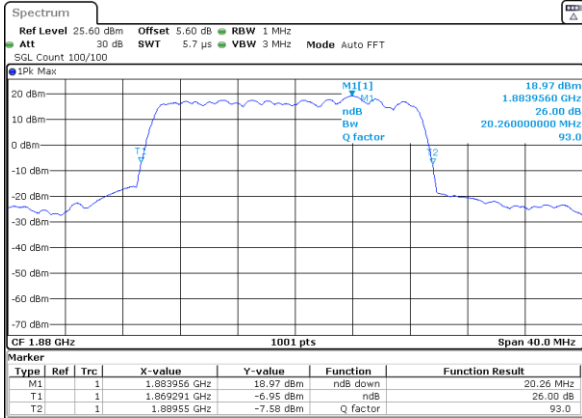




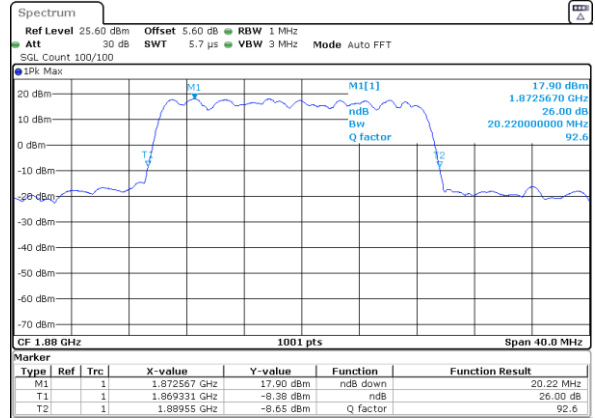
FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

QPSK



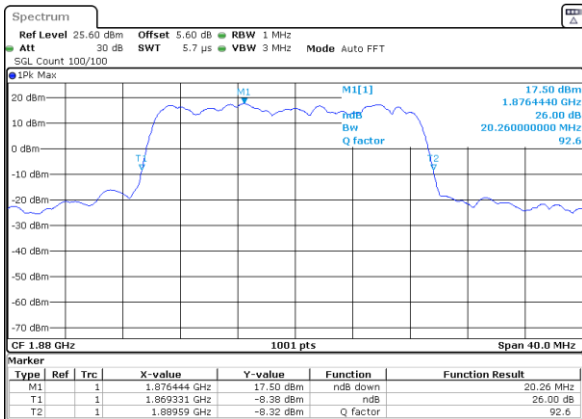
Date: 26 JUN 2022 15:20:55

16QAM



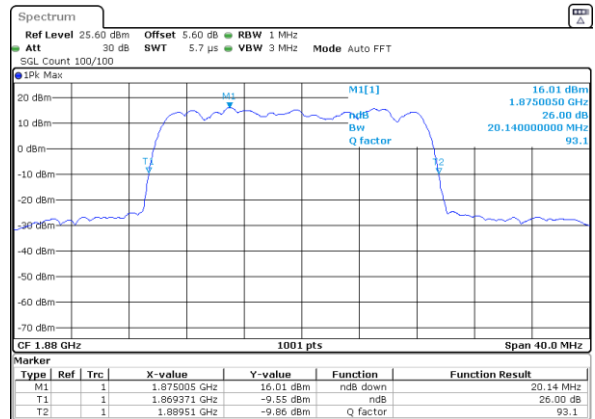
Date: 26 JUN 2022 15:21:31

64QAM



Date: 26 JUN 2022 15:21:50

256QAM



Date: 26 JUN 2022 15:22:16

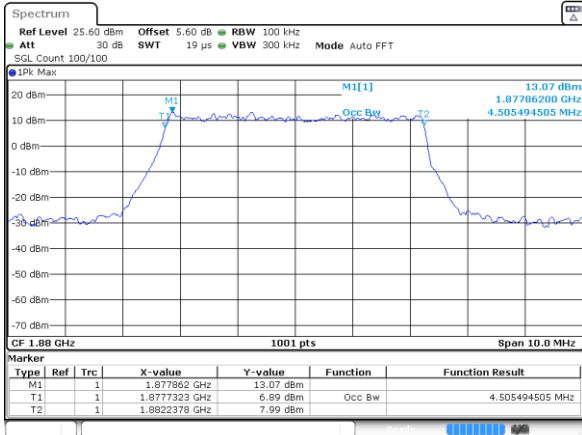
**Occupied Bandwidth**

Mode	FR1 n2 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK		QPSK		QPSK		QPSK	
Middle CH	4.51		9.41		14.12		18.38	
Mod.	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM
Middle CH	4.48	4.51	9.39	9.37	14.12	14.15	18.70	18.30
Mod.	256QAM		256QAM		256QAM		256QAM	
Middle CH	4.51		9.41		14.18		18.54	

