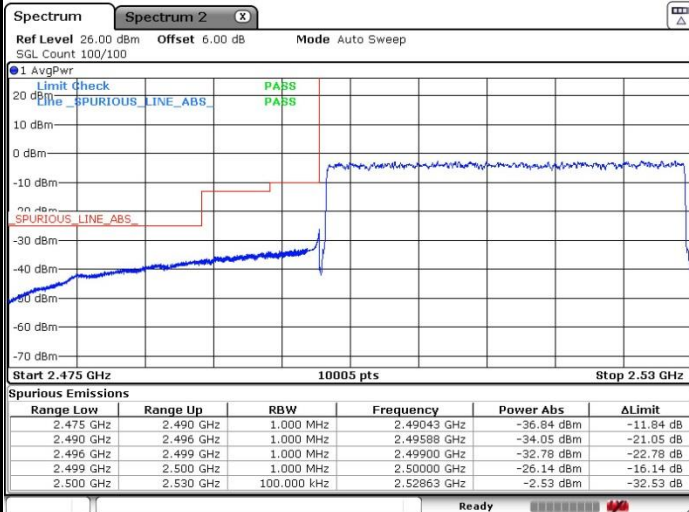




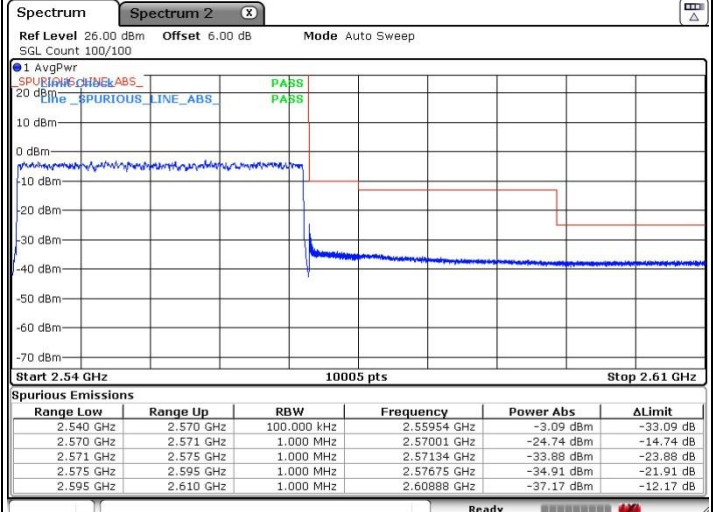
FR1 n7 / 30MHz / DFT-s-OFDM / PI/2 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.NOV.2021 21:21:06



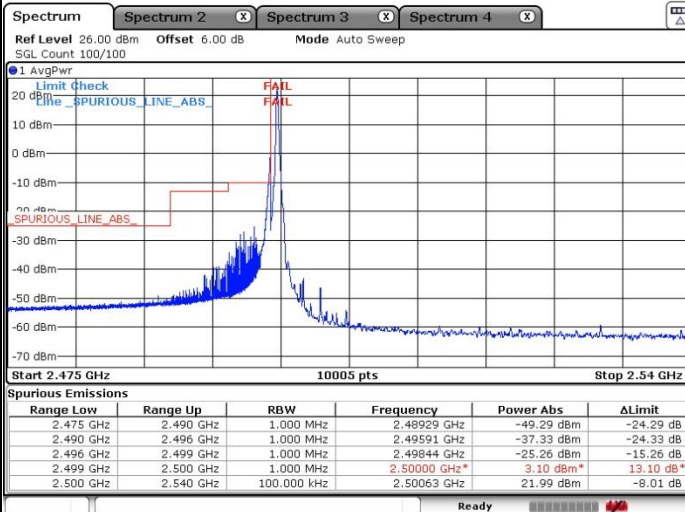
Date: 25.NOV.2021 21:38:14



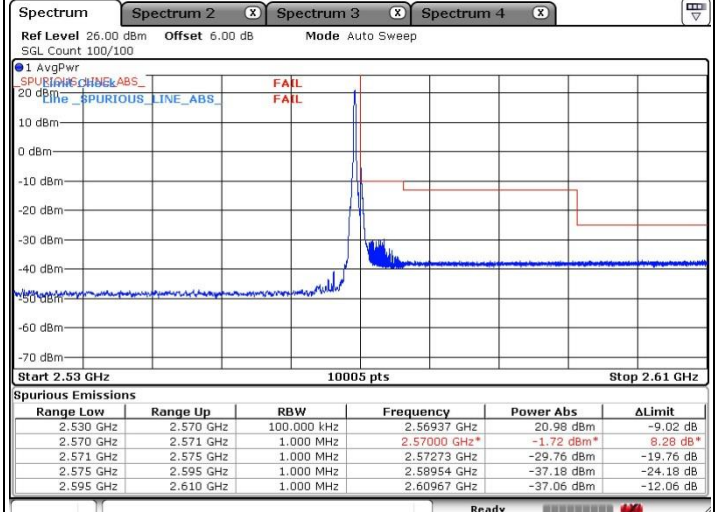
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

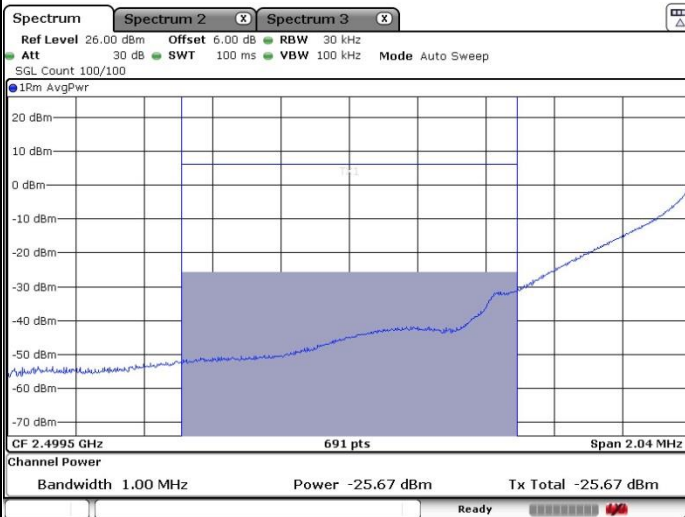
Highest Band Edge / 1RBMAX



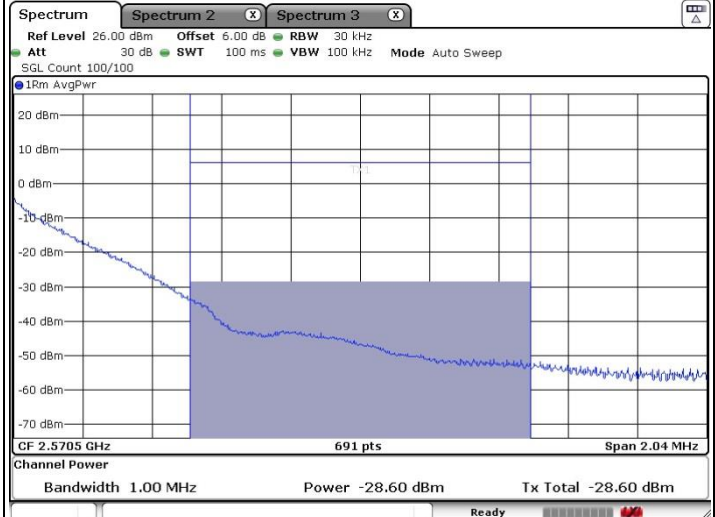
Date: 25.NOV.2021 23:07:39



Date: 25.NOV.2021 23:55:20



Date: 26.NOV.2021 01:26:45



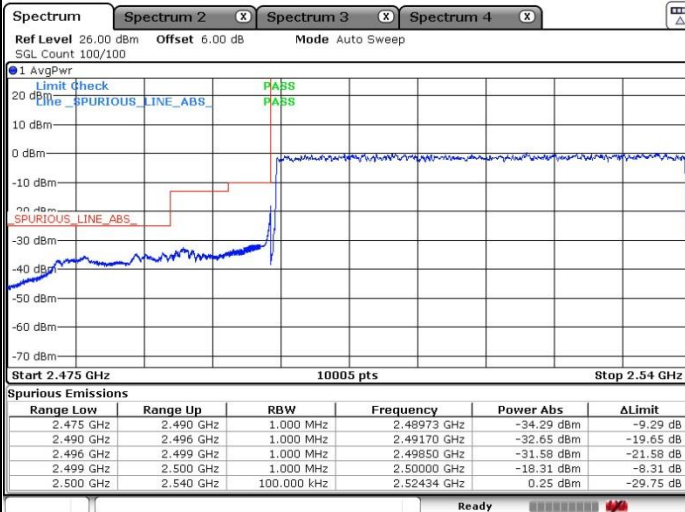
Date: 26.NOV.2021 01:31:17



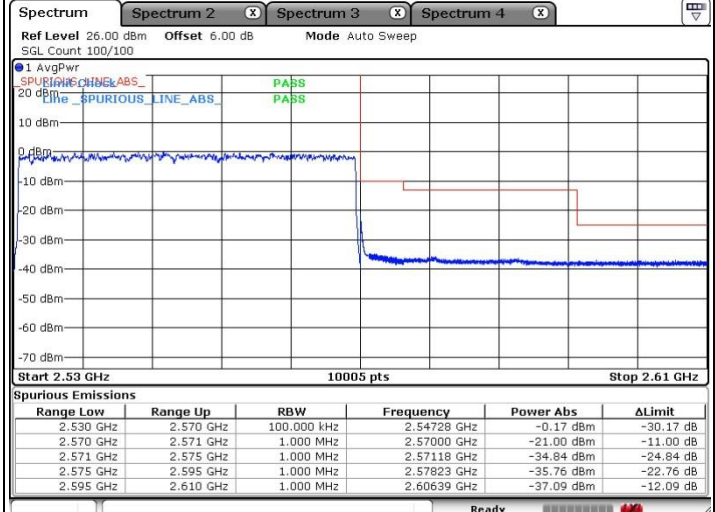
FR1 n7 /40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.NOV.2021 22:52:02



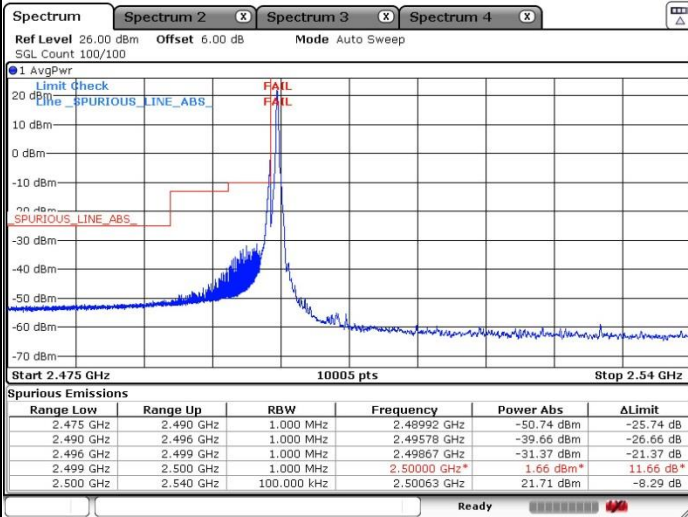
Date: 26.NOV.2021 00:15:16



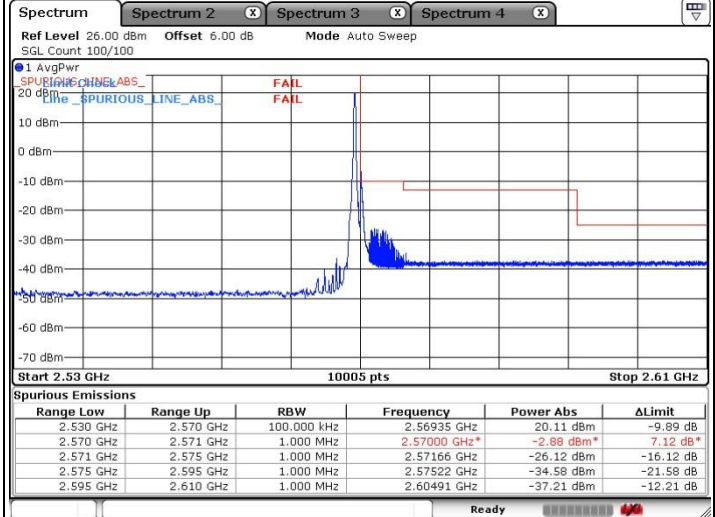
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 QPSK

