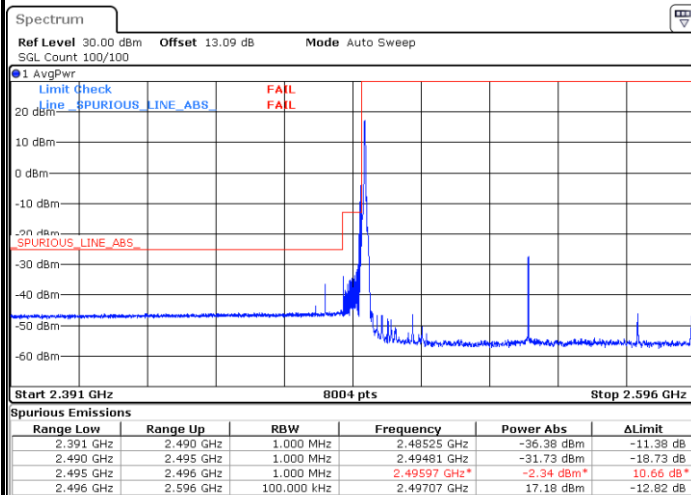


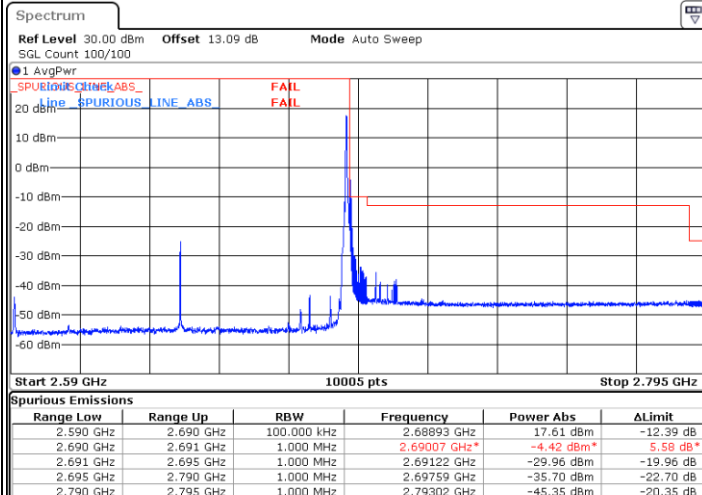


100M-L-1RB0-64Q



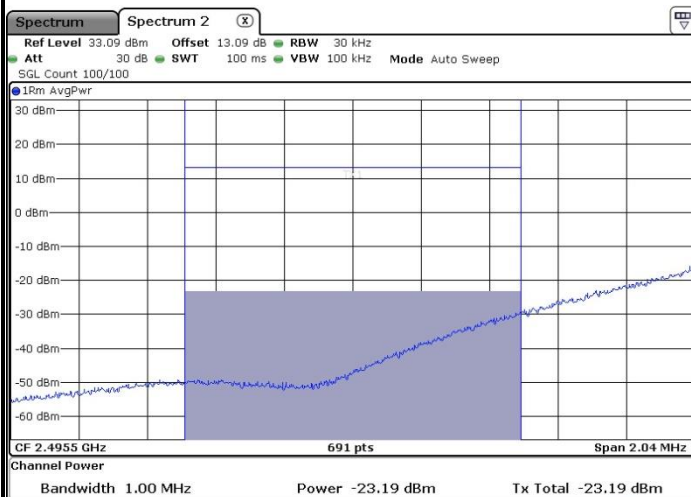
Date: 27.NOV.2020 17:52:41

100M-H-1RBMAX-64Q



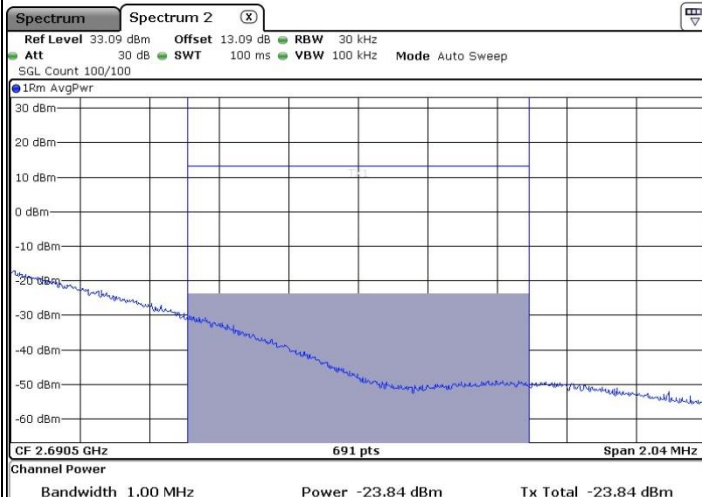
Date: 27.NOV.2020 18:22:26

Channel power < -13dBm PASS



Date: 27.NOV.2020 19:18:12

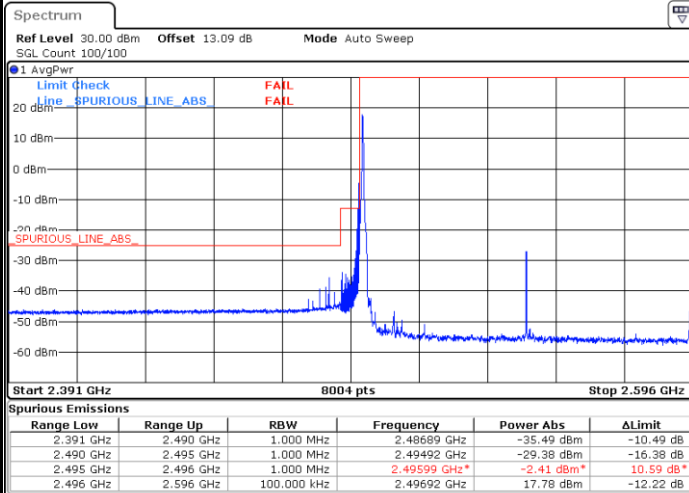
Channel power < -10dBm PASS



Date: 27.NOV.2020 19:29:04

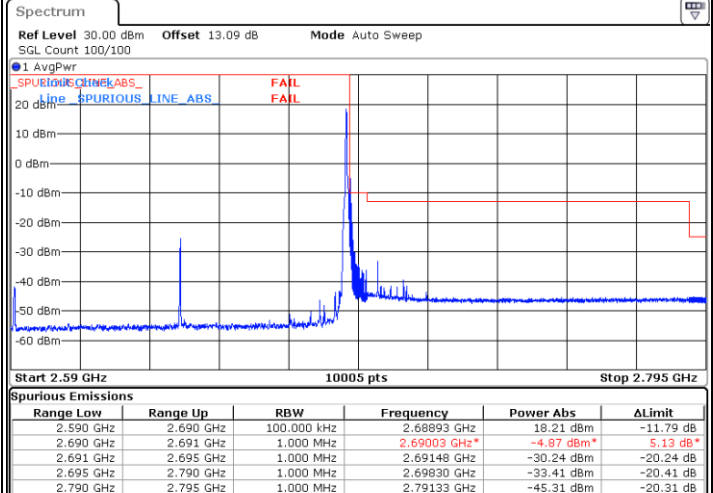


100M-L-1RB0-256Q



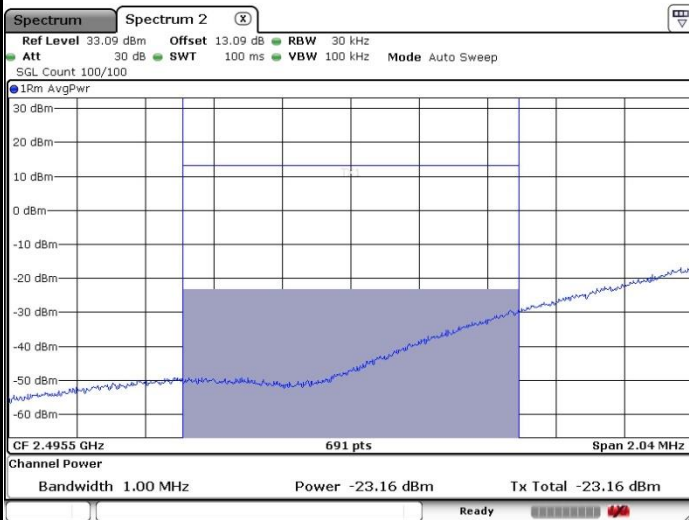
Date: 27.NOV.2020 17:53:20

100M-H-1RBMAX-256Q



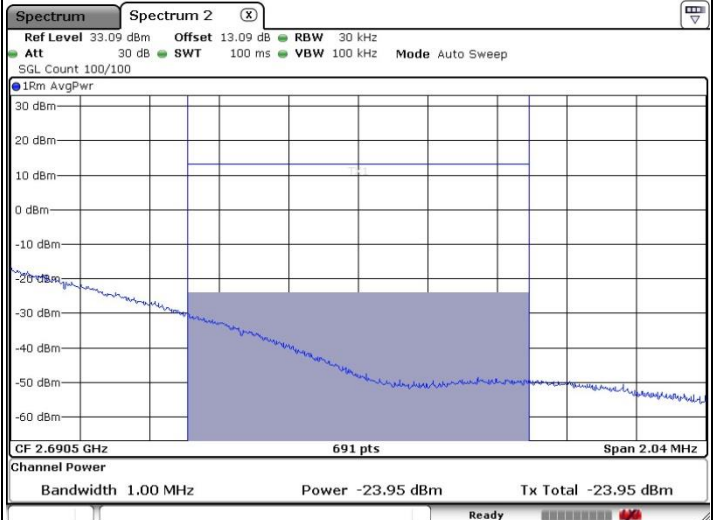
Date: 27.NOV.2020 18:21:45

Channel power < -13dBm PASS



Date: 27.NOV.2020 19:19:01

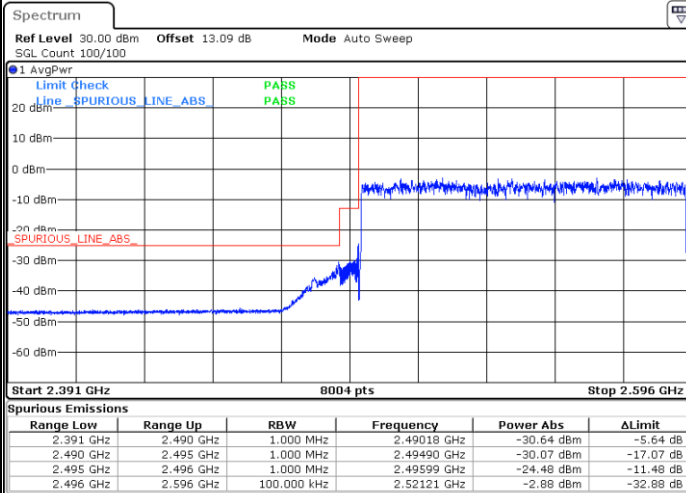
Channel power < -10dBm PASS



Date: 27.NOV.2020 19:29:34

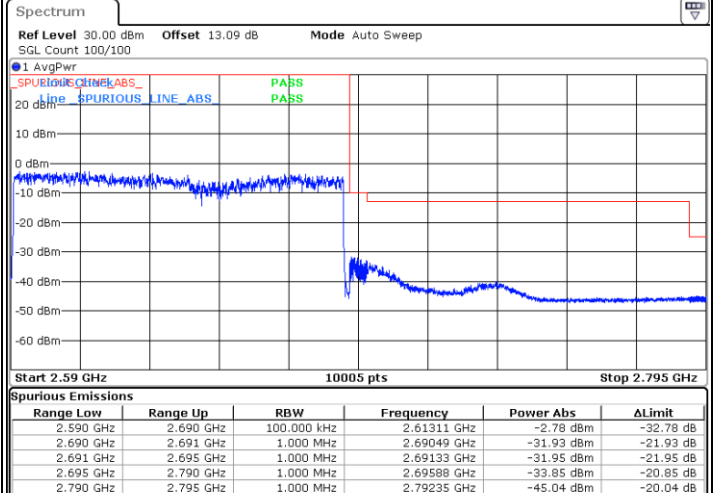


100M-L-FULLRB-B



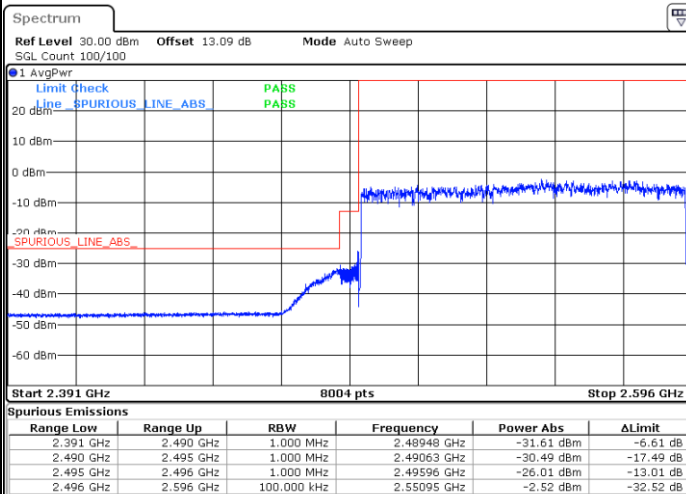
Date: 27.NOV.2020 18:17:10

100M-H-FULLRB-B



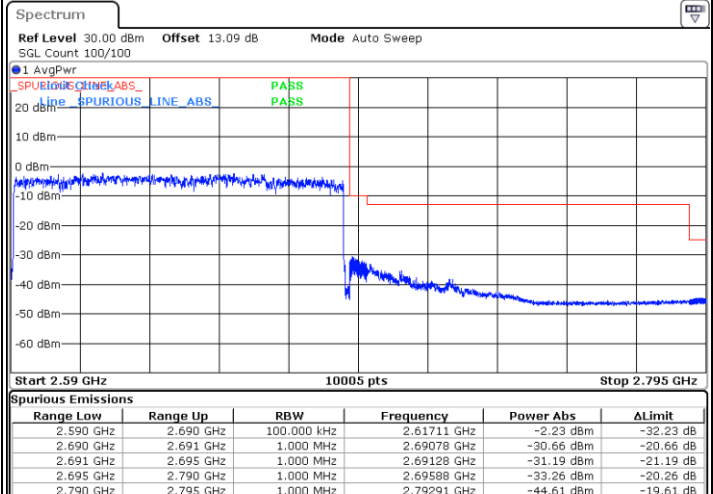
Date: 27.NOV.2020 18:24:51

