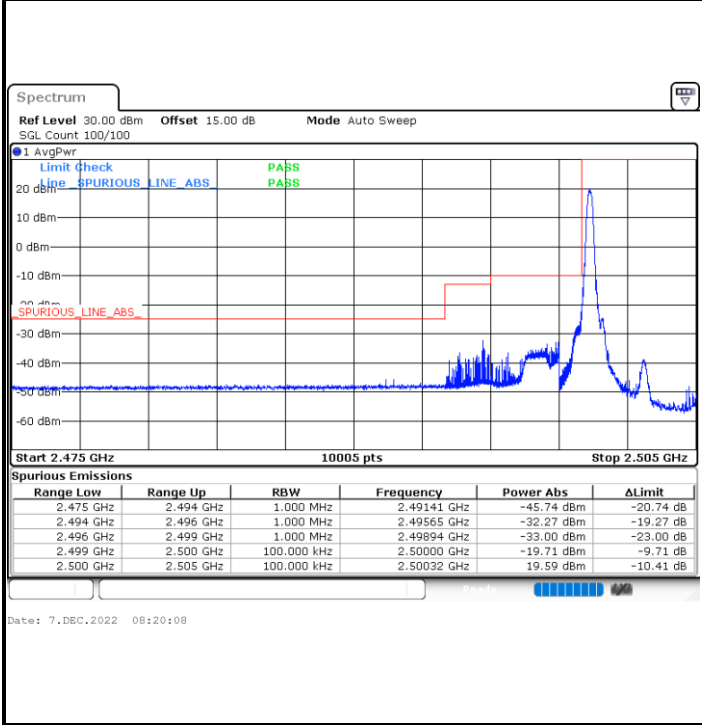


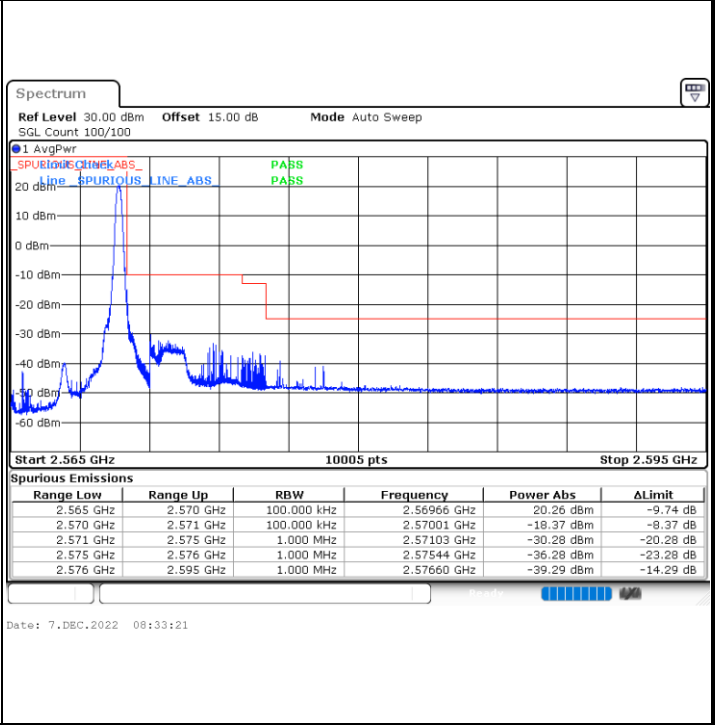


LTE Band 7 / 5MHz / 16QAM

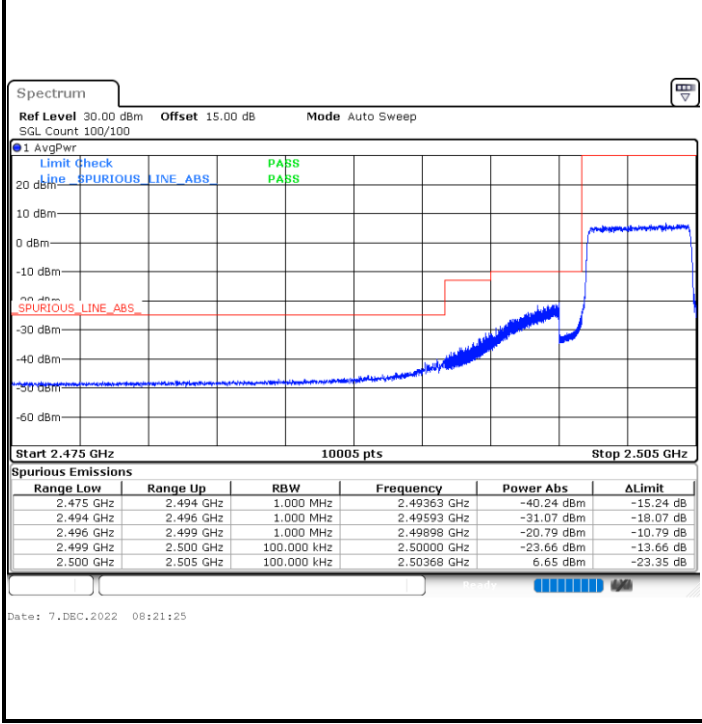
Lowest Band Edge / 1 RB



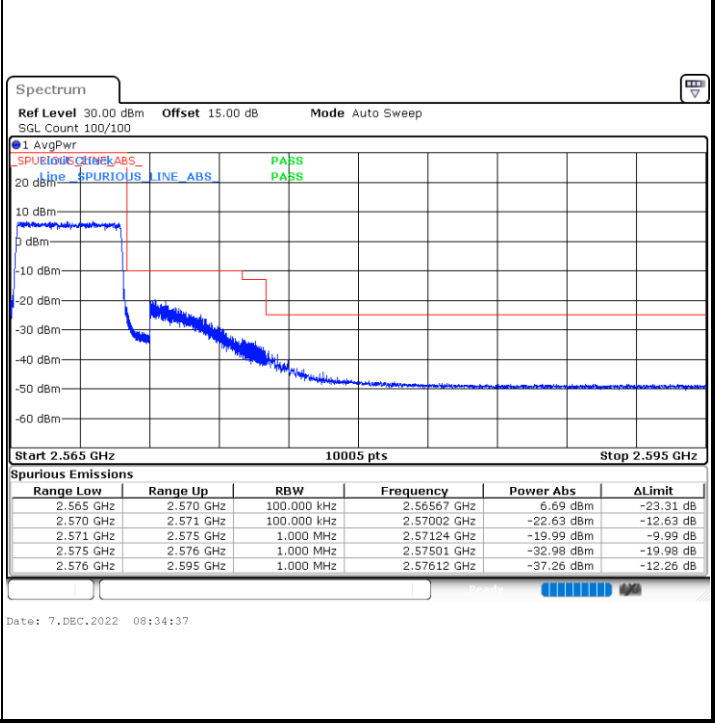
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



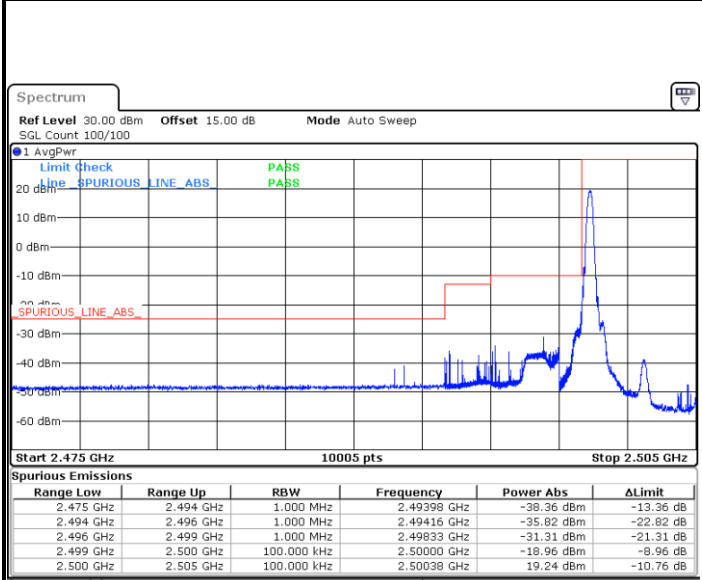
Highest Band Edge / Full RB





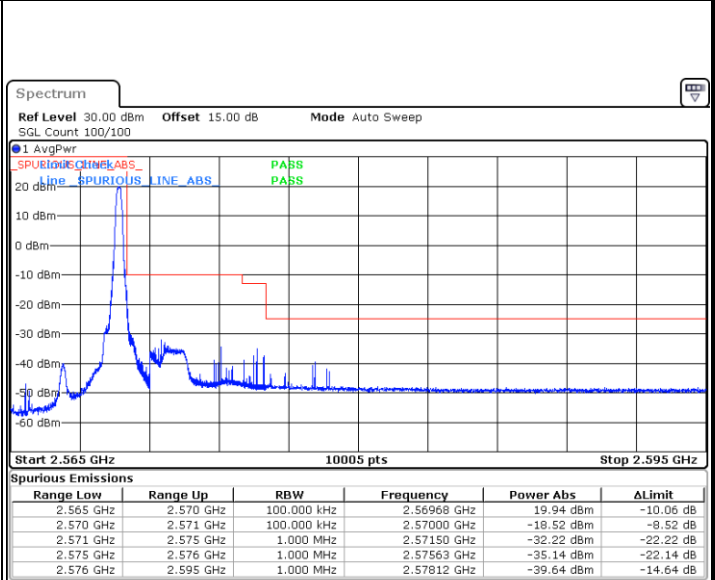
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



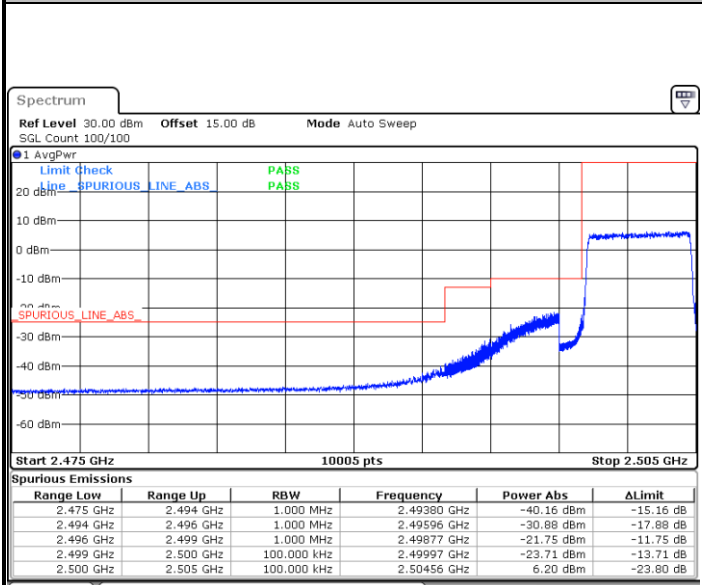
Date: 7. DEC. 2022 08:37:59

Highest Band Edge / 1 RB



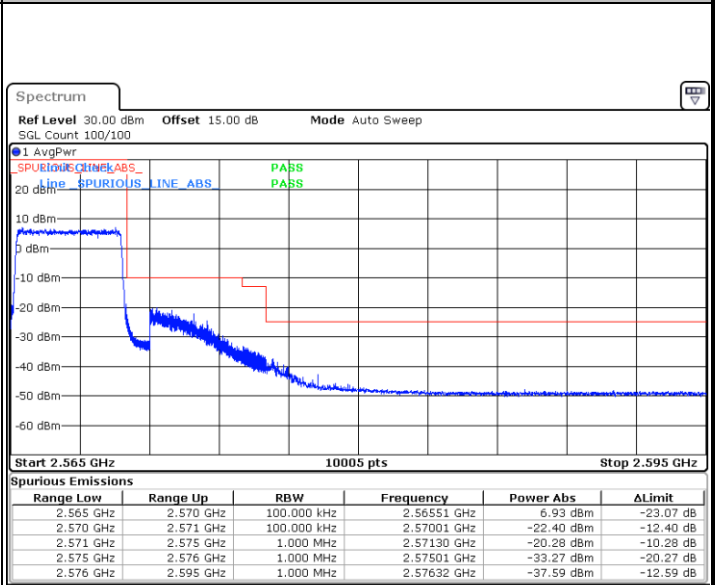
Date: 7. DEC. 2022 08:42:39

Lowest Band Edge / Full RB



Date: 7. DEC. 2022 08:38:38

Highest Band Edge / Full RB

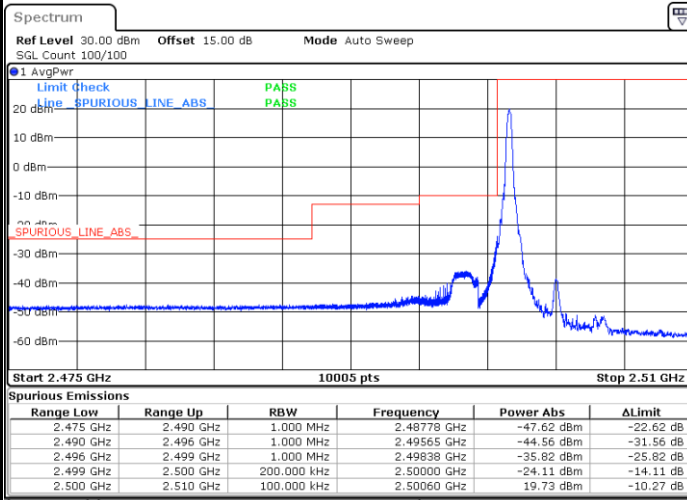


Date: 7. DEC. 2022 08:43:17



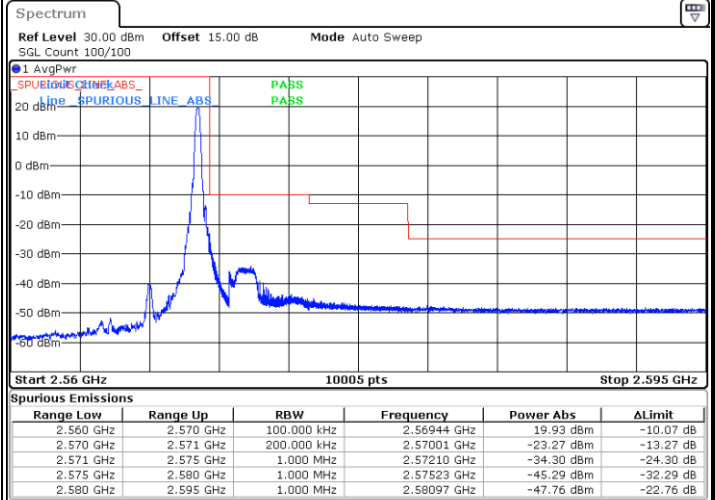
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