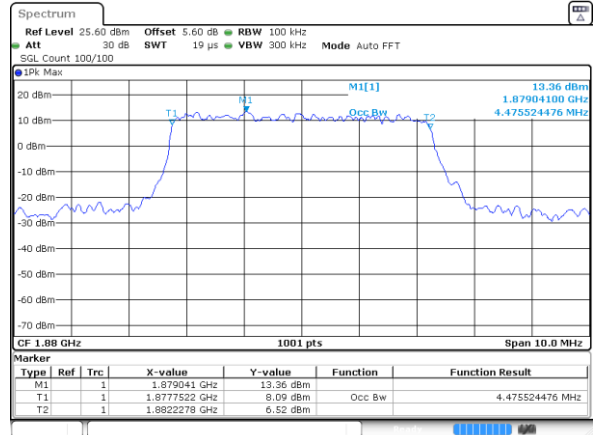


FR1 n2 / 5MHz / CP OFDM / Middle Channel / Full RB

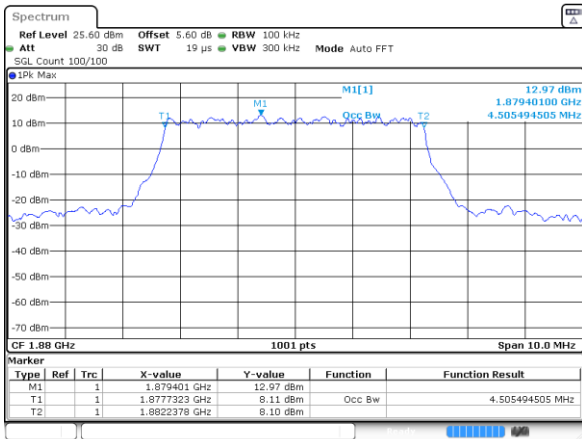
QPSK



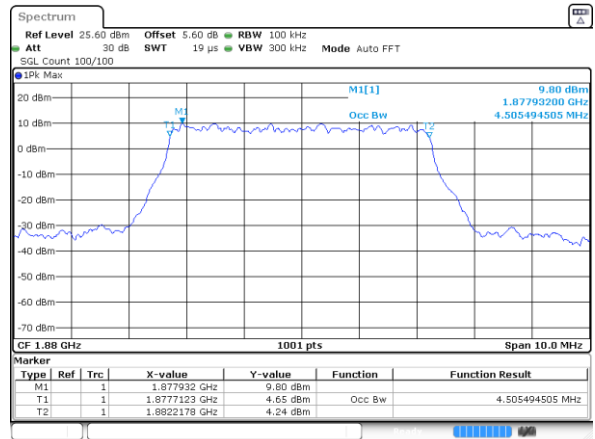
16QAM



64QAM



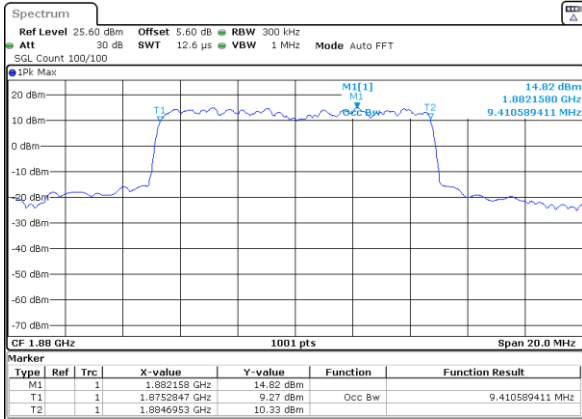
256QAM



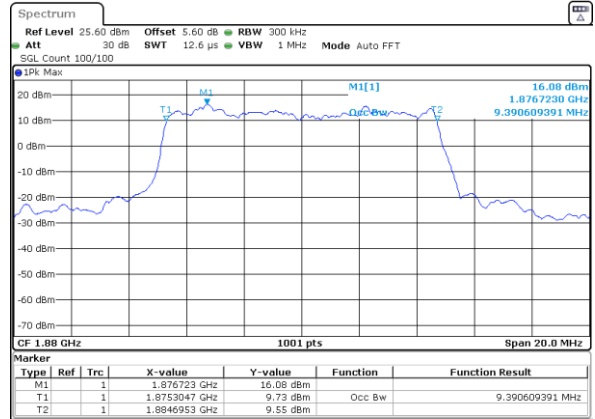


FR1 n2 / 10MHz / CP OFDM / Middle Channel / Full RB

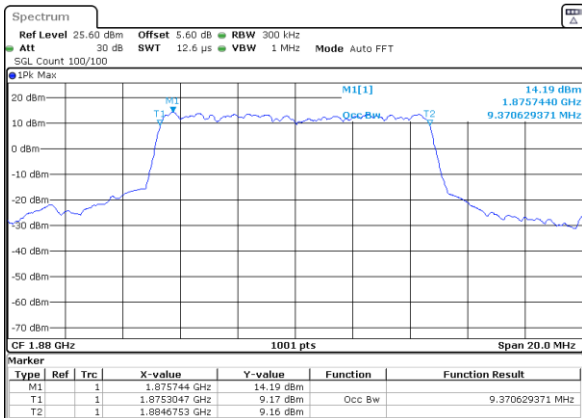
QPSK



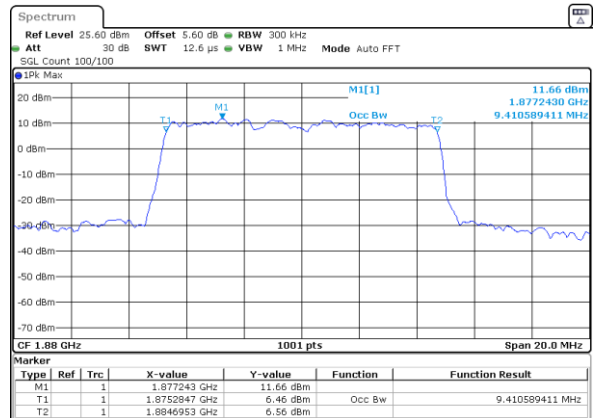
16QAM



64QAM



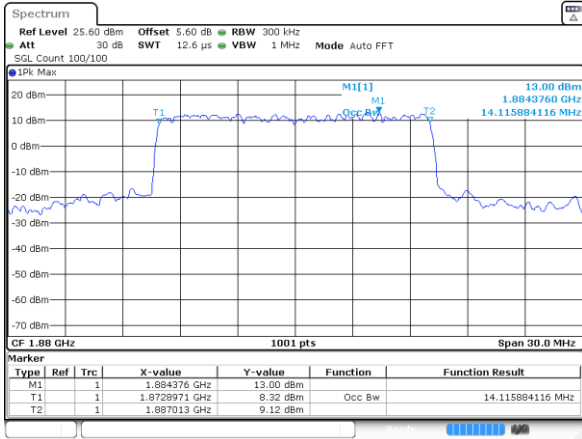
256QAM



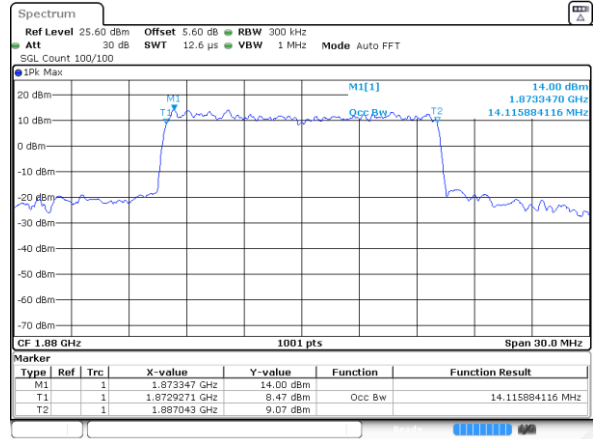


FR1 n2 / 15MHz / CP OFDM / Middle Channel / Full RB

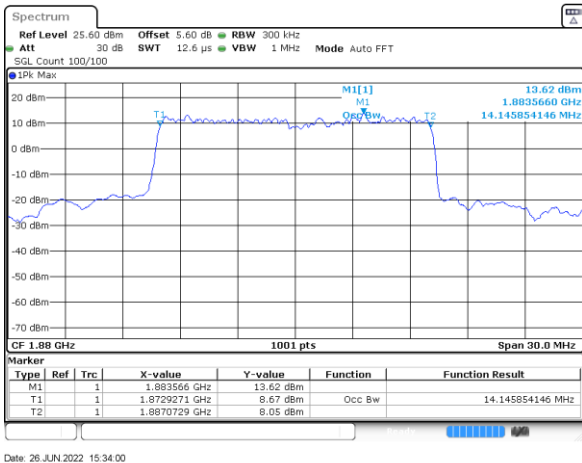
QPSK



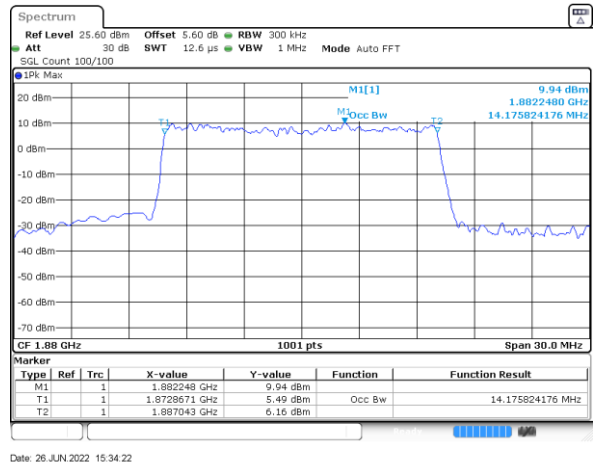
16QAM



64QAM



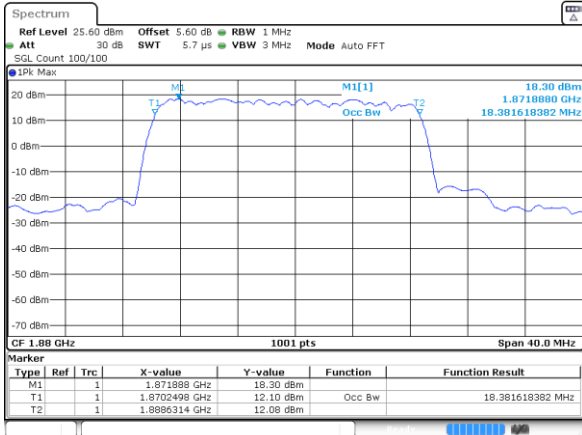
256QAM





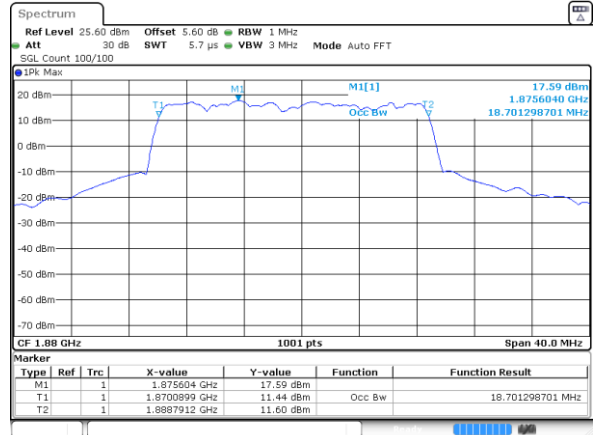
FR1 n2 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



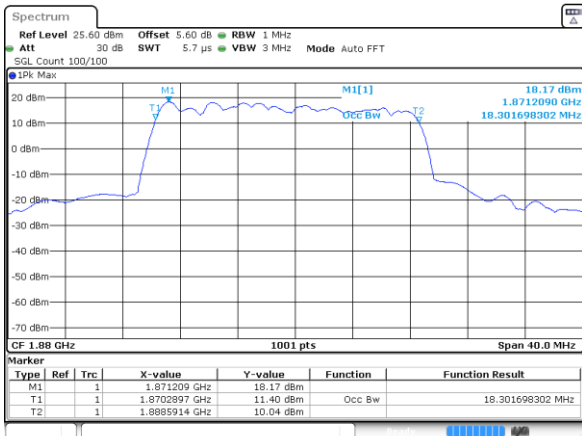
Date: 26 JUN 2022 15:20:47

16QAM



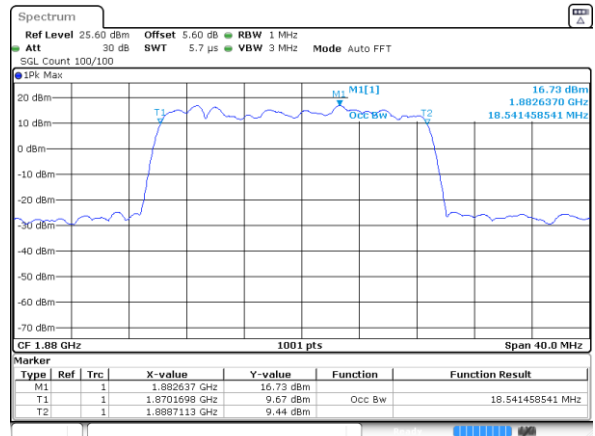
Date: 26 JUN 2022 15:21:25

64QAM



Date: 26 JUN 2022 15:21:43

256QAM



Date: 26 JUN 2022 15:21:07

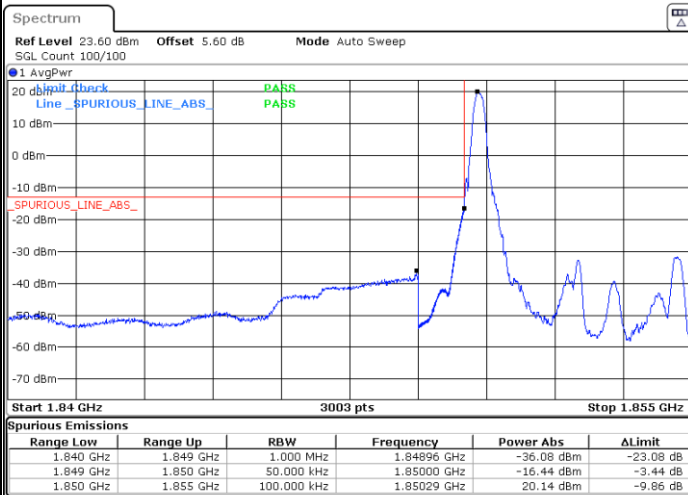


Conducted Band Edge

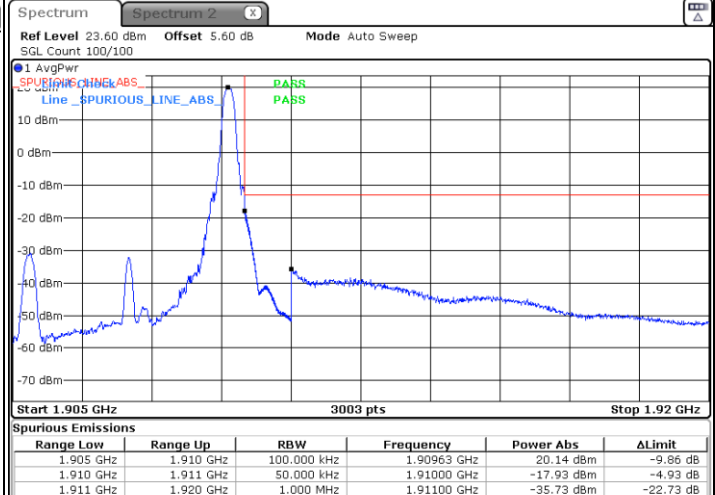
FR1 n2 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



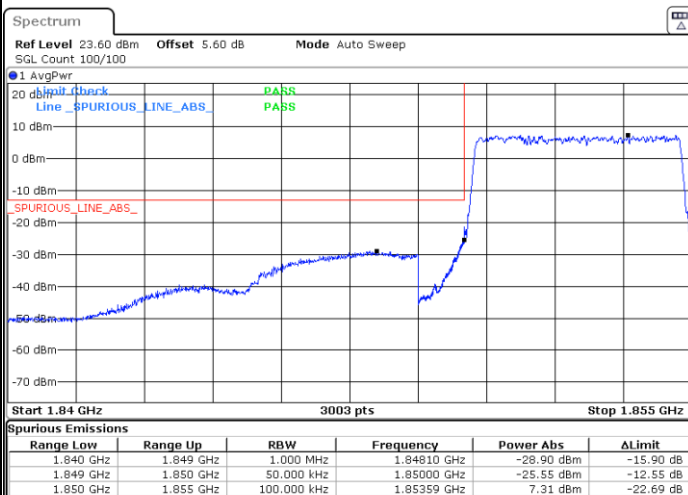
Date: 26 JUN 2022 15:56:02



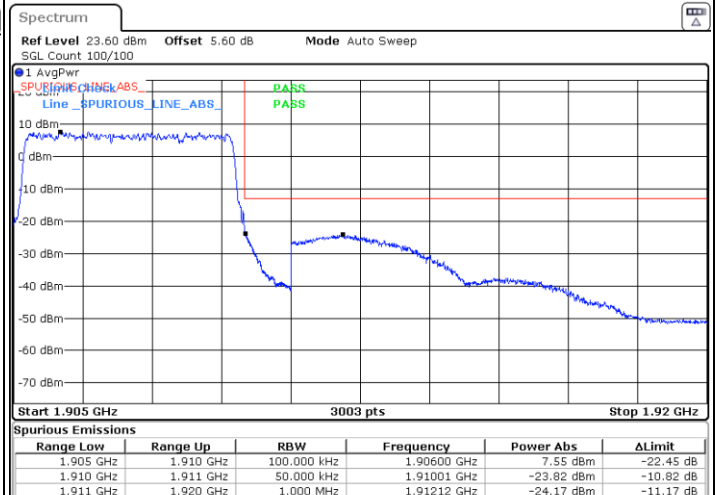
Date: 28 JUN 2022 21:53:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2022 15:54:15



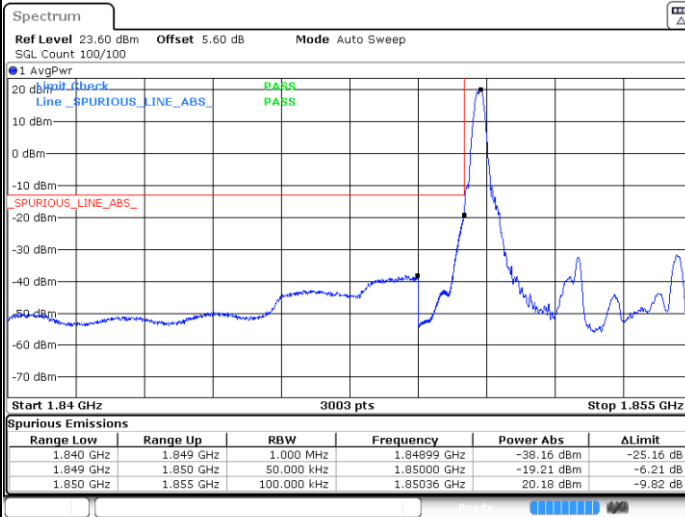
Date: 26 JUN 2022 15:57:06



FR1 n2 / 5MHz / DFT-S OFDM / QPSK

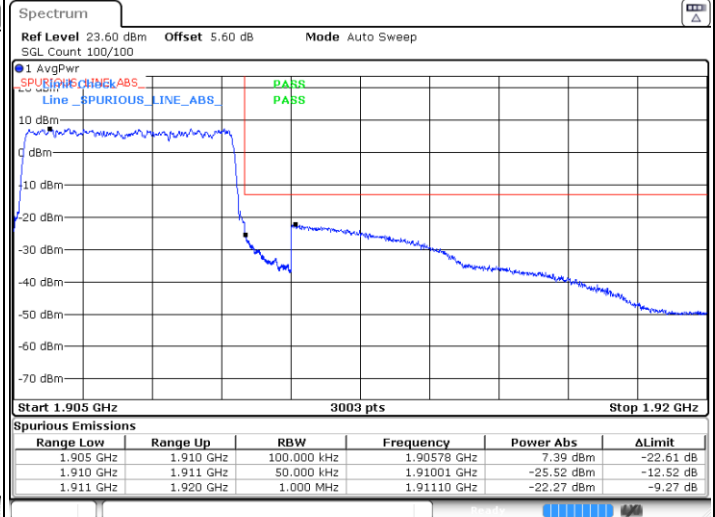
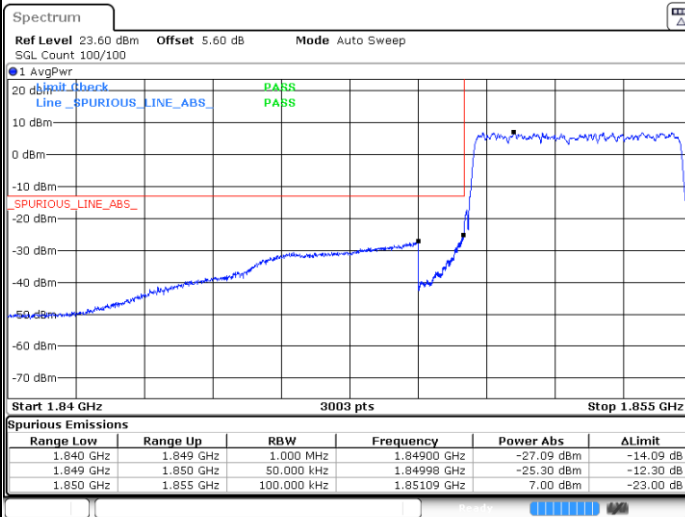
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

