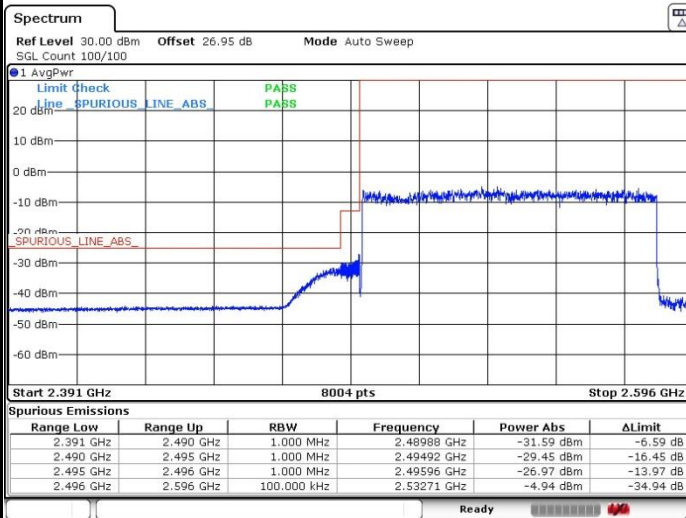


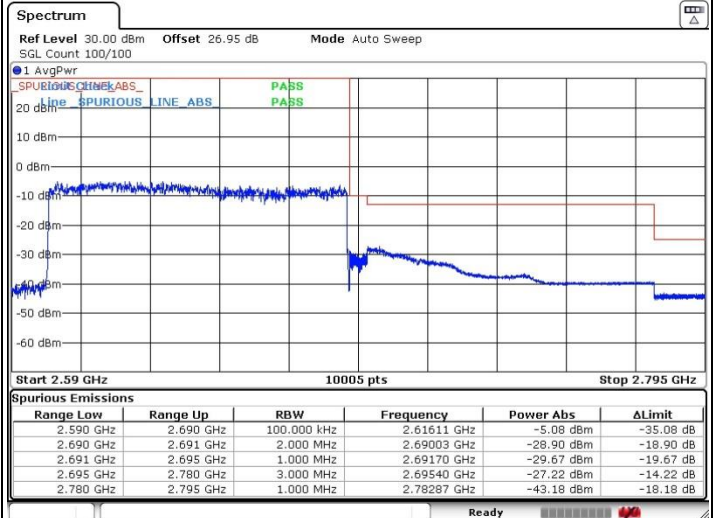


90M-L-FULLRB-64QAM



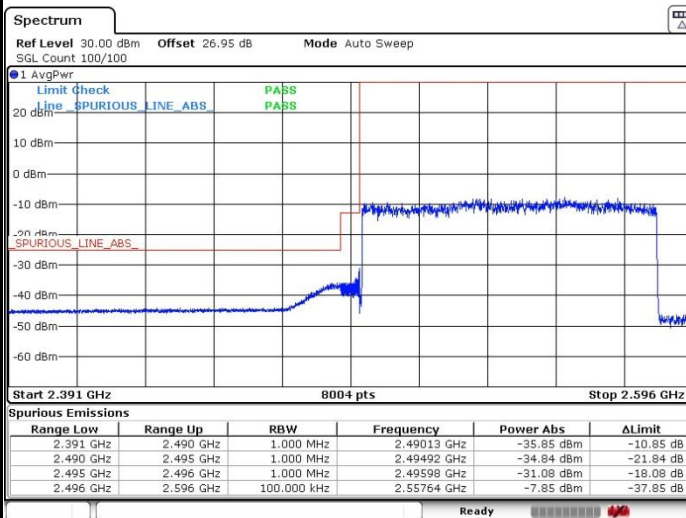
Date: 13 JAN 2021 01:10:49

90M-H-FULLRB-64QAM



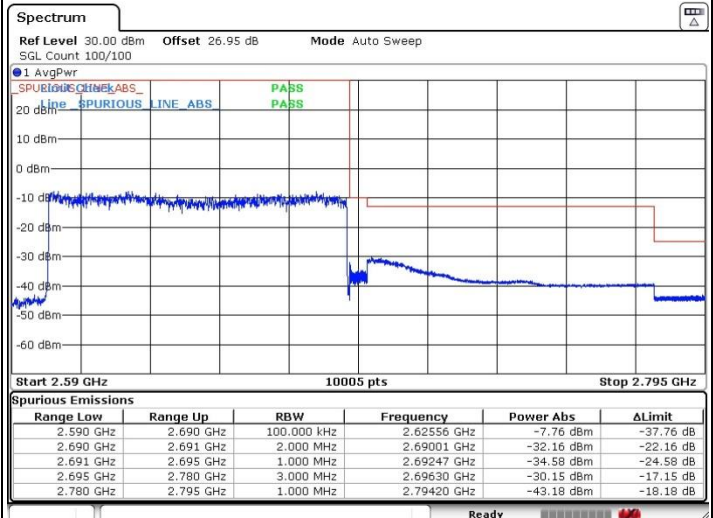
Date: 13 JAN 2021 01:27:49

90M-L-FULLRB-256QAM



Date: 13 JAN 2021 01:11:03

90M-H-FULLRB-256QAM

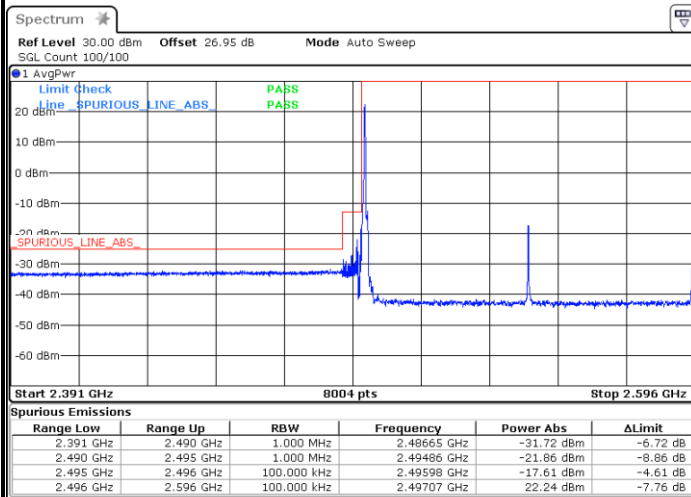


Date: 13 JAN 2021 01:28:02



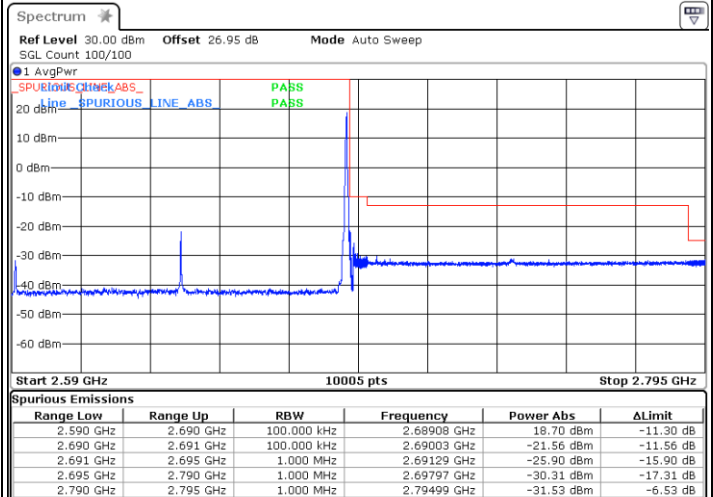
n41_UL MIMO / NR 100MHz

100M-L-1RB0-QPSK



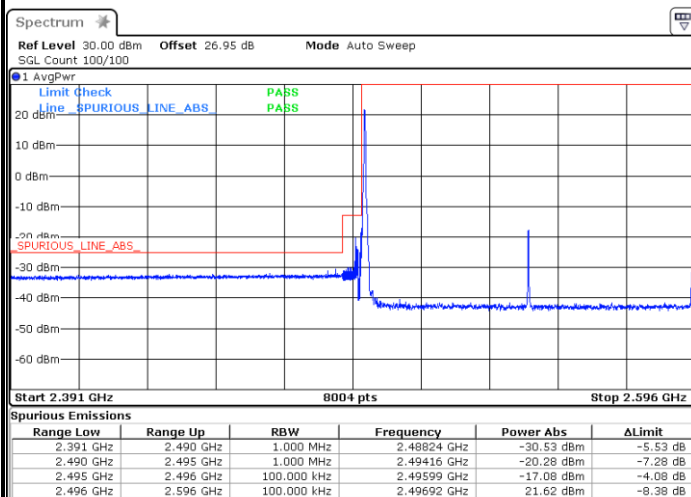
Date: 14.JAN.2021 20:59:05

100M-H-1RBMAX-QPSK



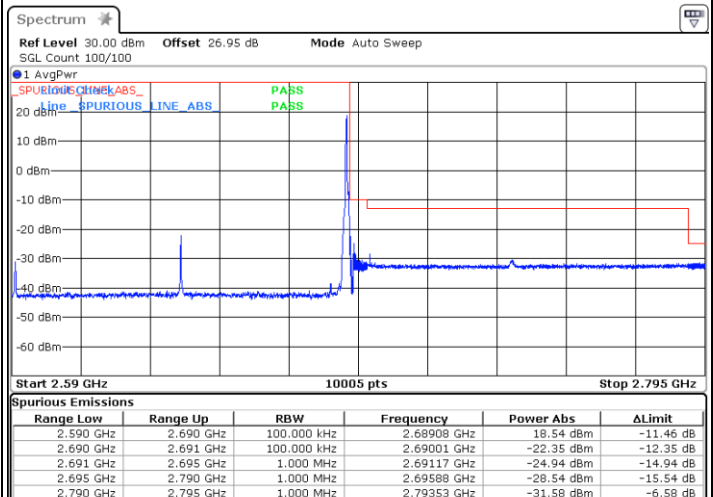
Date: 14.JAN.2021 21:12:43

100M-L-1RB0-16QAM



Date: 14.JAN.2021 20:59:41

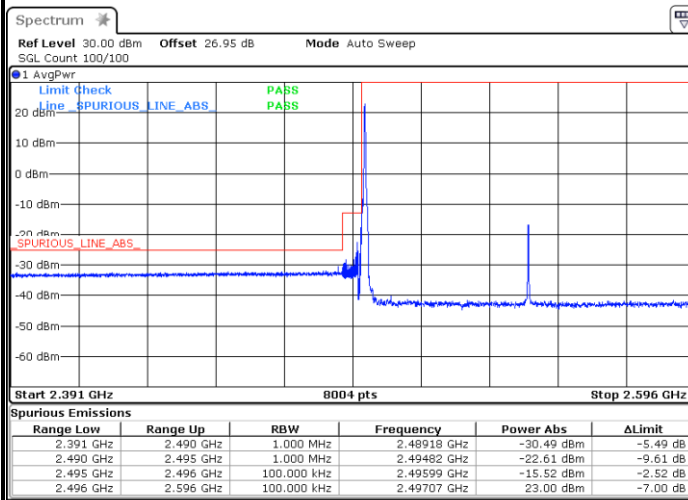
100M-H-1RBMAX-16QAM



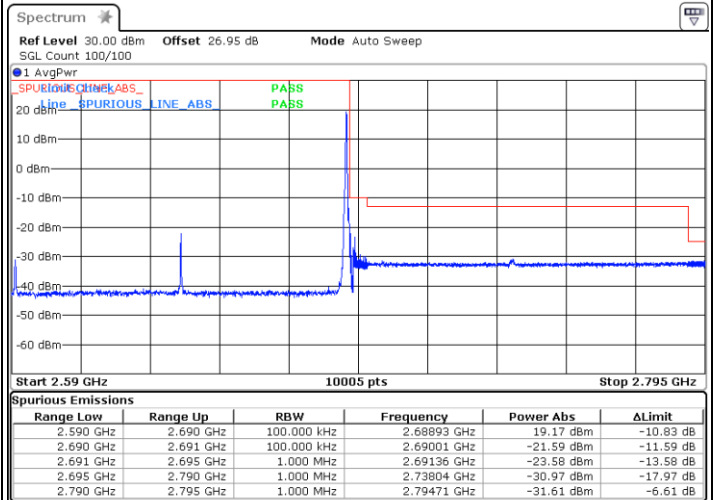
Date: 14.JAN.2021 21:13:06



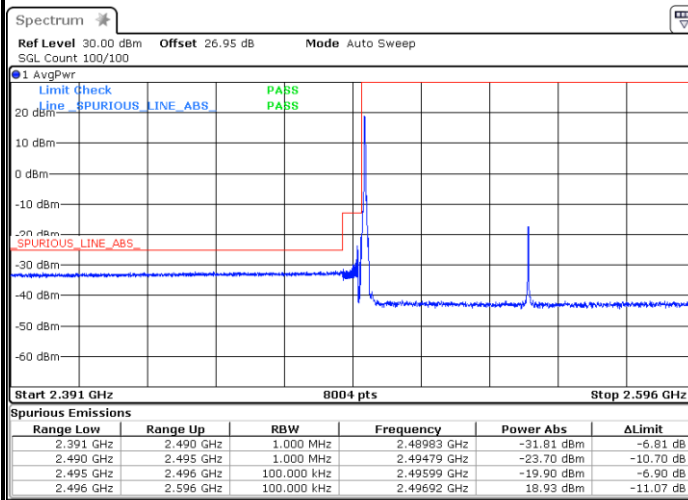
100M-L-1RB0-64QAM



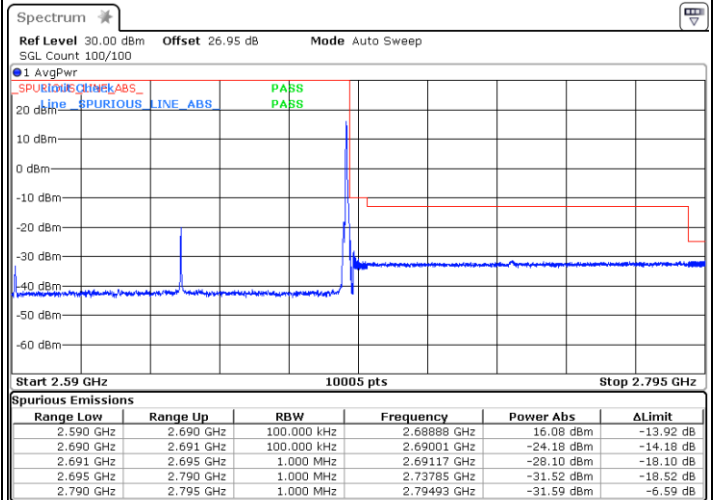
100M-H-1RBMAX-64QAM



100M-L-1RB0-256QAM

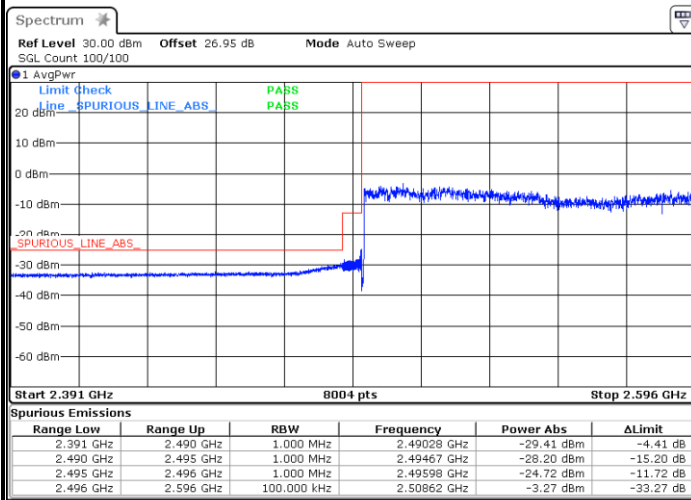


100M-H-1RBMAX-256QAM

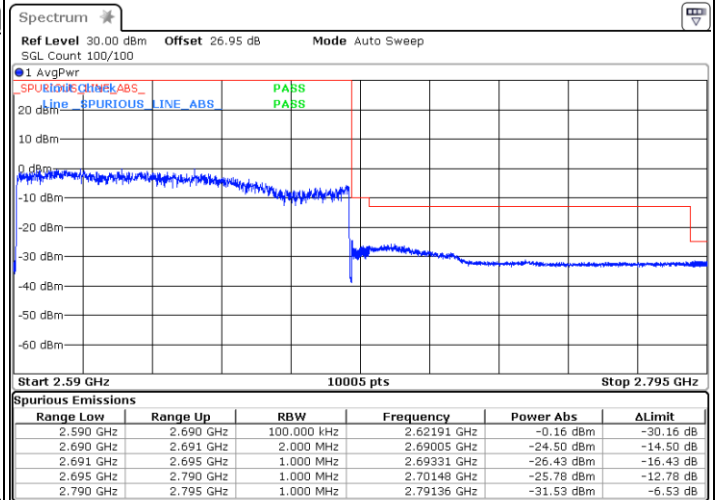




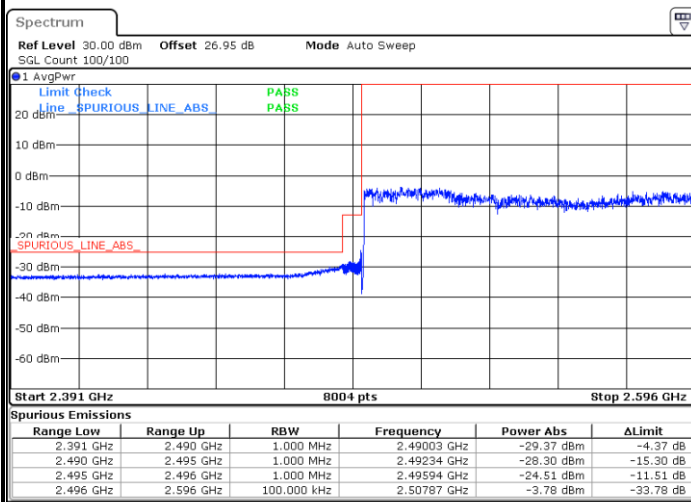
100M-L-FULLRB-QPSK



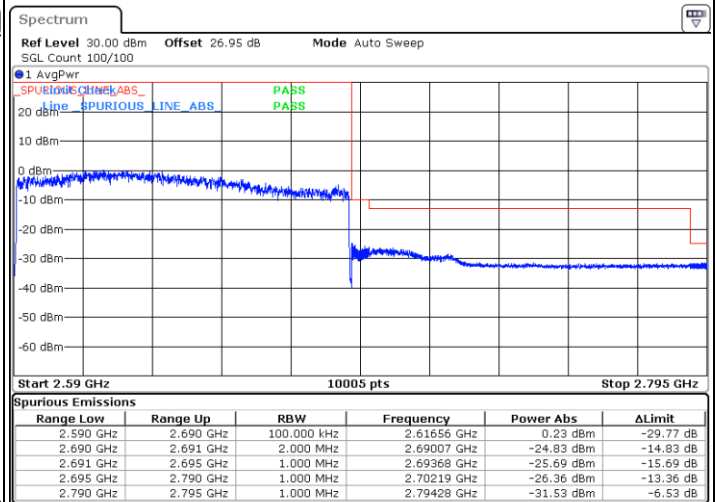
100M-H-FULLRB-QPSK



100M-L-FULLRB-16QAM

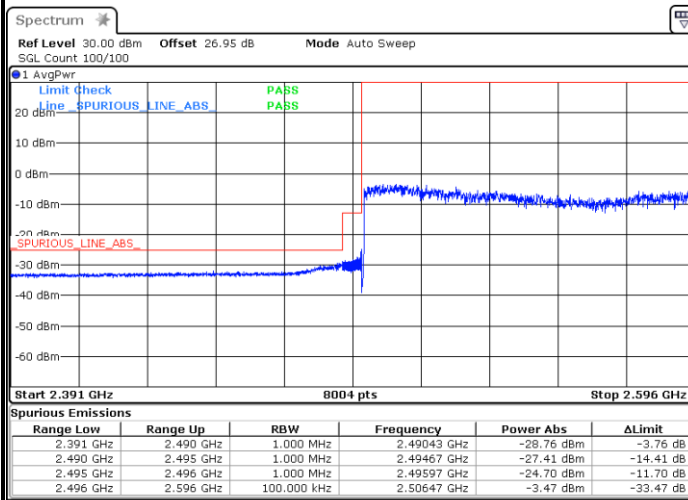


100M-H-FULLRB-16QAM

