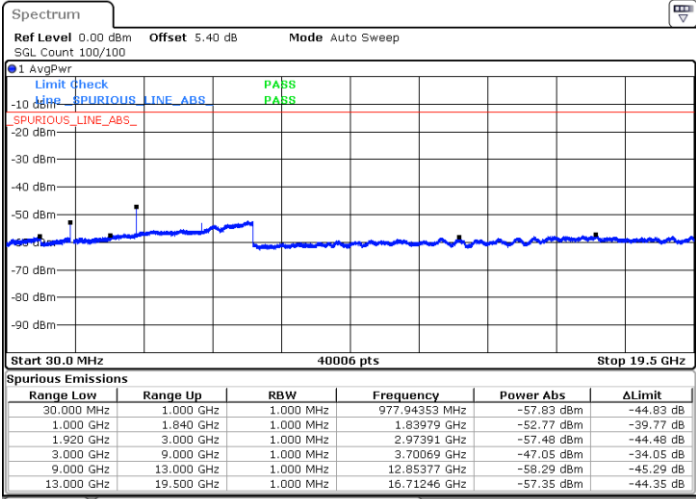




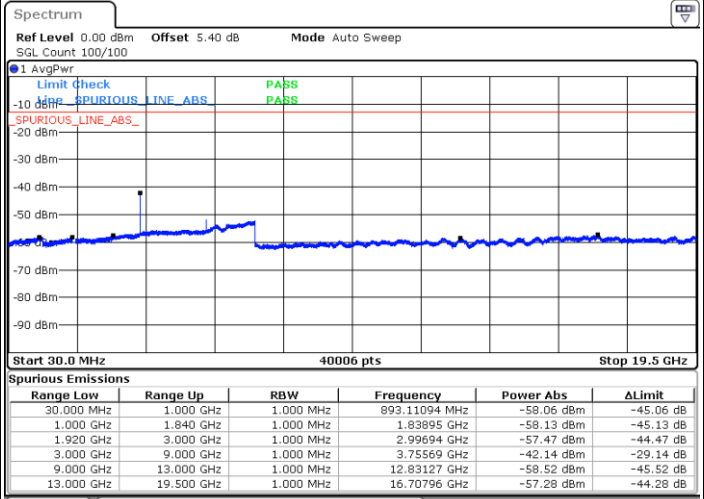
LTE Band 2 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

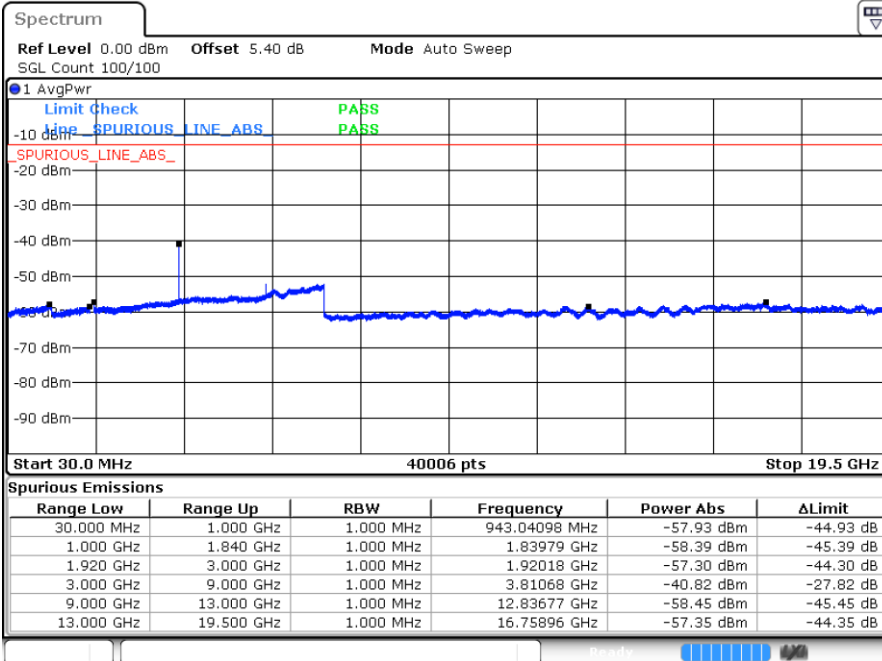


Date: 22.DEC.2021 01:45:13



Date: 22.DEC.2021 01:51:45

Highest Channel / QPSK



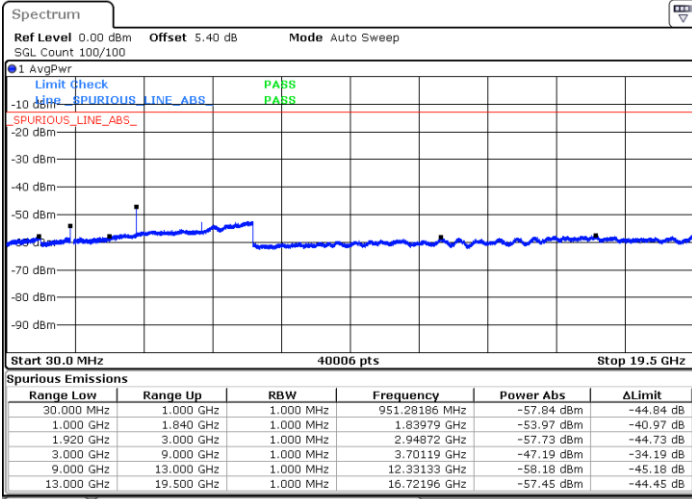
Date: 22.DEC.2021 01:52:50



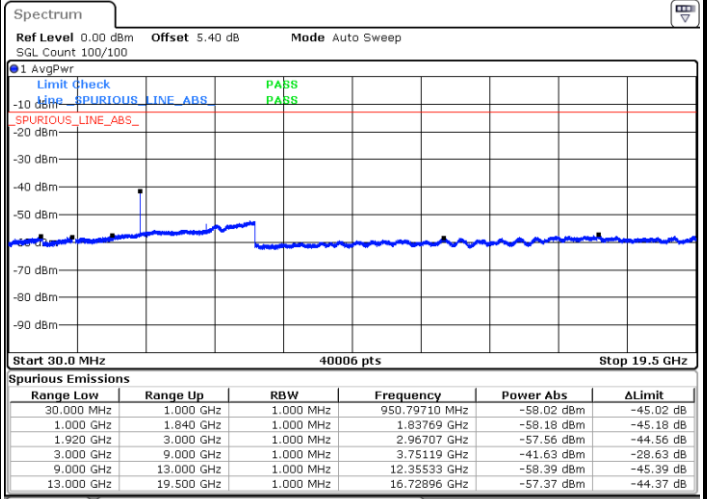
LTE Band 2 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

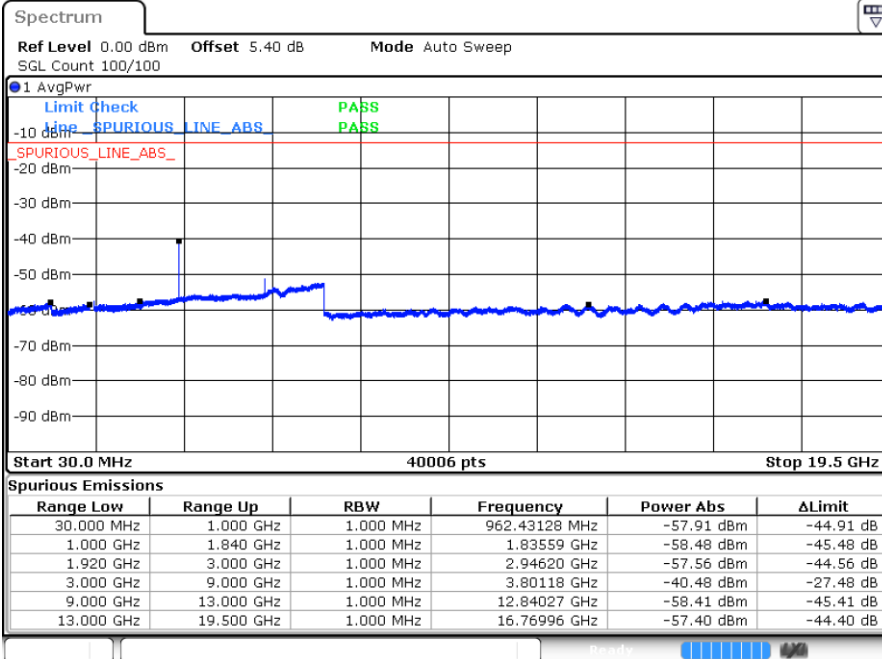


Date: 22.DEC.2021 02:01:52



Date: 22.DEC.2021 02:09:37

Highest Channel / QPSK



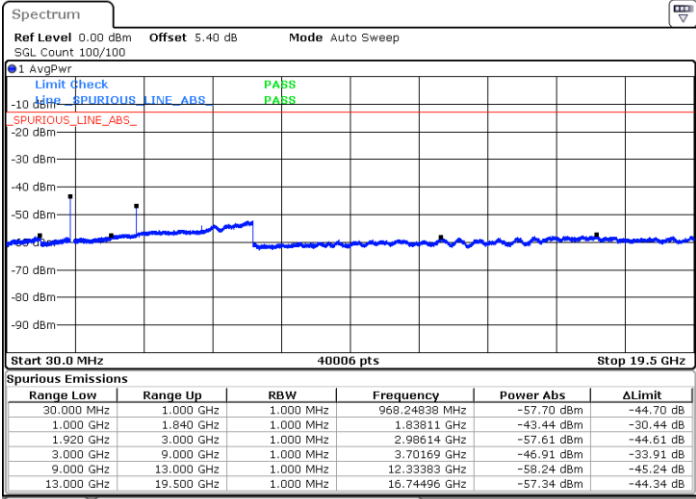
Date: 22.DEC.2021 02:10:42



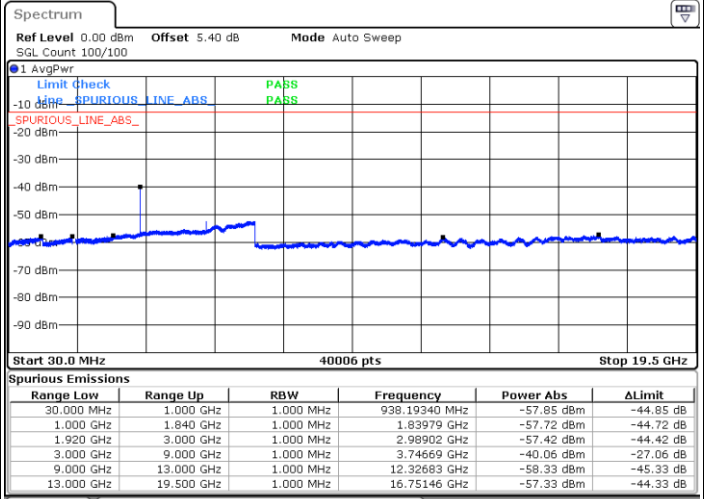
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

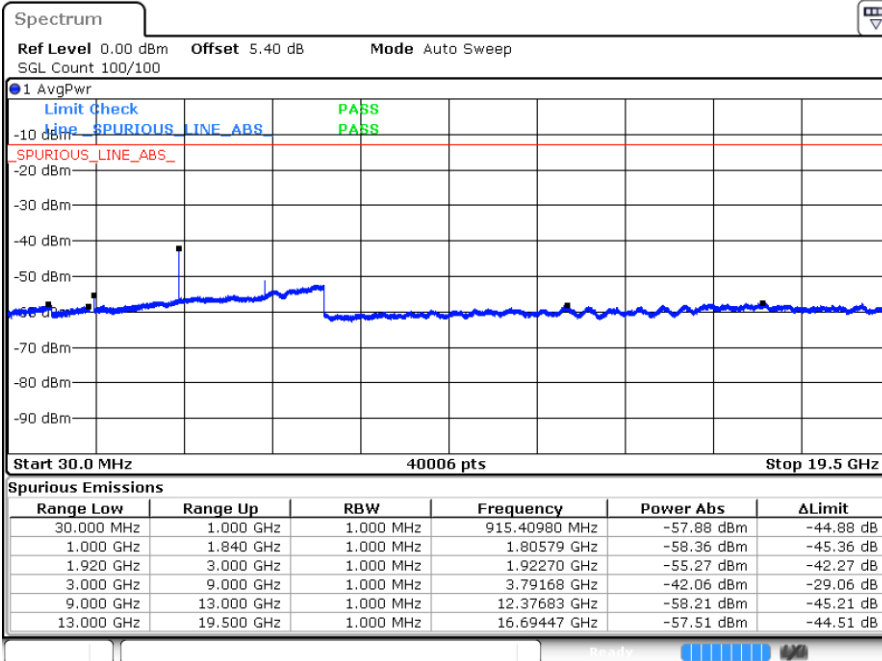


Date: 22.DEC.2021 02:18:35



Date: 22.DEC.2021 02:25:41

Highest Channel / QPSK



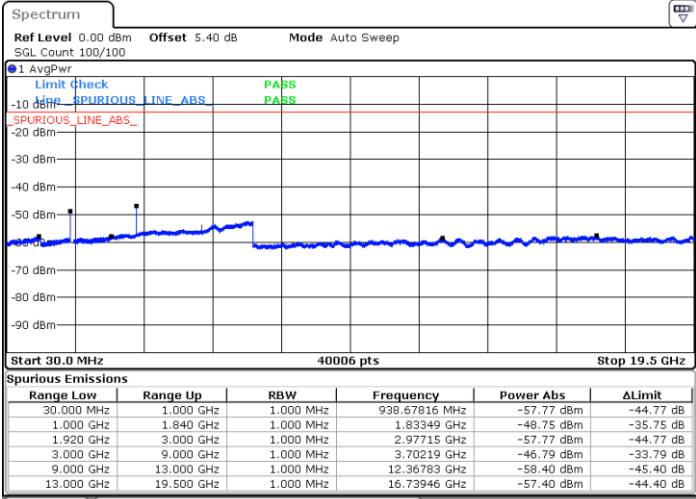
Date: 22.DEC.2021 02:26:46



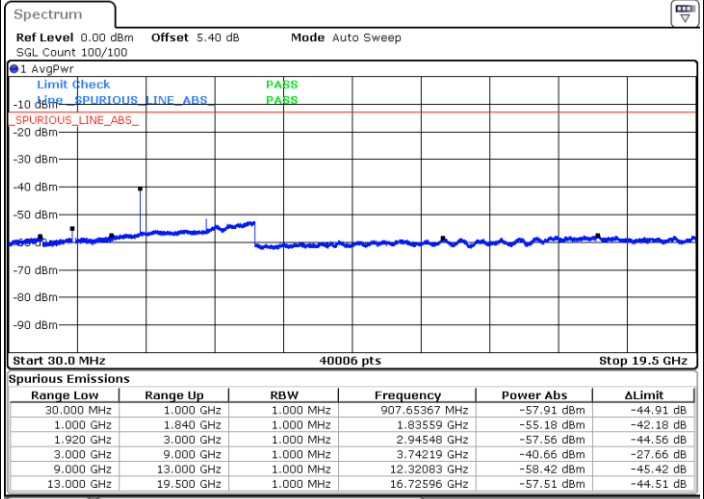
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