Lowest Band Edge / 1RB0

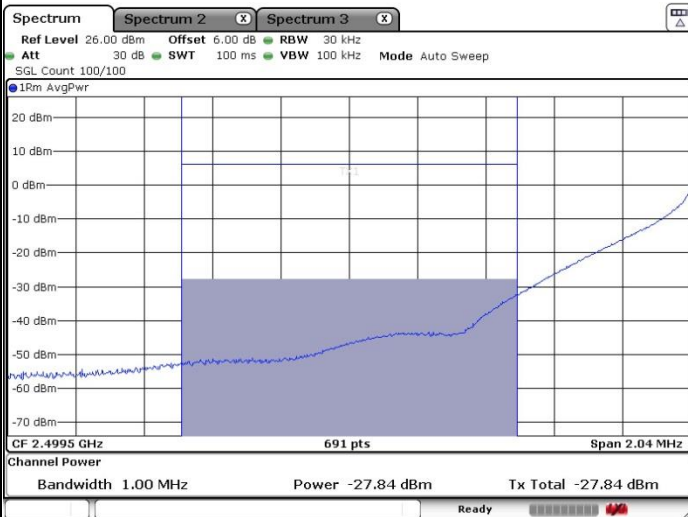
Highest Band Edge / 1RBMAX



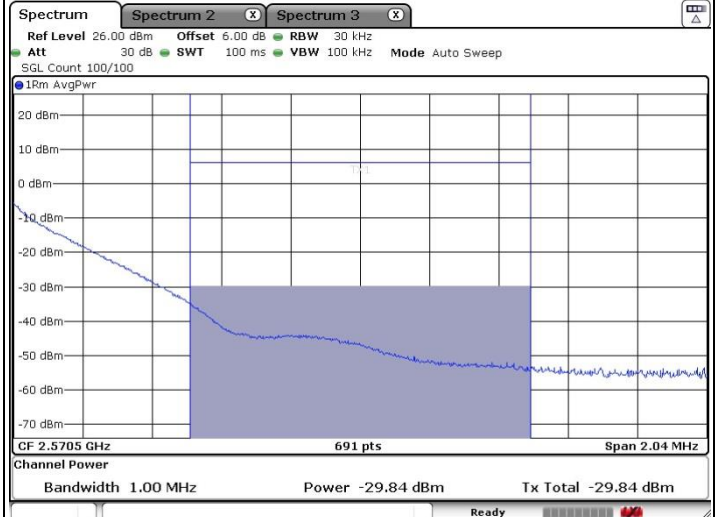
Date: 25.NOV.2021 23:05:24



Date: 25.NOV.2021 23:57:41



Date: 26.NOV.2021 01:24:16



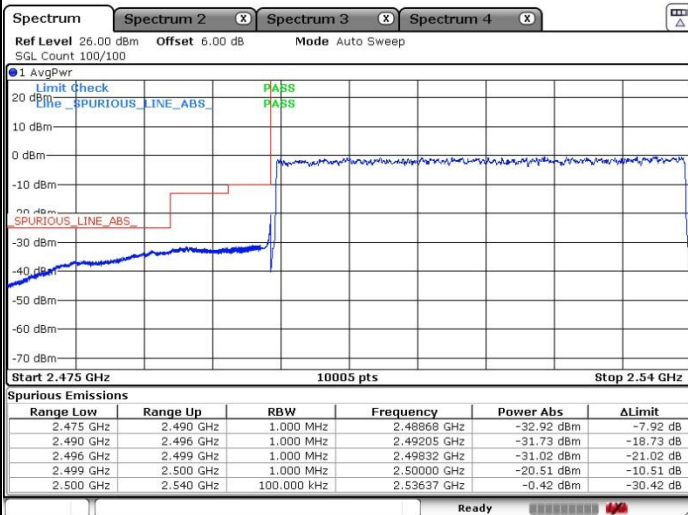
Date: 26.NOV.2021 01:32:03



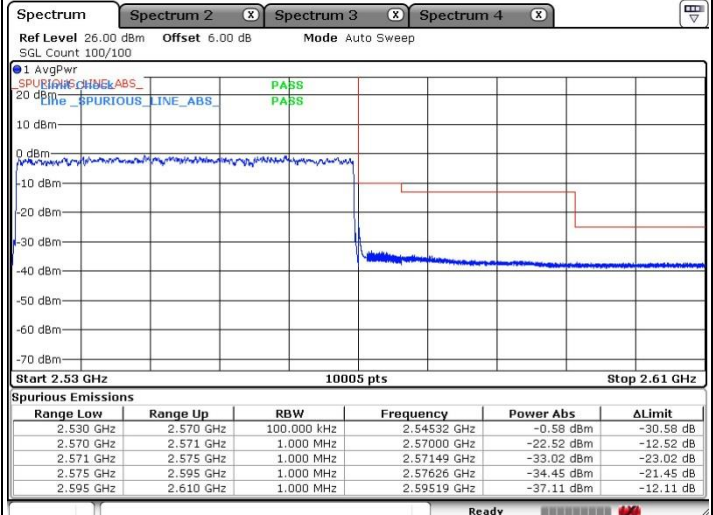
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.NOV.2021 22:49:34



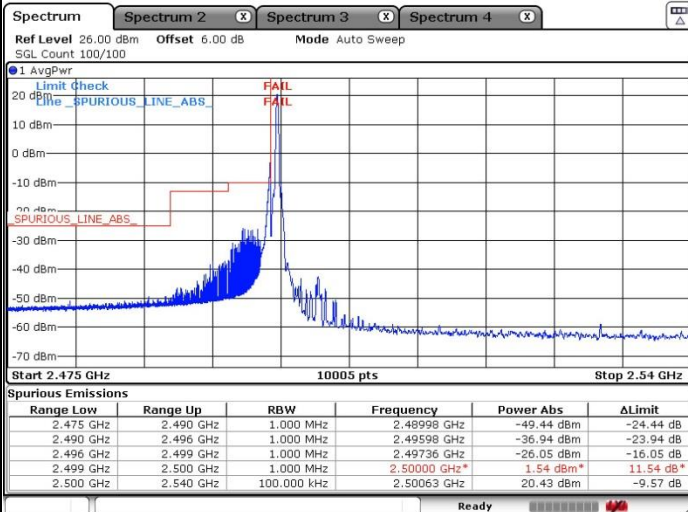
Date: 26.NOV.2021 00:13:04



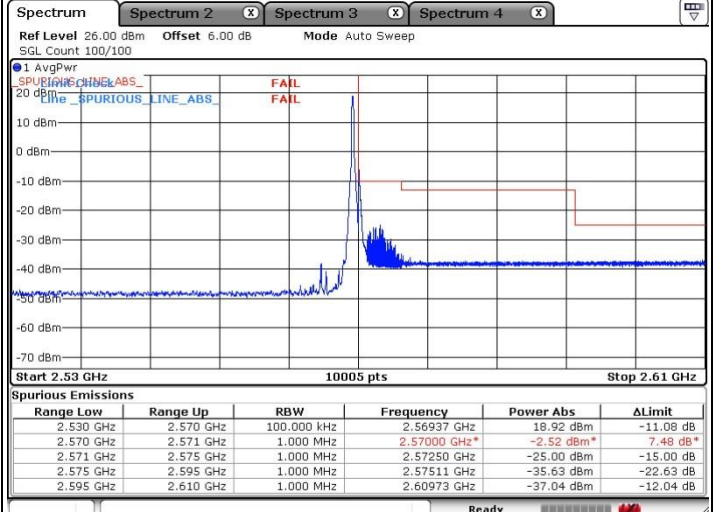
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 16QAM