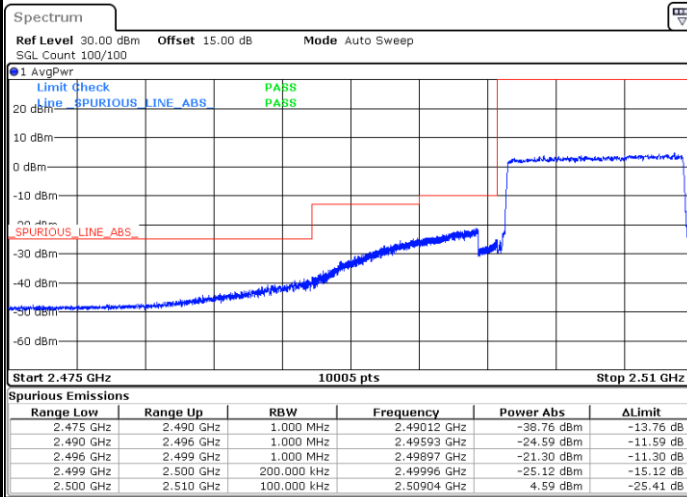
Date: 7. DEC. 2022 08:46:36

Highest Band Edge / 1 RB



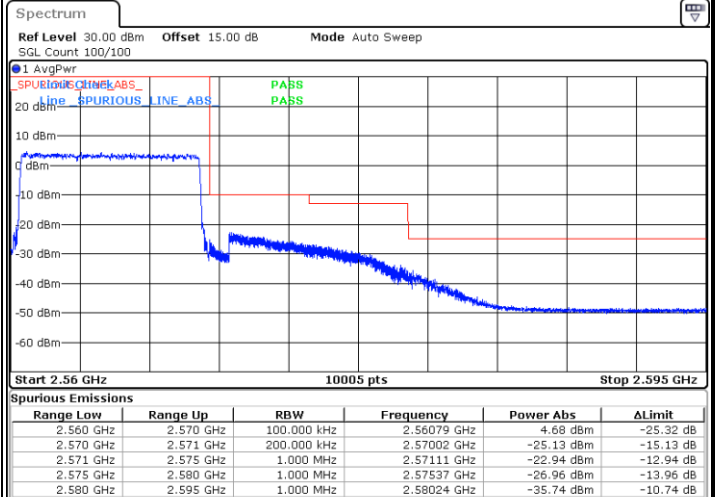
Date: 7. DEC. 2022 08:56:31

Lowest Band Edge / Full RB



Date: 7. DEC. 2022 08:47:52

Highest Band Edge / Full RB



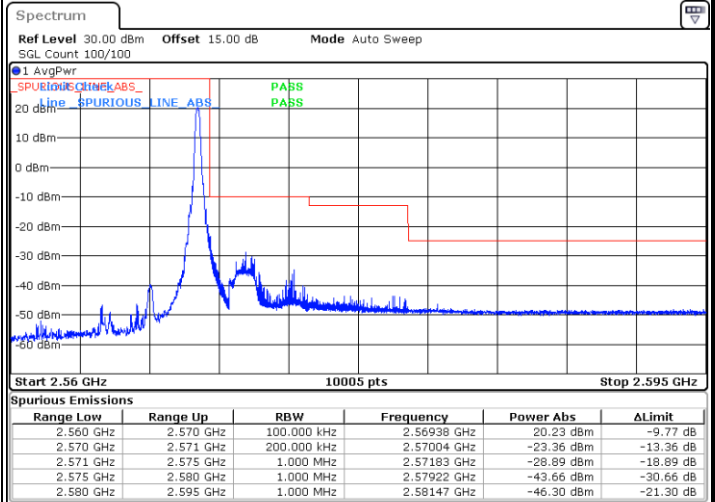
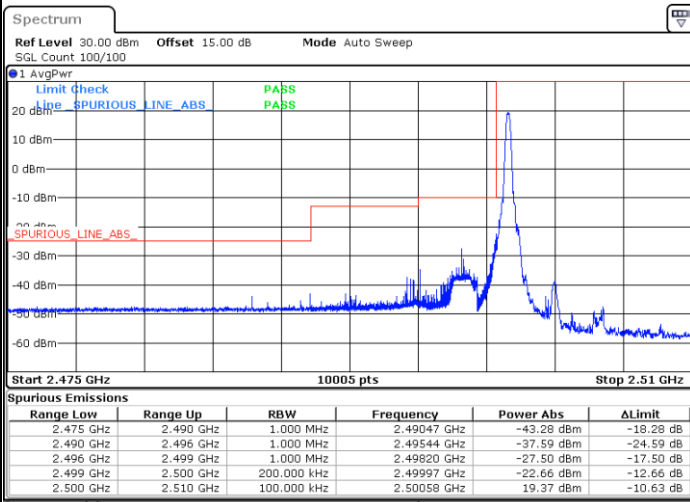
Date: 7. DEC. 2022 08:57:47



LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

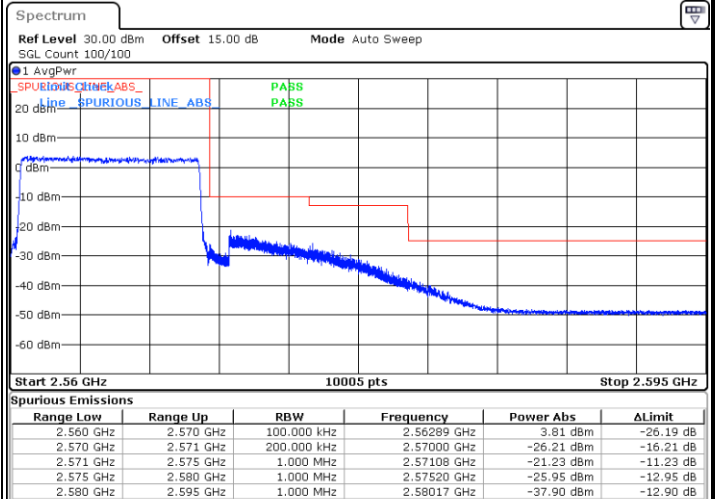
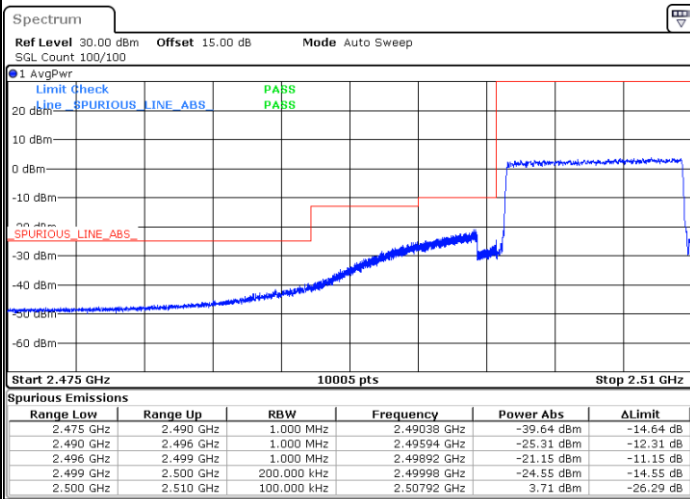


Date: 7.DEC.2022 08:47:14

Date: 7.DEC.2022 08:57:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



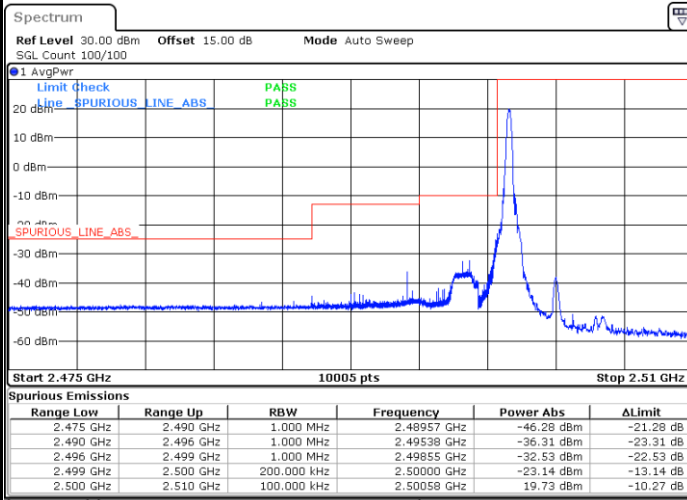
Date: 7.DEC.2022 08:48:30

Date: 7.DEC.2022 08:58:26



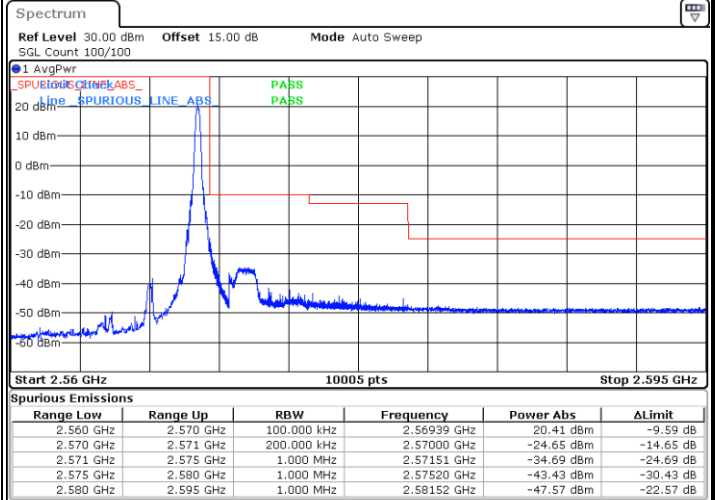
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



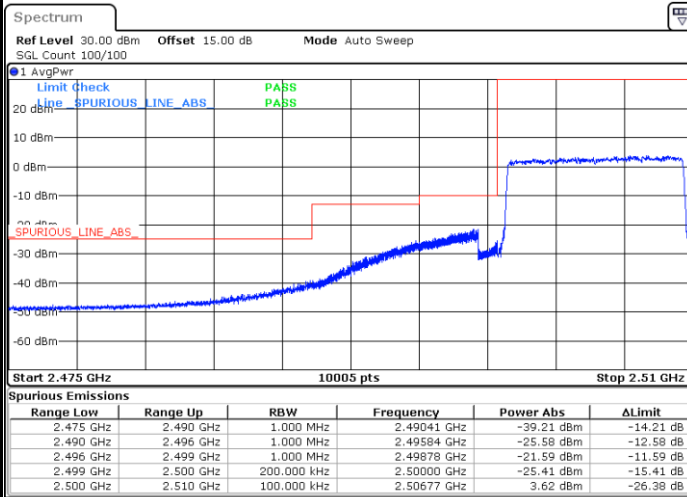
Date: 7. DEC. 2022 09:01:48

Highest Band Edge / 1 RB



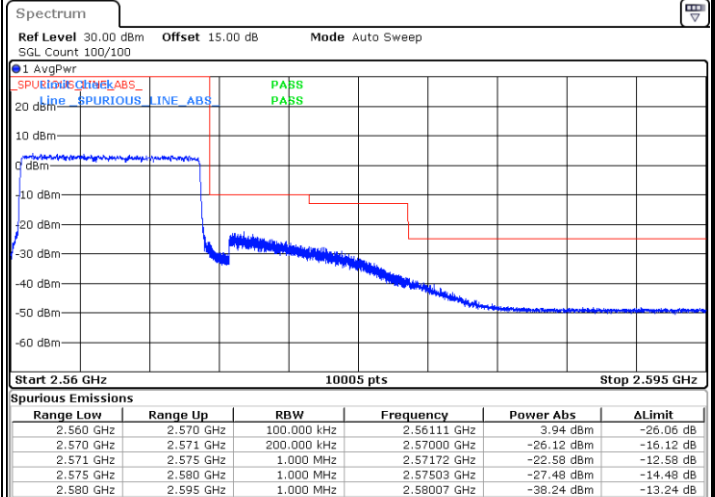
Date: 7. DEC. 2022 09:06:27

Lowest Band Edge / Full RB



Date: 7. DEC. 2022 09:02:26

Highest Band Edge / Full RB

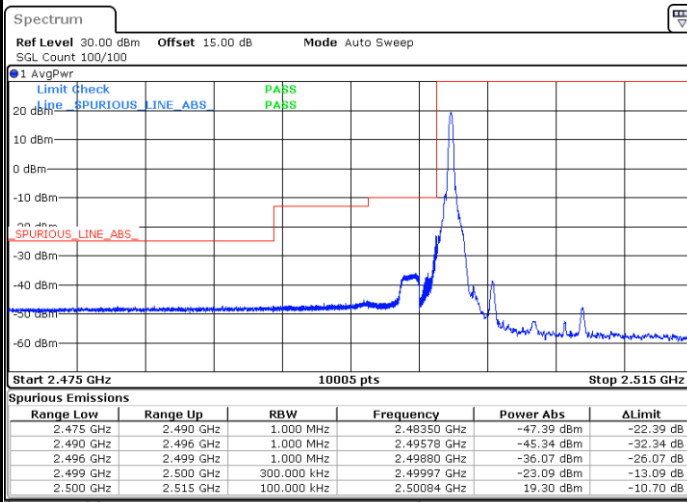


Date: 7. DEC. 2022 09:07:05



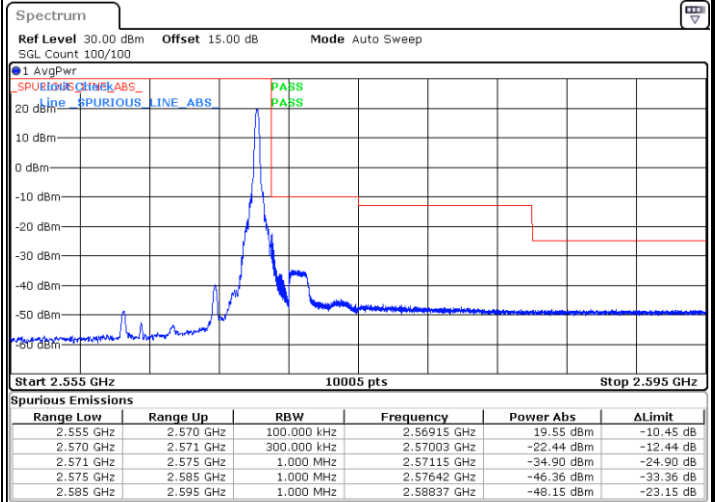
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