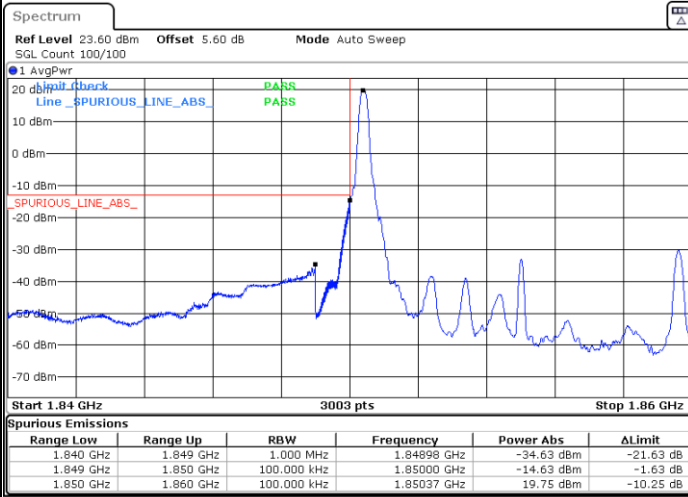




FR1 n2 / 10MHz / DFT-s-OFDM / PI/2 BPSK

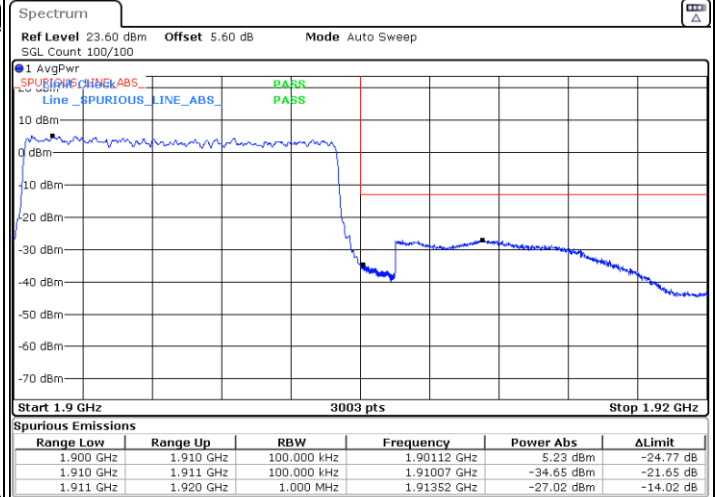
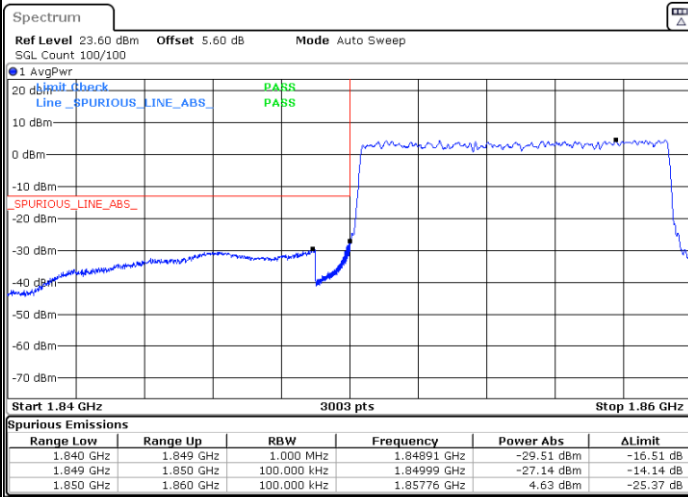
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

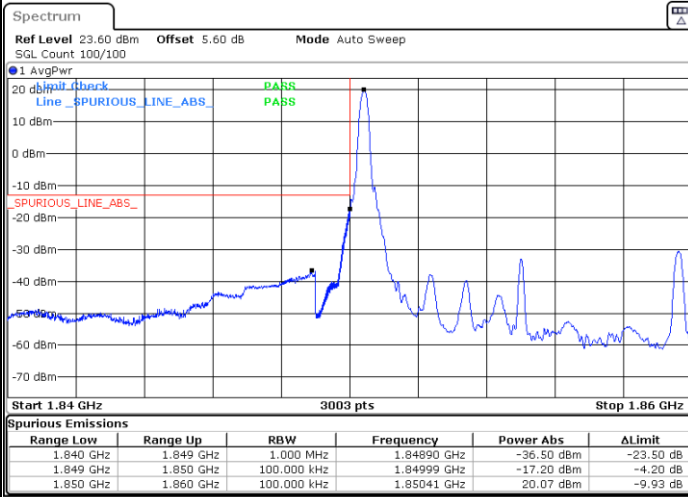




FR1 n2 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



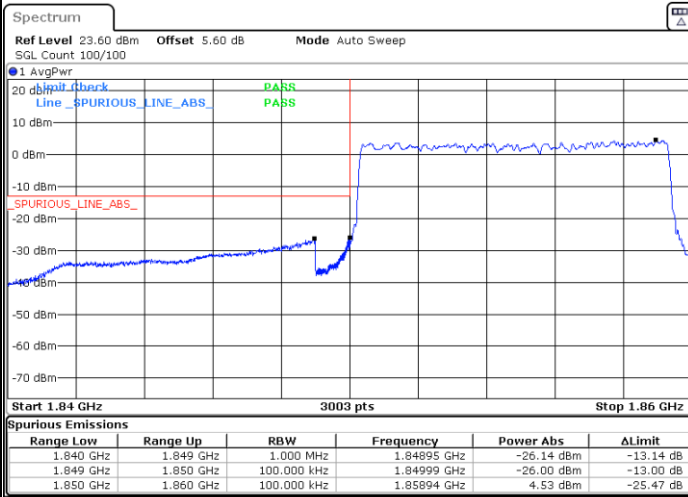
Date: 26 JUN 2022 15:38:18



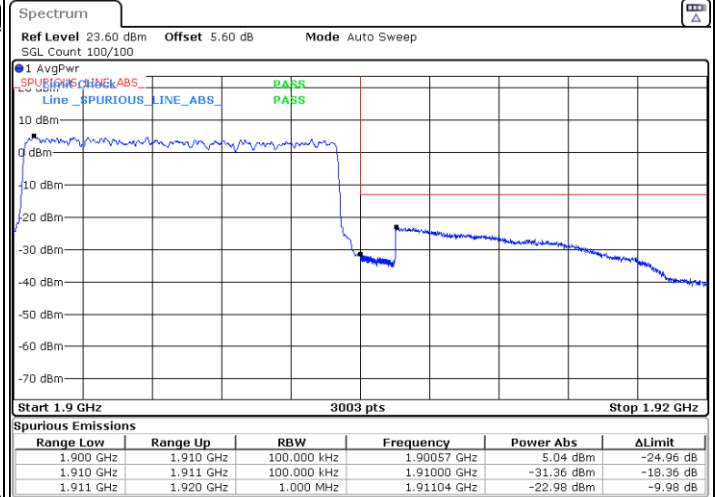
Date: 26 JUN 2022 15:46:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2022 15:37:59



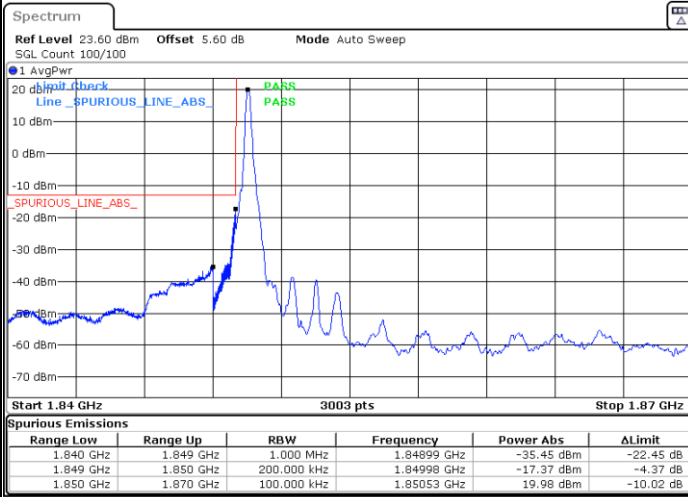
Date: 26 JUN 2022 15:45:44



FR1 n2 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



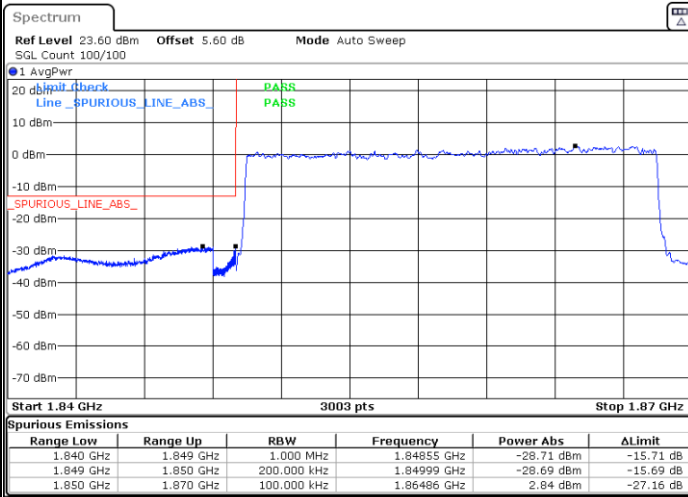
Date: 26 JUN 2022 15:23:45



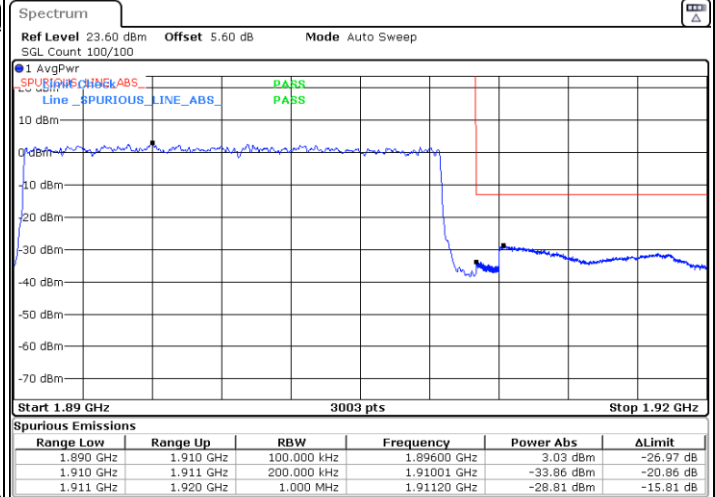
Date: 26 JUN 2022 15:32:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2022 15:24:36



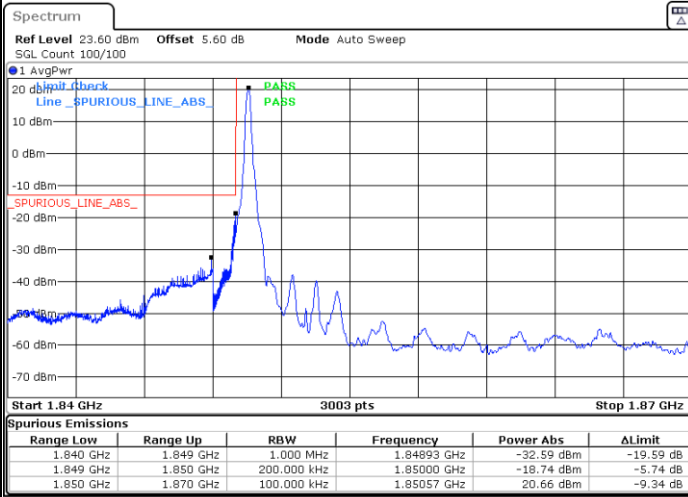
Date: 26 JUN 2022 15:31:53



FR1 n2 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



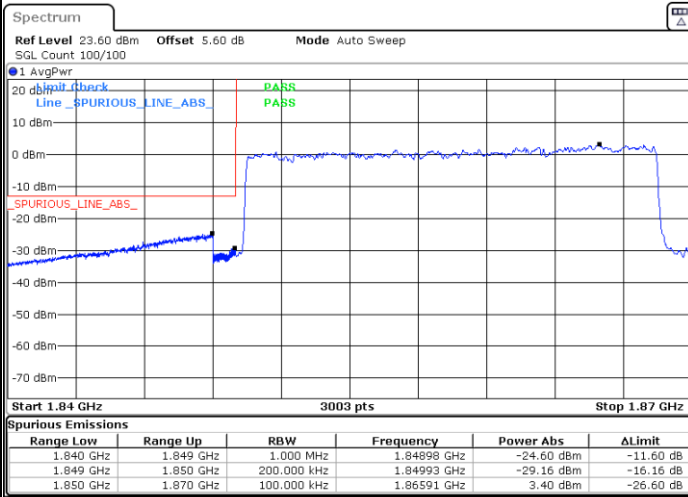
Date: 26 JUN 2022 15:24:02



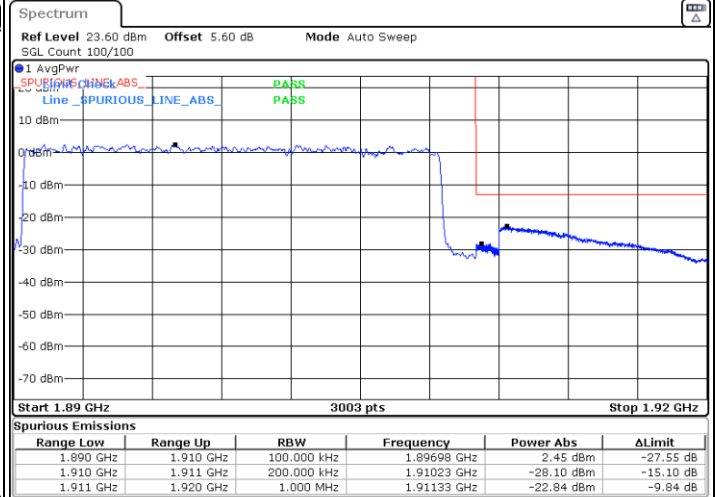
Date: 26 JUN 2022 15:32:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2022 15:24:18



