

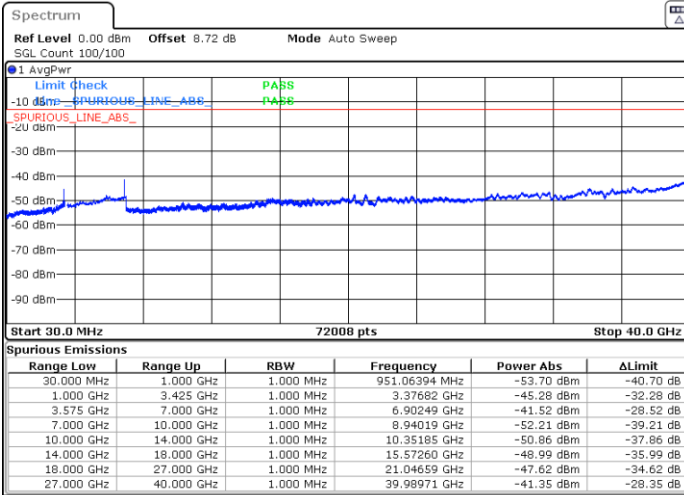


LTE Band 42/ 10MHz

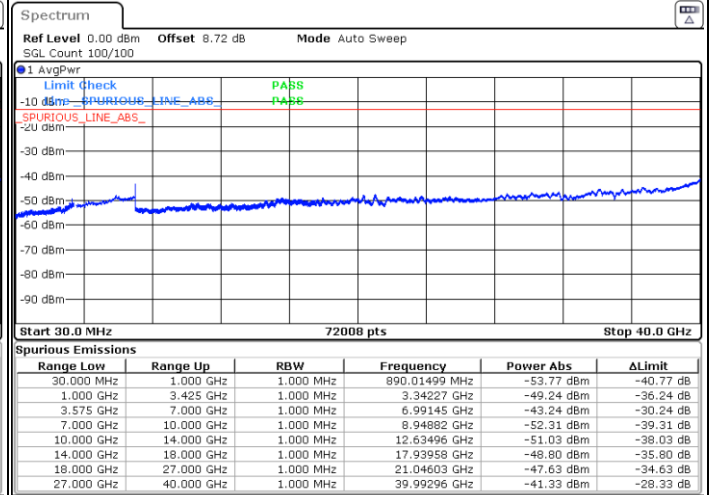
QPSK / 1RB0

Lowest Channel

Middle Channel

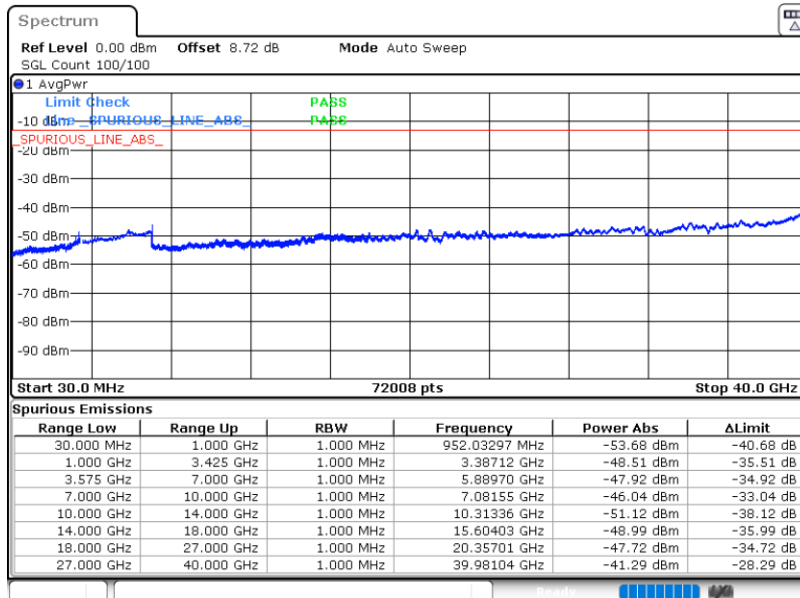


Date: 7.NOV.2024 15:11:50



Date: 7.NOV.2024 15:13:10

Highest Channel



Date: 7.NOV.2024 15:14:30

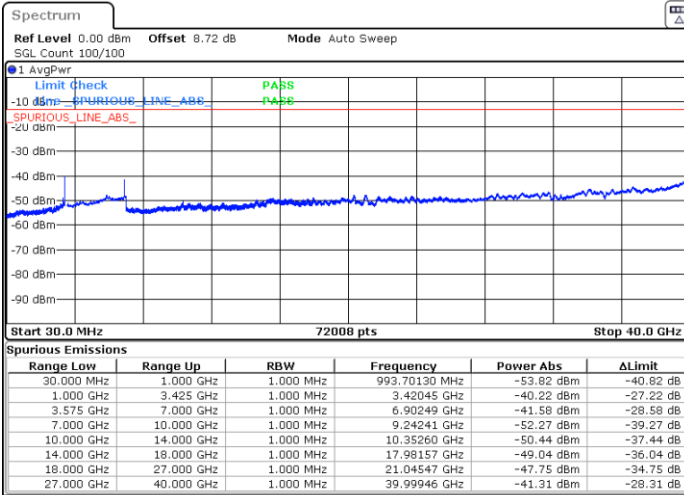


LTE Band 42/ 15MHz

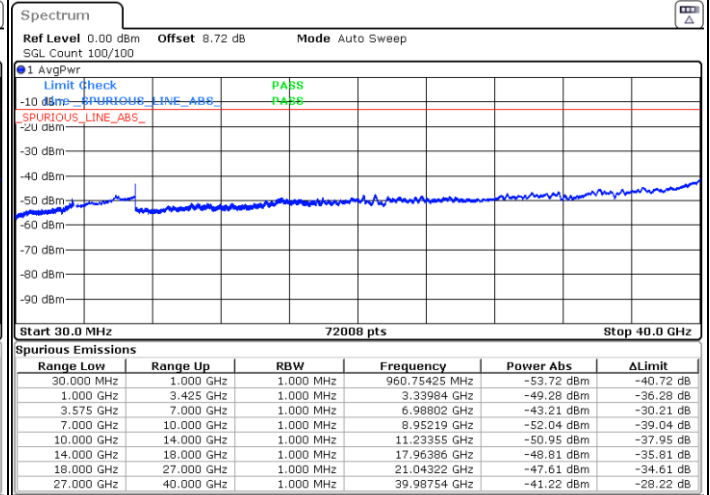
QPSK / 1RB0

Lowest Channel

Middle Channel

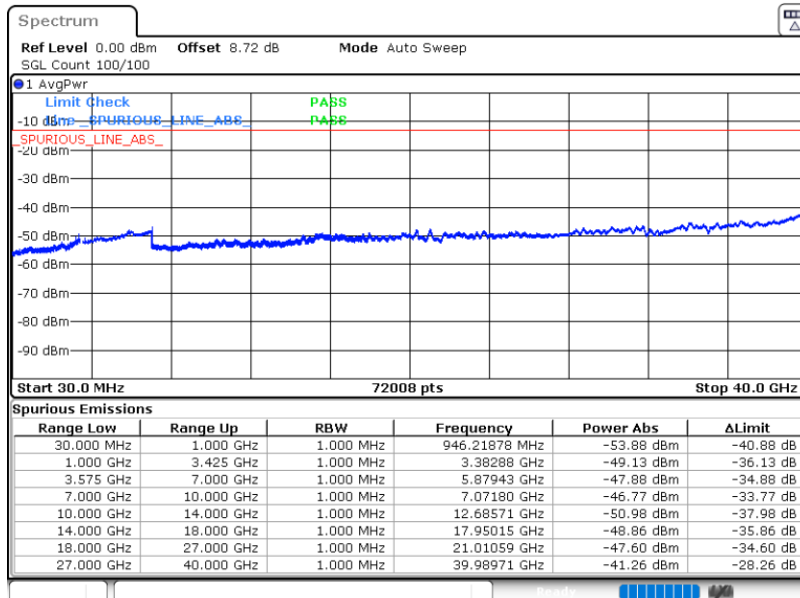


Date: 7.NOV.2024 15:15:50



Date: 7.NOV.2024 15:17:10

Highest Channel



Date: 7.NOV.2024 15:18:29

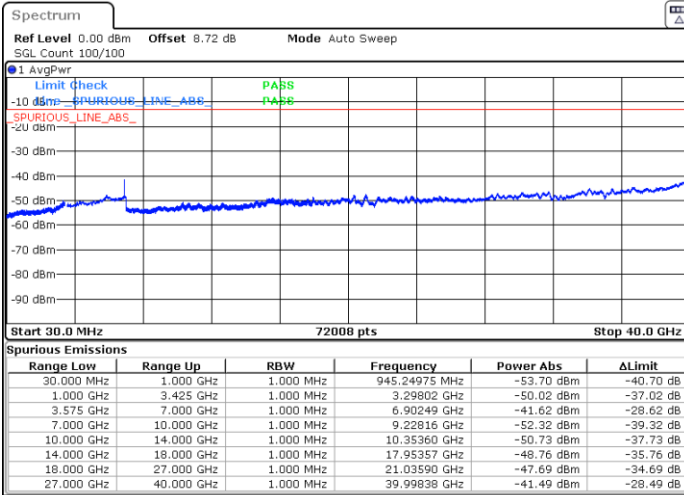


LTE Band 42/ 20MHz

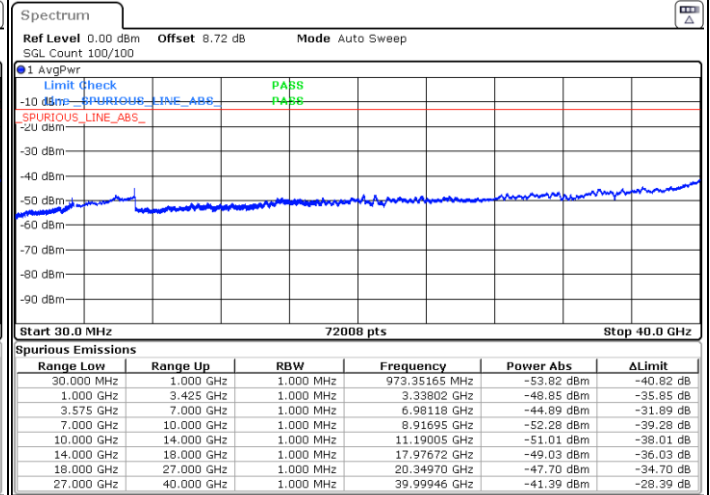
QPSK / 1RB0

Lowest Channel

Middle Channel

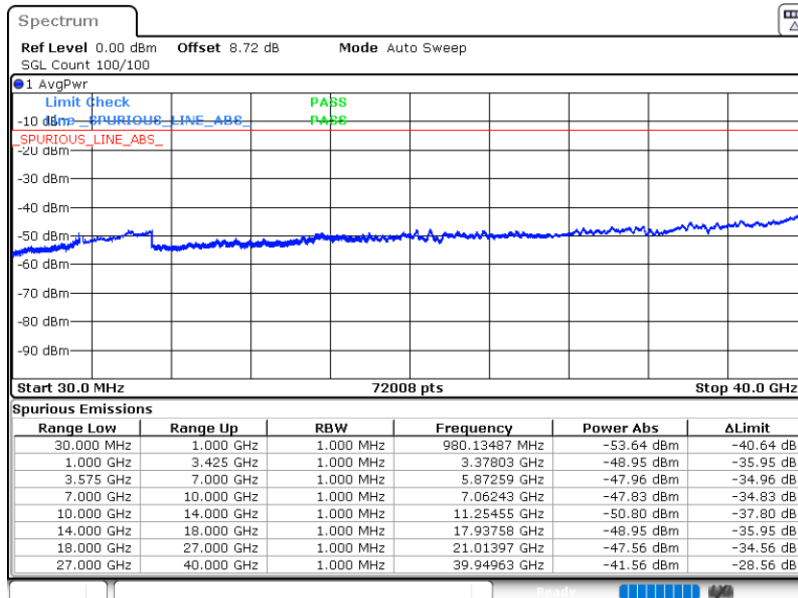


Date: 7.NOV.2024 15:19:50



Date: 7.NOV.2024 15:21:10

Highest Channel



Date: 7.NOV.2024 15:22:29

Frequency Stability

Test Conditions		LTE Band 42 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0054	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0059	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0046	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0015	