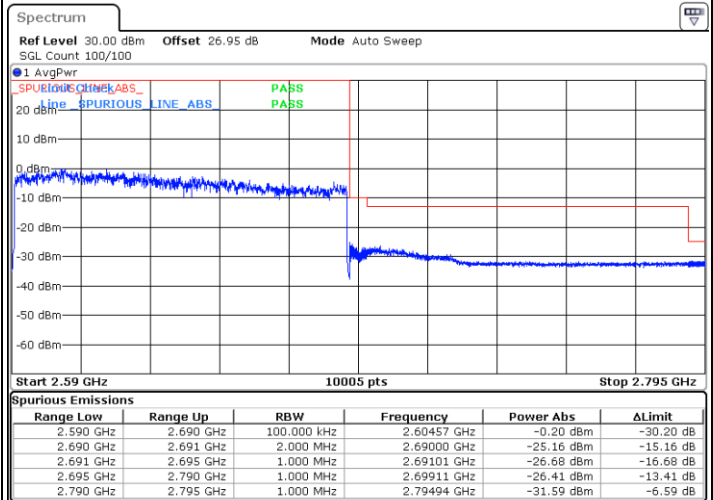




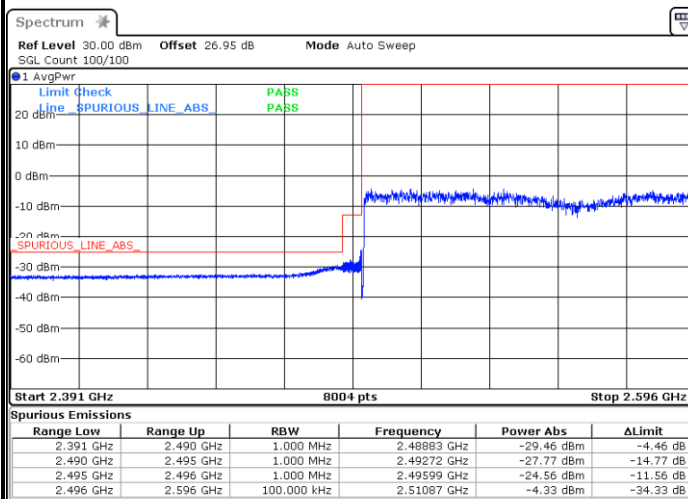
100M-L-FULLRB-64QAM



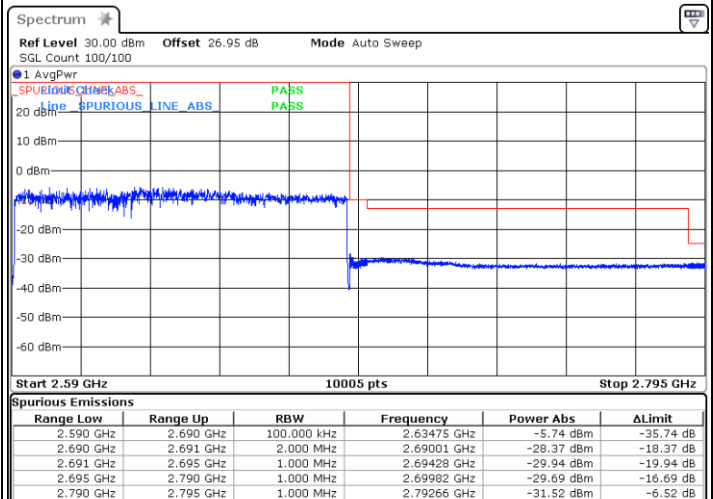
100M-H-FULLRB-64QAM



100M-L-FULLRB-256QAM



100M-H-FULLRB-256QAM

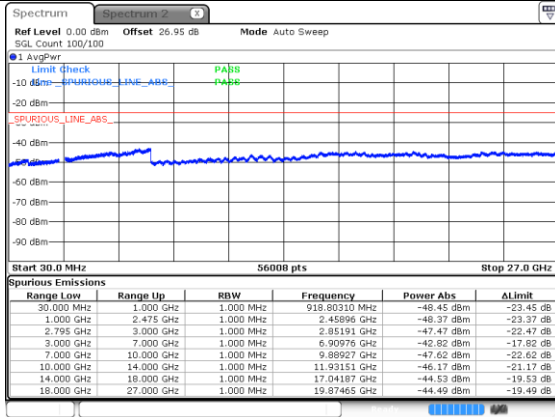




Conducted Spurious Emission

NR 20MHz

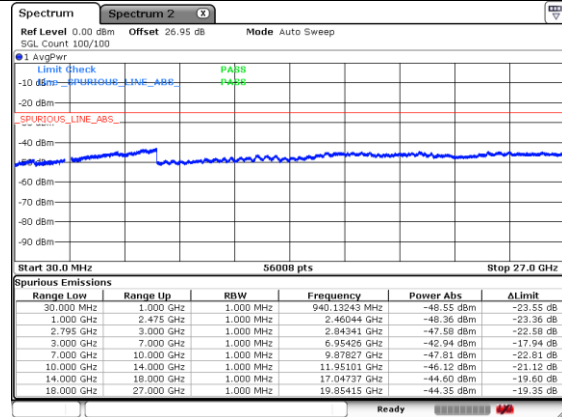
Lowest Channel / QPSK



Date: 13 JAN 2021 02:06:44

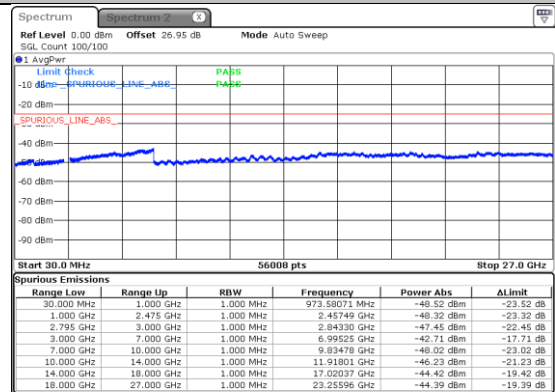
NR 30MHz

Lowest Channel / QPSK



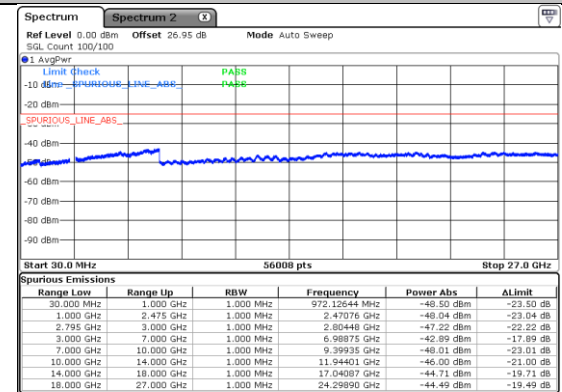
Date: 13 JAN 2021 02:13:48

Middle Channel / QPSK



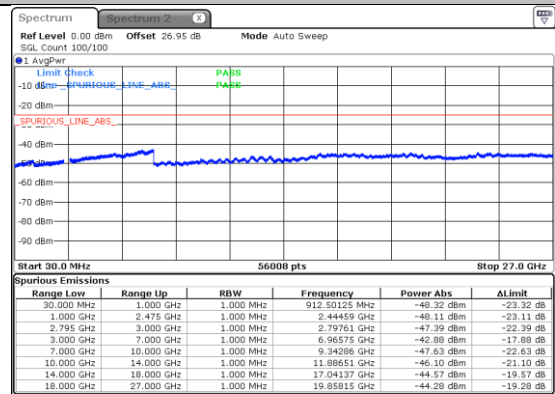
Date: 13 JAN 2021 02:08:36

Middle Channel / QPSK



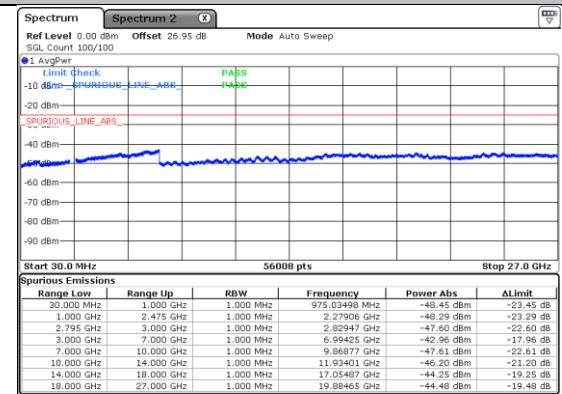
Date: 13 JAN 2021 02:14:40

Highest Channel / QPSK



Date: 13 JAN 2021 02:10:35

Highest Channel / QPSK

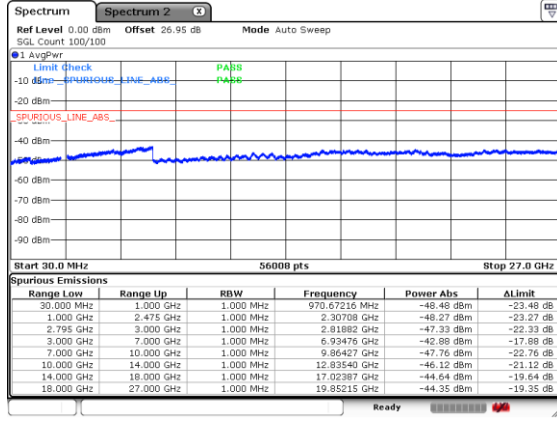


Date: 13 JAN 2021 02:15:35



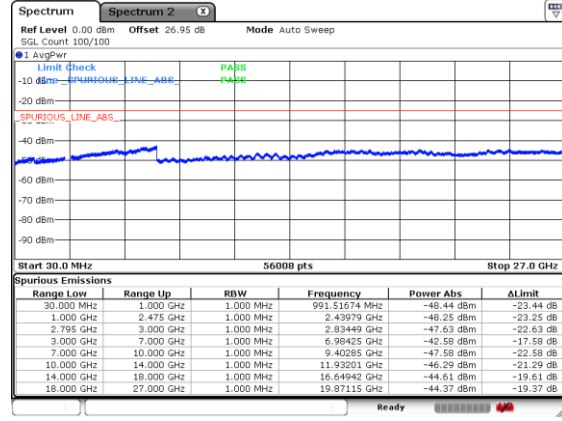
NR 40MHz

Lowest Channel / QPSK

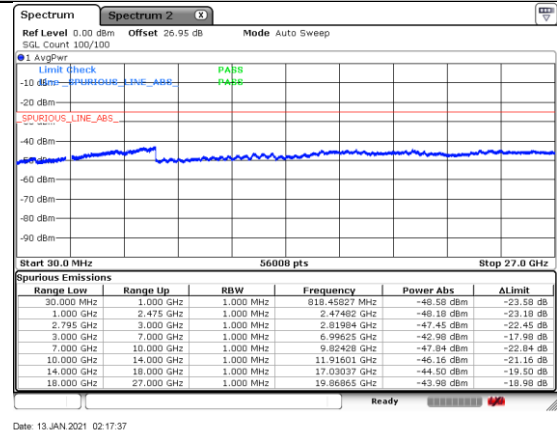


NR 50MHz

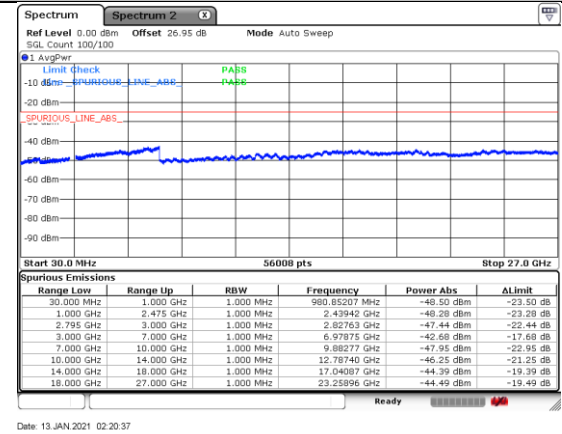
Lowest Channel / QPSK



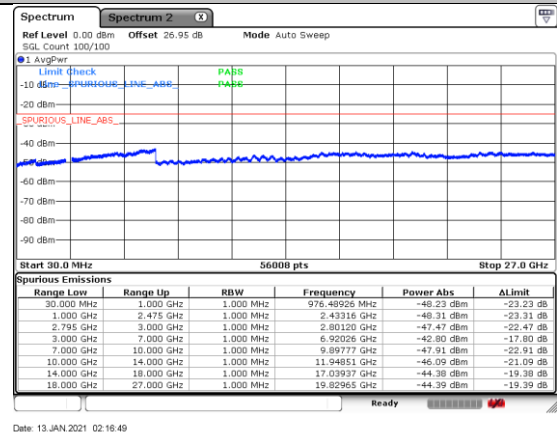
Middle Channel / QPSK



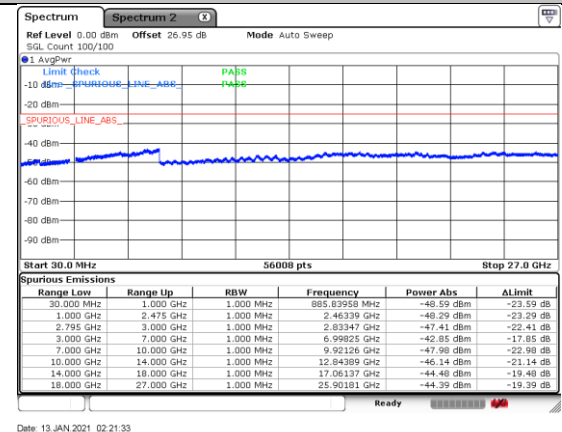
Middle Channel / QPSK



Highest Channel / QPSK



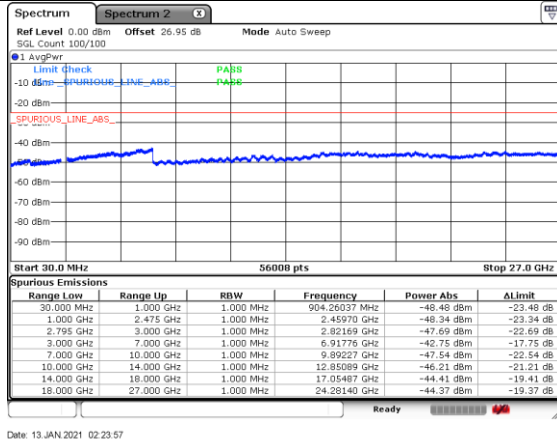
Highest Channel / QPSK





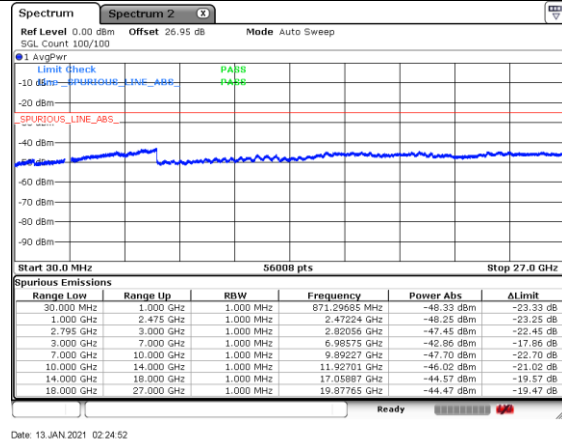