Lowest Band Edge / 1RB0

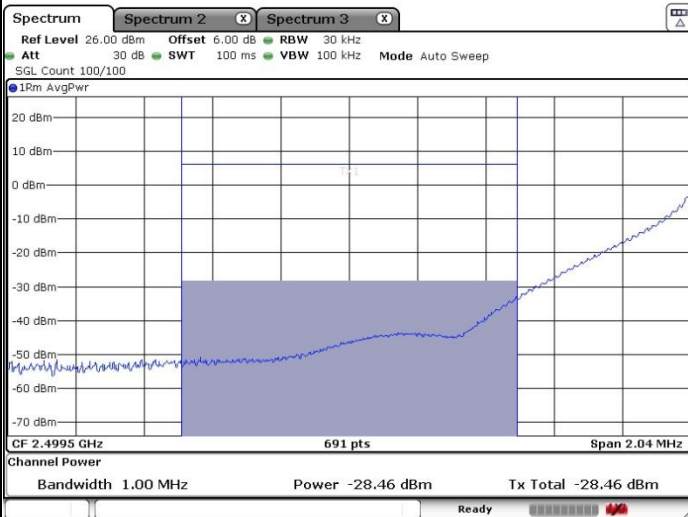
Highest Band Edge / 1RBMAX



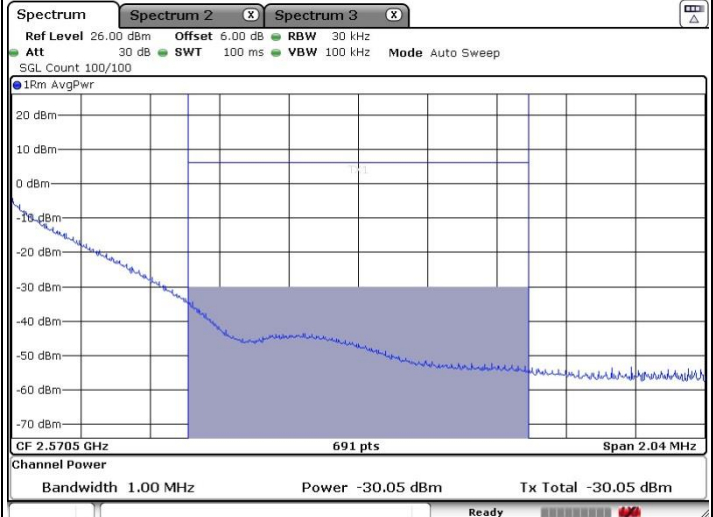
Date: 25.NOV.2021 23:02:24



Date: 25.NOV.2021 23:59:46



Date: 26.NOV.2021 01:25:26



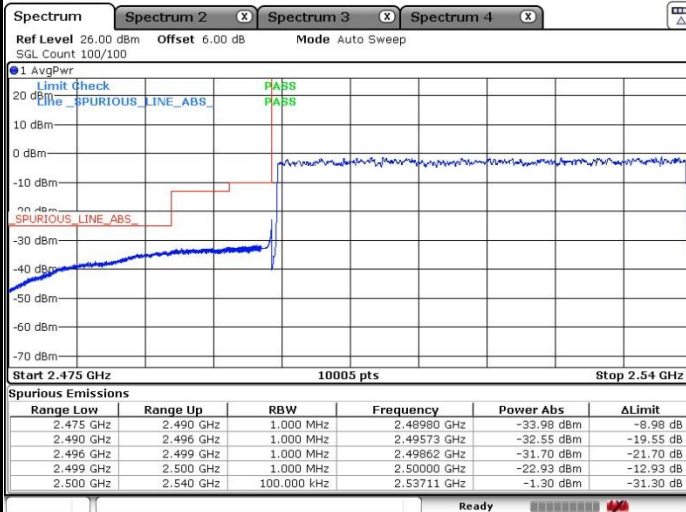
Date: 26.NOV.2021 01:32:27



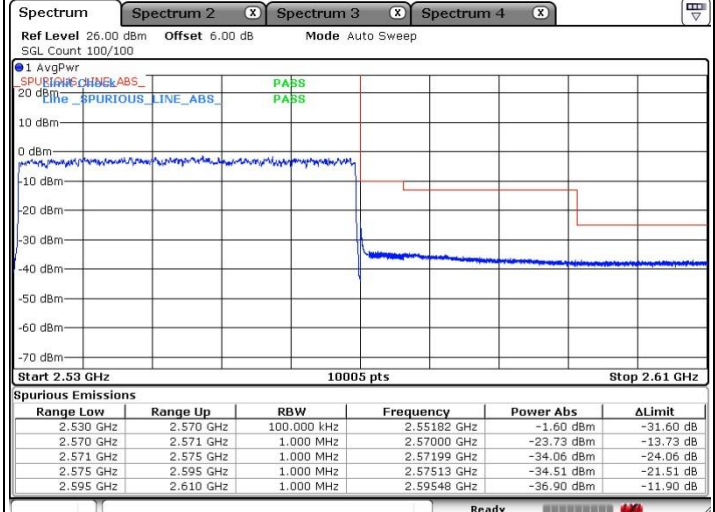
FR1 n7 /40MHz / DFT-s-OFDM / PI/2 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.NOV.2021 22:53:18



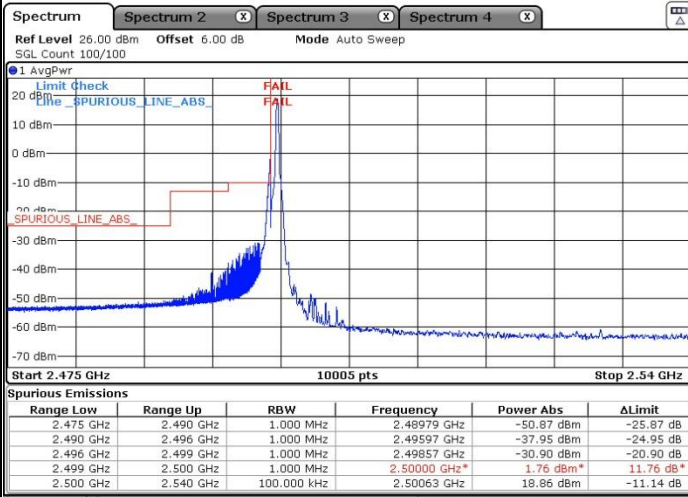
Date: 26.NOV.2021 00:10:48



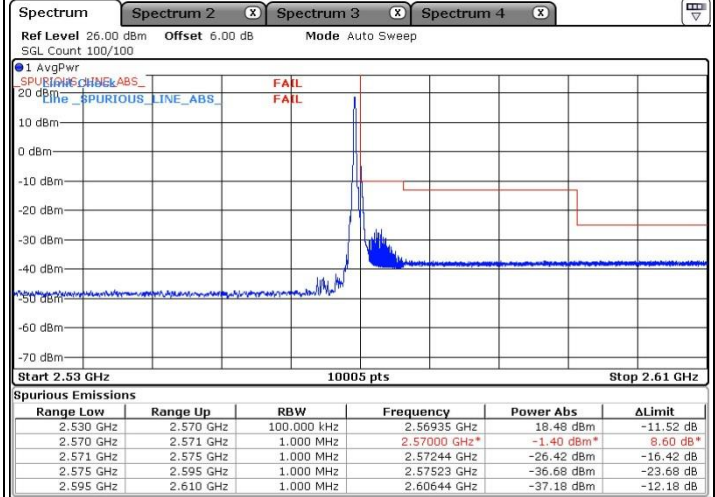
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 64QAM

Lowest Band Edge / 1RB0

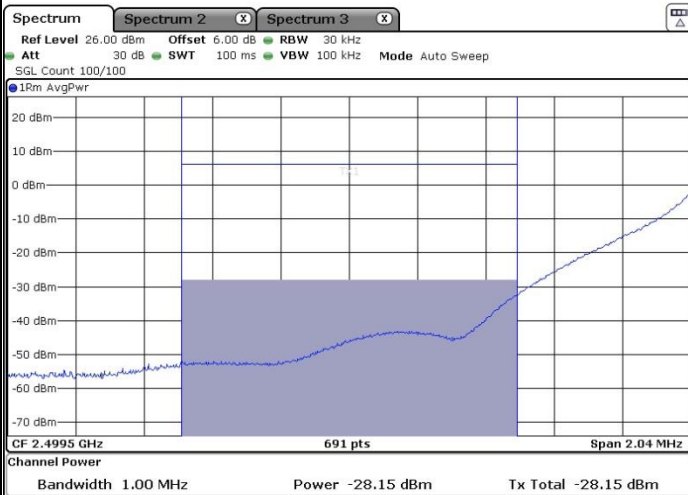
Highest Band Edge / 1RBMAX



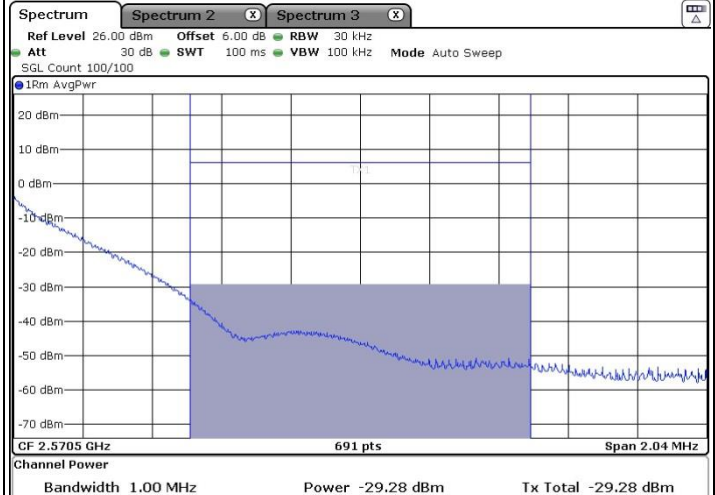
Date: 25.NOV.2021 23:00:19



Date: 26.NOV.2021 00:02:04



Date: 26.NOV.2021 01:25:49



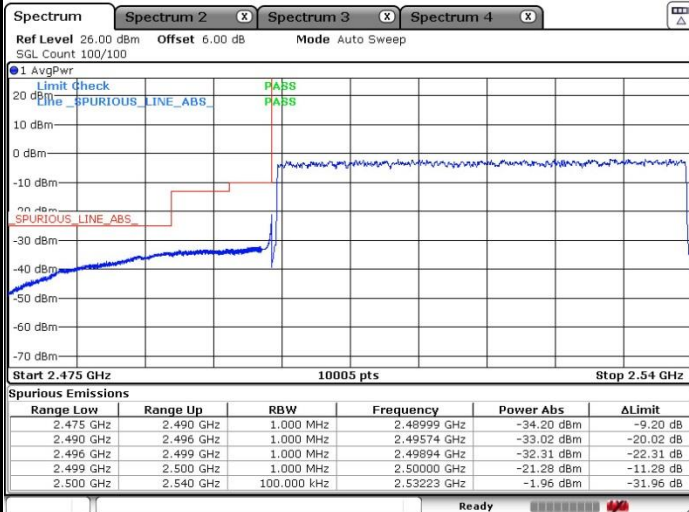
Date: 26.NOV.2021 01:32:51



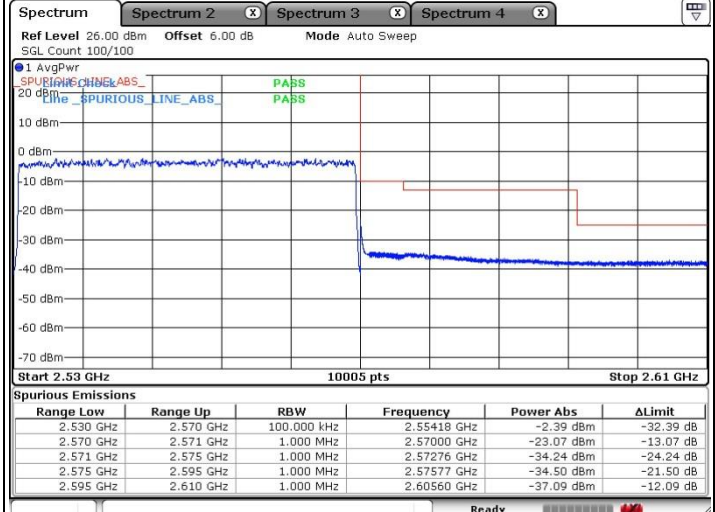
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.NOV.2021 22:54:29



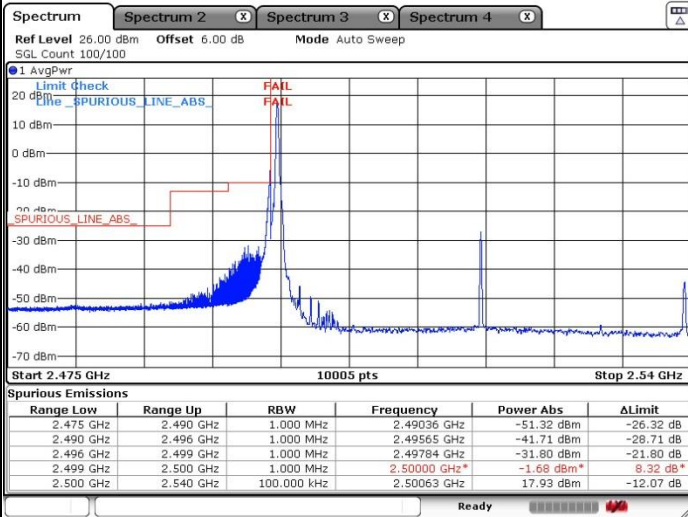
Date: 26.NOV.2021 00:08:40



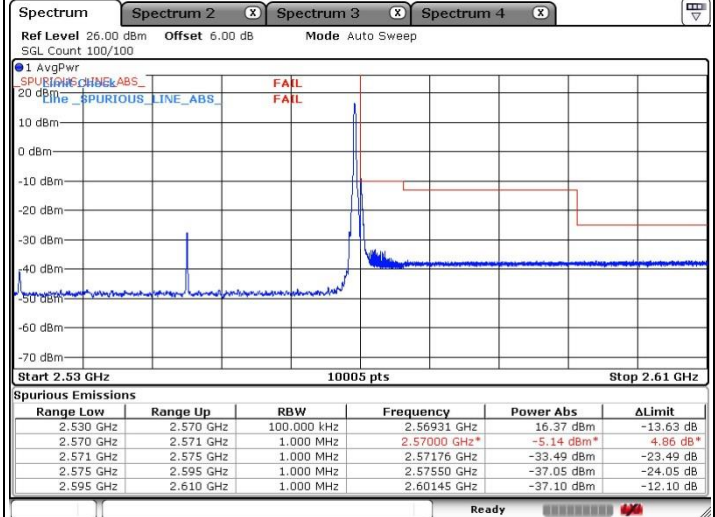
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 256QAM