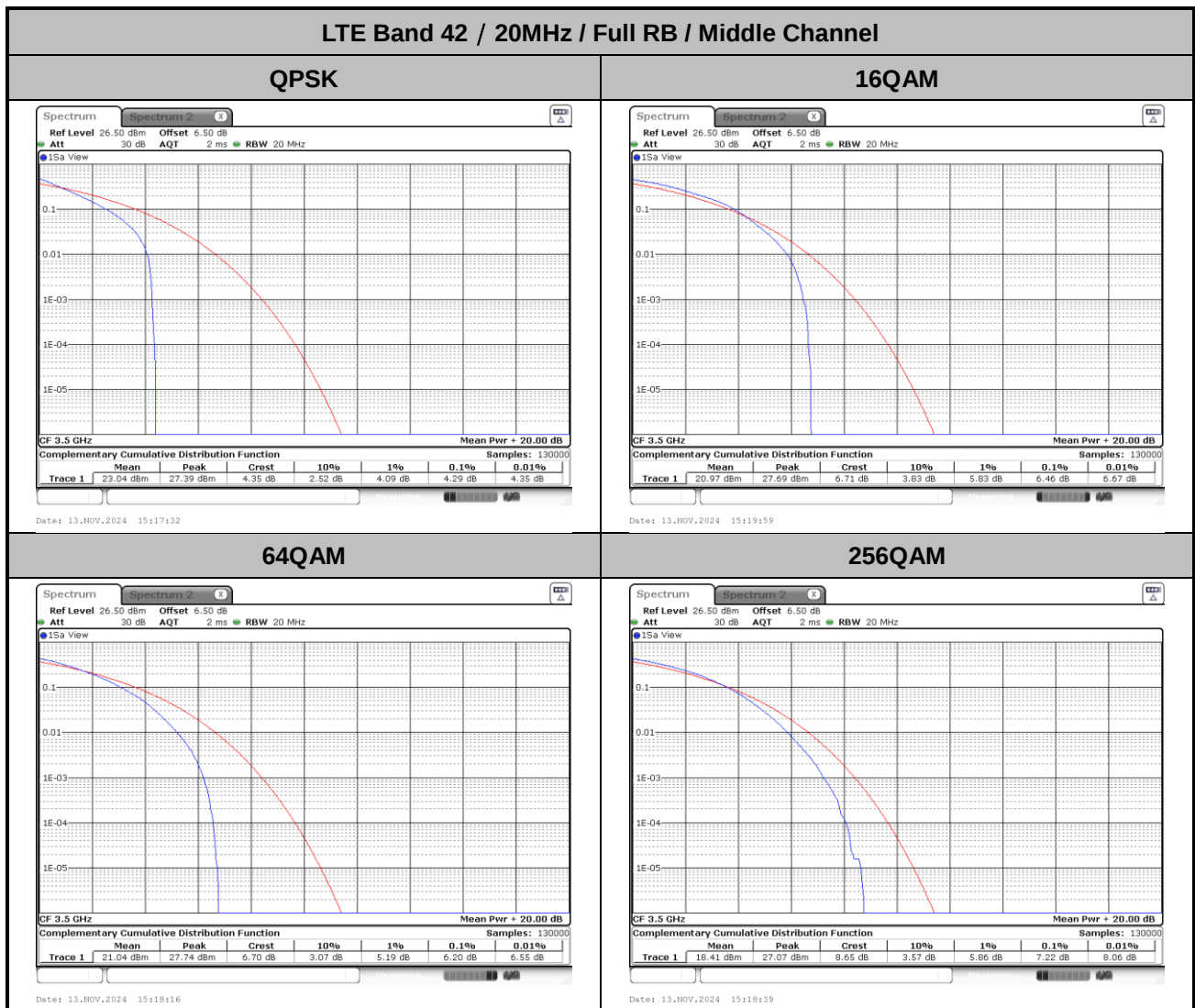
Note:

1. Normal Voltage =3.69 ; Battery End Point (BEP) =3.3 ; Maximum Voltage =4.1
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 42(Other PA)

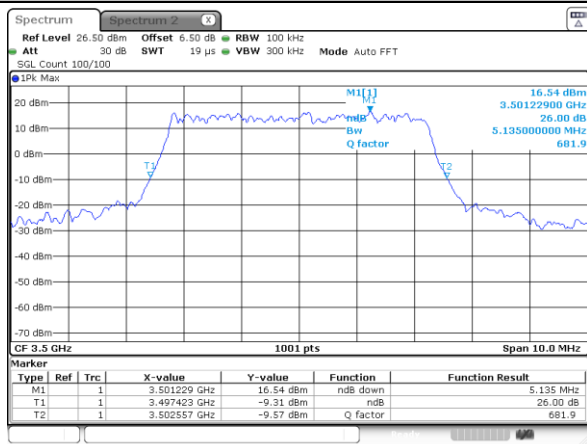
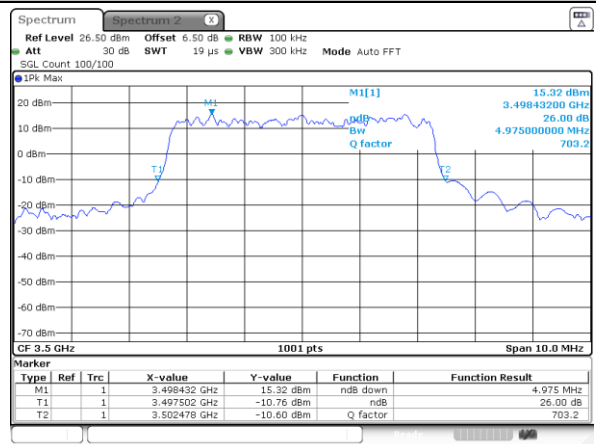
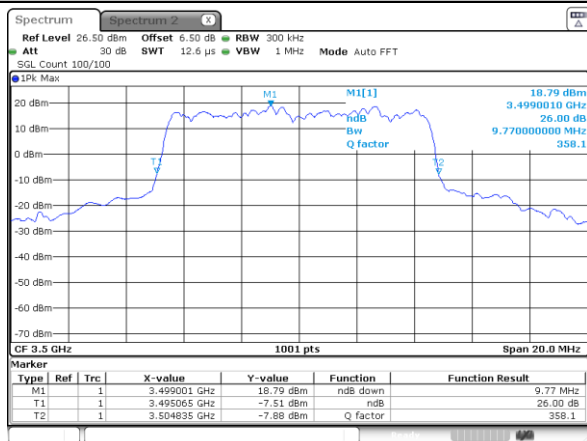
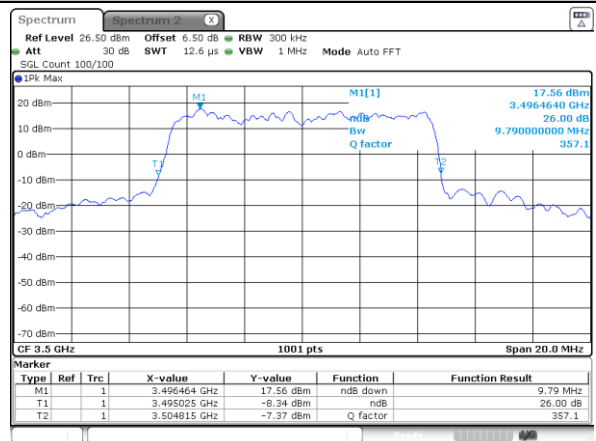
Peak-to-Average Ratio

Mode	LTE Band 42 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB				Result
Middle CH	4.29	6.46	6.20	7.22	PASS



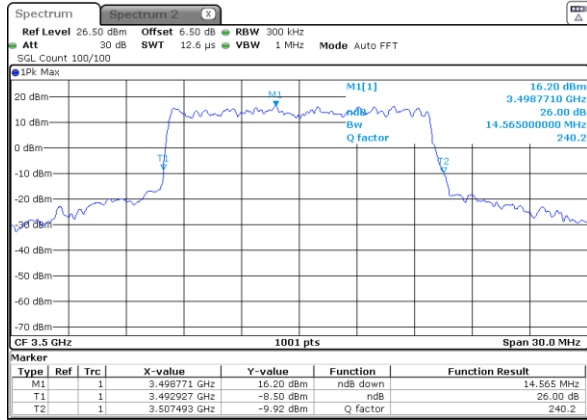
**26dB Bandwidth**

Mode	LTE Band 42 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.14	4.98	9.77	9.79	14.57	14.42	18.94	19.34

LTE Band 42 / Middle channel / Full RB/5M**QPSK****16QAM****LTE Band 42 / Middle channel / Full RB/10M****QPSK****16QAM**

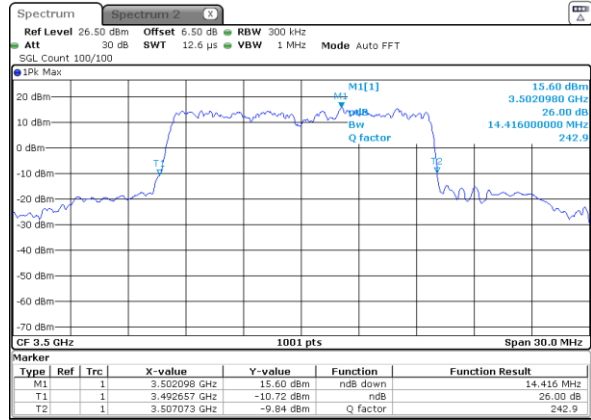
LTE Band 42 / Middle channel / Full RB/15M

QPSK



Date: 13.NOV.2024 15:15:02

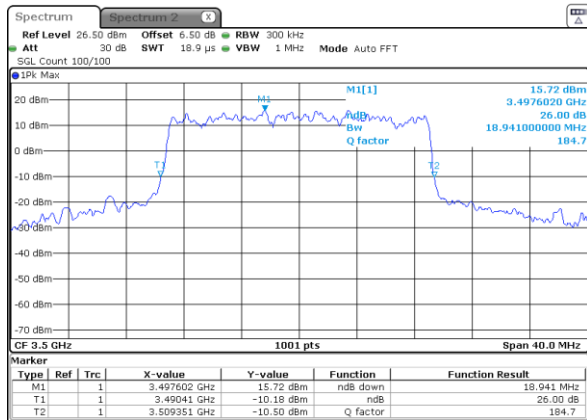
16QAM



Date: 13.NOV.2024 15:15:44

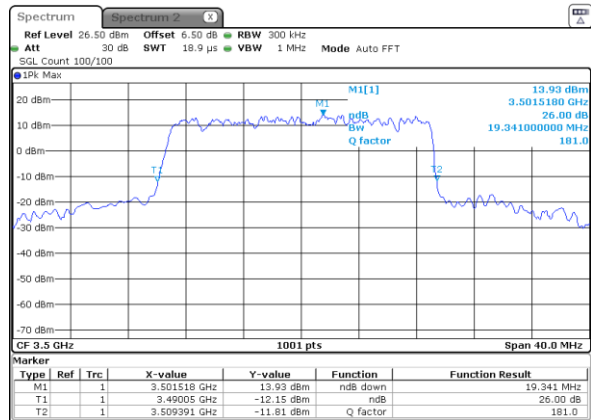
LTE Band 42 / Middle channel / Full RB/20M

QPSK



Date: 13.NOV.2024 15:16:20

16QAM



Date: 13.NOV.2024 15:17:10

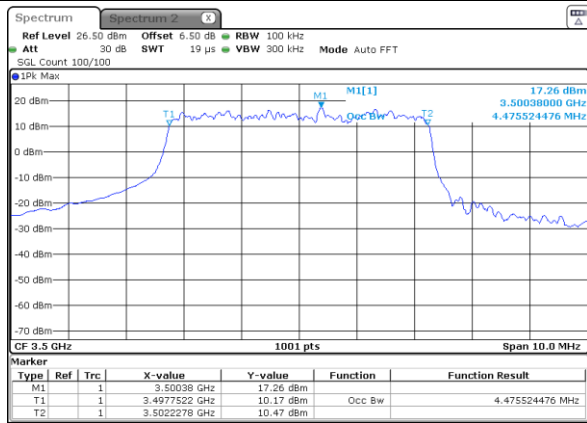


Occupied Bandwidth

Mode	LTE Band 42 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.50	9.09	8.99	13.43	13.43	17.90	17.94

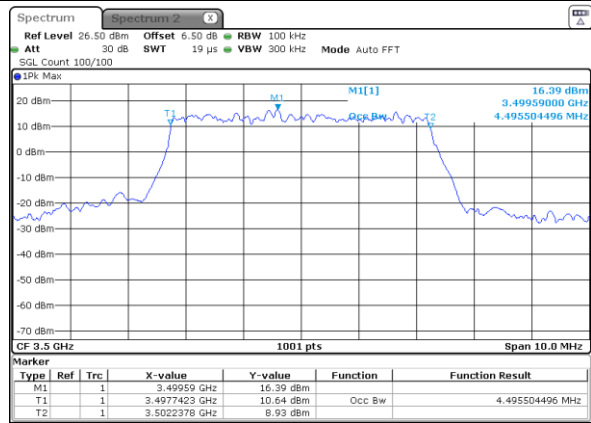
LTE Band 42 / Middle channel / Full RB/5M

