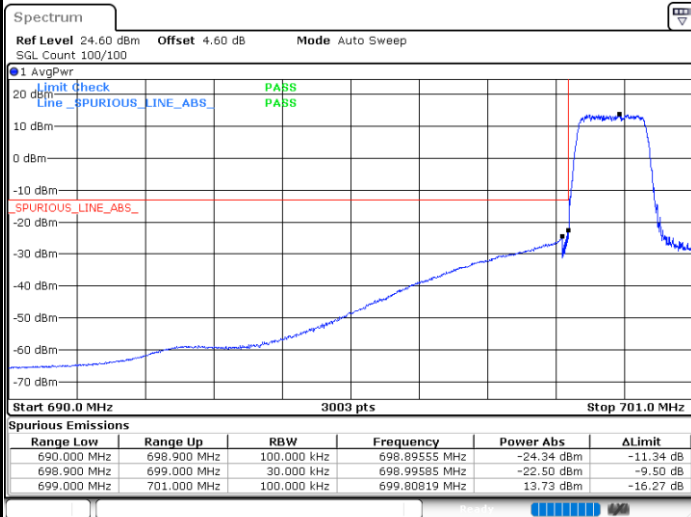
Lowest Band Edge / 1 RB



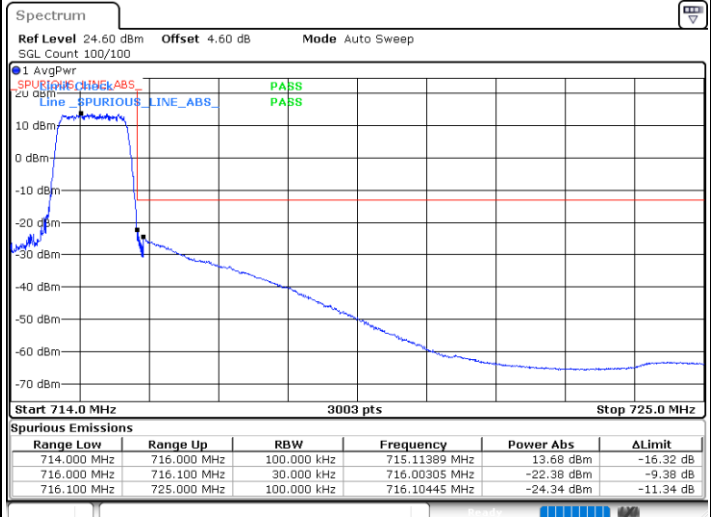
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