Date: 26 JUN 2022 15:31:37

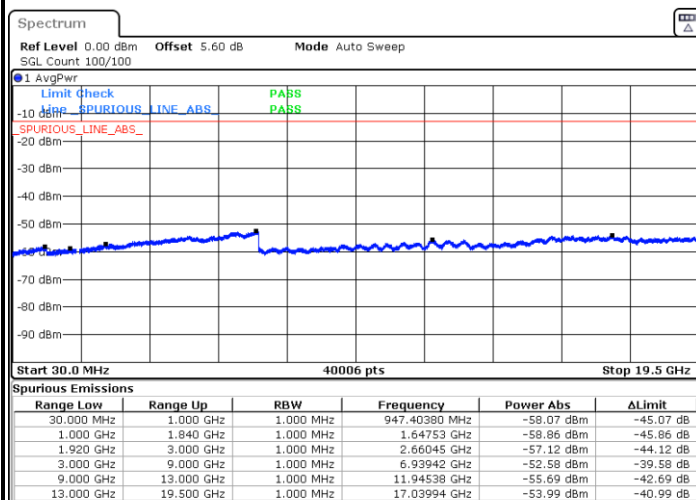


Conducted Spurious Emission

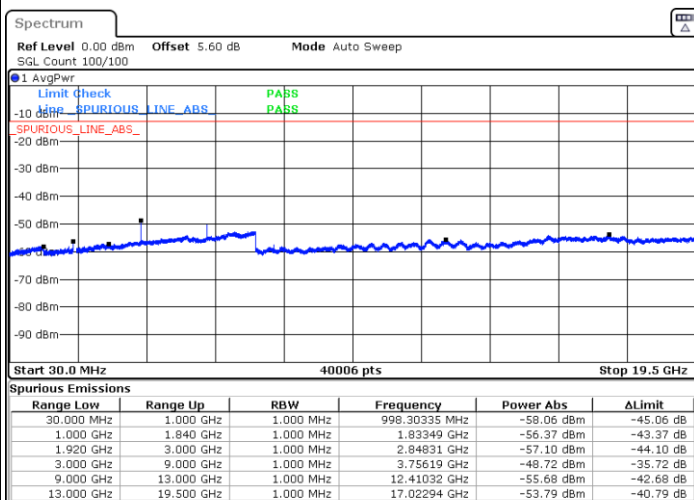
FR1 n2 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

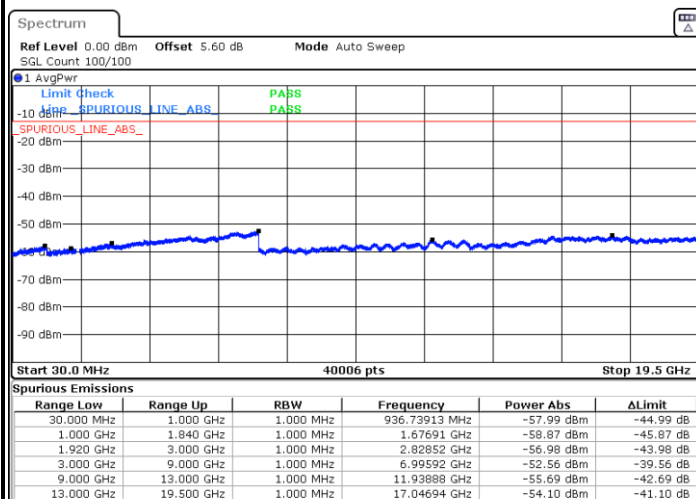


Date: 26 JUN 2022 16:03:29



Date: 26 JUN 2022 16:01:14

Highest Channel / 1RB1



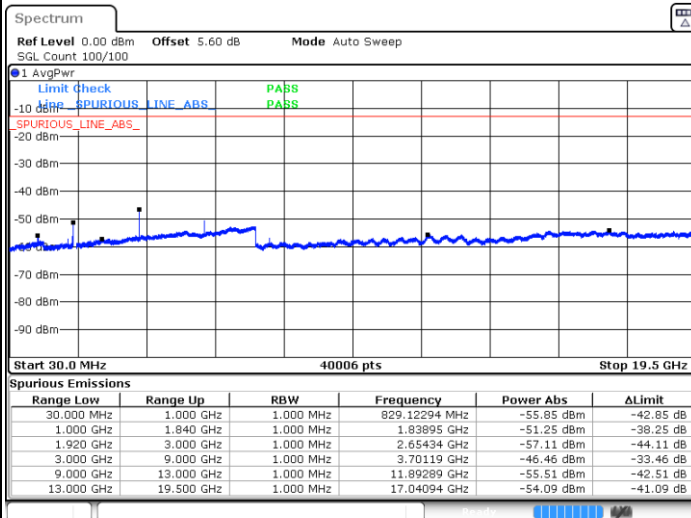
Date: 26 JUN 2022 16:00:22



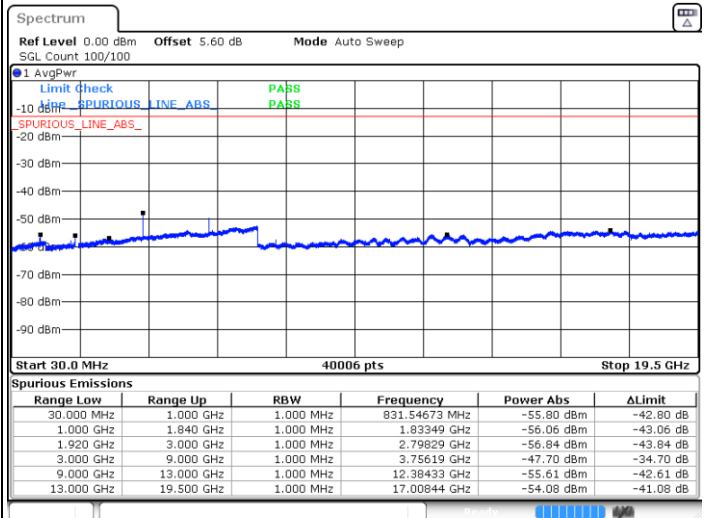
FR1 n2 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

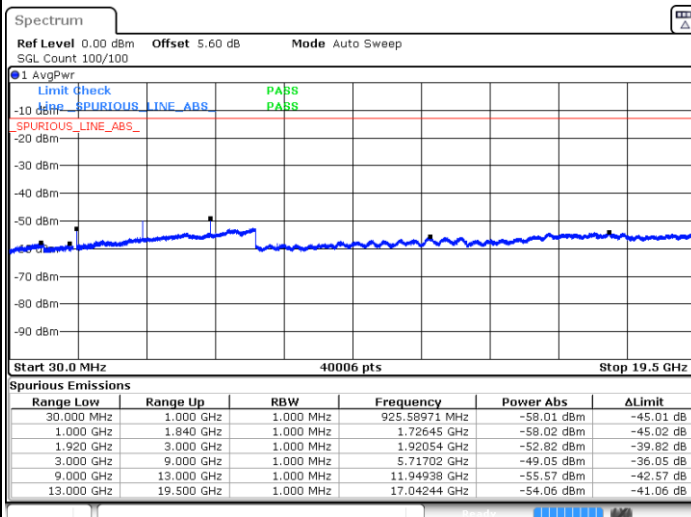


Date: 26 JUN 2022 16:02:43



Date: 26 JUN 2022 16:01:54

Highest Channel / 1RB1



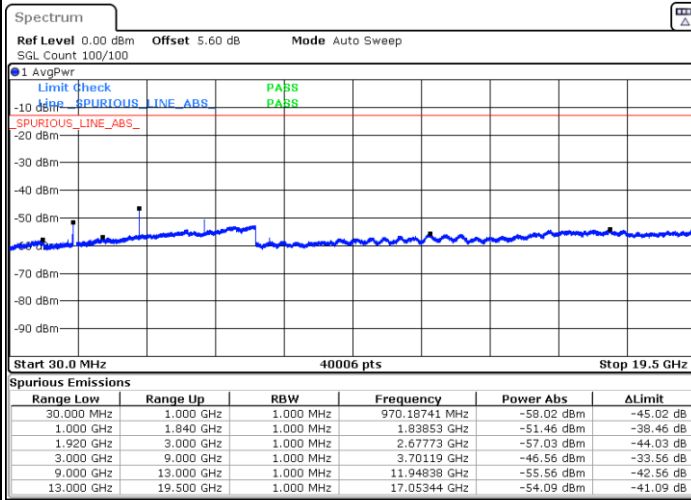
Date: 26 JUN 2022 15:59:05



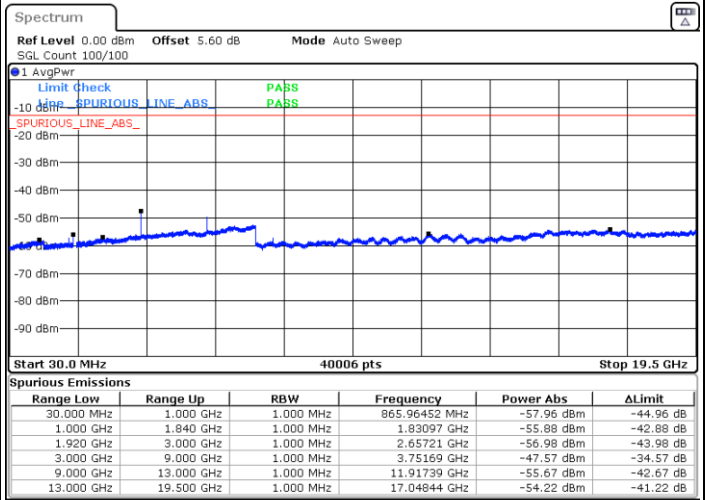
FR1 n2 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

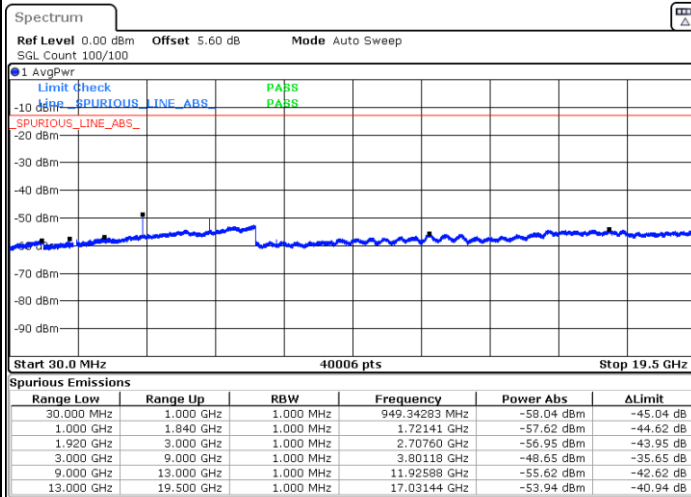


Date: 26 JUN 2022 15:39:34



Date: 26 JUN 2022 15:43:29

Highest Channel / 1RB1



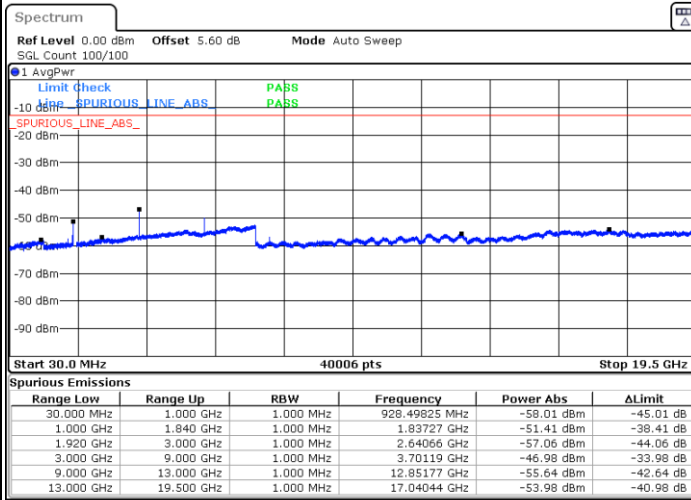
Date: 26 JUN 2022 15:44:30



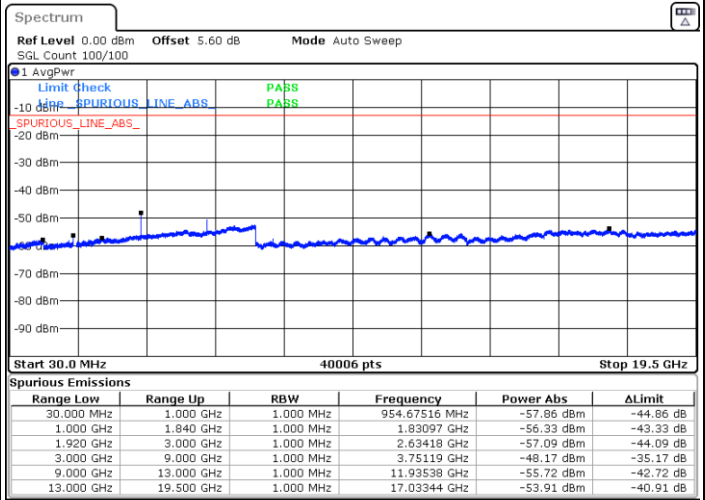
FR1 n2 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