QPSK



Date: 13,NOV,2024 15:11:50

16QAM

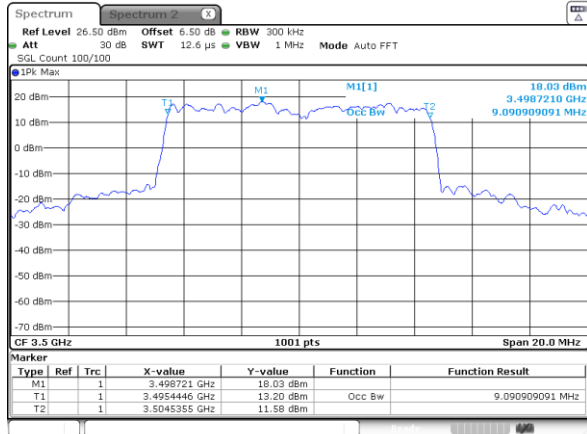


Date: 13,NOV,2024 15:12:32

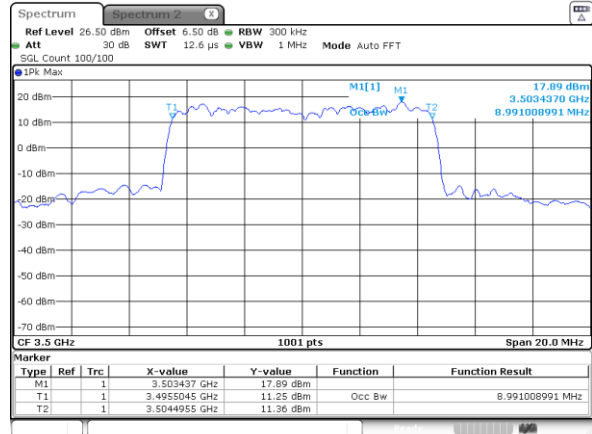


LTE Band 42 / Middle channel / Full RB/10M

QPSK

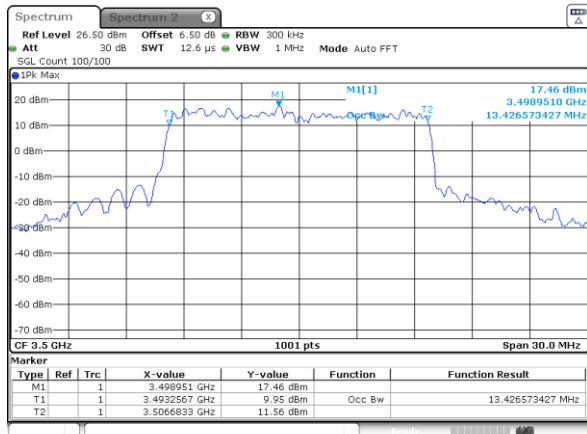


16QAM

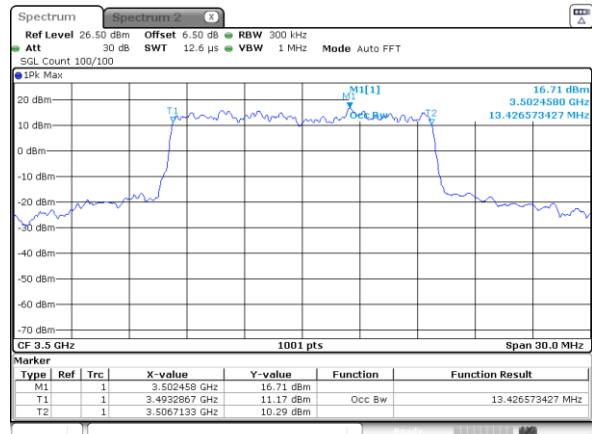


LTE Band 42 / Middle channel / Full RB/15M

QPSK

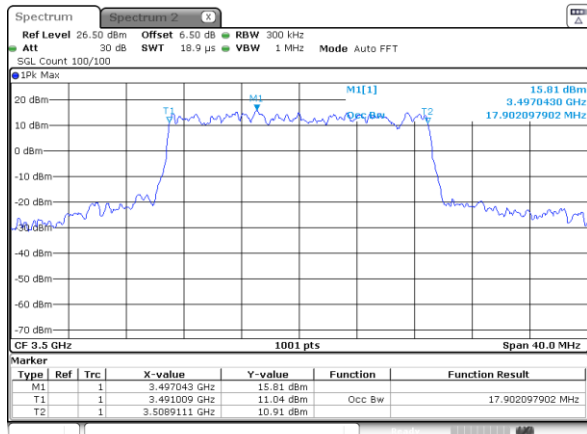


16QAM

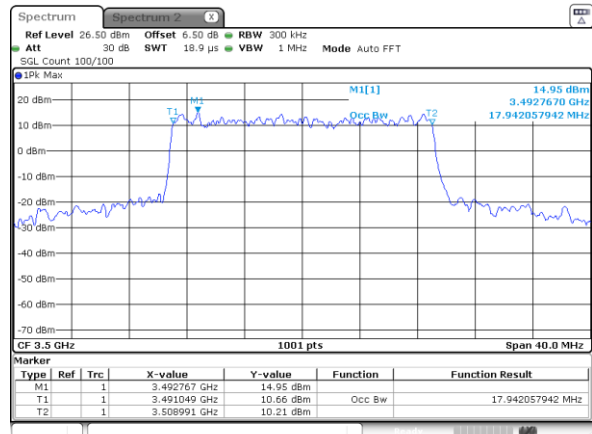


LTE Band 42 / Middle channel / Full RB/20M

QPSK



16QAM



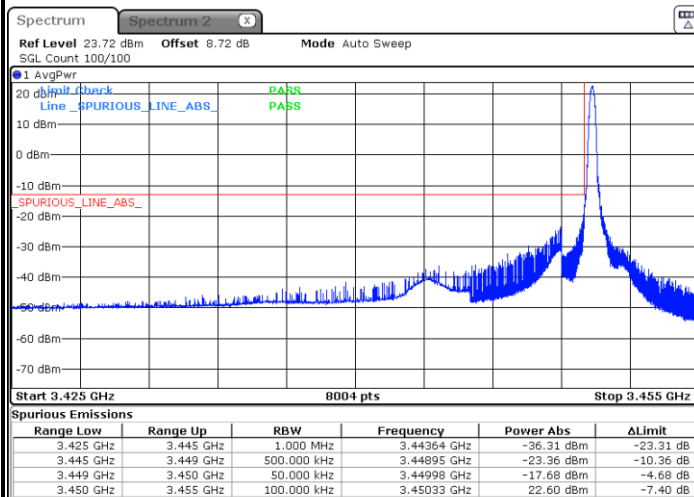


Conducted Band Edge

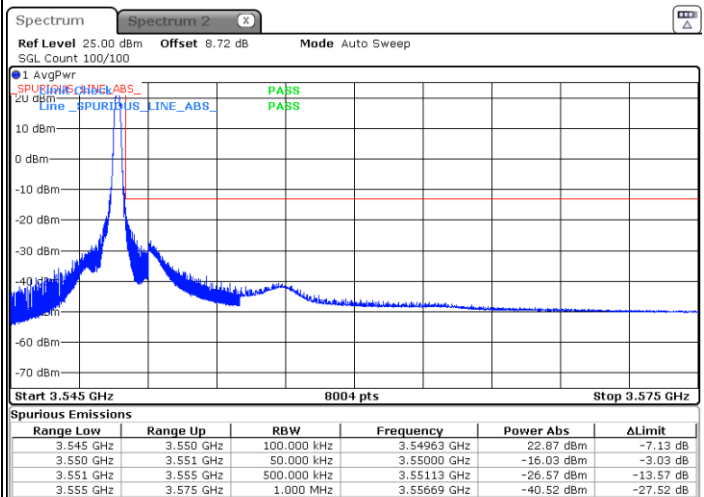
LTE Band 42 / 5MHz

QPSK

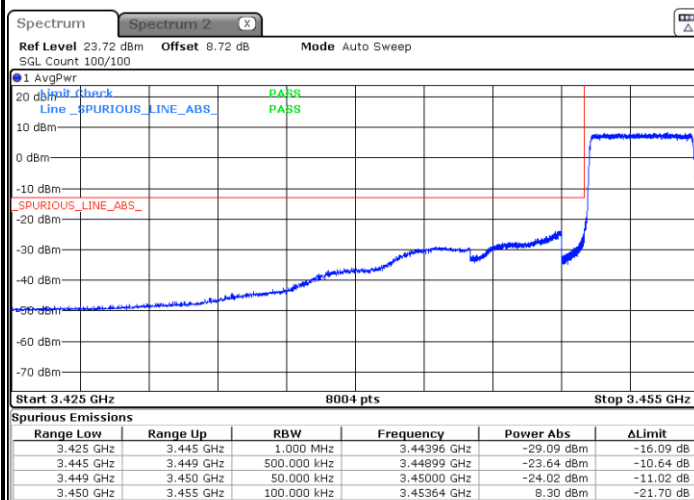
Lowest Channel / 1RB0



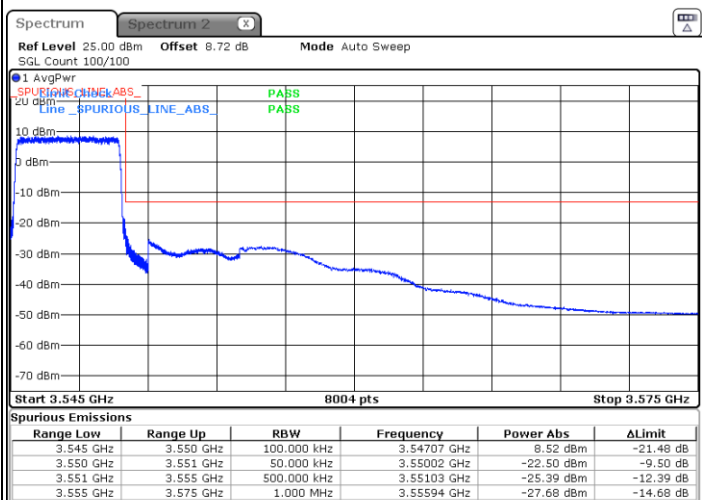
Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB

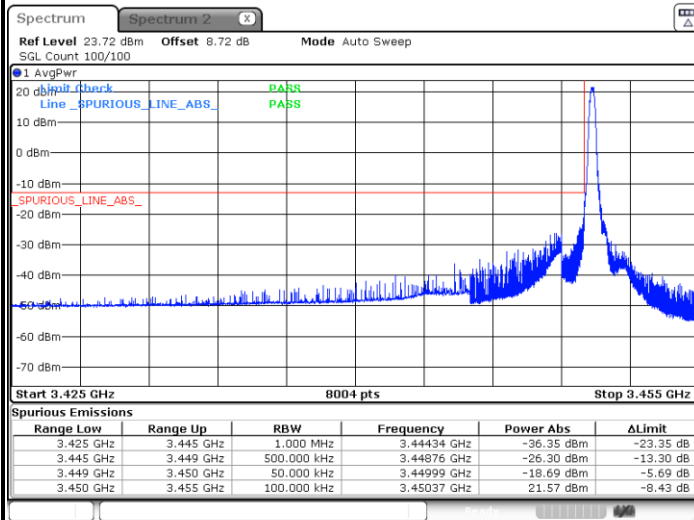




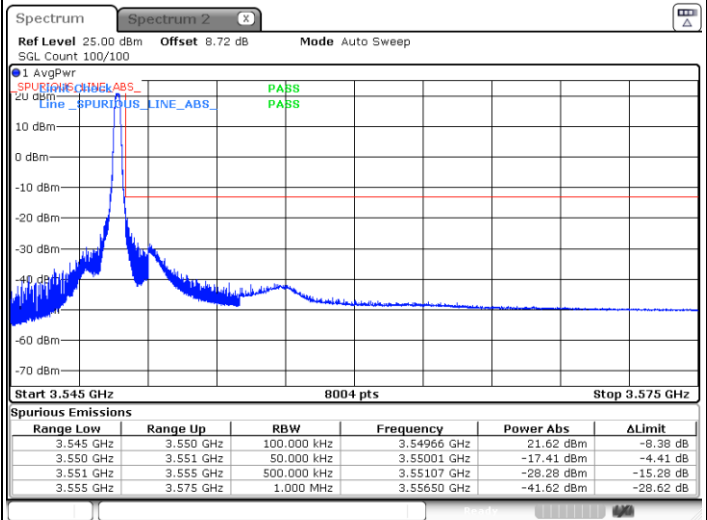
LTE Band 42 / 5MHz

16QAM

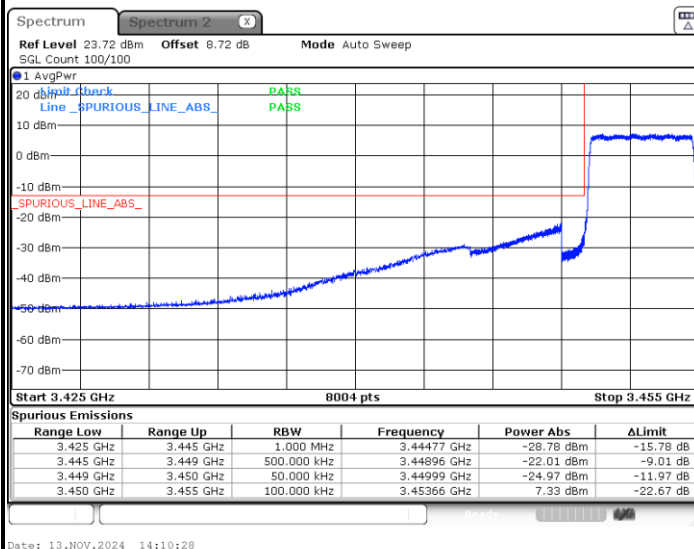
Lowest Channel / 1RB0



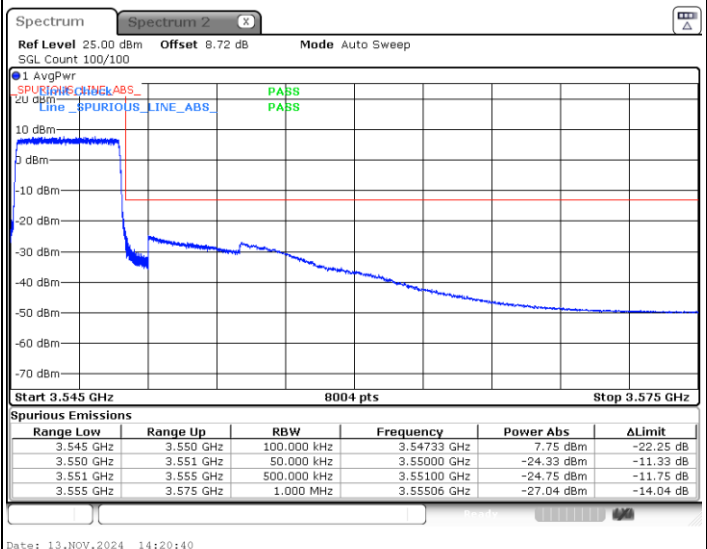
Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB