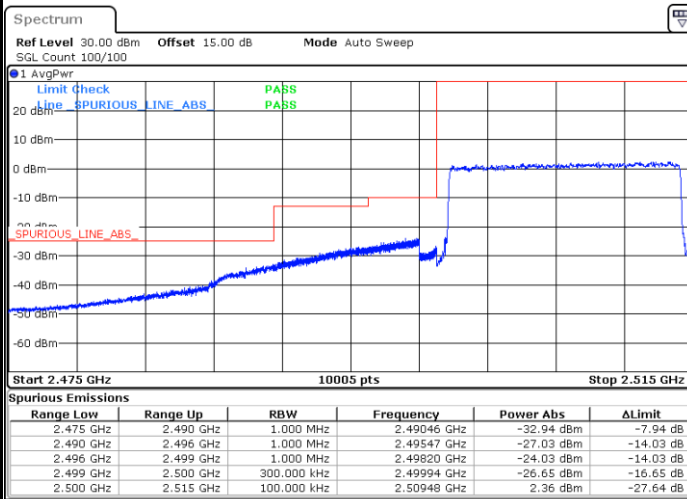
Date: 7. DEC. 2022 09:10:25

Highest Band Edge / 1 RB



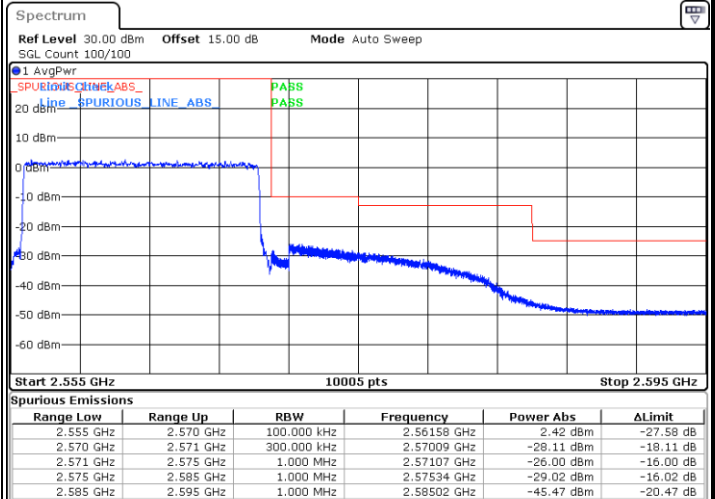
Date: 7. DEC. 2022 09:20:22

Lowest Band Edge / Full RB



Date: 7. DEC. 2022 09:11:42

Highest Band Edge / Full RB

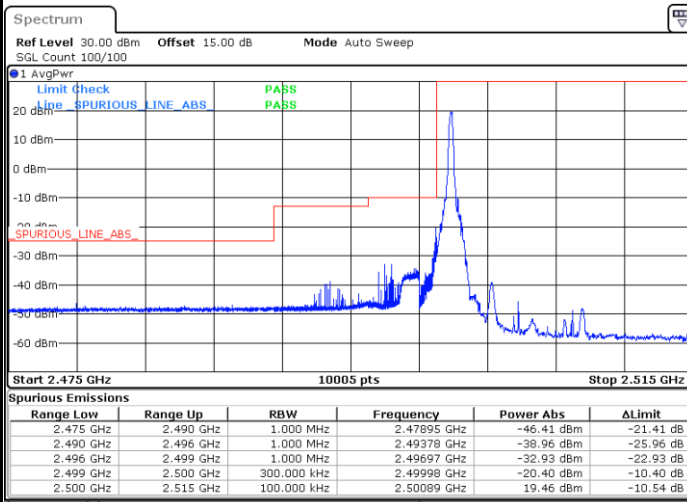


Date: 7. DEC. 2022 09:21:38



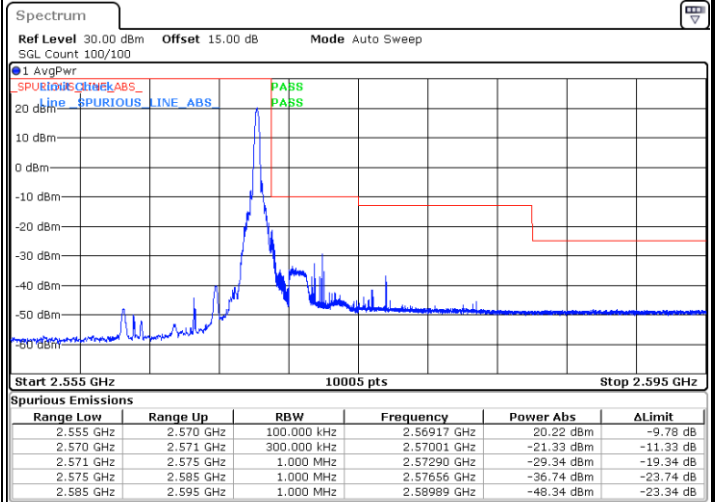
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



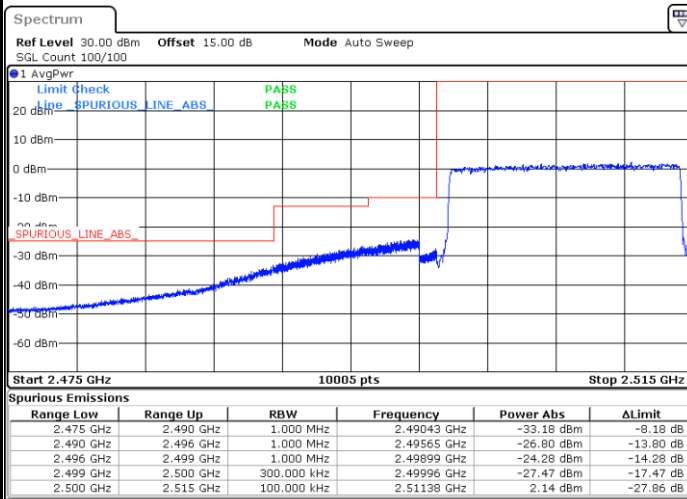
Date: 7.DEC.2022 09:11:04

Highest Band Edge / 1 RB



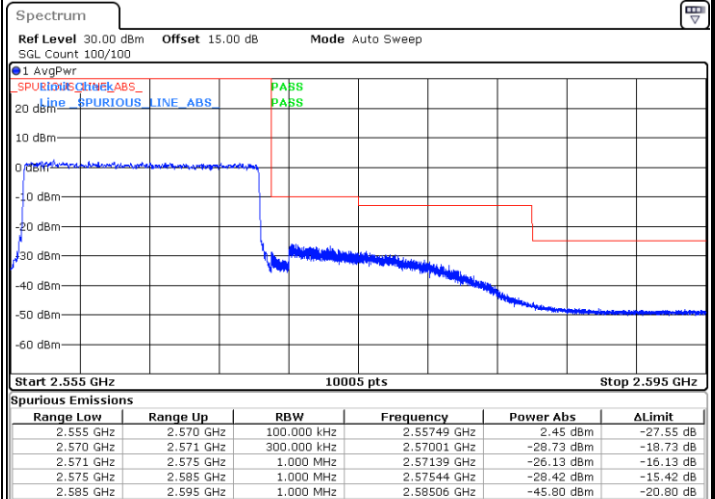
Date: 7.DEC.2022 09:20:59

Lowest Band Edge / Full RB



Date: 7.DEC.2022 09:12:21

Highest Band Edge / Full RB



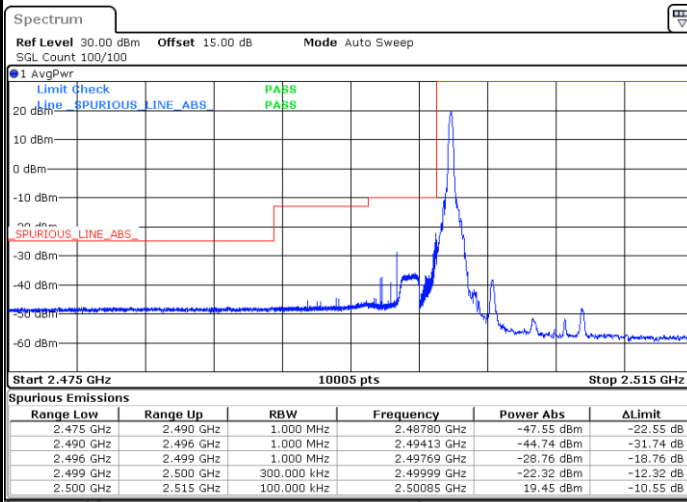
Date: 7.DEC.2022 09:22:16





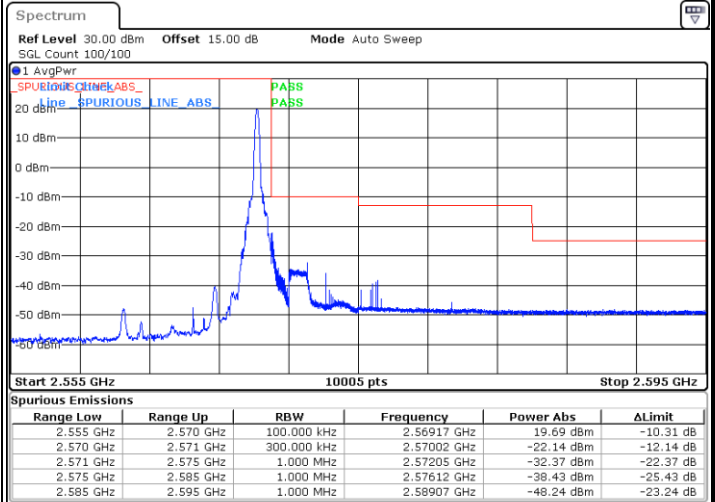
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



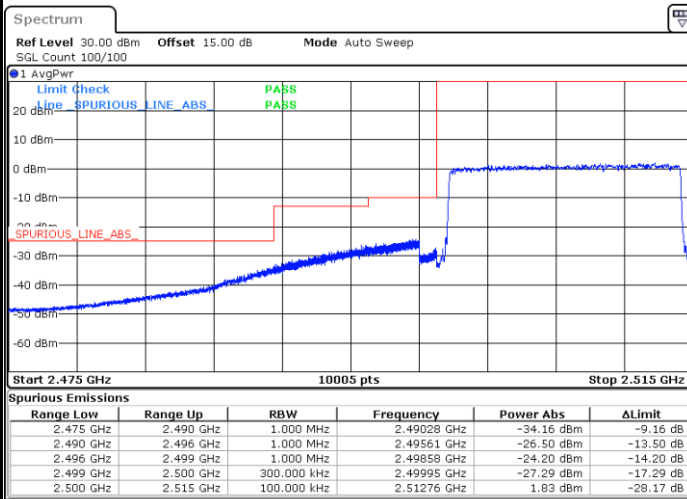
Date: 7.DEC.2022 09:25:38

Highest Band Edge / 1 RB



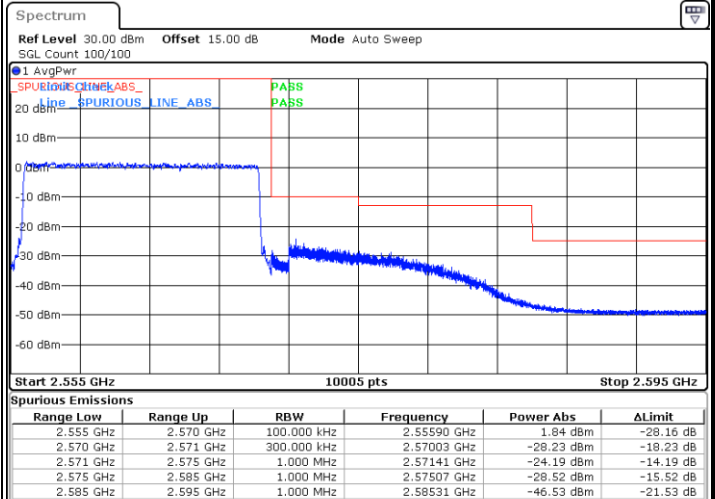
Date: 7.DEC.2022 09:30:17

Lowest Band Edge / Full RB



Date: 7.DEC.2022 09:26:17

Highest Band Edge / Full RB



Date: 7.DEC.2022 09:30:55

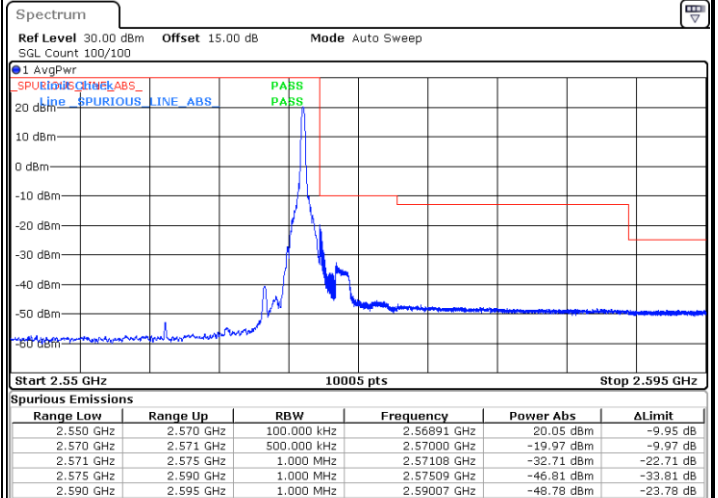
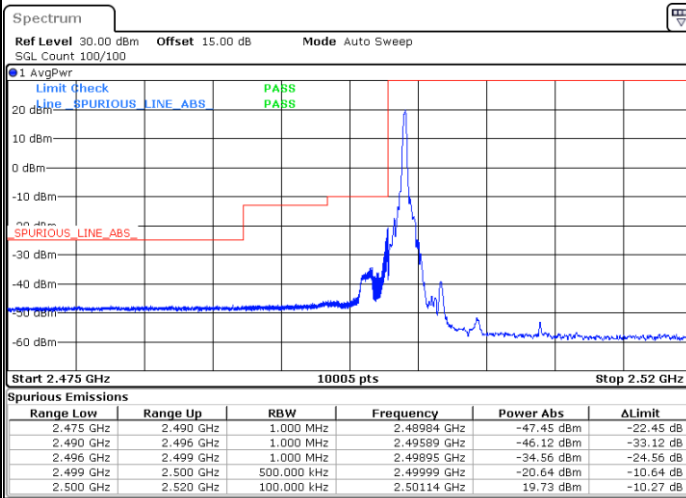




LTE Band 7 / 20MHz / QPSK

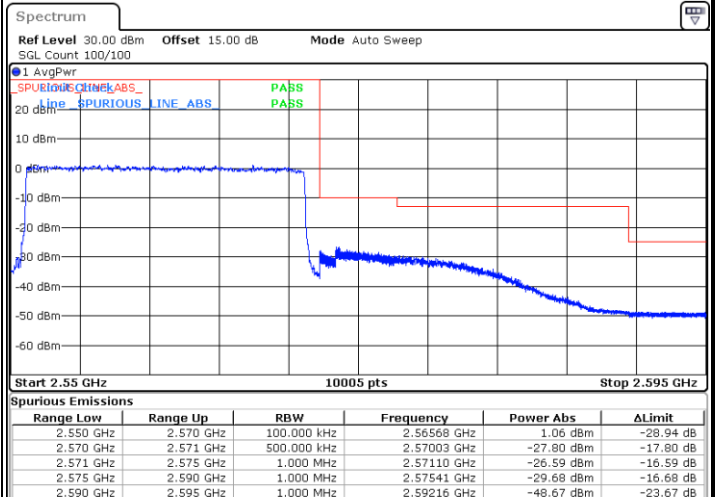
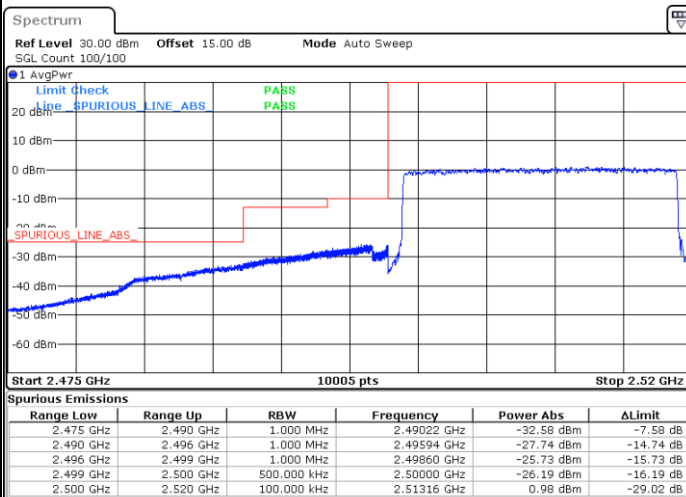
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