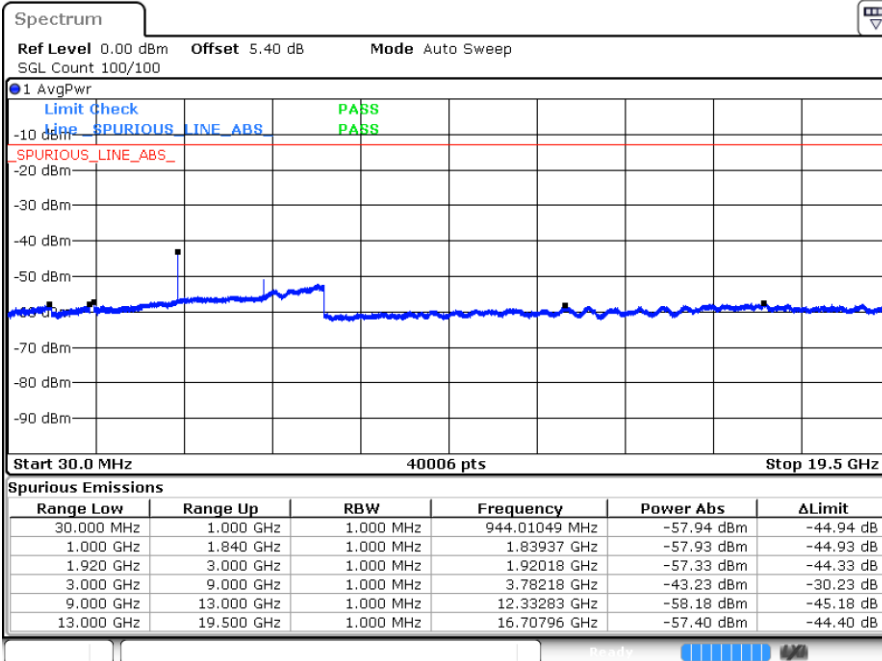


Date: 22.DEC.2021 02:33:31



Date: 22.DEC.2021 02:40:38

Highest Channel / QPSK



Date: 22.DEC.2021 02:41:43



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 4

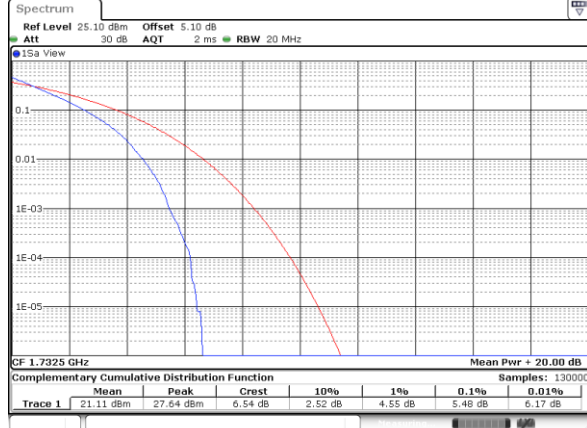
Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.48	6.38	6.67	PASS



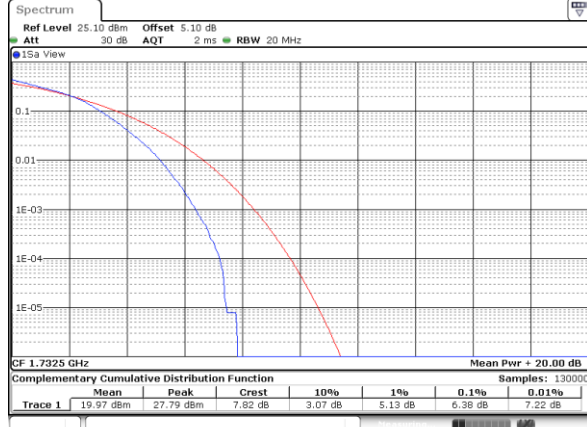
LTE Band 4 / 20MHz

Middle Channel / Full RB/ QPSK



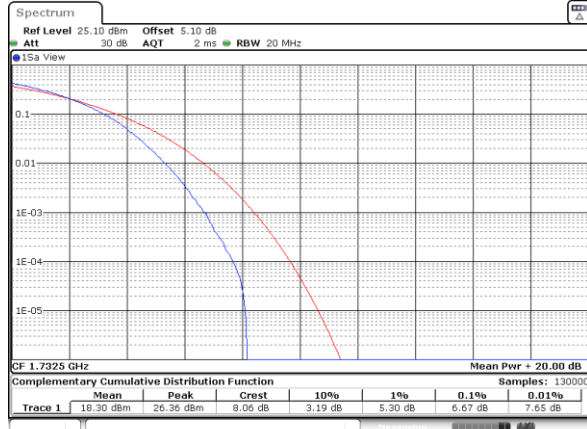
Date: 22 DEC 2021 04:33:31

Middle Channel / Full RB/ 16QAM



Date: 22 DEC 2021 04:34:35

Middle Channel / Full RB/ 64QAM

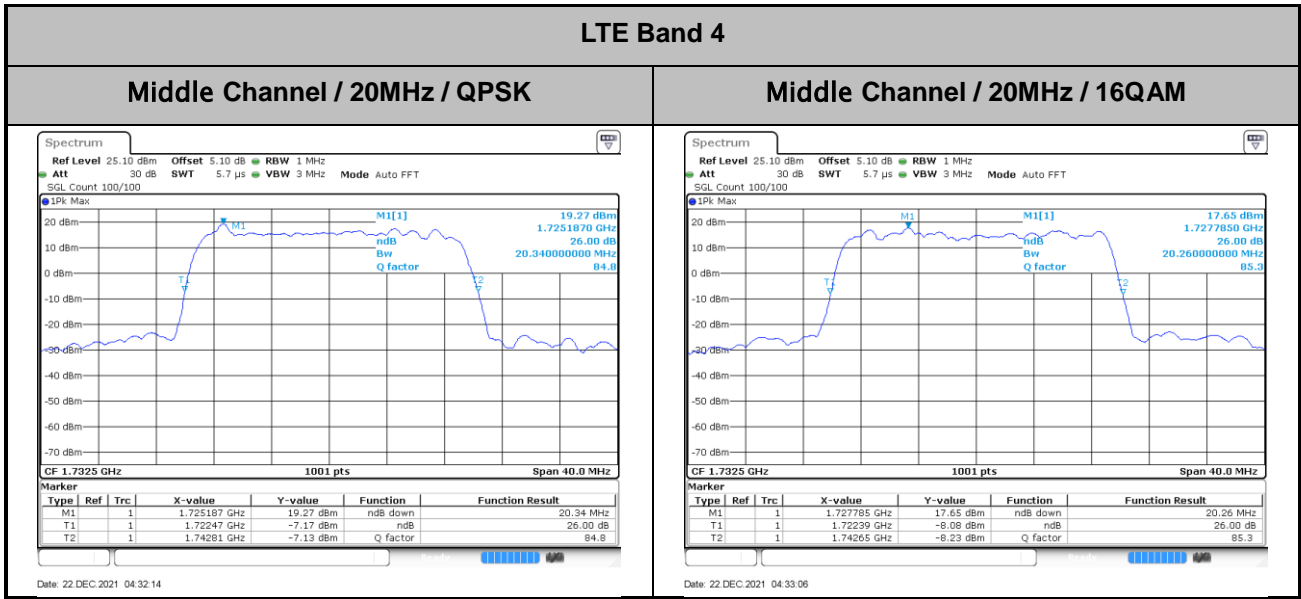


Date: 25 JAN 2022 02:50:45



26dB Bandwidth

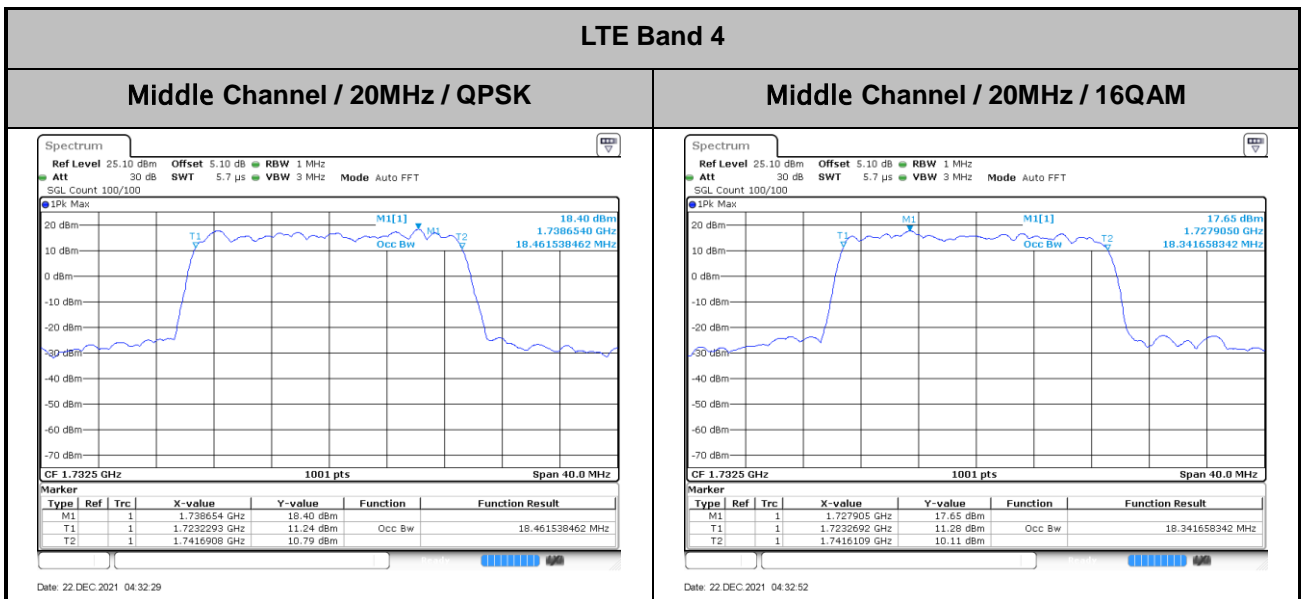
Mode	LTE Band 4 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.34	20.26





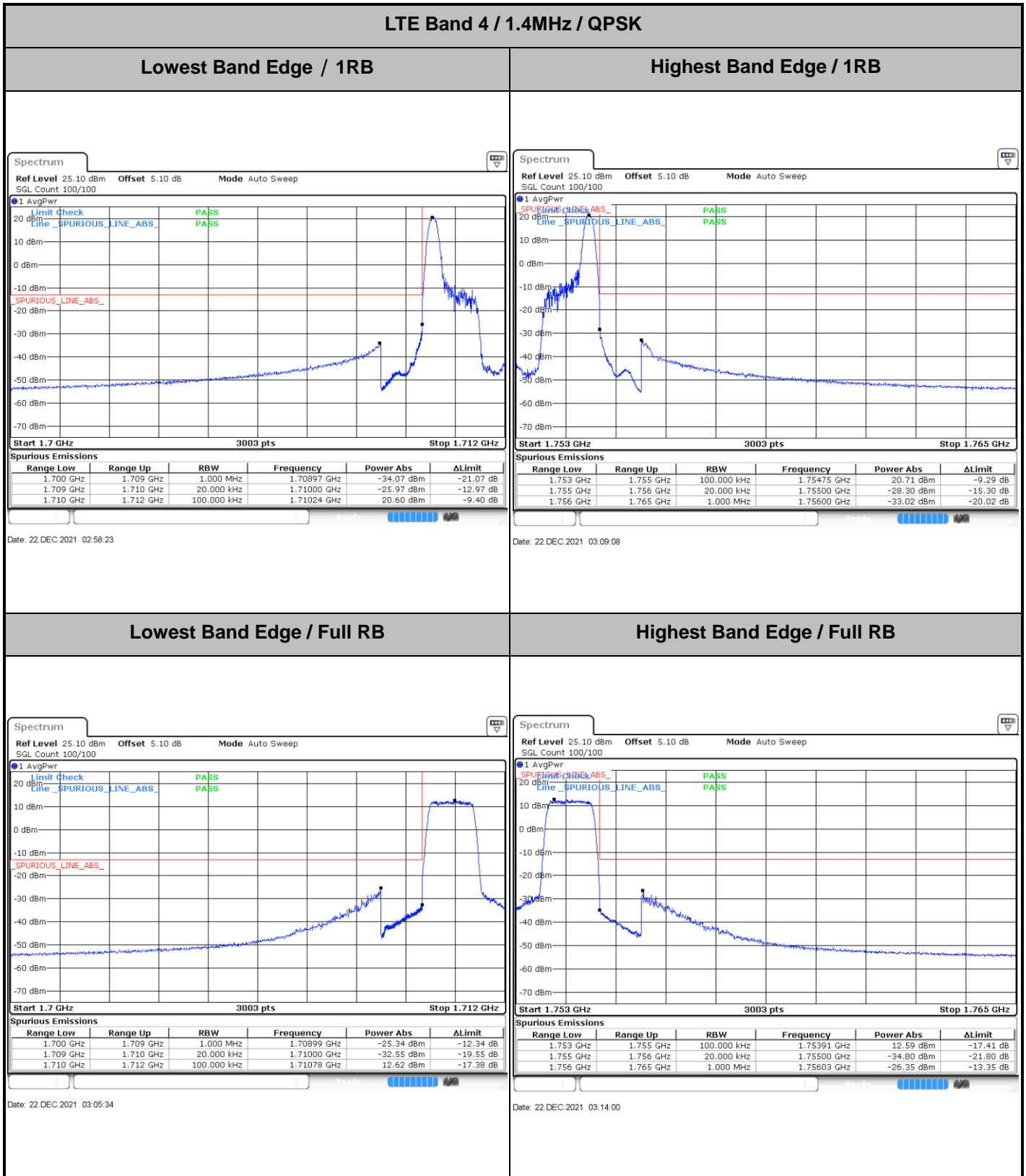
Occupied Bandwidth

Mode	LTE Band 4 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.46	18.34





Conducted Band Edge

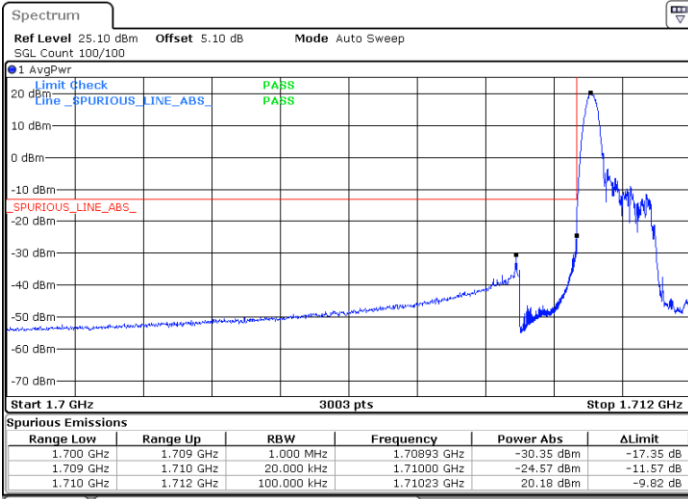




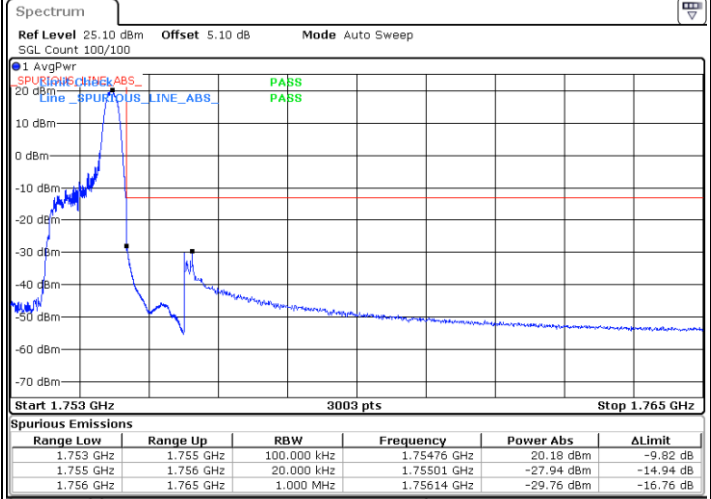
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