NR 60MHz

Lowest Channel / QPSK

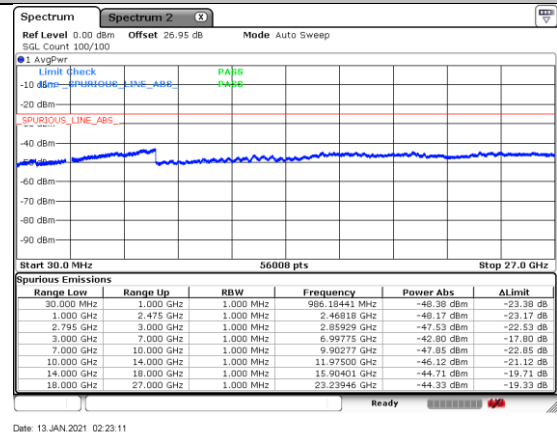


NR 80MHz

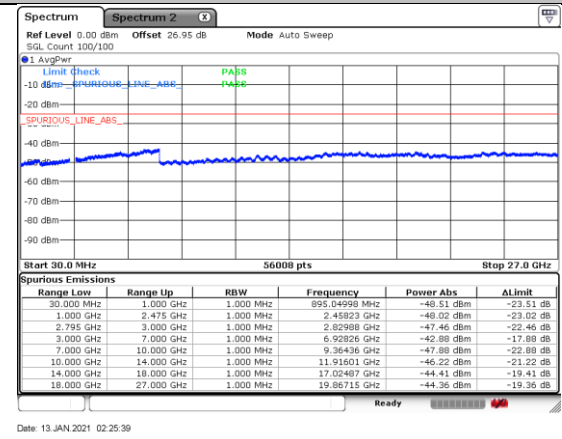
Lowest Channel / QPSK



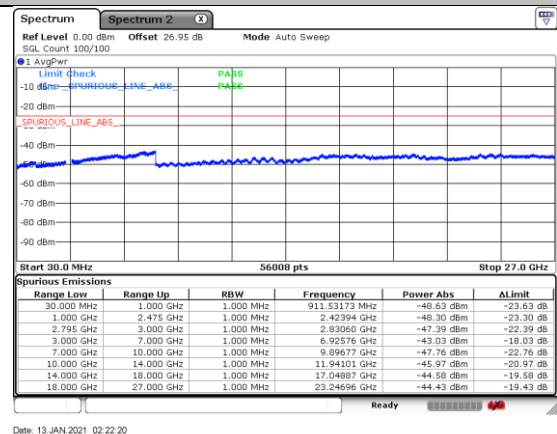
Middle Channel / QPSK



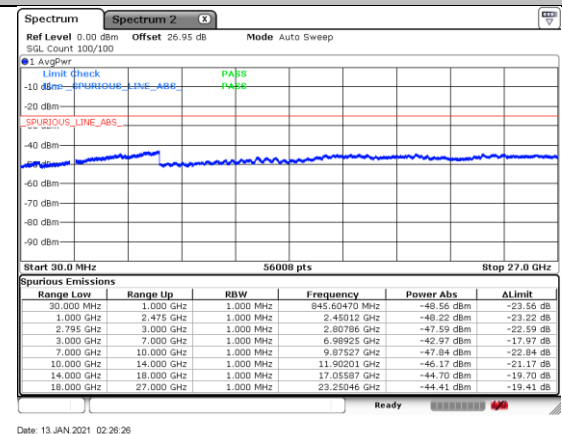
Middle Channel / QPSK



Highest Channel / QPSK



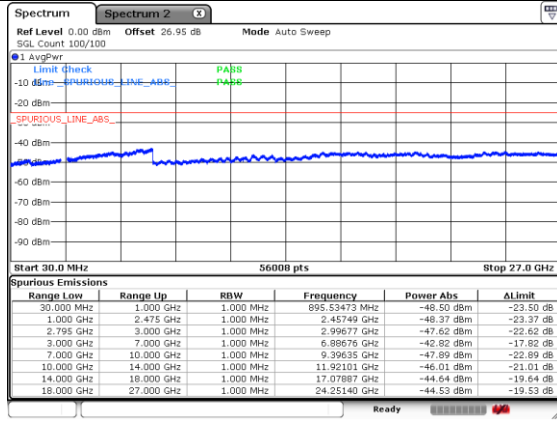
Highest Channel / QPSK





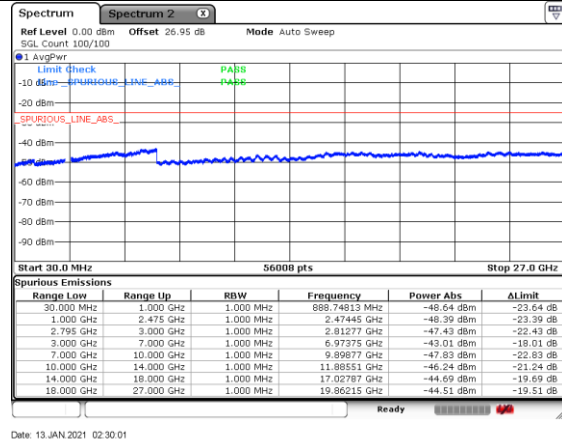
NR 90MHz

Lowest Channel / QPSK

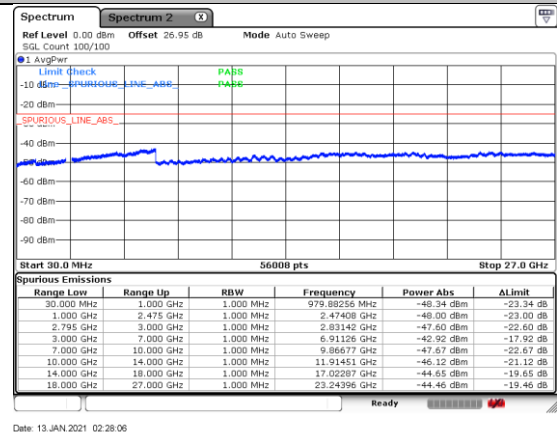


NR 100MHz

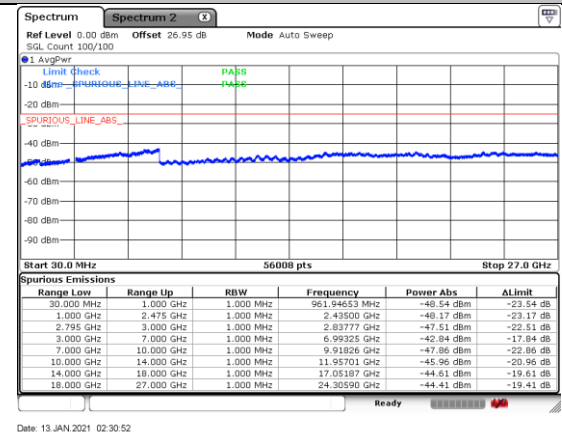
Lowest Channel / QPSK



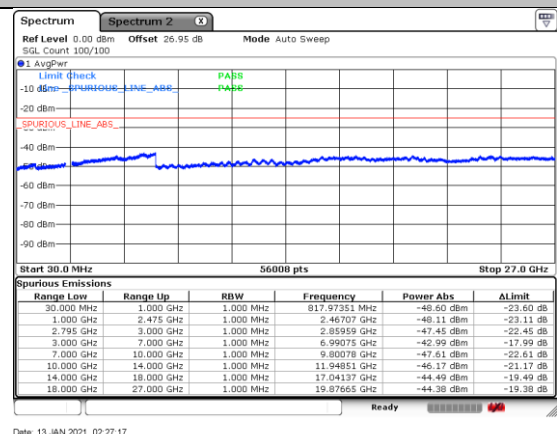
Middle Channel / QPSK



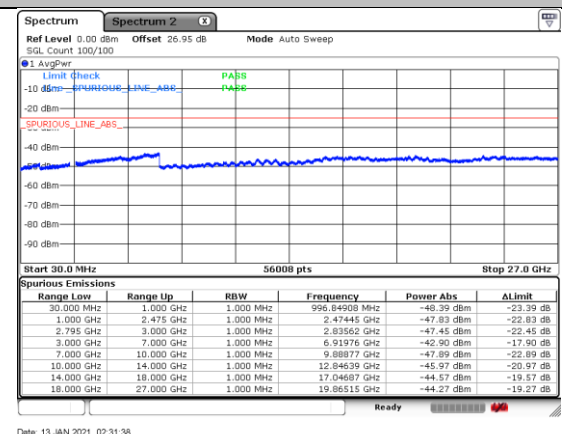
Middle Channel / QPSK



Highest Channel / QPSK



Highest Channel / QPSK



Frequency Stability

Test Conditions		n41_UL MIMO (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0019	PASS
40	Normal Voltage	0.0038	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

Note:

1. Normal Voltage =7.6 V. ; Battery End Point (BEP) =7.3 V. ; Maximum Voltage =8.7 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



5G NR n71 SA

Peak-to-Average Ratio

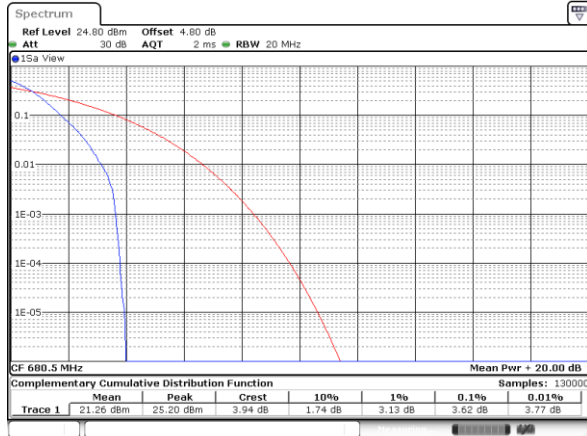
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	3.62	4.87	6.03	6.32	PASS
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	4.84				PASS



