



LTE Band 66C / 20MHz+20MHz

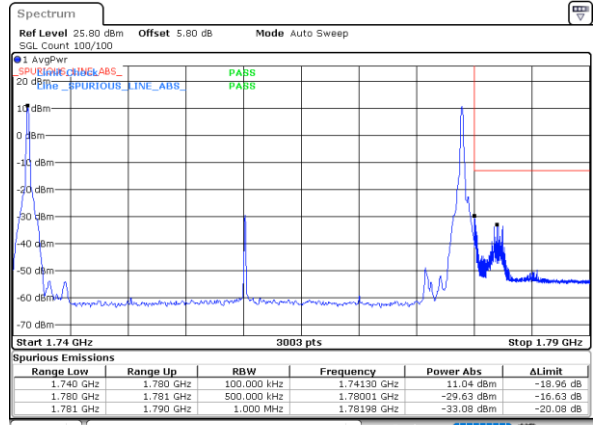
QPSK

Lowest Band Edge / 1RB0 and 1RB9



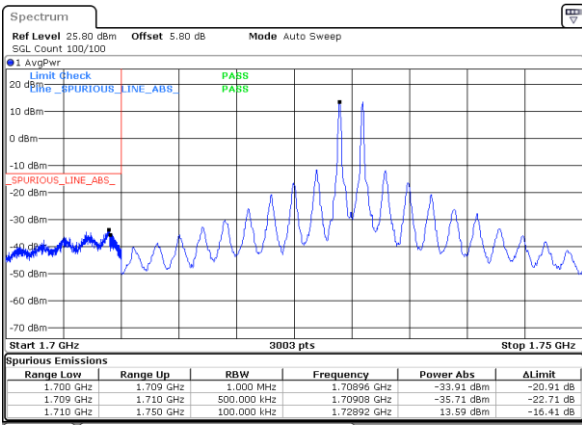
Date: 31. DEC. 2022 08:48:13

Highest Band Edge / 1RB0 and 1RB9



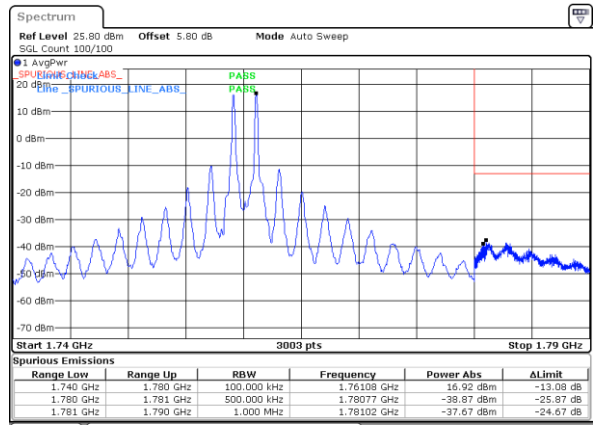
Date: 31. DEC. 2022 08:59:19

Lowest Band Edge / 1RB99 and 1RB0



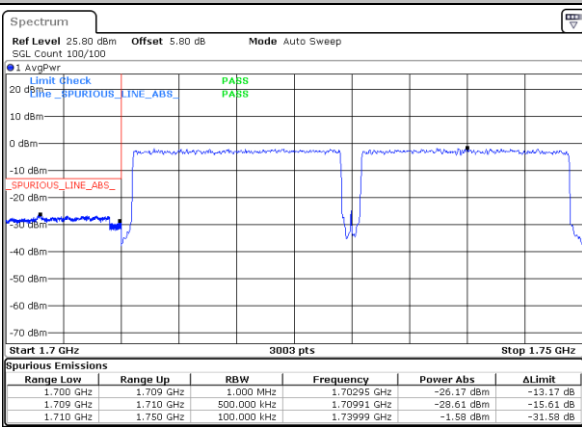
Date: 31. DEC. 2022 08:48:50

Highest Band Edge / 1RB99 and 1RB0



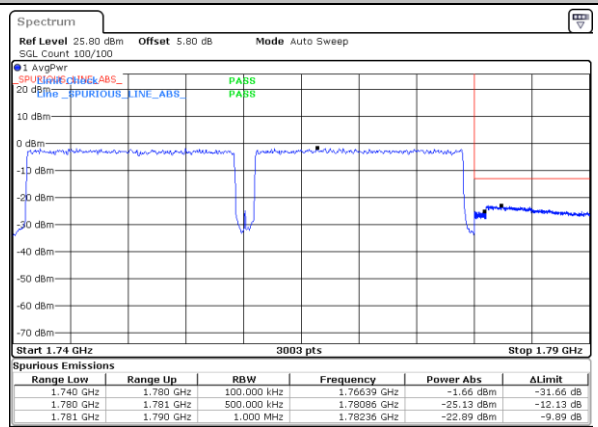
Date: 31. DEC. 2022 09:24:43

Lowest Band Edge / Full RB



Date: 31. DEC. 2022 08:43:55

Highest Band Edge / Full RB



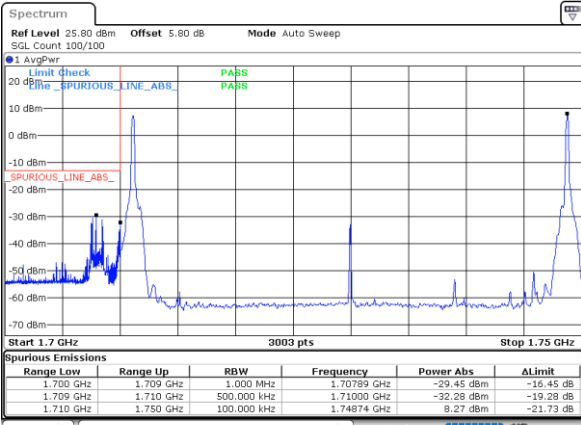
Date: 31. DEC. 2022 08:58:42



LTE Band 66C / 20MHz+20MHz

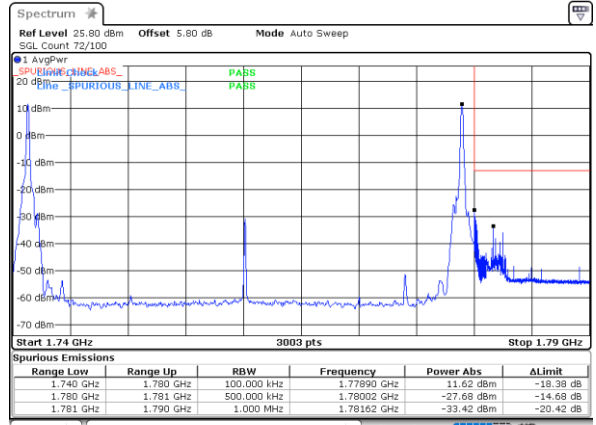
16QAM

Lowest Band Edge / 1RB0 and 1RB9



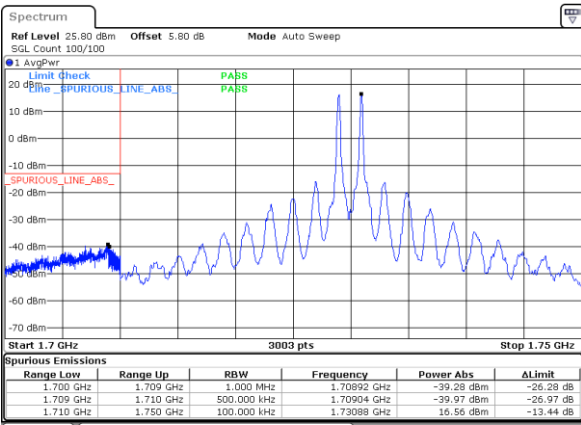
Date: 31. DEC. 2022 08:47:36

Highest Band Edge / 1RB0 and 1RB9



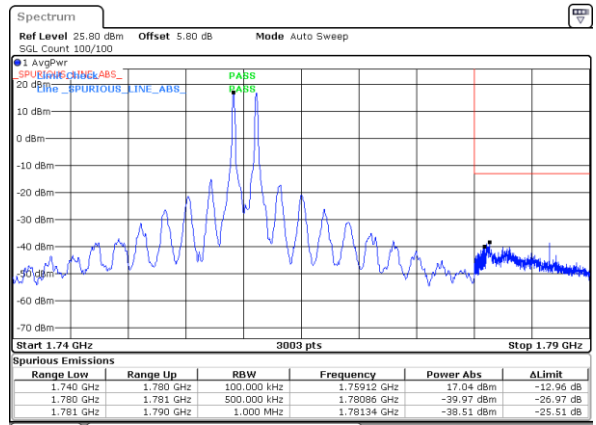
Date: 31. DEC. 2022 09:06:01

Lowest Band Edge / 1RB99 and 1RB0



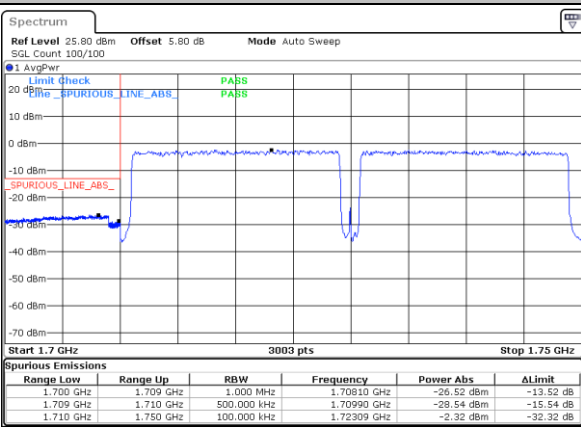
Date: 31. DEC. 2022 08:49:27

Highest Band Edge / 1RB99 and 1RB0



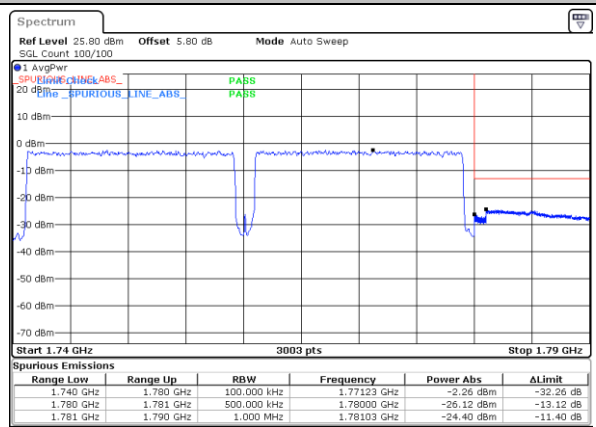
Date: 31. DEC. 2022 09:24:06

Lowest Band Edge / Full RB



Date: 31. DEC. 2022 08:44:32

Highest Band Edge / Full RB



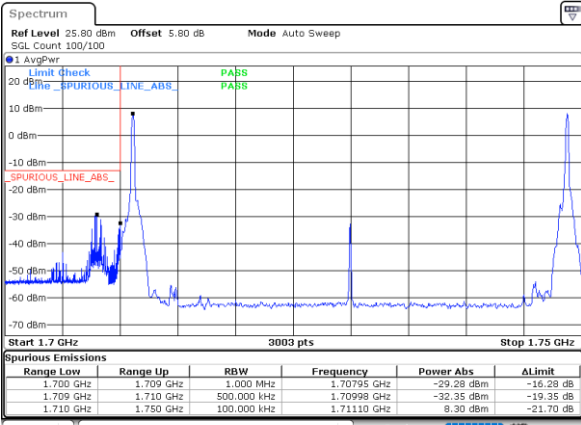
Date: 31. DEC. 2022 08:58:04



LTE Band 66C / 20MHz+20MHz

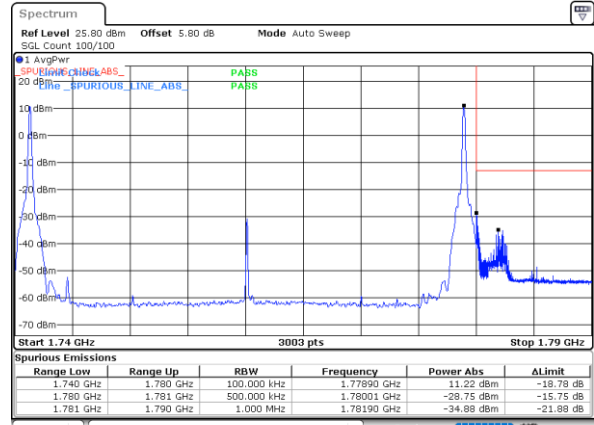
64QAM

Lowest Band Edge / 1RB0 and 1RB9



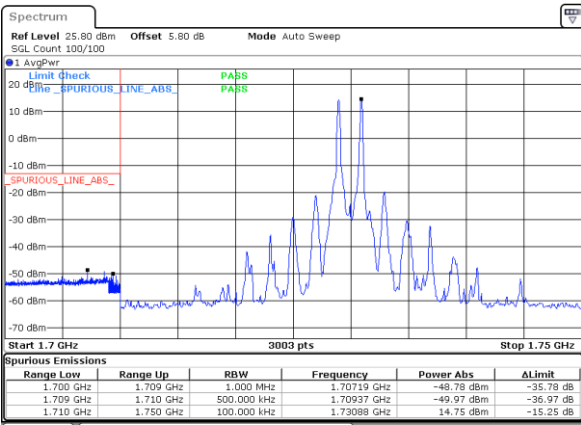
Date: 31. DEC. 2022 08:47:00

Highest Band Edge / 1RB0 and 1RB9



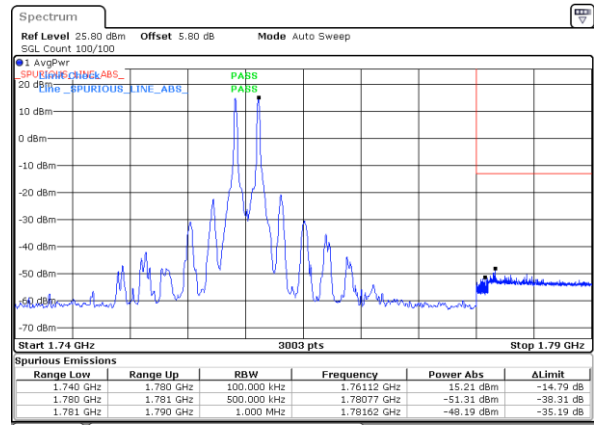
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Lowest Band Edge / 1RB99 and 1RB0