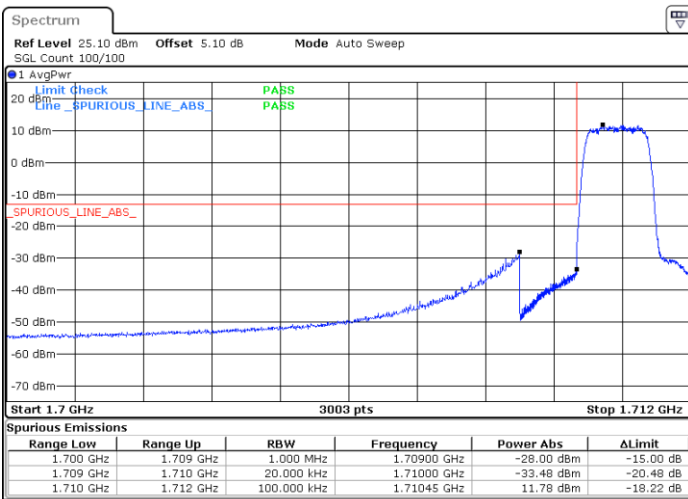
Date: 22.DEC.2021 03:00:10



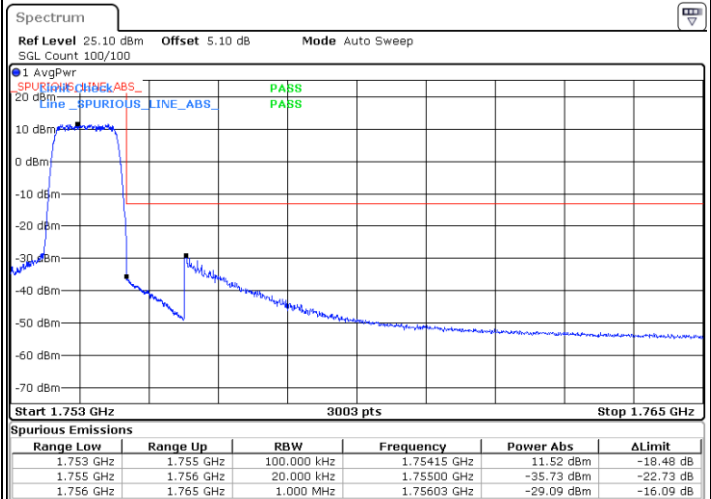
Date: 22.DEC.2021 03:10:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22.DEC.2021 03:03:35



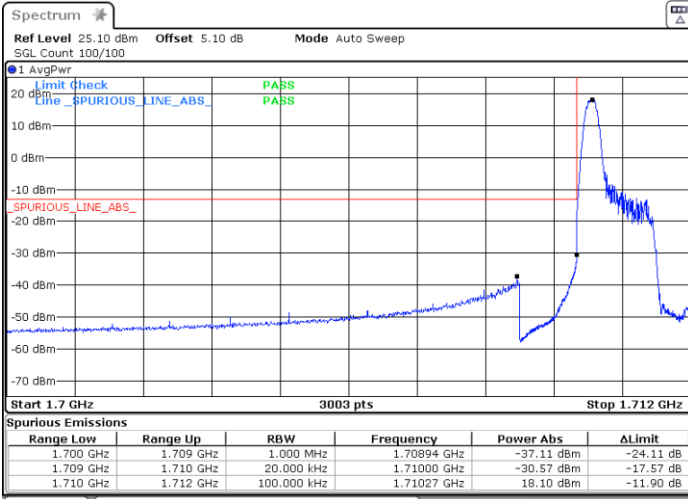
Date: 22.DEC.2021 03:11:58



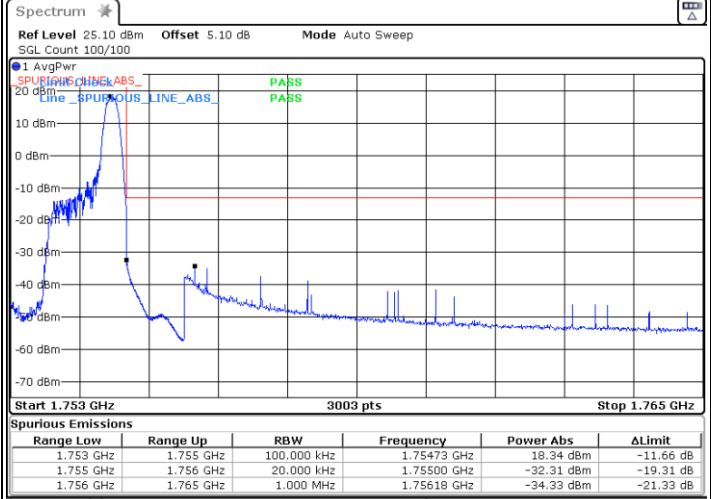
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



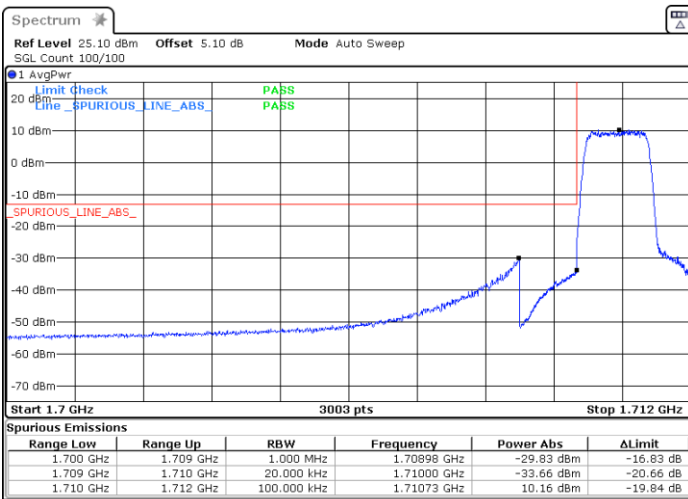
Date: 25.JAN.2022 02:25:39



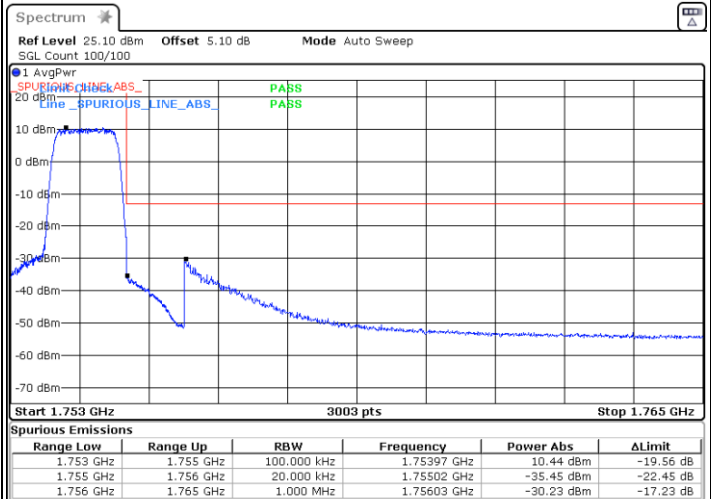
Date: 25.JAN.2022 02:30:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.JAN.2022 02:27:35

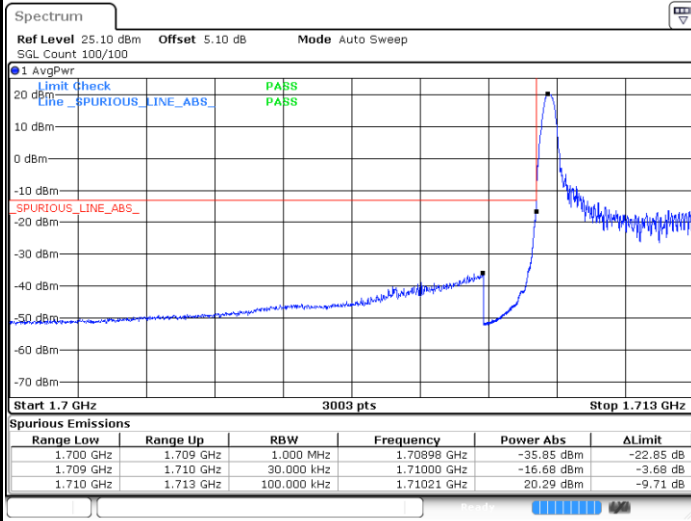


Date: 25.JAN.2022 02:29:04



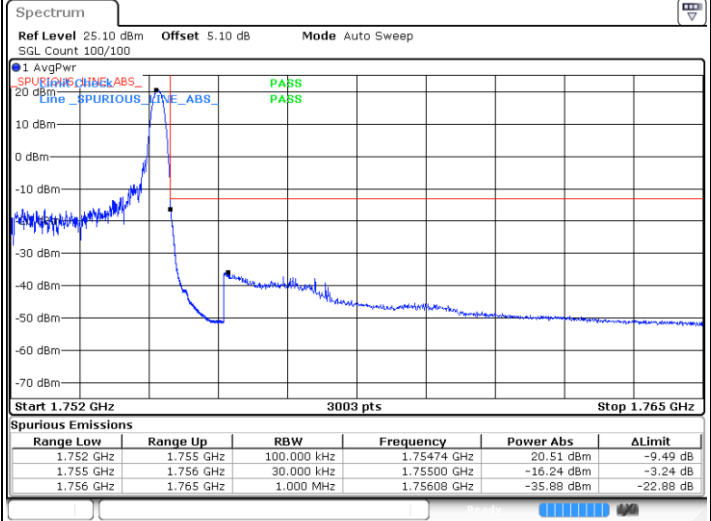
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



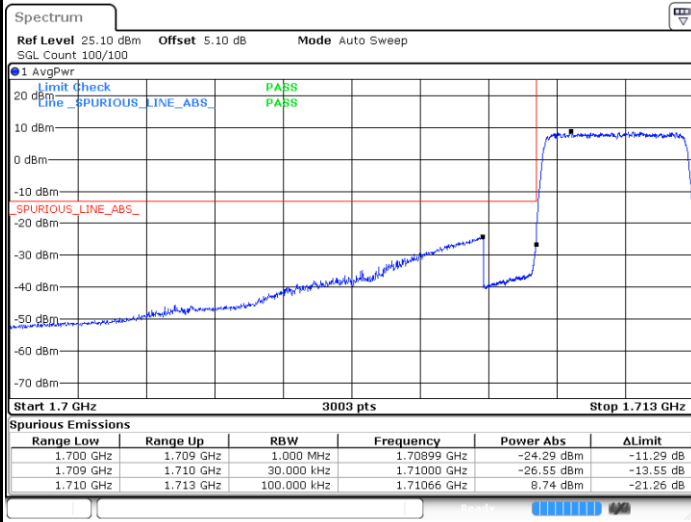
Date: 22 DEC 2021 03:16:52

Highest Band Edge / 1 RB



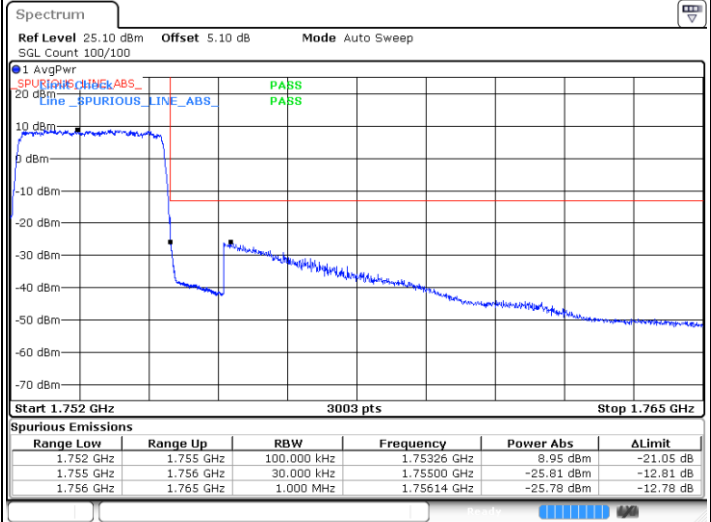
Date: 22 DEC 2021 03:25:49

Lowest Band Edge / Full RB



Date: 22 DEC 2021 03:22:14

Highest Band Edge / Full RB



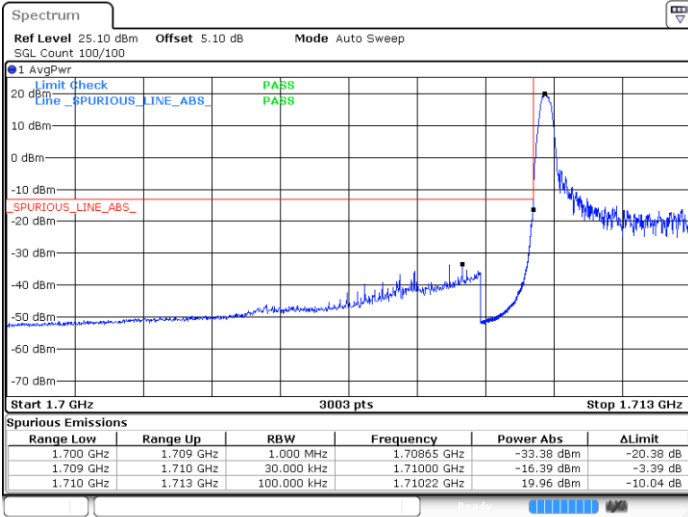
Date: 22 DEC 2021 03:30:37



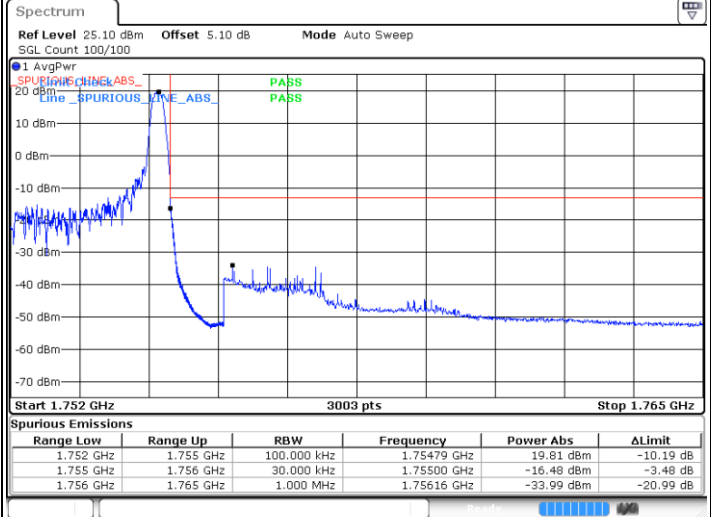
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