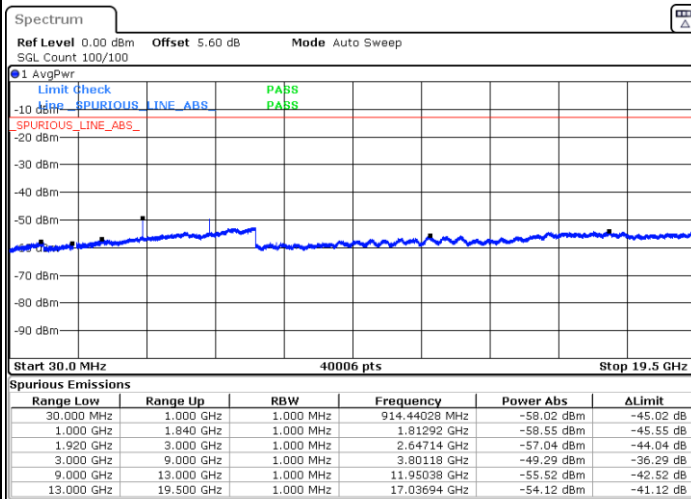


Date: 26 JUN 2022 15:40:50



Date: 26 JUN 2022 15:42:46

Highest Channel / 1RB1

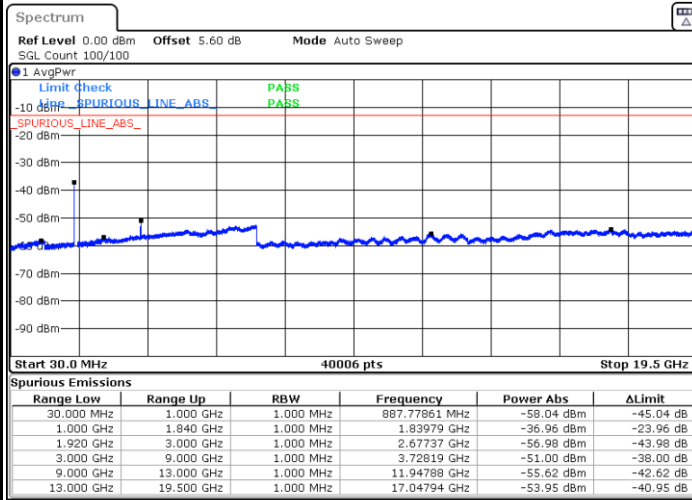


Date: 26 JUN 2022 15:45:25



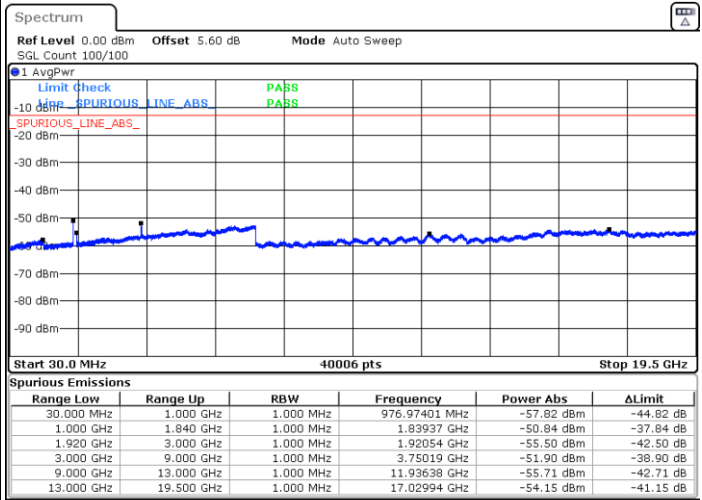
FR1 n2 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



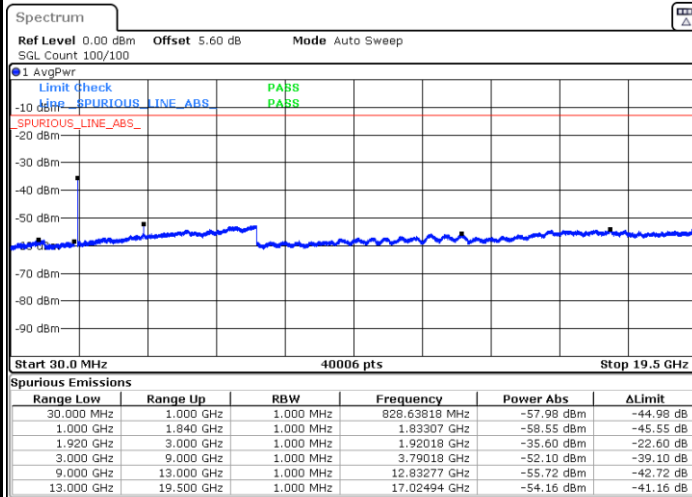
Date: 26 JUN 2022 15:25:18

Middle Channel / 1RB1



Date: 26 JUN 2022 15:28:57

Highest Channel / 1RB1



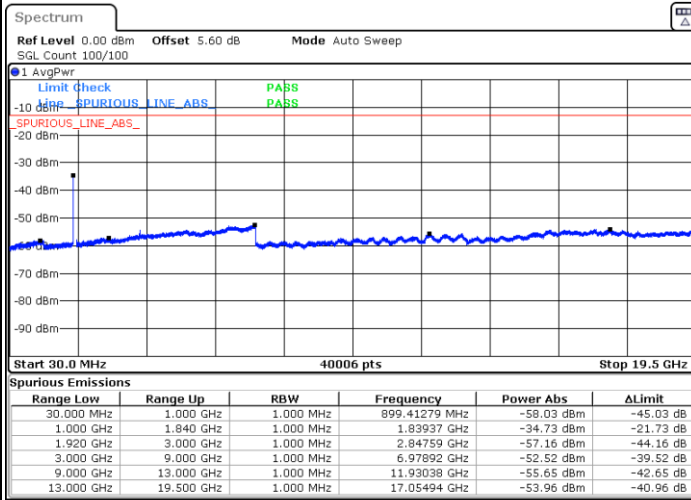
Date: 26 JUN 2022 15:30:00



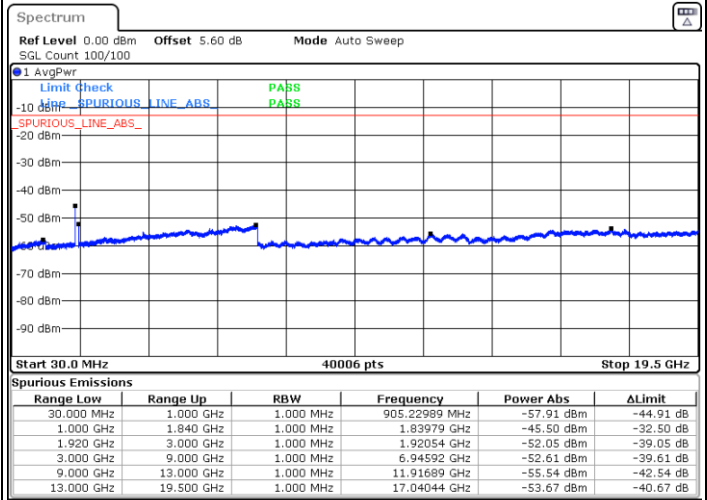
FR1 n2 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

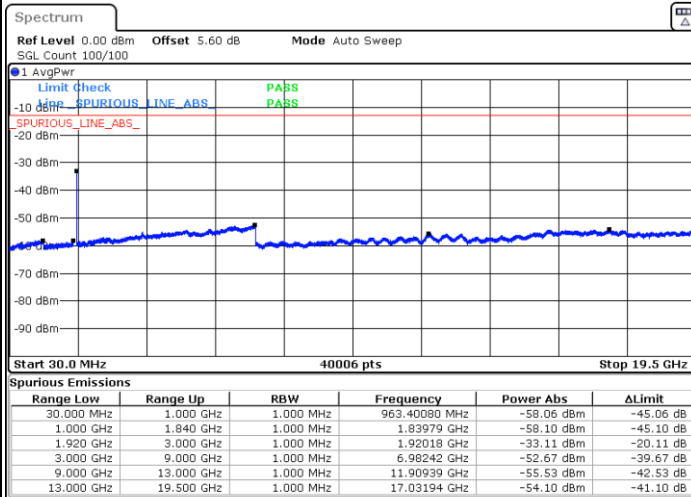


Date: 26 JUN 2022 15:28:45



Date: 26 JUN 2022 15:28:12

Highest Channel / 1RB1



Date: 26 JUN 2022 15:31:21

**Frequency Stability**

Test Conditions		FR1 n2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
20	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

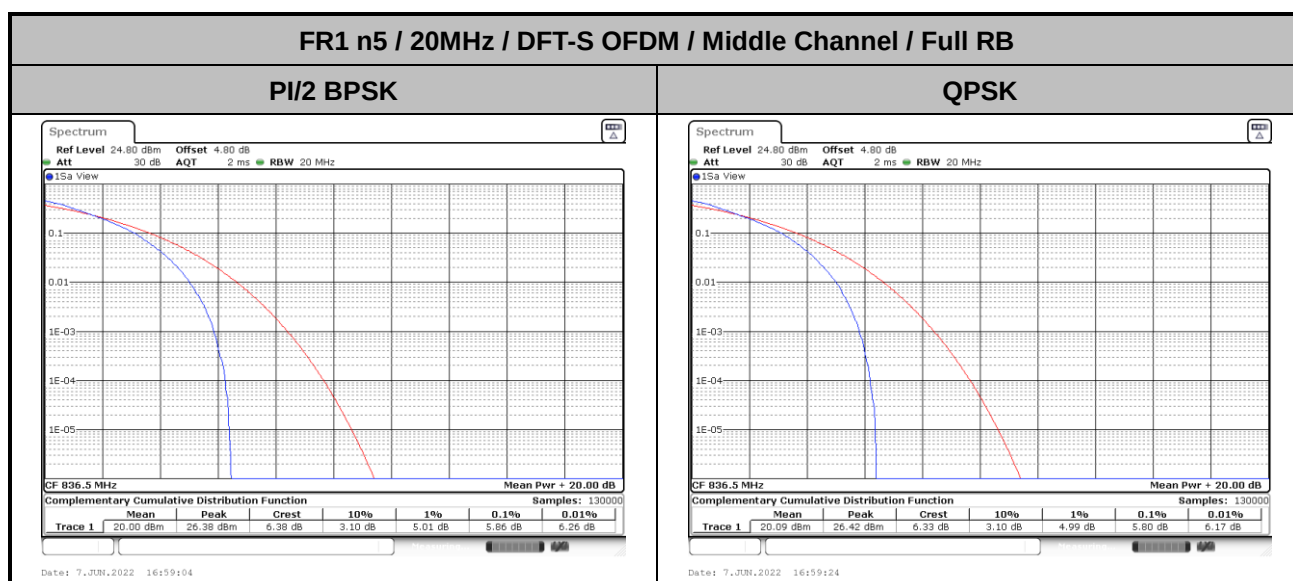
1. Normal Voltage =3.89V. ; Battery End Point (BEP) =3. 4V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n5

Peak-to-Average Ratio

Mode	FR1 n5 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK			Limit: 13dB
RB Size	Full RB	Full RB			Result
Middle CH	5.86	5.80			PASS



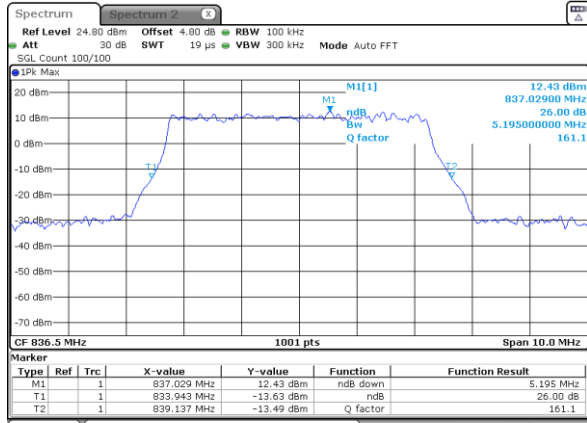
**26dB Bandwidth**

Mode	FR1 n5 : 26dBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.		QPSK		QPSK		QPSK		QPSK
Middle CH		5.2		10.03		15.14		21.26
Mode	FR1 n5 : 26dBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM
Middle CH	5.07	5.13	10.33	10.13	15.05	15.05	21.18	21.14
Mode	FR1 n5 : 26dBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	256QAM		256QAM		256QAM		256QAM	
Middle CH	5.17		10.23		14.93		21.14	