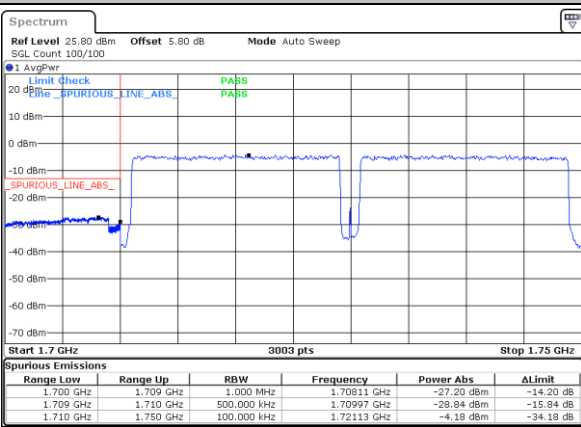
Date: 31. DEC. 2022 08:50:04

Highest Band Edge / 1RB99 and 1RB0



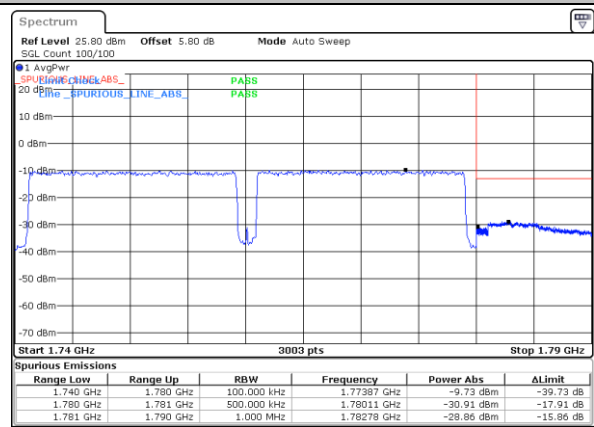
Date: 31. DEC. 2022 09:23:29

Lowest Band Edge / Full RB



Date: 31. DEC. 2022 08:45:08

Highest Band Edge / Full RB



Date: 31. DEC. 2022 08:15:27

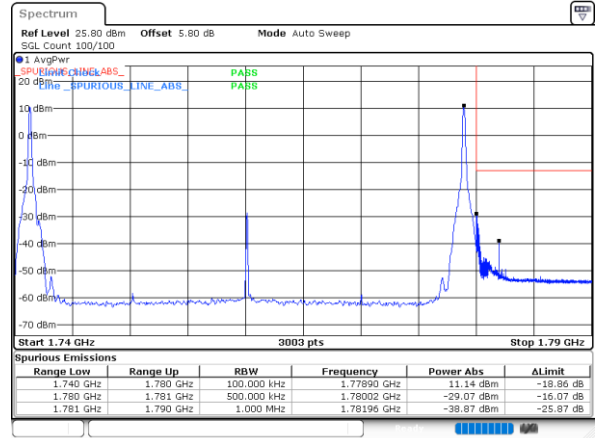
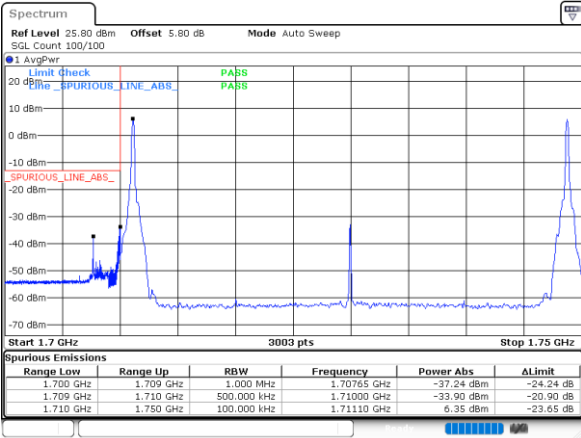


LTE Band 66C / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

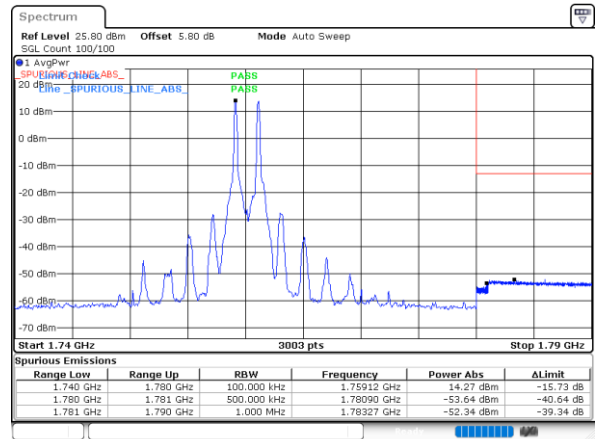
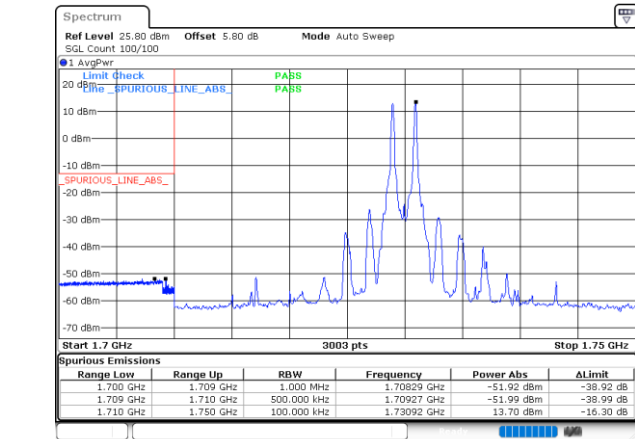


Date: 31.DEC.2022 08:46:23

Date: 31.DEC.2022 09:22:15

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

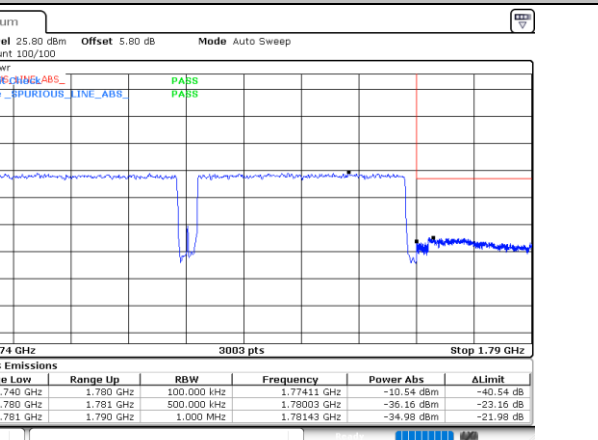
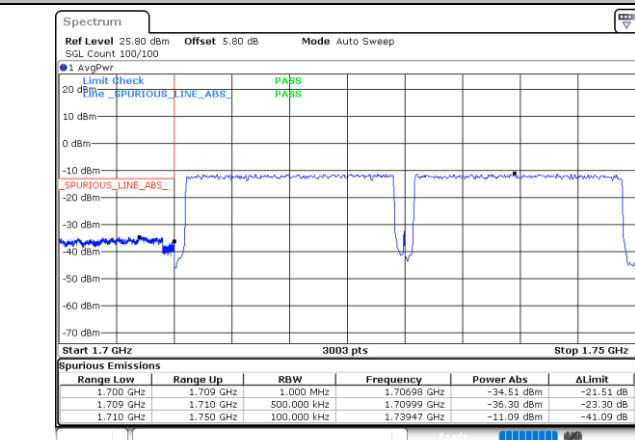


Date: 31.DEC.2022 08:50:41

Date: 31.DEC.2022 09:22:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

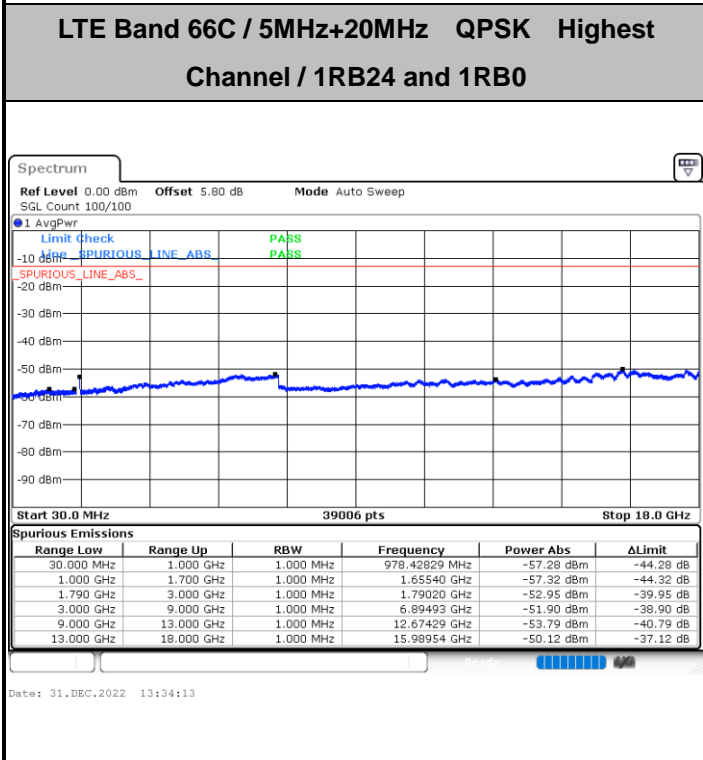
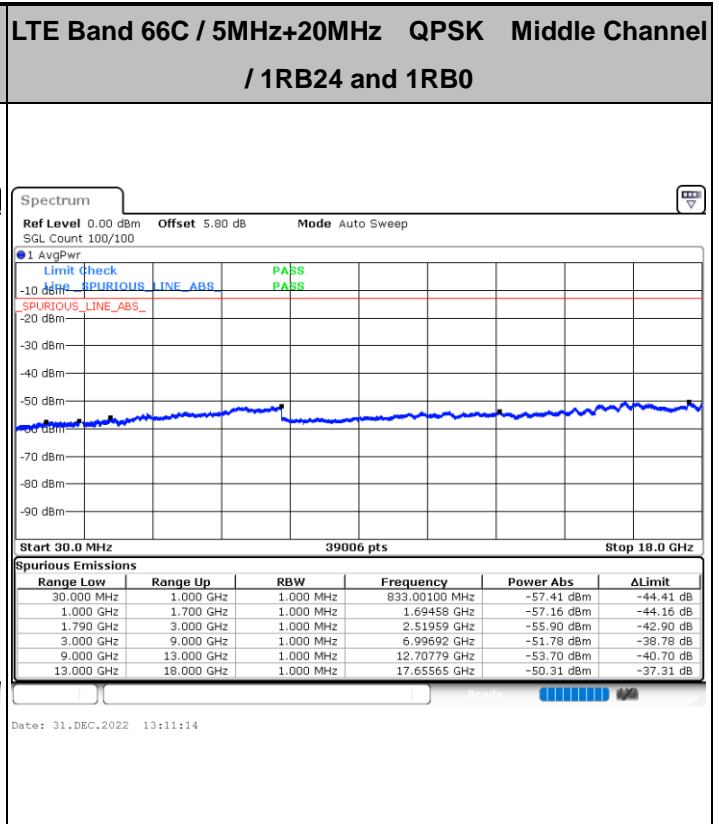
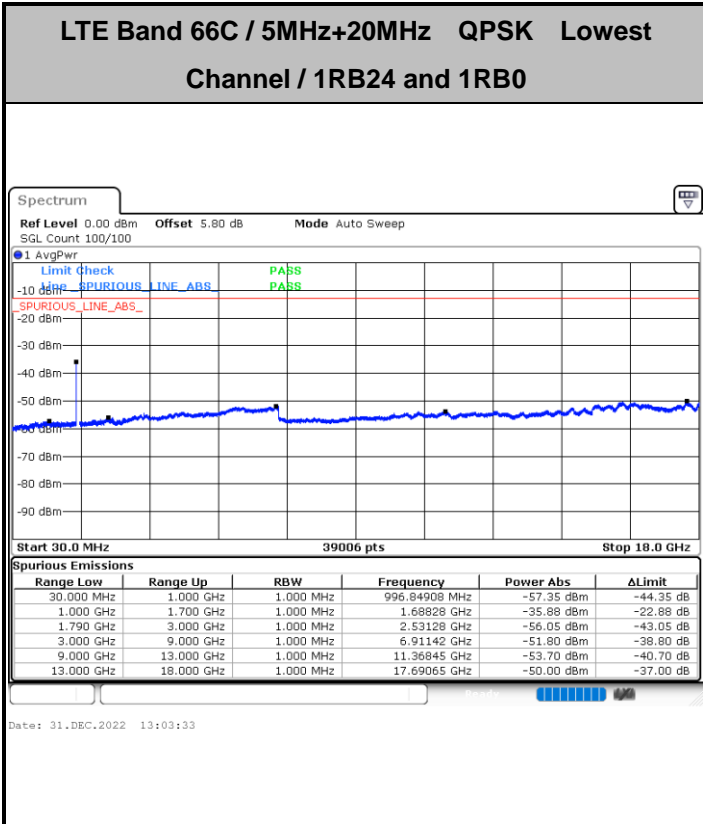


Date: 31.DEC.2022 08:45:45

Date: 31.DEC.2022 08:56:51



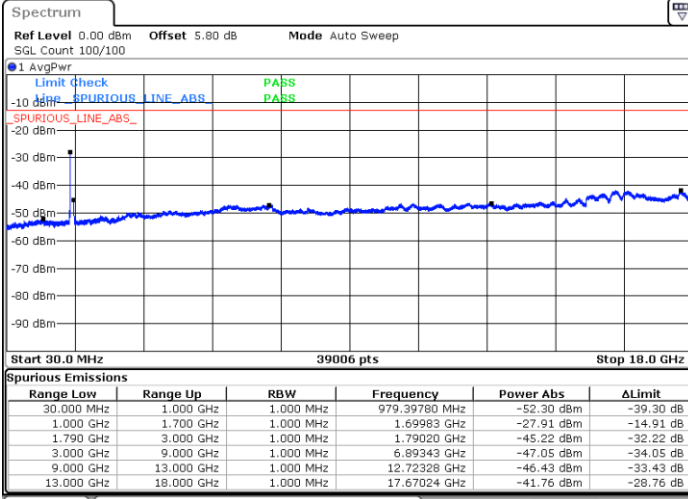
Conducted Spurious Emission



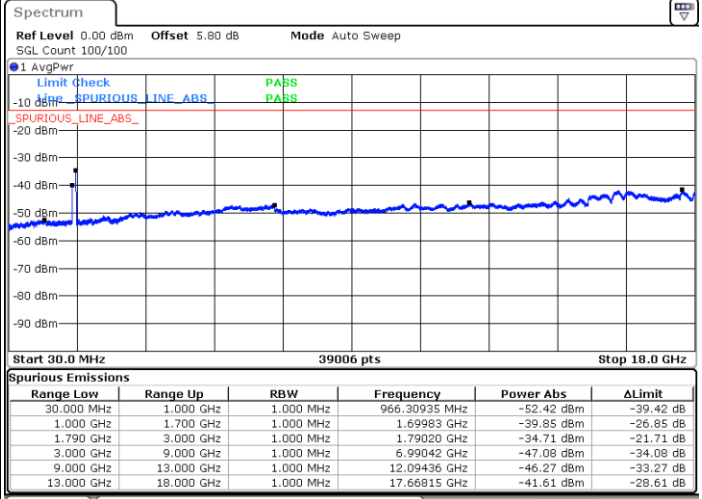


LTE Band 66C / 10MHz+15MHz QPSK Lowest Channel / 1RB24 and 1RB0

LTE Band 66C / 10MHz+15MHz QPSK Middle Channel / 1RB24 and 1RB0

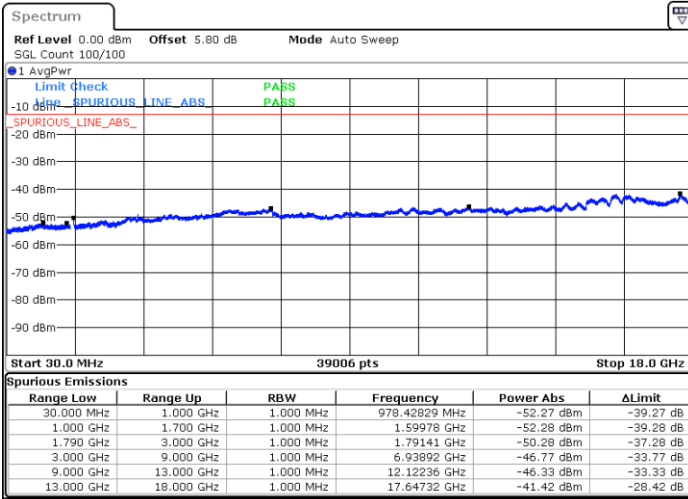


Date: 31.DEC.2022 08:39:56



Date: 31.DEC.2022 08:41:48

LTE Band 66C / 10MHz+15MHz QPSK Highest Channel / 1RB24 and 1RB0

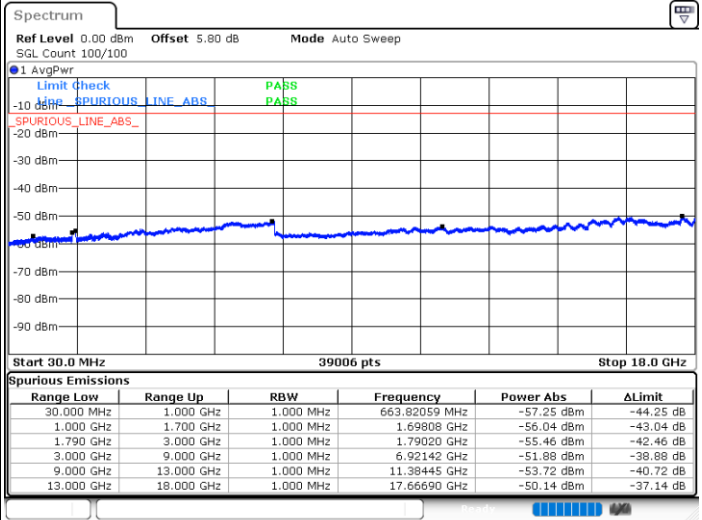
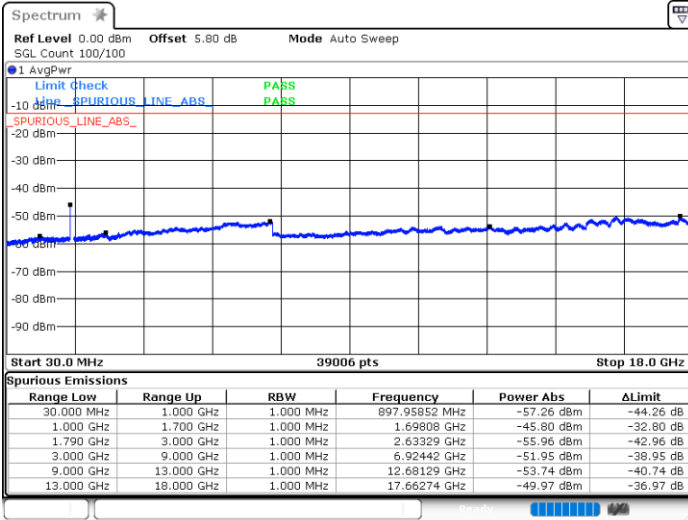