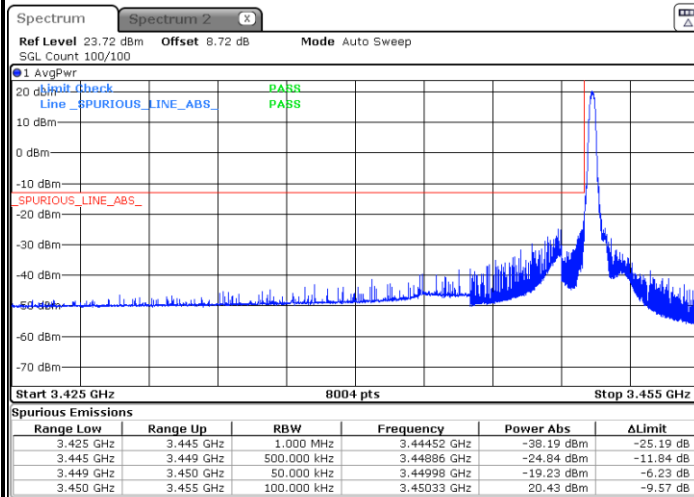




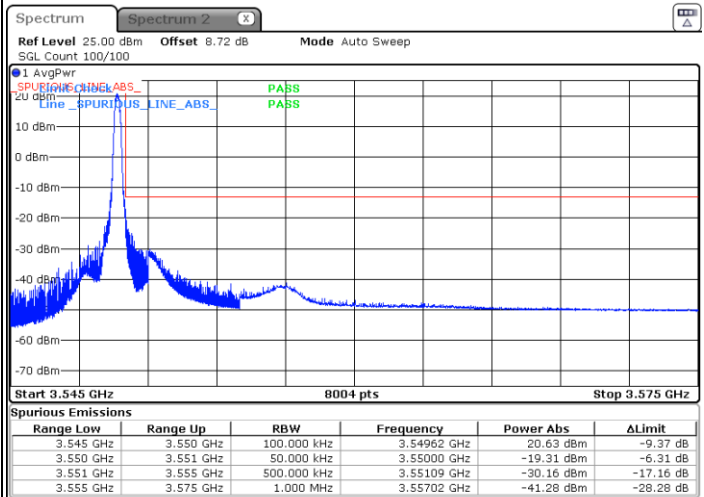
LTE Band 42 / 5MHz

64QAM

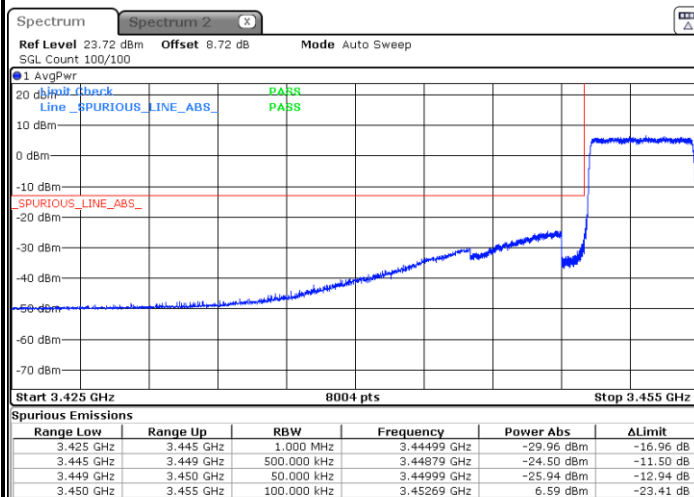
Lowest Channel / 1RB0



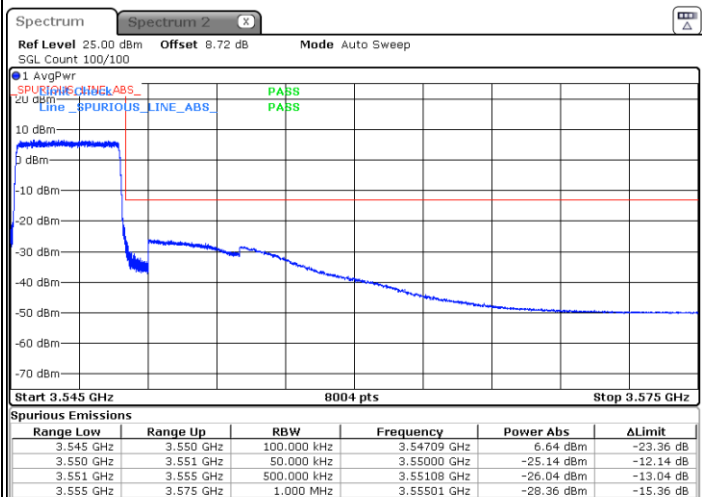
Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB



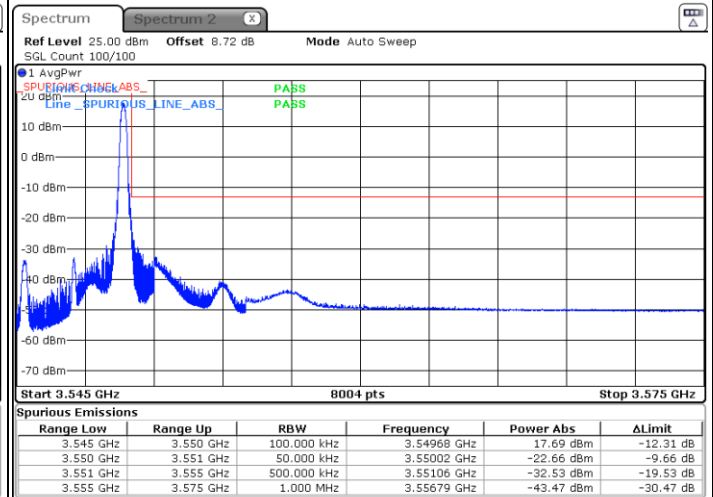
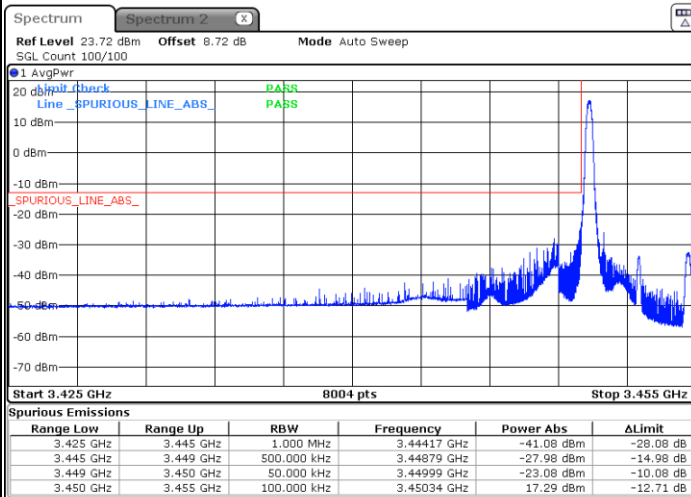


LTE Band 42 / 5MHz

256QAM

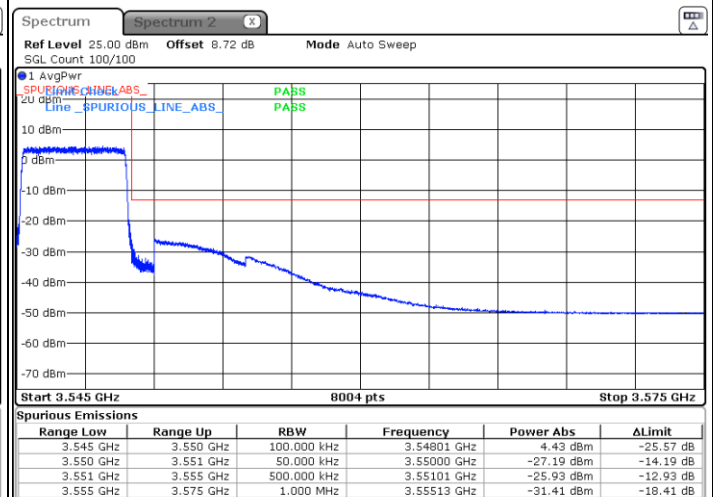
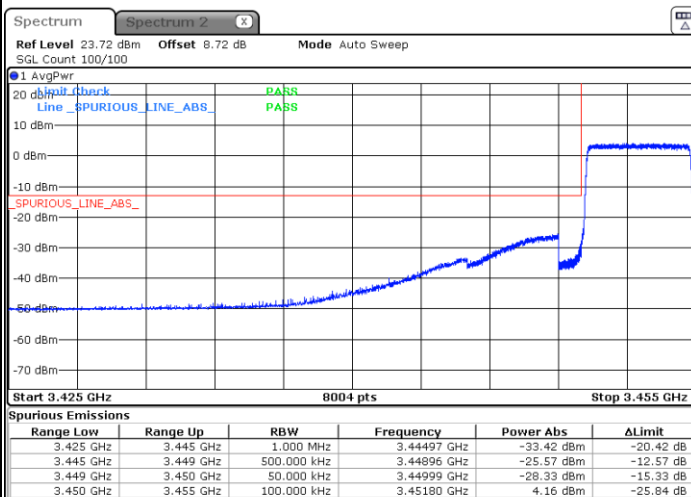
Lowest Channel / 1RB0