100M-L-FULLRB-Q



Date: 27.NOV.2020 18:18:08

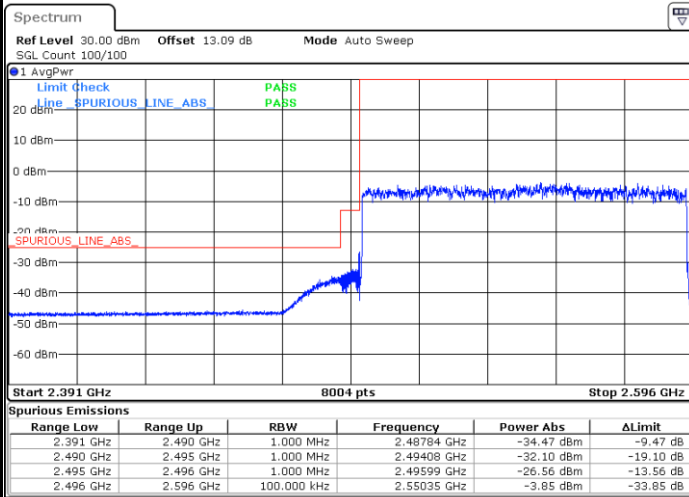
100M-H-FULLRB-Q



Date: 27.NOV.2020 18:25:21

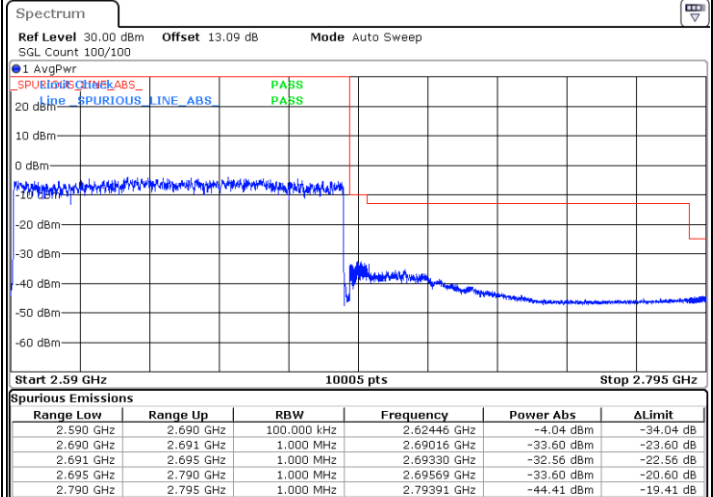


100M-L-FULLRB-16Q



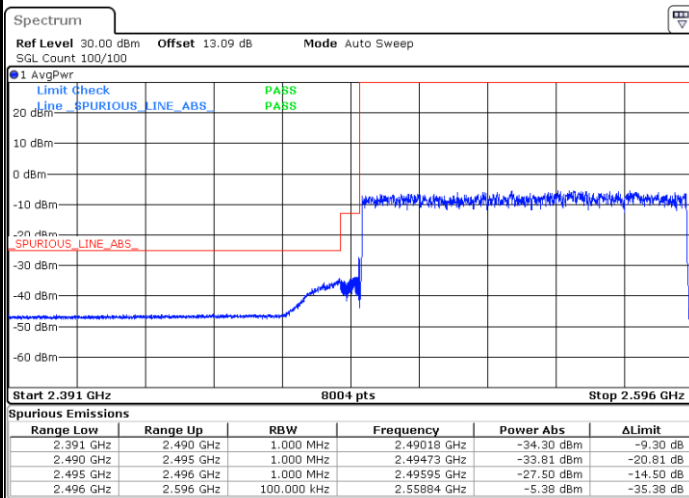
Date: 27.NOV.2020 18:19:07

100M-H-FULLRB-16Q



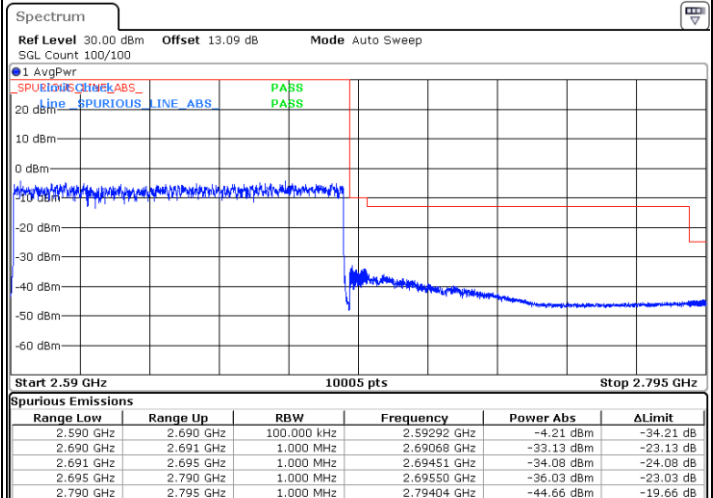
Date: 27.NOV.2020 18:26:23

100M-L-FULLRB-64Q

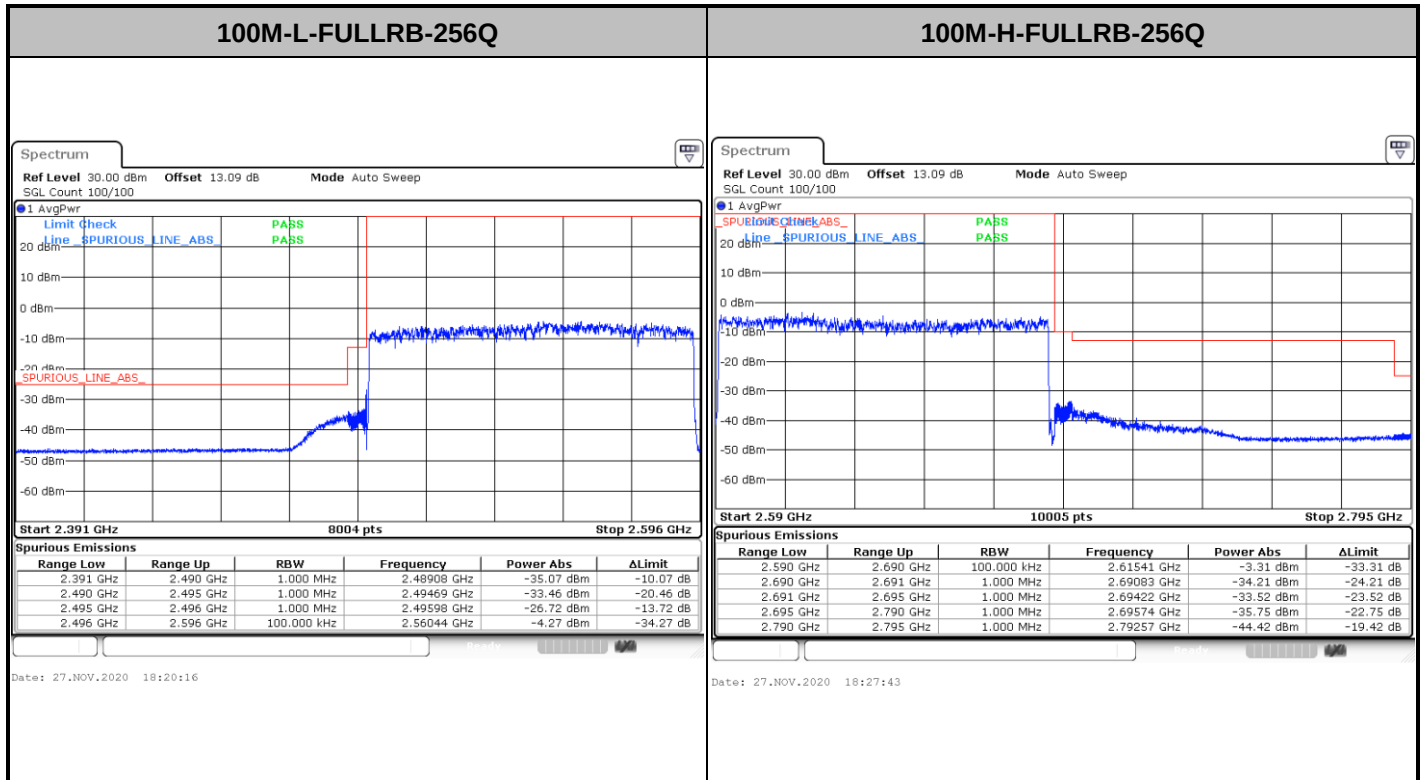


Date: 27.NOV.2020 18:19:36

100M-H-FULLRB-64Q



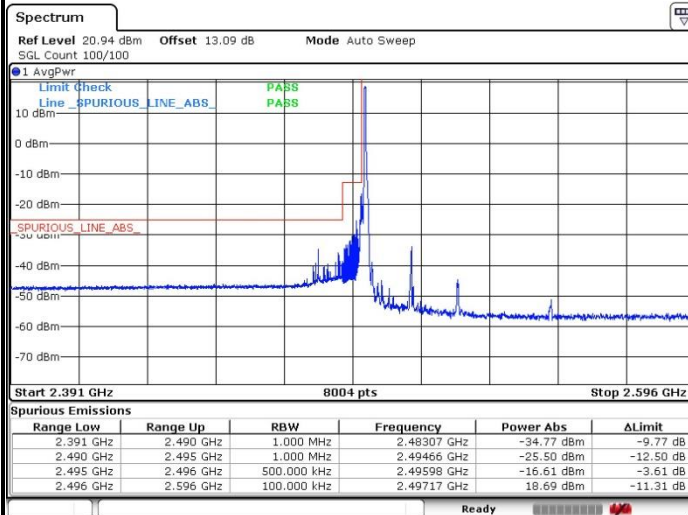
Date: 27.NOV.2020 18:27:10





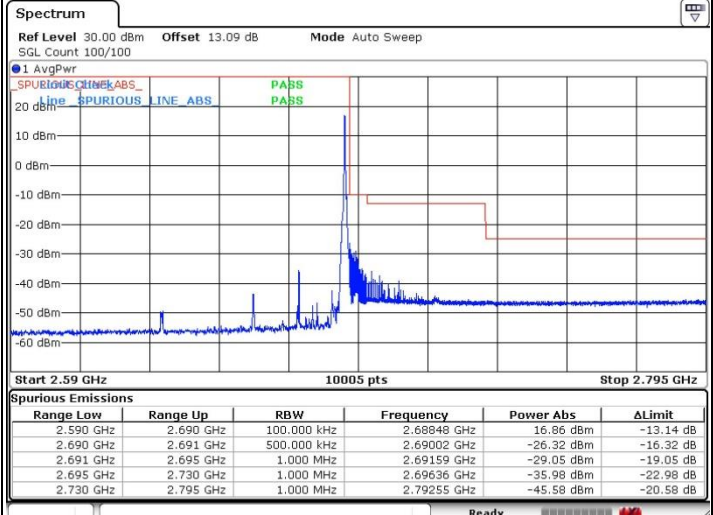
NR 30MHz

30M-L-1RB0-B



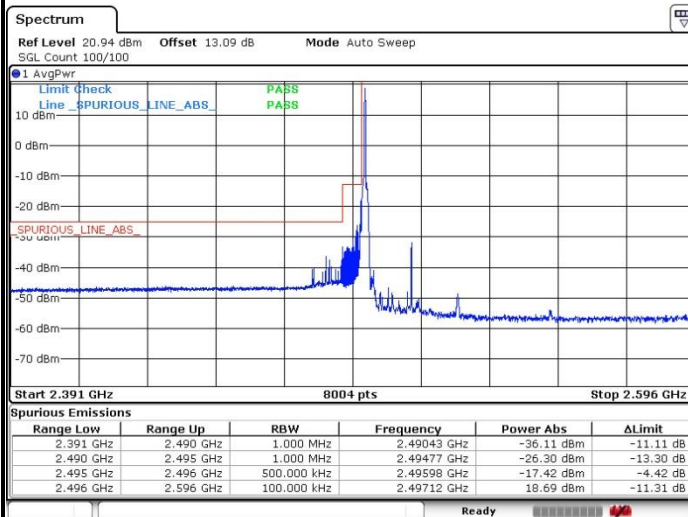
Date: 11 DEC 2020 22:22:10

30M-H-1RBMAX-B



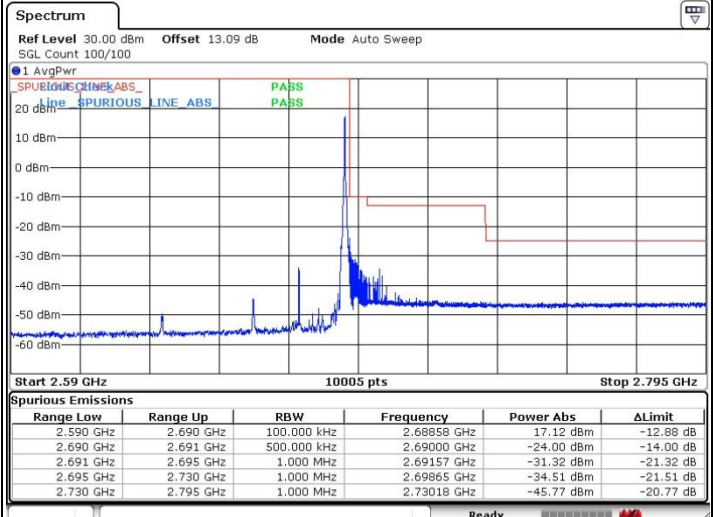
Date: 11 DEC 2020 22:29:13

30M-L-1RB0-Q



Date: 11 DEC 2020 22:22:58

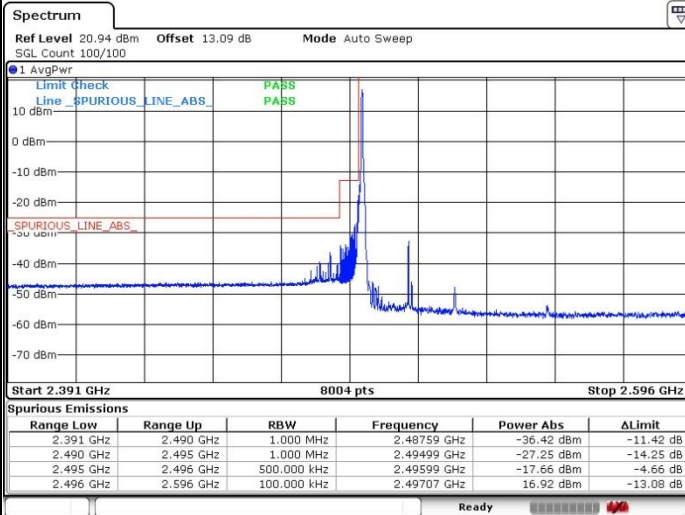
30M-H-1RBMAX-Q



Date: 11 DEC 2020 22:28:57

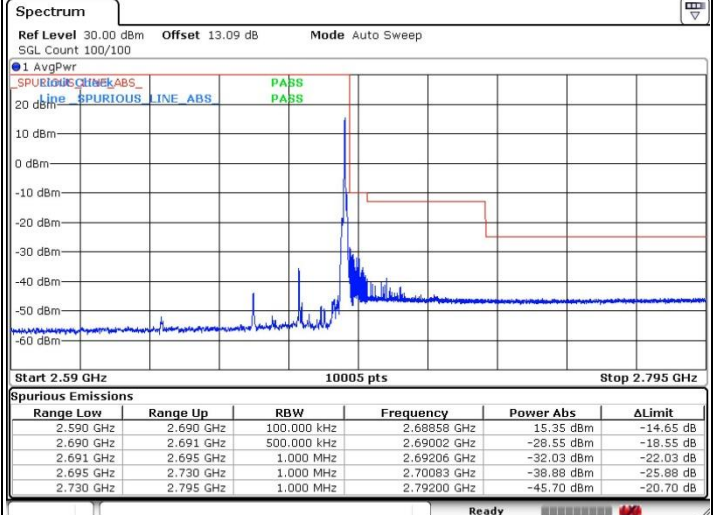


30M-L-1RB0-16Q



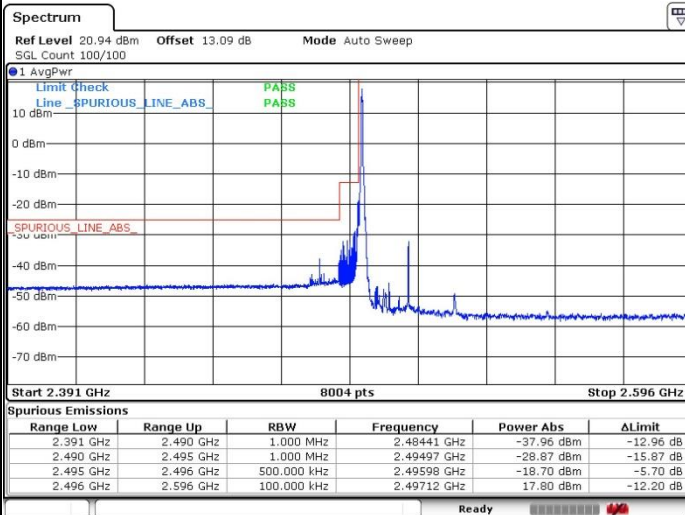
Date: 11 DEC 2020 22:23:26