Date: 31.DEC.2022 09:53:27



LTE Band 66C / 10MHz+20MHz QPSK Lowest Channel / 1RB49 and 1RB0

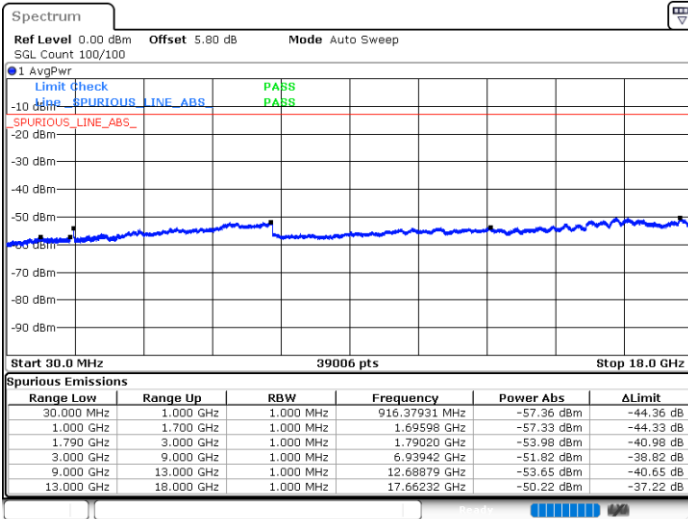
LTE Band 66C / 10MHz+20MHz QPSK Middle Channel / 1RB49 and 1RB0



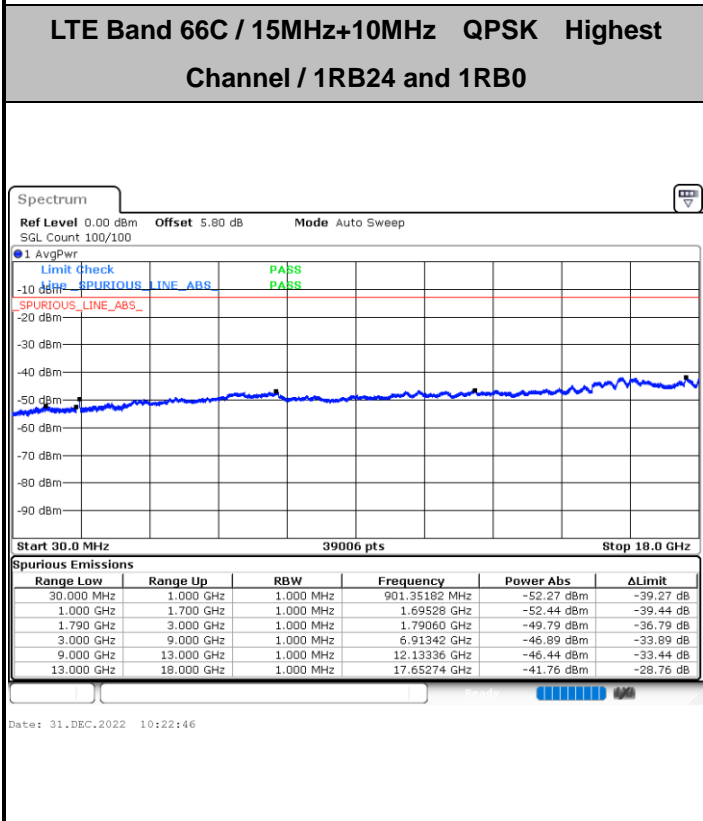
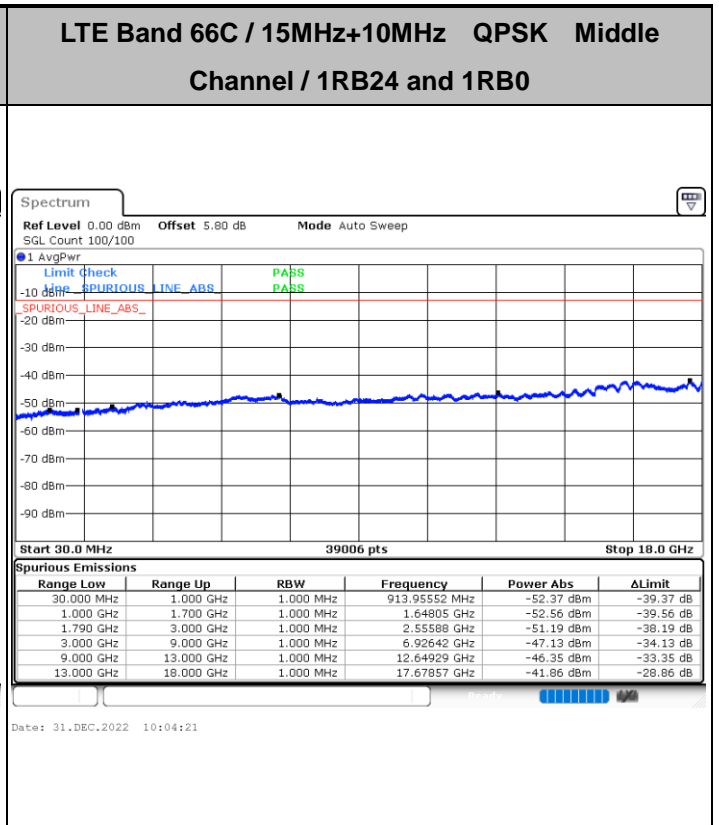
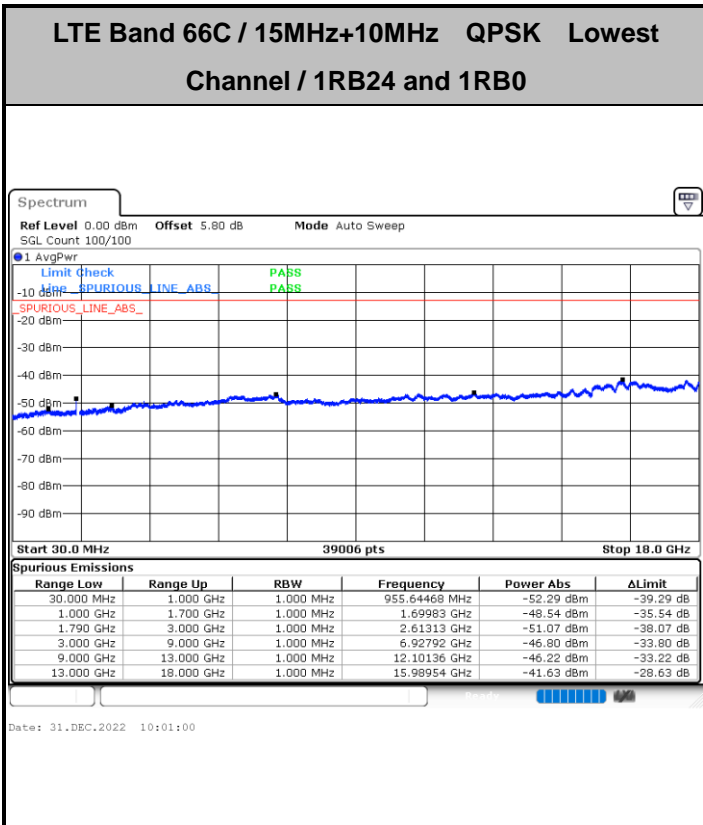
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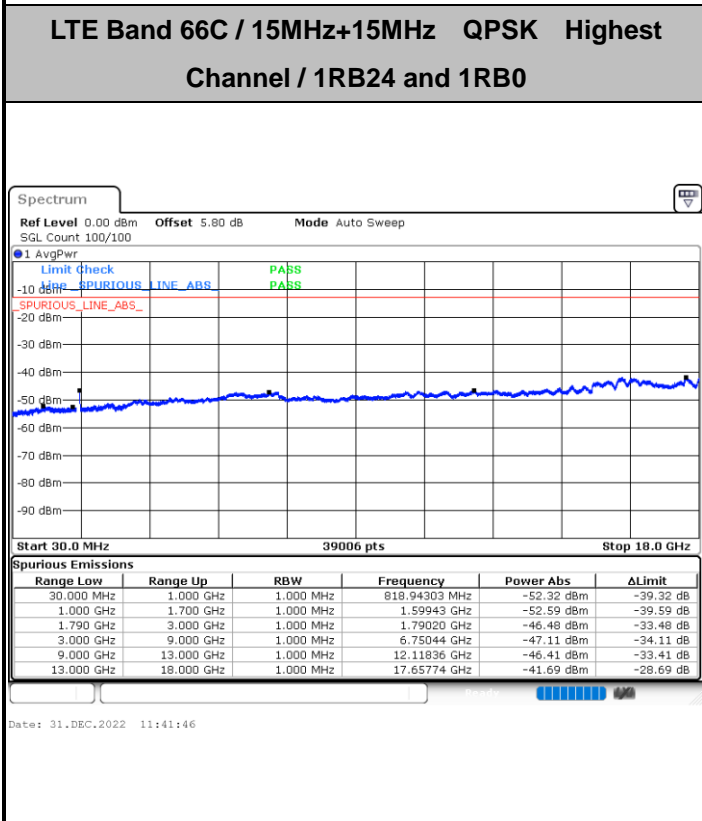
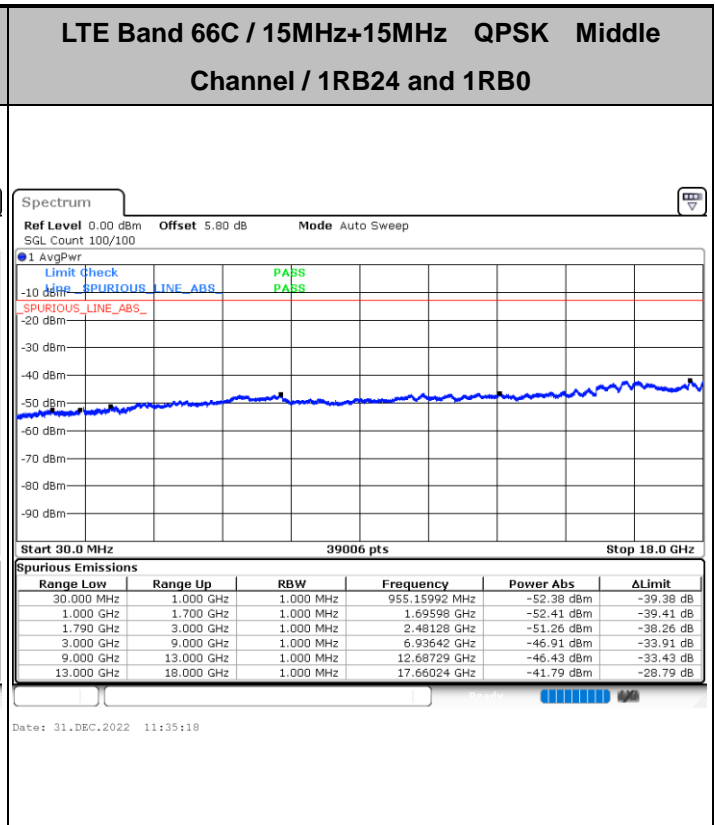
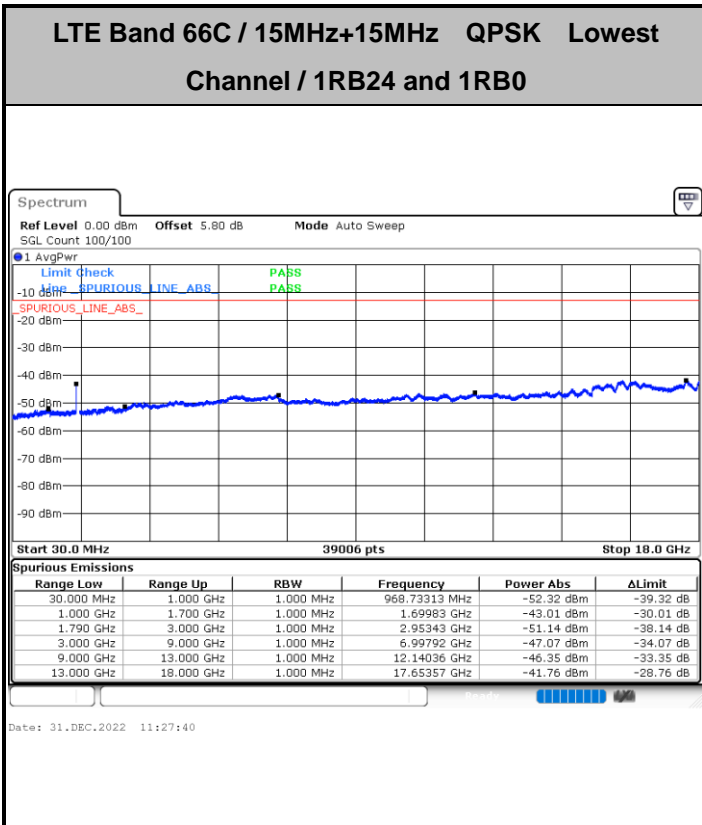
Date: 31.DEC.2022 10:32:42