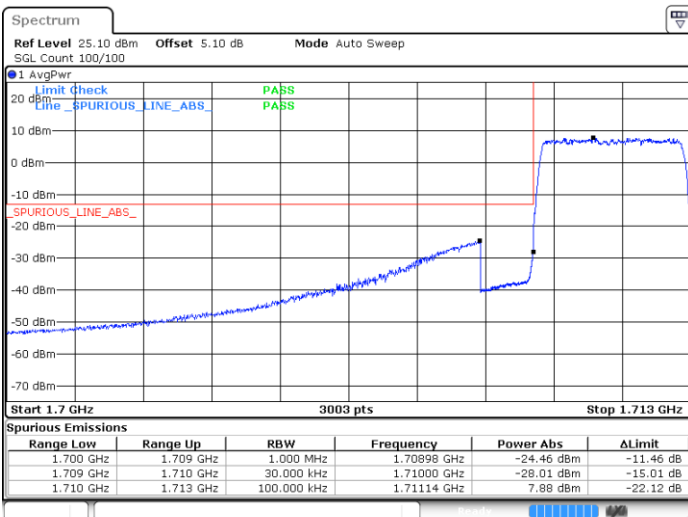
Date: 22.DEC.2021 03:18:17



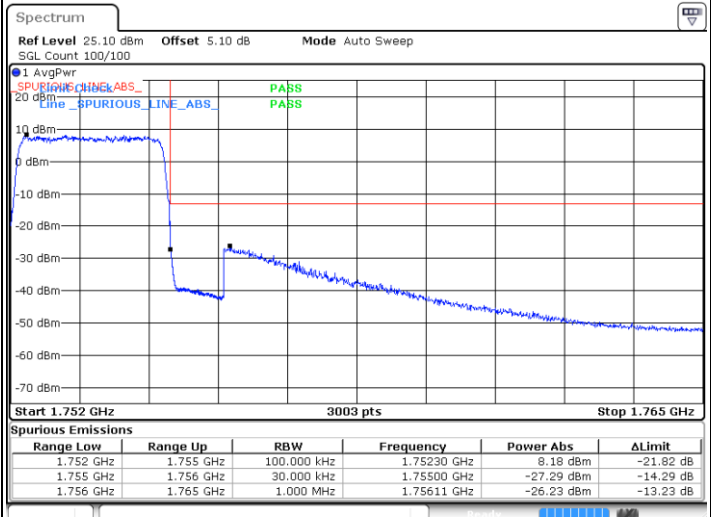
Date: 22.DEC.2021 03:27:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22.DEC.2021 03:20:16



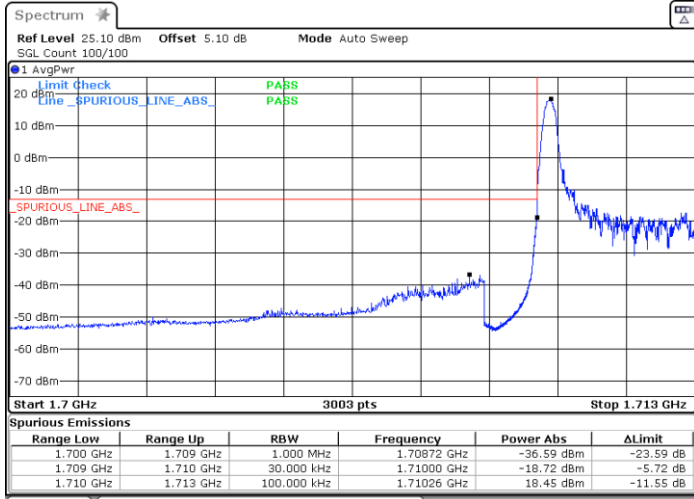
Date: 22.DEC.2021 03:29:13



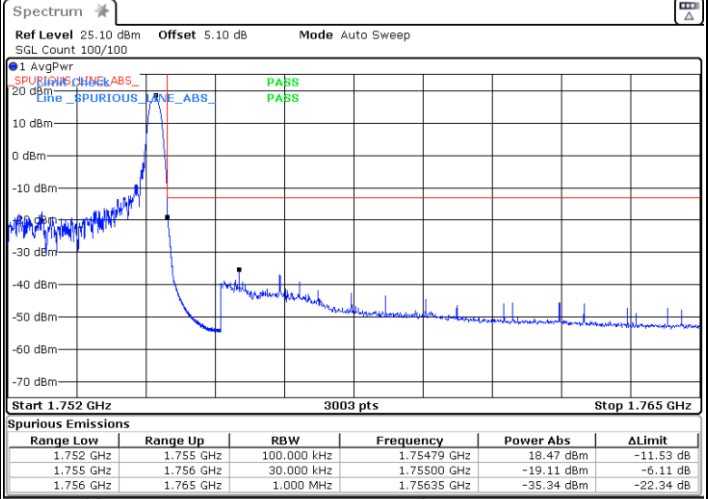
LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



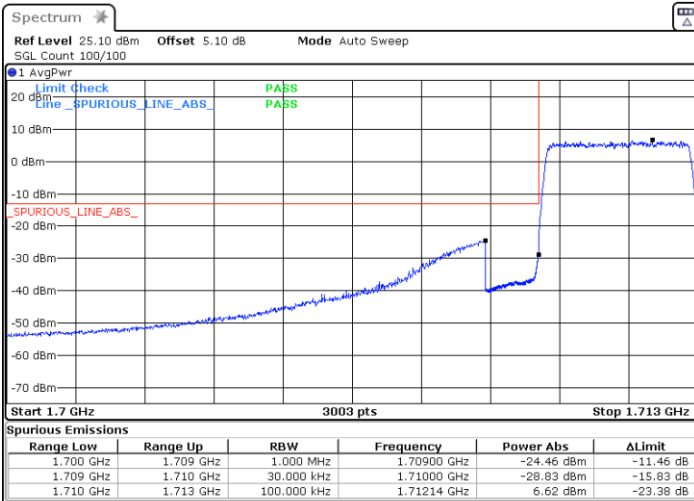
Date: 25.JAN.2022 02:36:32



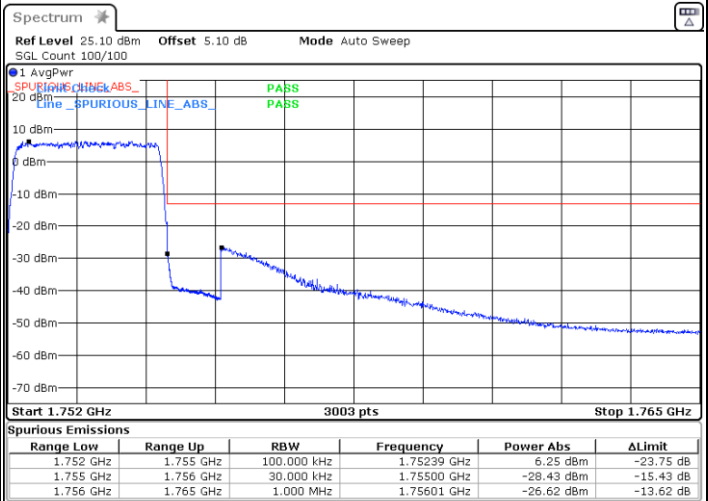
Date: 25.JAN.2022 02:32:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.JAN.2022 02:35:18

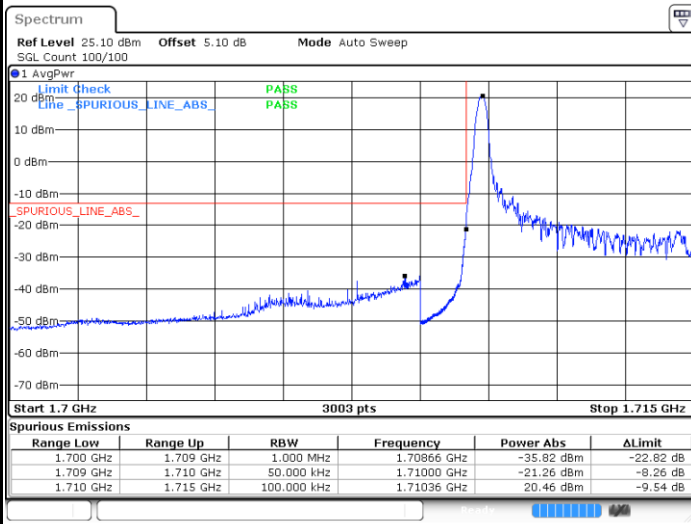


Date: 25.JAN.2022 02:31:48



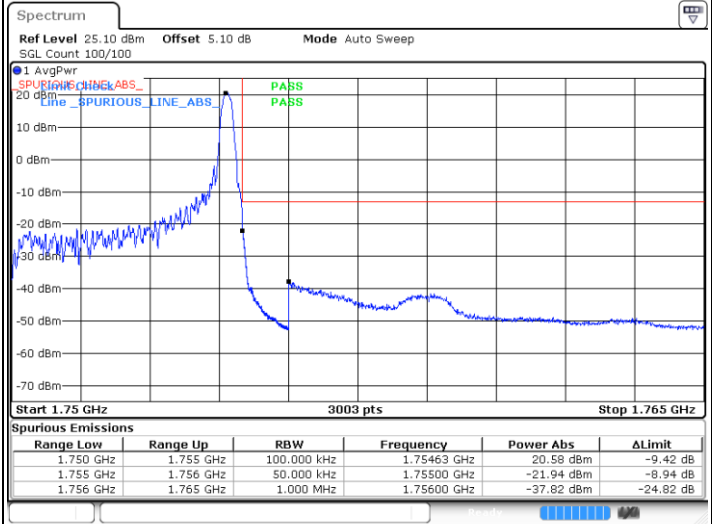
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



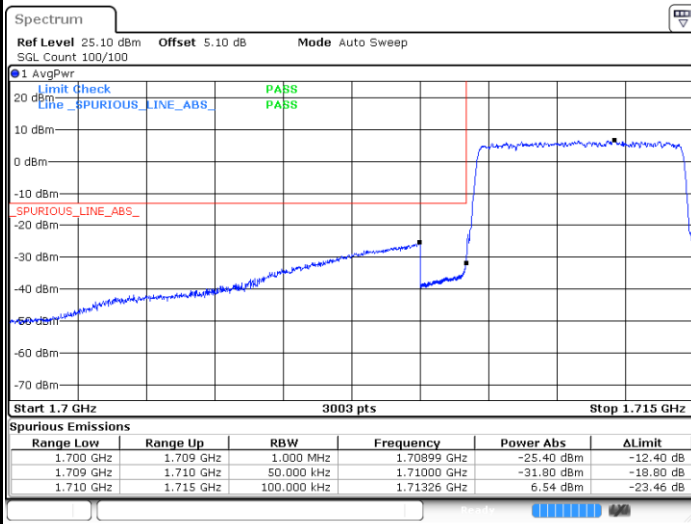
Date: 22 DEC 2021 03:33:29

Highest Band Edge / 1 RB



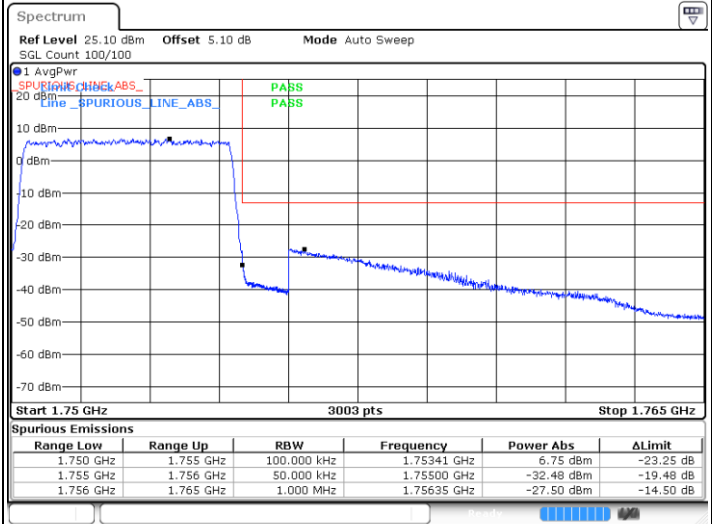
Date: 22 DEC 2021 03:41:18

Lowest Band Edge / Full RB



Date: 22 DEC 2021 03:37:43

Highest Band Edge / Full RB

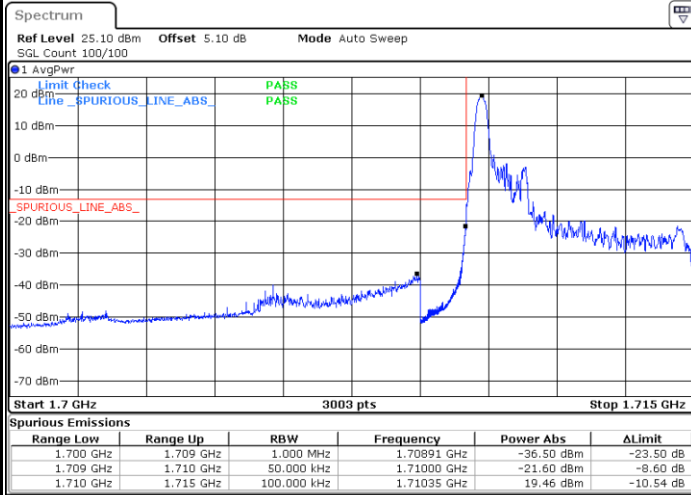


Date: 22 DEC 2021 03:45:32



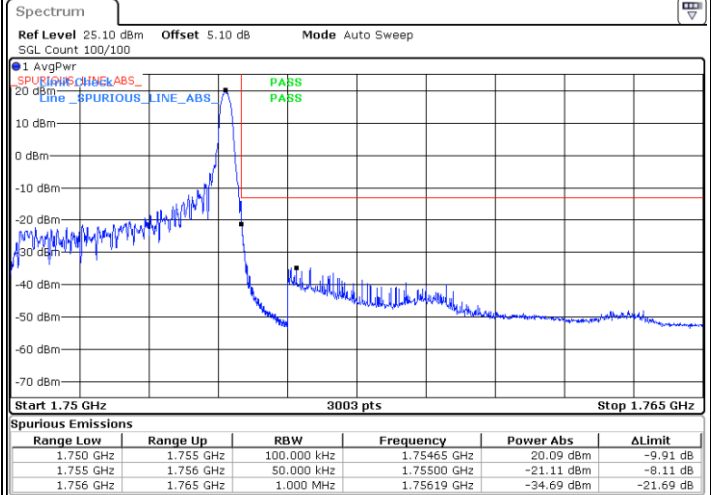
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