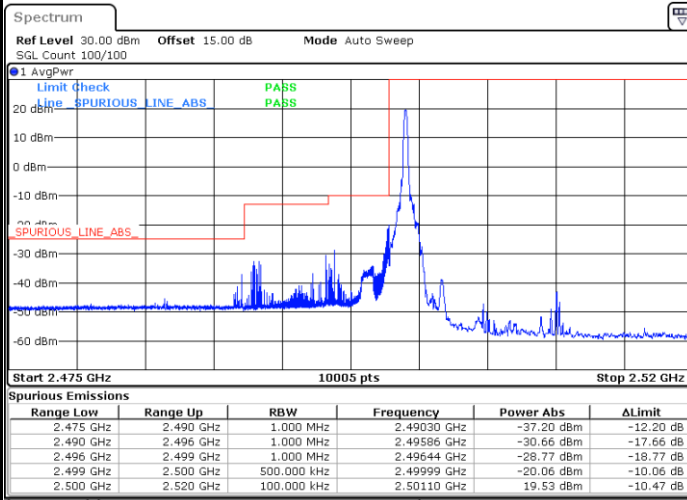
Highest Band Edge / Full RB





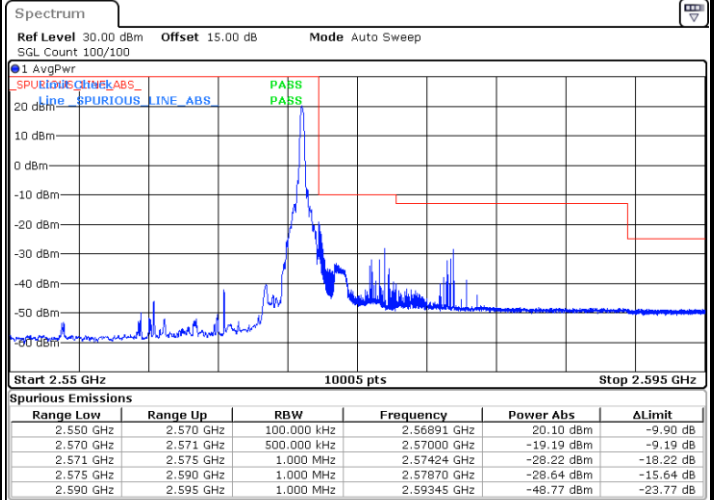
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



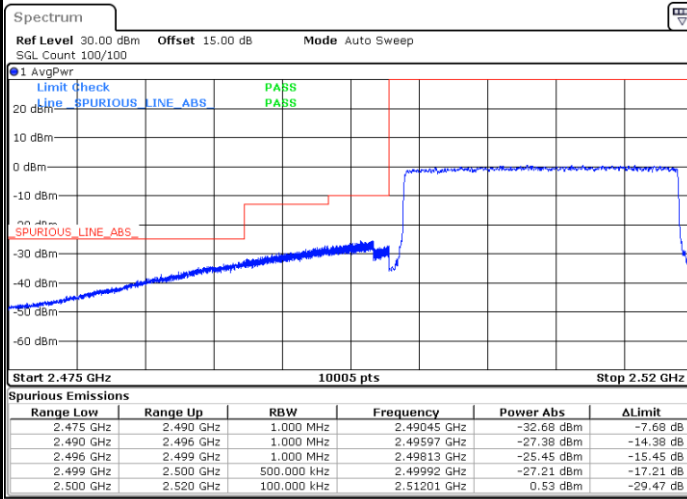
Date: 7. DEC. 2022 09:34:54

Highest Band Edge / 1RB



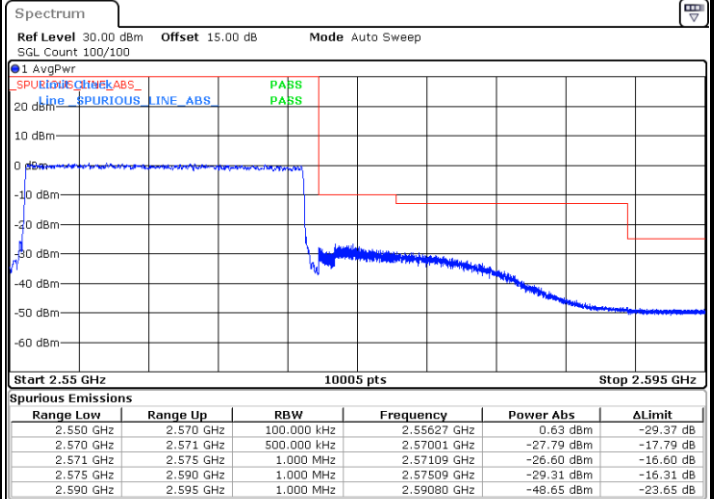
Date: 7. DEC. 2022 09:44:51

Lowest Band Edge / Full RB



Date: 7. DEC. 2022 09:36:12

Highest Band Edge / Full RB

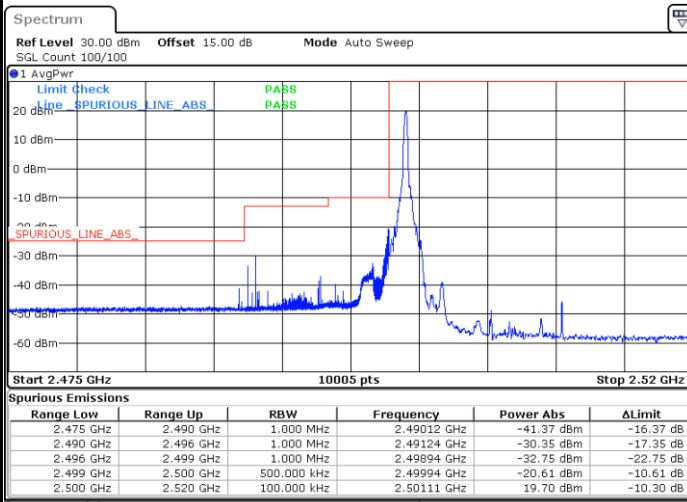


Date: 7. DEC. 2022 09:45:29



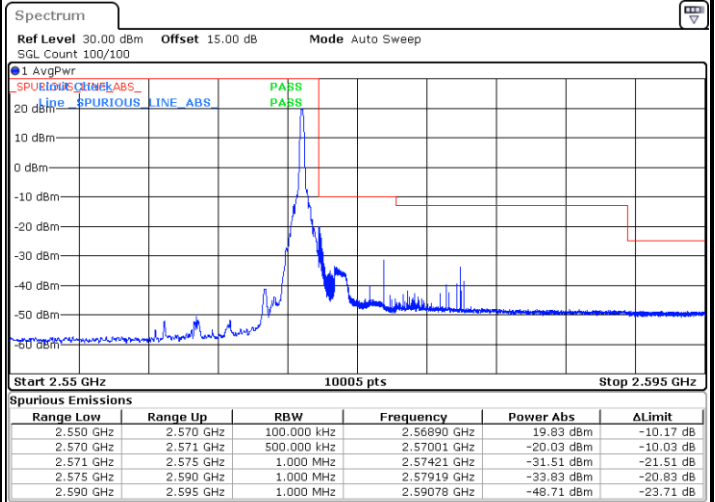
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