Highest Channel / 1RBmax



Lowest Channel / FullRB

Highest Channel / FullRB

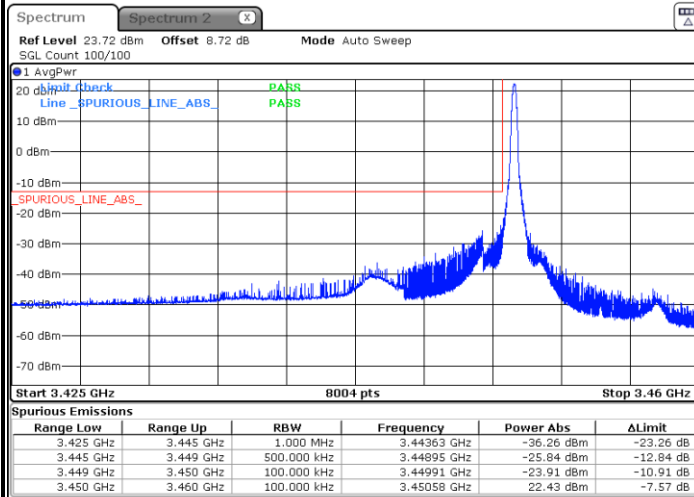




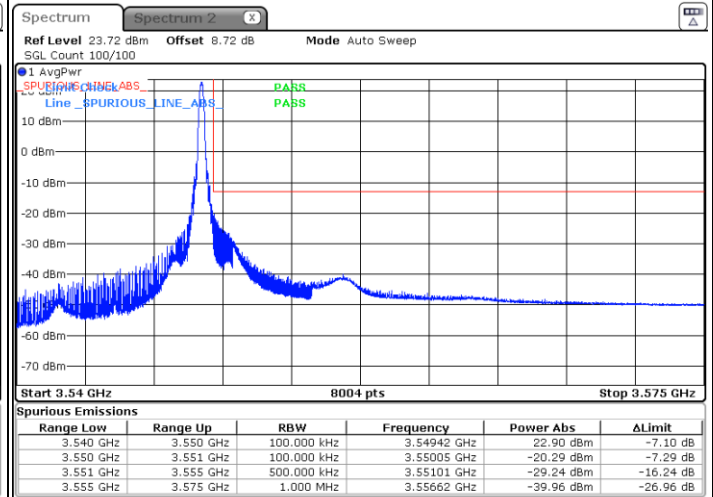
LTE Band 42 / 10MHz

QPSK

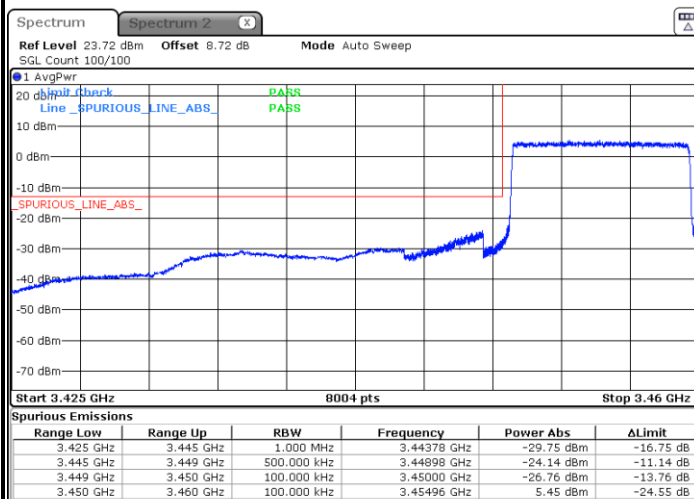
Lowest Channel / 1RB0



Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB

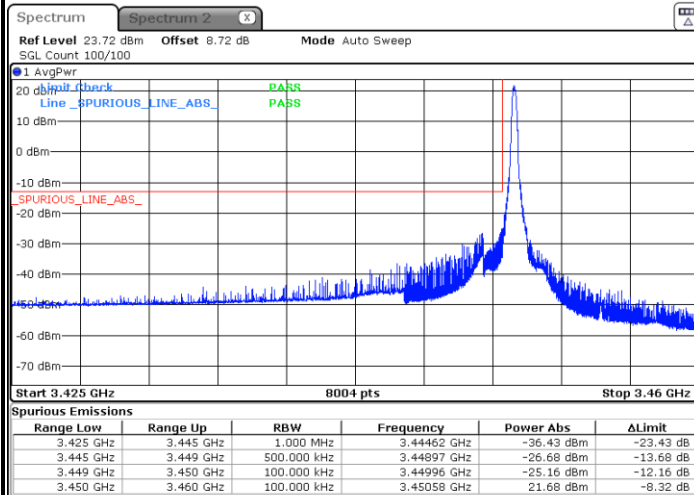




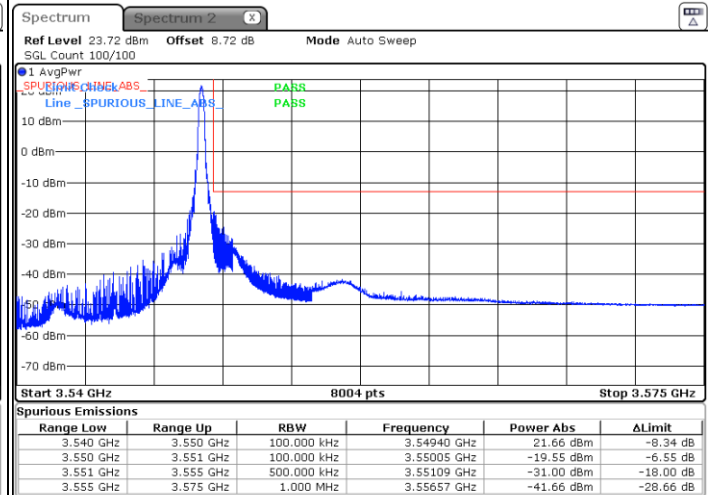
LTE Band 42 / 10MHz

16QAM

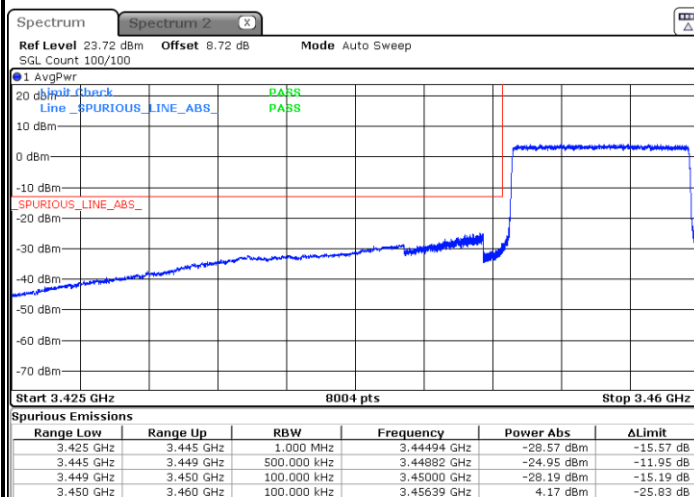
Lowest Channel / 1RB0



Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB



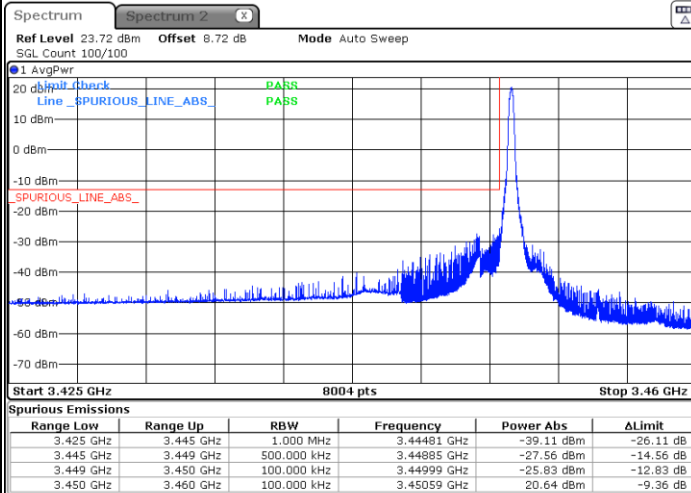


LTE Band 42 / 10MHz

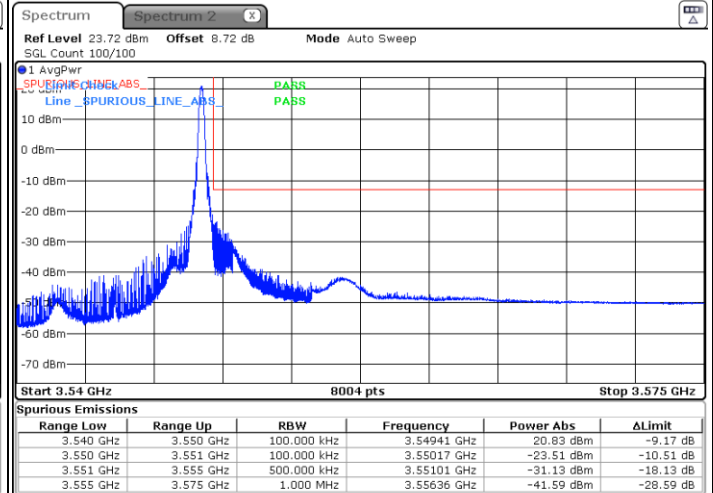
64QAM

Lowest Channel / 1RB0

Highest Channel / 1RBmax



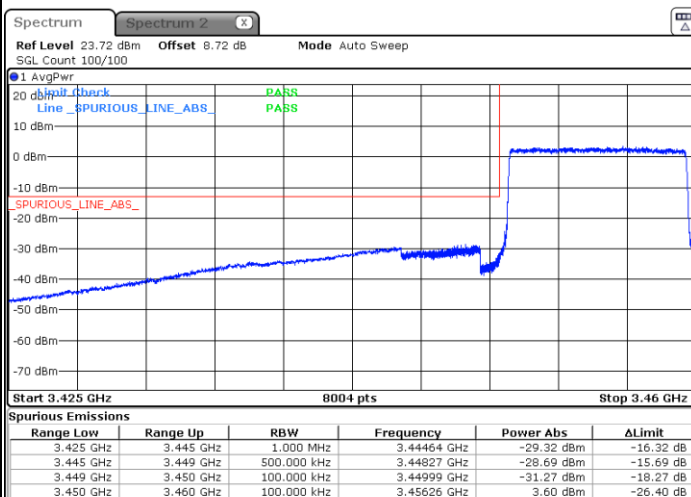
Date: 13.NOV.2024 14:28:40



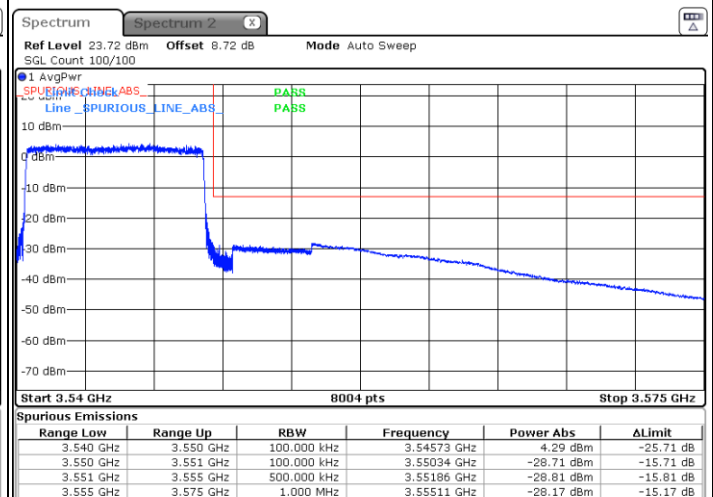
Date: 13.NOV.2024 14:32:00

Lowest Channel / FullRB

Highest Channel / FullRB



Date: 13.NOV.2024 14:25:19



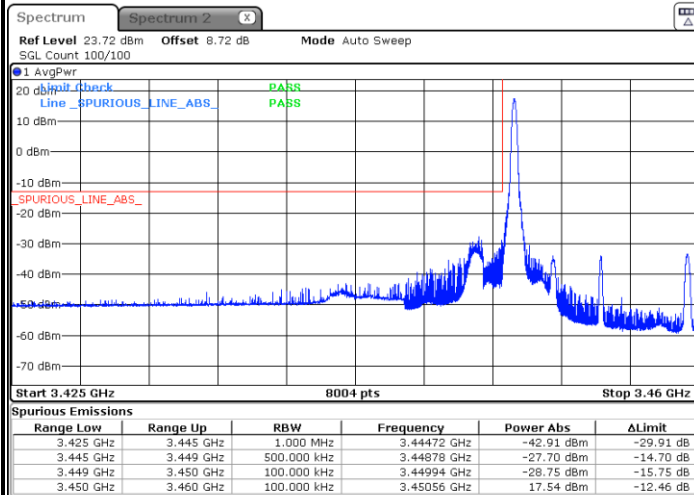
Date: 13.NOV.2024 15:09:26



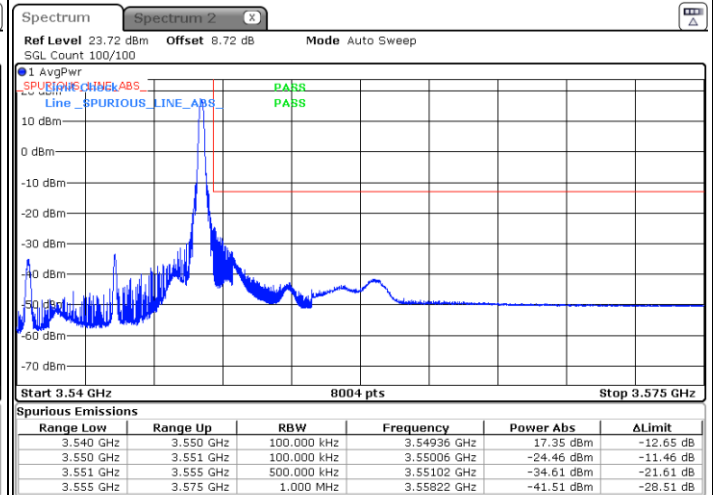
LTE Band 42 / 10MHz

256QAM

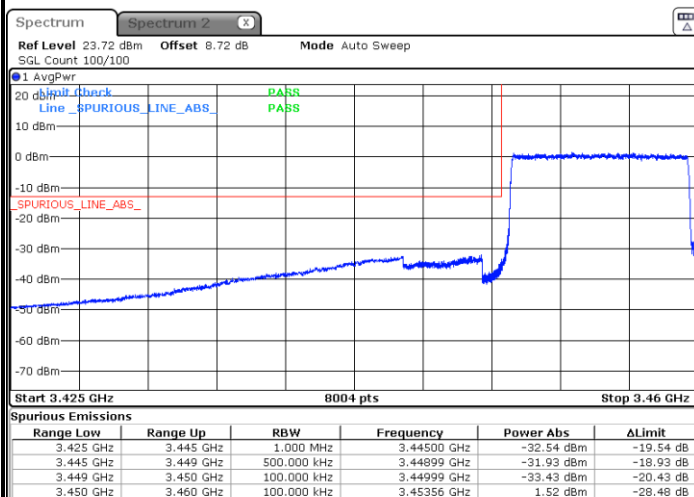
Lowest Channel / 1RB0



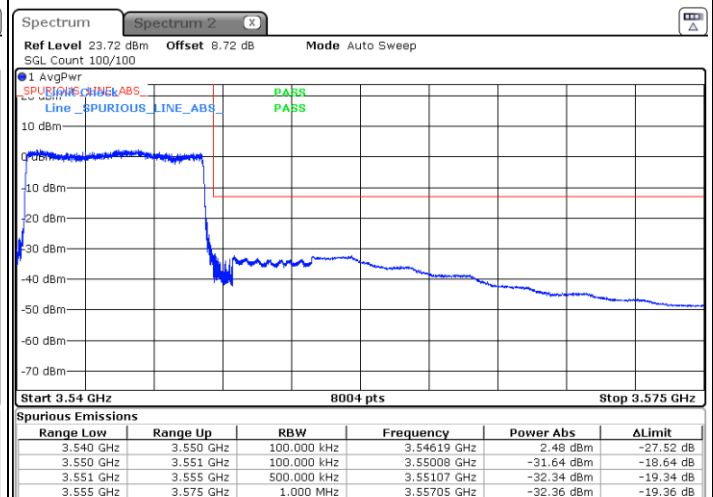
Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB