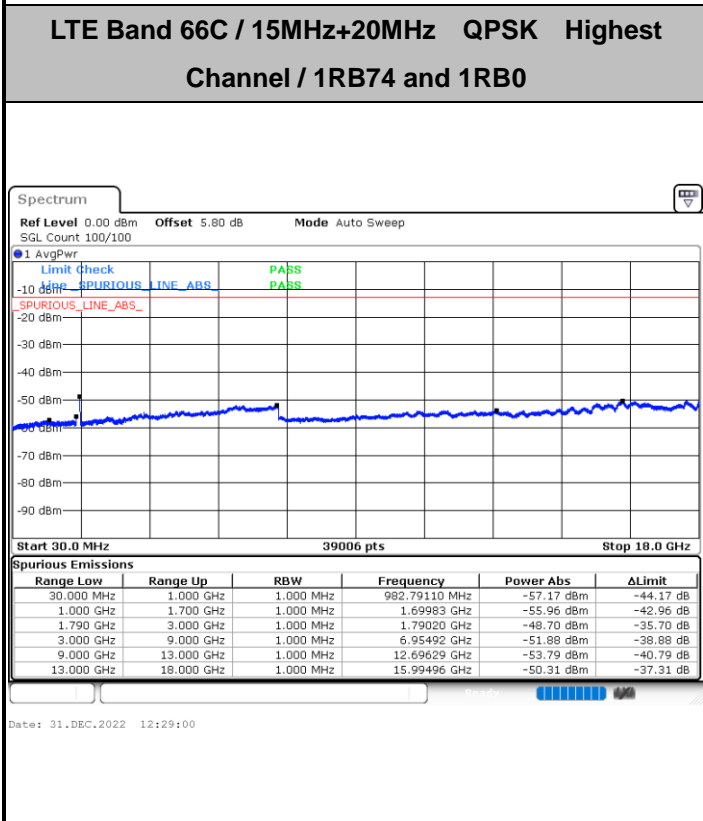
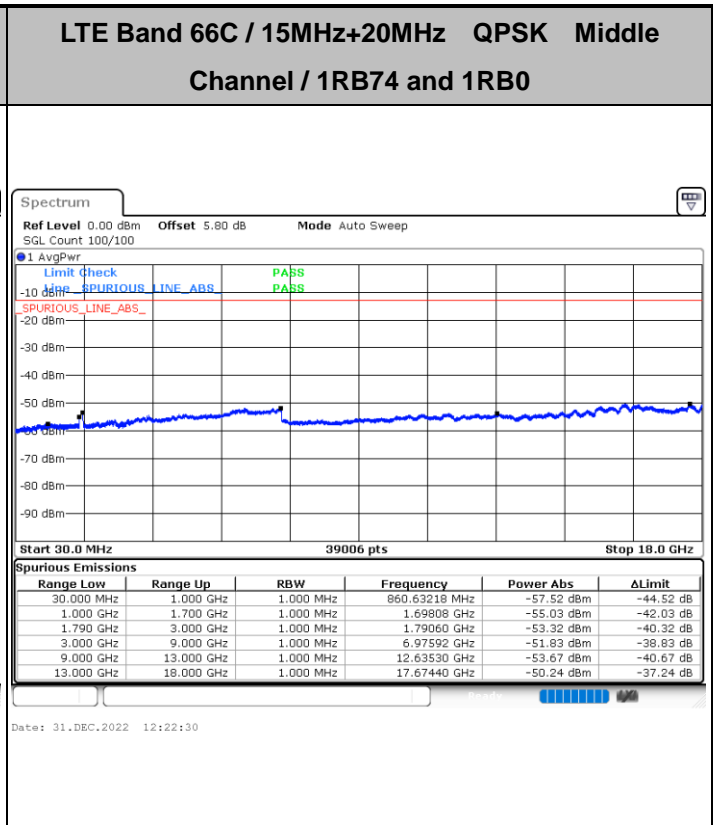
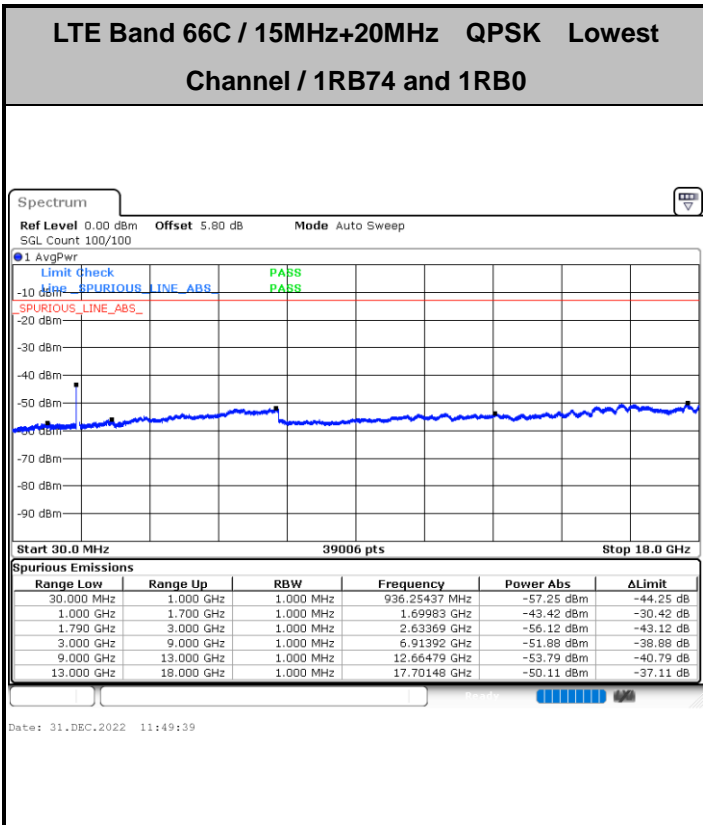
LTE Band 66C / 10MHz+20MHz QPSK Highest Channel / 1RB49 and 1RB0

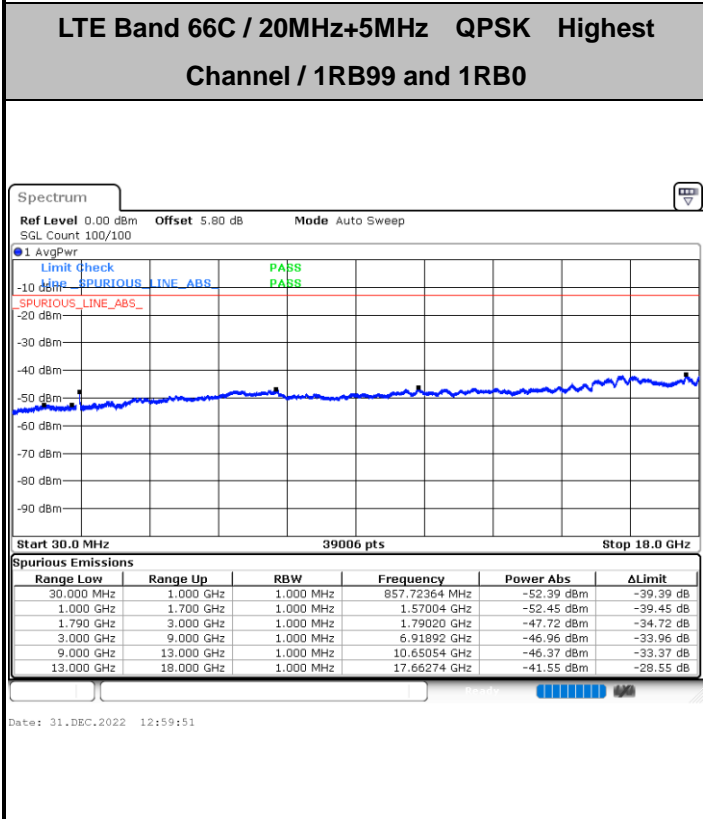
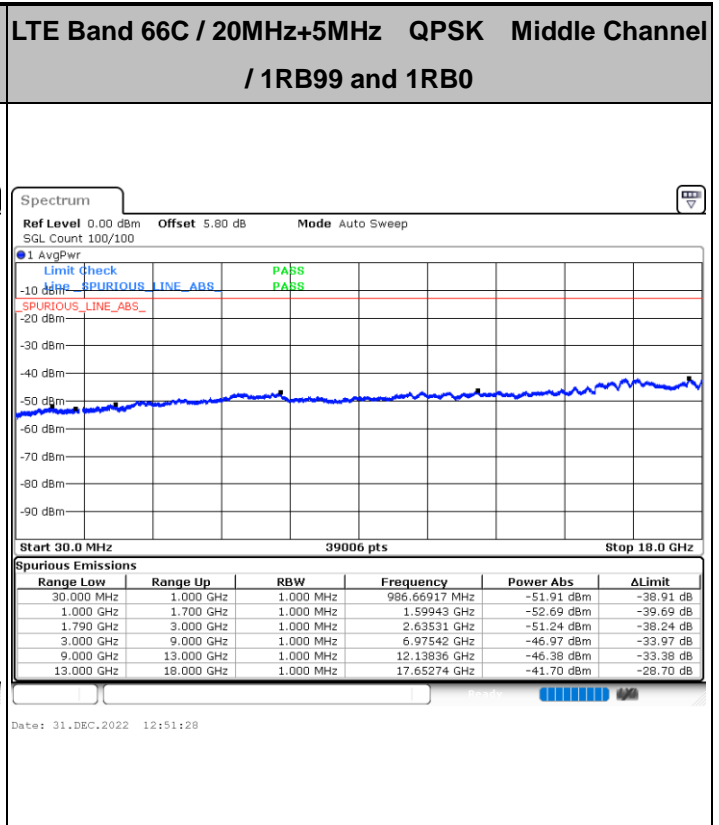
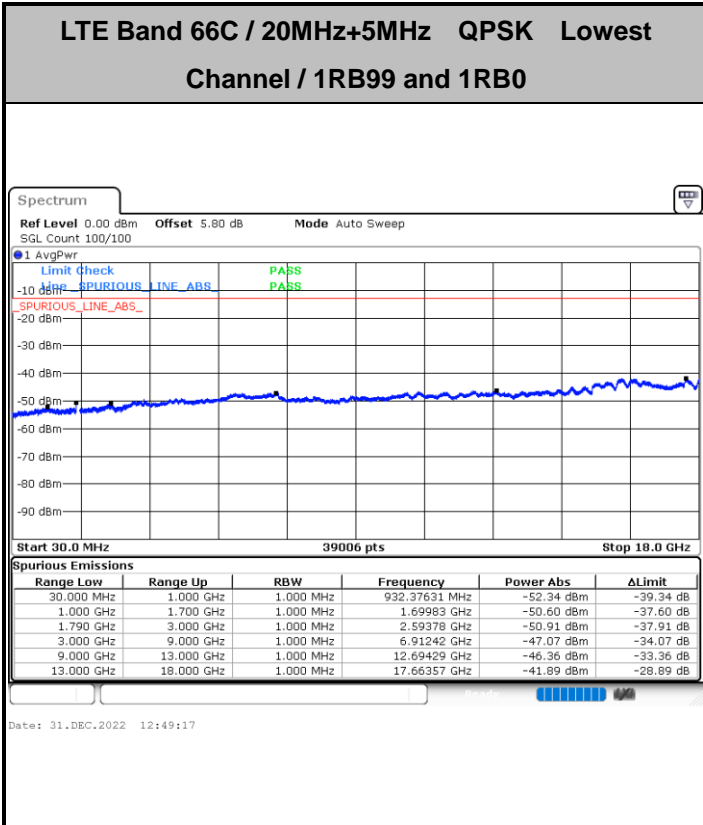


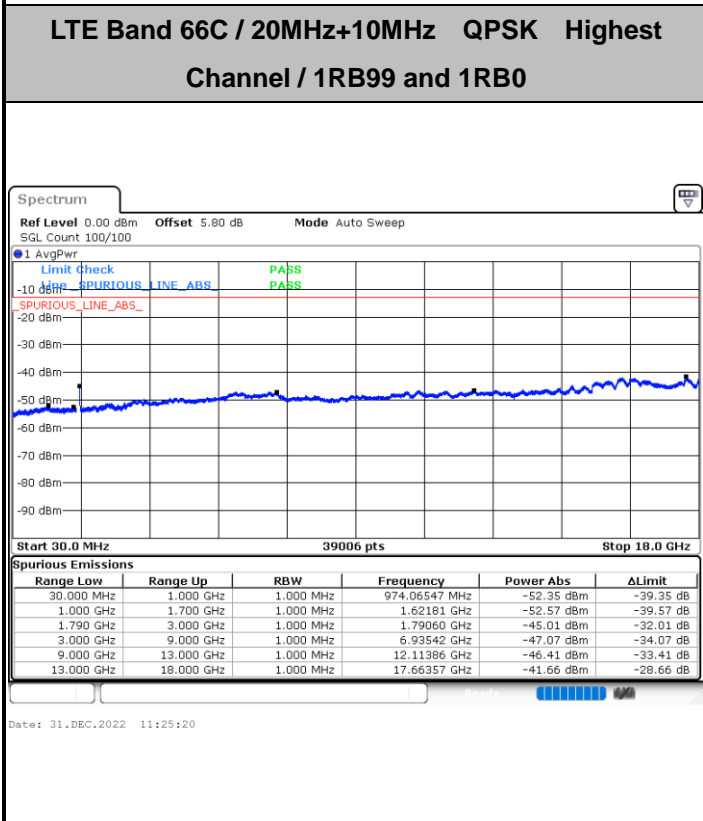
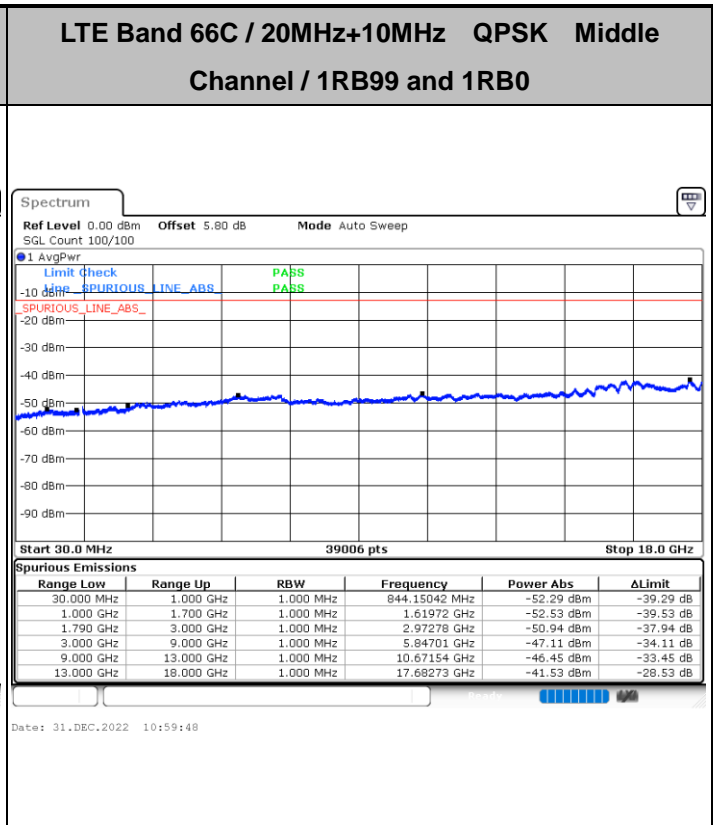
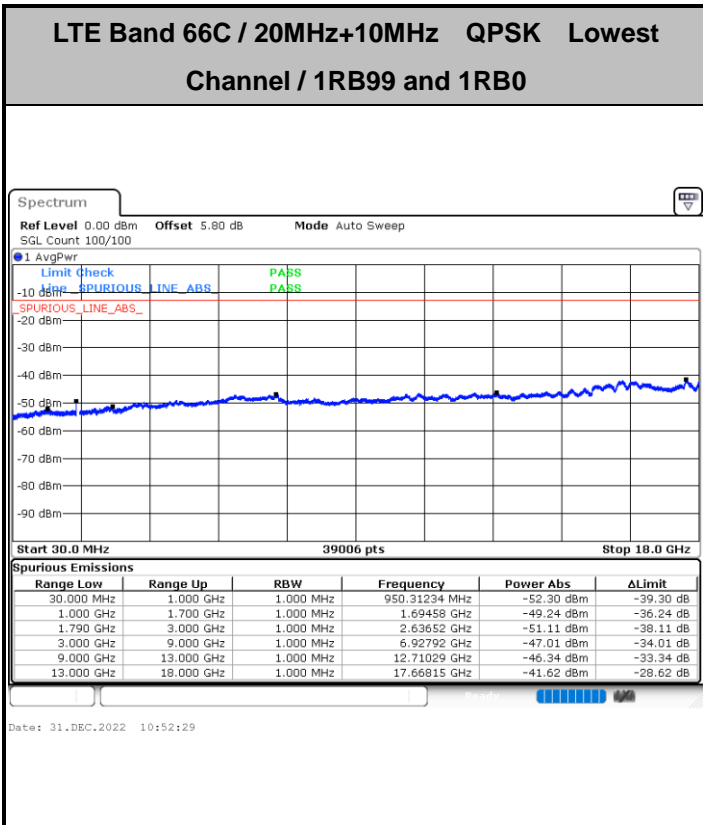
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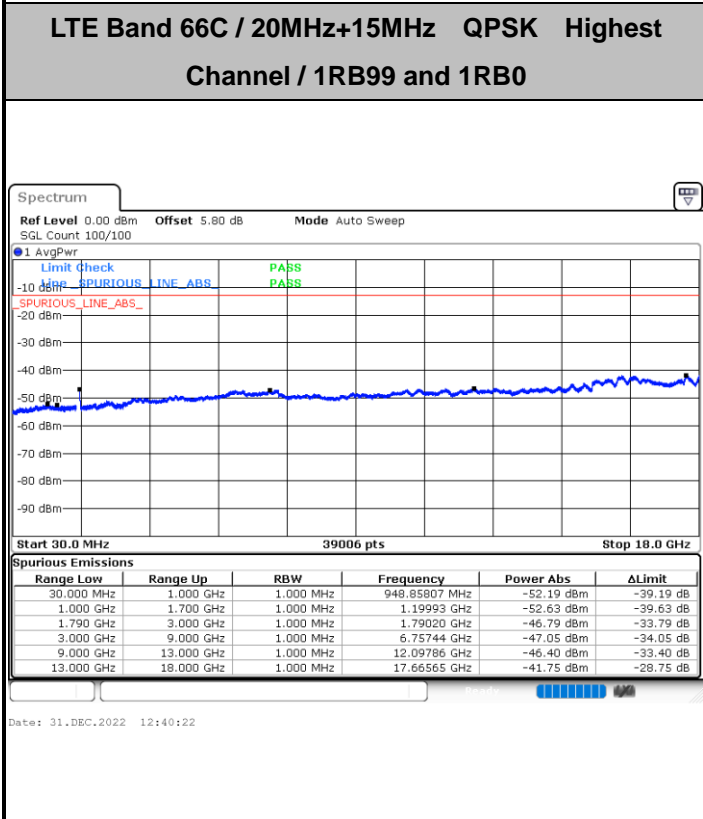
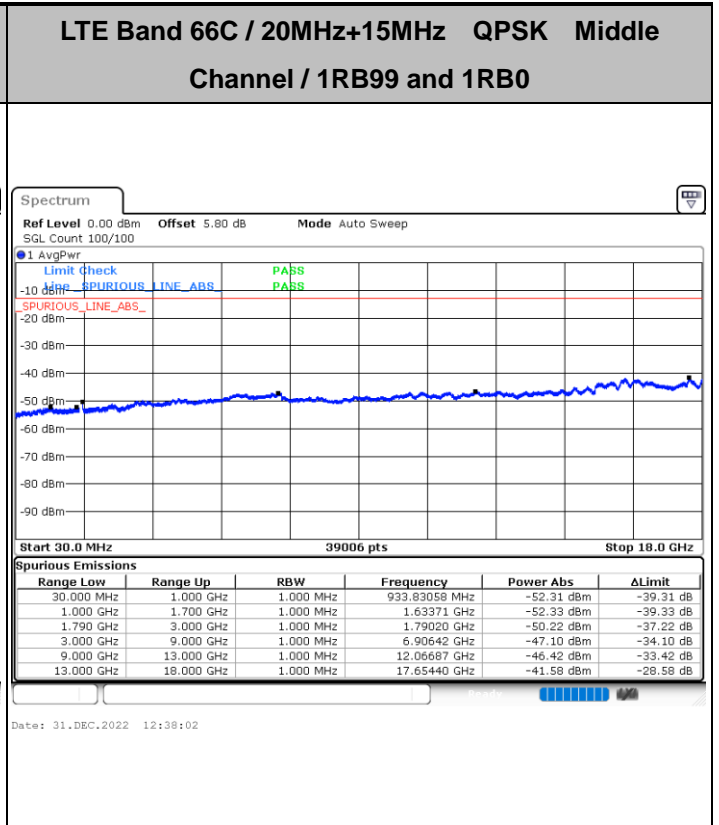
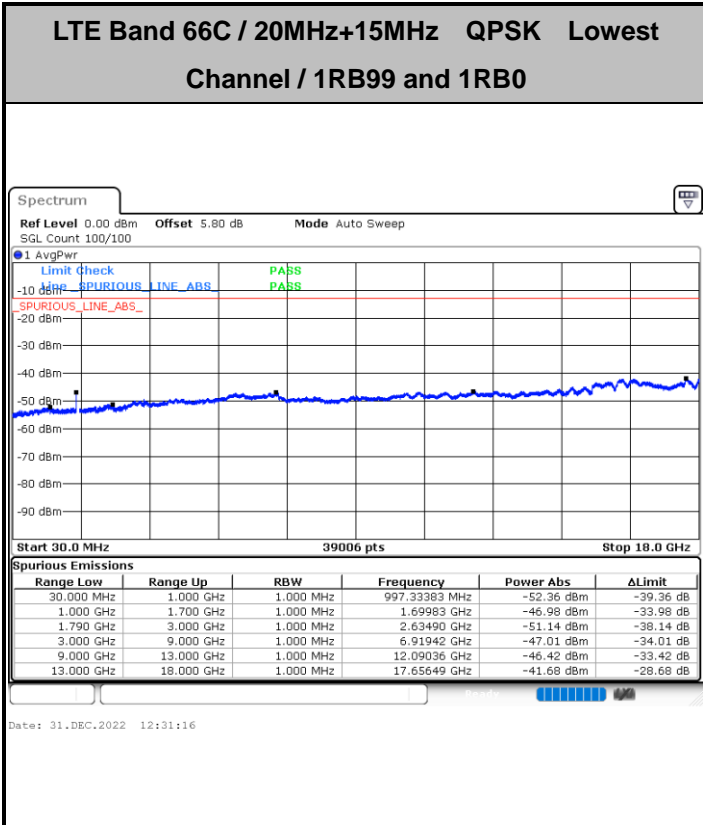