30M-H-1RBMAX-16Q



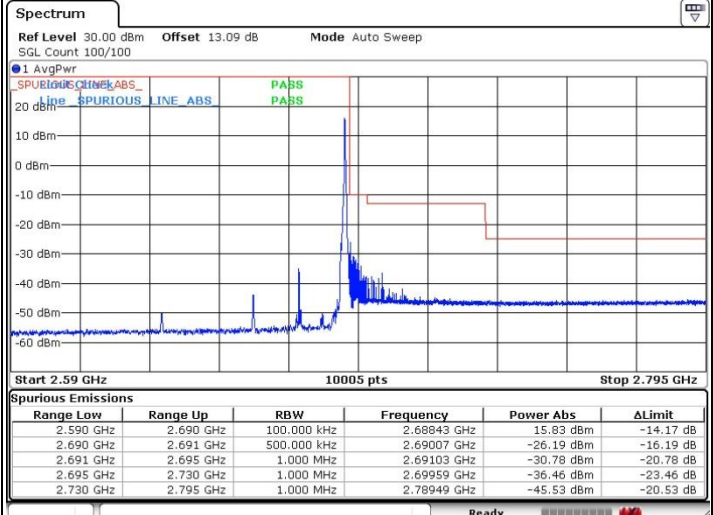
Date: 11 DEC 2020 22:28:14

30M-L-1RB0-64Q

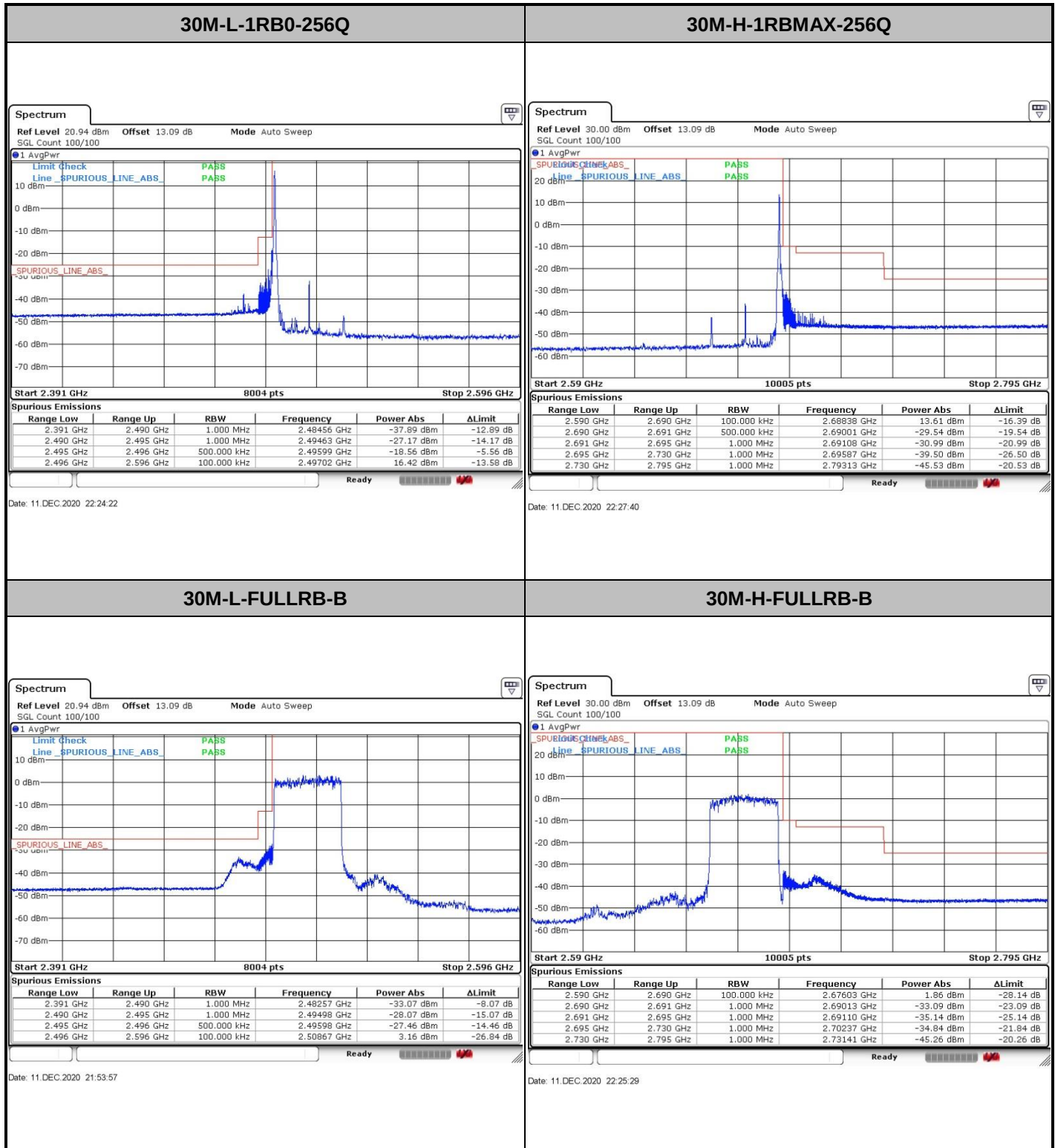


Date: 11 DEC 2020 22:23:57

30M-H-1RBMAX-64Q

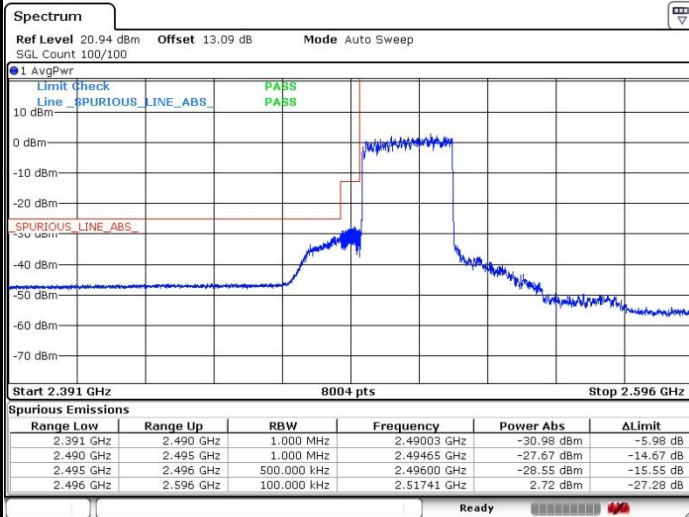


Date: 11 DEC 2020 22:28:32



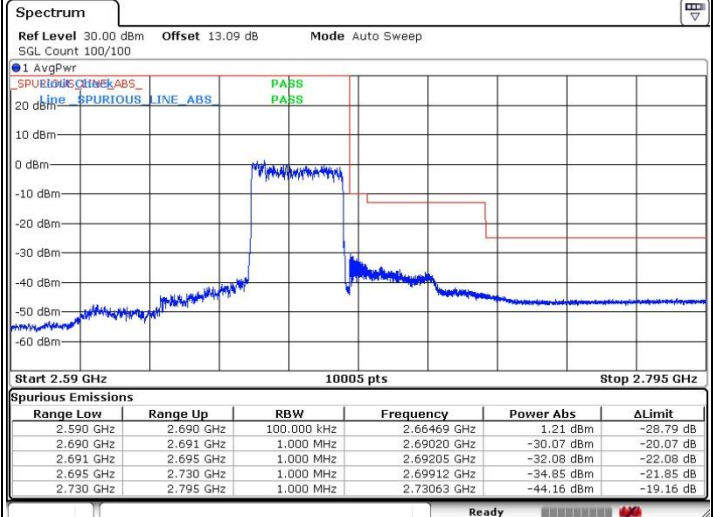


30M-L-FULLRB-Q



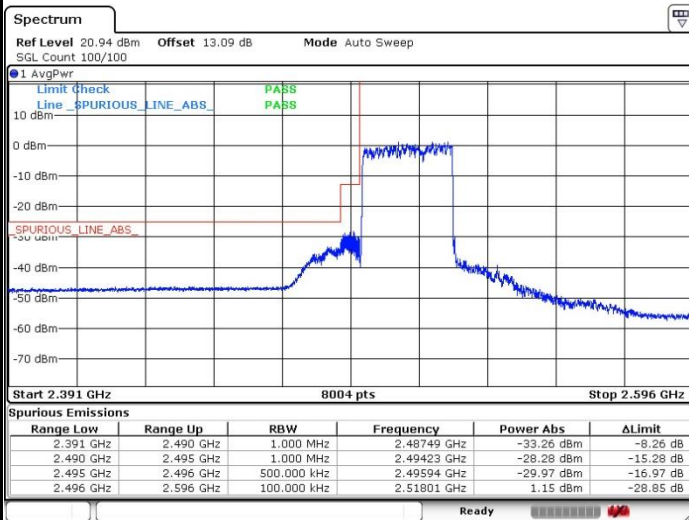
Date: 11 DEC 2020 21:54:42

30M-H-FULLRB-Q



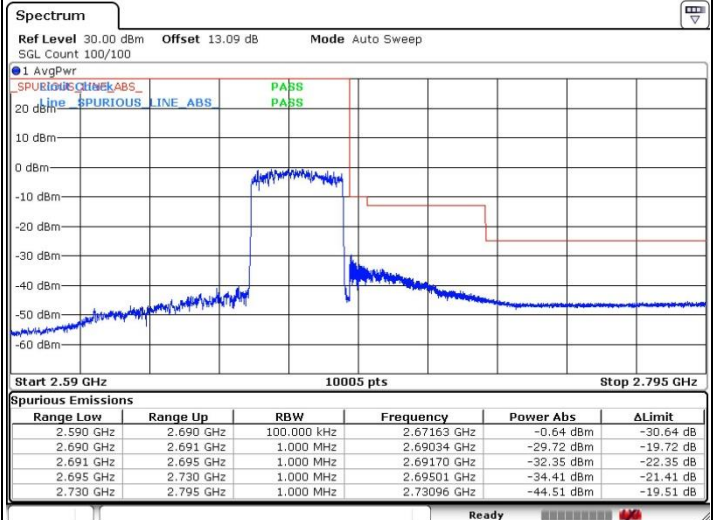
Date: 11 DEC 2020 22:25:54

30M-L-FULLRB-16Q



Date: 11 DEC 2020 21:55:01

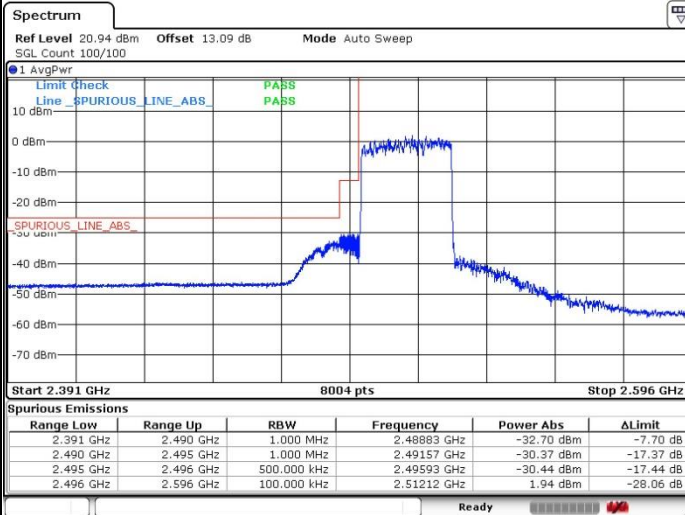
30M-H-FULLRB-16Q



Date: 11 DEC 2020 22:26:17

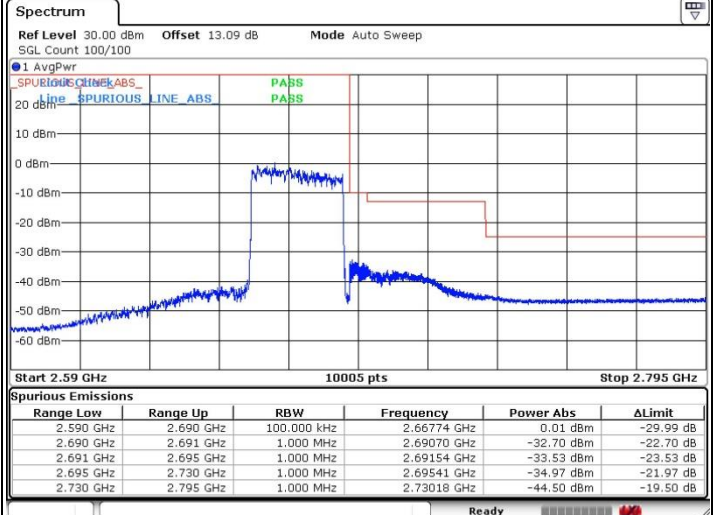


30M-L-FULLRB-64Q



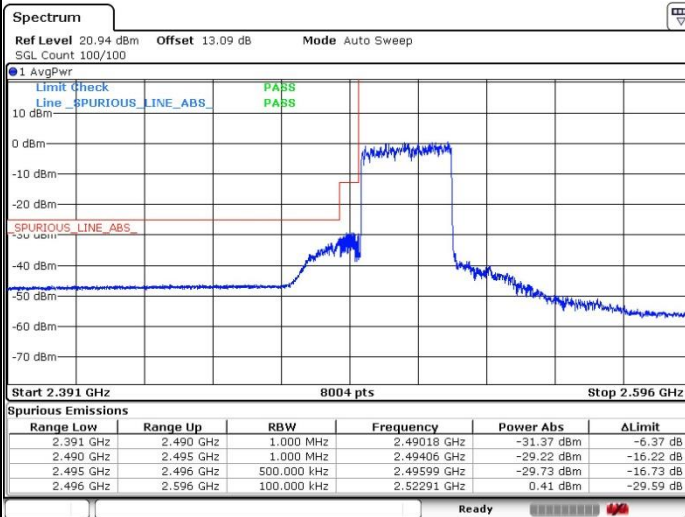
Date: 11 DEC 2020 21:55:22

30M-H-FULLRB-64Q



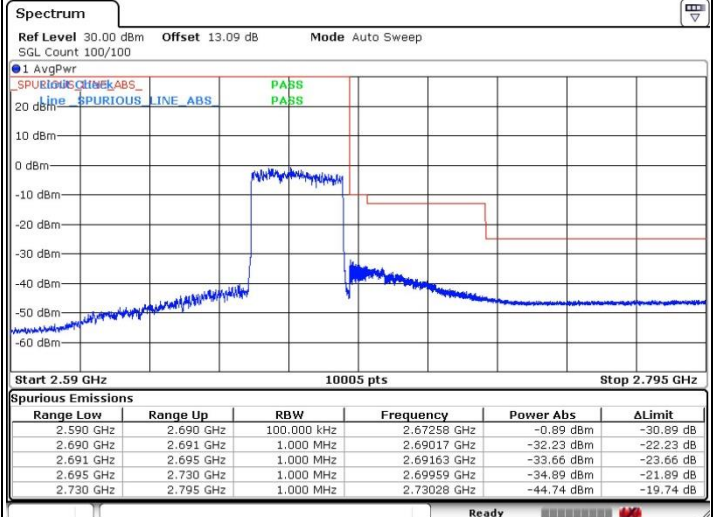
Date: 11 DEC 2020 22:26:38

30M-L-FULLRB-256Q



Date: 11 DEC 2020 22:19:40

30M-H-FULLRB-256Q



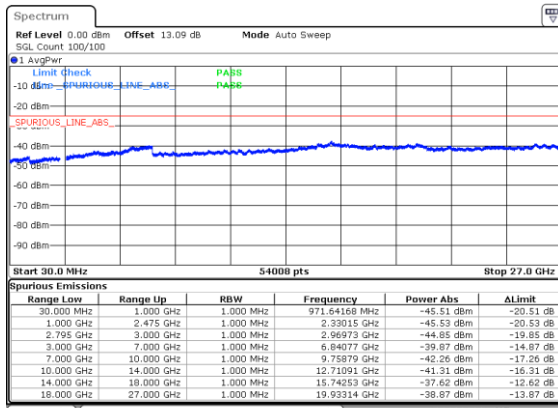
Date: 11 DEC 2020 22:27:01



Conducted Spurious Emission