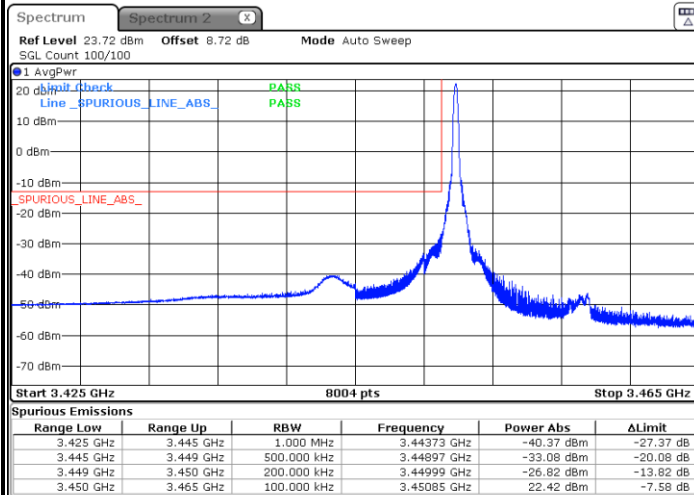




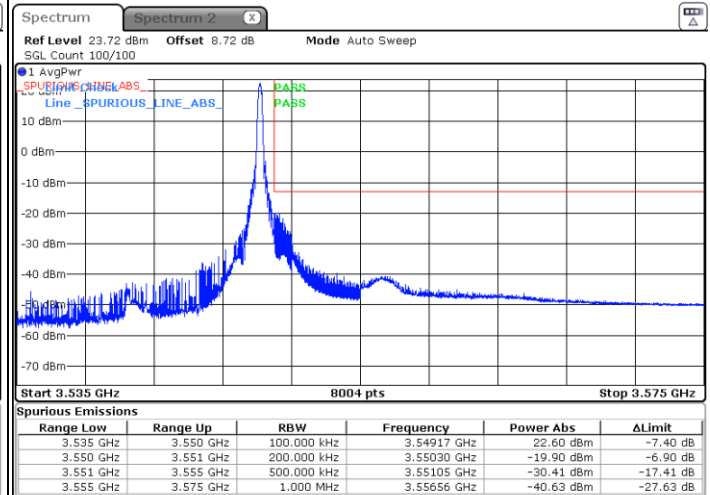
LTE Band 42 / 15MHz

QPSK

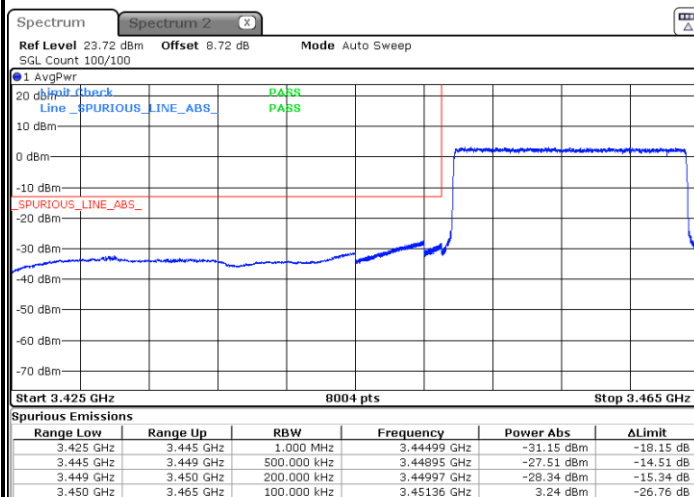
Lowest Channel / 1RB0



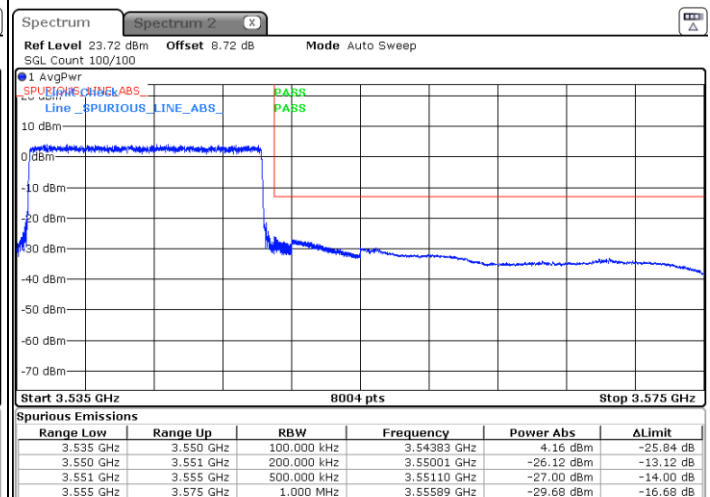
Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB

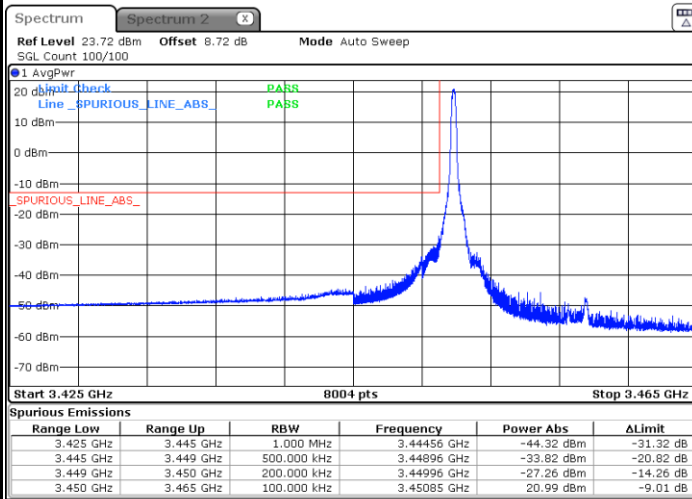




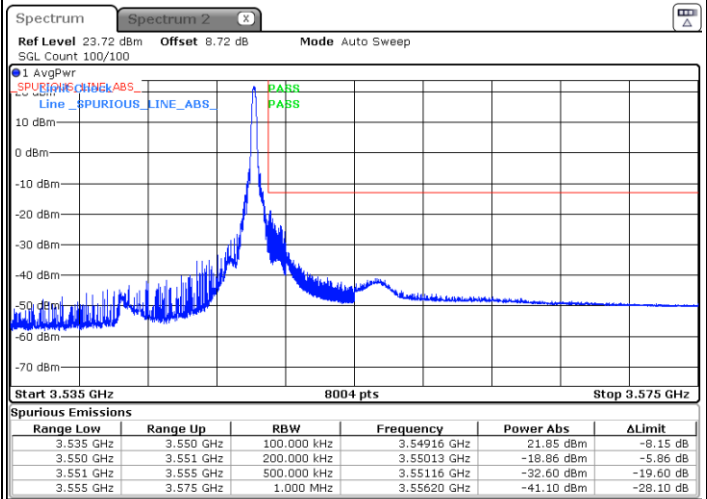
LTE Band 42 / 15MHz

16QAM

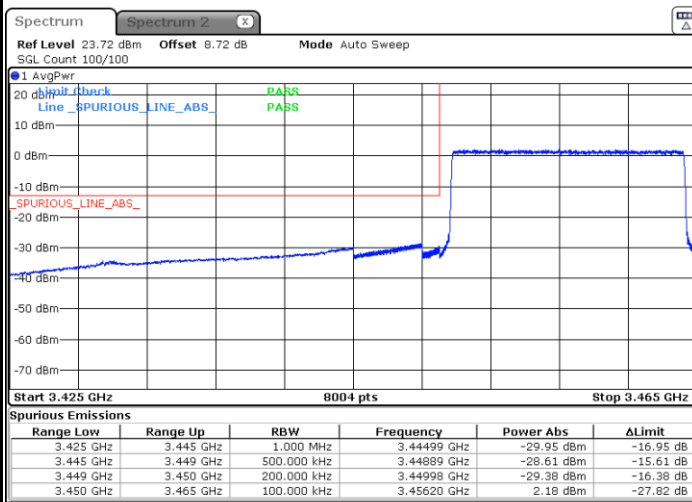
Lowest Channel / 1RB0



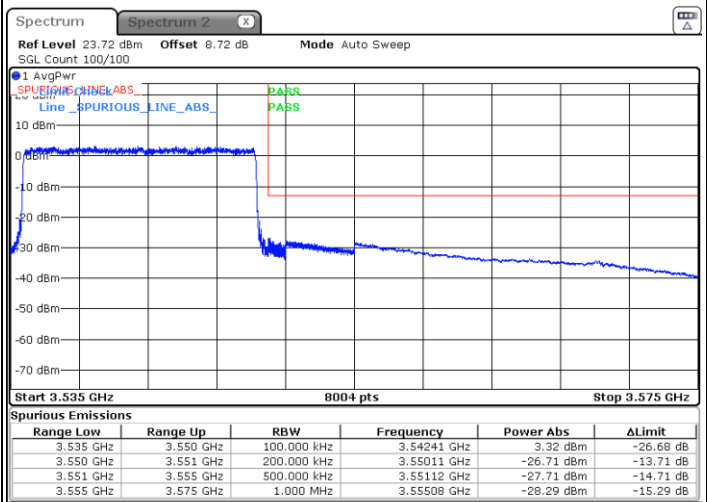
Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB

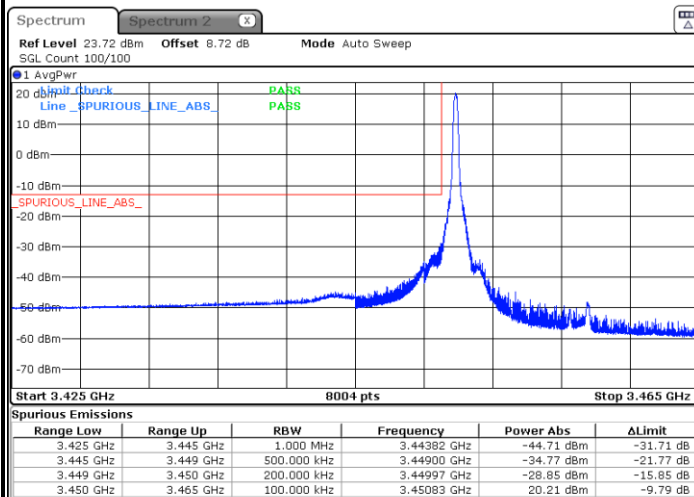




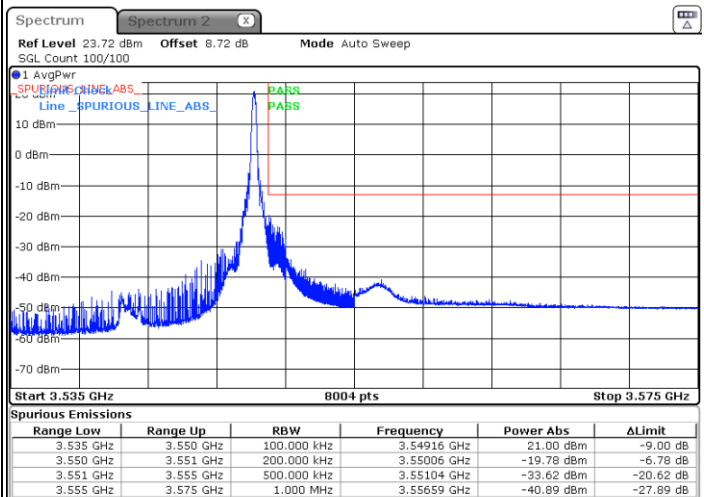
LTE Band 42 / 15MHz

64QAM

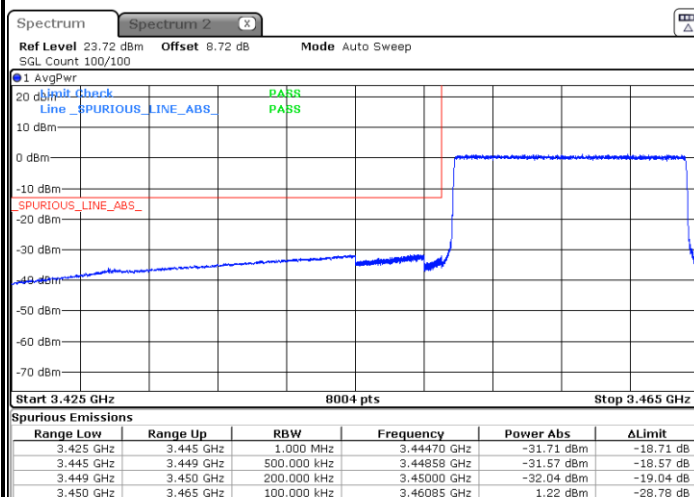
Lowest Channel / 1RB0



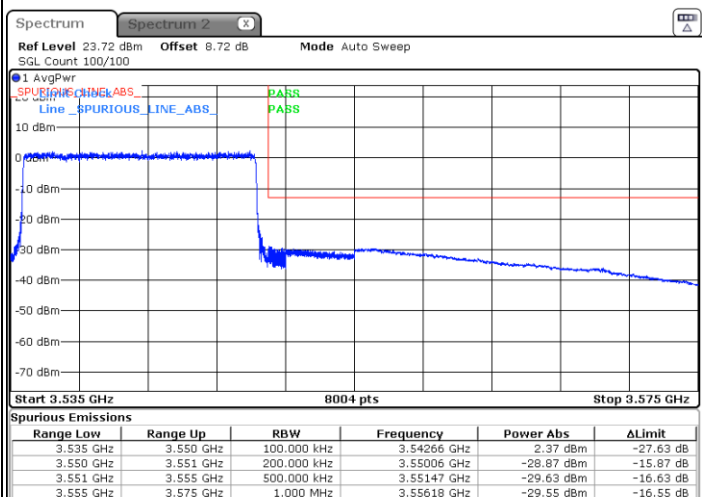
Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB