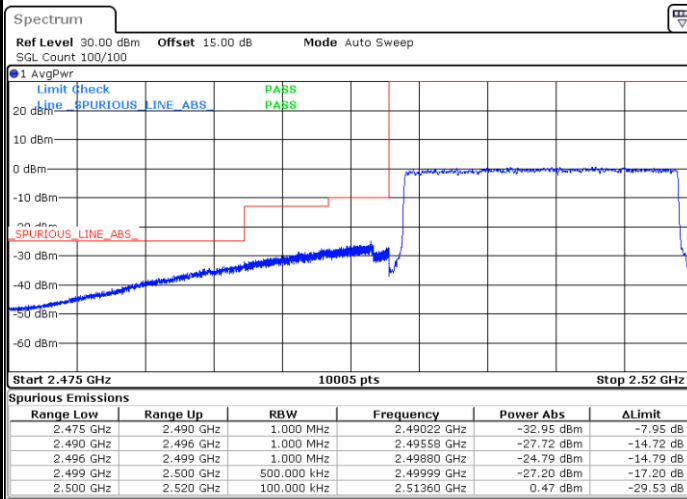
Date: 7.DEC.2022 09:49:30

Highest Band Edge / 1 RB



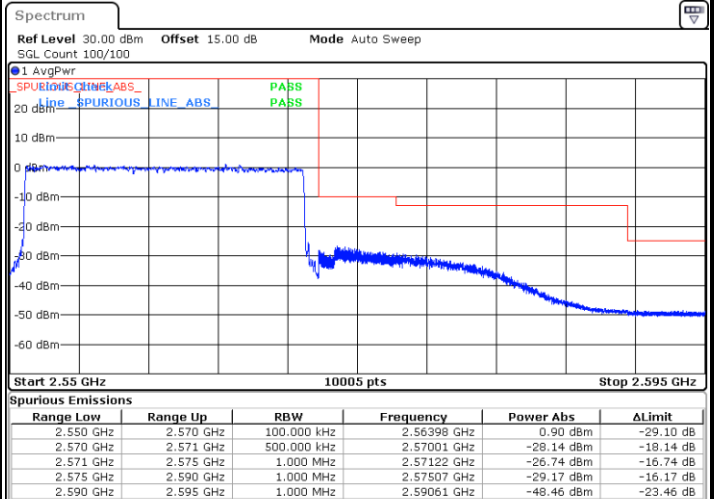
Date: 7.DEC.2022 09:54:10

Lowest Band Edge / Full RB



Date: 7.DEC.2022 09:50:09

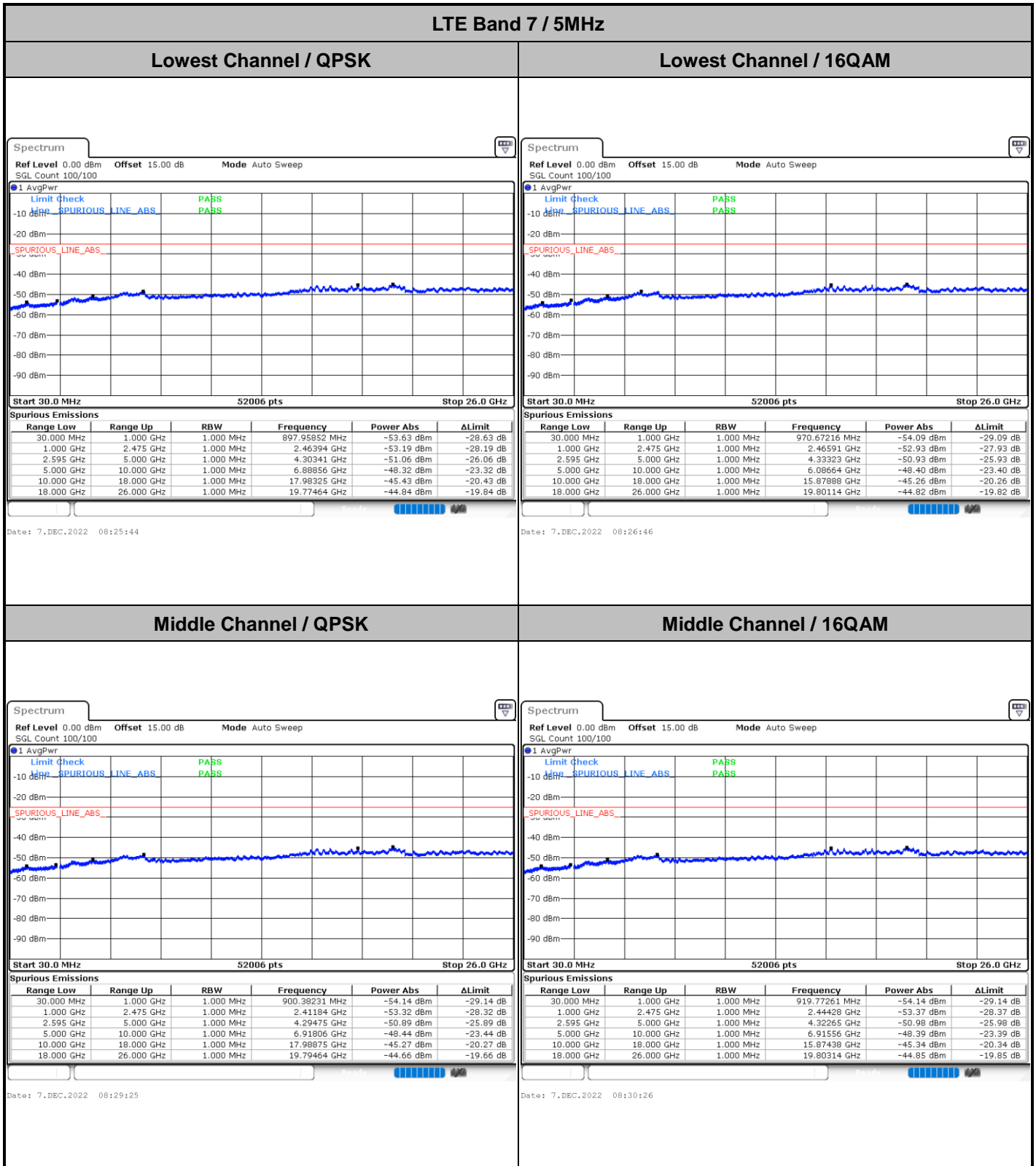
Highest Band Edge / Full RB



Date: 7.DEC.2022 09:54:48



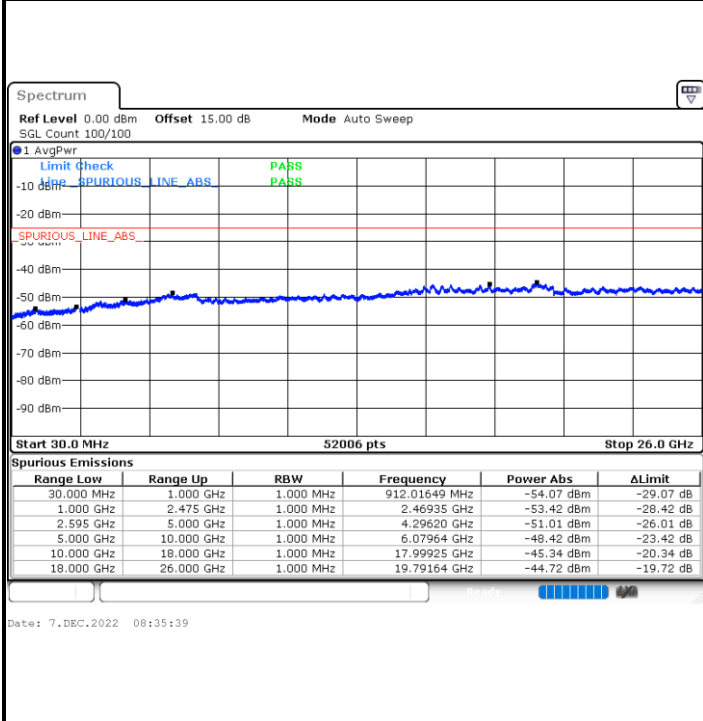
# Conducted Spurious Emission



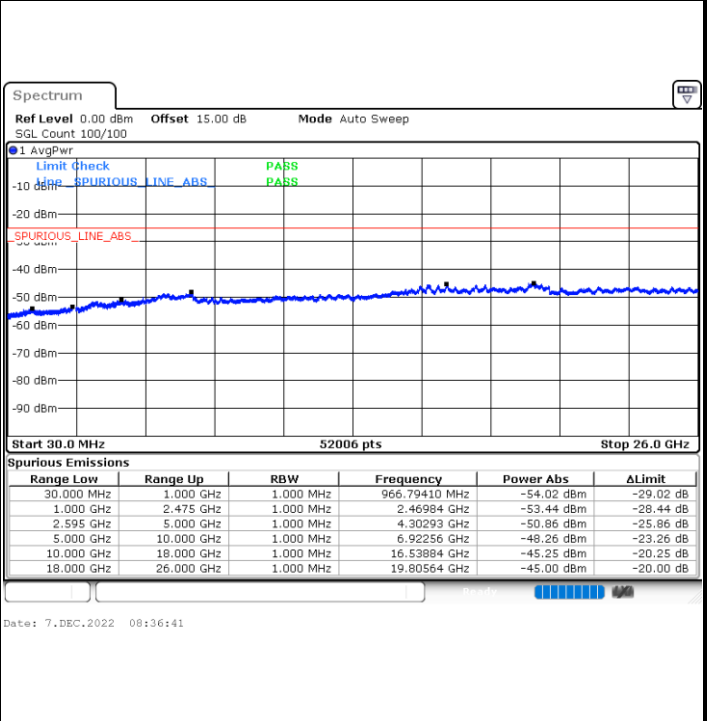


LTE Band 7 / 5MHz

Highest Channel / QPSK

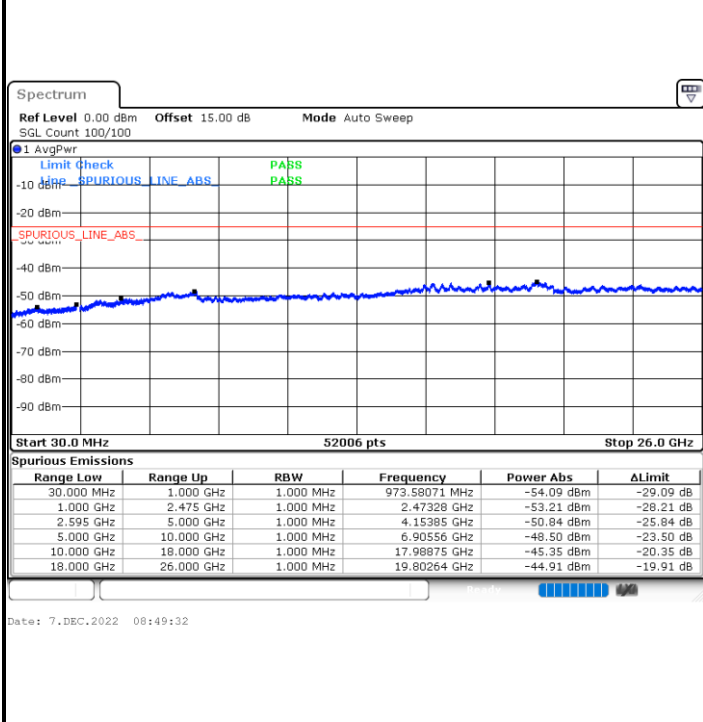


Highest Channel / 16QAM

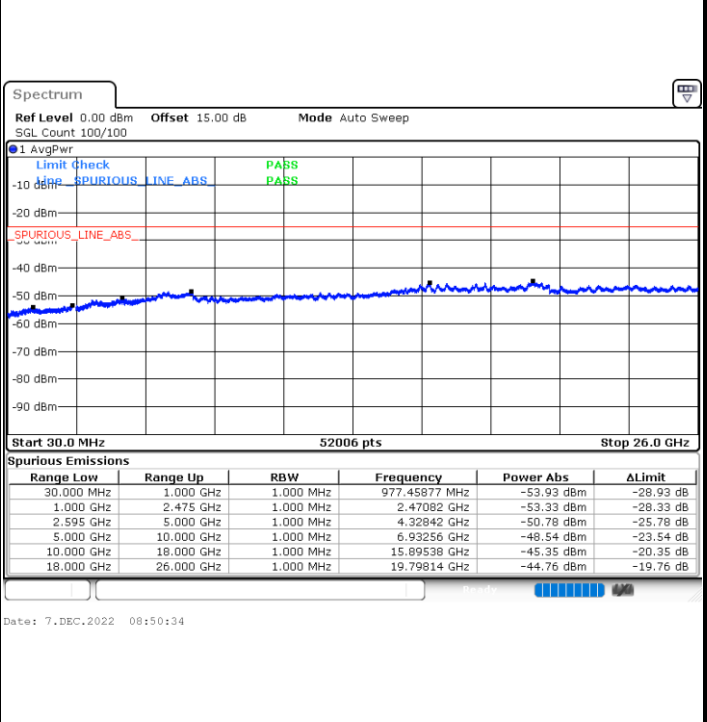


LTE Band 7 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

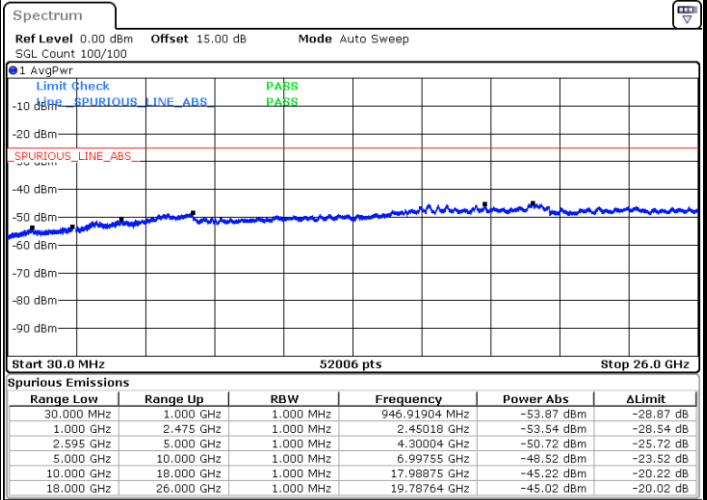
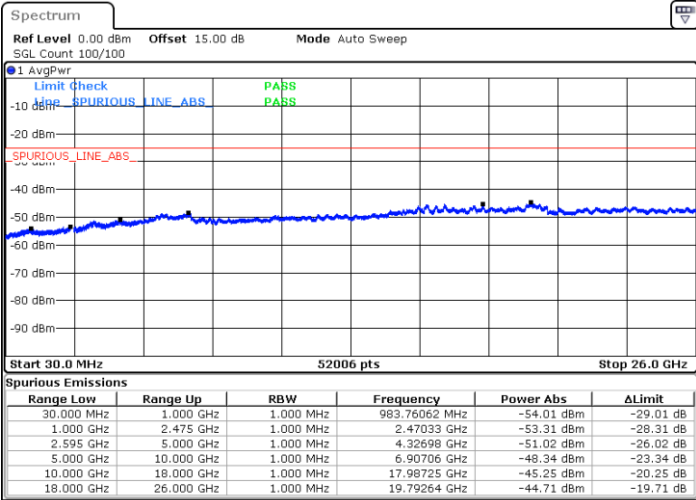




LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

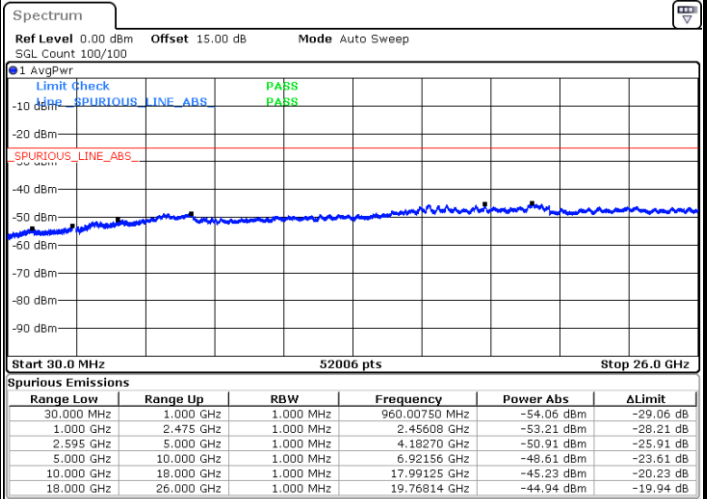
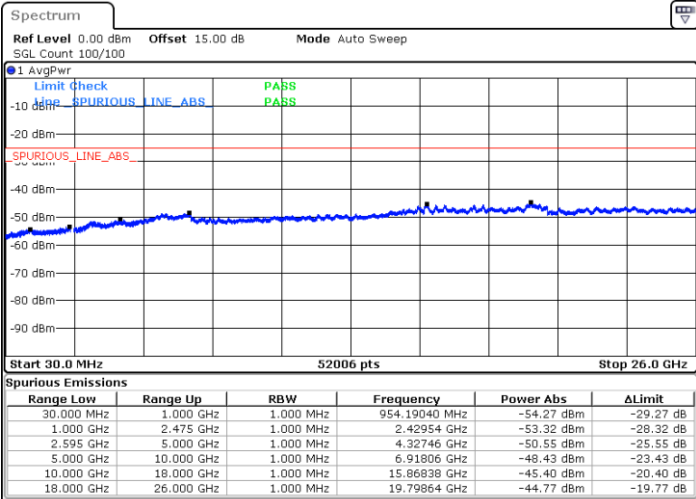


Date: 7. DEC. 2022 08:53:13

Date: 7. DEC. 2022 08:54:14

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7. DEC. 2022 08:59:27

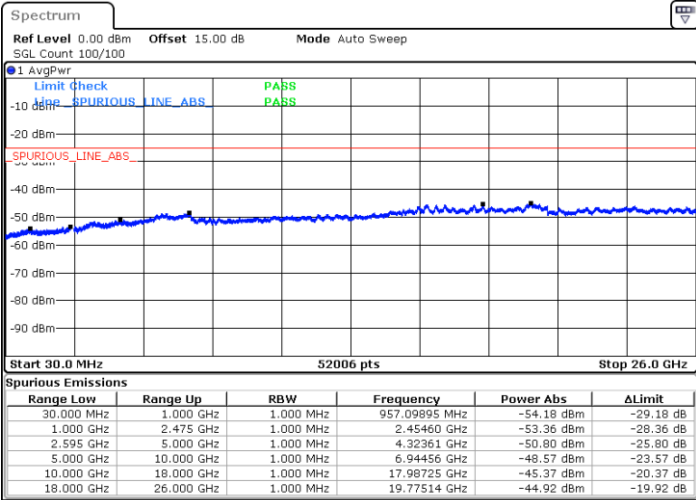
Date: 7. DEC. 2022 09:00:29



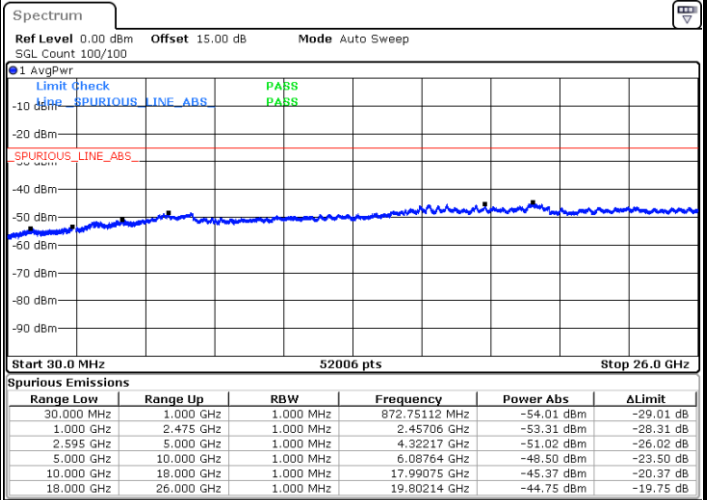
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



