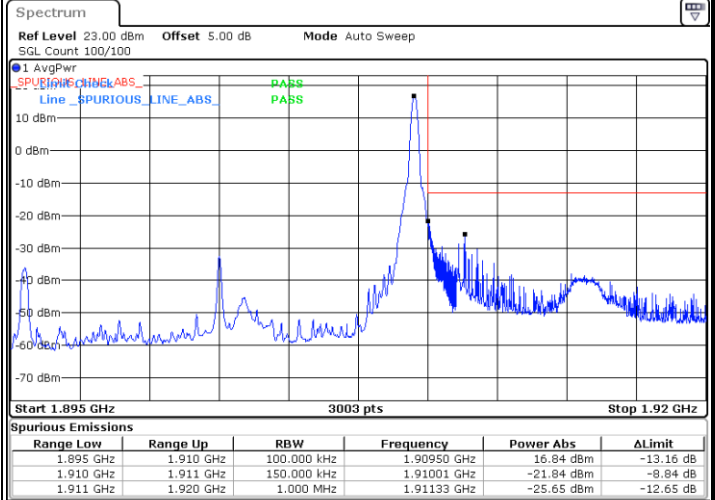
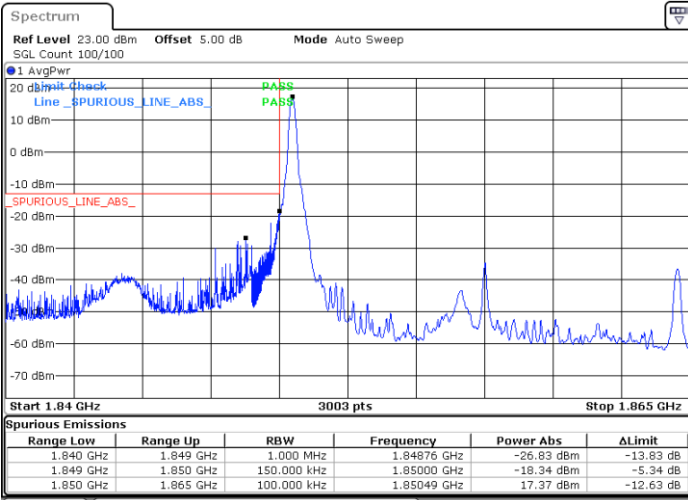




FR1 n2 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

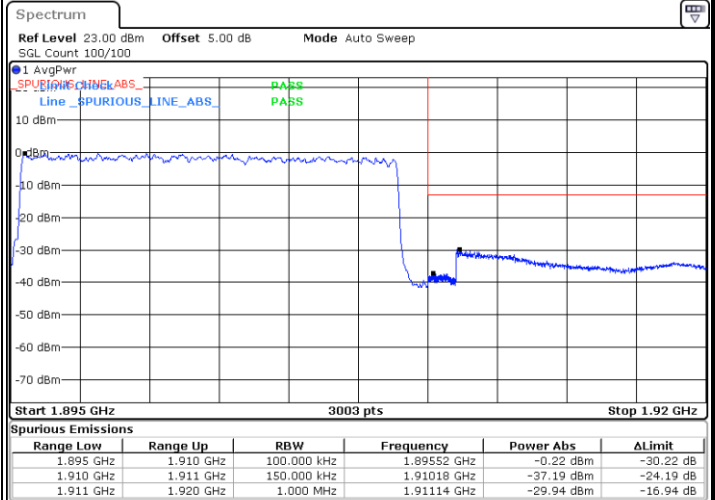
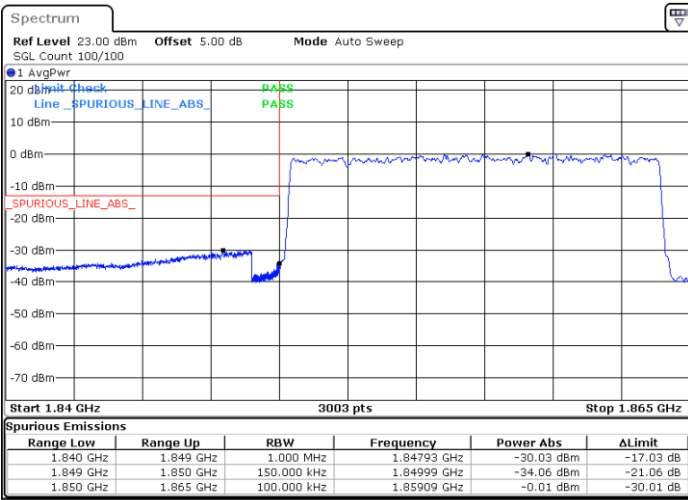