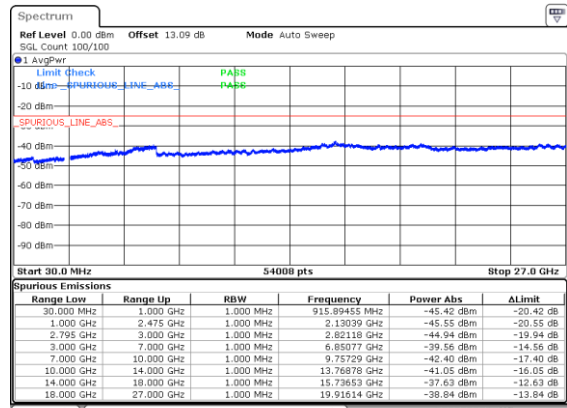
NR 20MHz

Lowest Channel / QPSK

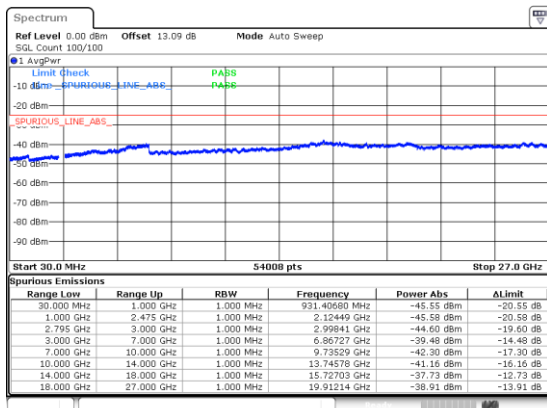


NR 40MHz

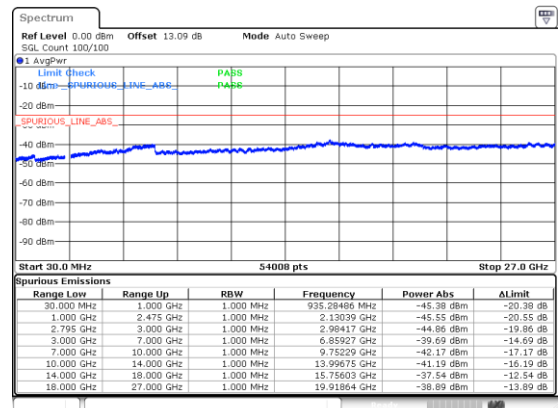
Lowest Channel / QPSK



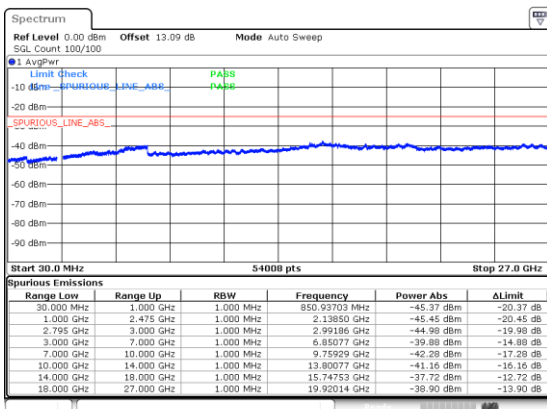
Middle Channel / QPSK



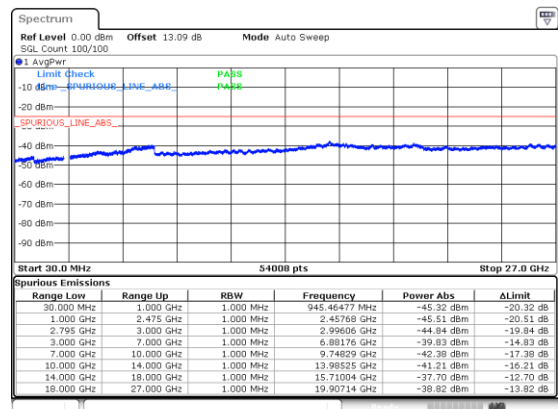
Middle Channel / QPSK



Highest Channel / QPSK



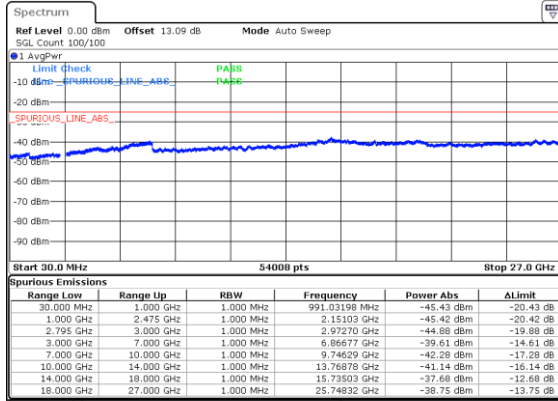
Highest Channel / QPSK





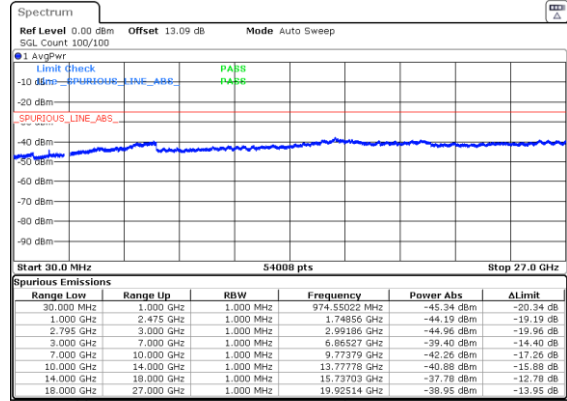
NR 50MHz

Lowest Channel / QPSK

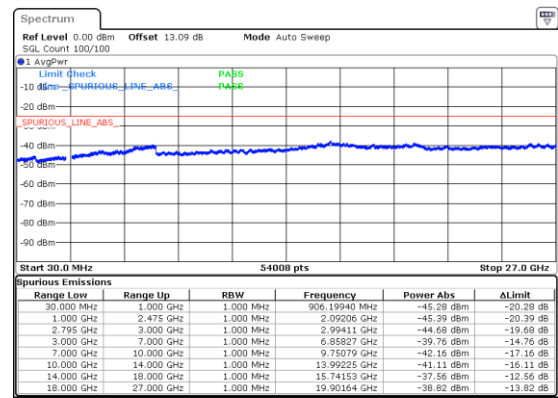


NR 60MHz

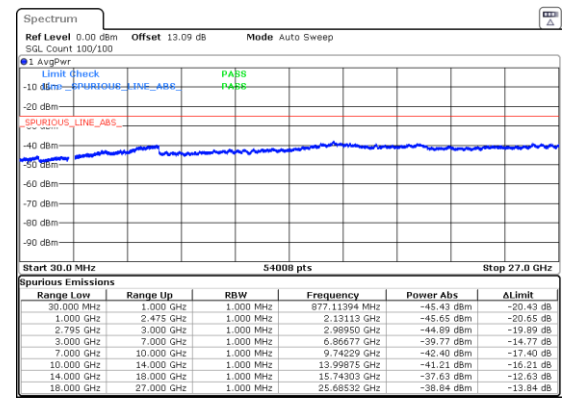
Lowest Channel / QPSK



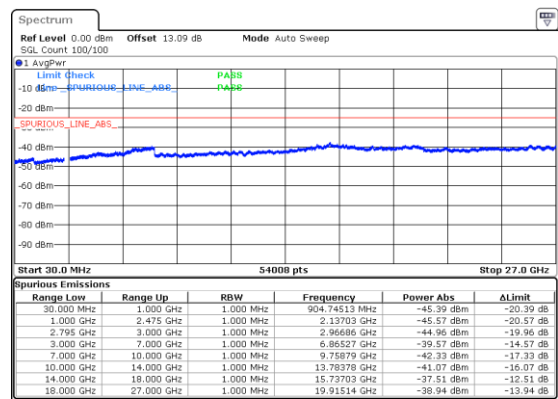
Middle Channel / QPSK



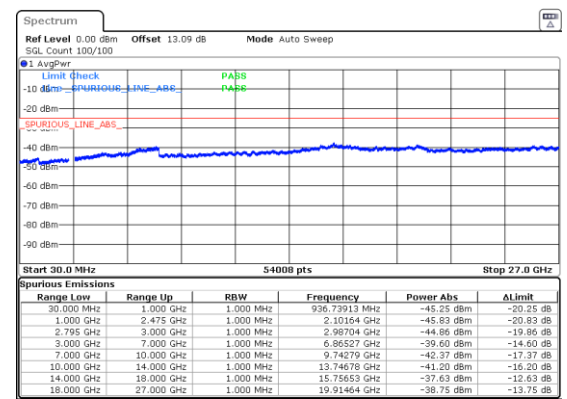
Middle Channel / QPSK



Highest Channel / QPSK



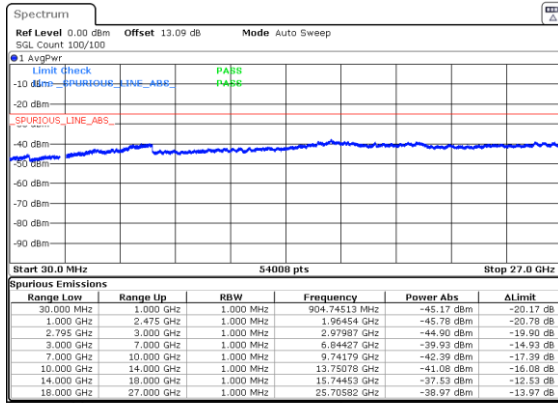
Highest Channel / QPSK





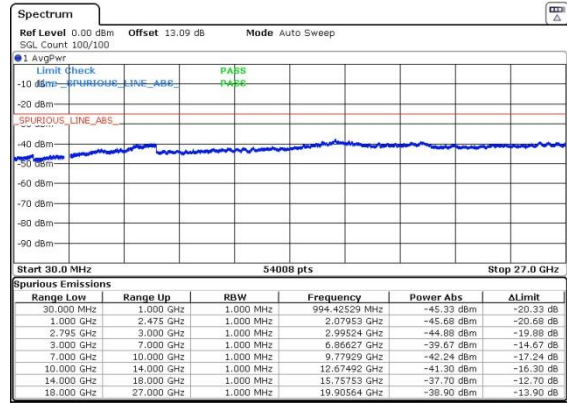
NR 80MHz

Lowest Channel / QPSK

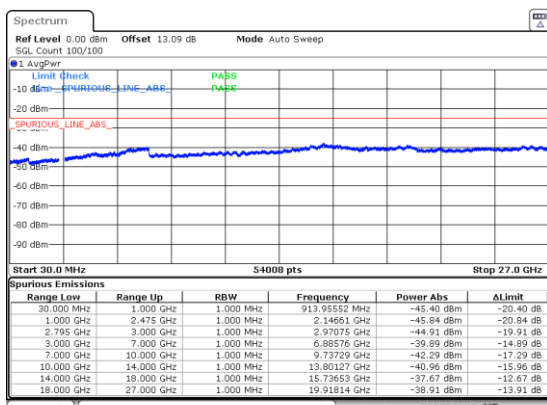


NR 90MHz

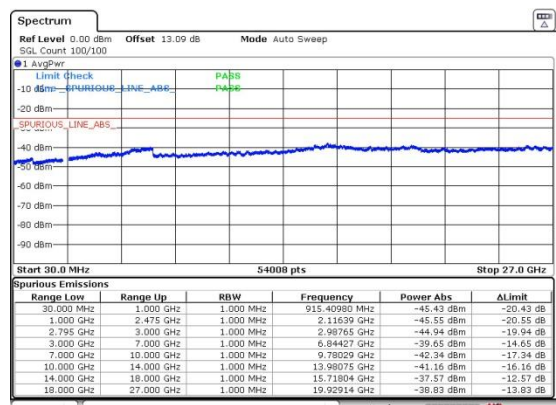