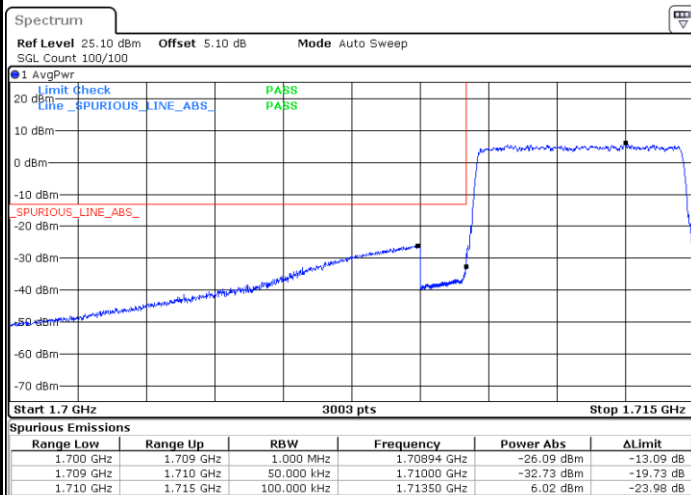
Date: 22.DEC.2021 03:34:54

Highest Band Edge / 1 RB



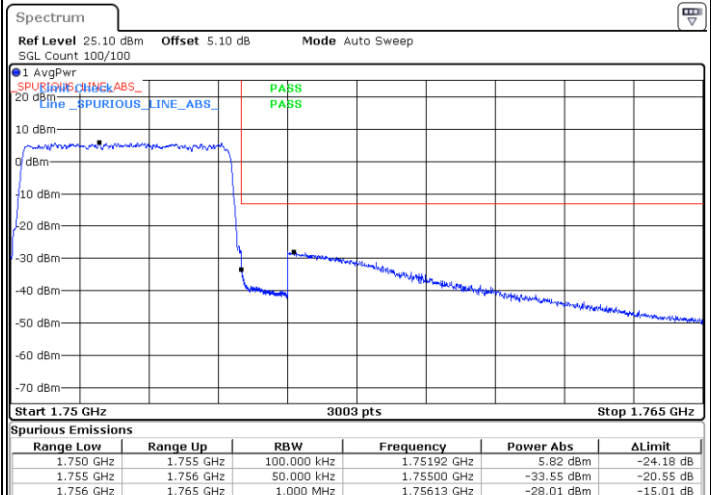
Date: 22.DEC.2021 03:42:42

Lowest Band Edge / Full RB



Date: 22.DEC.2021 03:36:18

Highest Band Edge / Full RB

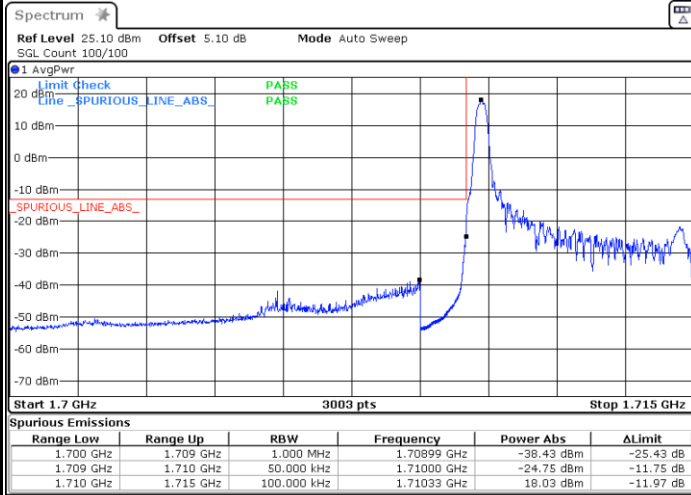


Date: 22.DEC.2021 03:44:07



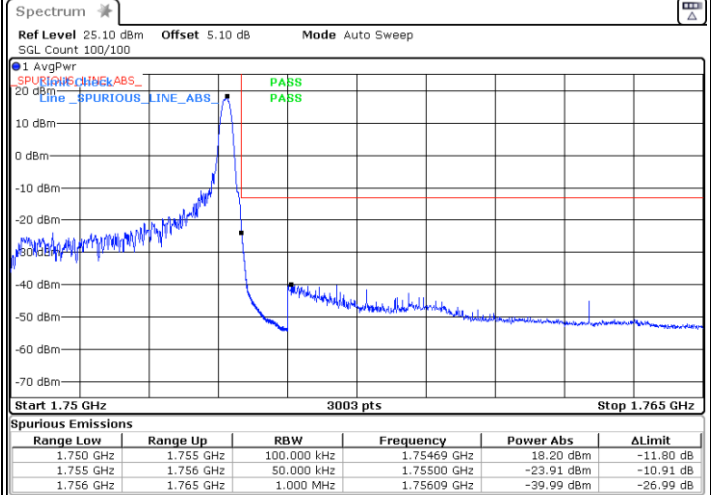
LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



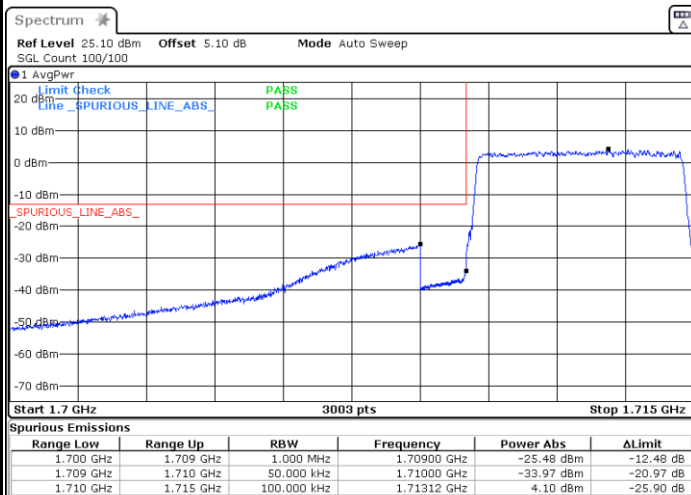
Date: 25.JAN.2022 02:38:39

Highest Band Edge / 1 RB



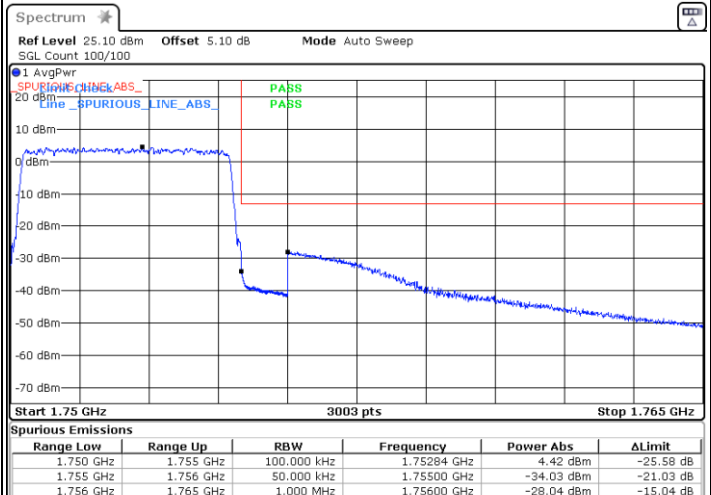
Date: 25.JAN.2022 02:39:57

Lowest Band Edge / Full RB



Date: 25.JAN.2022 02:38:06

Highest Band Edge / Full RB

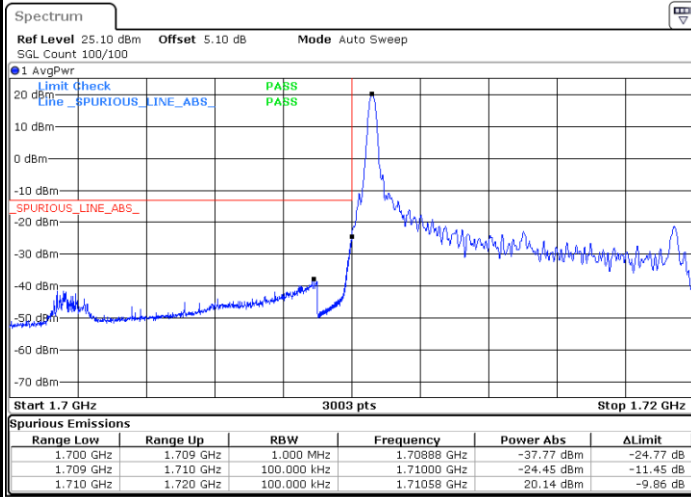


Date: 25.JAN.2022 02:40:48



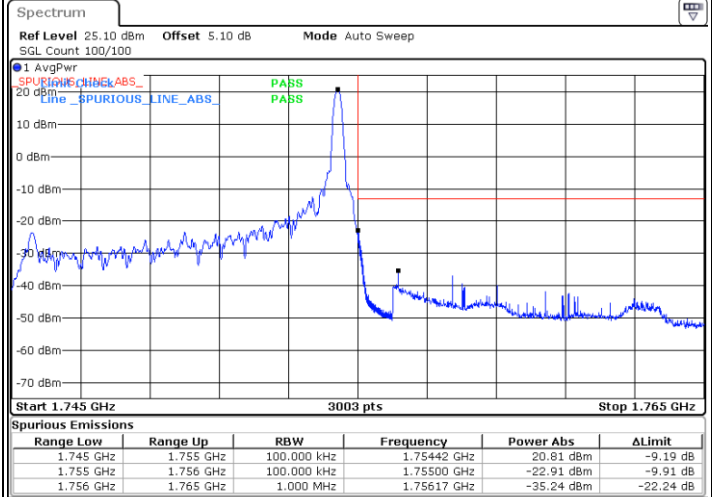
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



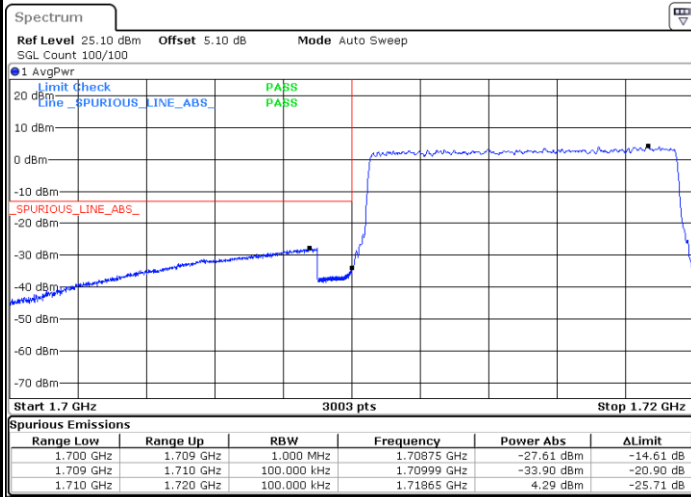
Date: 22 DEC 2021 03:47:50

Highest Band Edge / 1 RB



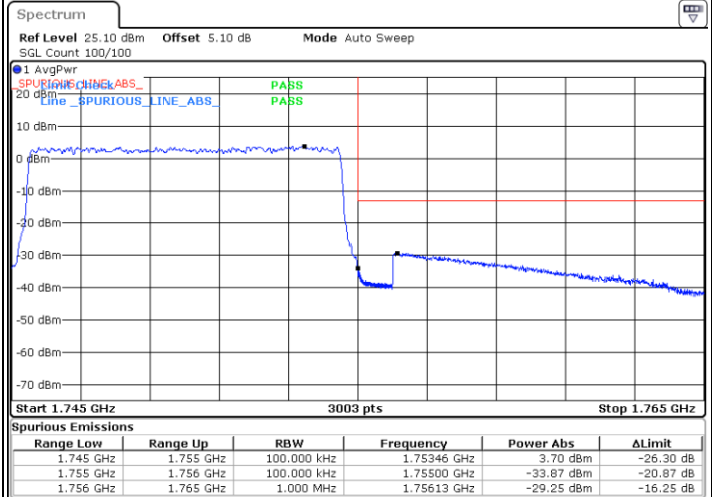
Date: 22 DEC 2021 04:02:38

Lowest Band Edge / Full RB



Date: 22 DEC 2021 03:59:29

Highest Band Edge / Full RB

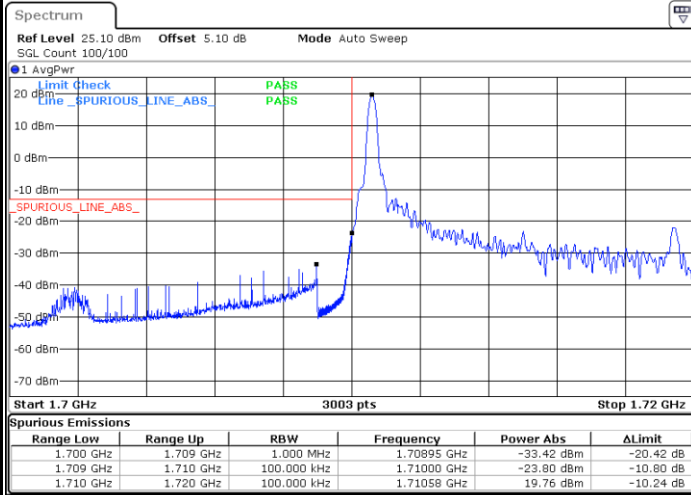


Date: 22 DEC 2021 04:05:37



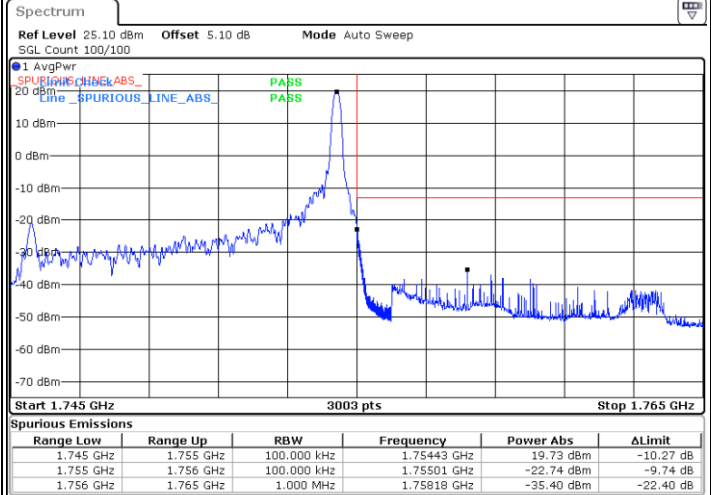
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