Date: 19.MAR.2021 22:35:50

Date: 19.MAR.2021 22:17:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.MAR.2021 22:33:28

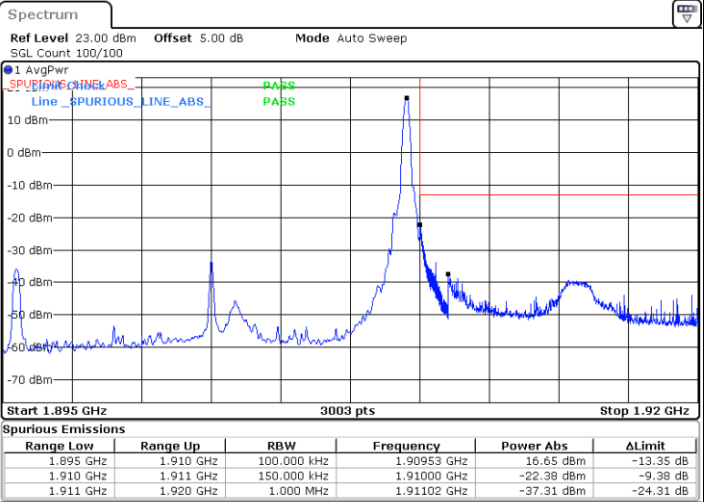
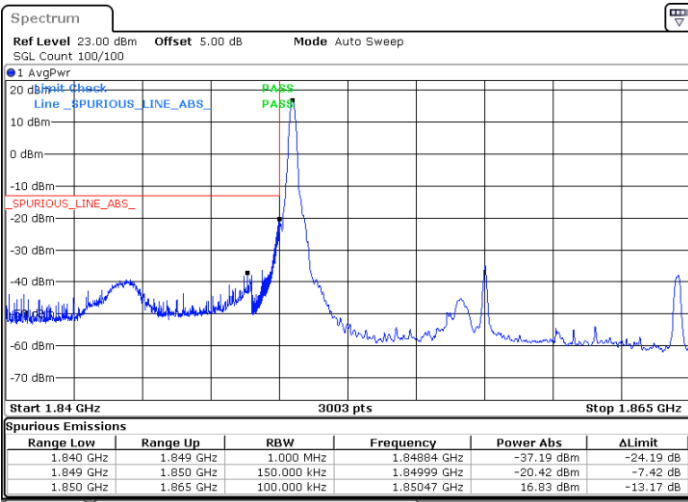
Date: 19.MAR.2021 22:20:27