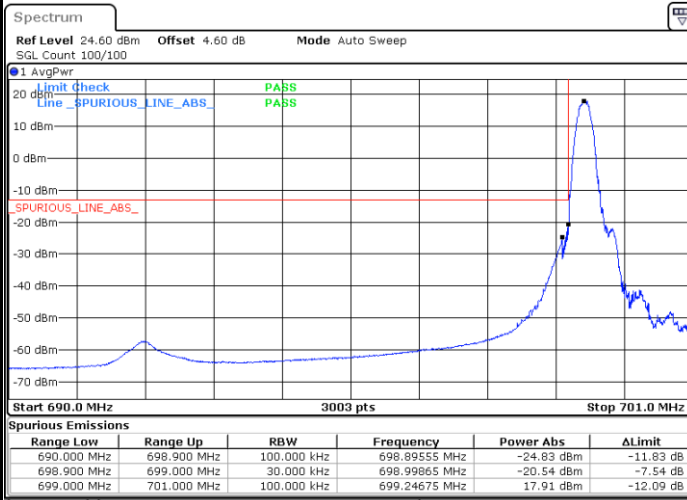
Highest Band Edge / Full RB





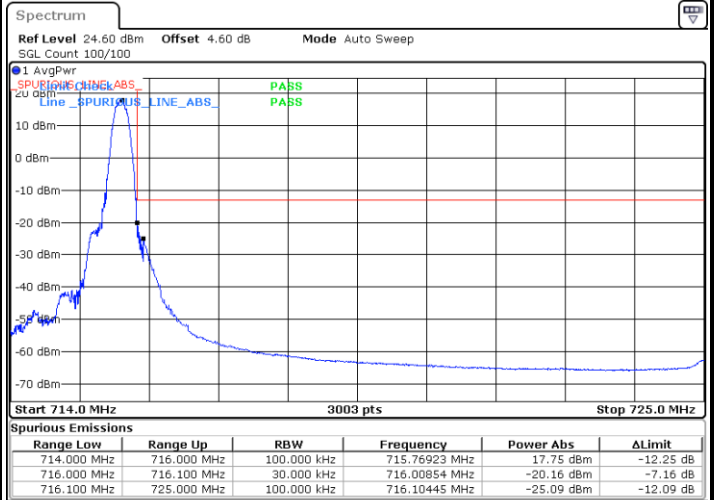
LTE Band 12 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