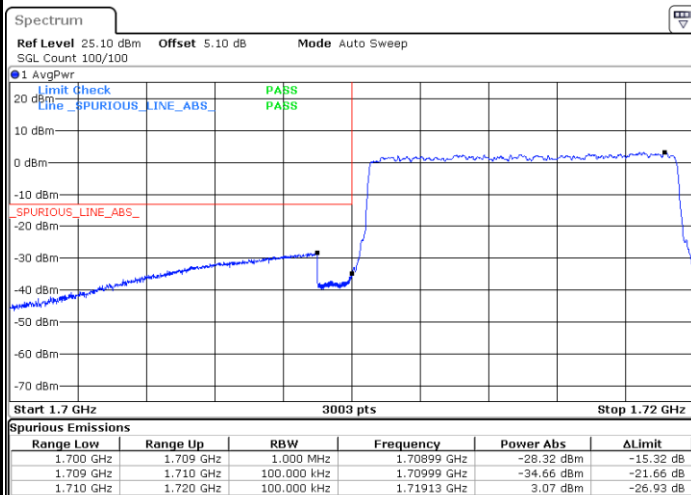
Date: 22.DEC.2021 03:49:49

Highest Band Edge / 1 RB



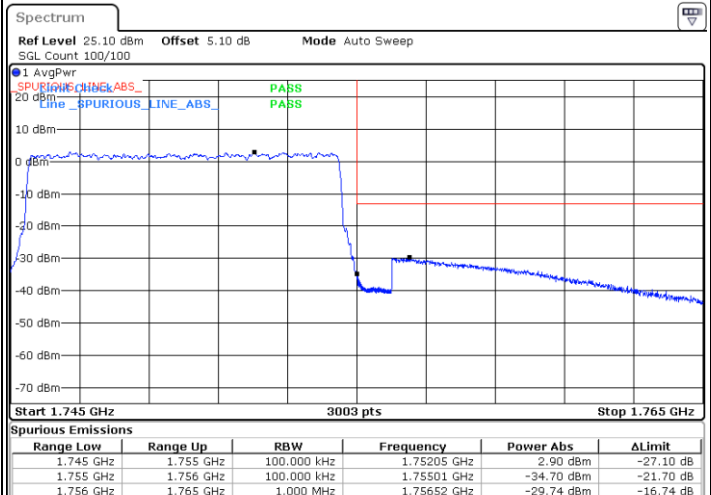
Date: 22.DEC.2021 04:03:38

Lowest Band Edge / Full RB



Date: 22.DEC.2021 03:57:55

Highest Band Edge / Full RB

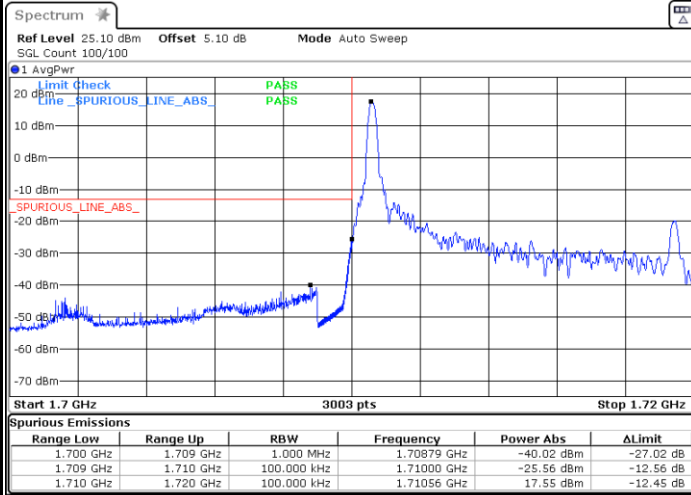


Date: 22.DEC.2021 04:04:37



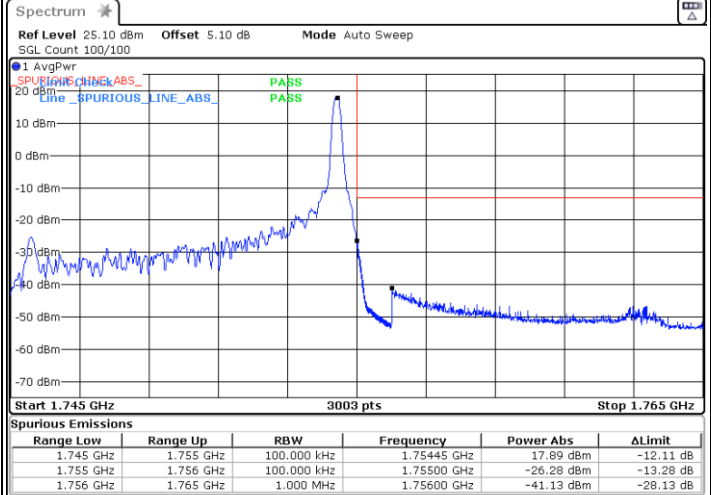
LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



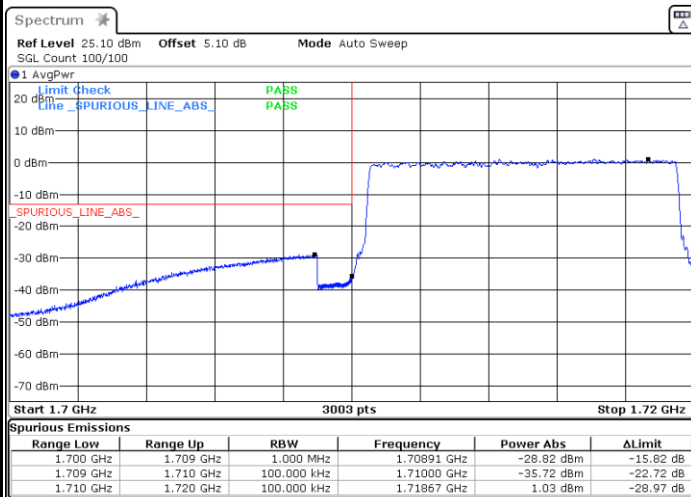
Date: 25.JAN.2022 02:42:49

Highest Band Edge / 1 RB



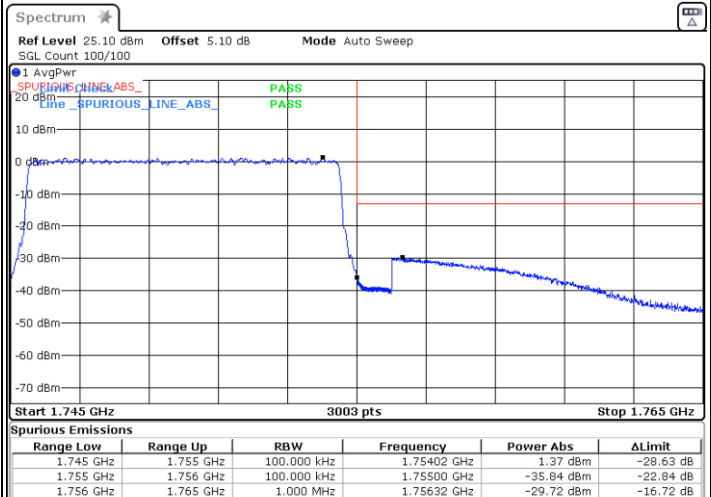
Date: 25.JAN.2022 02:43:25

Lowest Band Edge / Full RB



Date: 25.JAN.2022 02:41:57

Highest Band Edge / Full RB

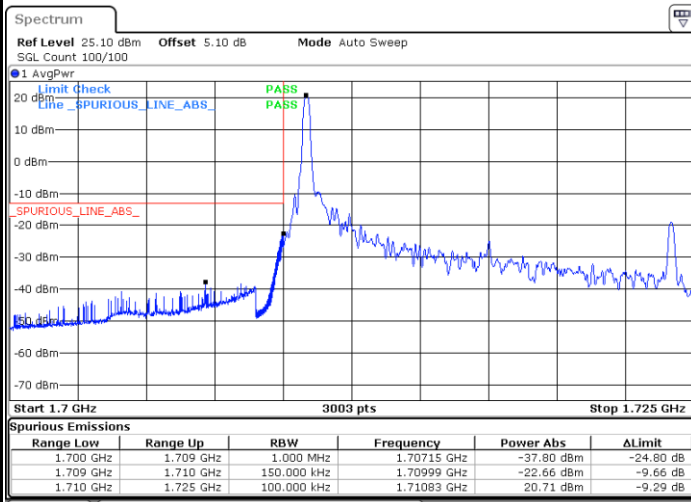


Date: 25.JAN.2022 02:43:51



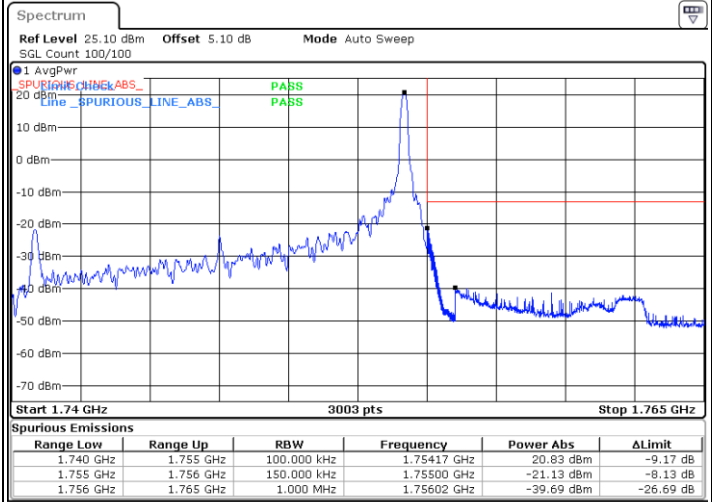
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



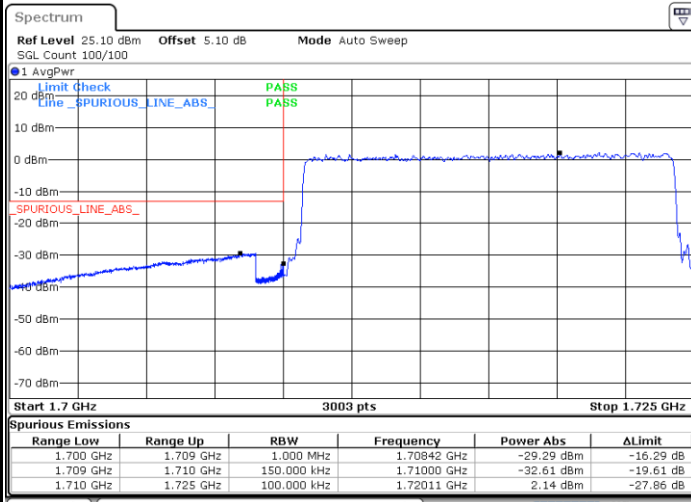
Date: 22 DEC 2021 04:07:30

Highest Band Edge / 1 RB



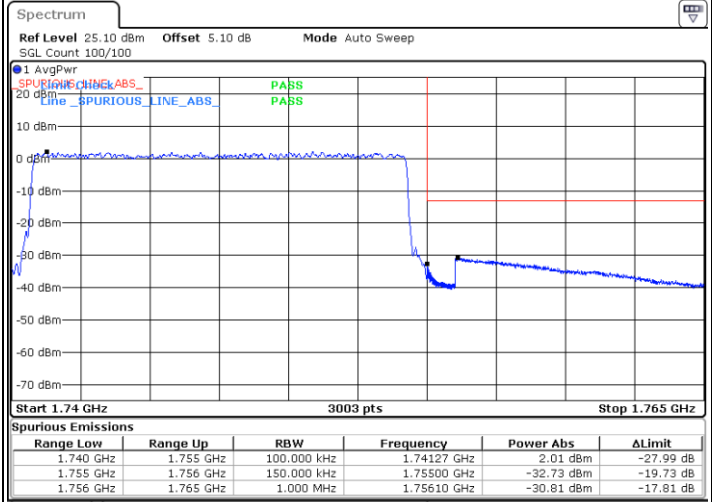
Date: 22 DEC 2021 04:14:47

Lowest Band Edge / Full RB



Date: 22 DEC 2021 04:11:37

Highest Band Edge / Full RB

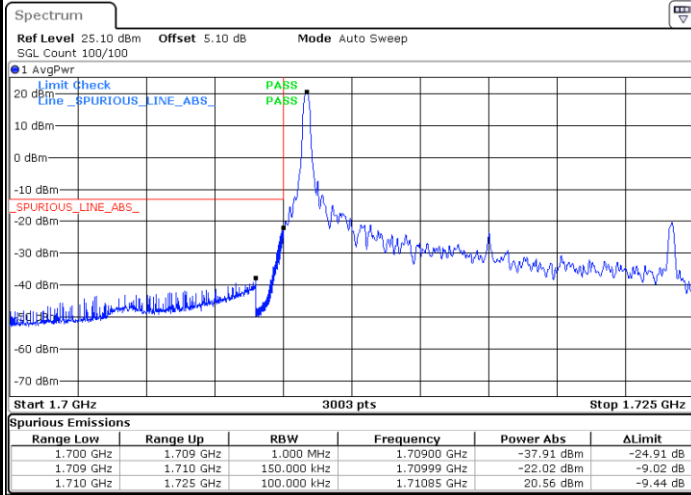


Date: 22 DEC 2021 04:18:21



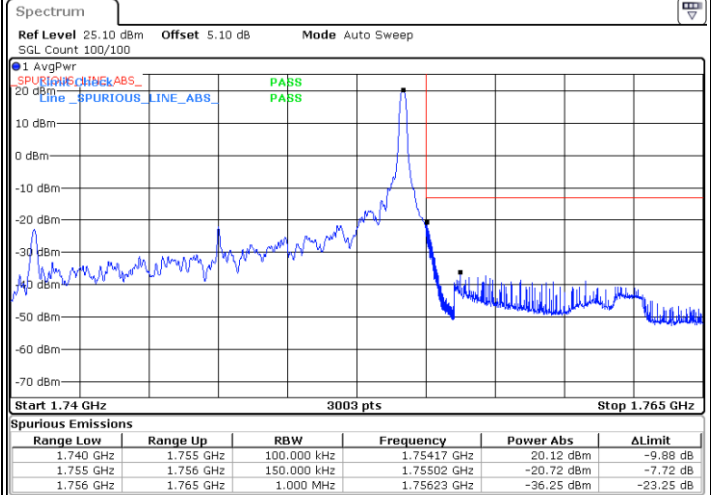
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