FR1 n2 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

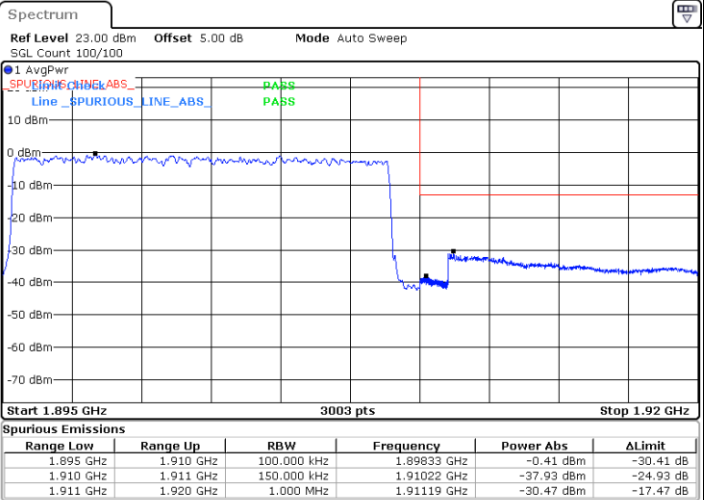
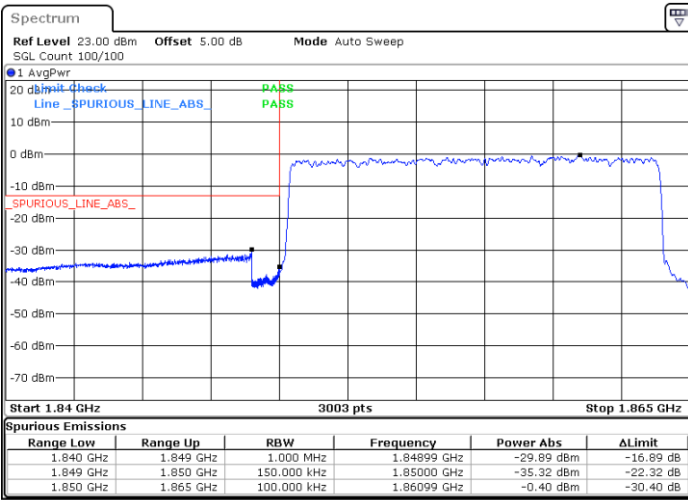


Date: 19.MAR.2021 22:35:31

Date: 19.MAR.2021 22:18:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.MAR.2021 22:33:50

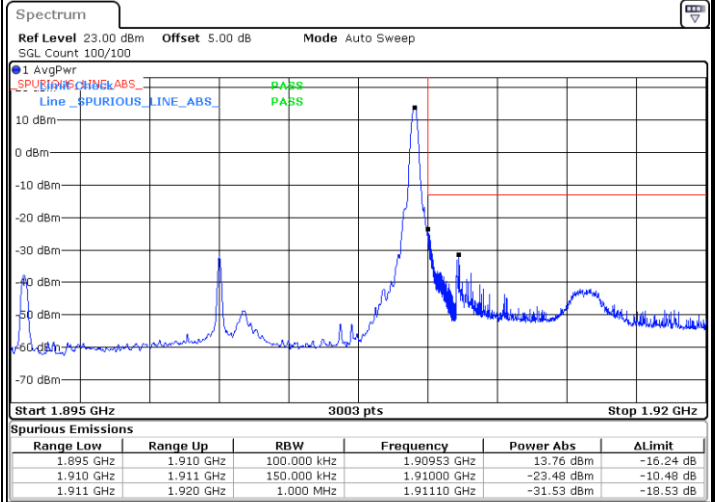
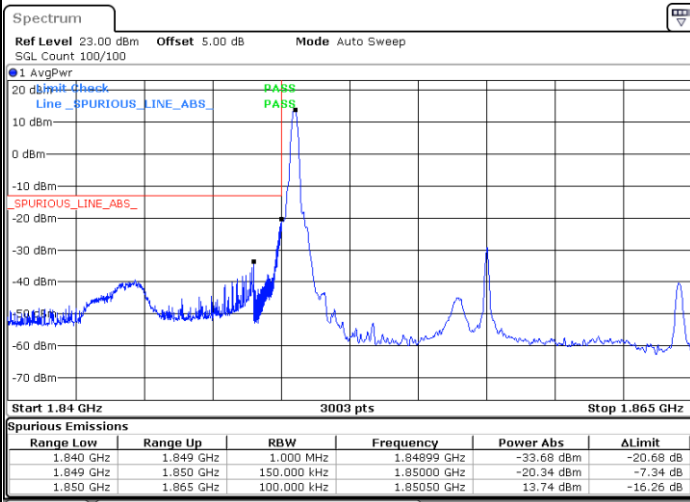
Date: 19.MAR.2021 22:20:03