Lowest Channel / QPSK



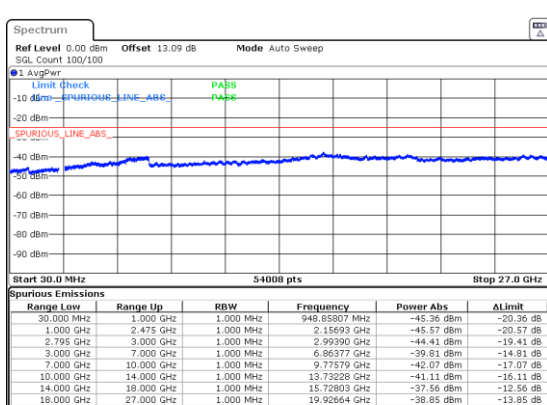
Middle Channel / QPSK



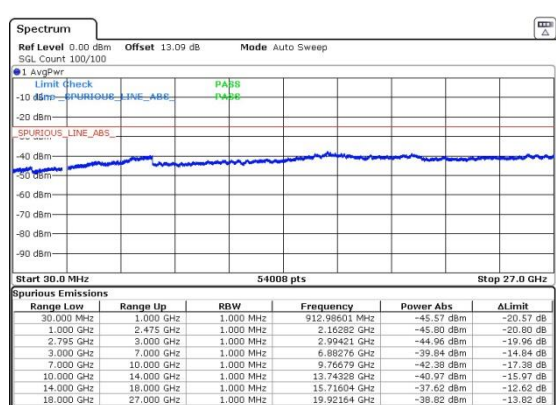
Middle Channel / QPSK



Highest Channel / QPSK



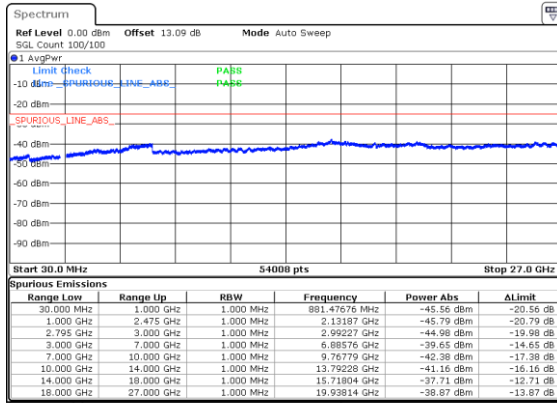
Highest Channel / QPSK





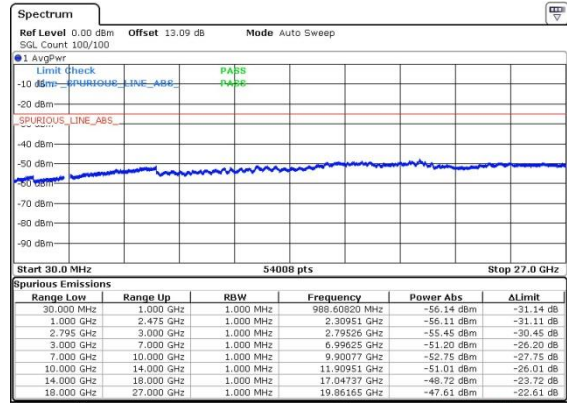
NR 100MHz

Lowest Channel / QPSK

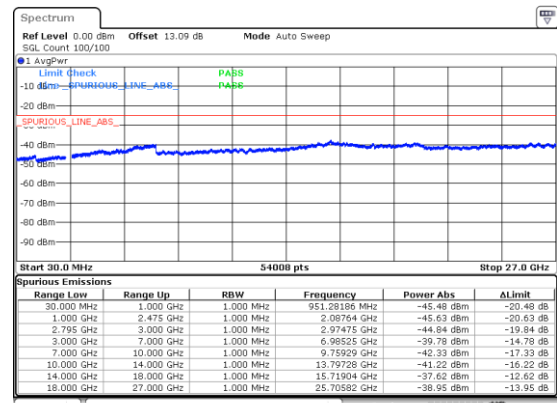


NR 30MHz

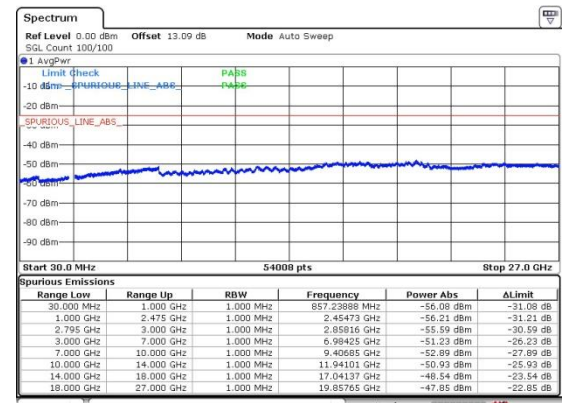
Lowest Channel / QPSK



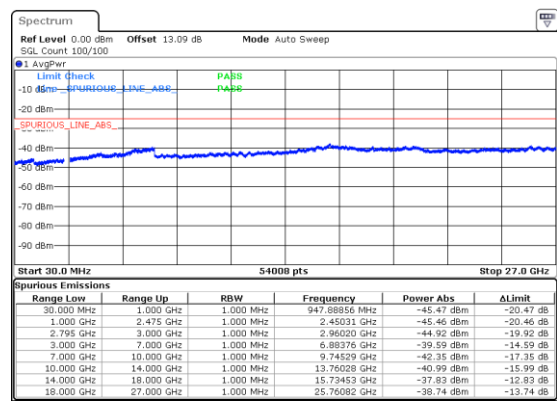
Middle Channel / QPSK



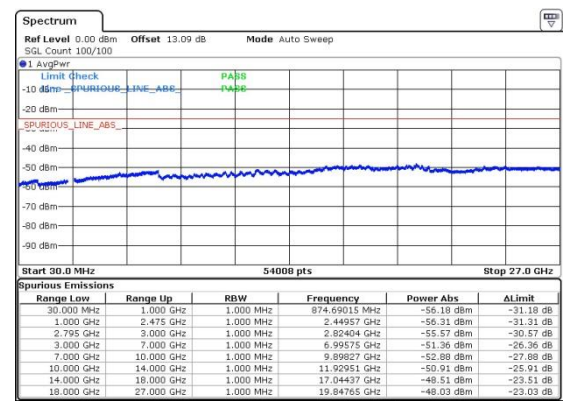
Middle Channel / QPSK



Highest Channel / QPSK



Highest Channel / QPSK



Frequency Stability

Test Conditions		n41A (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	NR 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

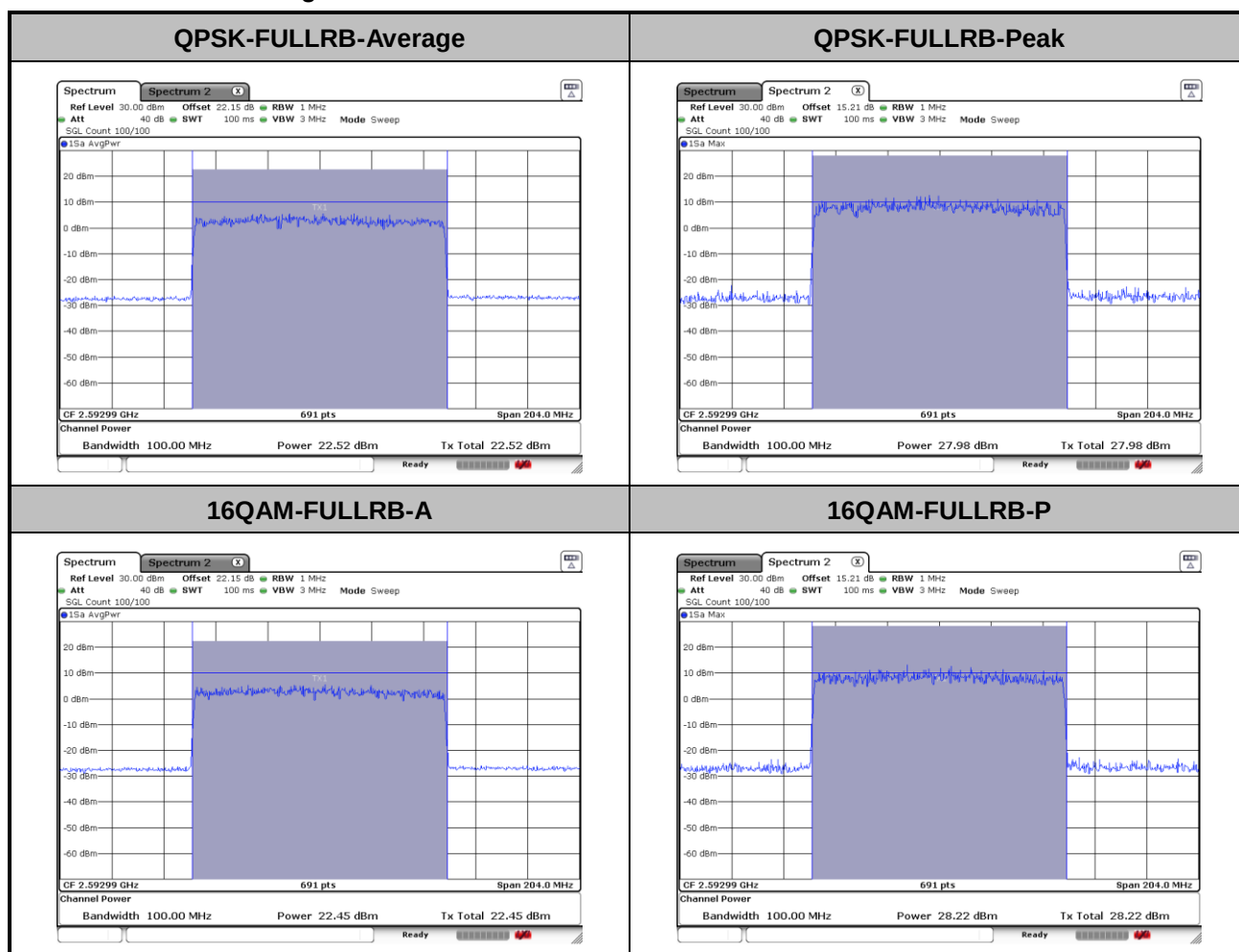


5G NR n41_UL_MIMO

Peak-to-Average Ratio

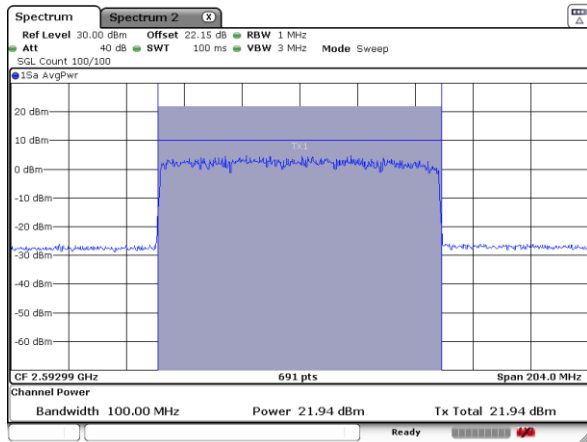
Mode	N 41 / 100MHz				
RB Size	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
Middle CH	5.46	5.77	5.6	5.73	PASS