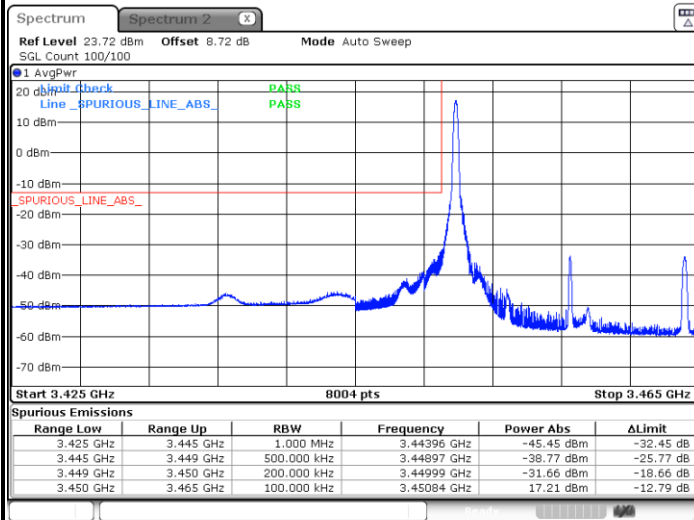




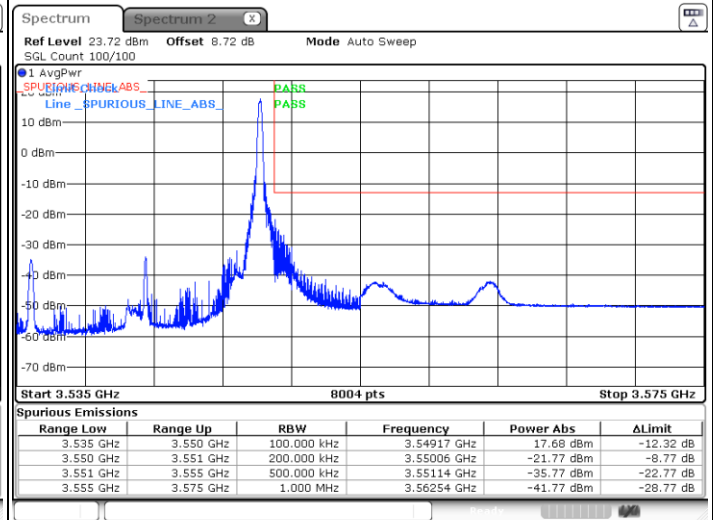
LTE Band 42 / 15MHz

256QAM

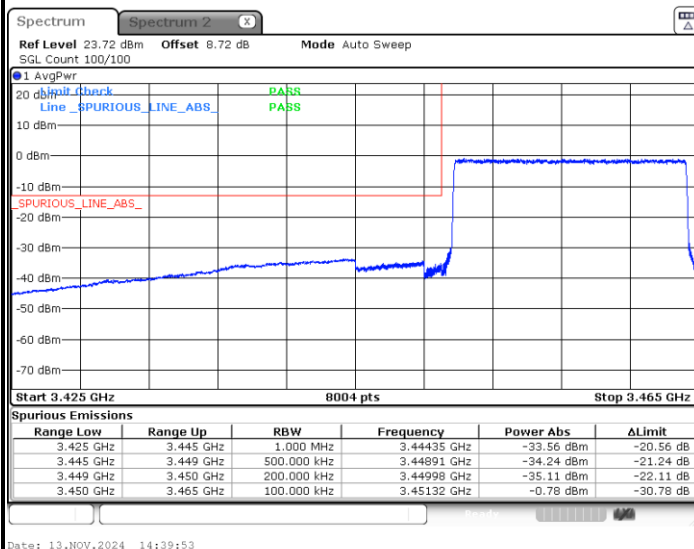
Lowest Channel / 1RB0



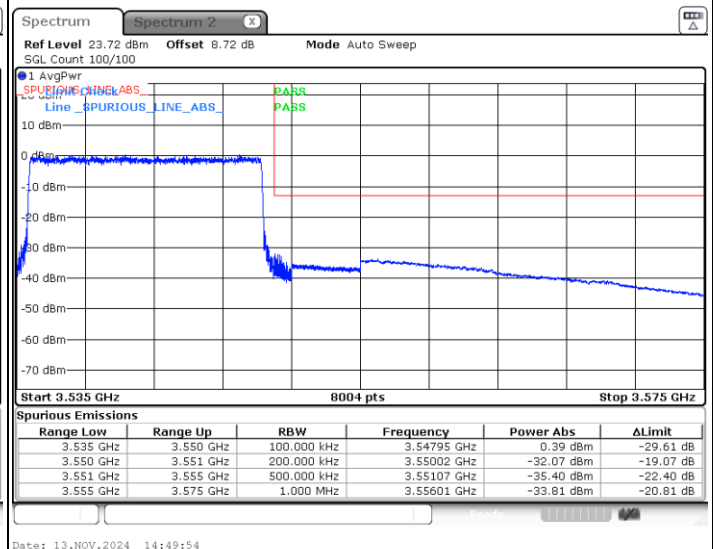
Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB

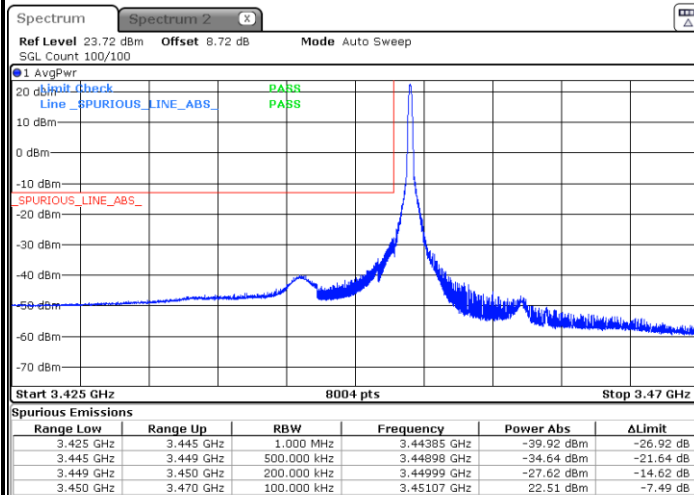




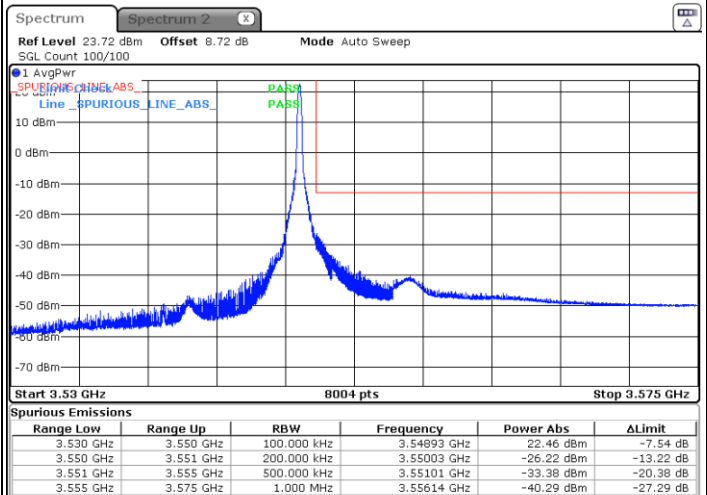
LTE Band 42 / 20MHz

QPSK

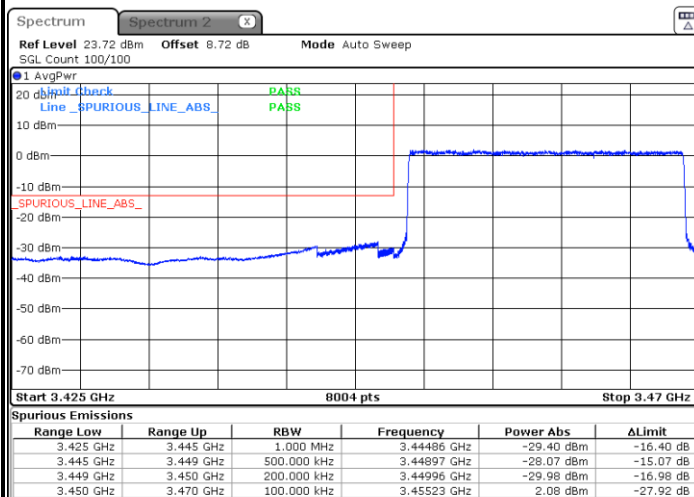
Lowest Channel / 1RB0



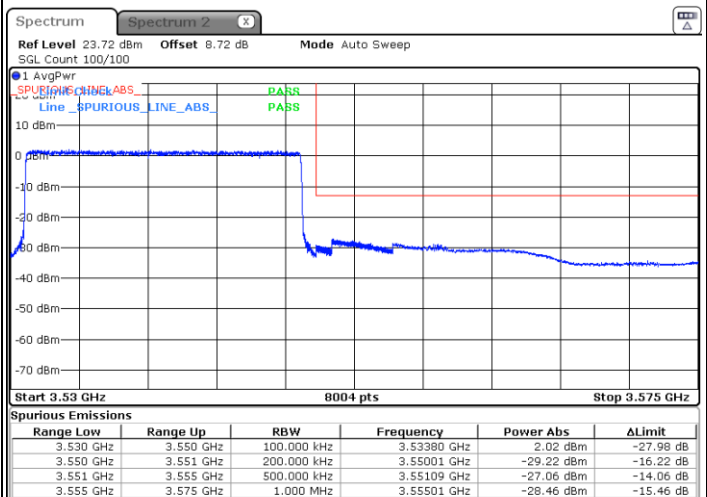
Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB



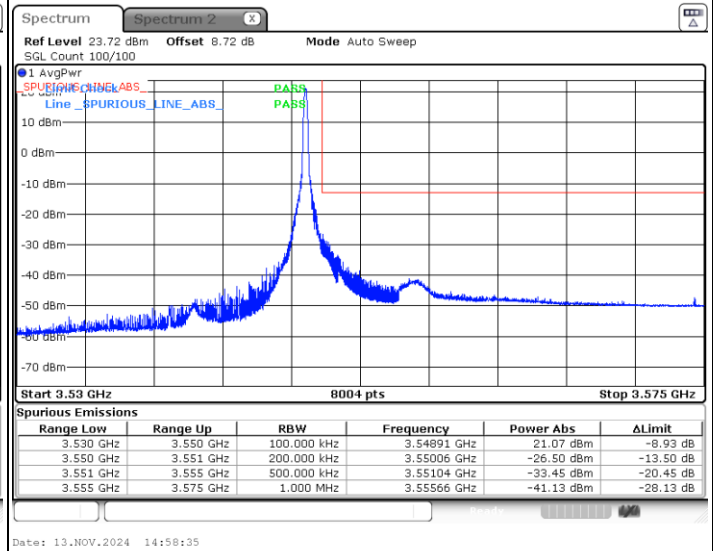
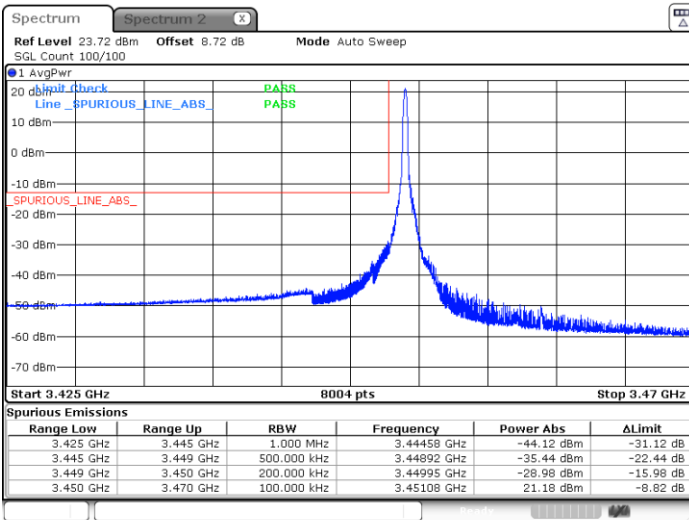


LTE Band 42 / 20MHz

16QAM

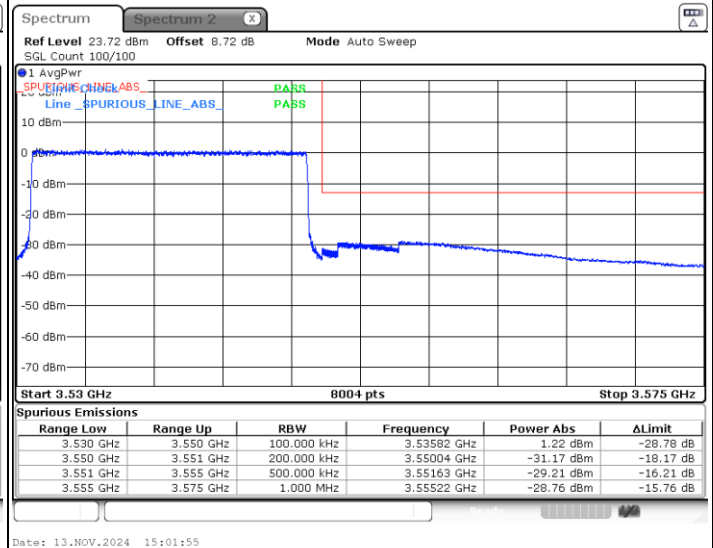
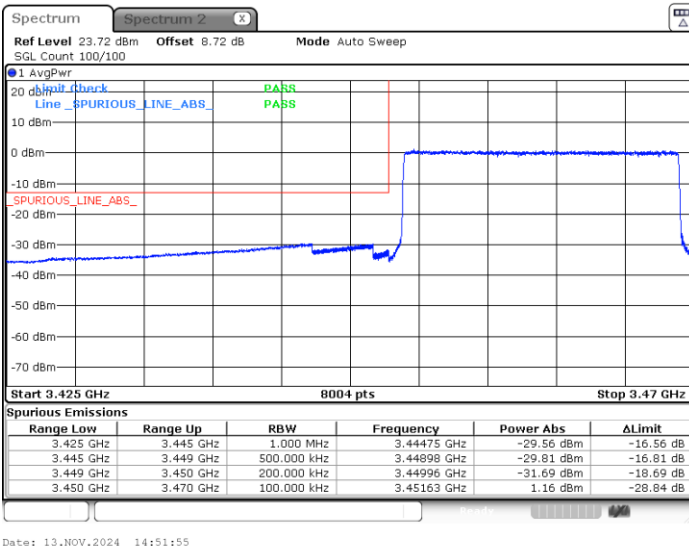
Lowest Channel / 1RB0