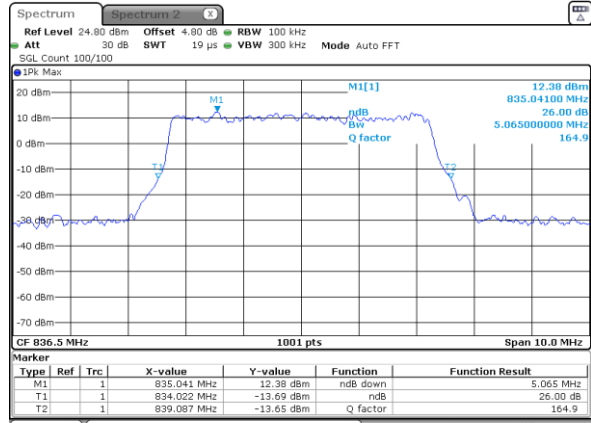
FR1 n5 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



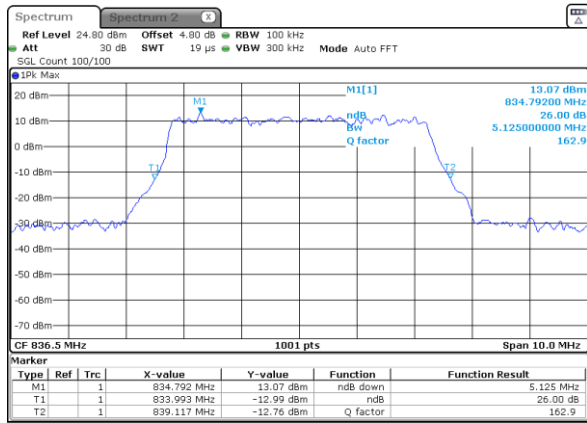
Date: 11.JUN.2022 01:11:00

16QAM



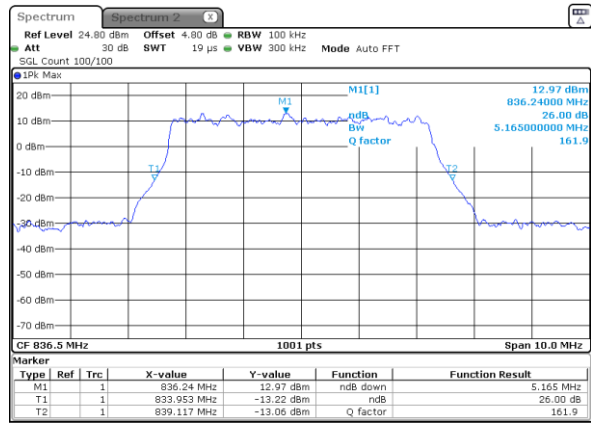
Date: 11.JUN.2022 01:10:43

64QAM



Date: 11.JUN.2022 01:10:18

256QAM

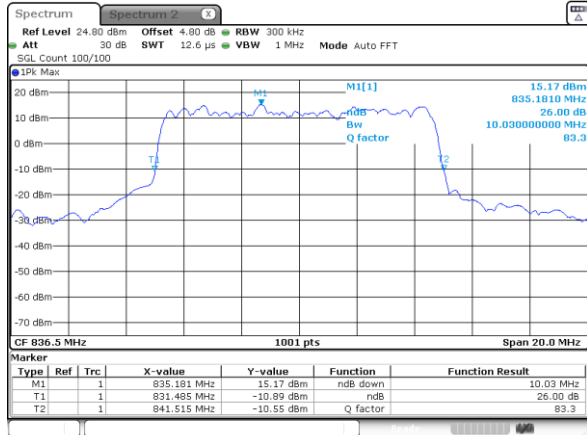


Date: 11.JUN.2022 01:09:58

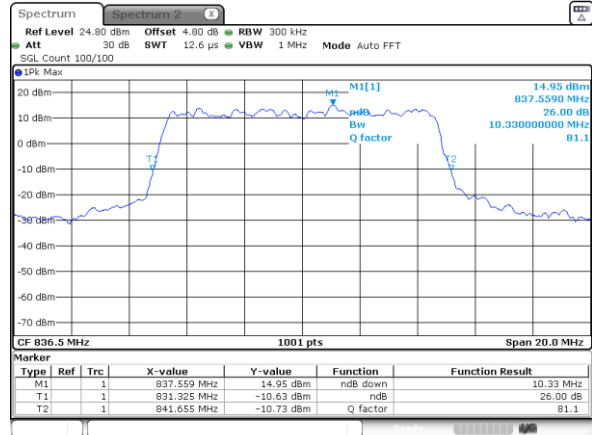


FR1 n5 / 10MHz / CP OFDM / Middle Channel / Full RB

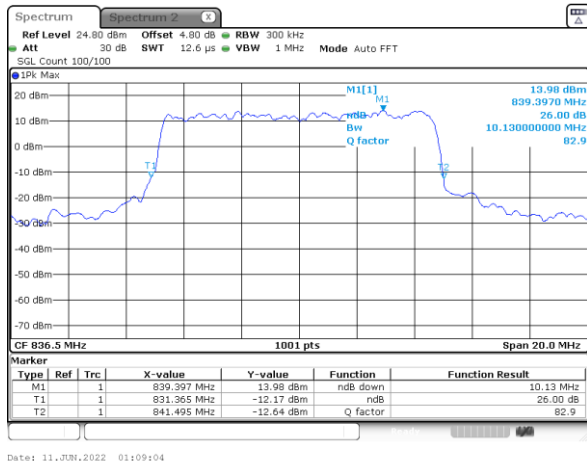
QPSK



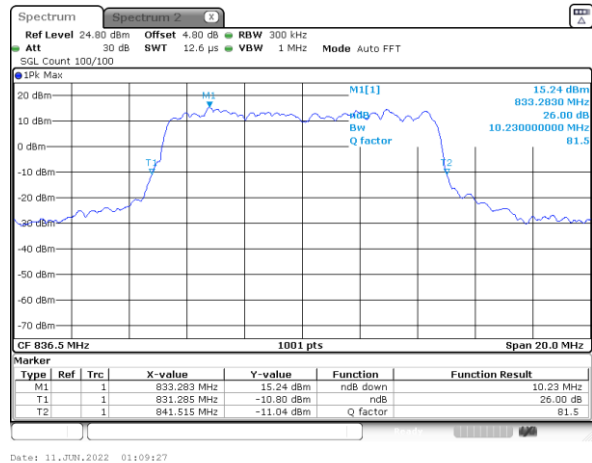
16QAM



64QAM



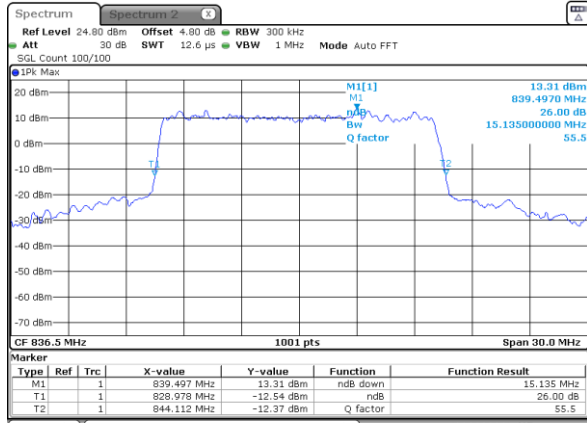
256QAM



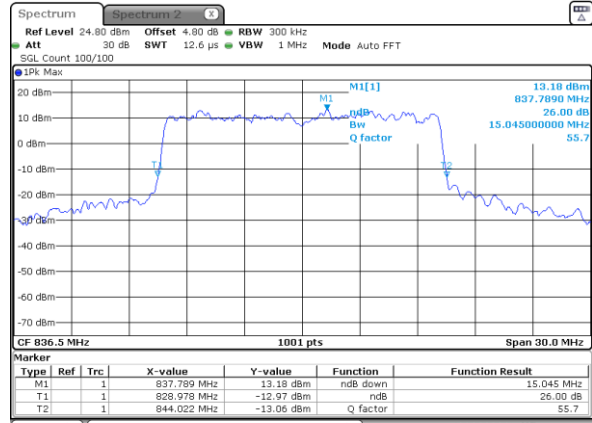


FR1 n5 / 15MHz / CP OFDM / Middle Channel / Full RB

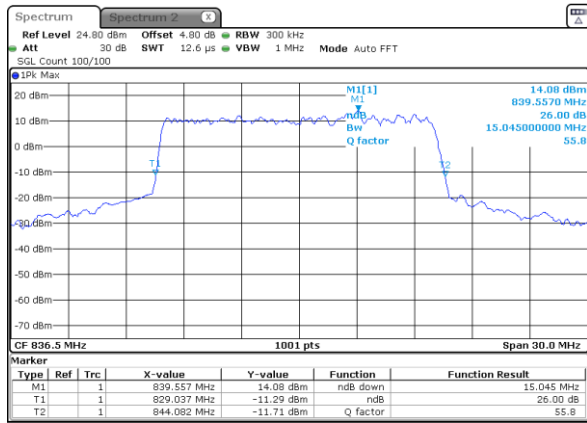
QPSK



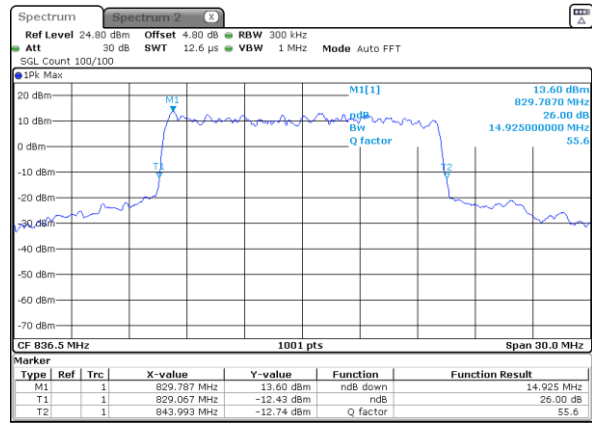
16QAM



64QAM



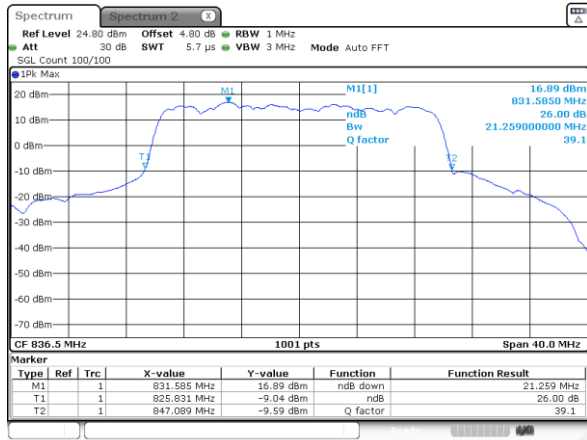
256QAM



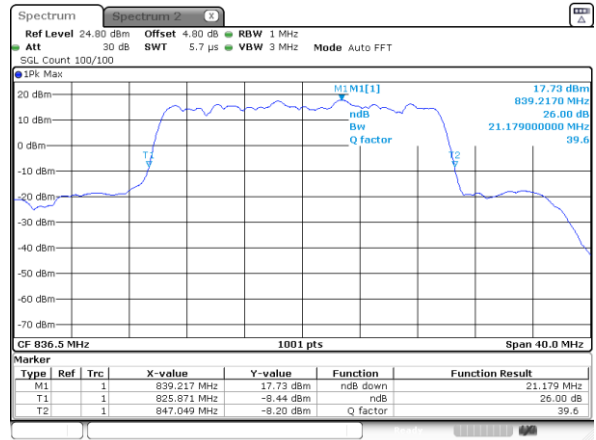


FR1 n5 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

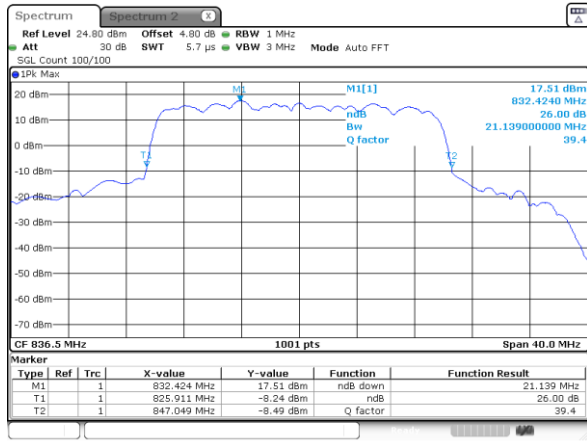
QPSK



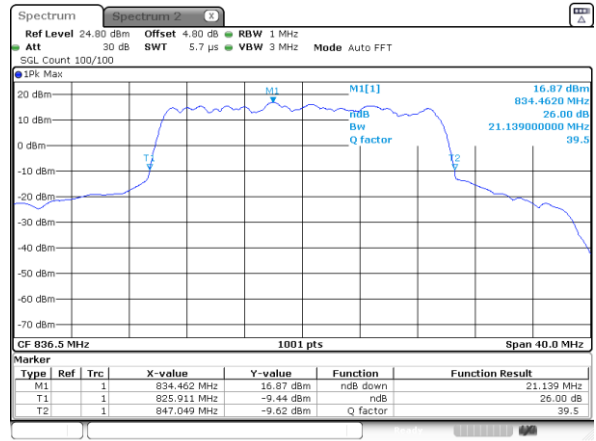
16QAM



64QAM



256QAM



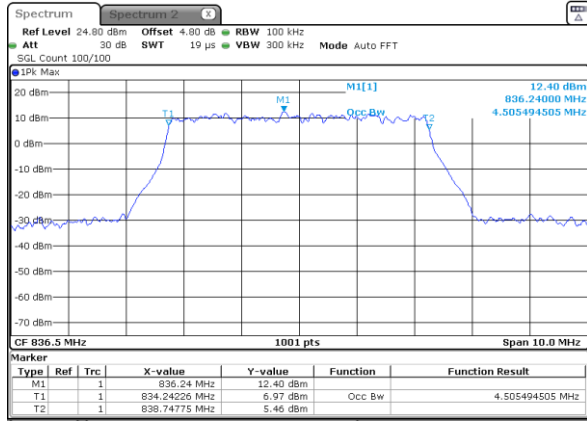
**Occupied Bandwidth**

Mode	FR1 n5 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.		QPSK		QPSK		QPSK		QPSK
Middle CH		4.51		9.37		14.12		19.42
Mode	FR1 n5 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM
Middle CH	4.49	4.49	9.35	9.37	14.15	14.21	19.54	19.34
Mode	FR1 n5 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	256QAM		256QAM		256QAM		256QAM	
Middle CH	4.49		9.37		14.12		19.50	