Note: PAR=Peak-Average



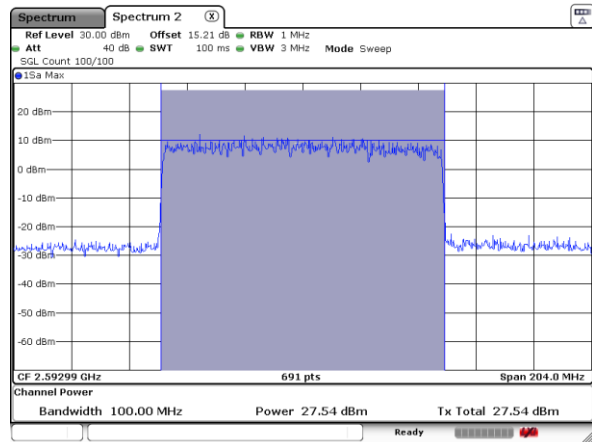


64QAM-FULLRB-A



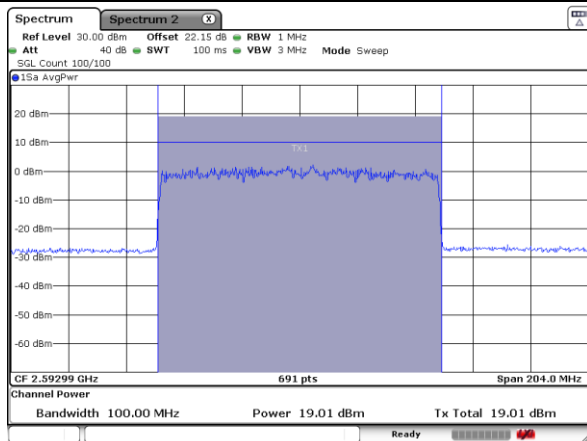
Date: 10 DEC 2020 09:42:09

64QAM-FULLRB-P



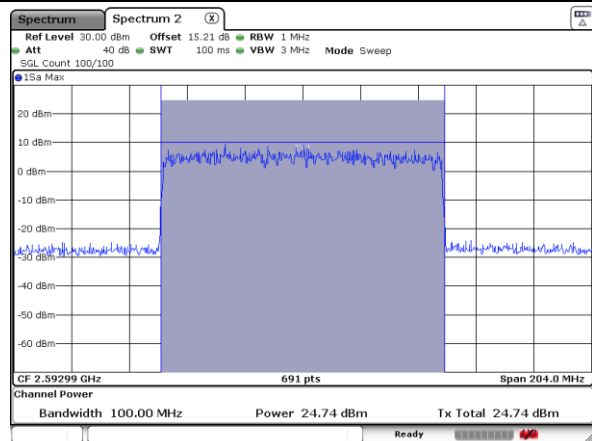
Date: 10 DEC 2020 09:41:44

256QAM-FULLRB-A



Date: 10 DEC 2020 09:42:34

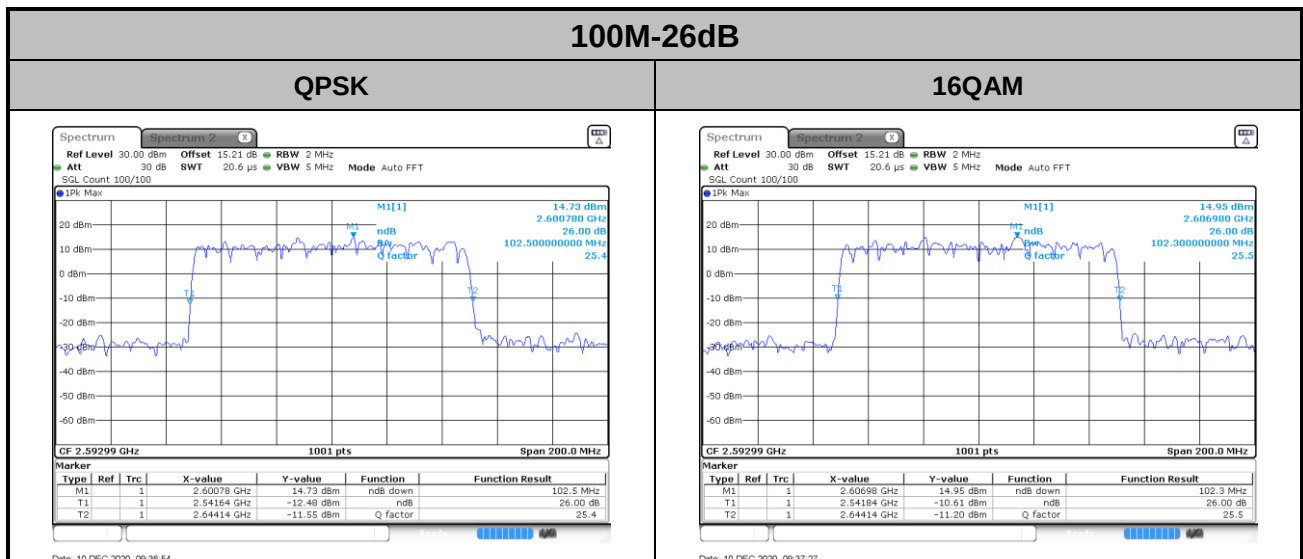
256QAM-FULLRB-P



Date: 10 DEC 2020 09:42:59

**26dB Bandwidth**

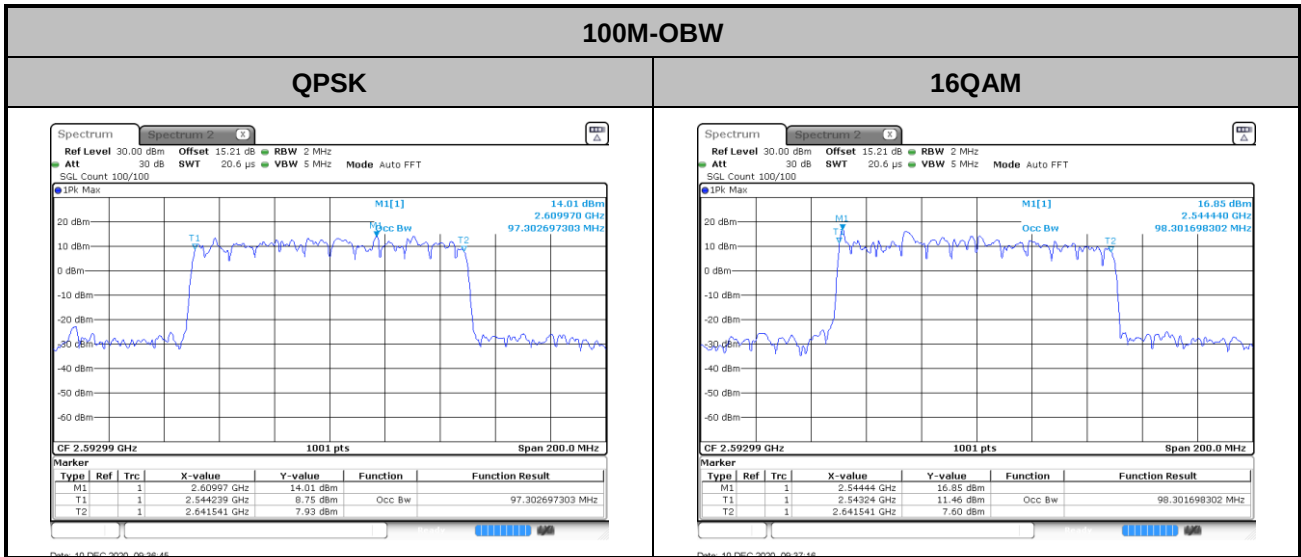
Mode	N 41 : 26dB BW(MHz)	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	102.5	102.3

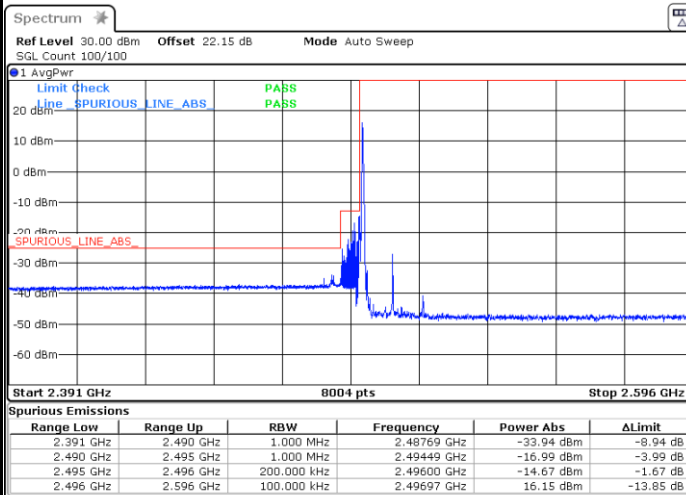




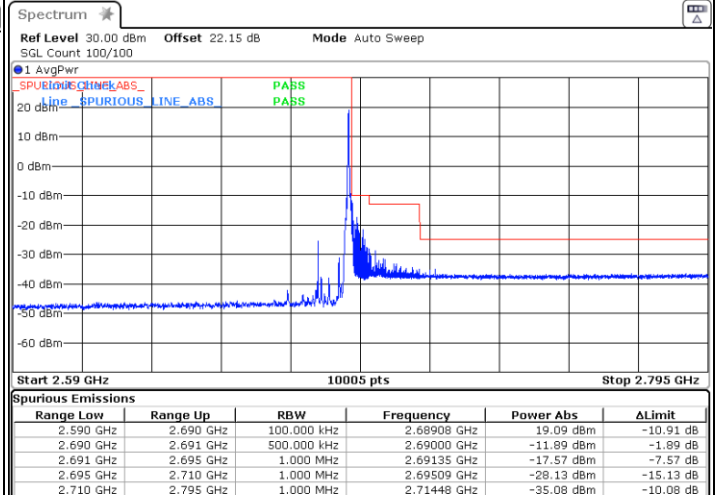
Occupied Bandwidth

Mode	N 41 : OBW(MHz)	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	97.303	98.302