FR1 n71 / 20MHz / DFT-S OFDM

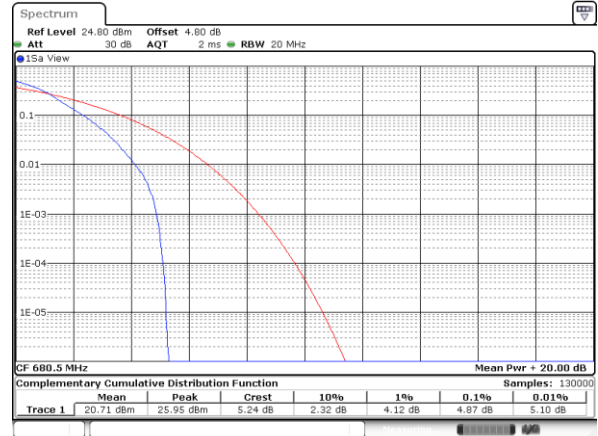
Middle Channel / Full RB

PI/2 BPSK

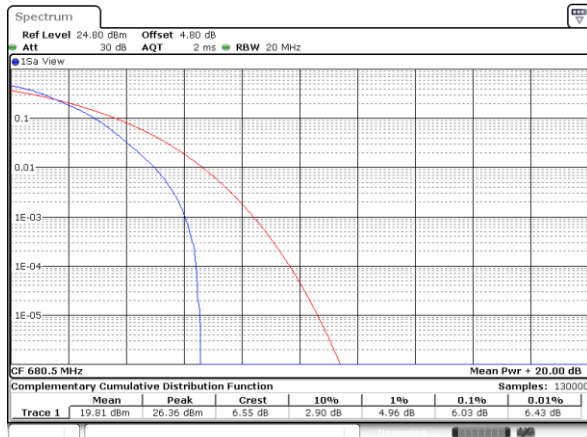


Middle Channel / Full RB

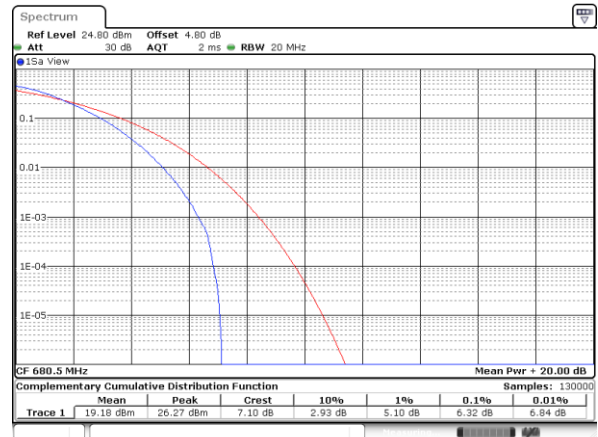
QPSK



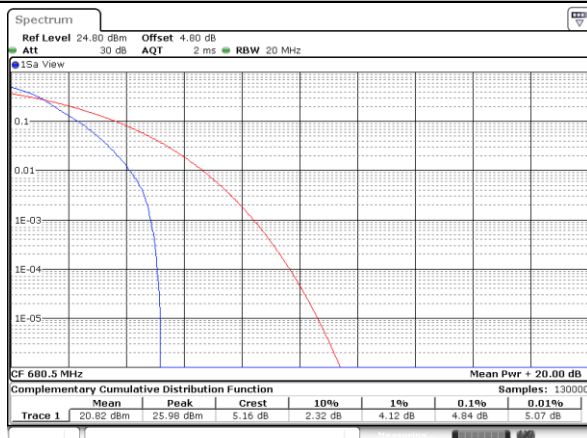
16QAM



64QAM

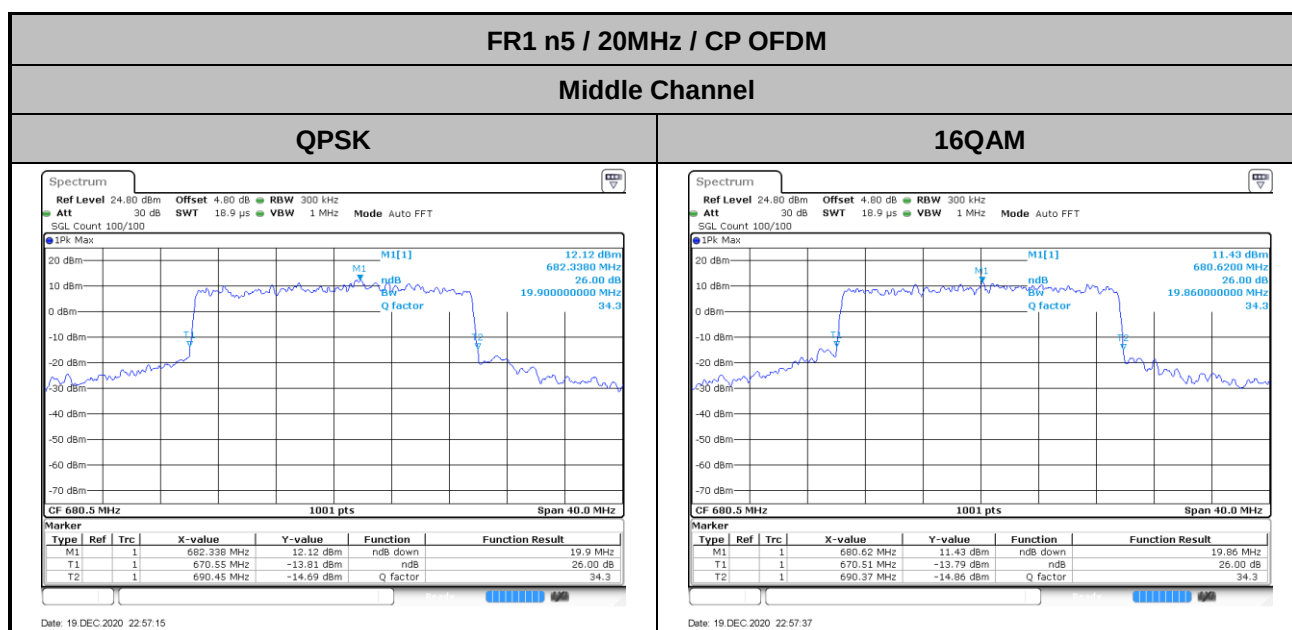


256QAM



**26dB Bandwidth**

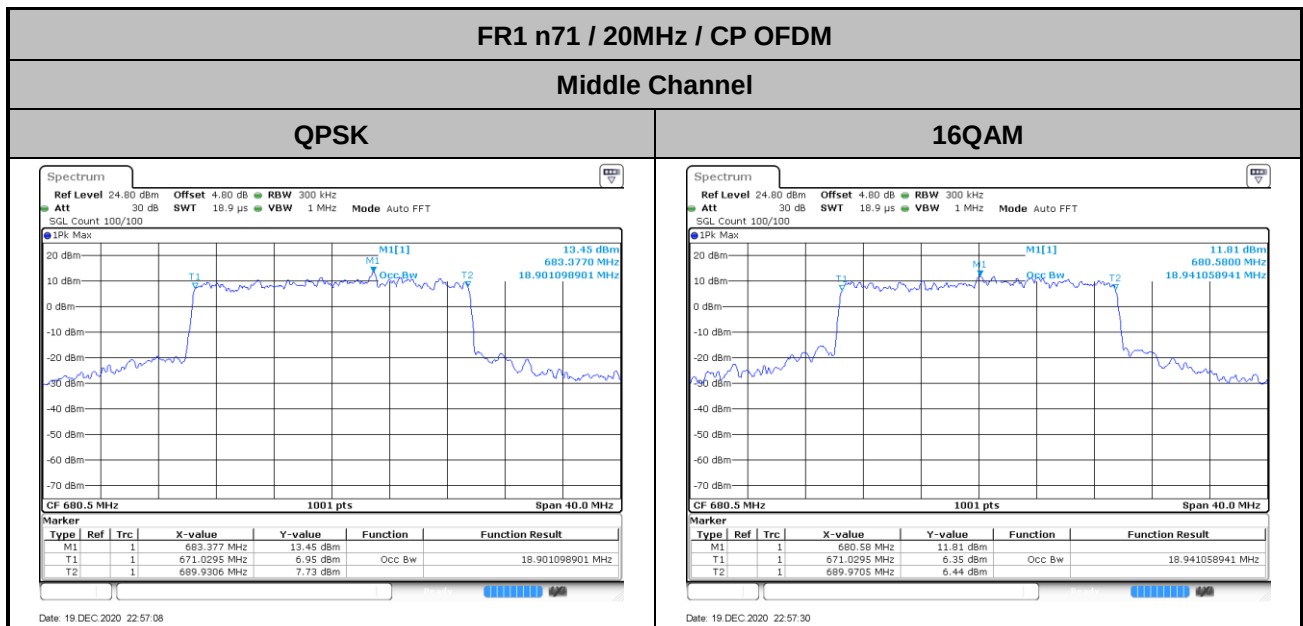
Mode	FR1 n71: 26dB BW(MHz) / CP OFDM	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.90	19.86

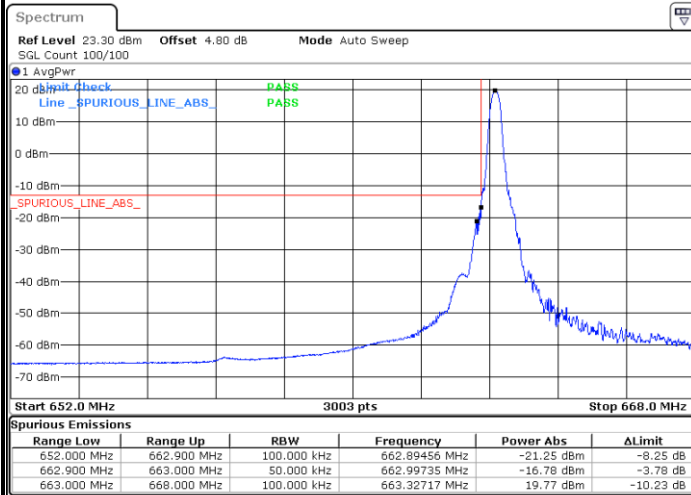
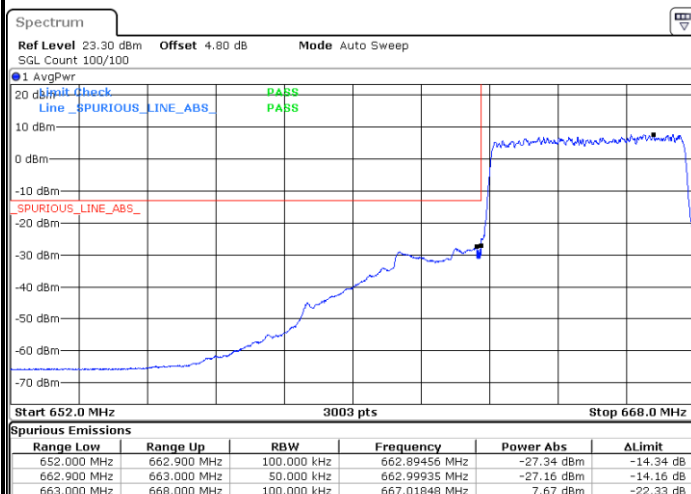
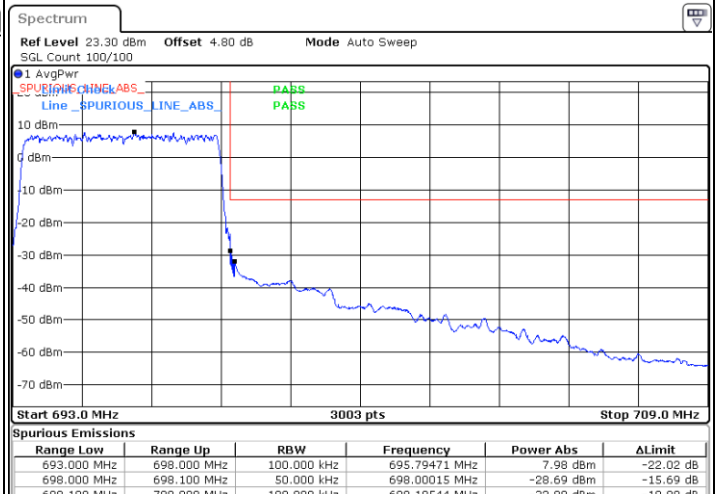




Occupied Bandwidth

Mode	FR1 n71 : 99%OBW(MHz) / CP OFDM	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.90	18.94