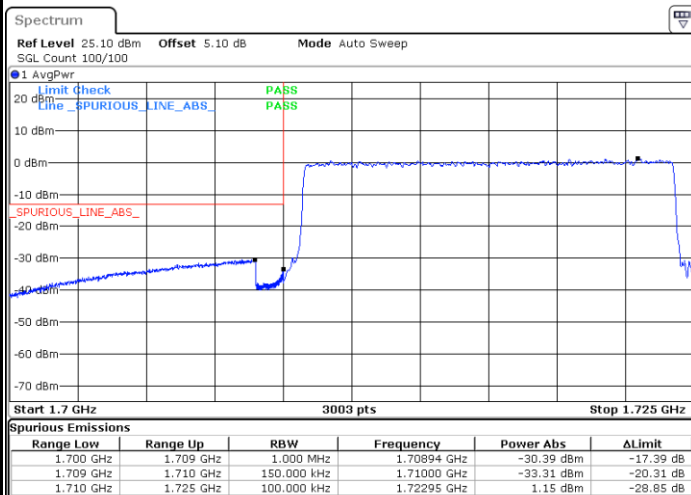
Date: 22.DEC.2021 04:09:04

Highest Band Edge / 1 RB



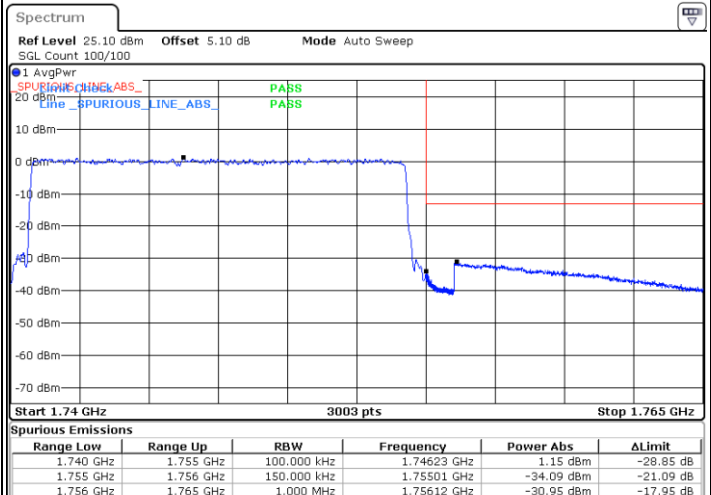
Date: 22.DEC.2021 04:16:21

Lowest Band Edge / Full RB



Date: 22.DEC.2021 04:10:03

Highest Band Edge / Full RB



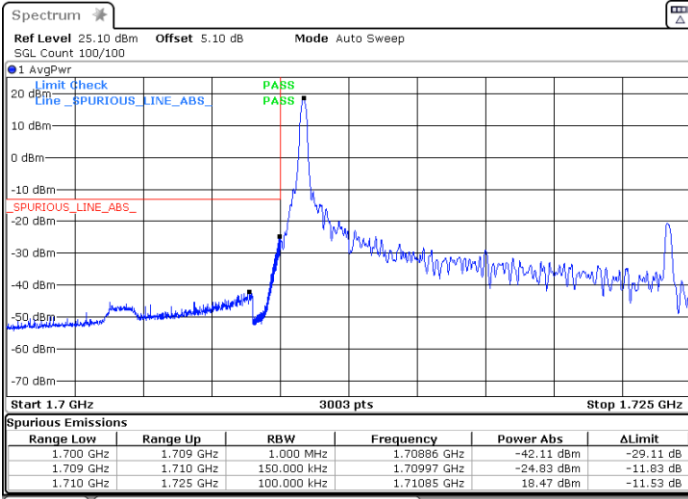
Date: 22.DEC.2021 04:17:21



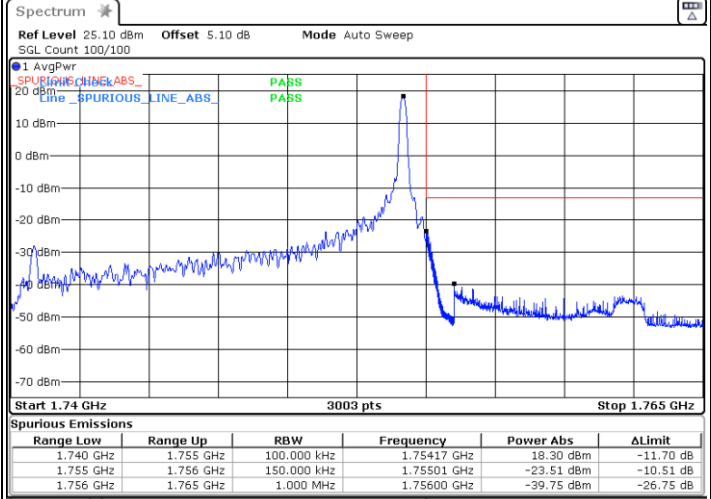
LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



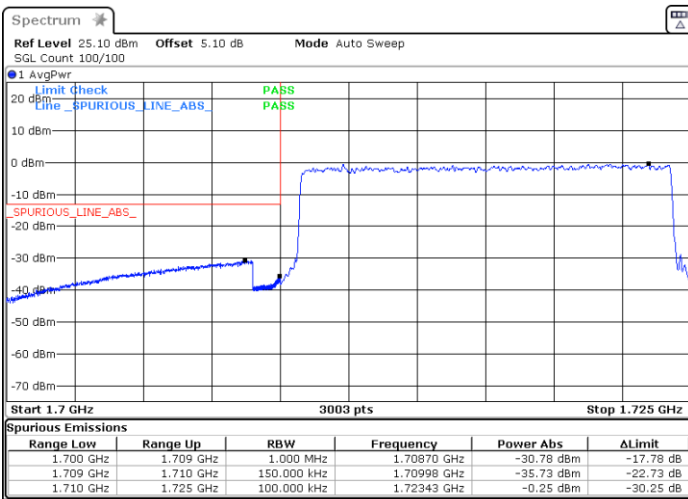
Date: 25.JAN.2022 02:45:15



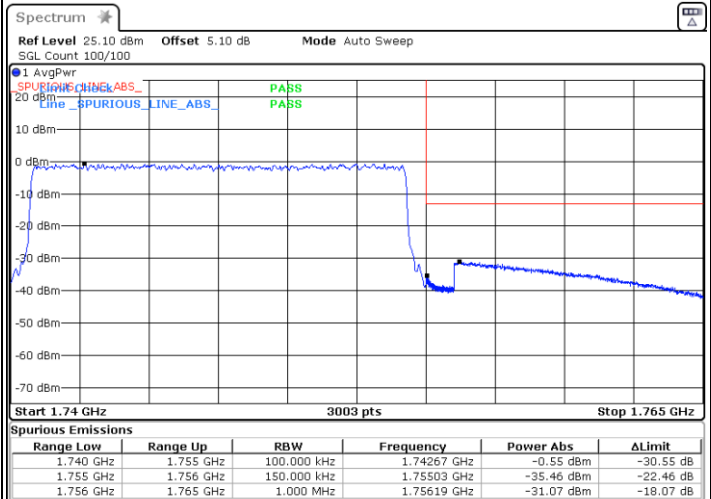
Date: 25.JAN.2022 02:45:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.JAN.2022 02:44:51



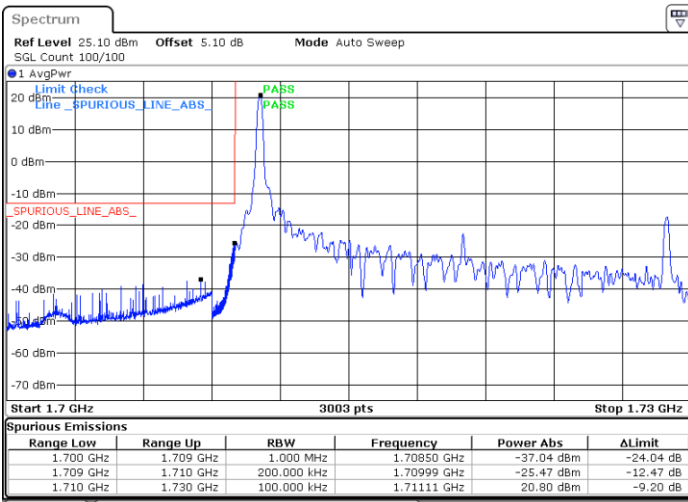
Date: 25.JAN.2022 02:46:30



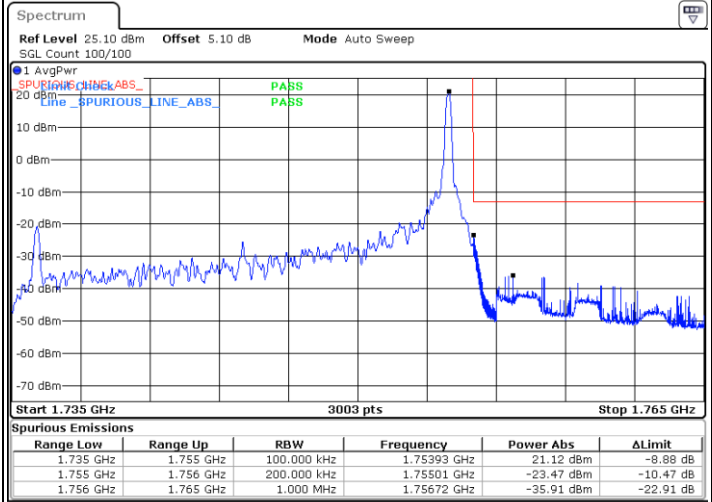
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



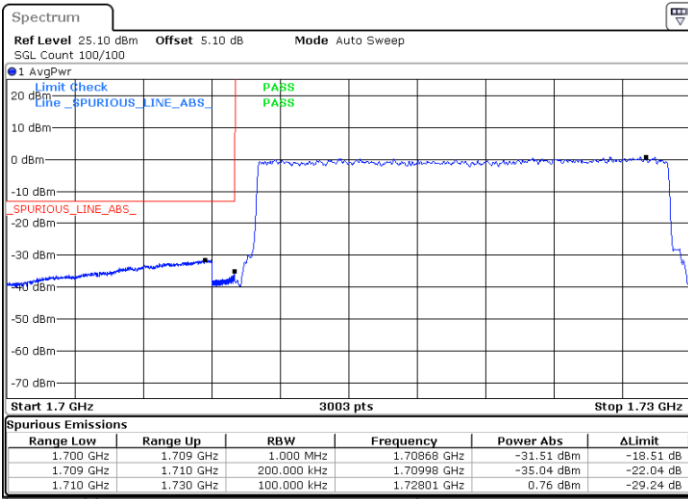
Date: 22 DEC 2021 04:22:05



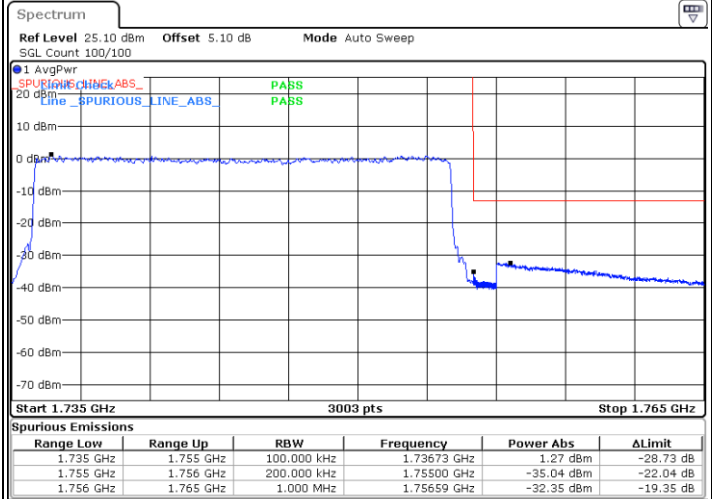
Date: 22 DEC 2021 04:28:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22 DEC 2021 04:25:04

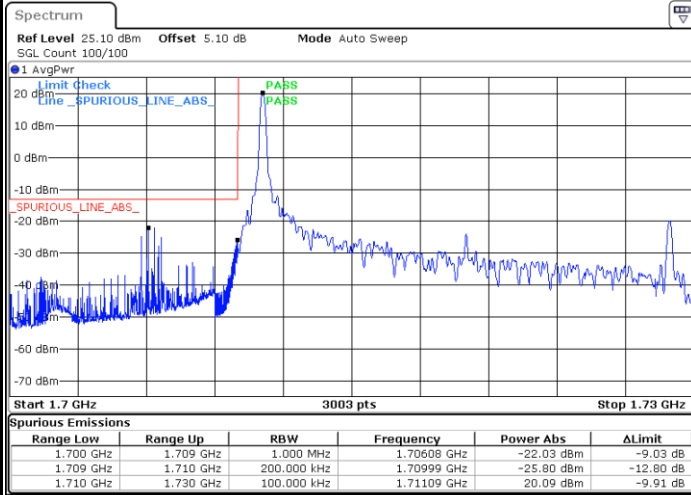


Date: 22 DEC 2021 04:31:47



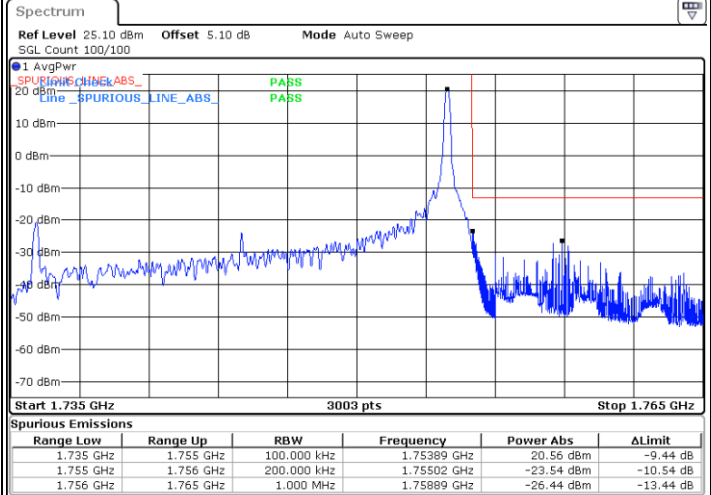
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