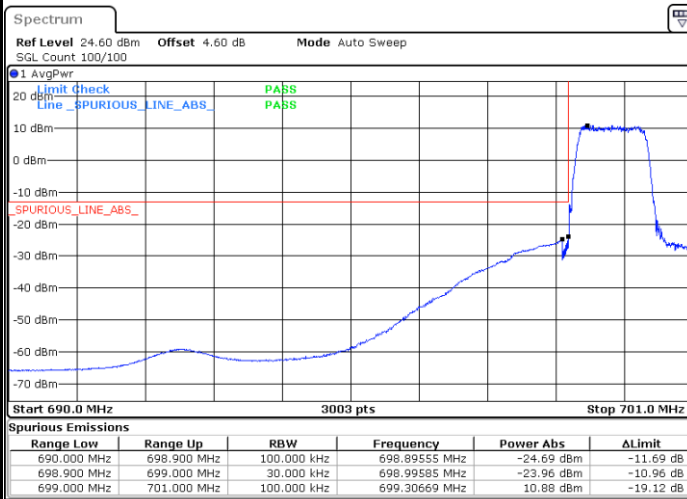
Date: 22.SEP.2022 21:56:08

Highest Band Edge / 1 RB



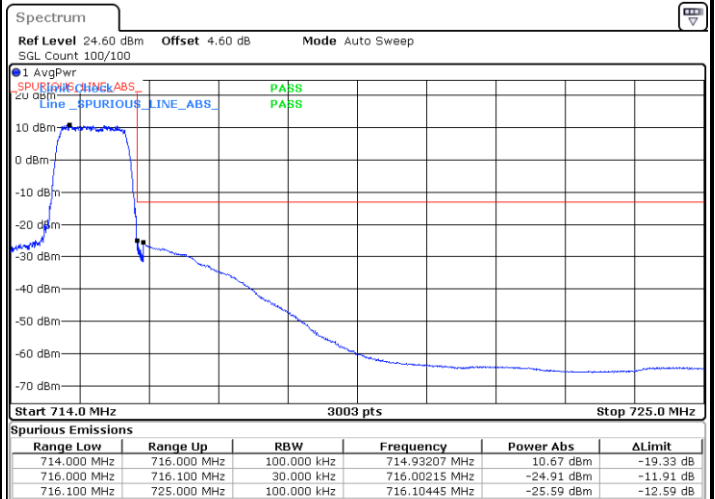
Date: 22.SEP.2022 21:57:53

Lowest Band Edge / Full RB



Date: 22.SEP.2022 21:55:10

Highest Band Edge / Full RB

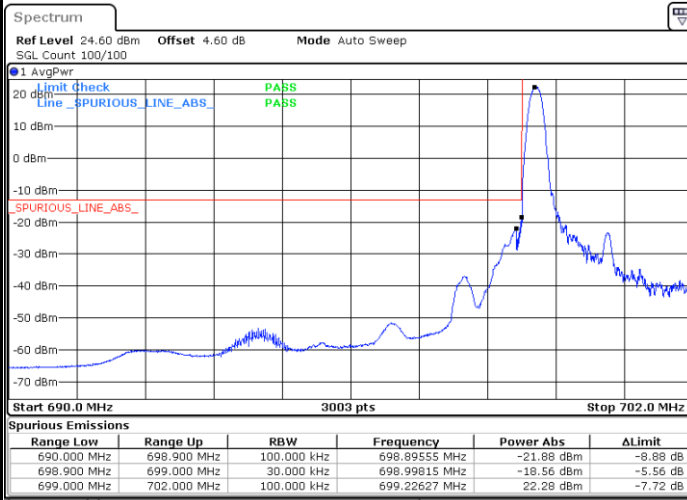


Date: 22.SEP.2022 21:58:44



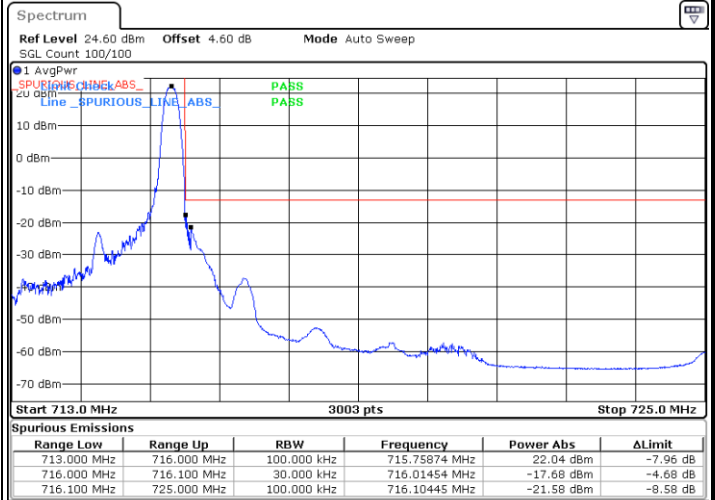
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