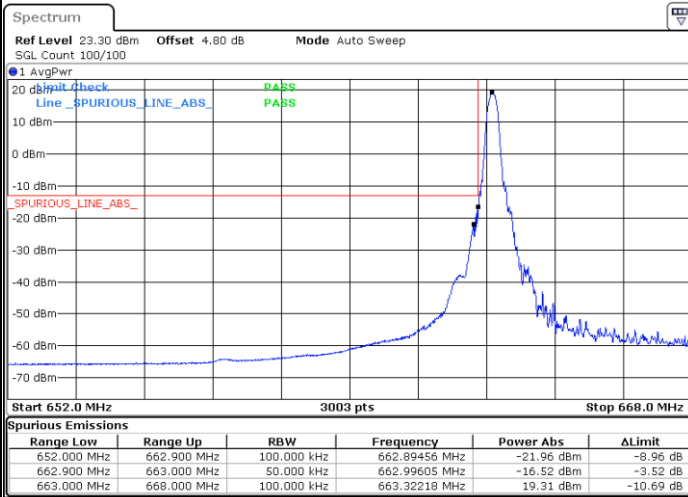
**Conducted Band Edge****FR1 n71 / 5MHz / DFT-S OFDM / PI/2 BPSK****Lowest Band Edge / 1RB0****Highest Band Edge / 1RBMAX****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



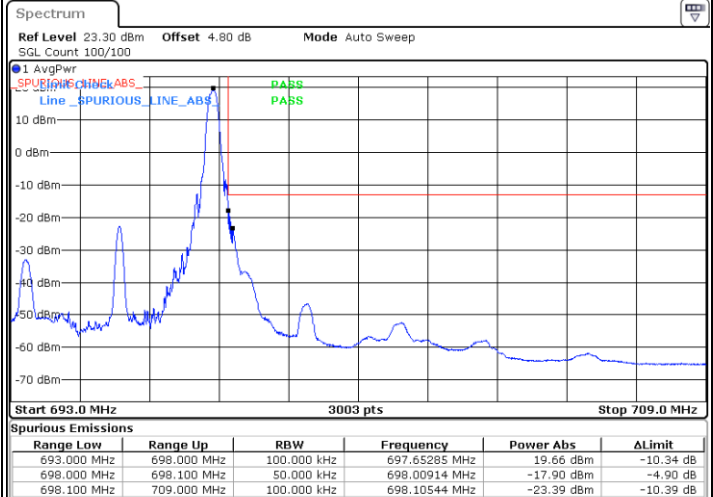
FR1 n71 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



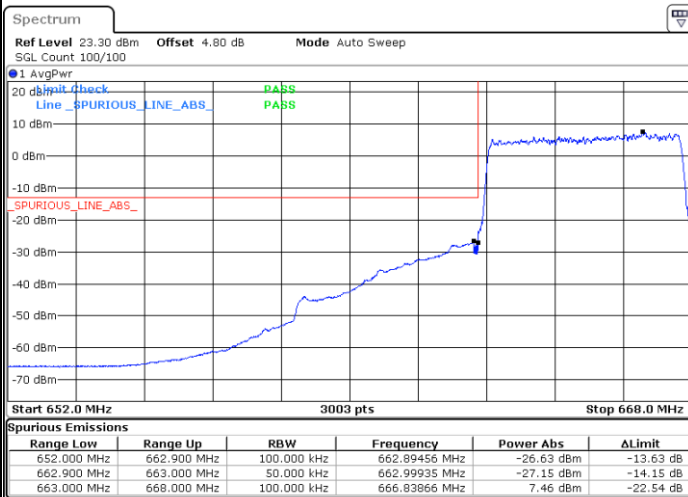
Date: 19 DEC 2020 21:14:22



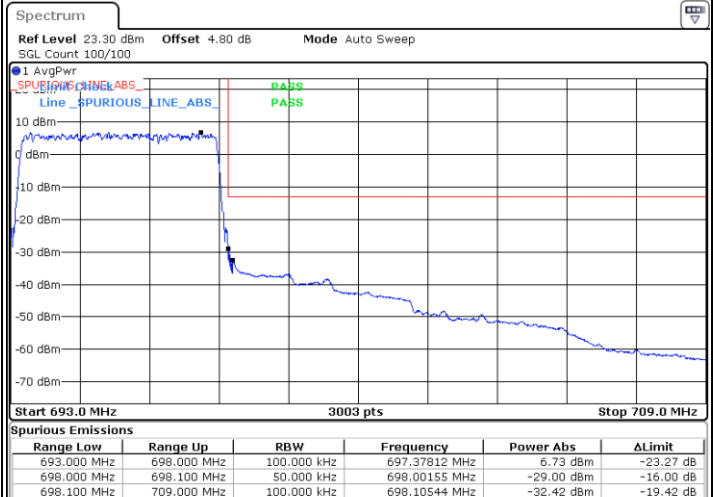
Date: 19 DEC 2020 21:28:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19 DEC 2020 21:21:06



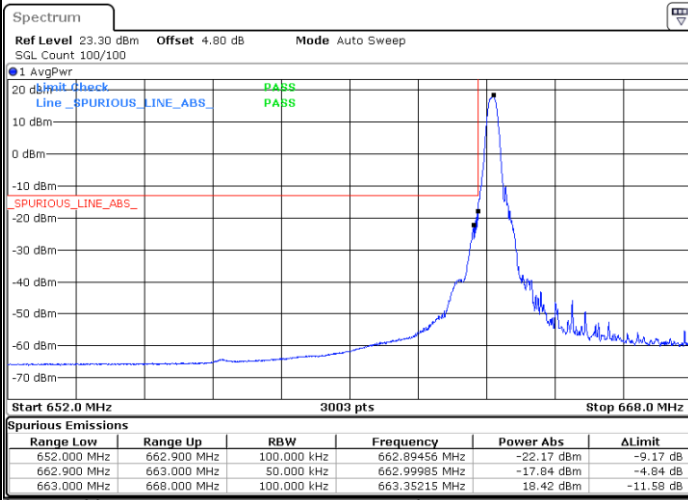
Date: 19 DEC 2020 21:35:22



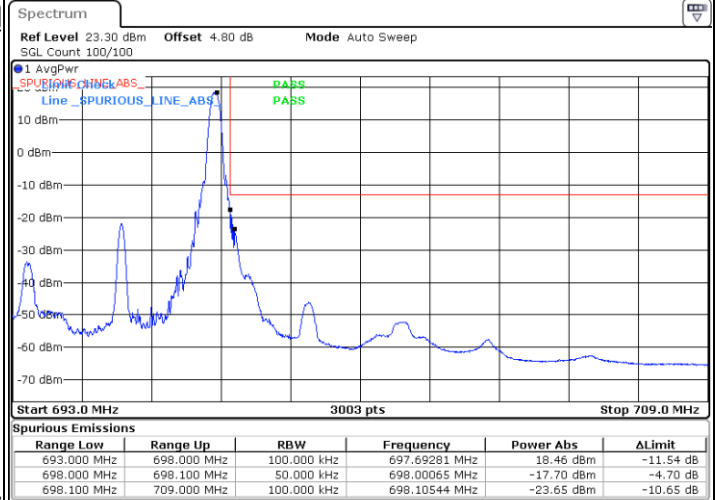
FR1 n71 / 5MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