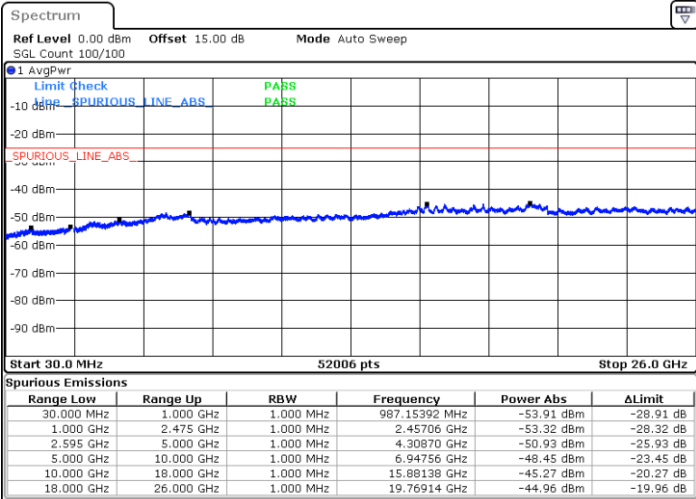
Date: 7. DEC. 2022 09:13:22



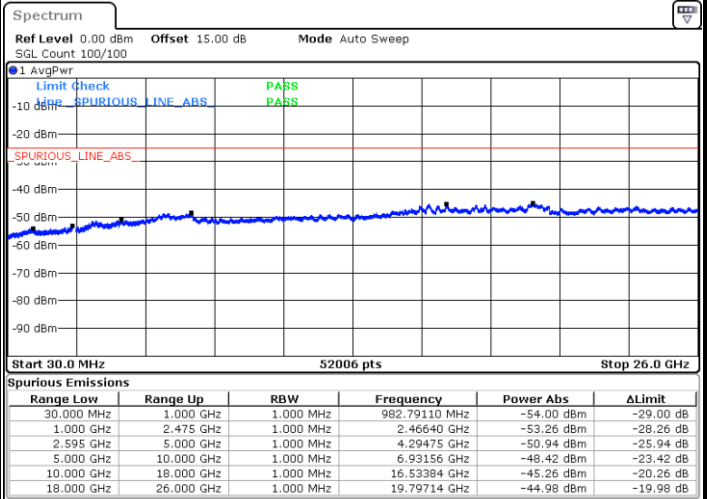
Date: 7. DEC. 2022 09:14:25

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 7. DEC. 2022 09:17:03



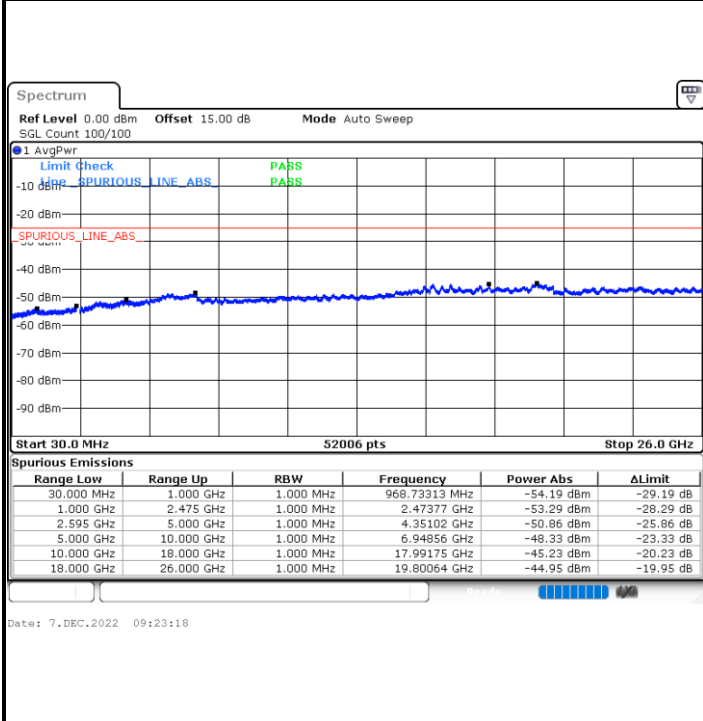
Date: 7. DEC. 2022 09:18:05



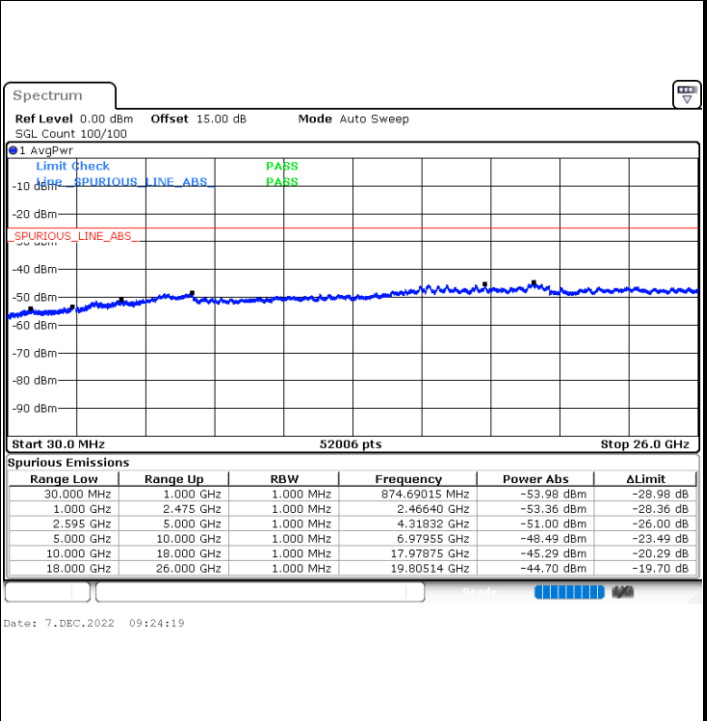


LTE Band7 / 15MHz

Highest Channel / QPSK

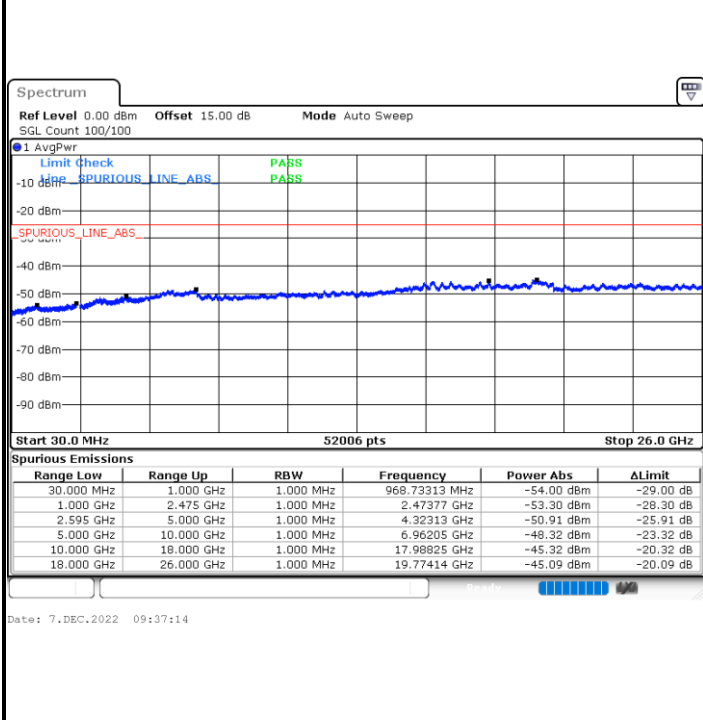


Highest Channel / 16QAM

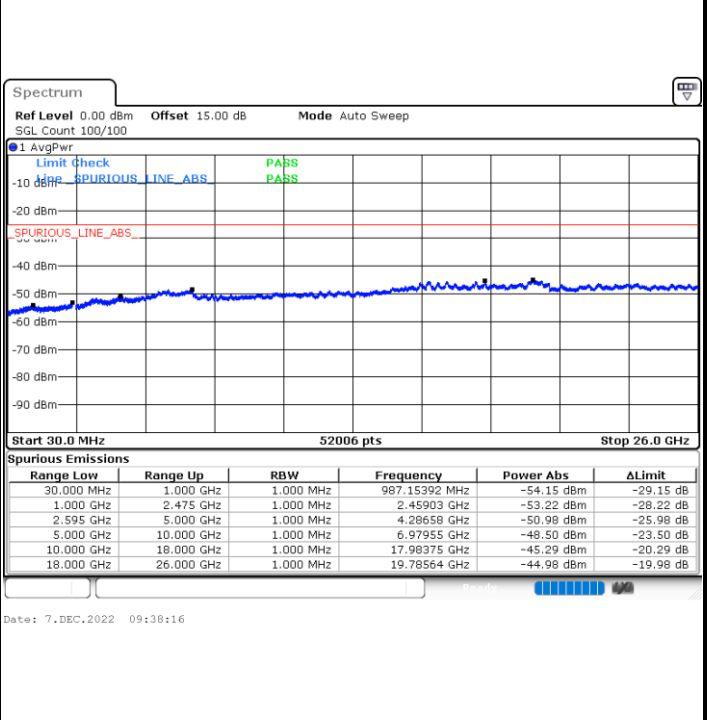


LTE Band 7 / 20MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

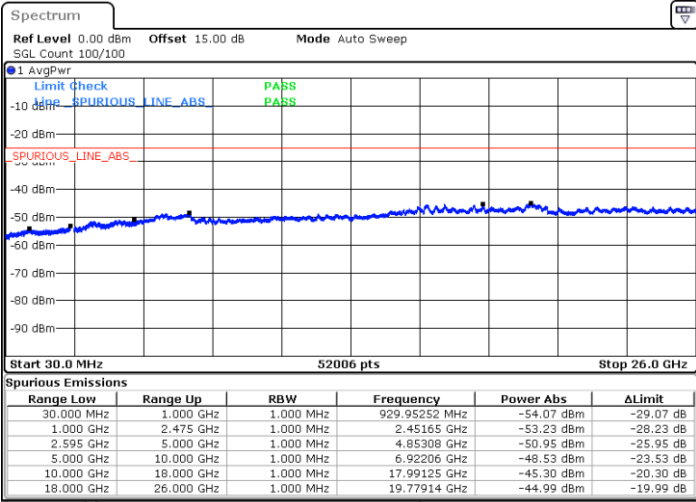




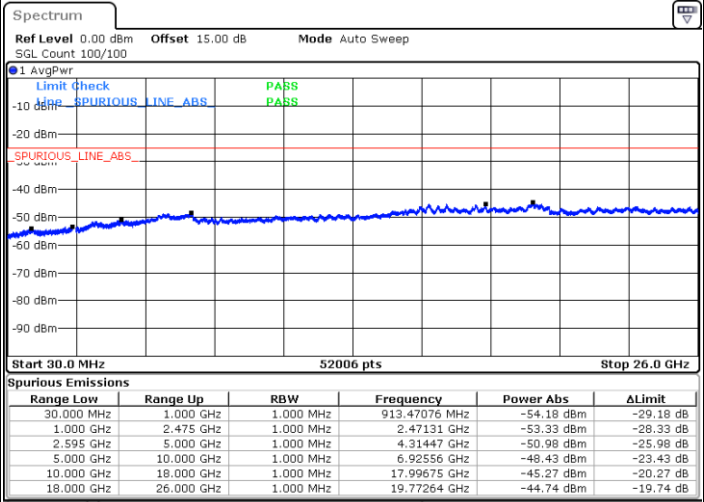
LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



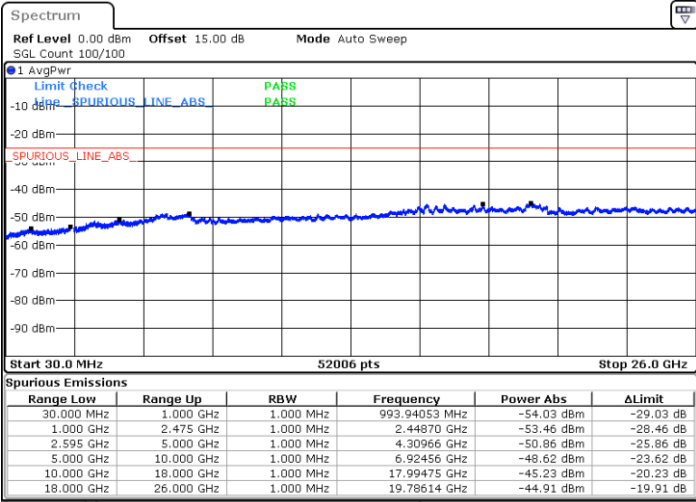
Date: 7.DEC.2022 09:40:54



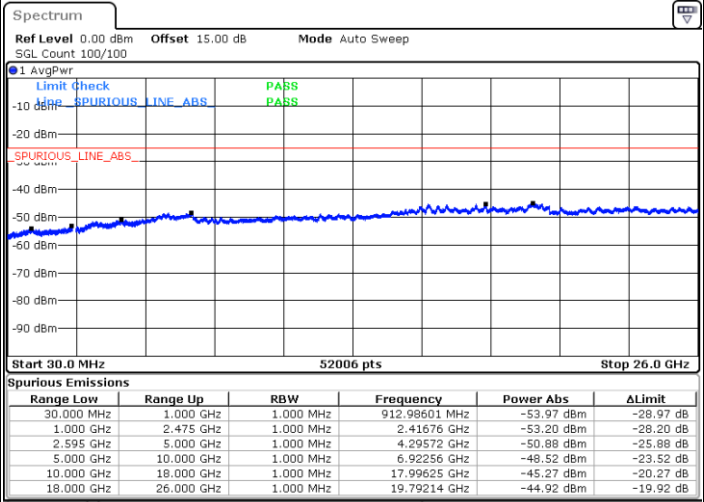
Date: 7.DEC.2022 09:41:56

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7.DEC.2022 09:47:09



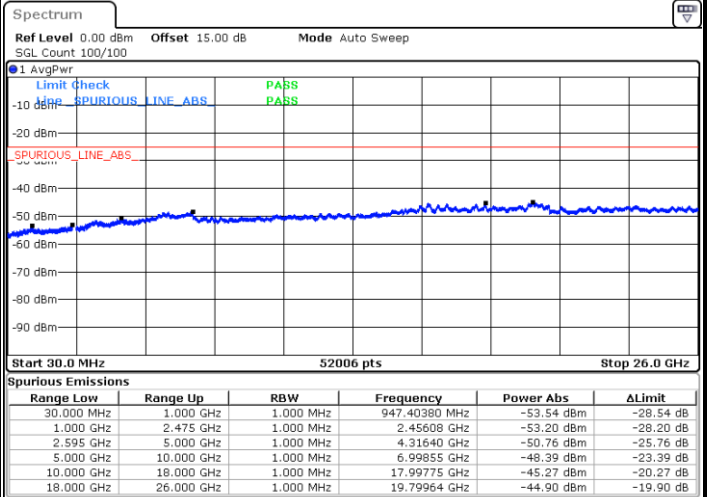
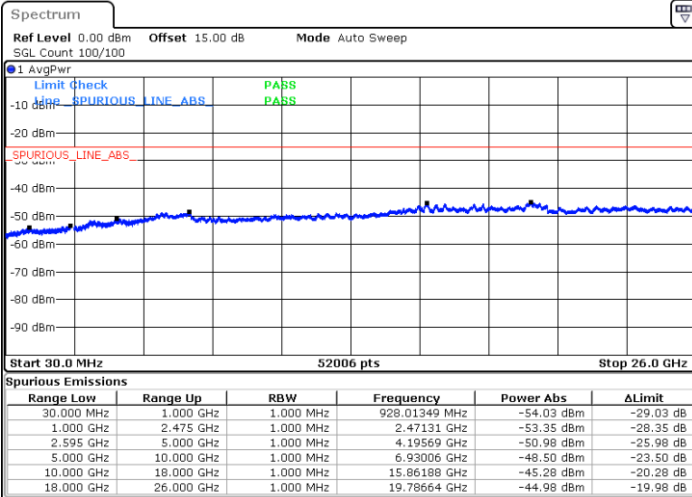
Date: 7.DEC.2022 09:48:11



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

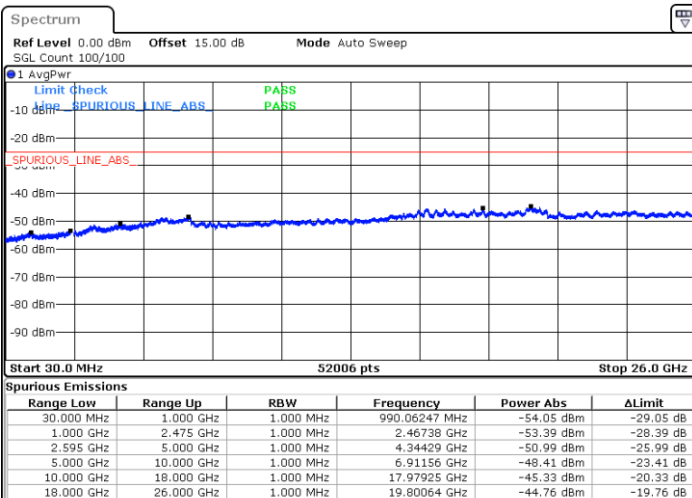
Middle Channel / 64QAM



Date: 7.DEC.2022 08:39:40

Date: 7.DEC.2022 08:41:21

Highest Channel / 64QAM



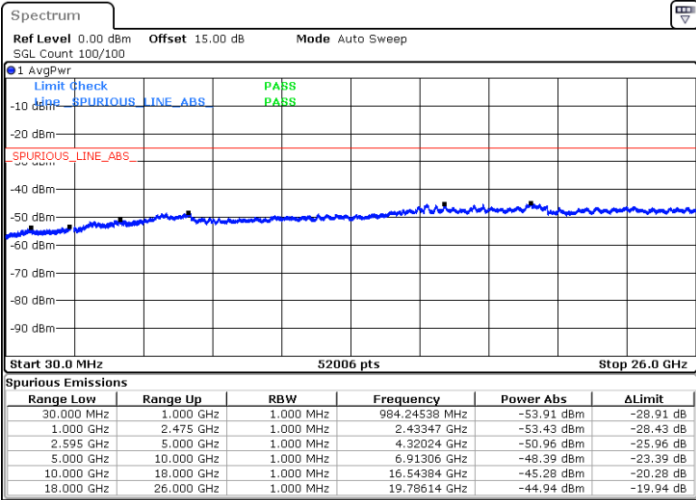
Date: 7.DEC.2022 08:44:18



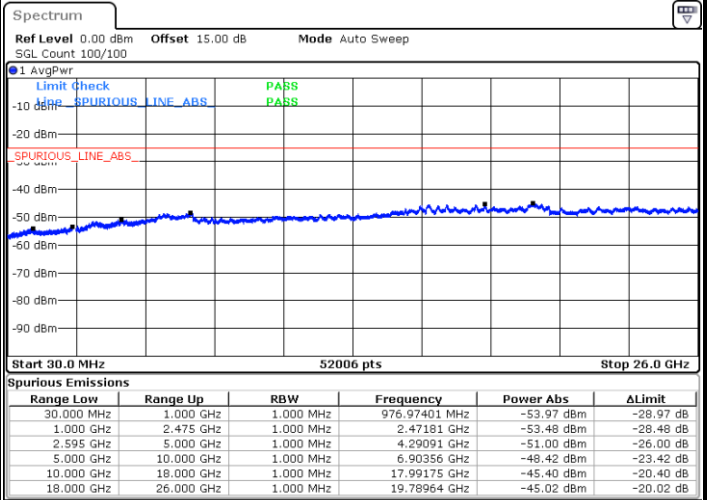
LTE Band 7 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