FR1 n2 / 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

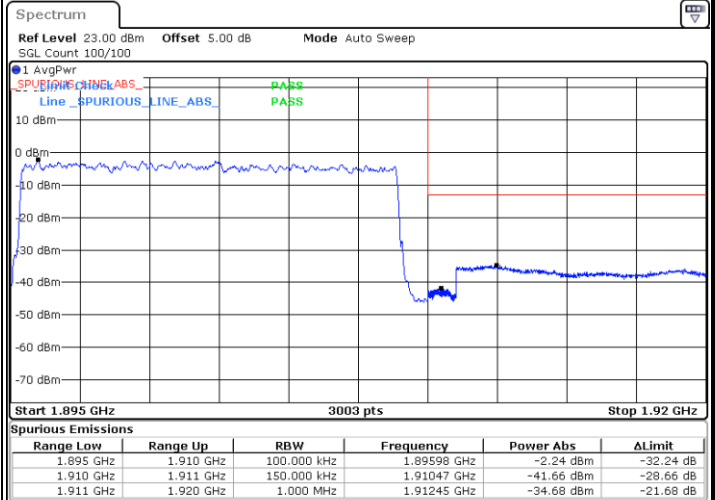
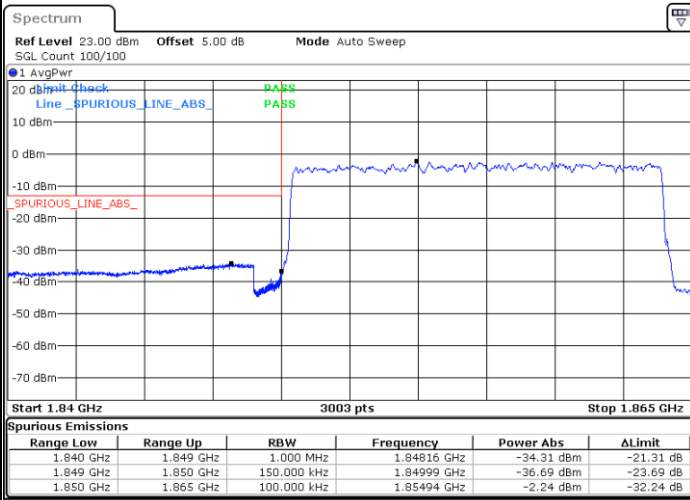