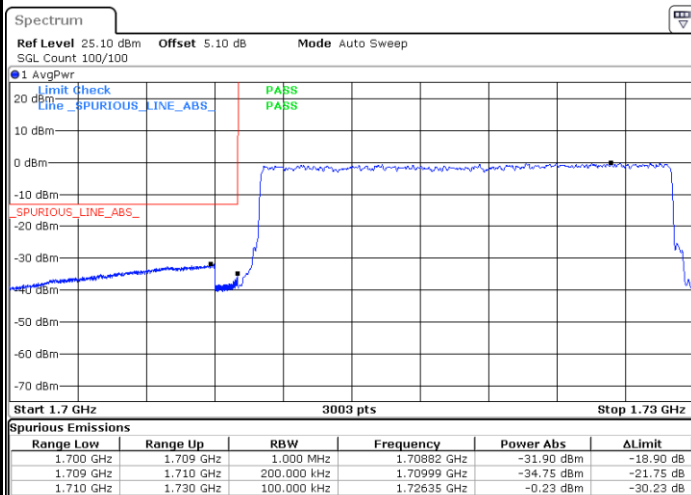
Date: 22.DEC.2021 04:23:04

Highest Band Edge / 1 RB



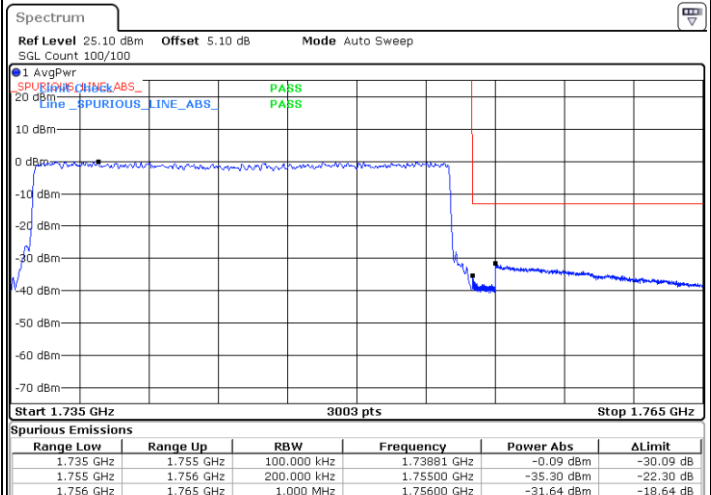
Date: 22.DEC.2021 04:29:13

Lowest Band Edge / Full RB



Date: 22.DEC.2021 04:24:04

Highest Band Edge / Full RB

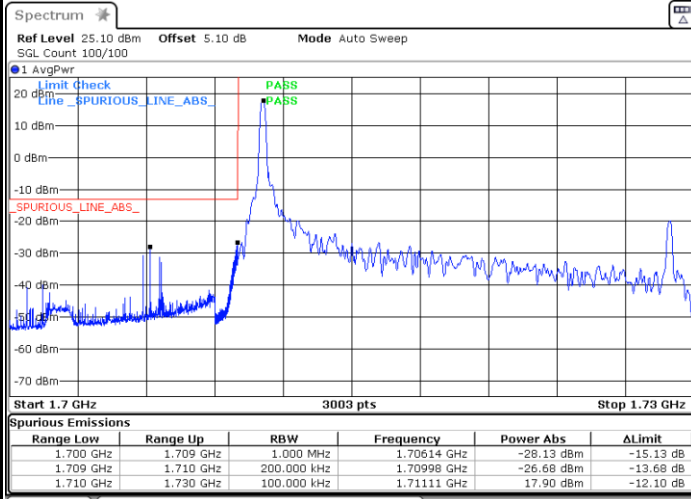


Date: 22.DEC.2021 04:30:47



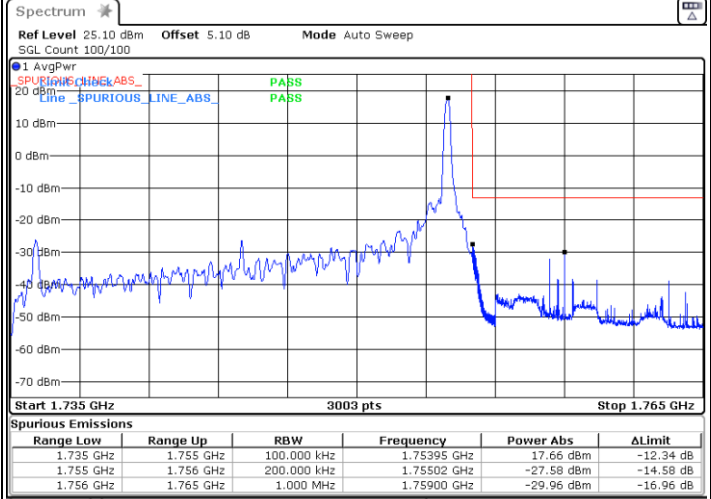
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



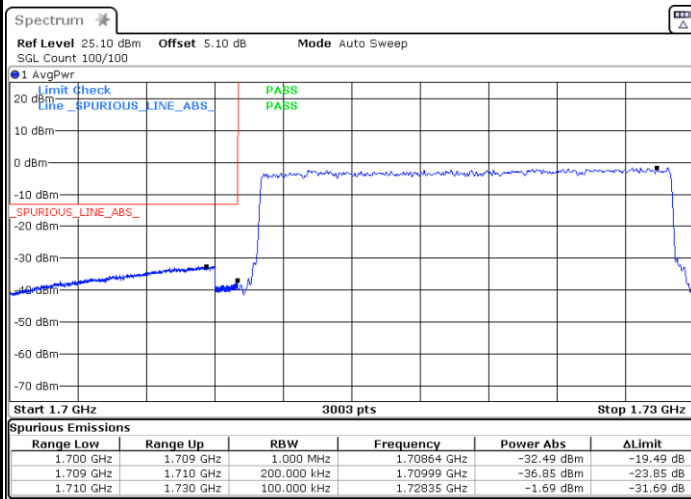
Date: 25.JAN.2022 02:48:24

Highest Band Edge / 1 RB



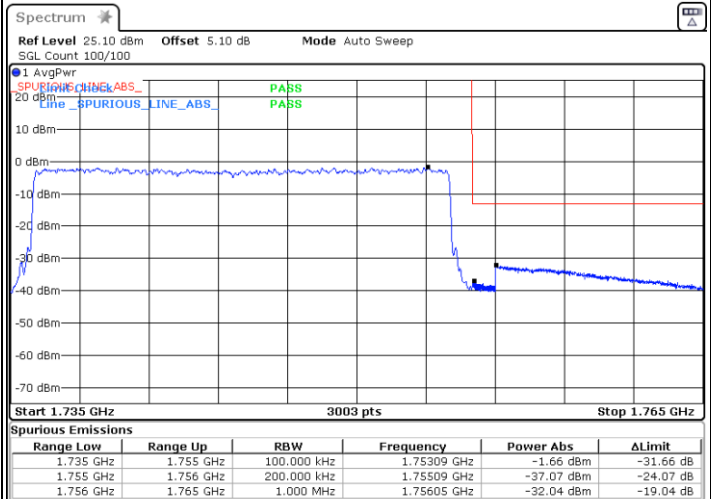
Date: 25.JAN.2022 02:49:14

Lowest Band Edge / Full RB



Date: 25.JAN.2022 02:47:38

Highest Band Edge / Full RB



Date: 25.JAN.2022 02:49:39

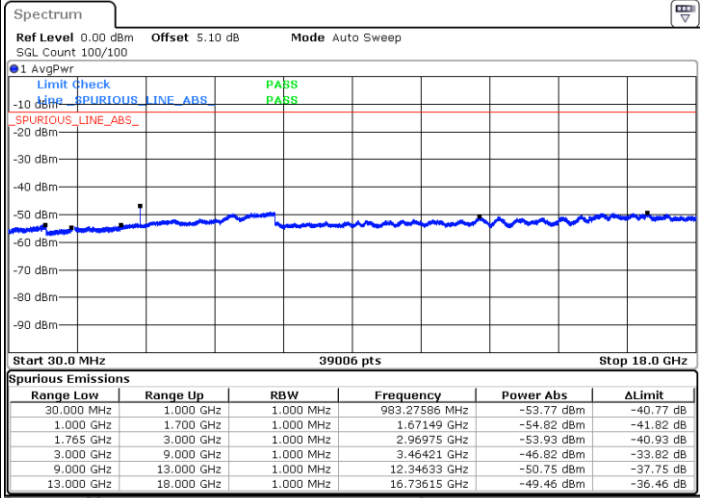
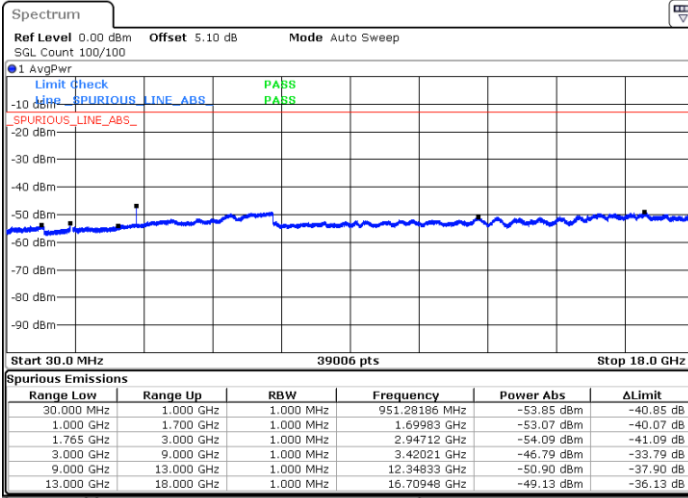


Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

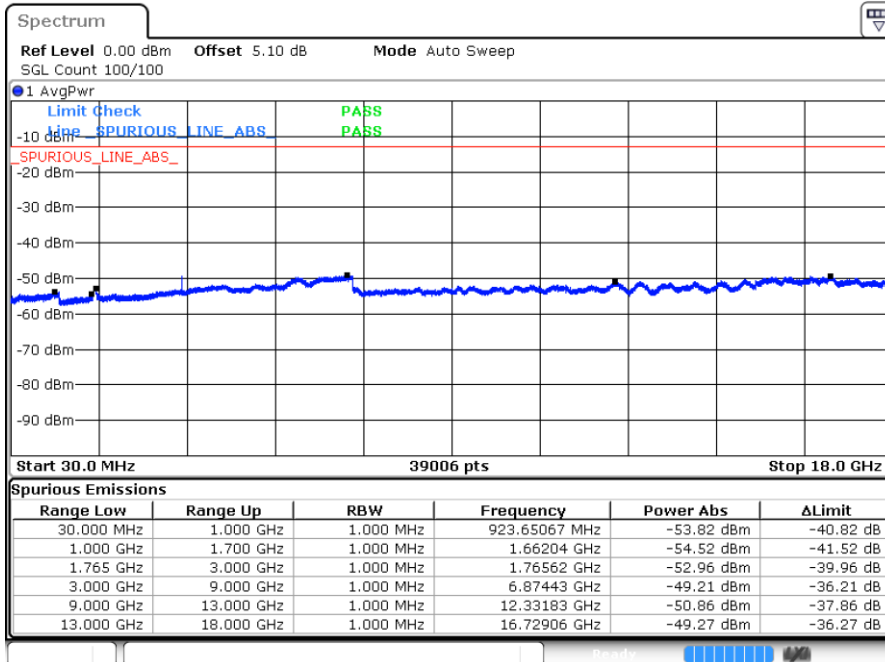
Middle Channel / QPSK



Date: 22.DEC.2021 03:56:21

Date: 22.DEC.2021 03:06:39

Highest Channel / QPSK



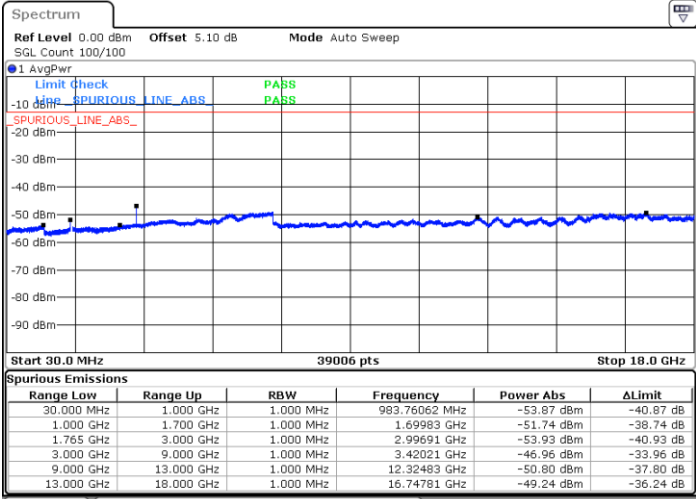
Date: 22.DEC.2021 03:07:44



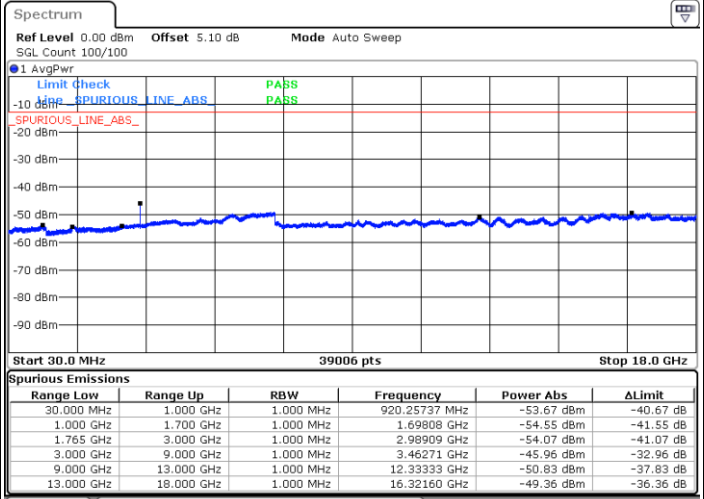
LTE Band 4 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

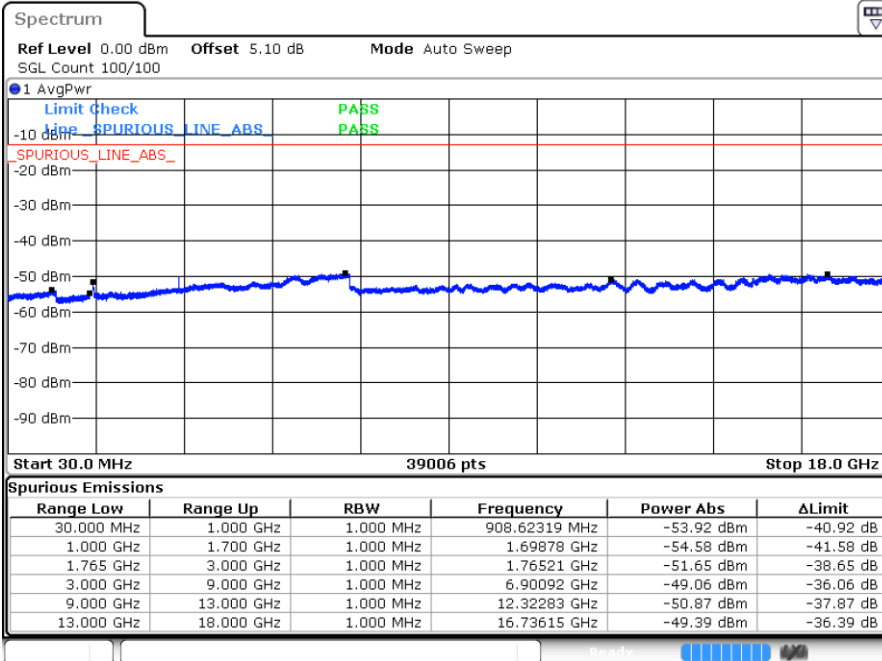


Date: 22.DEC.2021 03:15:40



Date: 22.DEC.2021 03:23:20

Highest Channel / QPSK



Date: 22.DEC.2021 03:24:25