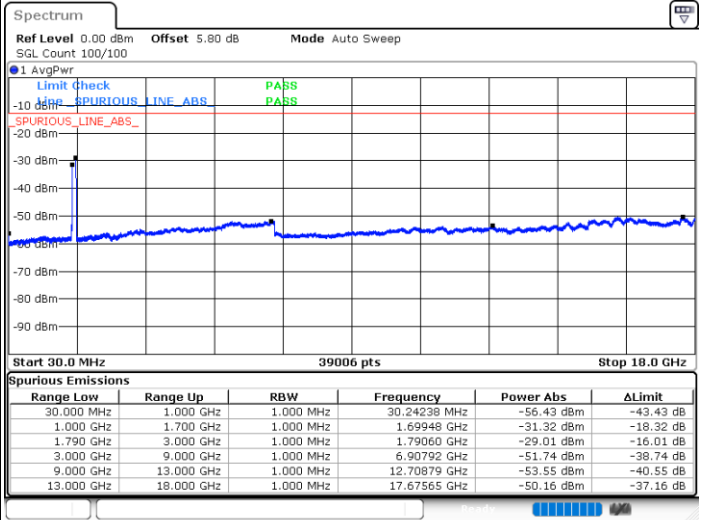
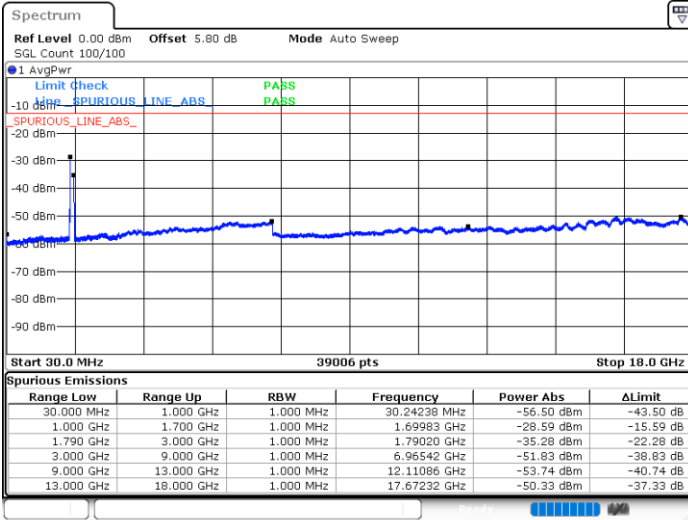






LTE Band 66C / 20MHz+20MHz QPSK Lowest Channel / 1RB99 and 1RB0

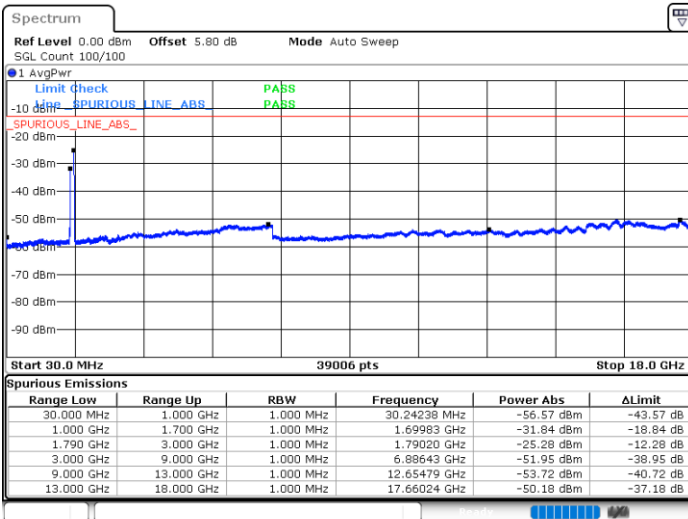
LTE Band 66C / 20MHz+20MHz QPSK Middle Channel / 1RB99 and 1RB0



Date: 31.DEC.2022 08:52:28

Date: 31.DEC.2022 08:54:21

LTE Band 66C / 20MHz+20MHz QPSK Highest Channel / 1RB99 and 1RB0



Date: 31.DEC.2022 08:56:13



Frequency Stability

Test Conditions		LTE Band 66C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

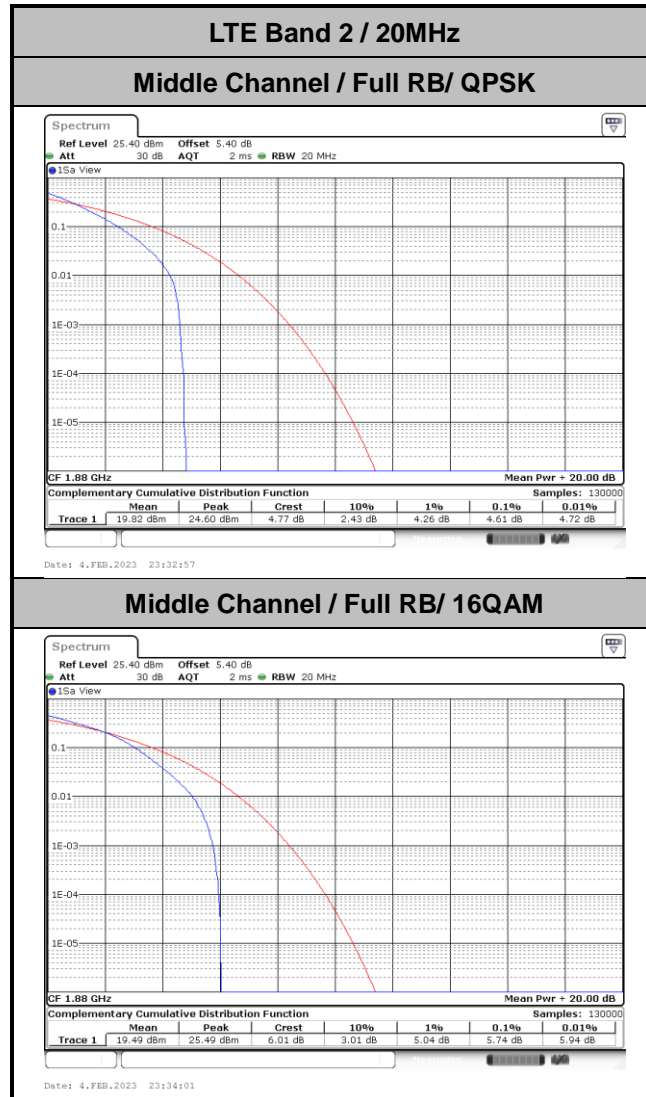


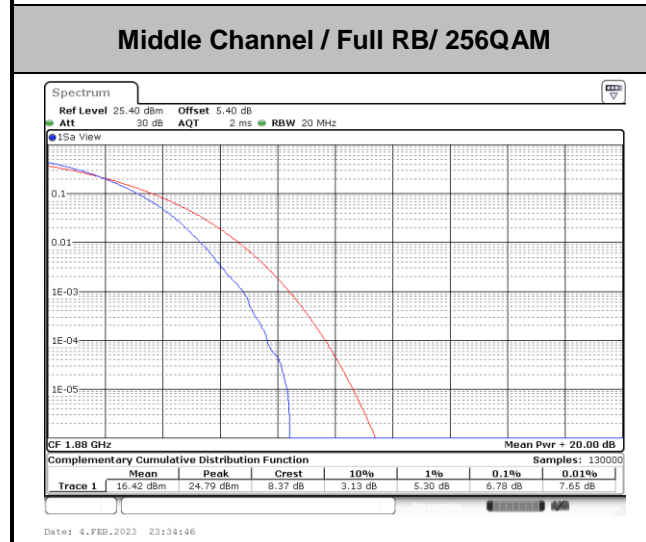
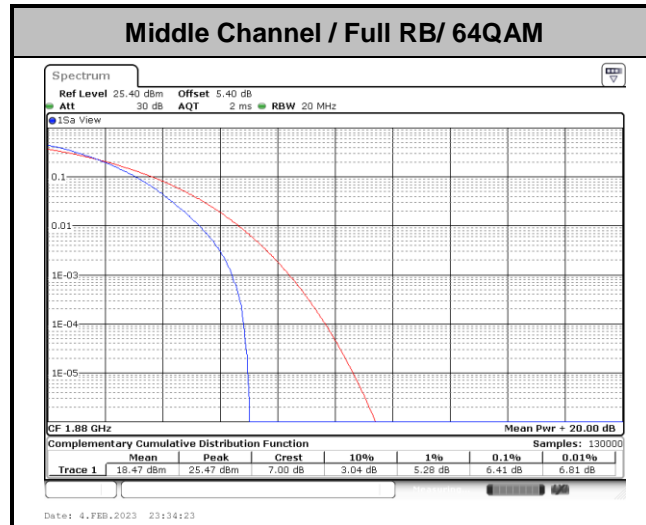
For Other PA:

LTE Band 2

Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.61	5.74	6.41	6.78	PASS







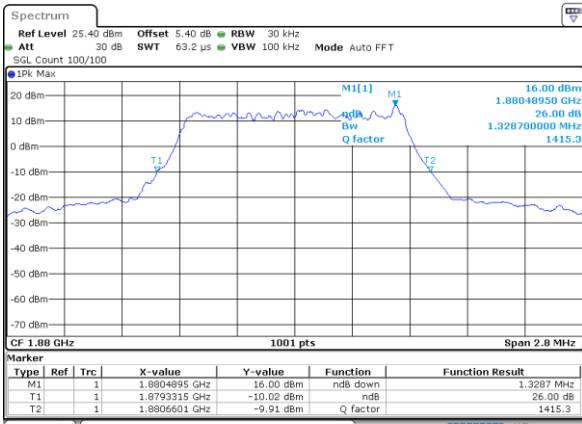
26dB Bandwidth

Mode	LTE Band 2 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.33	1.37
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.12	3.09
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.98	4.99
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.97	9.65
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.33	14.45
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.54	19.26