Highest Channel / 1RBmax



Lowest Channel / FullRB

Highest Channel / FullRB

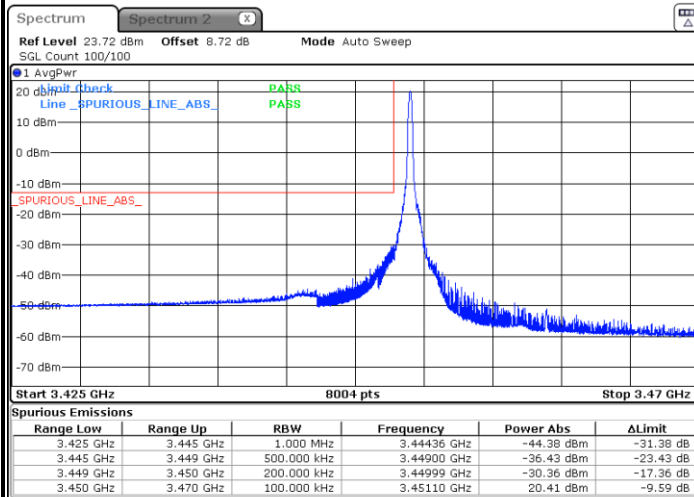




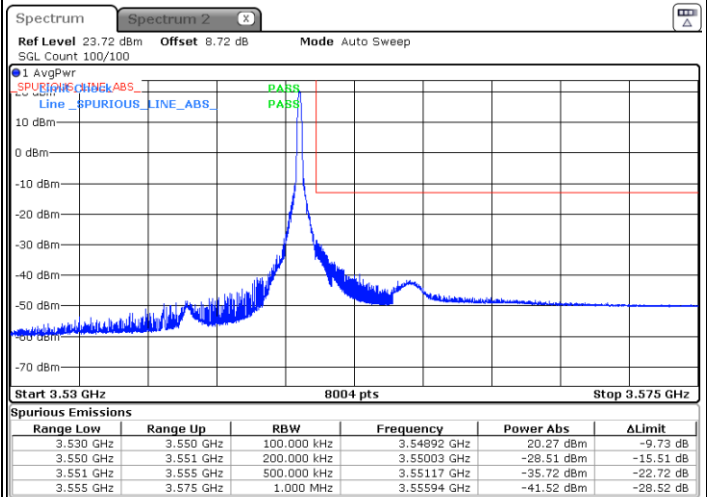
LTE Band 42 / 20MHz

64QAM

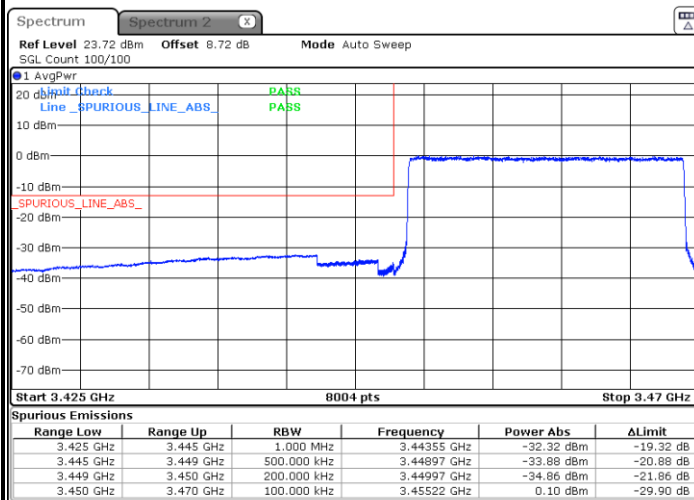
Lowest Channel / 1RB0



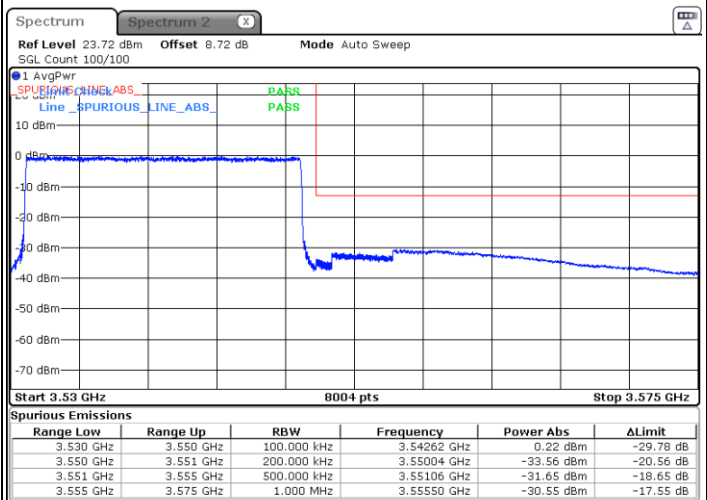
Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB

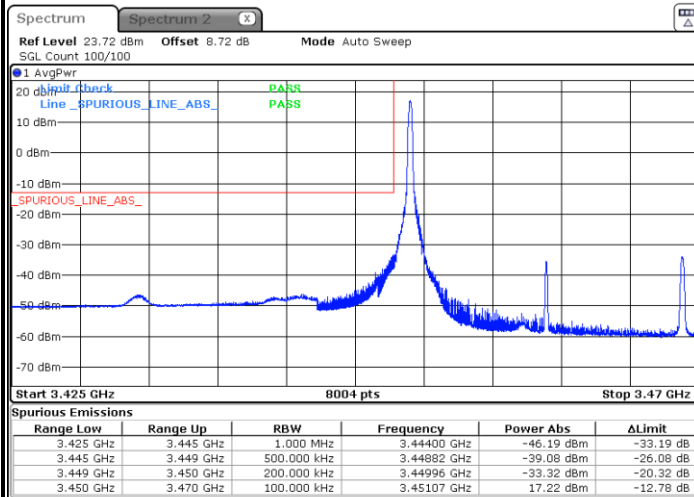




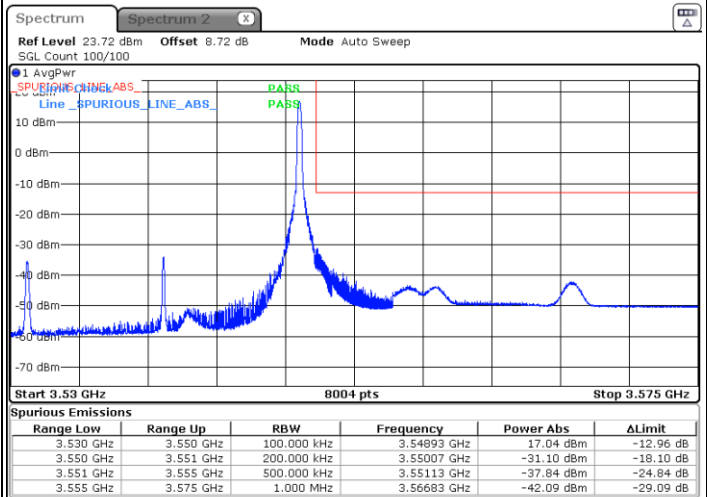
LTE Band 42 / 20MHz

256QAM

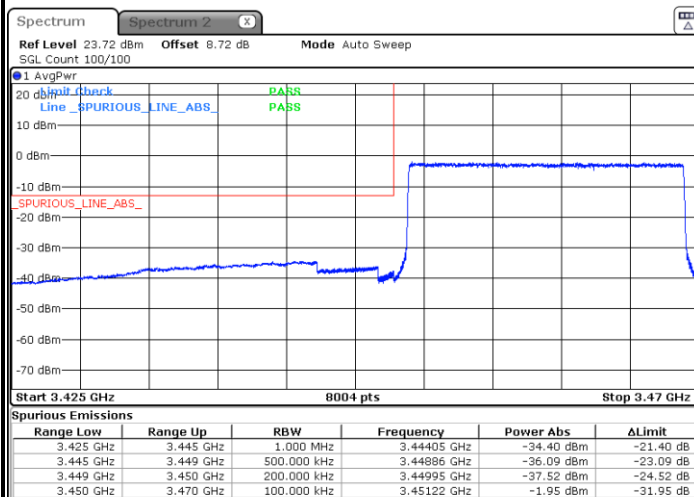
Lowest Channel / 1RB0



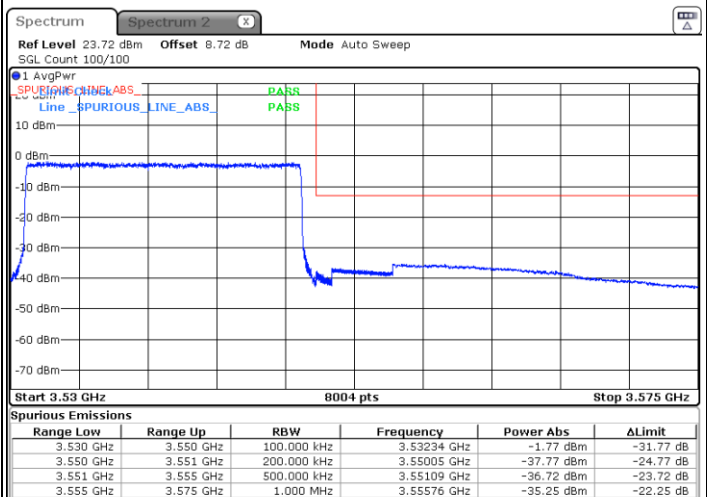
Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB





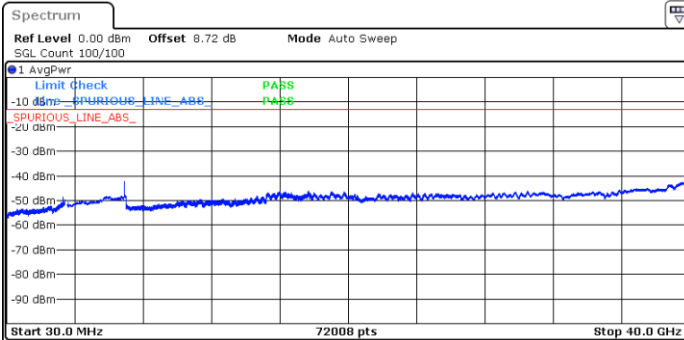
Conducted Spurious Emission

LTE Band 42/ 5MHz

QPSK / 1RB0

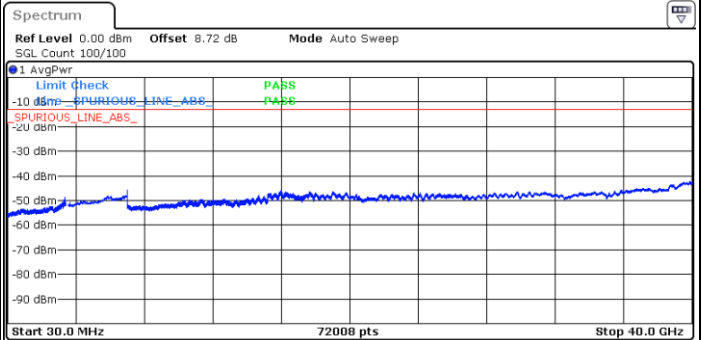
Lowest Channel

Middle Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.62138 MHz	-53.53 dBm	-40.53 dB
1.000 GHz	3.425 GHz	1.000 MHz	3.29742 GHz	-48.70 dBm	-35.70 dB
3.575 GHz	7.000 GHz	1.000 MHz	6.90249 GHz	-42.40 dBm	-29.40 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94919 GHz	-50.92 dBm	-37.92 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98863 GHz	-49.31 dBm	-36.31 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.66760 GHz	-46.28 dBm	-33.28 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.00597 GHz	-46.55 dBm	-33.55 dB
27.000 GHz	40.000 GHz	1.000 MHz	39.88897 GHz	-42.43 dBm	-29.43 dB

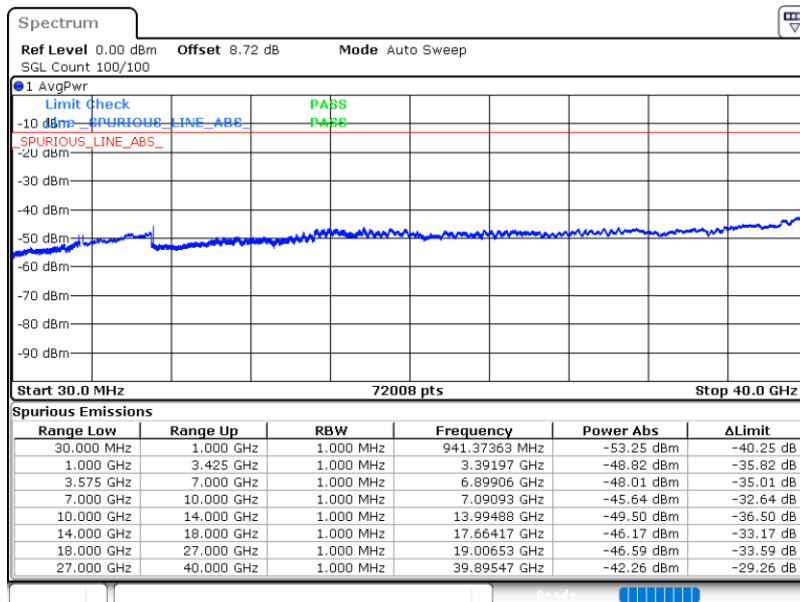
Date: 19.NOV.2024 18:38:59



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	945.24975 MHz	-53.41 dBm	-40.41 dB
1.000 GHz	3.425 GHz	1.000 MHz	3.34469 GHz	-48.53 dBm	-35.53 dB
3.575 GHz	7.000 GHz	1.000 MHz	6.99487 GHz	-45.83 dBm	-32.83 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95632 GHz	-50.92 dBm	-37.92 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.67296 GHz	-49.32 dBm	-36.32 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.97972 GHz	-46.19 dBm	-33.19 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.03747 GHz	-46.38 dBm	-33.38 dB
27.000 GHz	40.000 GHz	1.000 MHz	39.90197 GHz	-42.39 dBm	-29.39 dB

Date: 19.NOV.2024 18:40:20

Highest Channel



Date: 19.NOV.2024 18:41:41