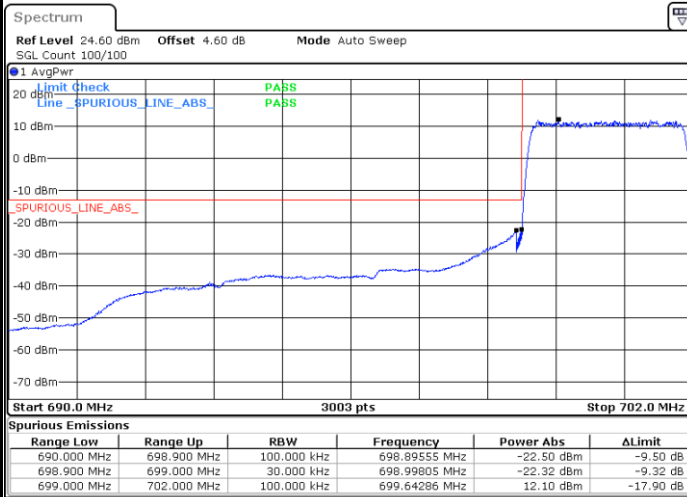
Date: 22.SEP.2022 22:26:58

Highest Band Edge / 1 RB



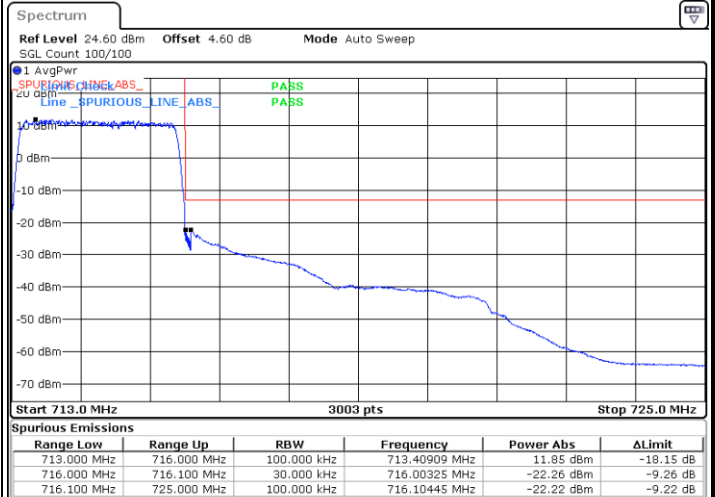
Date: 22.SEP.2022 22:39:36

Lowest Band Edge / Full RB



Date: 22.SEP.2022 22:35:18

Highest Band Edge / Full RB

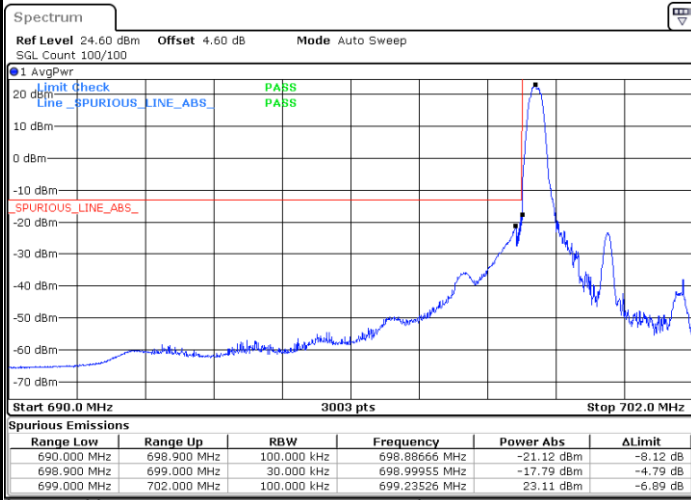


Date: 22.SEP.2022 22:47:55

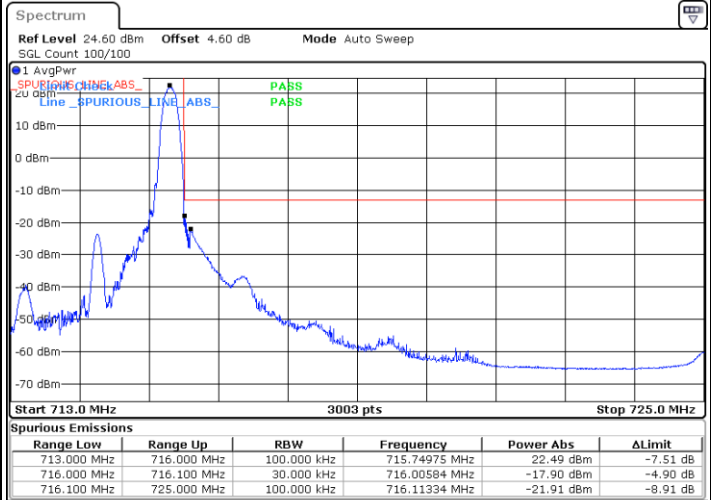


LTE Band 12 / 3MHz / 16QAM

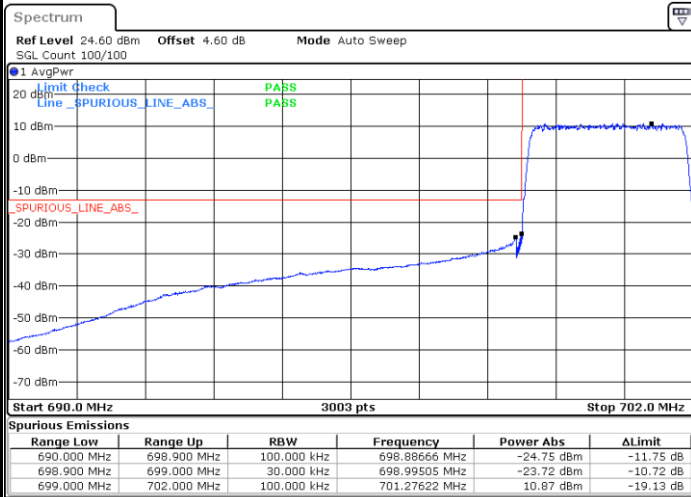
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