Lowest Band Edge / 1RB0

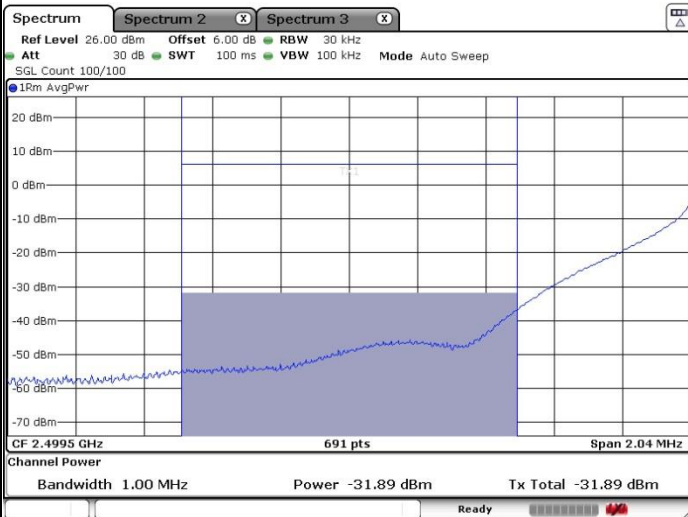
Highest Band Edge / 1RBMAX



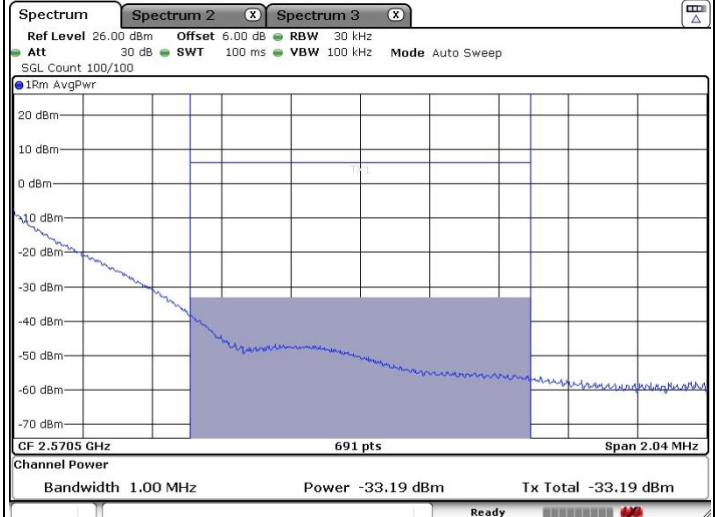
Date: 25.NOV.2021 22:58:11



Date: 26.NOV.2021 00:04:20



Date: 26.NOV.2021 01:26:13



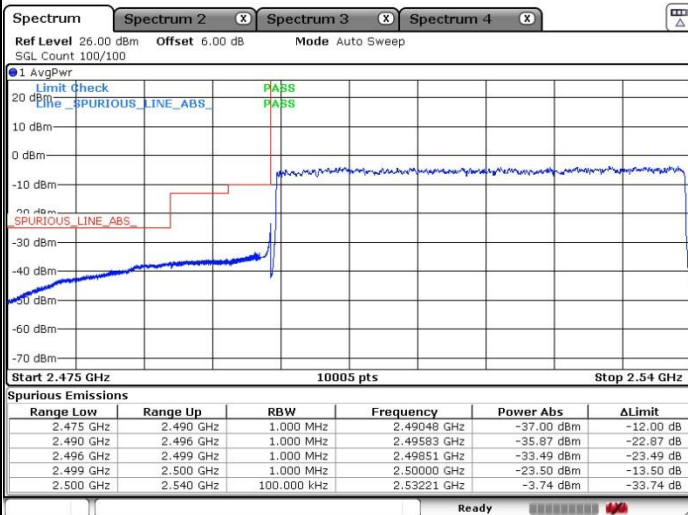
Date: 26.NOV.2021 01:33:30



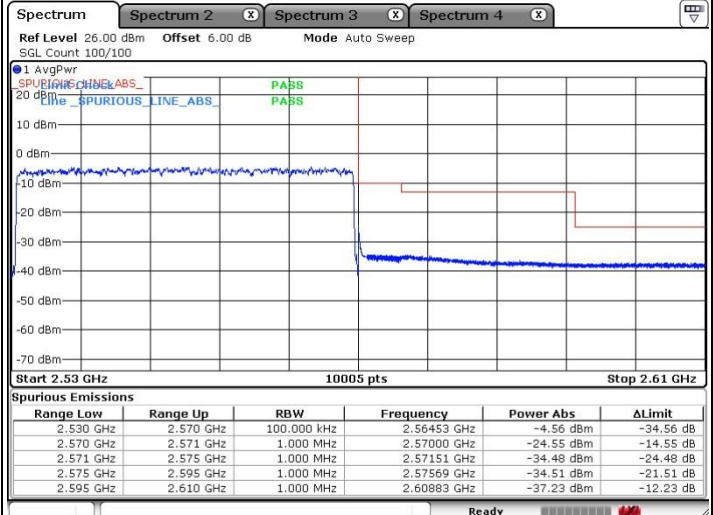
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.NOV.2021 22:55:42



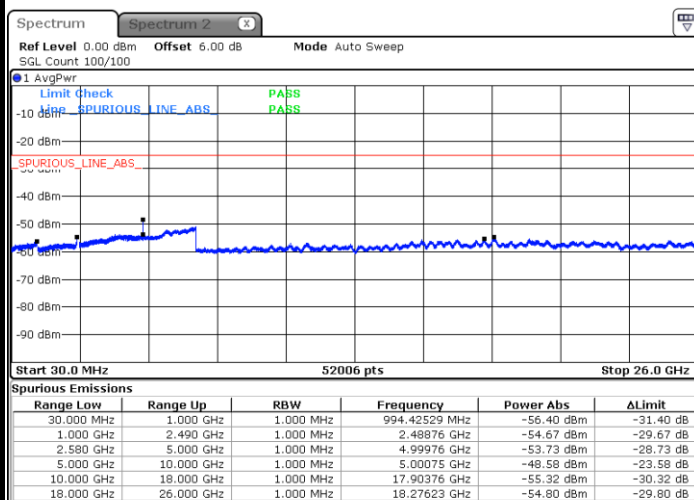
Date: 26.NOV.2021 00:06:28



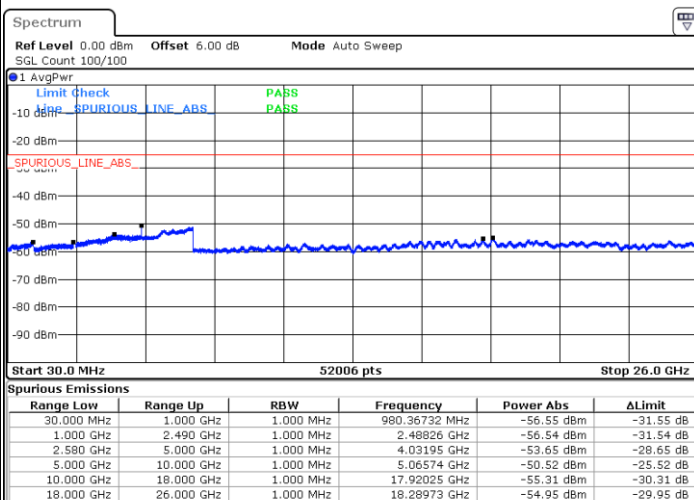
Conducted Spurious Emission

FR1 n7 / 5MHz / DFT-S OFDM / QPSK

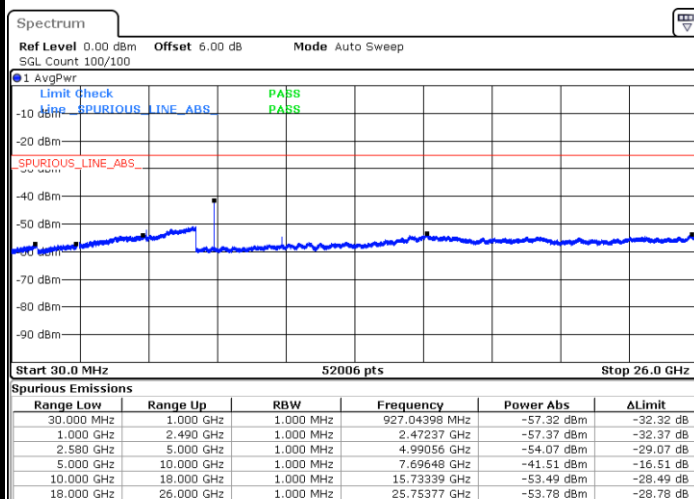
Lowest Channel / 1RB1



Middle Channel / 1RB1



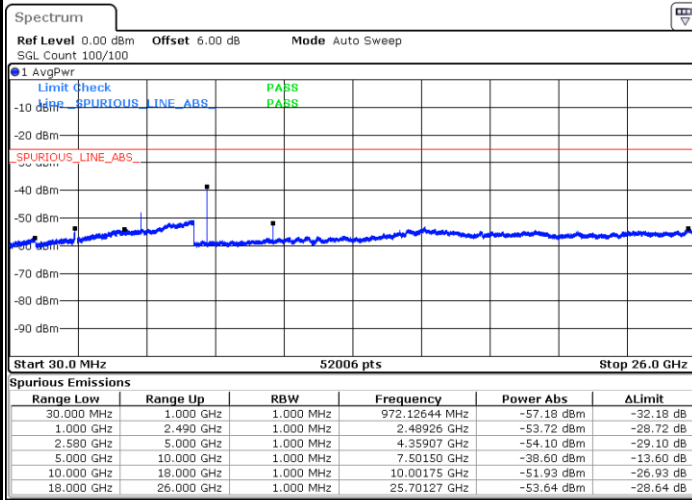
Highest Channel / 1RB1





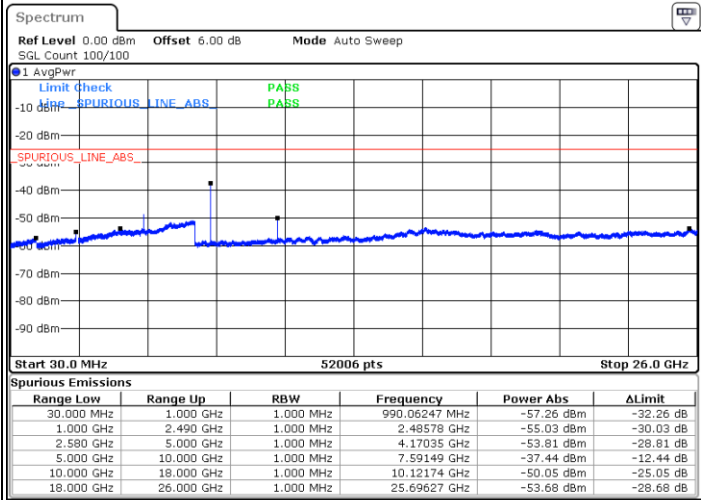
FR1 n7 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