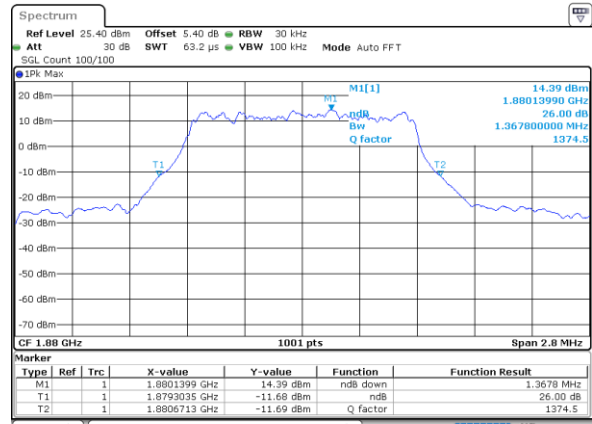
LTE Band 2

Middle Channel / 1.4MHz / QPSK



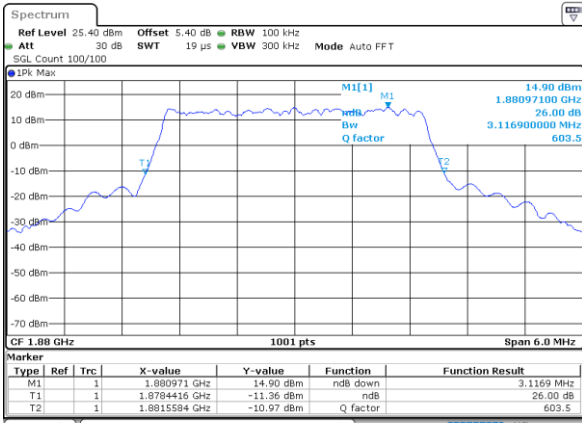
Date: 4.FEB.2023 23:42:43

Middle Channel / 1.4MHz / 16QAM



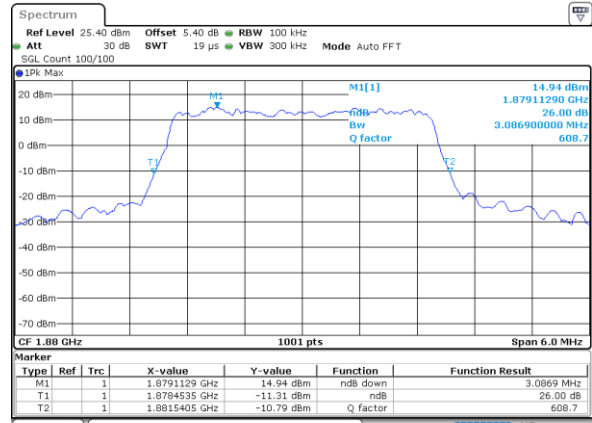
Date: 4.FEB.2023 23:43:04

Middle Channel / 3MHz / QPSK



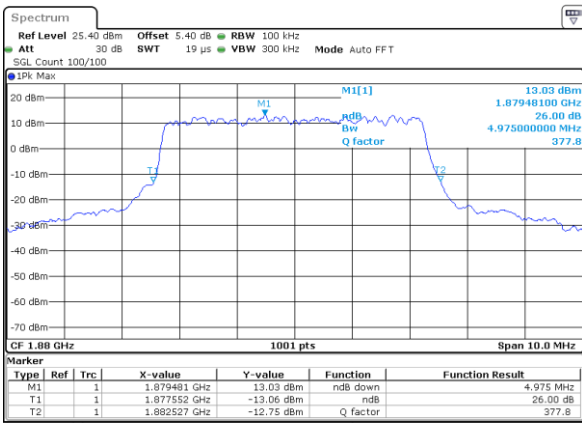
Date: 4.FEB.2023 23:44:07

Middle Channel / 3MHz / 16QAM



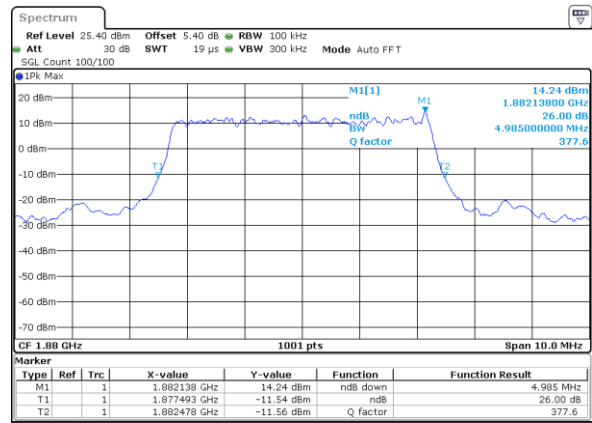
Date: 4.FEB.2023 23:44:28

Middle Channel / 5MHz / QPSK



Date: 4.FEB.2023 23:45:32

Middle Channel / 5MHz / 16QAM

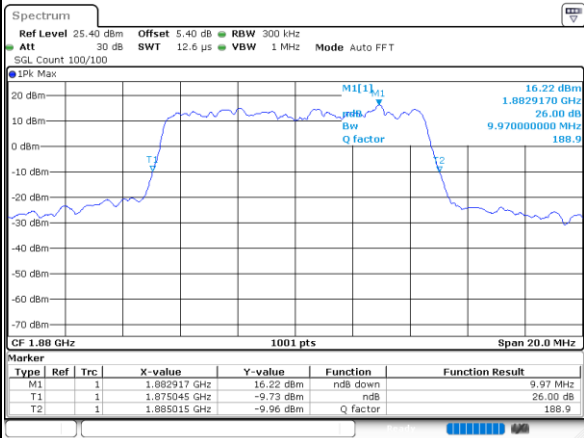


Date: 4.FEB.2023 23:45:53



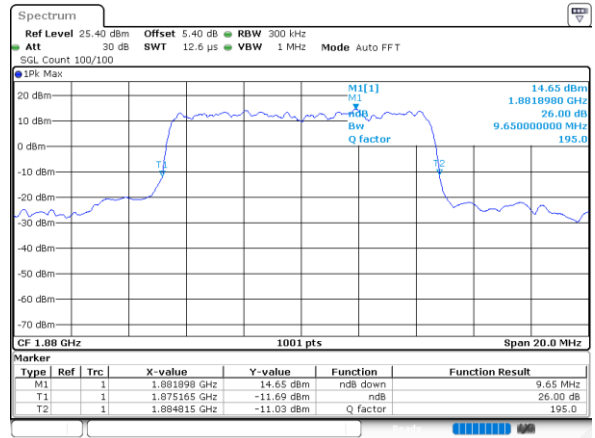
LTE Band 2

Middle Channel / 10MHz / QPSK



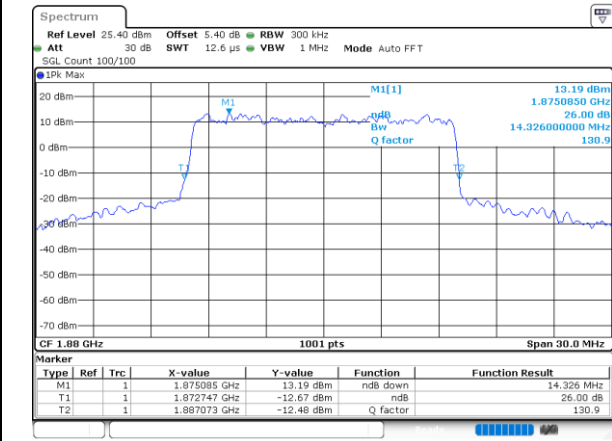
Date: 4.FEB.2023 23:46:56

Middle Channel / 10MHz / 16QAM



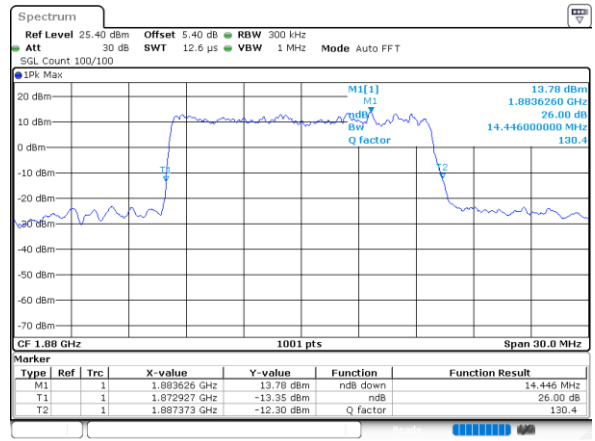
Date: 4.FEB.2023 23:47:17

Middle Channel / 15MHz / QPSK



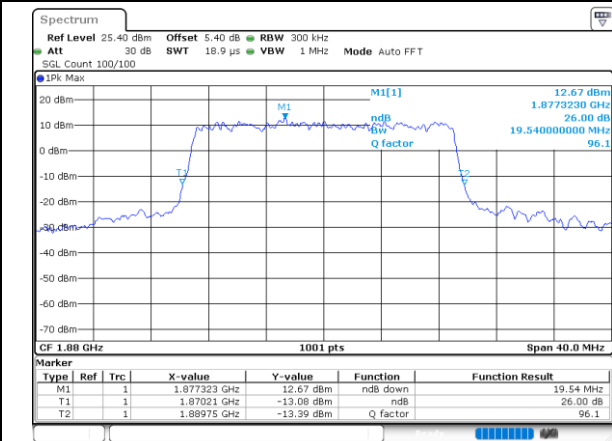
Date: 4.FEB.2023 23:48:20

Middle Channel / 15MHz / 16QAM



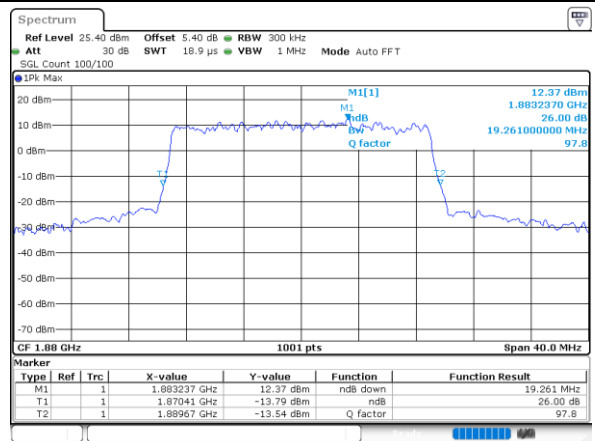
Date: 4.FEB.2023 23:48:41

Middle Channel / 20MHz / QPSK



Date: 4.FEB.2023 23:32:14

Middle Channel / 20MHz / 16QAM



Date: 4.FEB.2023 23:33:18



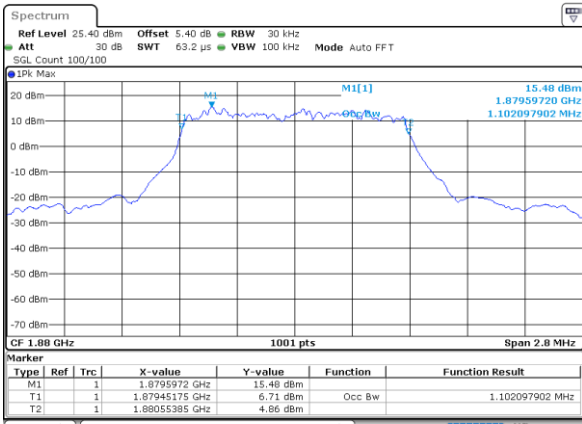
Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.73	2.75
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.03
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.49	13.55
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.86