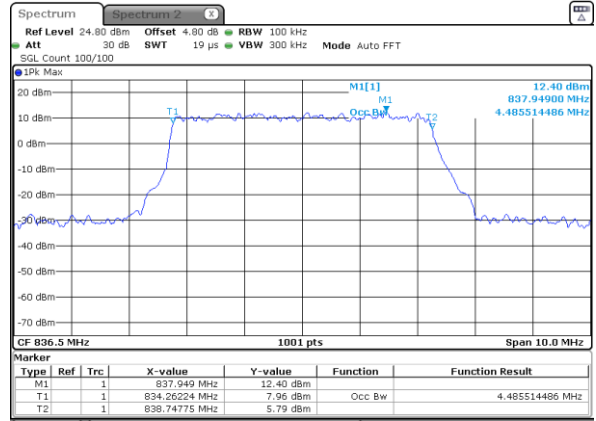


FR1 n5 / 5MHz / CP OFDM / Middle Channel / Full RB

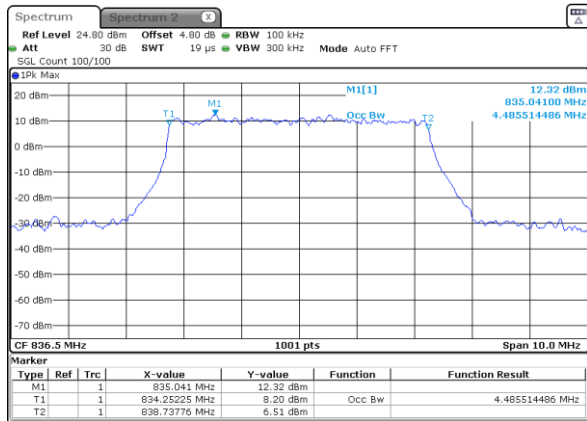
QPSK



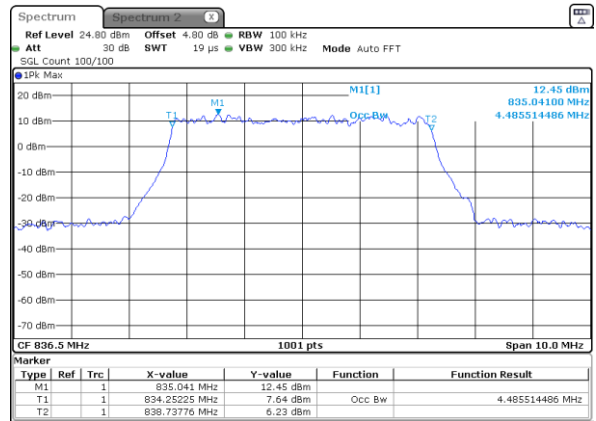
16QAM



64QAM



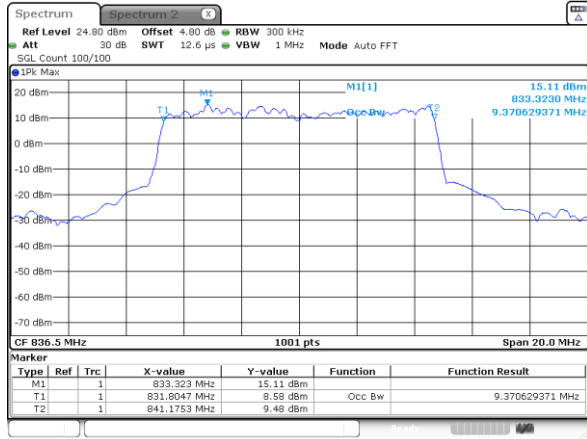
256QAM



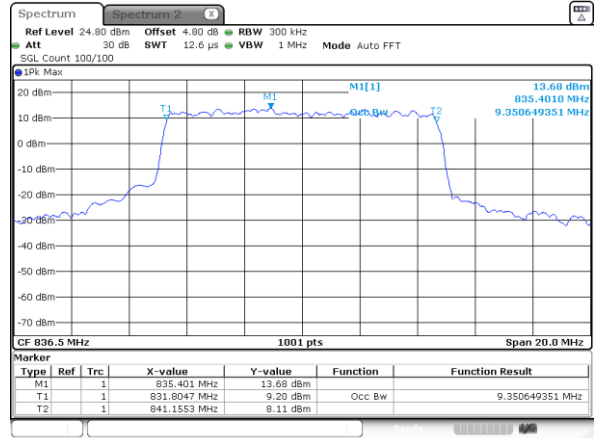


FR1 n5 / 10MHz / CP OFDM / Middle Channel / Full RB

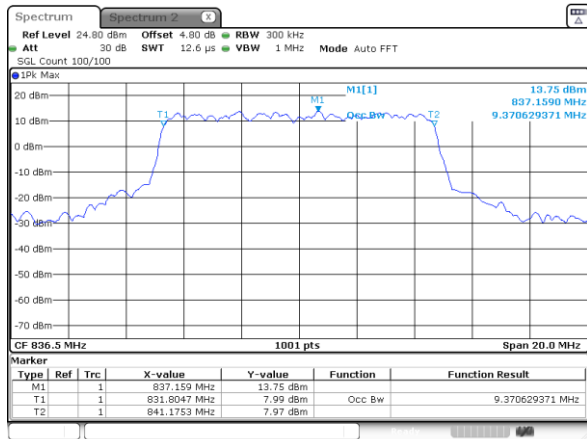
QPSK



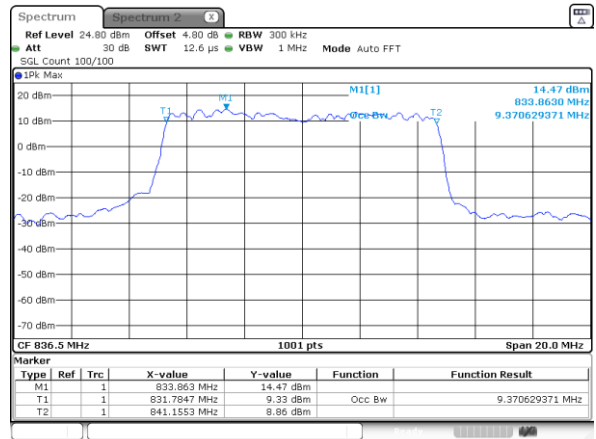
16QAM



64QAM



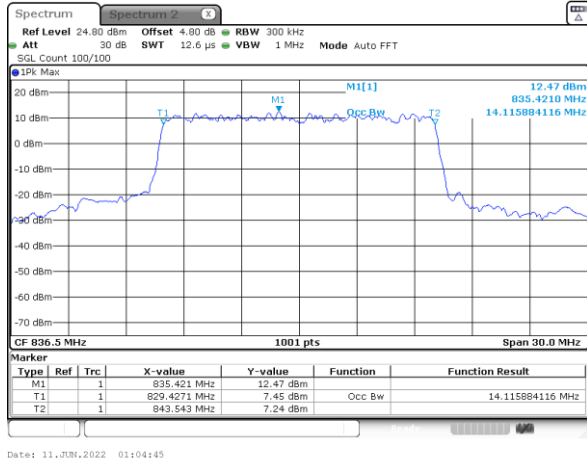
256QAM



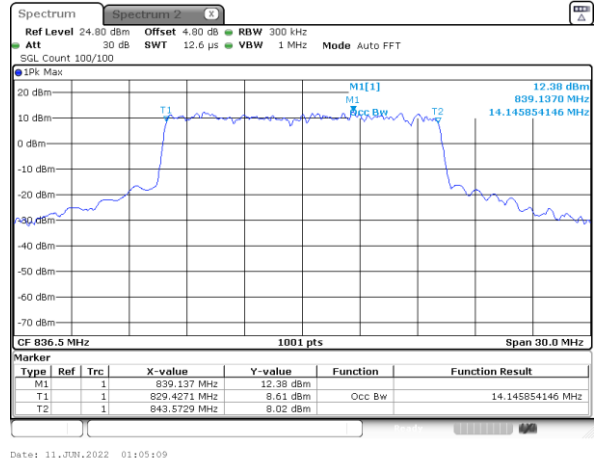


FR1 n5 / 15MHz / CP OFDM / Middle Channel / Full RB

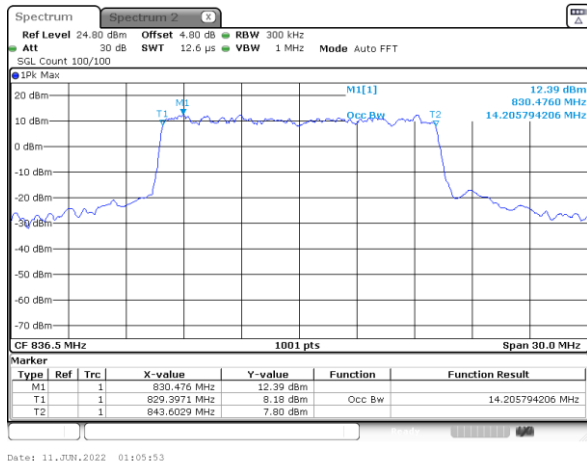
QPSK



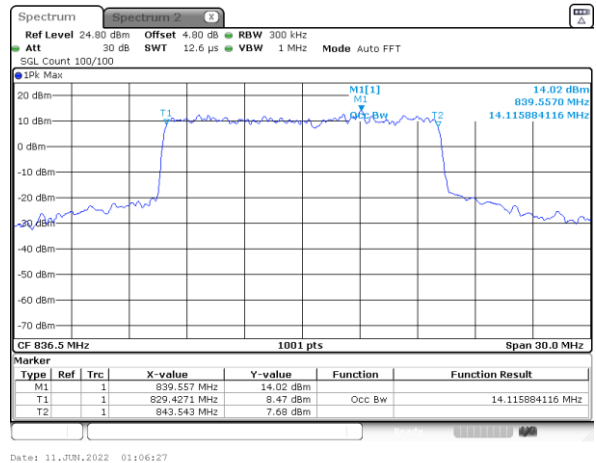
16QAM



64QAM



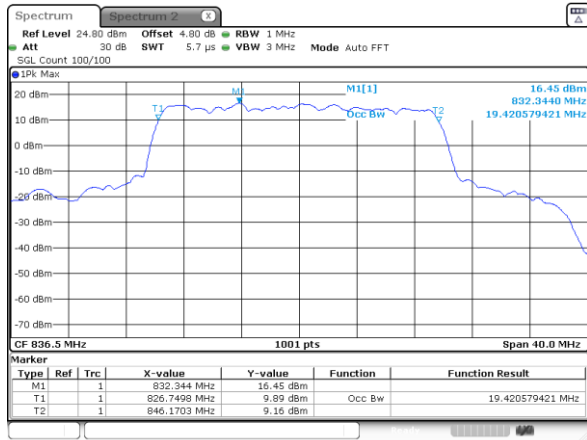
256QAM



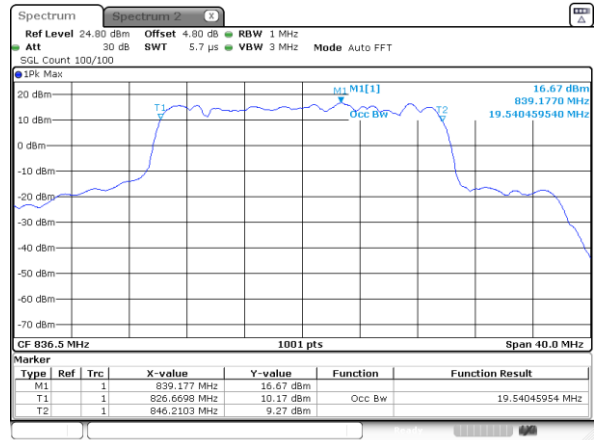