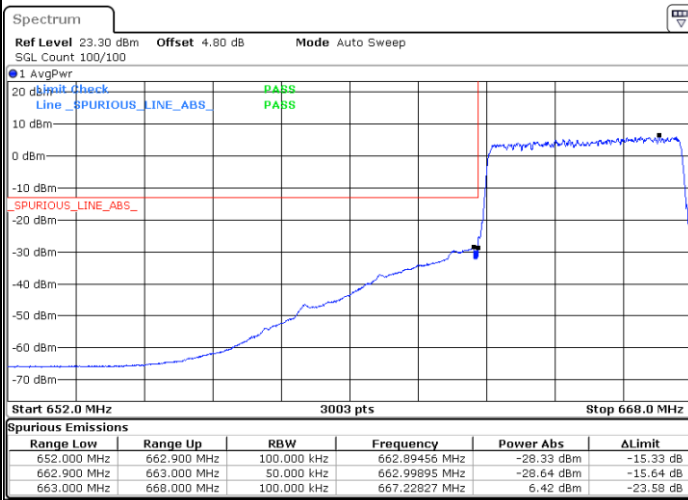
Date: 19 DEC 2020 21:16:20



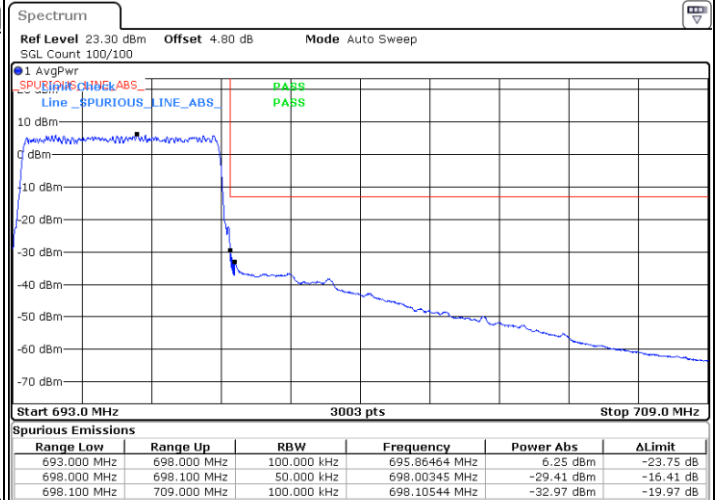
Date: 19 DEC 2020 21:29:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19 DEC 2020 21:21:51



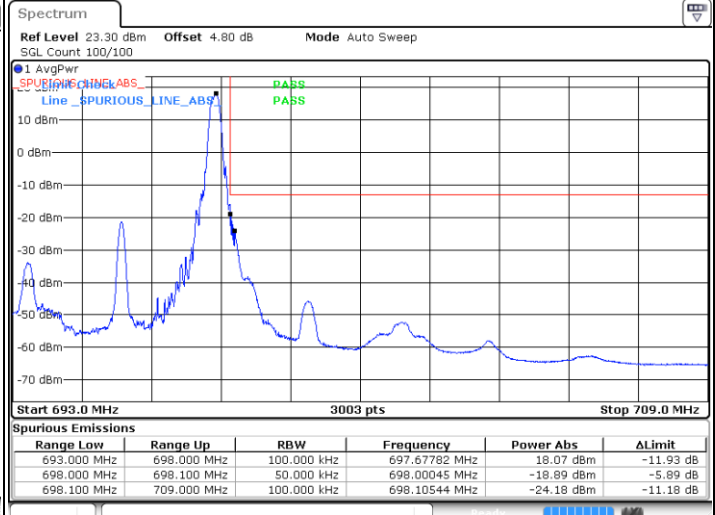
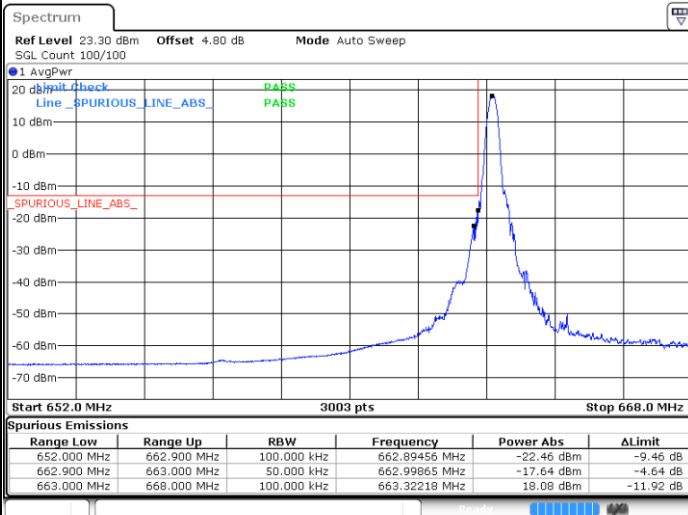
Date: 19 DEC 2020 21:34:37



FR1 n71/ 5MHz / DFT-S OFDM / 64QAM

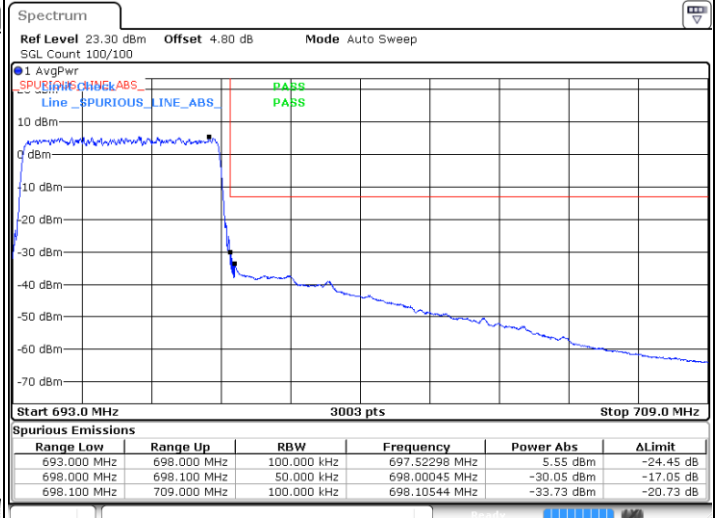
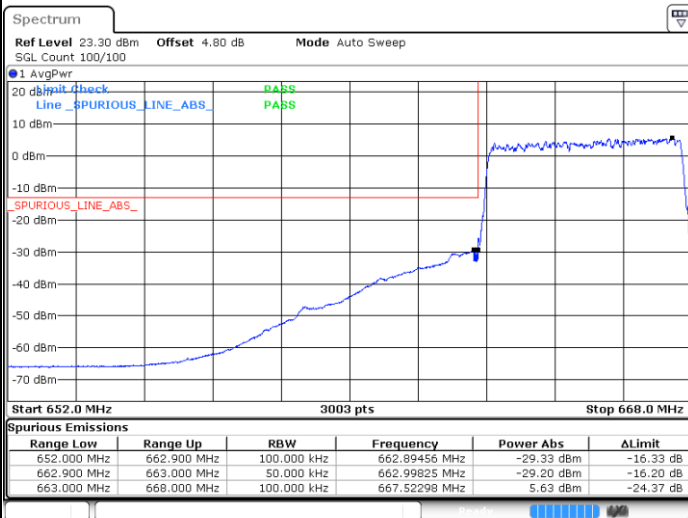
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

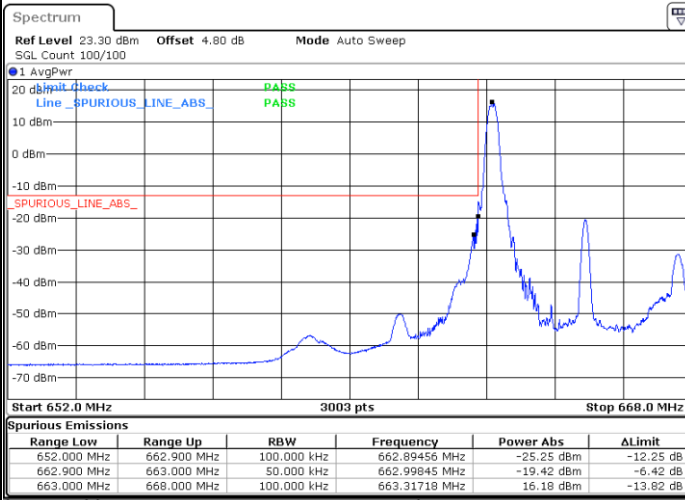




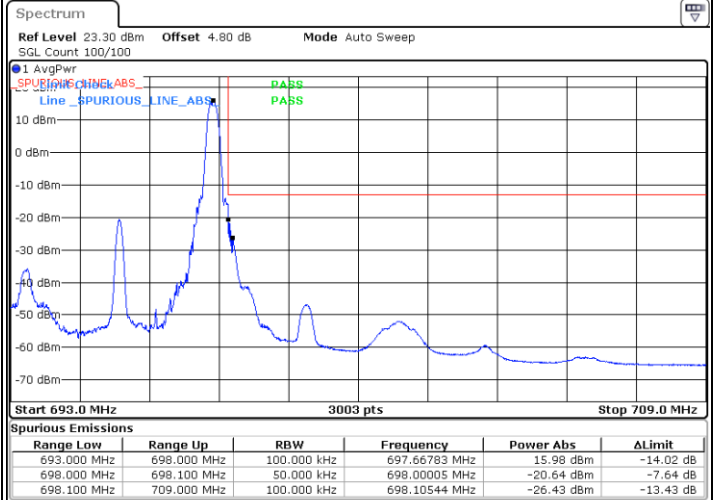
FR1 n71 / 5MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



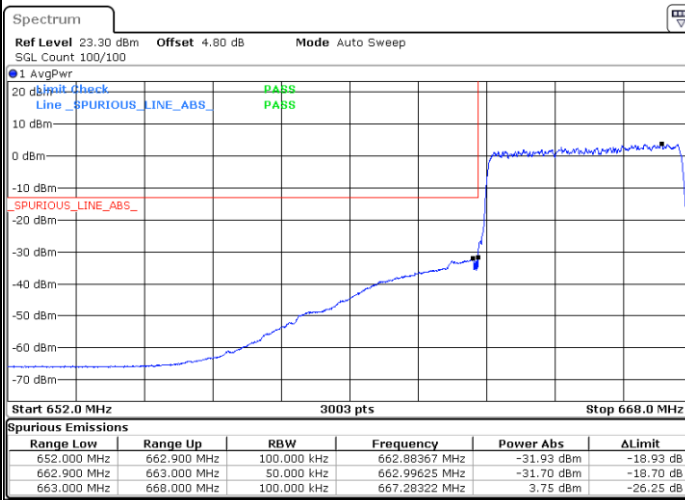
Date: 19 DEC 2020 21:19:32



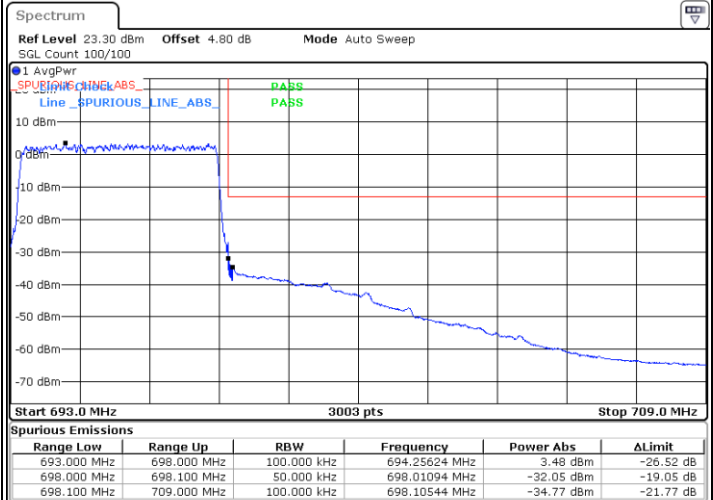
Date: 19 DEC 2020 21:32:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19 DEC 2020 21:23:19



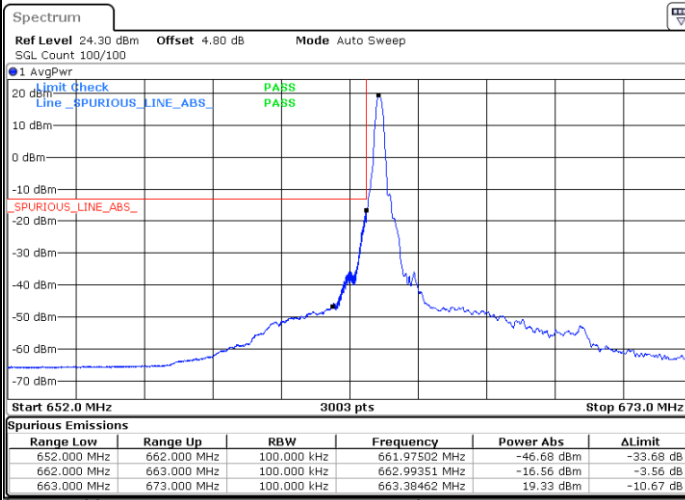
Date: 19 DEC 2020 21:32:51



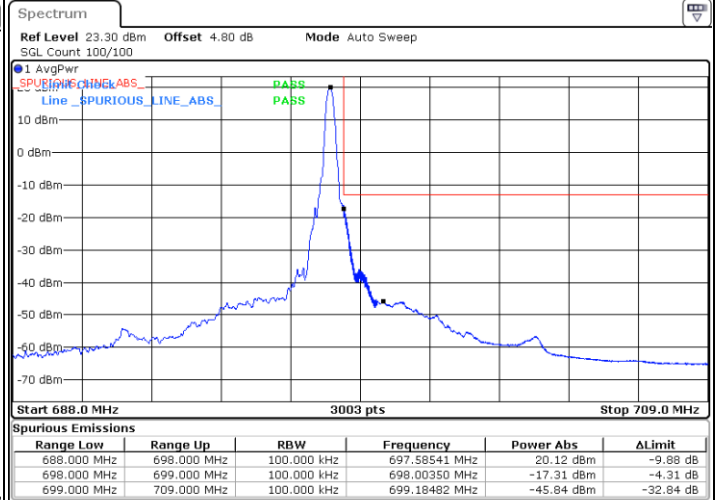
FR1 n71 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