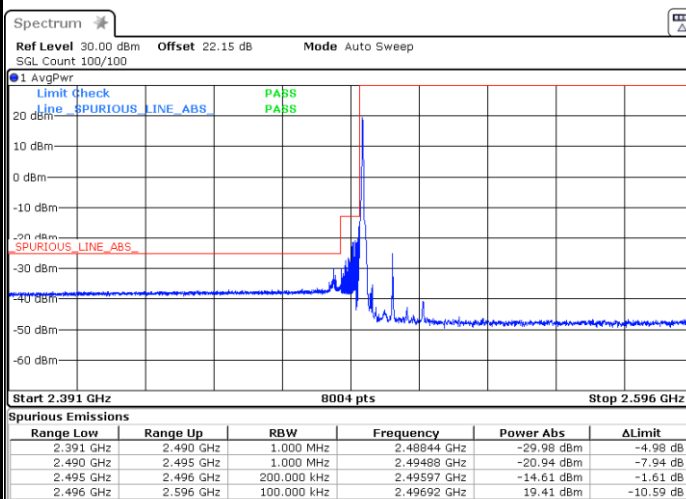


**Conducted Band Edge****NR 20MHz****20M-L-1RB0-Q**

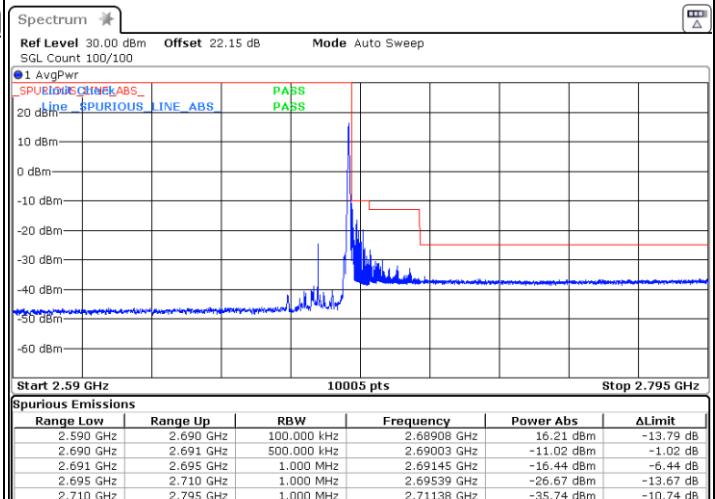
Date: 10 DEC 2020 16:01:42

20M-H-1RBMAX-Q

Date: 10 DEC 2020 16:04:47

20M-L-1RB0-16Q

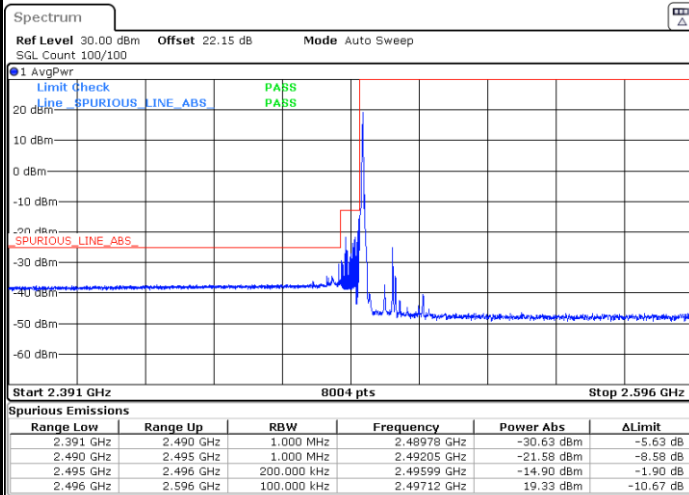
Date: 10 DEC 2020 16:02:06

20M-H-1RBMAX-16Q

Date: 10 DEC 2020 16:05:12

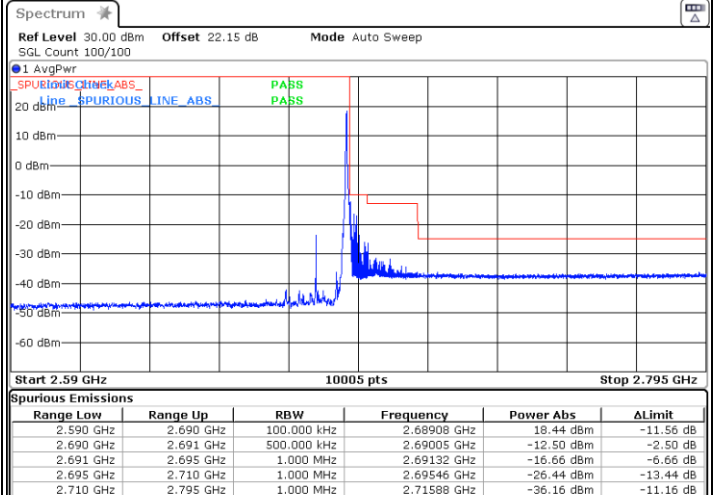


20M-L-1RB0-64Q



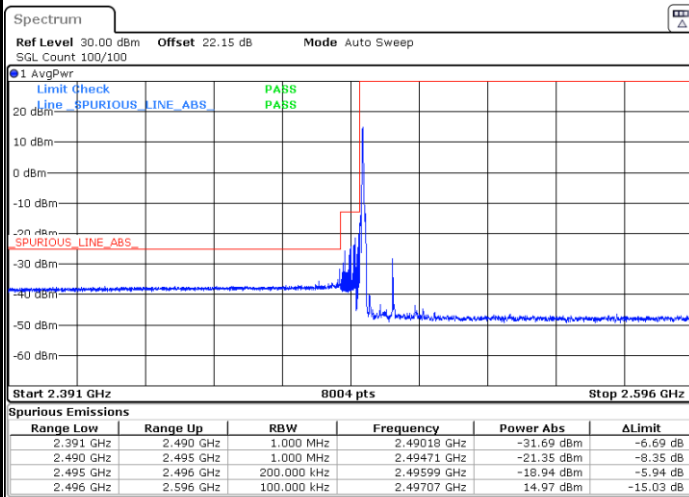
Date: 10 DEC 2020 16:02:19

20M-H-1RBMAX-64Q



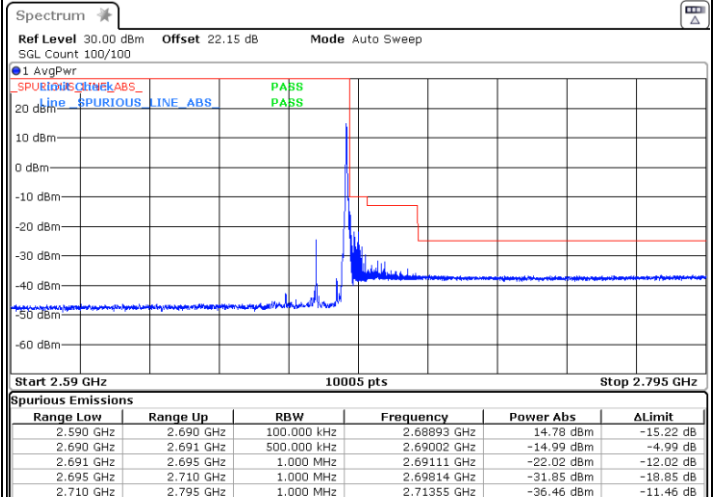
Date: 10 DEC 2020 16:05:38

20M-L-1RB0-256Q



Date: 10 DEC 2020 16:02:33

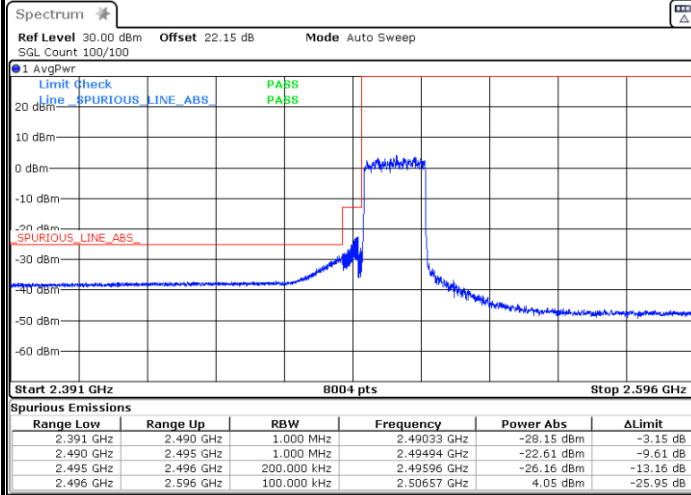
20M-H-1RBMAX-256Q



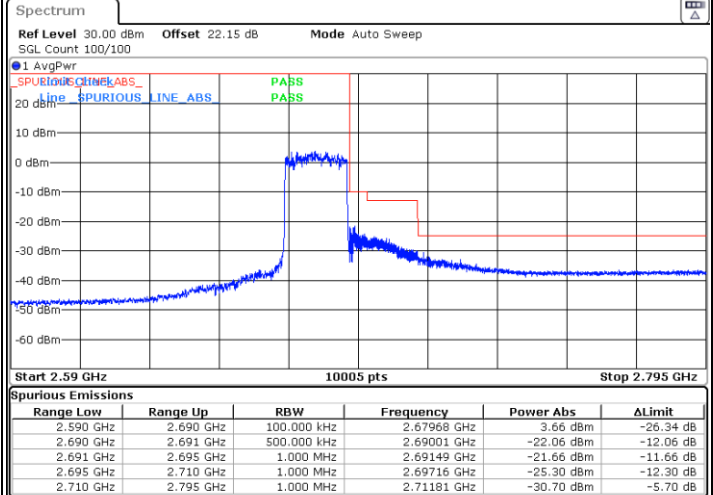
Date: 10 DEC 2020 16:06:03