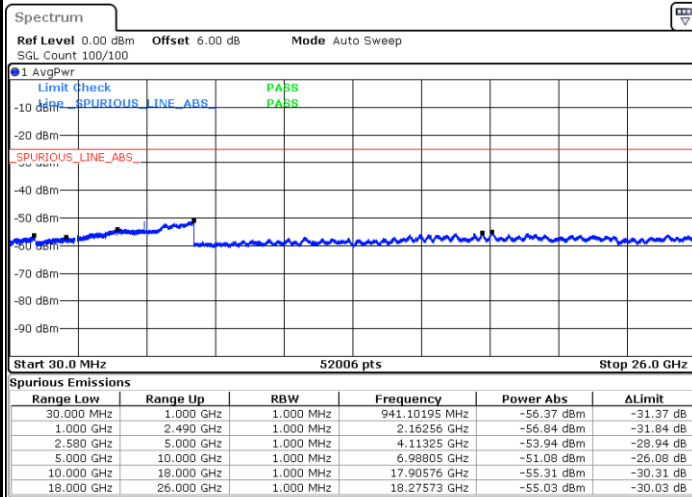
Date: 25.NOV.2021 03:50:25

Middle Channel / 1RB1



Date: 25.NOV.2021 03:47:35

Highest Channel / 1RB1

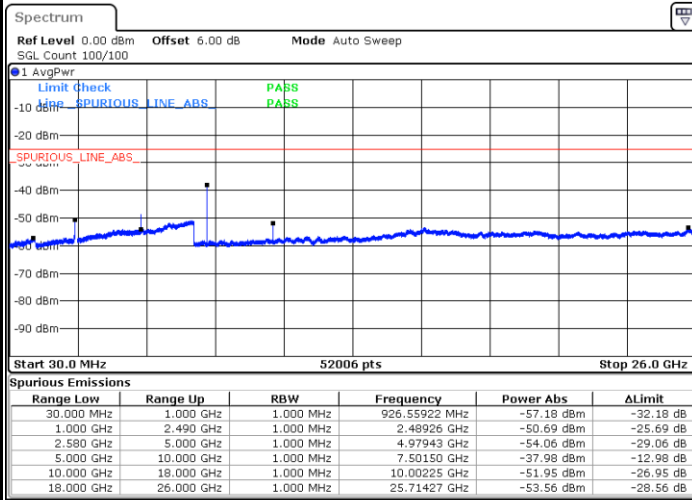


Date: 26.NOV.2021 09:50:45



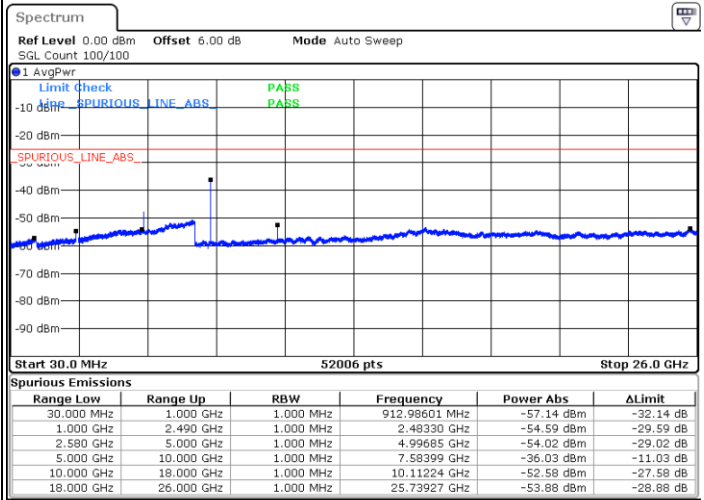
FR1 n7 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



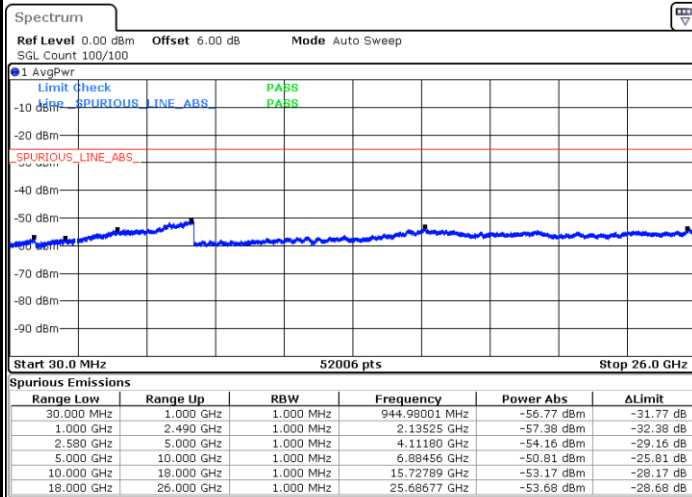
Date: 25.NOV.2021 03:30:36

Middle Channel / 1RB1



Date: 25.NOV.2021 03:14:21

Highest Channel / 1RB1

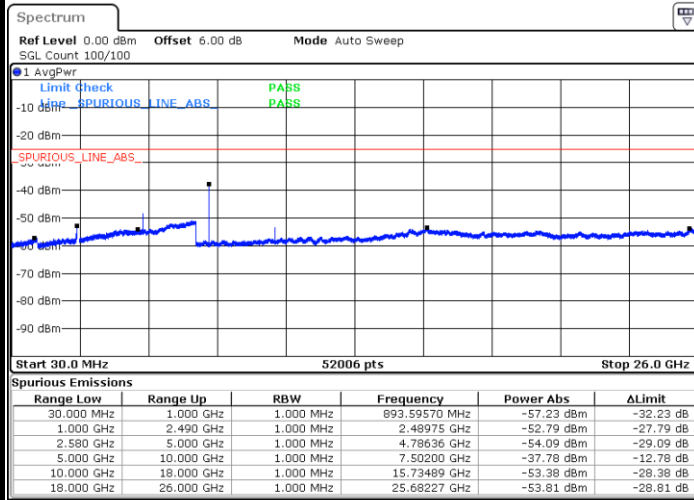


Date: 25.NOV.2021 03:32:51



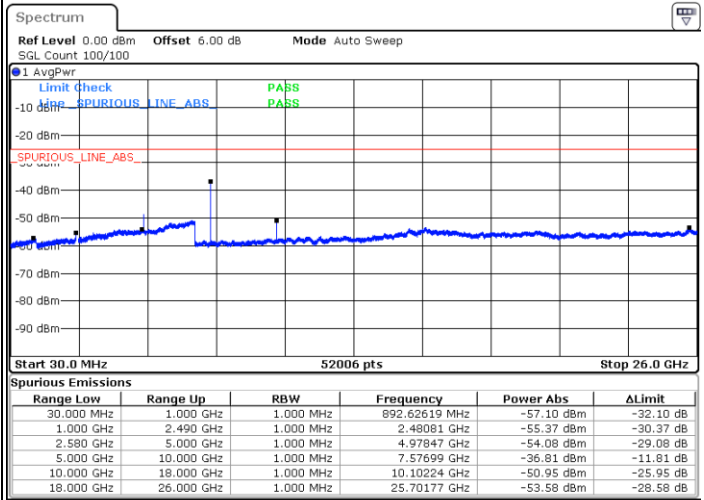
FR1 n7 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



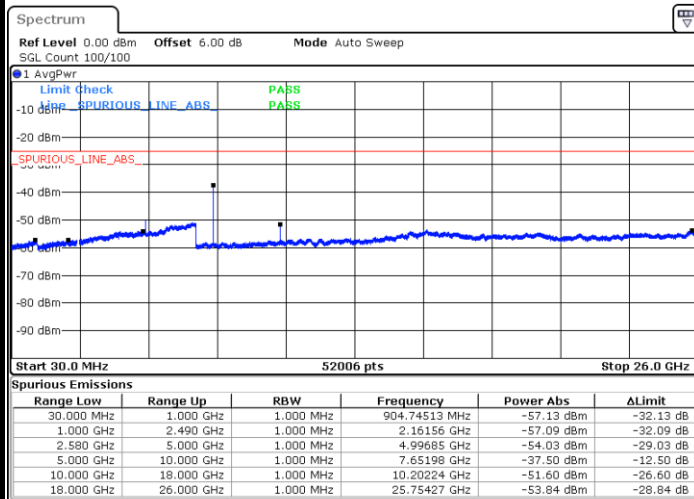
Date: 25.NOV.2021 02:15:35

Middle Channel / 1RB1



Date: 25.NOV.2021 02:31:22

Highest Channel / 1RB1

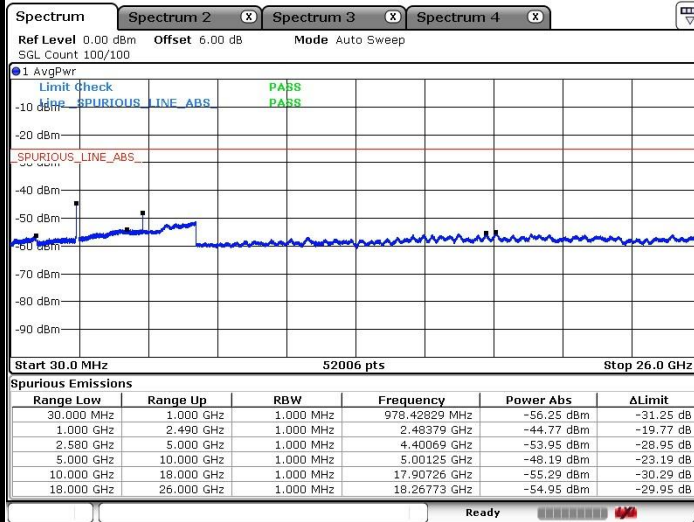


Date: 25.NOV.2021 02:57:20



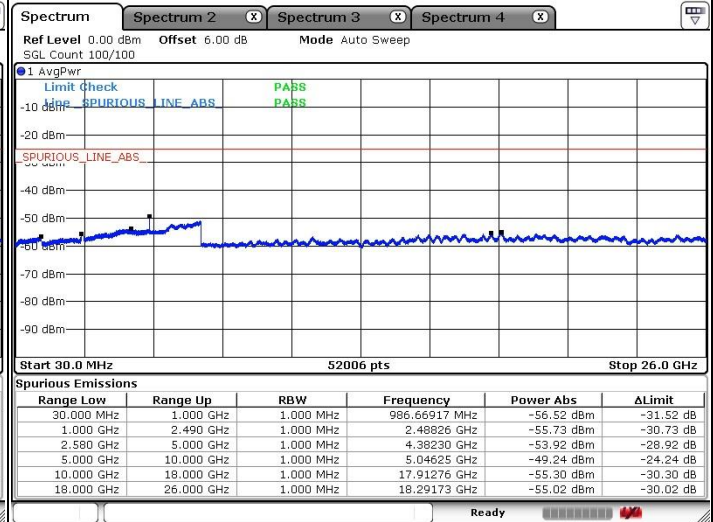
FR1 n7 / 25MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