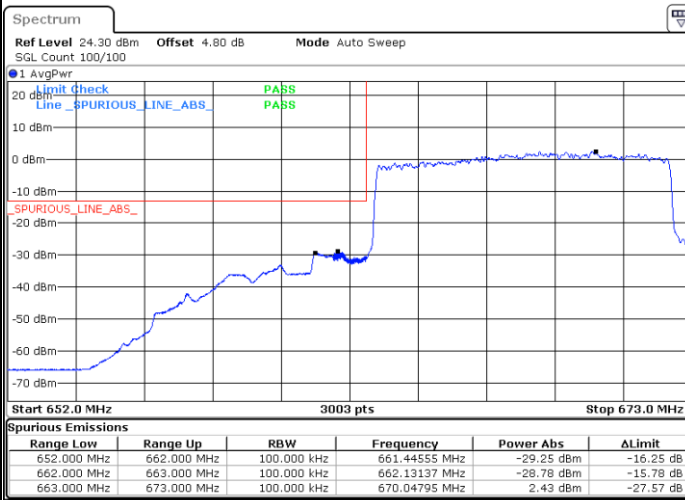
Date: 19 DEC 2020 21:46:37



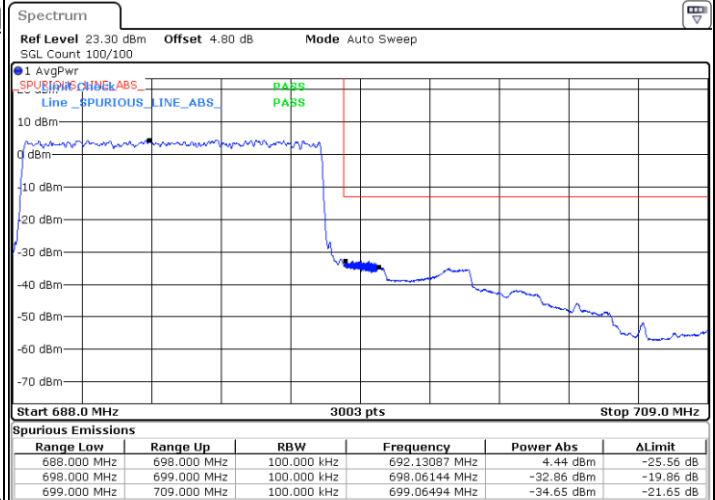
Date: 19 DEC 2020 21:50:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19 DEC 2020 21:39:15



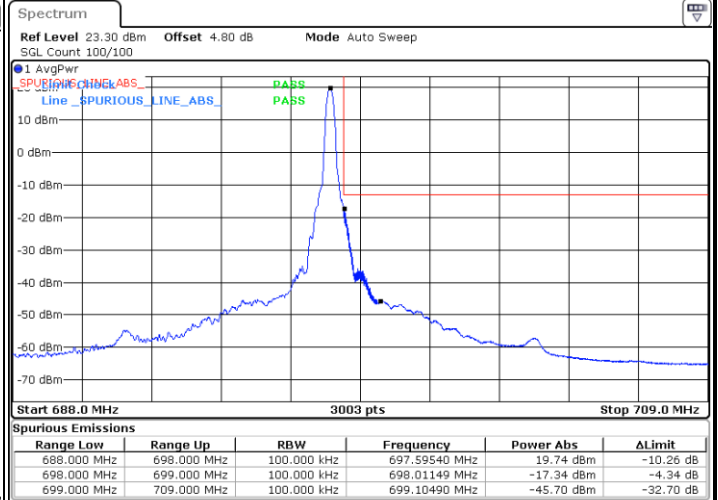
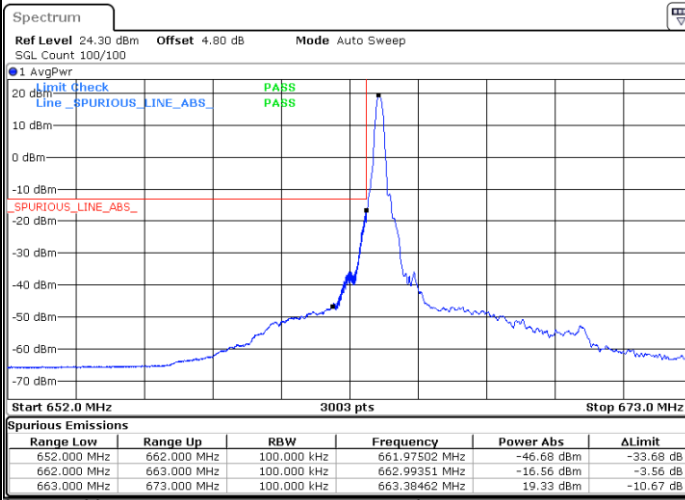
Date: 19 DEC 2020 22:01:14



FR1 n71 / 10MHz / DFT-s-OFDM / QPSK

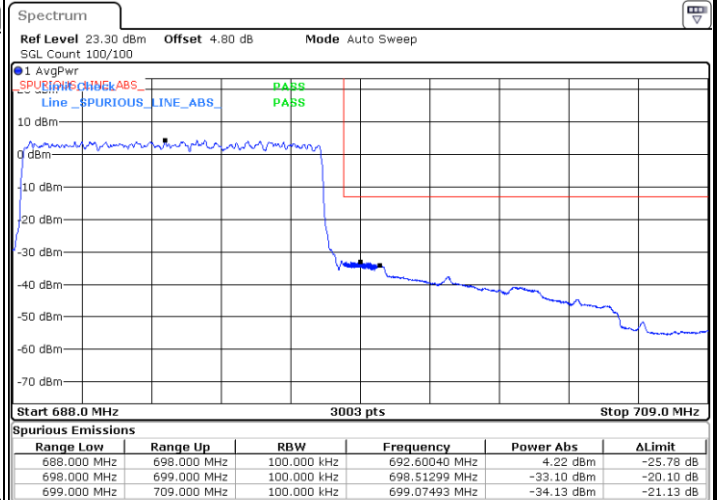
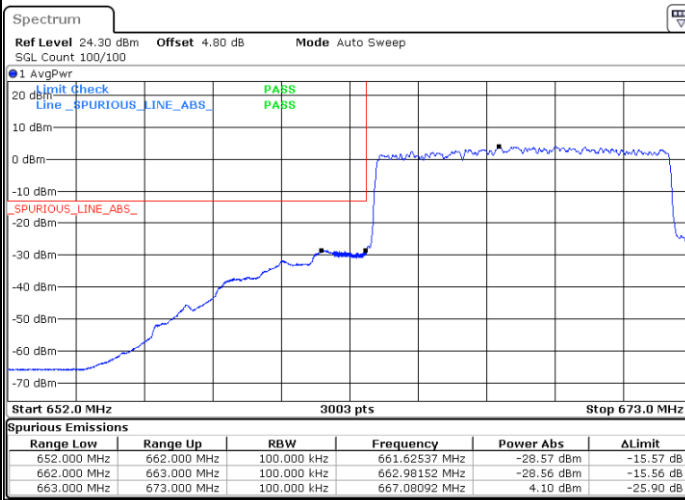
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

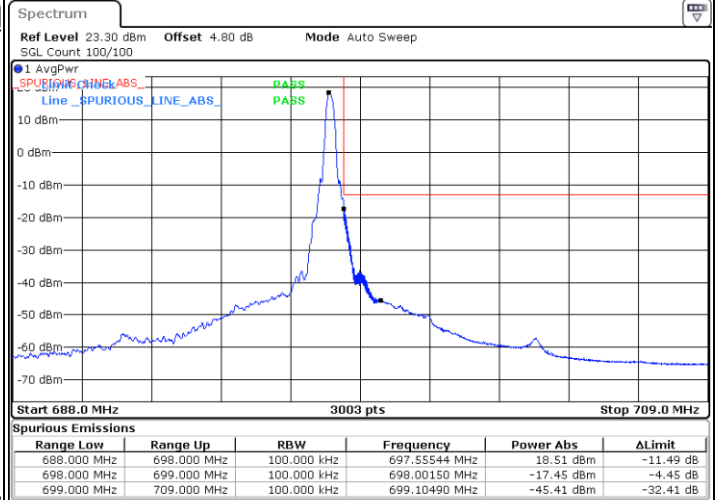
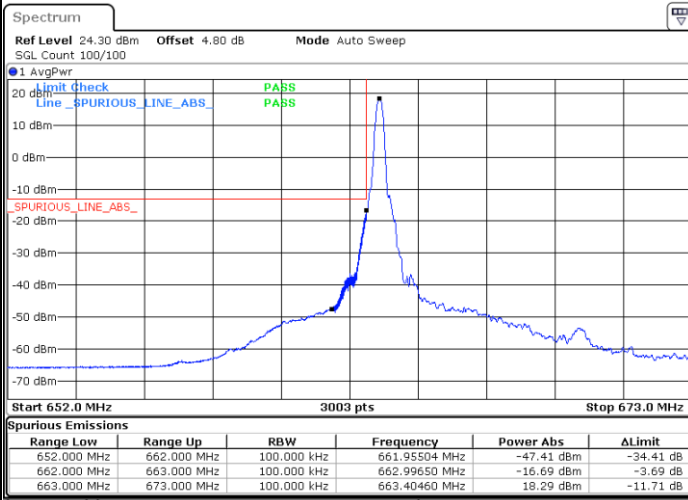




FR1 n71/ 10MHz / DFT-s-OFDM / 16QAM

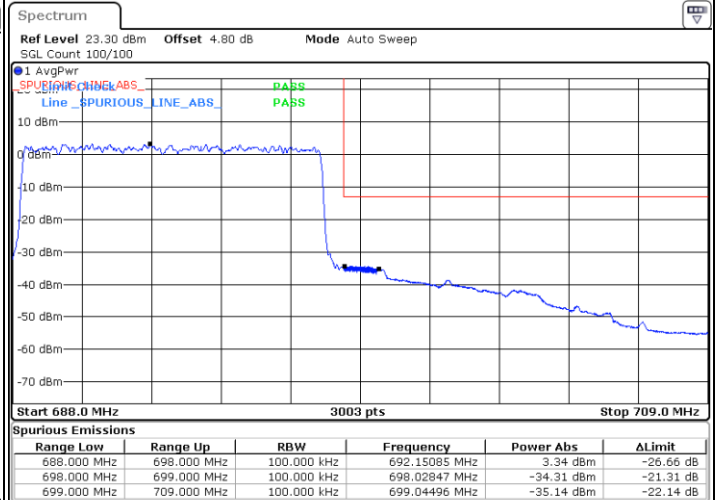
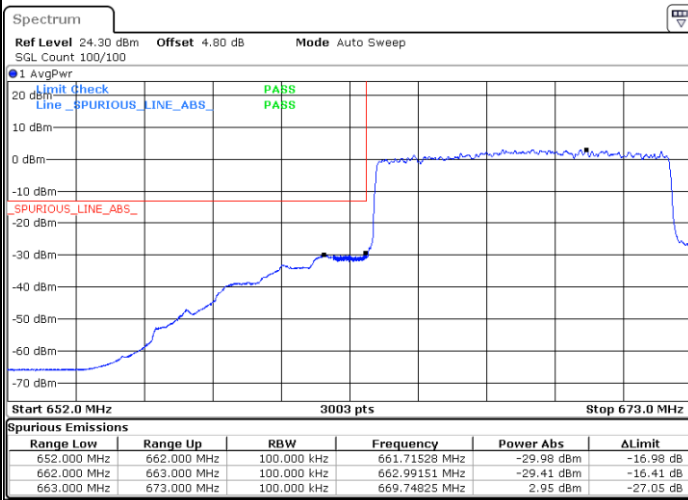
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