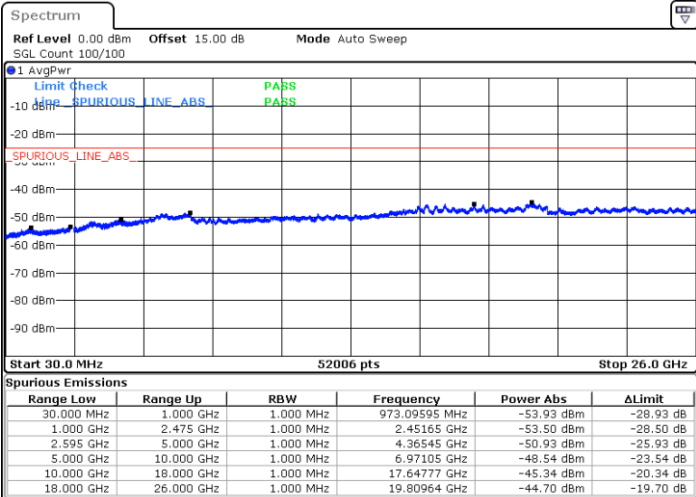


Date: 7.DEC.2022 09:03:28



Date: 7.DEC.2022 09:05:09

Highest Channel / 64QAM



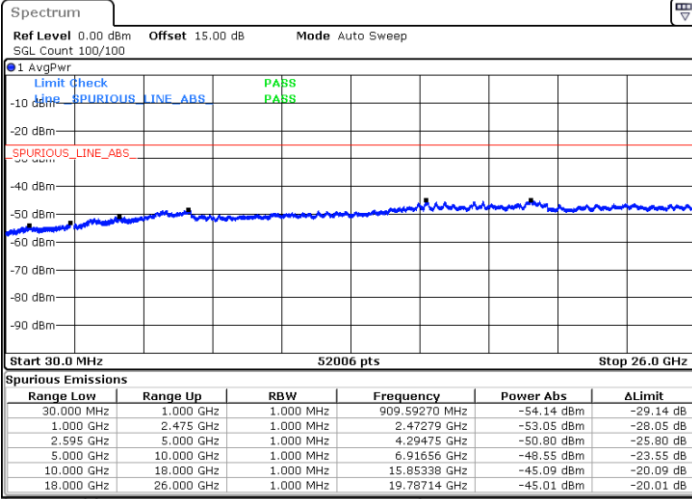
Date: 7.DEC.2022 09:08:06



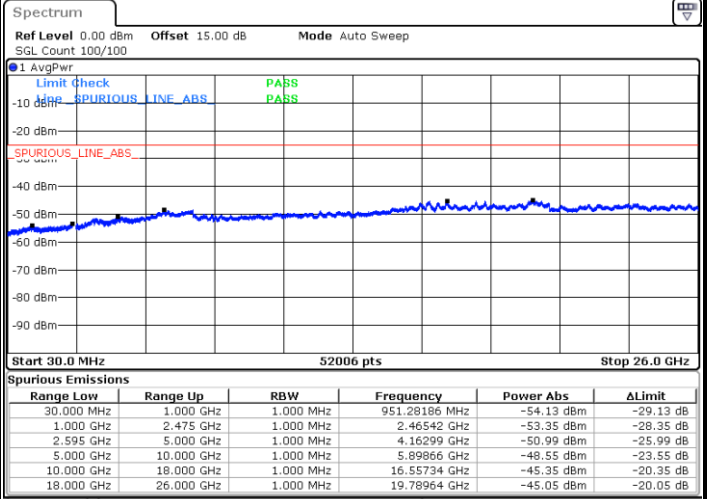
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

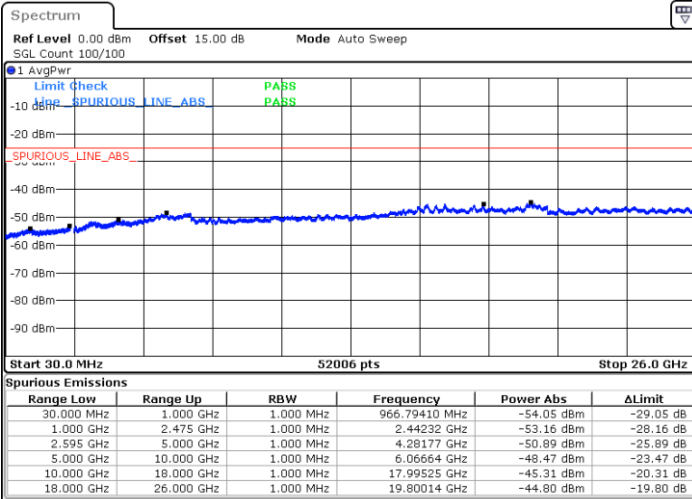


Date: 7.DEC.2022 09:27:18



Date: 7.DEC.2022 09:28:59

Highest Channel / 64QAM



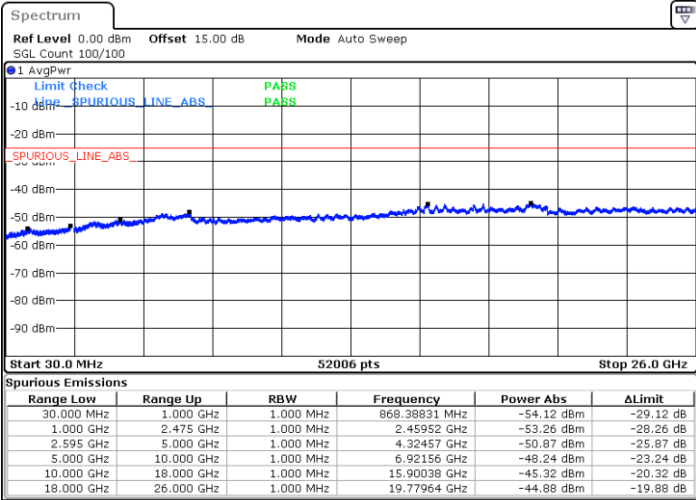
Date: 7.DEC.2022 09:31:57



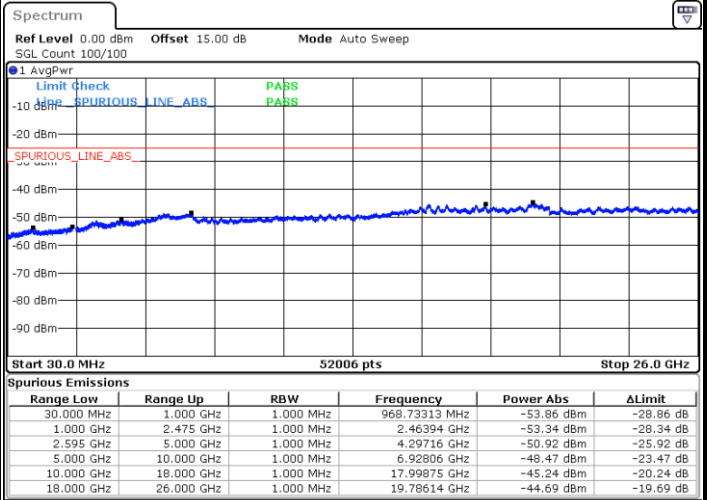
LTE Band 7 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

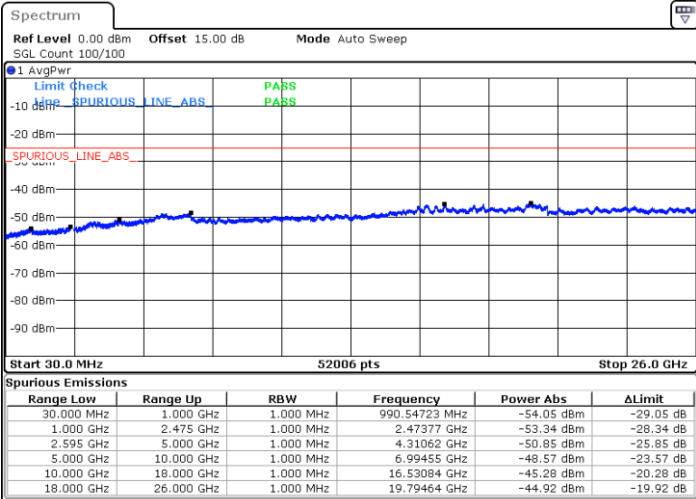


Date: 7.DEC.2022 09:51:11



Date: 7.DEC.2022 09:52:52

Highest Channel / 64QAM



Date: 7.DEC.2022 09:55:50



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	0.0004	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.





# LTE Band 7C

## 26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	30.09	25.48	31.29	35.11
Middle CH	30.03	25.33	30.99	34.90
Highest CH	30.09	25.33	31.23	35.11
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	35.11	39.96	-
Middle CH	30.21	35.04	39.96	-
Highest CH	30.21	35.18	40.12	-

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.97	25.38	30.69	34.90
Middle CH	29.97	25.28	30.69	35.04
Highest CH	29.91	25.28	30.63	34.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.09	35.18	39.80	-
Middle CH	30.09	35.25	39.96	-
Highest CH	30.21	35.04	39.96	-

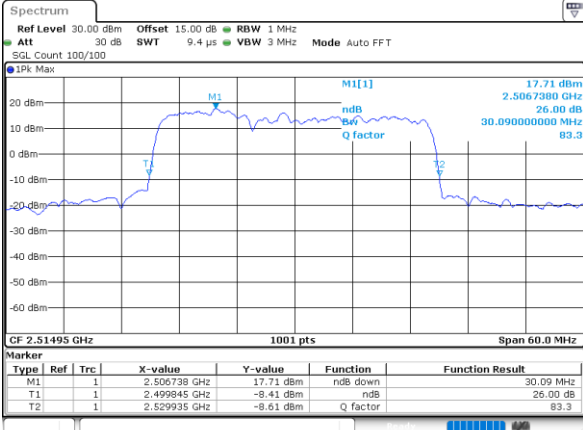
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.91	25.28	30.75	34.90
Middle CH	30.03	25.38	30.51	35.46
Highest CH	29.91	25.43	30.57	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.15	35.18	39.96	-
Middle CH	29.91	35.39	40.04	-
Highest CH	29.97	35.11	39.80	-



LTE Band 7C

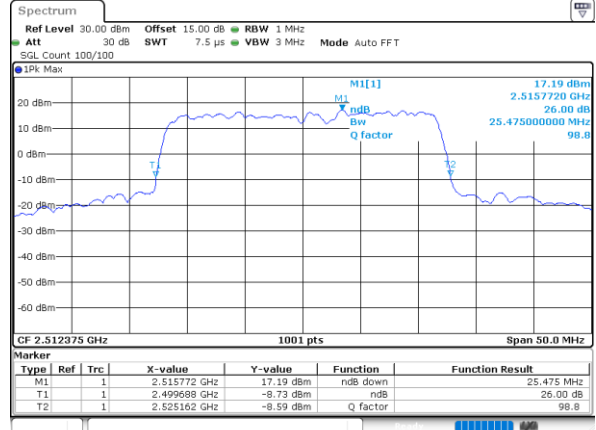
QPSK

Lowest Channel / 10MHz+20MHz



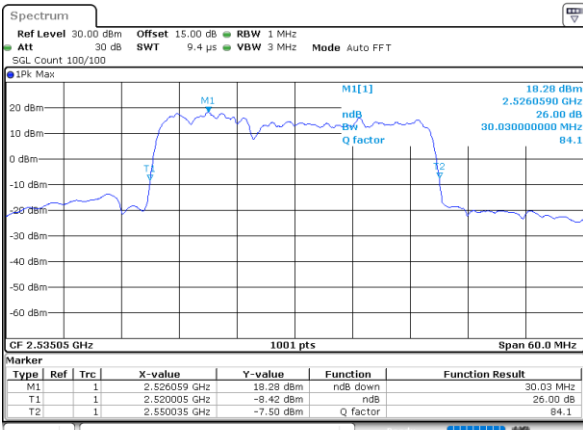
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Lowest Channel / 15MHz+10MHz



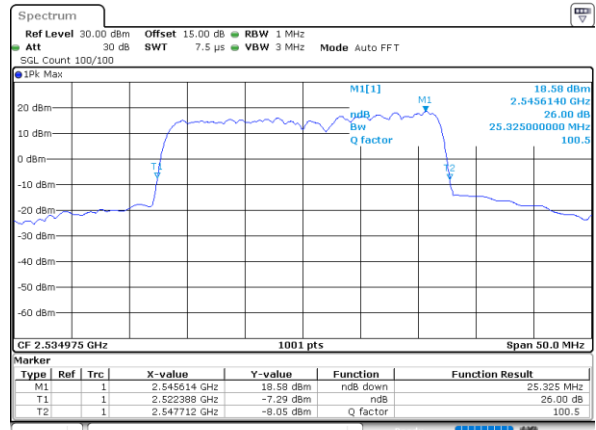
Date: 15, DEC, 2022 14:50:43

Middle Channel / 10MHz+20MHz



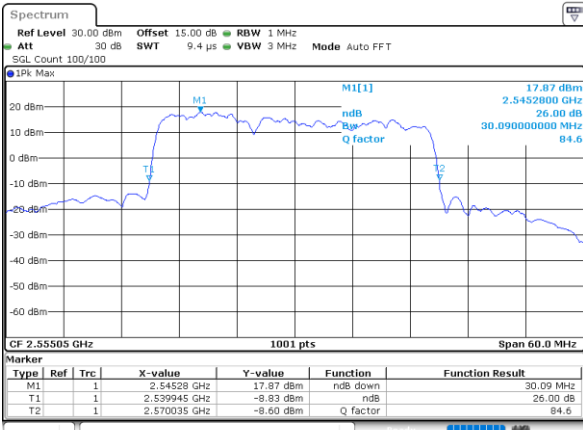
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Middle Channel / 15MHz+10MHz