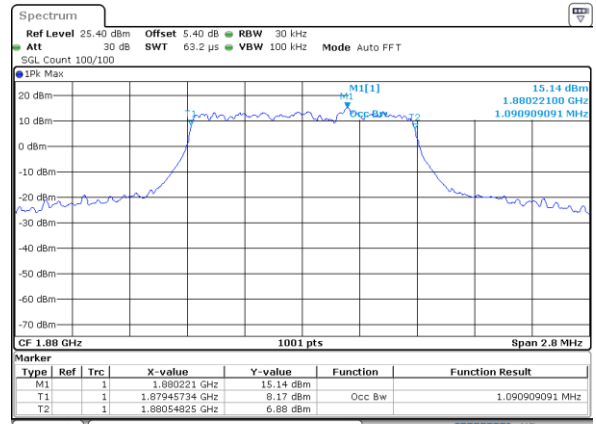
LTE Band 2

Middle Channel / 1.4MHz / QPSK



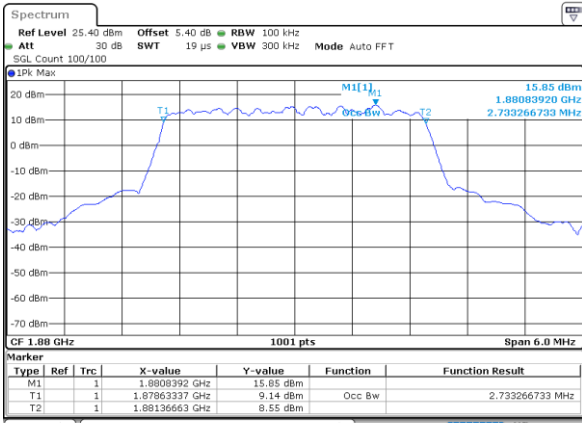
Date: 4.FEB.2023 23:42:22

Middle Channel / 1.4MHz / 16QAM



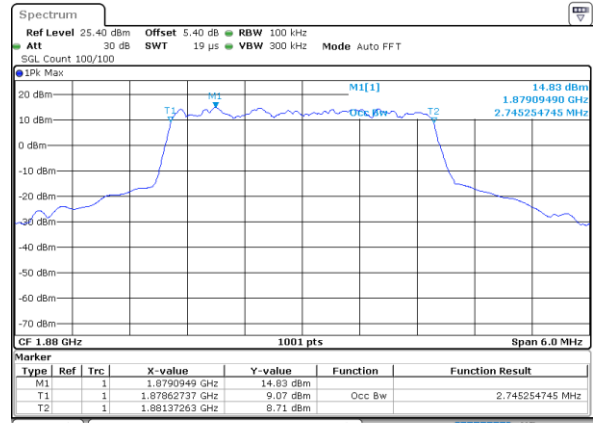
Date: 4.FEB.2023 23:43:25

Middle Channel / 3MHz / QPSK



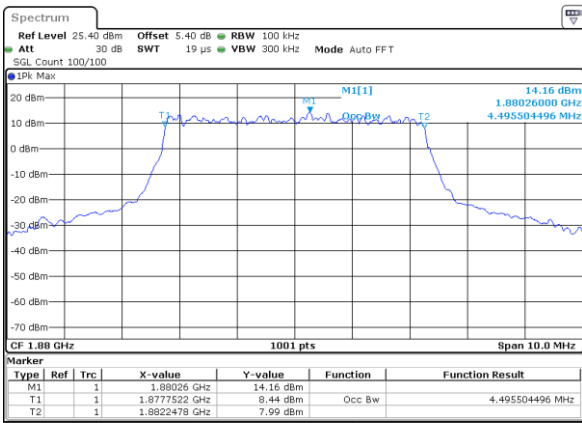
Date: 4.FEB.2023 23:43:46

Middle Channel / 3MHz / 16QAM



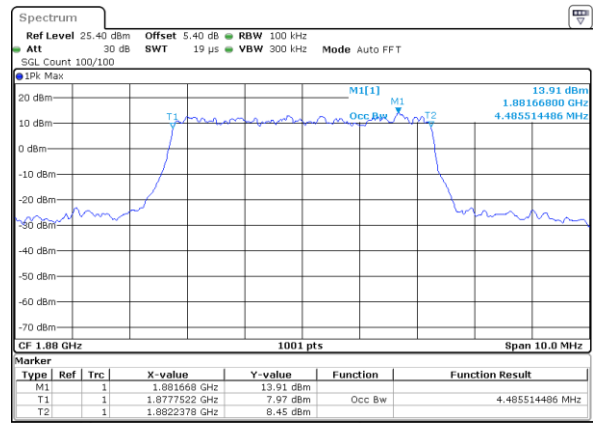
Date: 4.FEB.2023 23:44:49

Middle Channel / 5MHz / QPSK



Date: 4.FEB.2023 23:45:11

Middle Channel / 5MHz / 16QAM

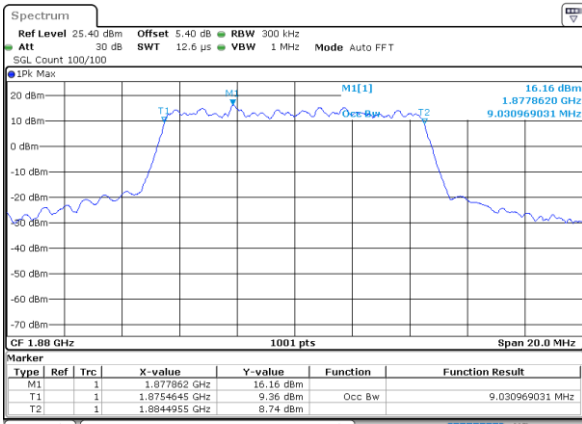


Date: 4.FEB.2023 23:46:14



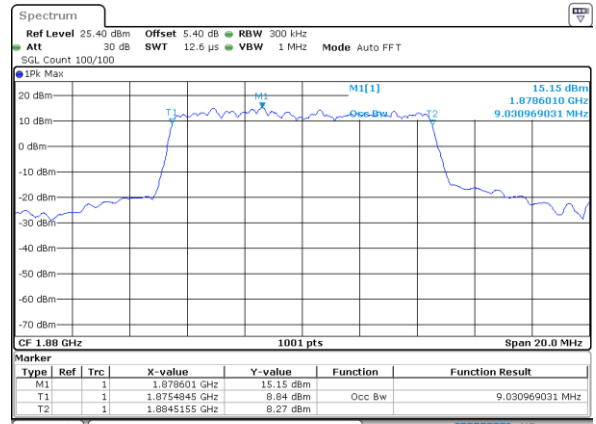
LTE Band 2

Middle Channel / 10MHz / QPSK



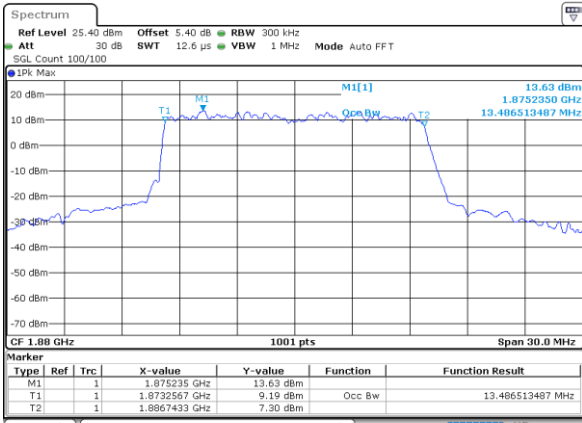
Date: 4.FEB.2023 23:46:35

Middle Channel / 10MHz / 16QAM



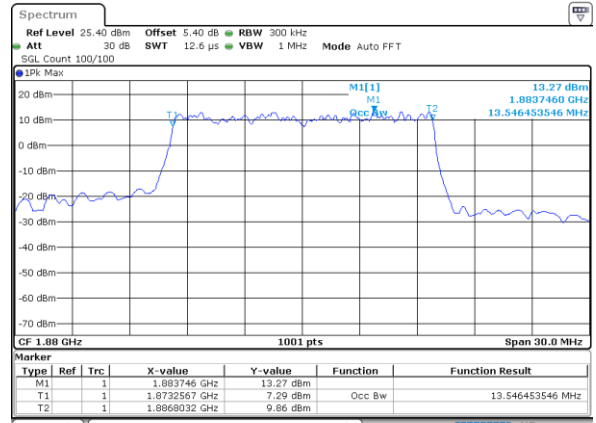
Date: 4.FEB.2023 23:47:38

Middle Channel / 15MHz / QPSK



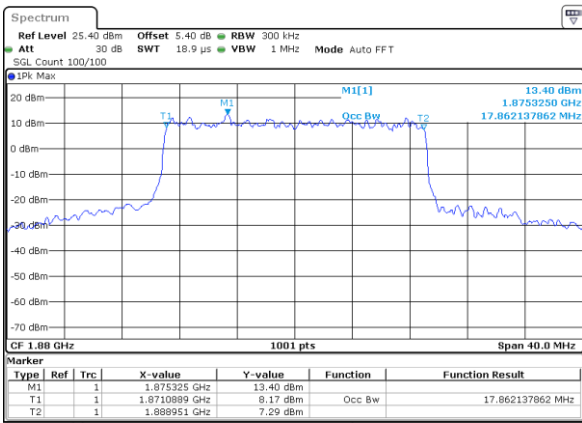
Date: 4.FEB.2023 23:47:59

Middle Channel / 15MHz / 16QAM



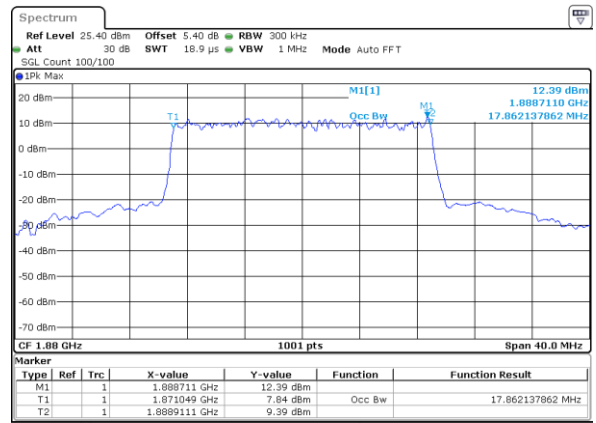
Date: 4.FEB.2023 23:48:02

Middle Channel / 20MHz / QPSK



Date: 4.FEB.2023 23:32:35

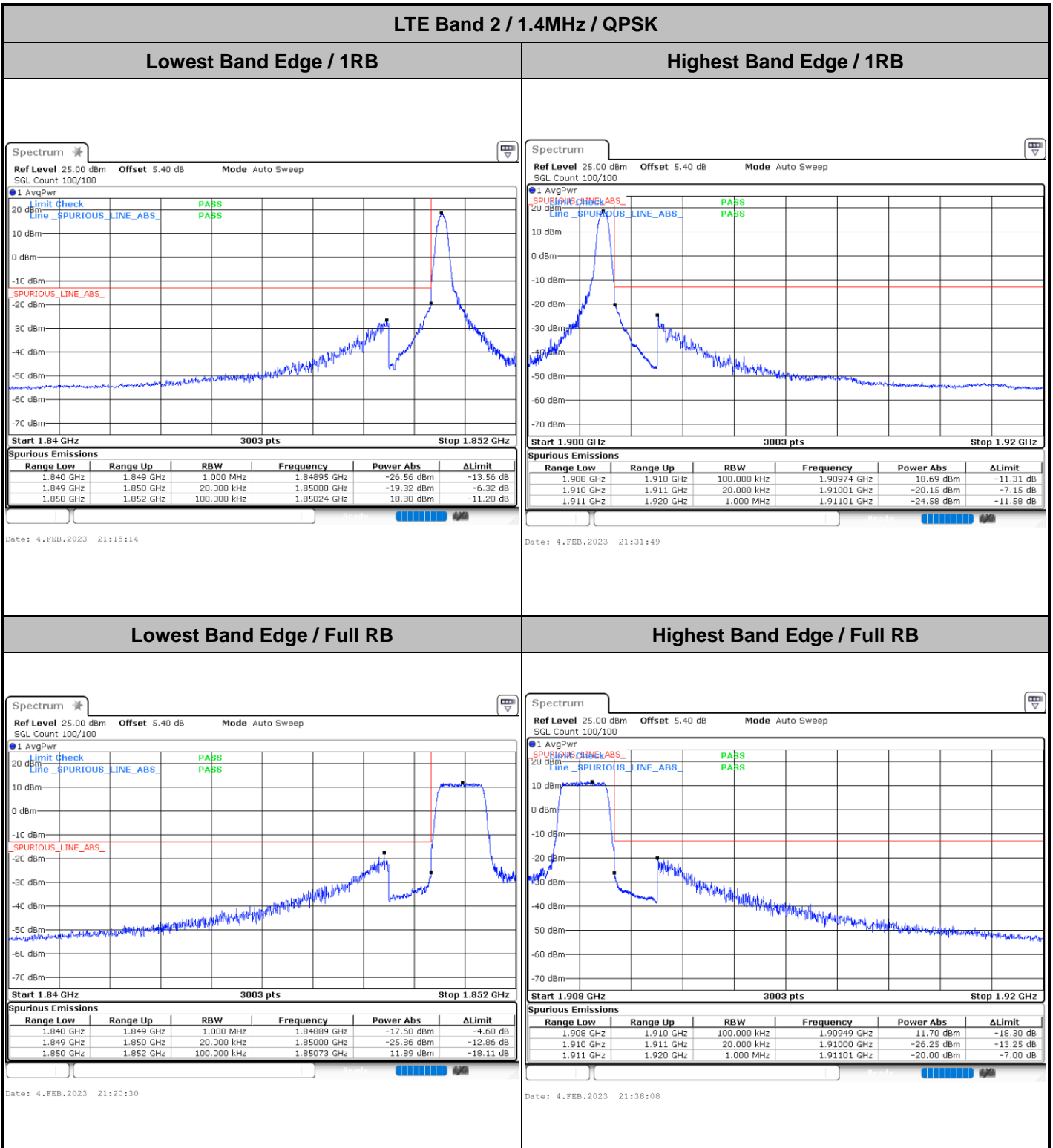
Middle Channel / 20MHz / 16QAM



Date: 4.FEB.2023 23:33:39



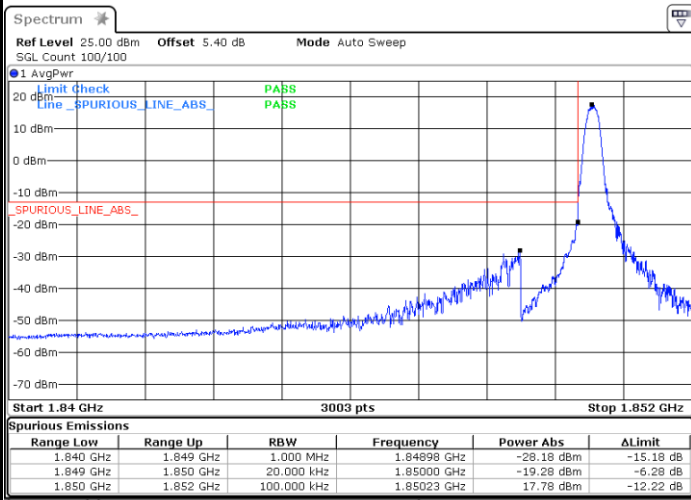
Conducted Band Edge





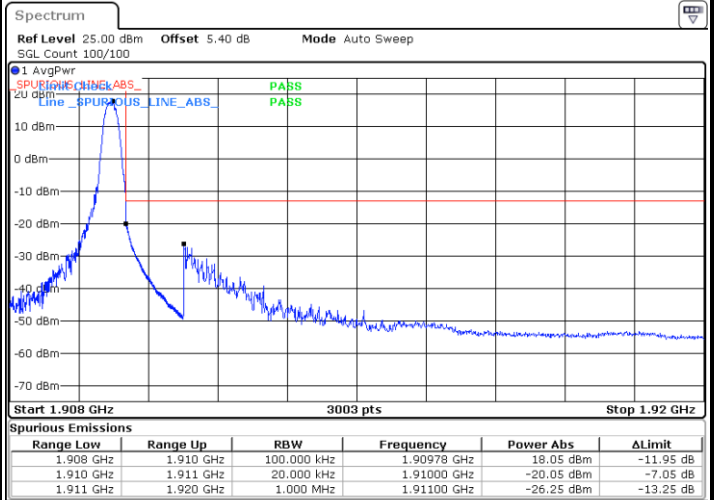
LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



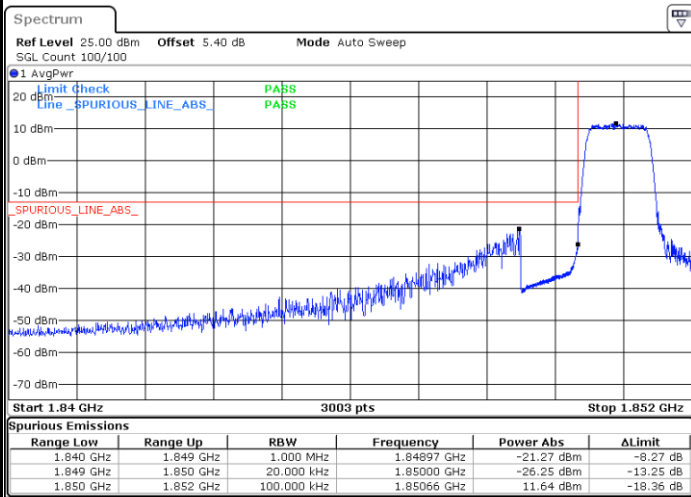
Date: 4.FEB.2023 21:15:48

Highest Band Edge / 1 RB



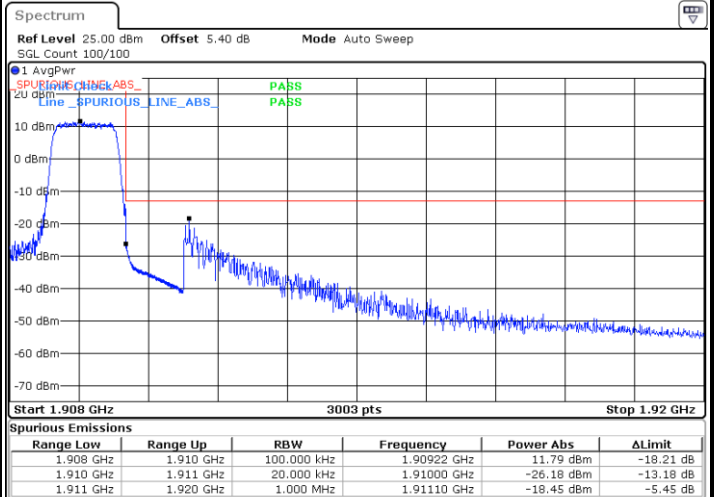
Date: 4.FEB.2023 21:33:24

Lowest Band Edge / Full RB



Date: 4.FEB.2023 21:22:05

Highest Band Edge / Full RB

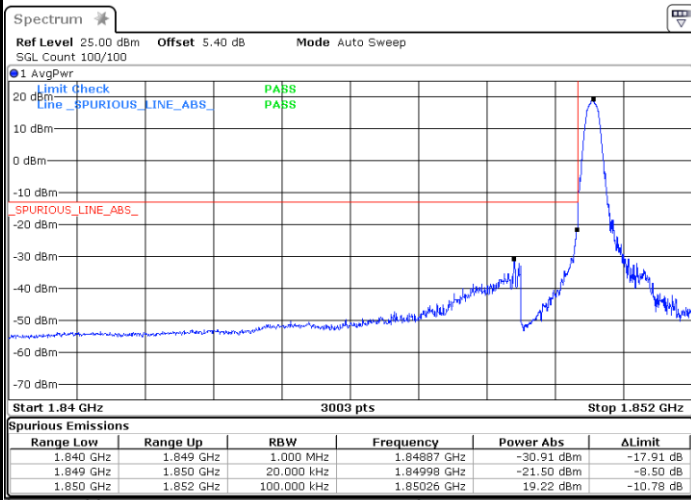


Date: 4.FEB.2023 21:39:43



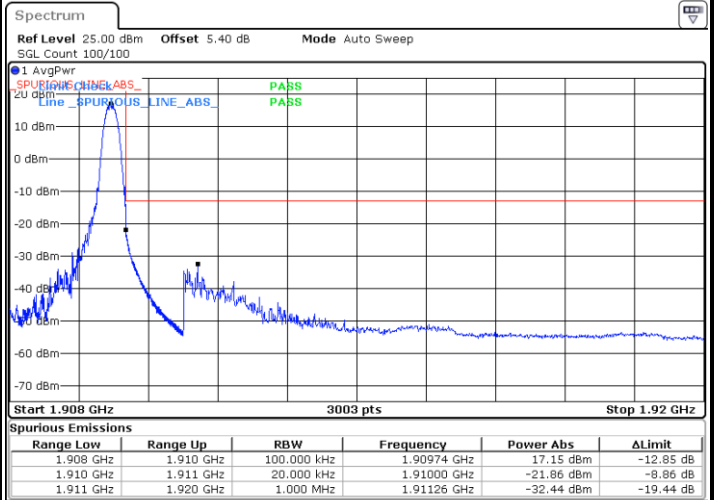
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