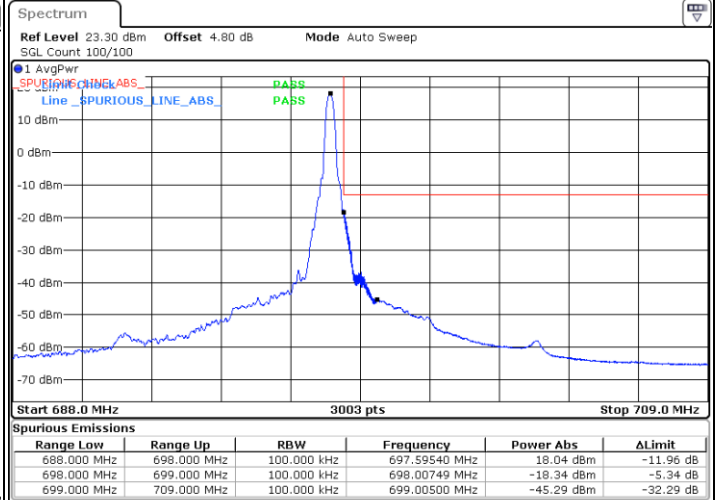
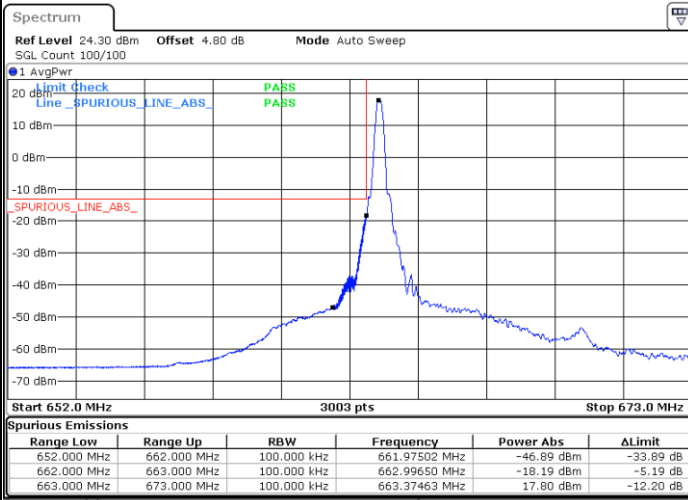




FR1 n71 / 10MHz / DFT-s-OFDM / 64QAM

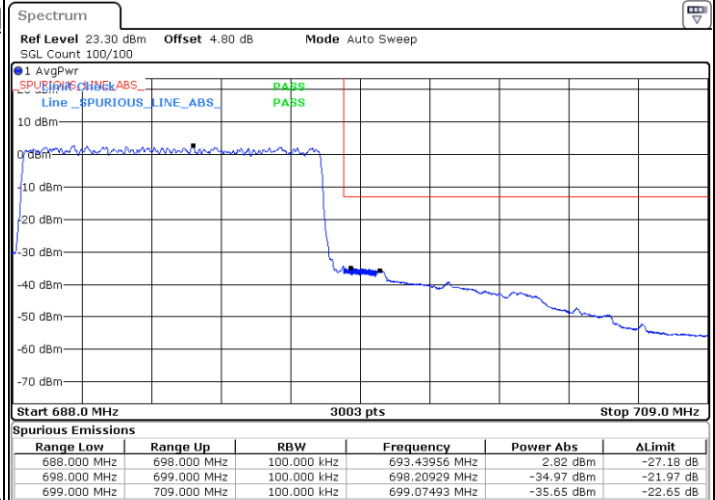
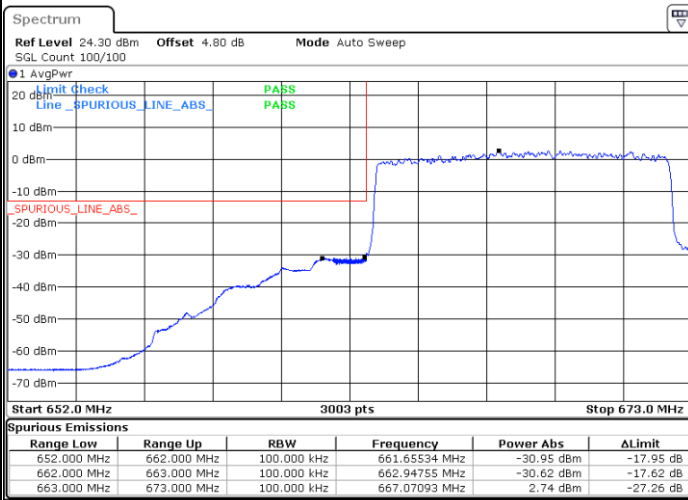
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

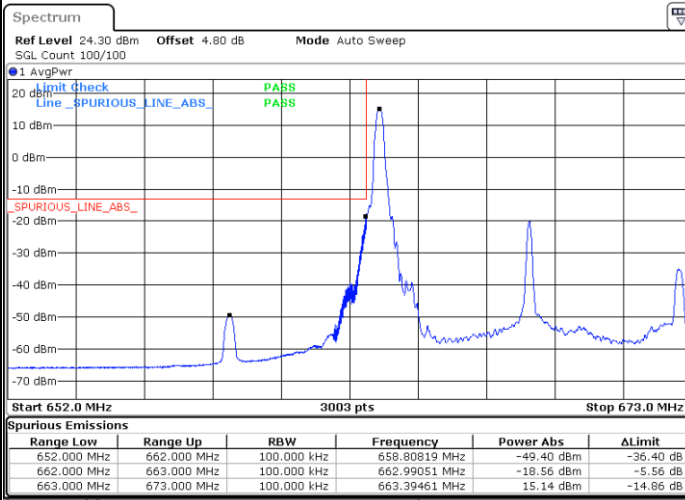




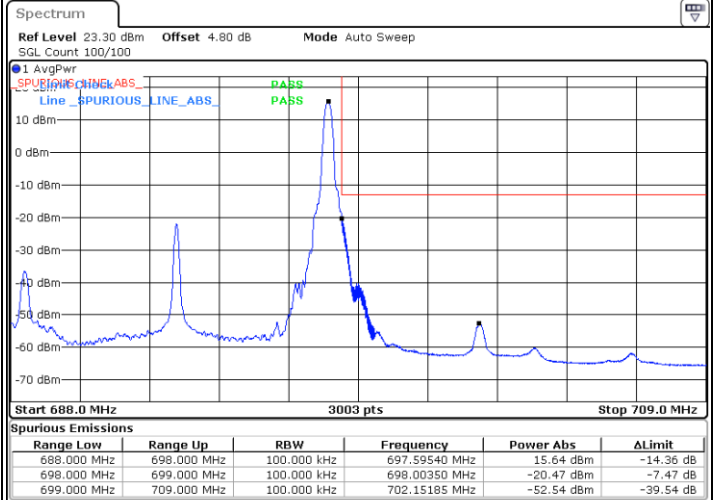
FR1 n71/ 10MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



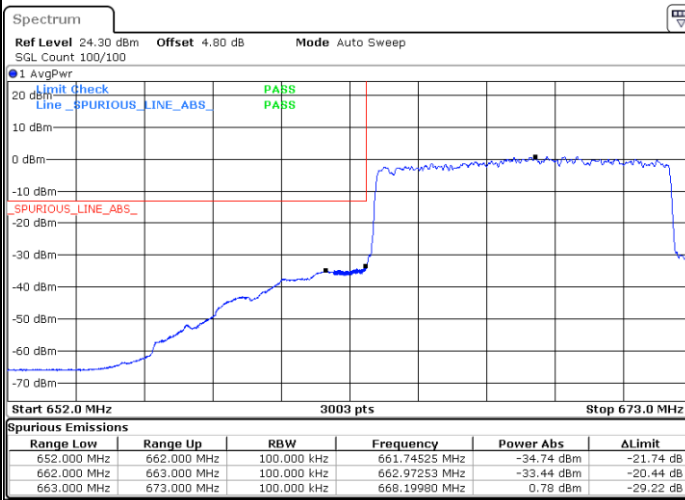
Date: 19 DEC 2020 21:44:25



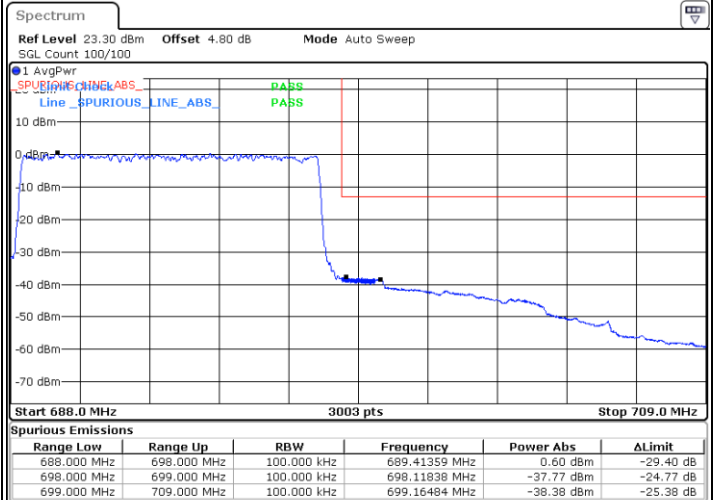
Date: 19 DEC 2020 21:54:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19 DEC 2020 21:43:38



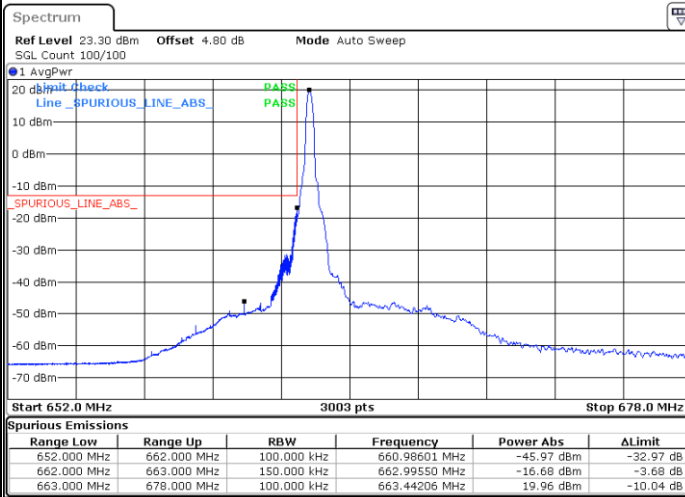
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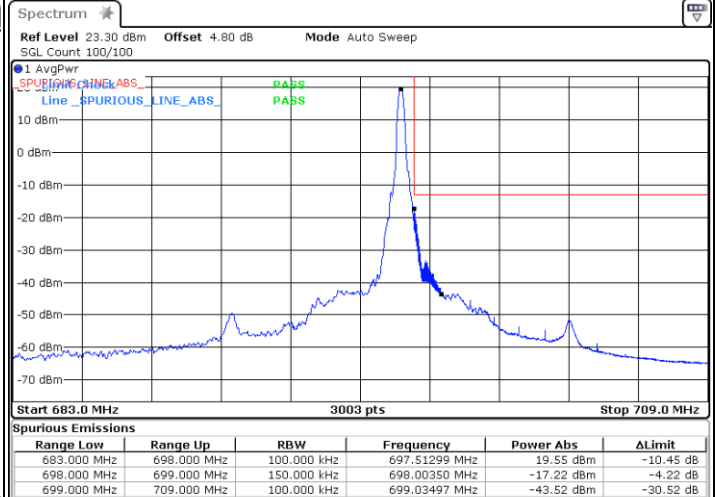
FR1 n71 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



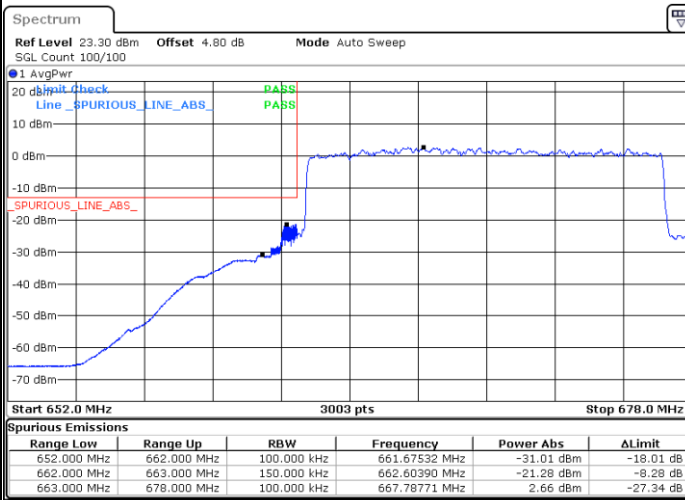
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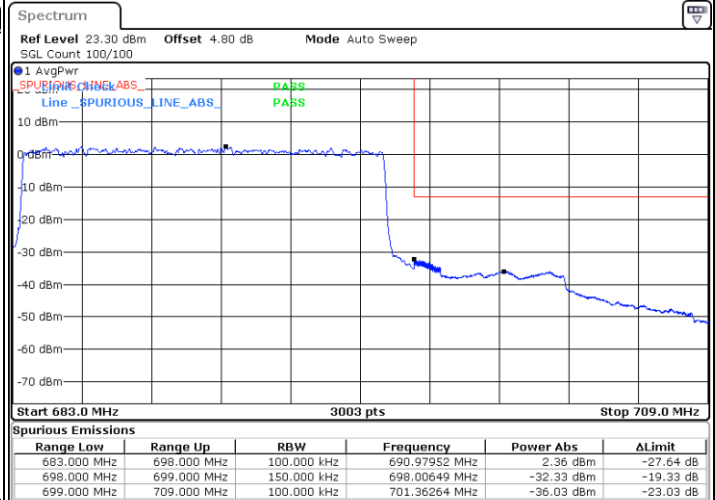
Date: 19 DEC 2020 22:19:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19 DEC 2020 22:15:18



Date: 19 DEC 2020 22:28:12