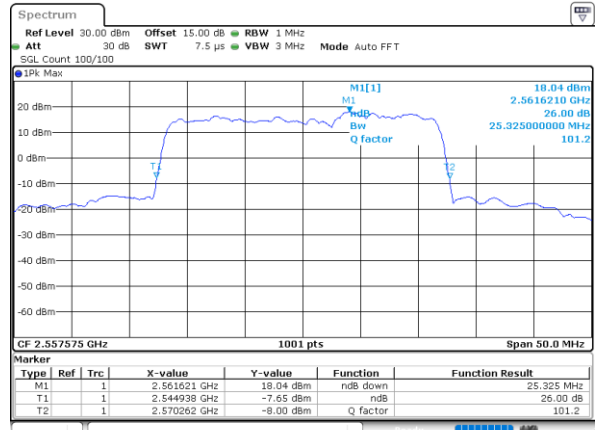
Date: 15, DEC, 2022 15:11:33

Highest Channel / 10MHz+20MHz



Date: 15, DEC, 2022 09:32:05

Highest Channel / 15MHz+10MHz



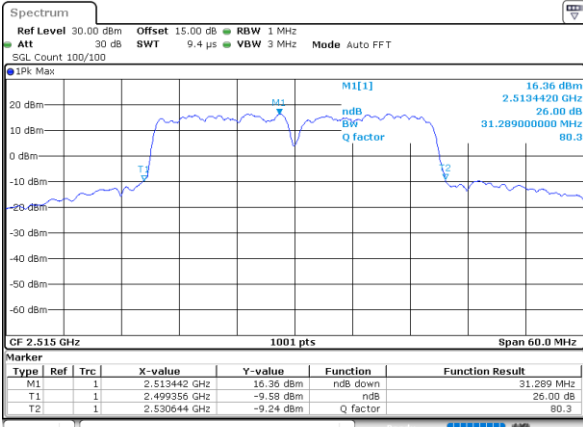
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LTE Band 7C

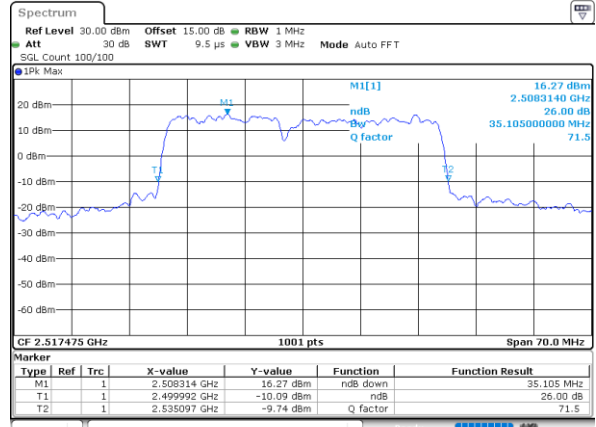
QPSK

Lowest Channel / 15MHz+15MHz



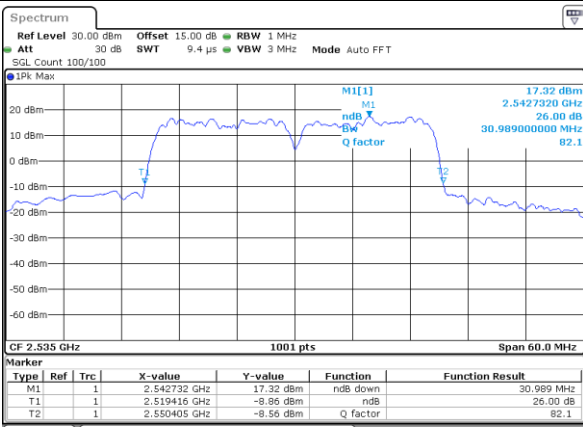
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Lowest Channel / 15MHz+20MHz



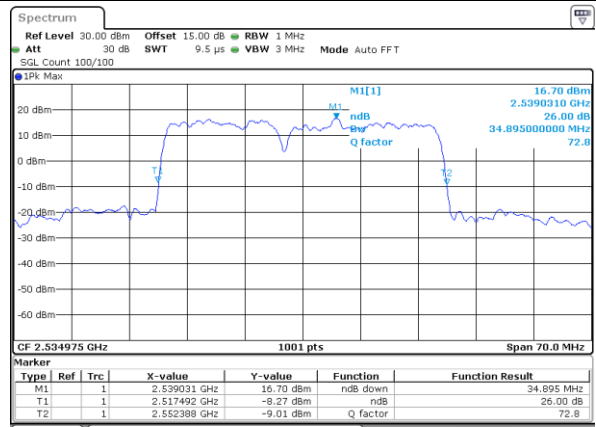
Date: 15, DEC, 2022 12:02:26

Middle Channel / 15MHz+15MHz



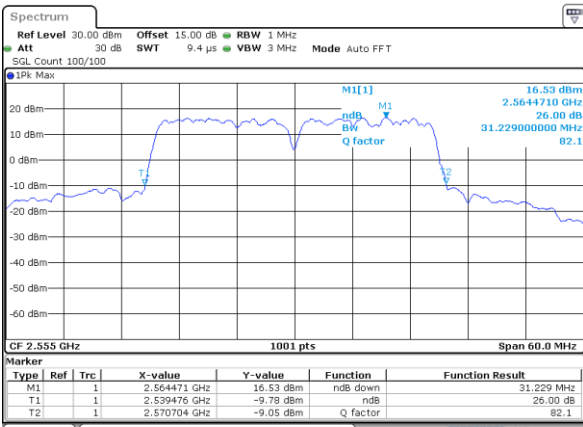
Date: 15, DEC, 2022 11:26:59

Middle Channel / 15MHz+20MHz



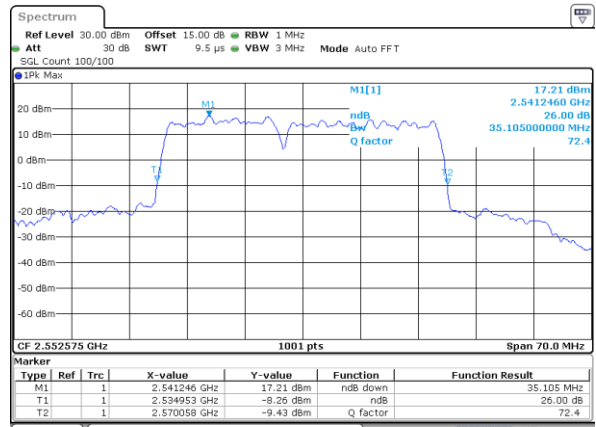
Date: 15, DEC, 2022 12:24:00

Highest Channel / 15MHz+15MHz



Date: 15, DEC, 2022 11:39:50

Highest Channel / 15MHz+20MHz



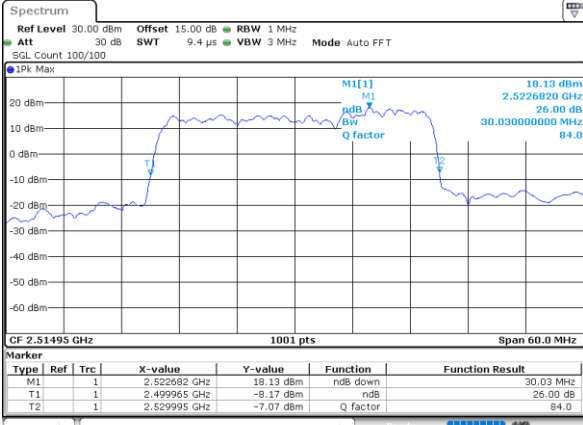
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LTE Band 7C

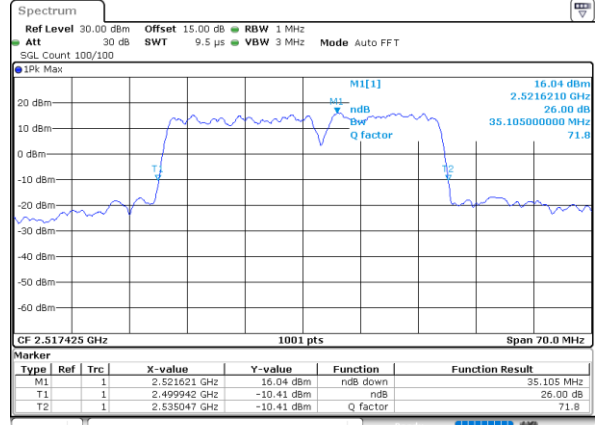
QPSK

Lowest Channel / 20MHz+10MHz



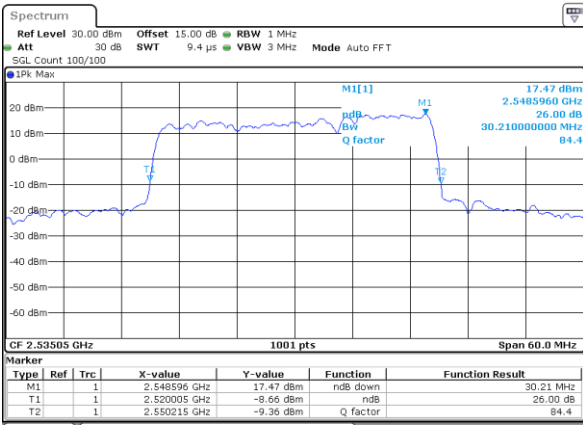
Date: 15, DEC, 2022 09:54:30

Lowest Channel / 20MHz+15MHz



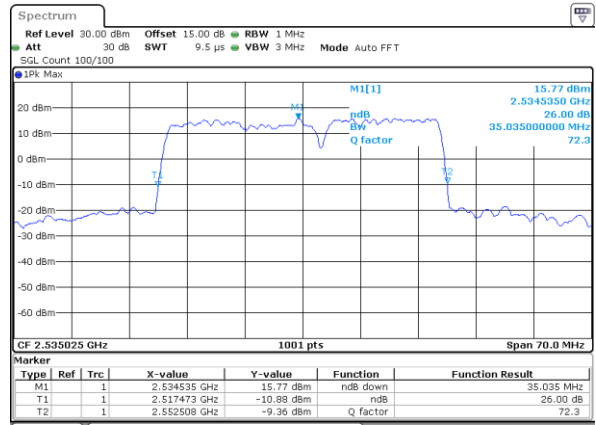
Date: 15, DEC, 2022 12:59:19

Middle Channel / 20MHz+10MHz



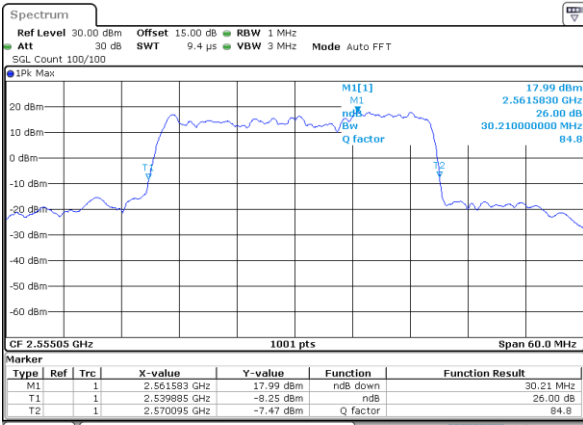
Date: 15, DEC, 2022 10:15:54

Middle Channel / 20MHz+15MHz



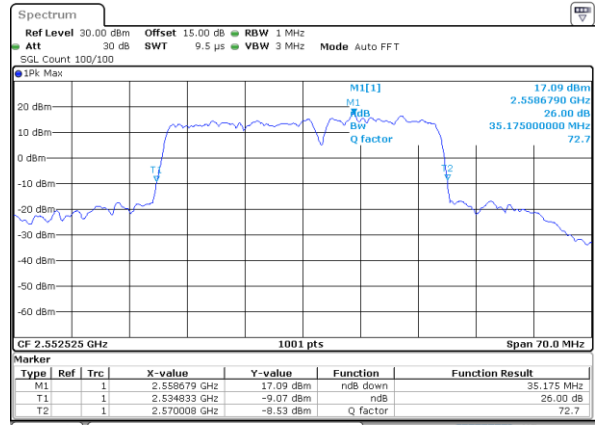
Date: 15, DEC, 2022 13:20:40

Highest Channel / 20MHz+10MHz



Date: 15, DEC, 2022 10:28:43

Highest Channel / 20MHz+15MHz



Date: 15, DEC, 2022 13:33:27

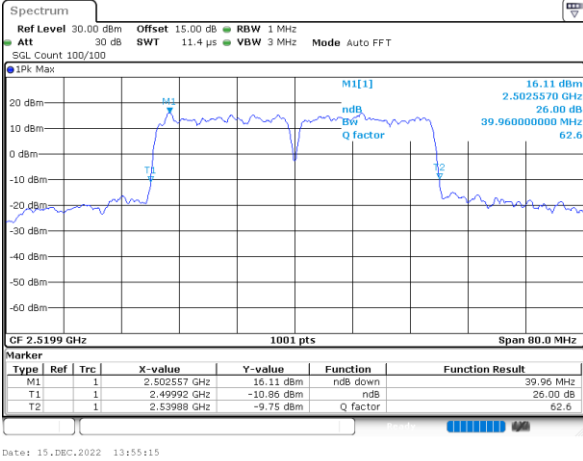


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

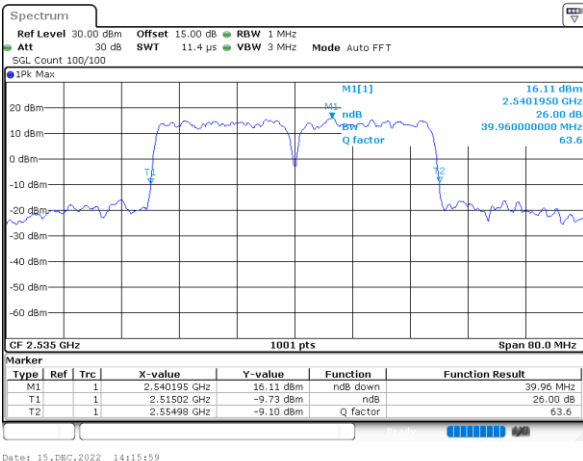
N/A



Date: 15, DEC, 2022 13:55:15

Middle Channel / 20MHz+20MHz

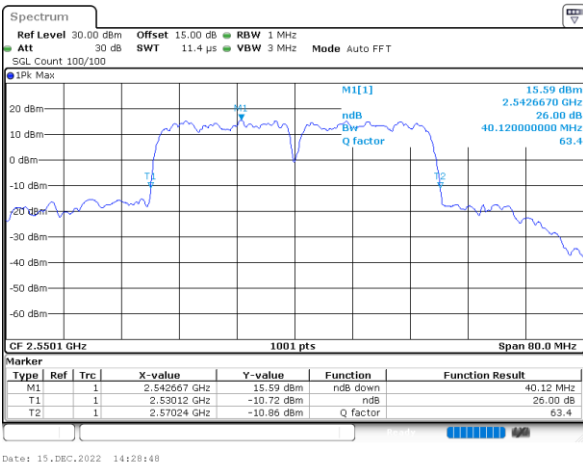
N/A



Date: 15, DEC, 2022 14:15:59

Highest Channel / 20MHz+20MHz

N/A



Date: 15, DEC, 2022 14:28:48