FR1 n5 / 20MHz / CP OFDM / Middle Channel / Full RB

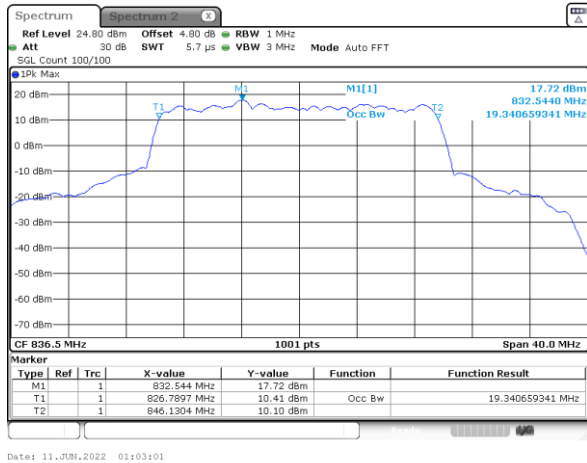
QPSK



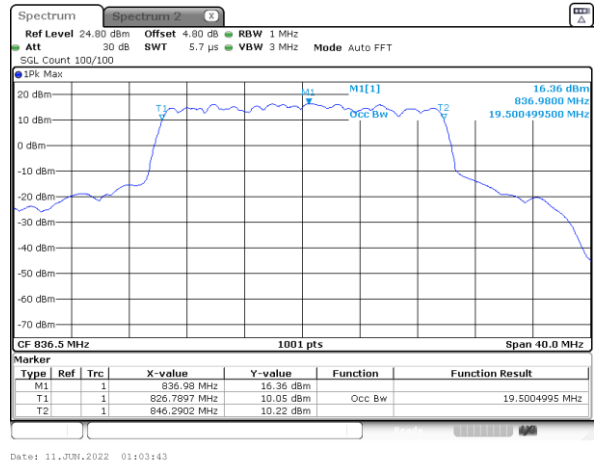
16QAM



64QAM



256QAM



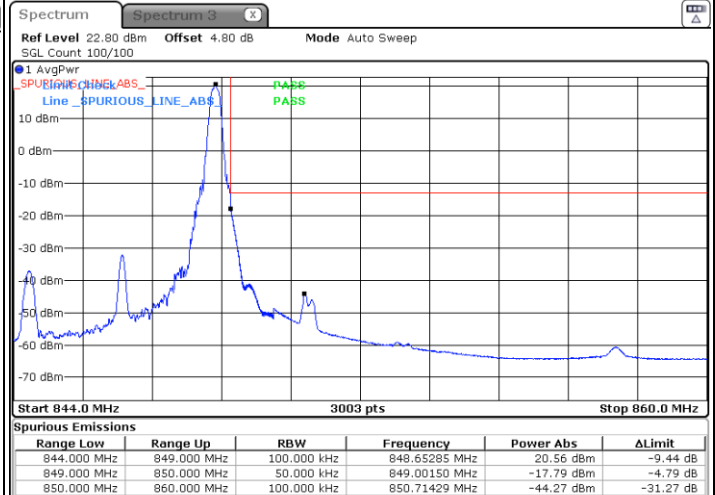
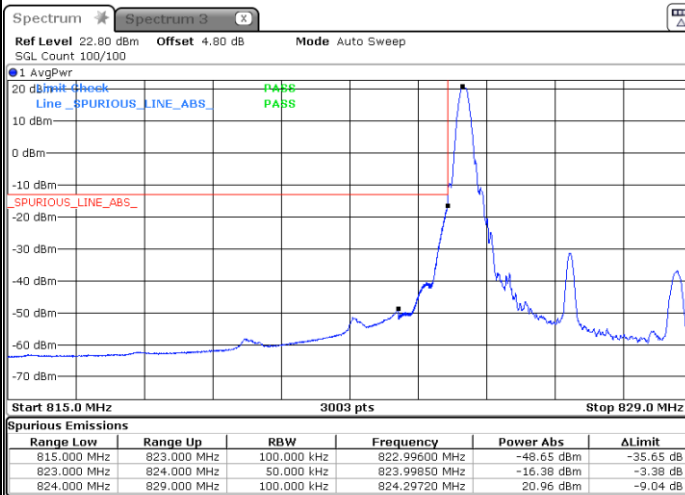


Conducted Band Edge

FR1 n5 / 5MHz / DFT-S OFDM / PI/2 BPSK

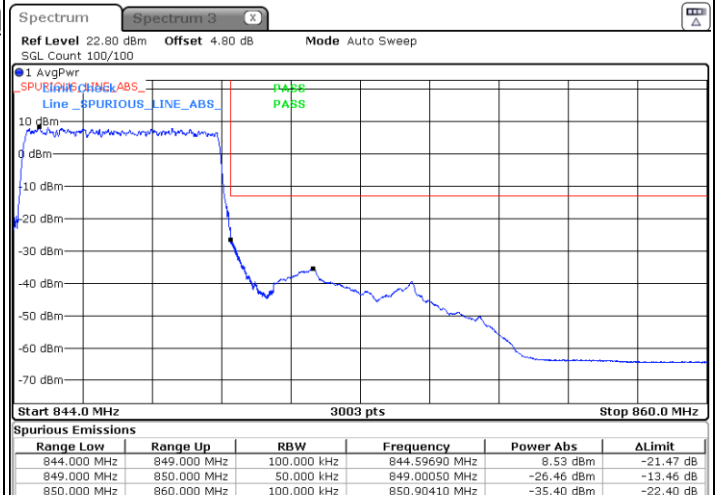
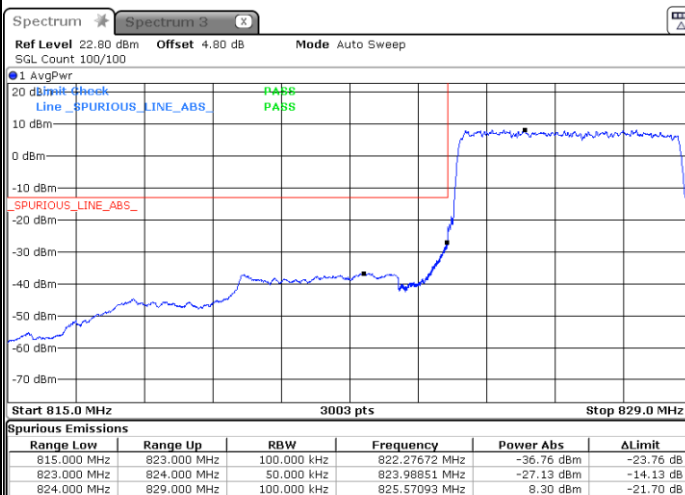
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

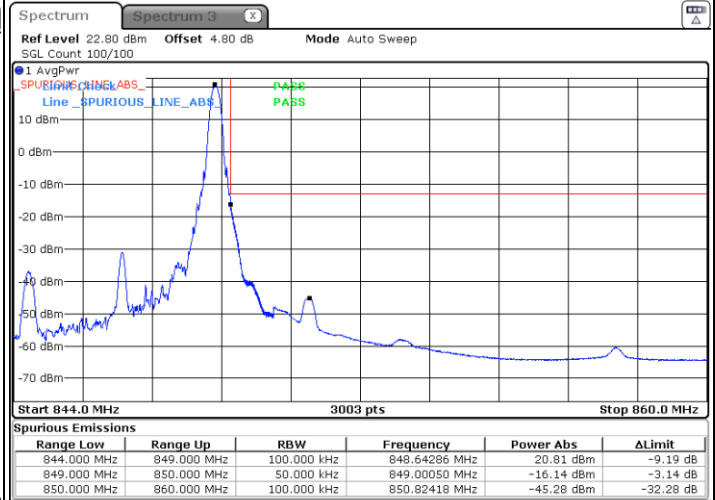
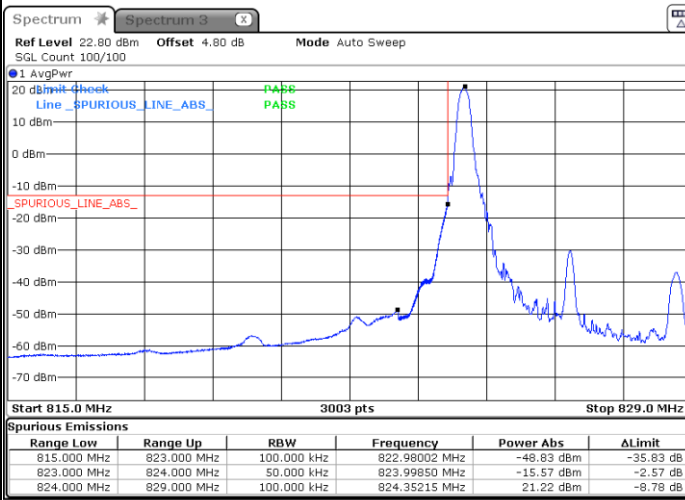




FR1 n5 / 5MHz / DFT-S OFDM / QPSK

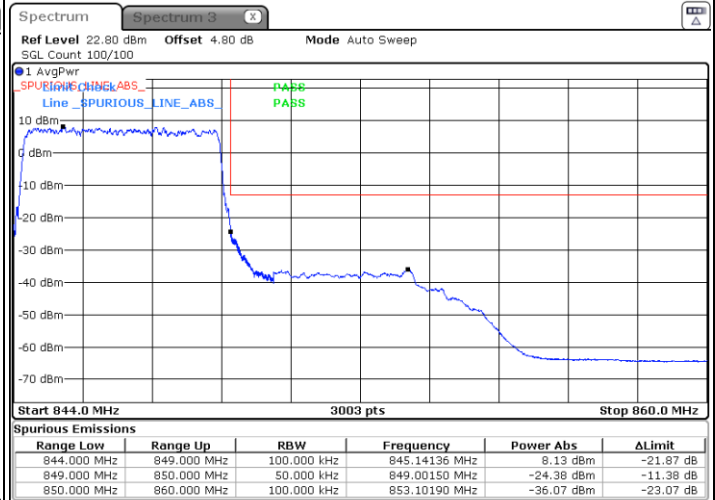
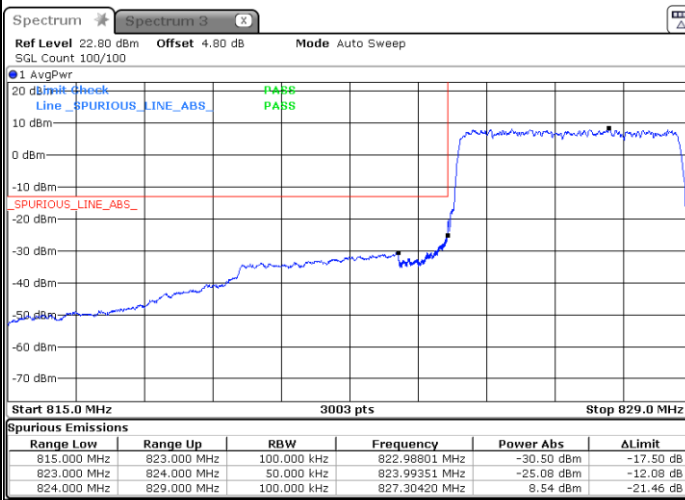
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

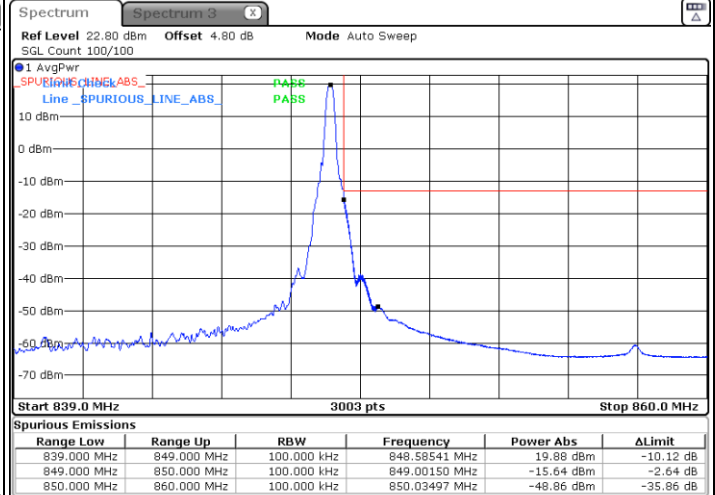
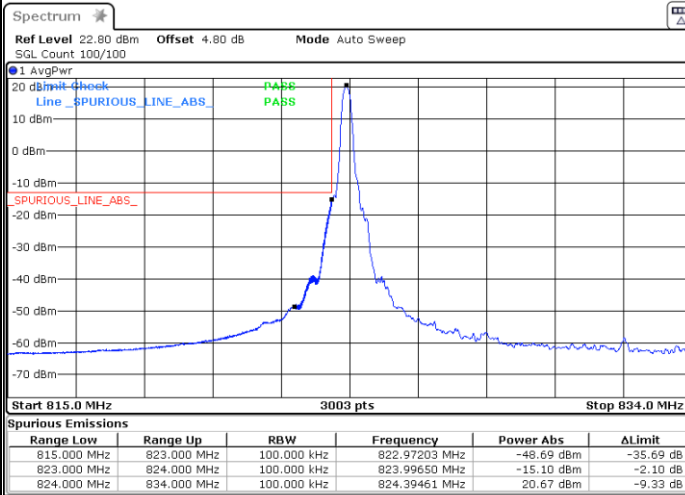




FR1 n5 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