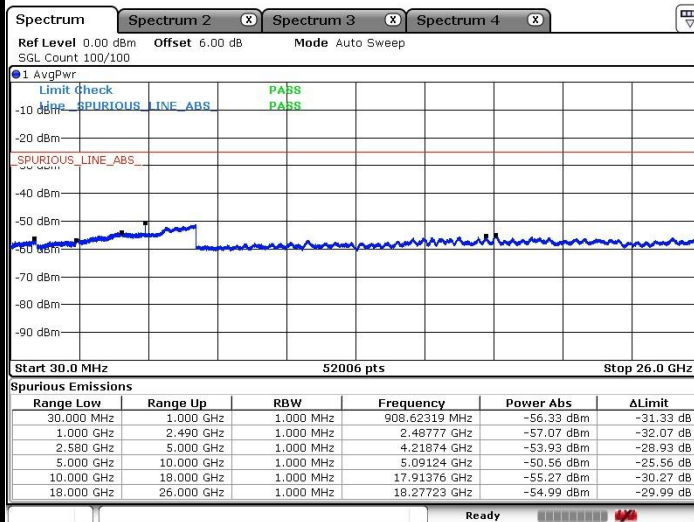
Date: 2.DEC.2021 10:50:56

Middle Channel / 1RB1



Date: 2.DEC.2021 10:49:15

Highest Channel / 1RB1



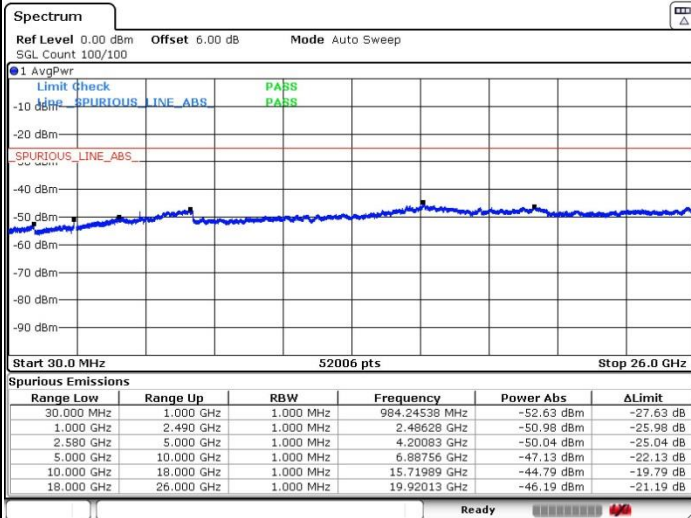
Date: 2.DEC.2021 12:14:08



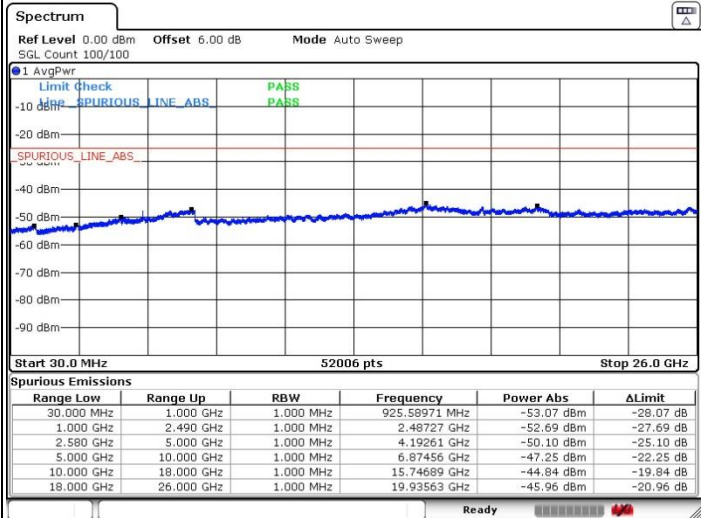
FR1 n7 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

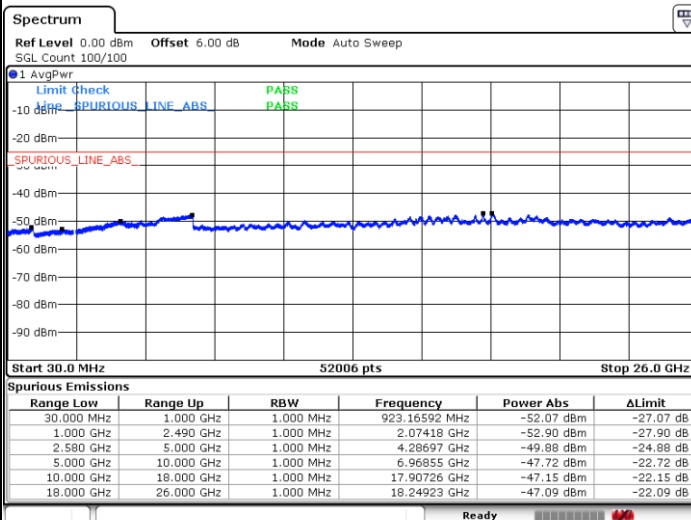


Date: 25.NOV.2021 20:52:51



Date: 25.NOV.2021 20:51:24

Highest Channel / 1RB1

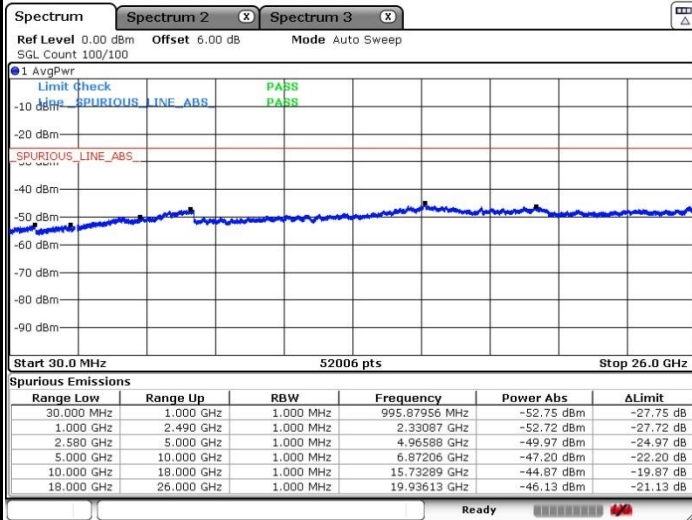


Date: 2.DEC.2021 12:41:35



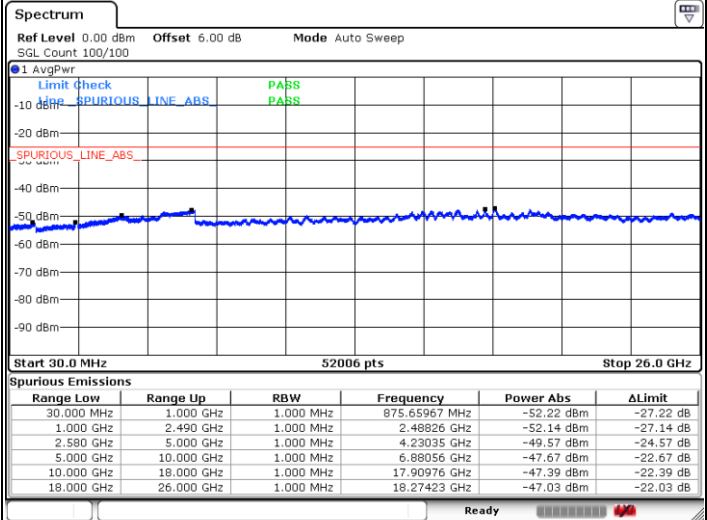
FR1 n7 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



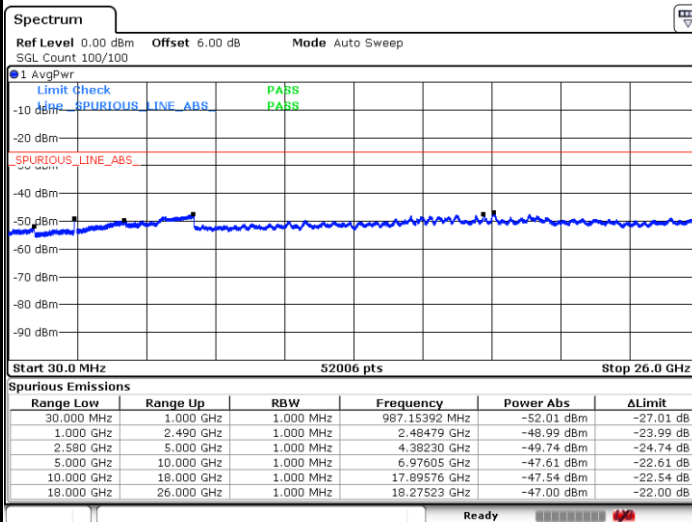
Date: 26.NOV.2021 01:39:39

Middle Channel / 1RB1



Date: 2.DEC.2021 12:45:46

Highest Channel / 1RB1



Date: 2.DEC.2021 12:47:11

Frequency Stability

Test Conditions		FR1 n7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0010	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n38

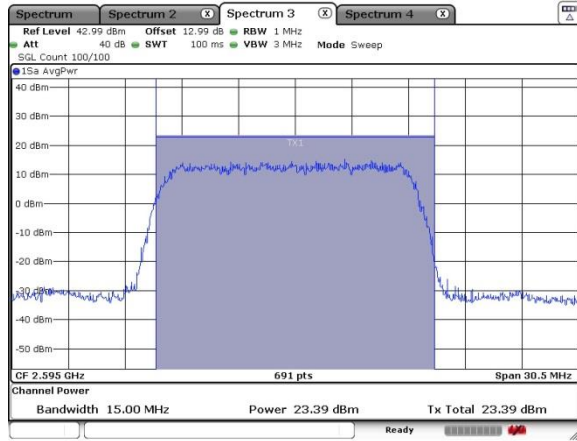
Peak-to-Average Ratio

Mode	FR1 n38 / 15MHz / DFT-S OFDM				
Mod.	15M				Limit: 13dB
RB Size	BPSK	QPSK	16QAM	64QAM	Result
Middle CH	5.11	5.13	5.36	5.23	PASS
RB Size	256QAM				
Middle CH	5.38				