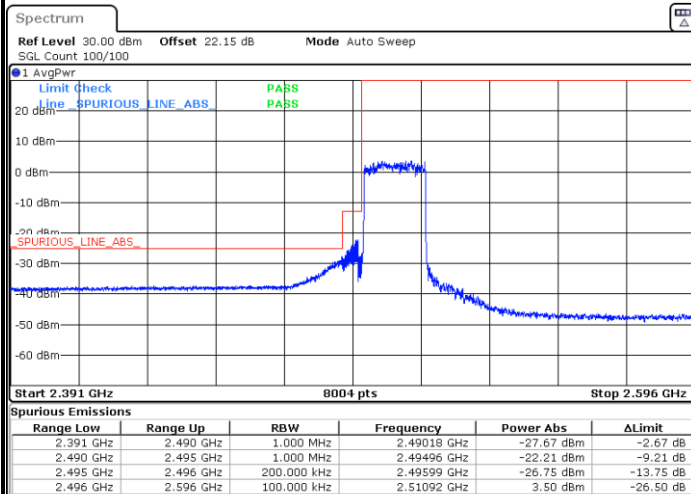
20M-L-FULLRB-Q



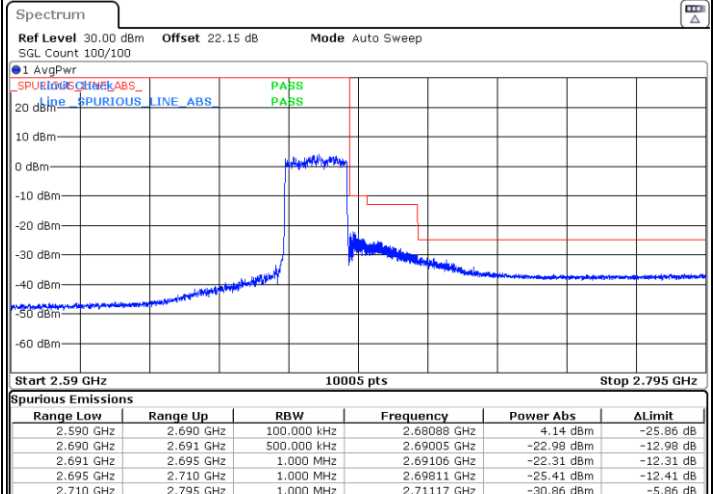
20M-H-FULLRB-Q



20M-L-FULLRB-16Q

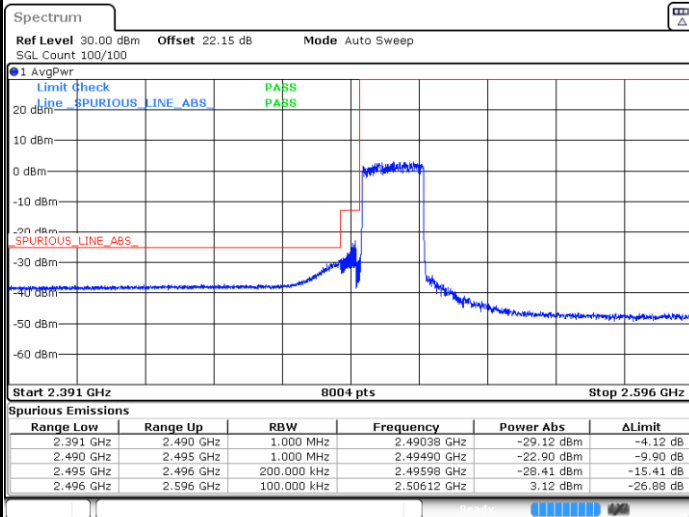


20M-H-FULLRB-16Q



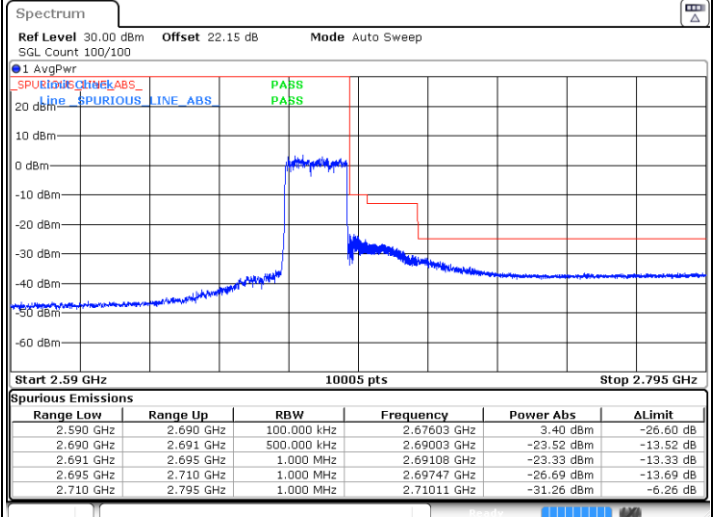


20M-L-FULLRB-64Q



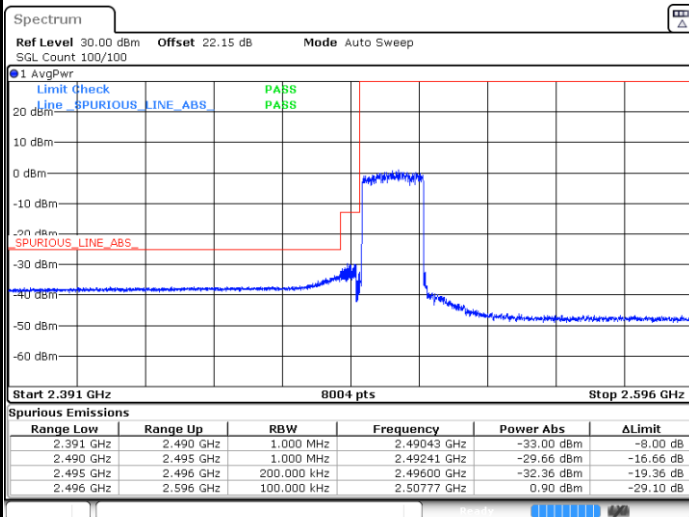
Date: 10 DEC 2020 16:00:55

20M-H-FULLRB-64Q



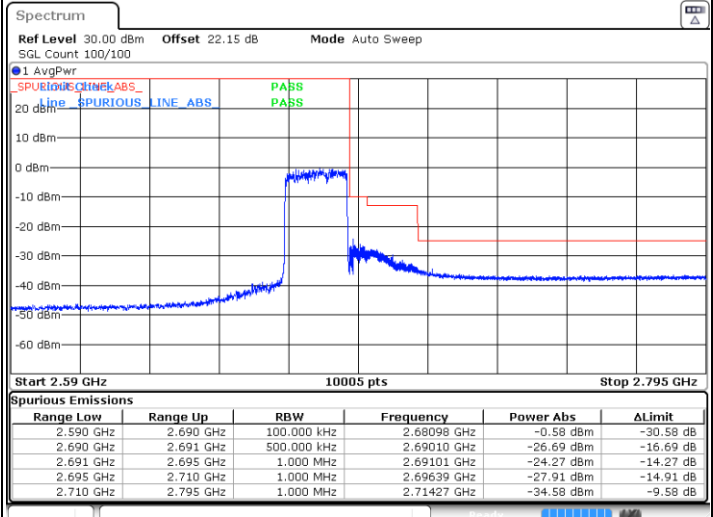
Date: 10 DEC 2020 16:03:52

20M-L-FULLRB-256Q



Date: 10 DEC 2020 16:01:08

20M-H-FULLRB-256Q

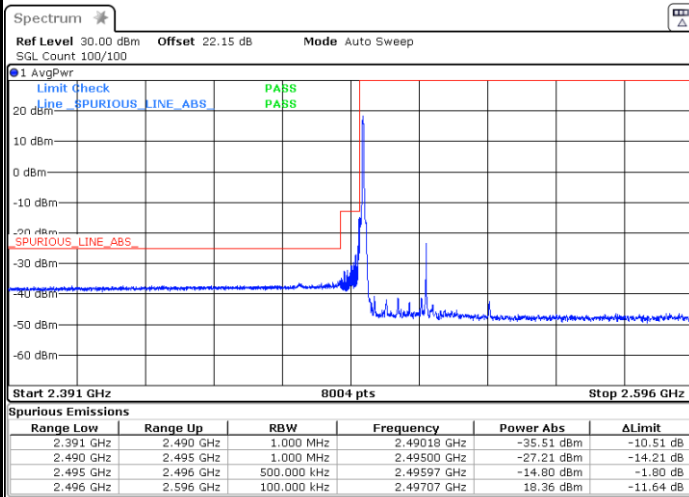


Date: 10 DEC 2020 16:04:06

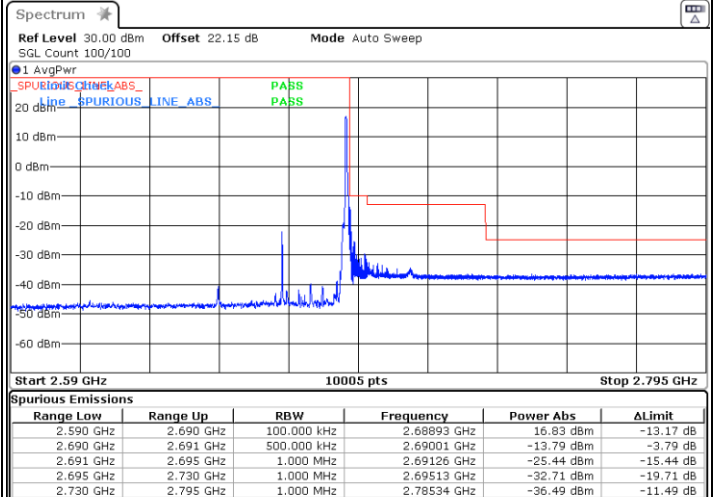


NR 40MHz

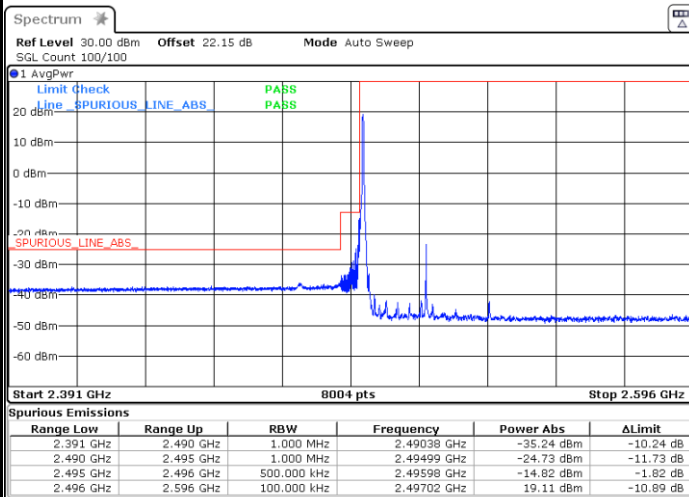
40M-L-1RB0-Q



40M-H-1RBMAX-Q



40M-L-1RB0-16Q



40M-H-1RBMAX-16Q