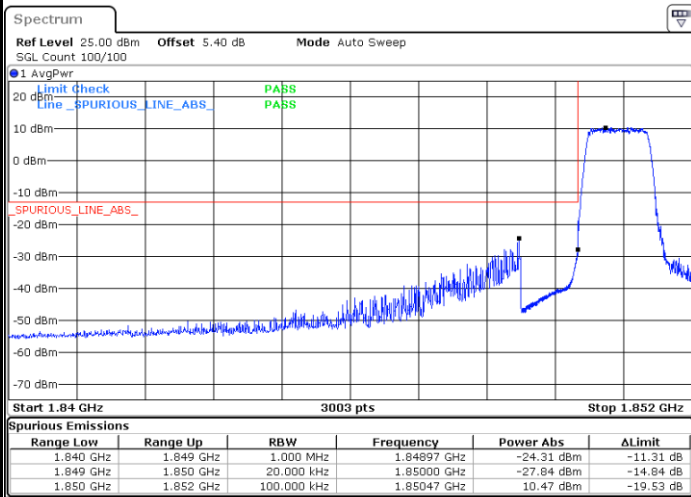
Date: 4.FEB.2023 21:16:17

Highest Band Edge / 1 RB



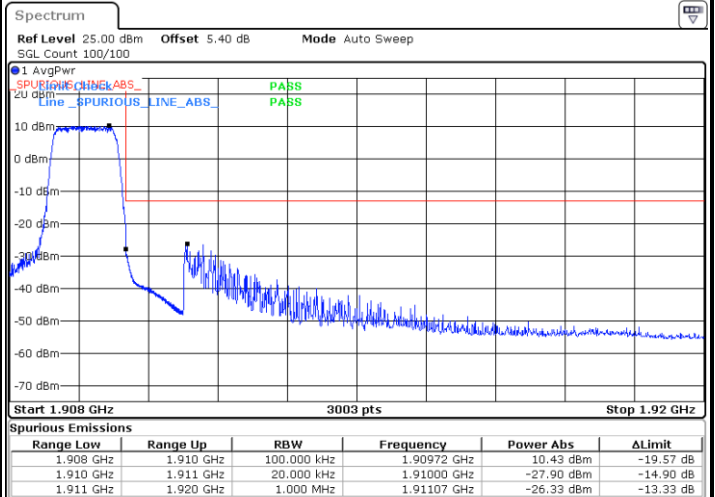
Date: 4.FEB.2023 21:34:58

Lowest Band Edge / Full RB



Date: 4.FEB.2023 21:23:40

Highest Band Edge / Full RB

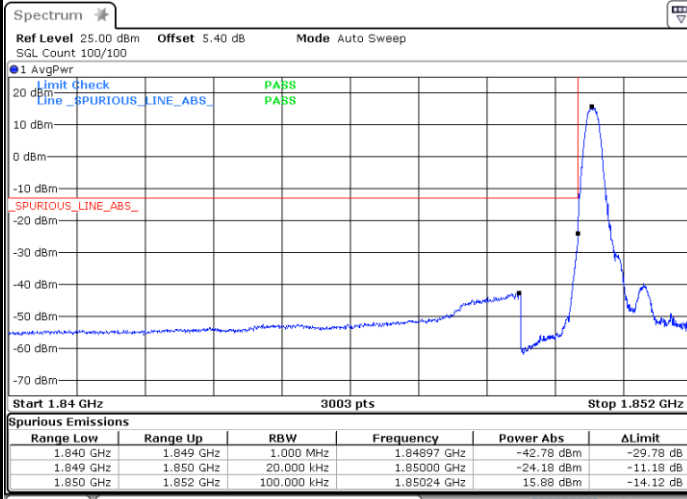


Date: 4.FEB.2023 21:41:18



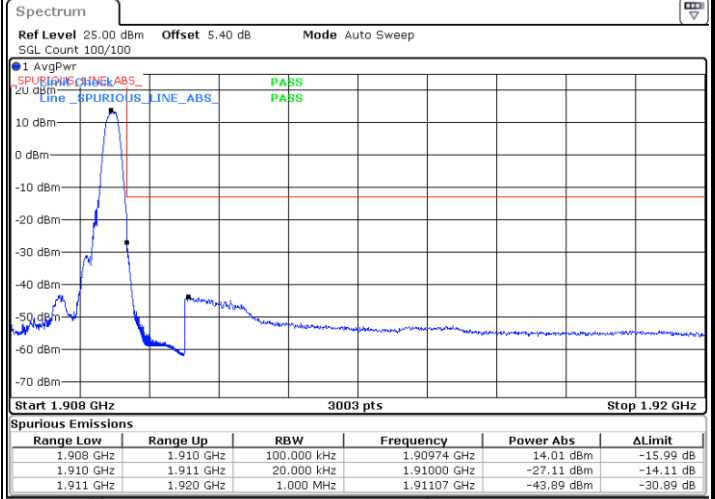
LTE Band 2 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



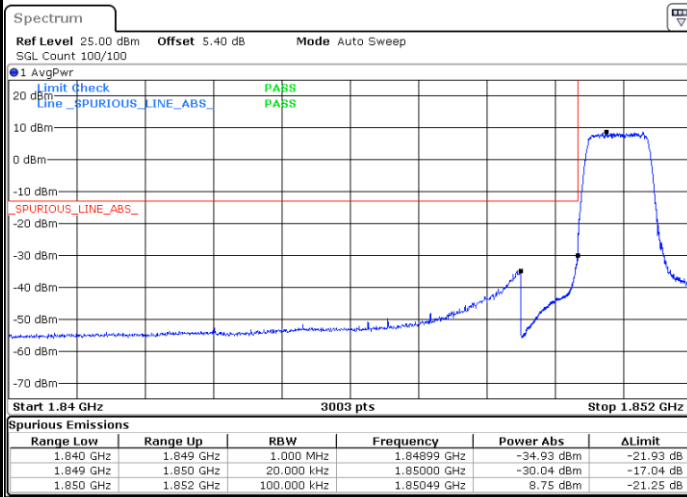
Date: 4.FEB.2023 21:16:52

Highest Band Edge / 1 RB



Date: 4.FEB.2023 21:36:33

Lowest Band Edge / Full RB



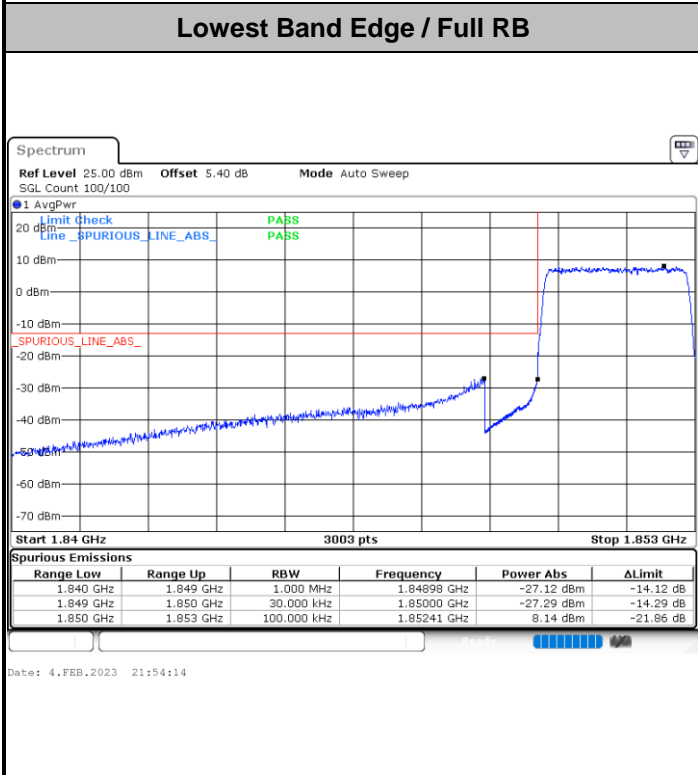
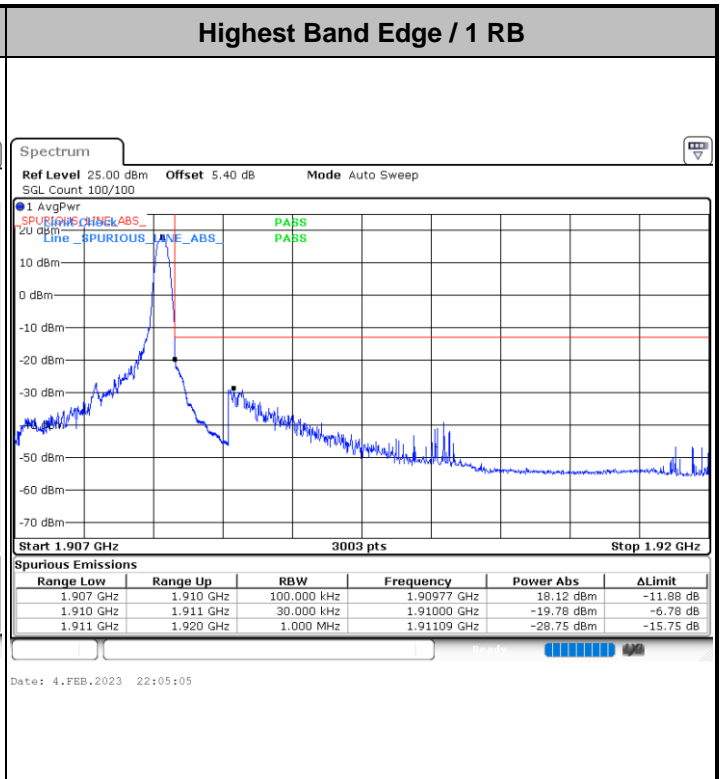
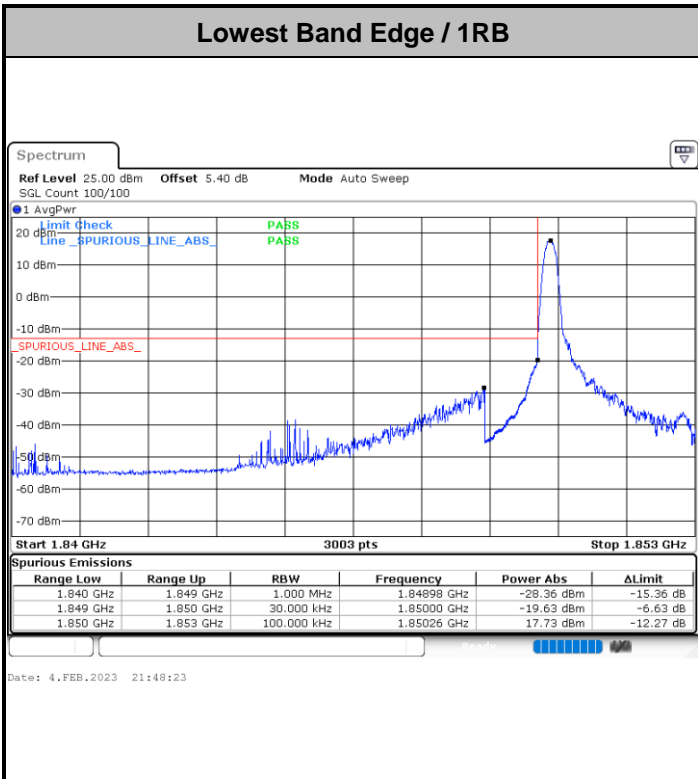
Date: 4.FEB.2023 21:25:15

Highest Band Edge / Full RB



Date: 4.FEB.2023 21:42:53

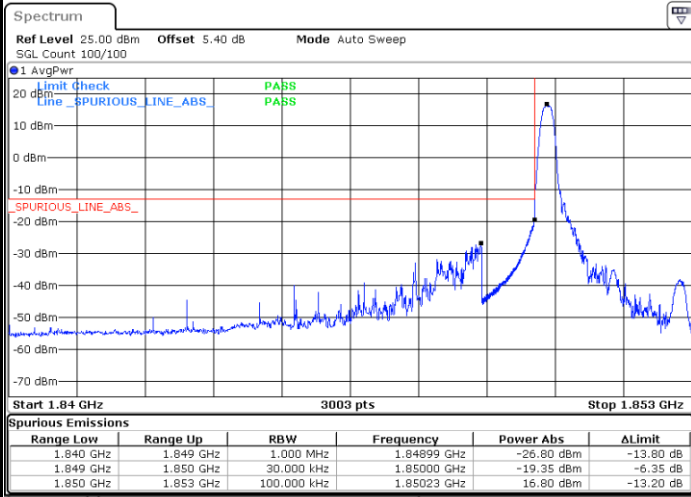
LTE Band 2 / 3MHz / QPSK





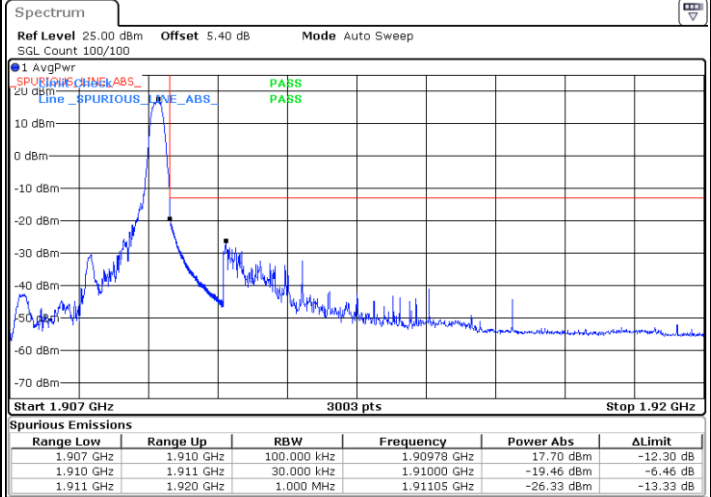
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



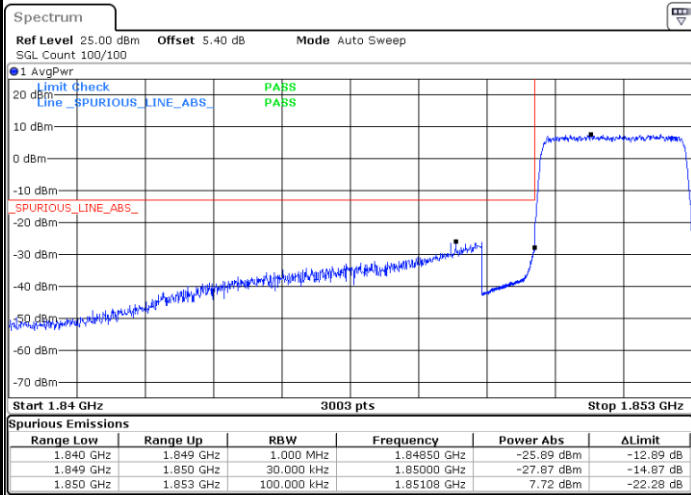
Date: 4.FEB.2023 21:49:57

Highest Band Edge / 1 RB



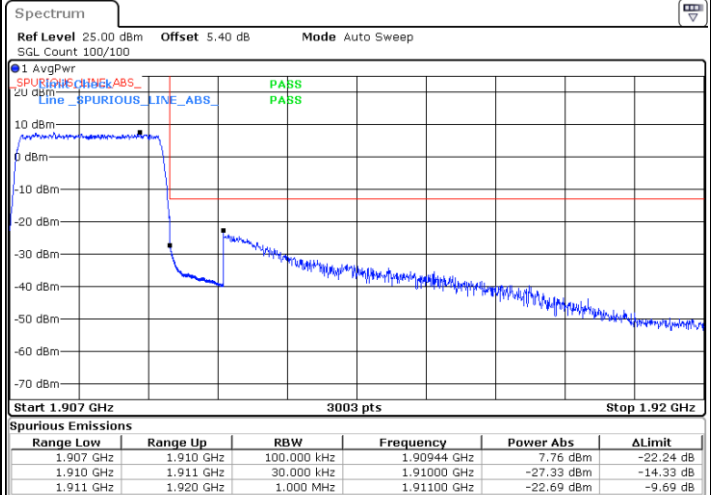
Date: 4.FEB.2023 22:06:13

Lowest Band Edge / Full RB



Date: 4.FEB.2023 21:55:22

Highest Band Edge / Full RB



Date: 4.FEB.2023 22:10:47