Middle Channel / Full RB

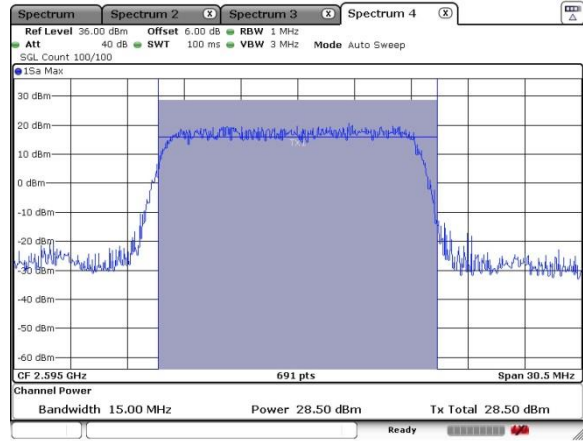
BPSK-A



Date: 3,DEC,2021 18:57:02

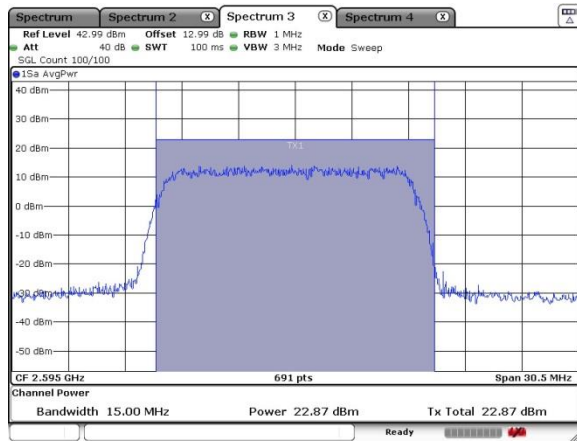
Middle Channel / Full RB

BPSK-P



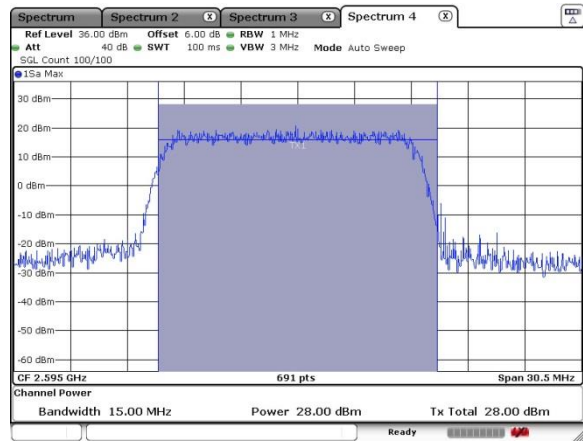
Date: 3,DEC,2021 19:10:02

QPSK-A



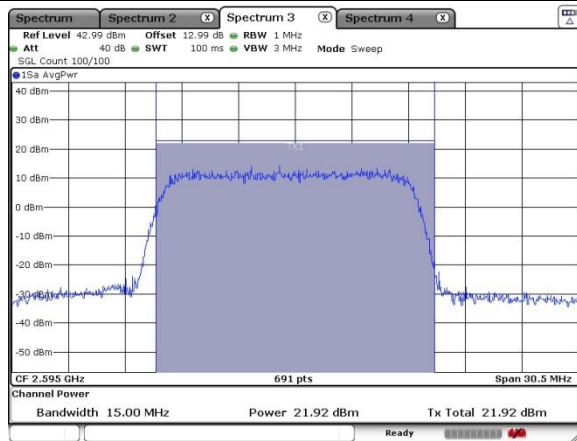
Date: 3,DEC,2021 18:56:25

QPSK-P



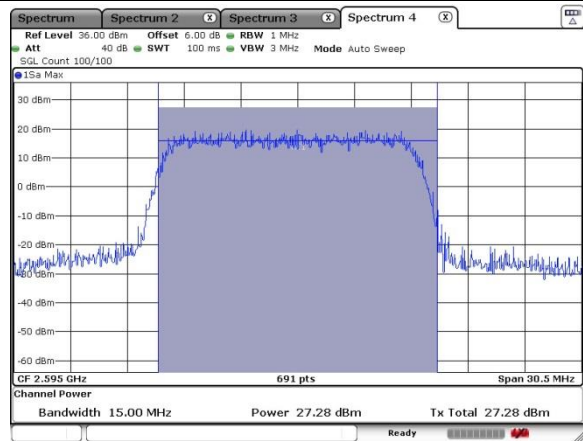
Date: 3,DEC,2021 19:10:00

16QAM-A



Date: 3,DEC,2021 18:57:30

16QAM-P

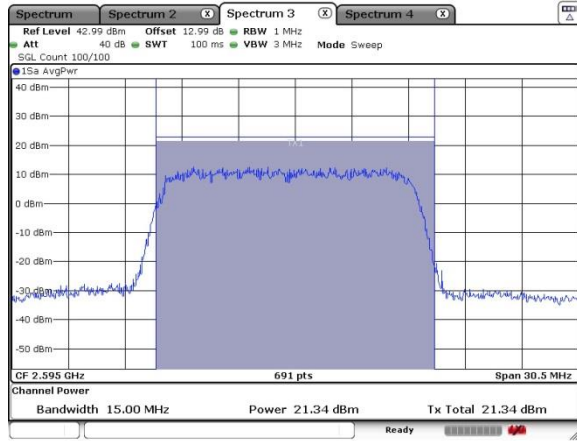


Date: 3,DEC,2021 19:10:43



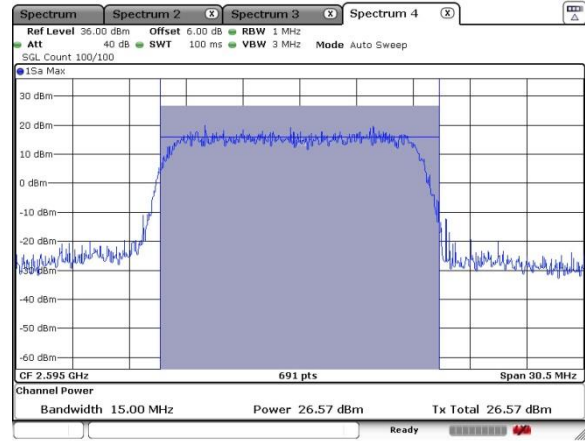
Middle Channel / Full RB

64QAM-A

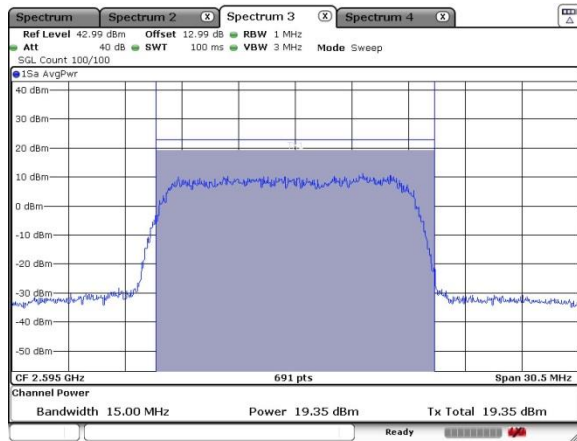


Middle Channel / Full RB

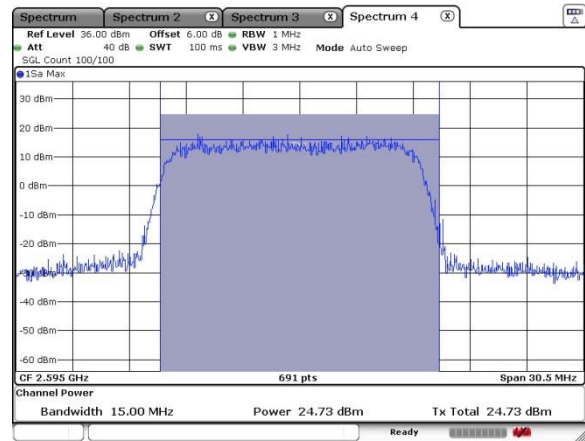
64QAM-P



256QAM-A

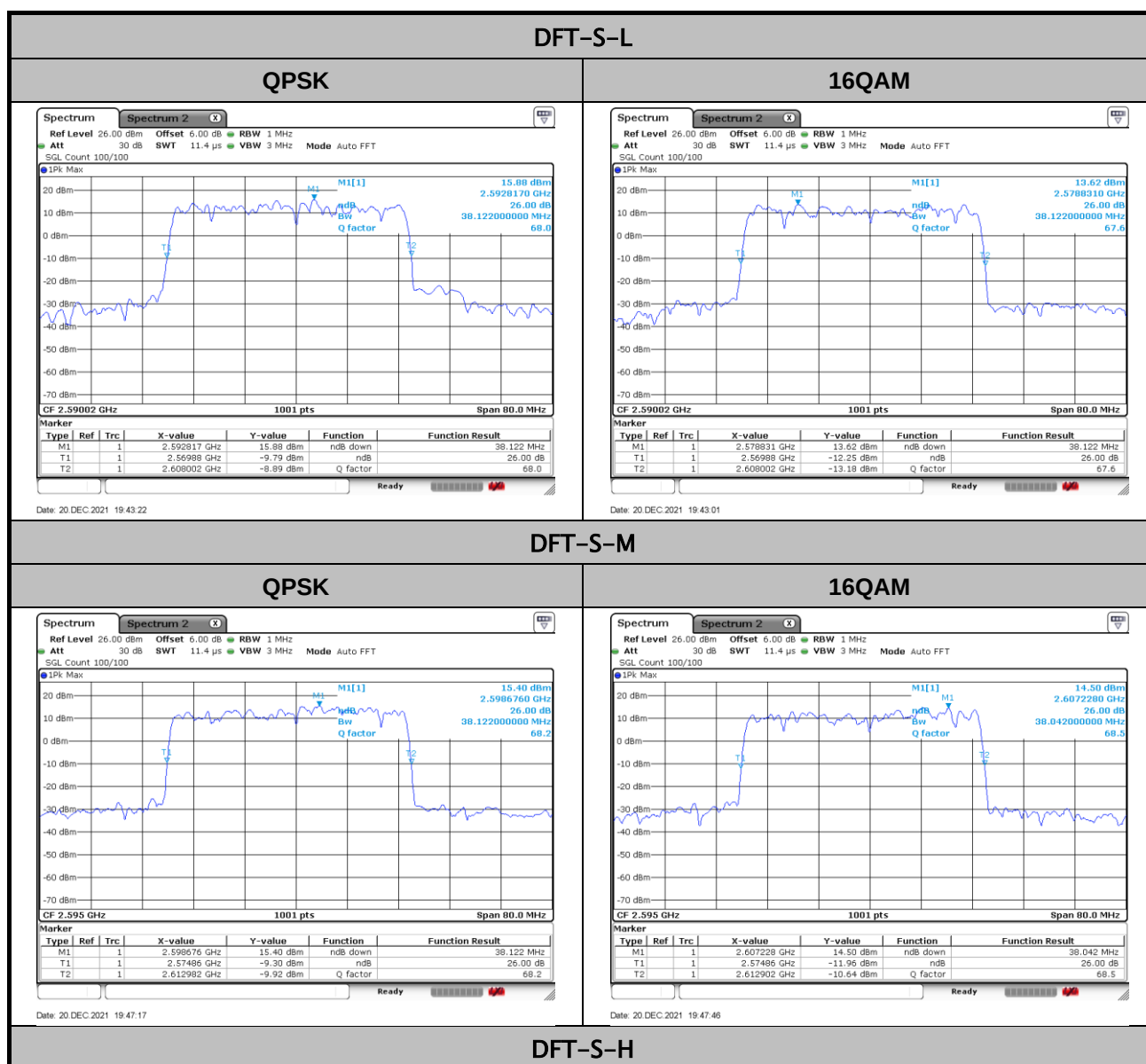


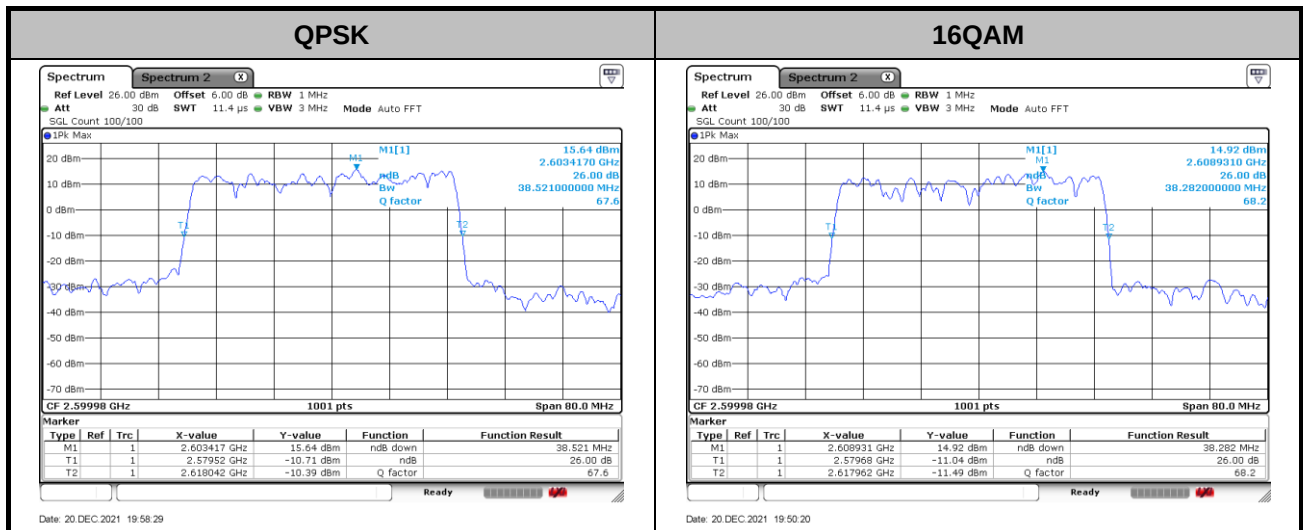
256QAM-P



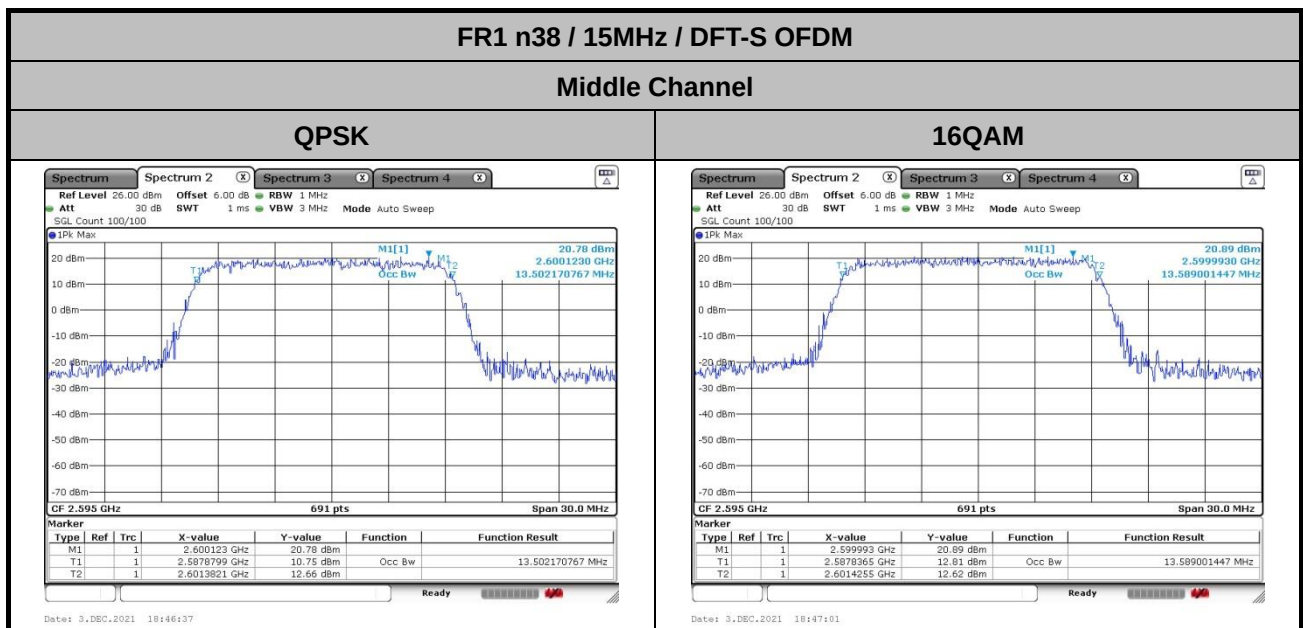
**26dB Bandwidth**

Mode	FR1 n38 : 26dB BW(40MHz) / DFT-S OFDM	
BW	DFT-S	
	QPSK	16QAM
Low	38.12	38.12
Mod.	38.12	38.04
Hig	38.52	38.28





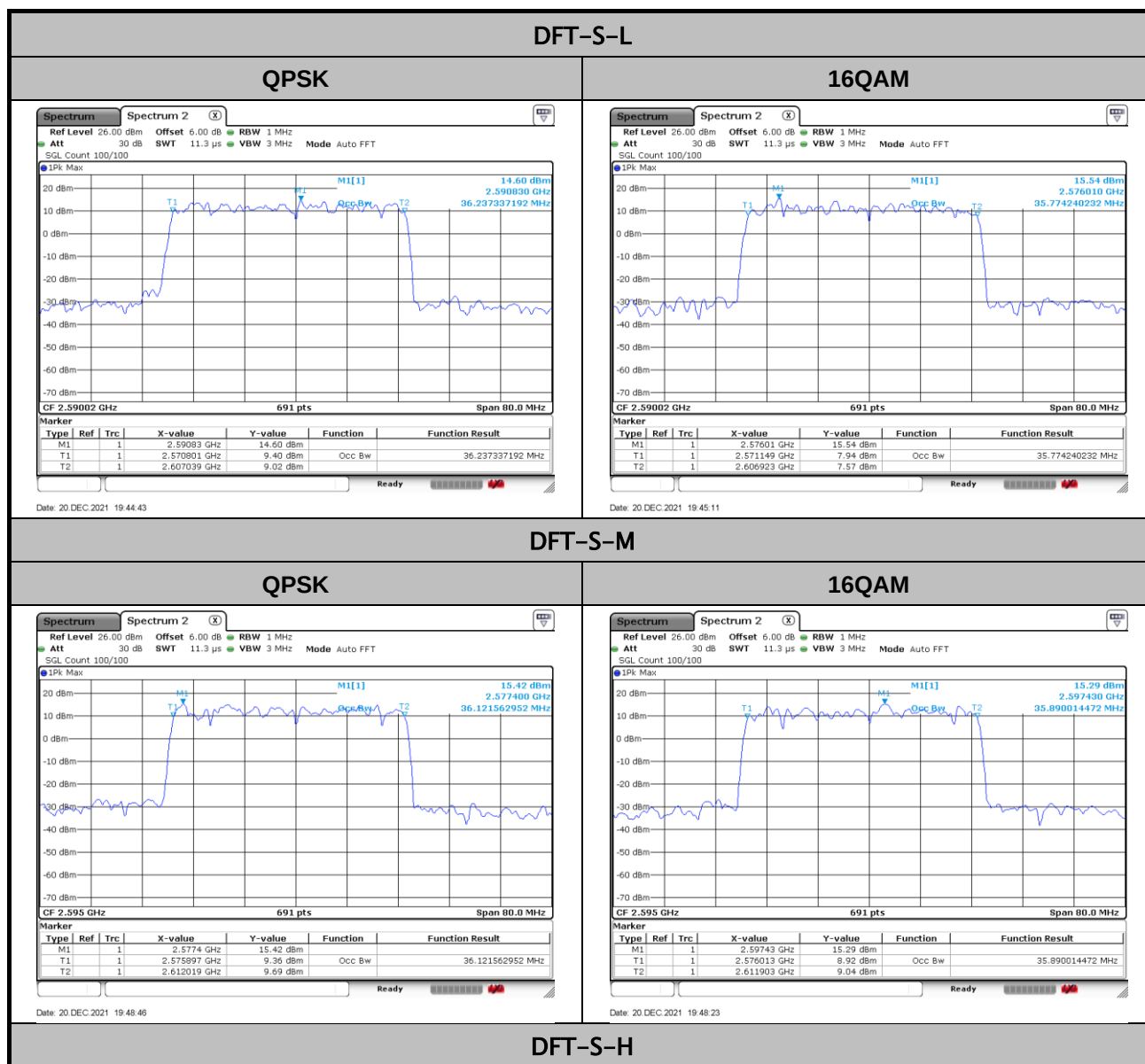
Mode	FR1 n38 : 26dB BW(MHz) / DFT-S OFDM	
BW	15M	
Mod.	QPSK	16QAM
Middle CH	13.50	13.59

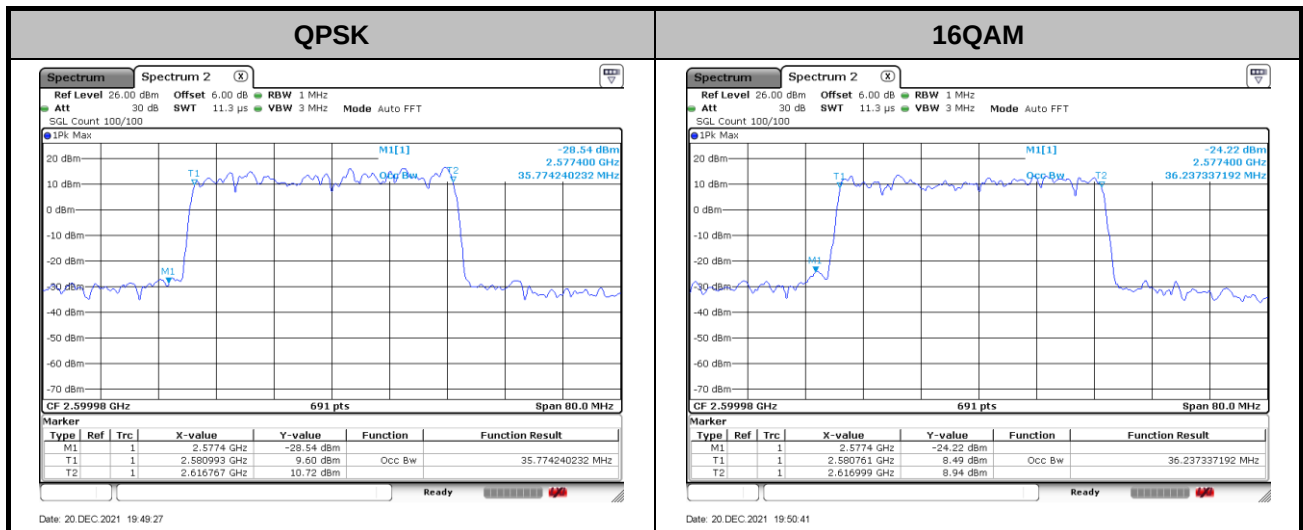




Occupied Bandwidth

Mode	FR1 n38 : OB BW(40MHz) / DFT-S OFDM	
BW	DFT-S	
	QPSK	16QAM
Low	36.24	35.77
Mod.	36.12	35.89
Hig	35.77	36.24





Mode	FR1 n38 : OB BW(MHz) / DFT-S OFDM	
BW	15M	
Mod.	QPSK	16QAM
Middle CH	15.37	15.33