Date: 19.MAR.2021 22:34:58

Date: 19.MAR.2021 22:18:31

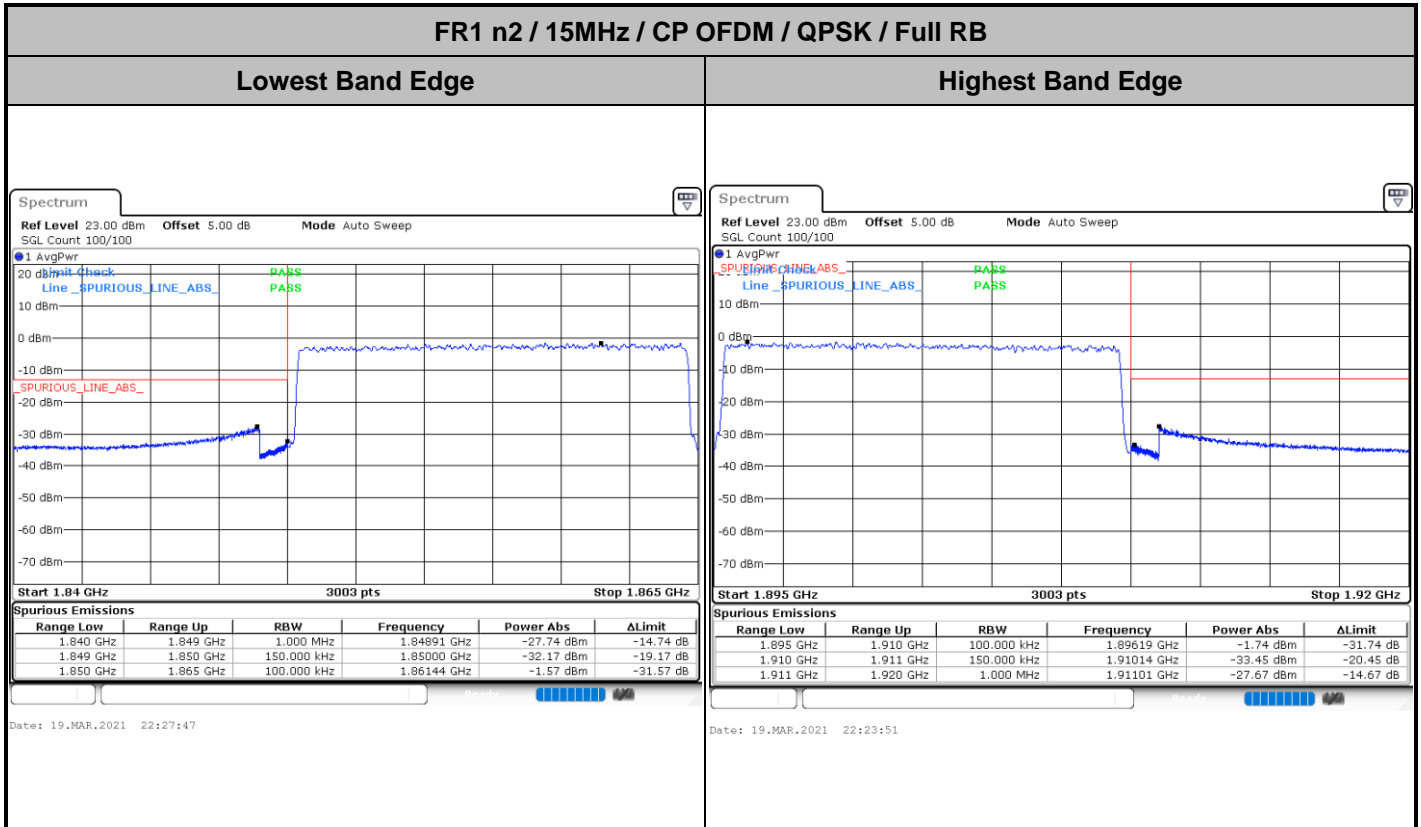
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.MAR.2021 22:34:22

Date: 19.MAR.2021 22:18:52

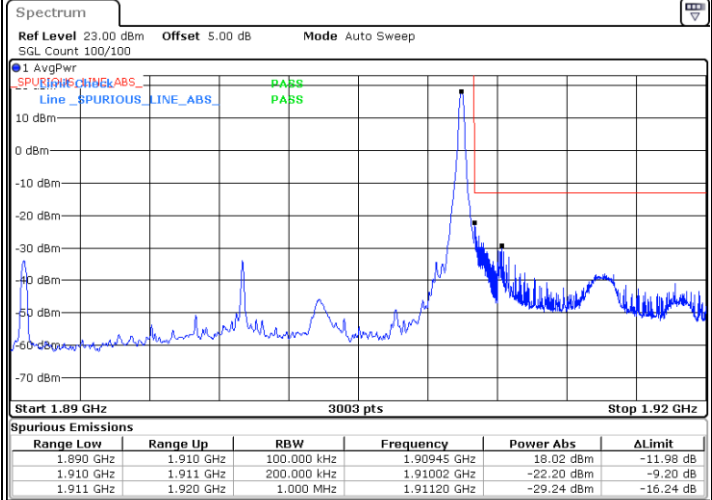
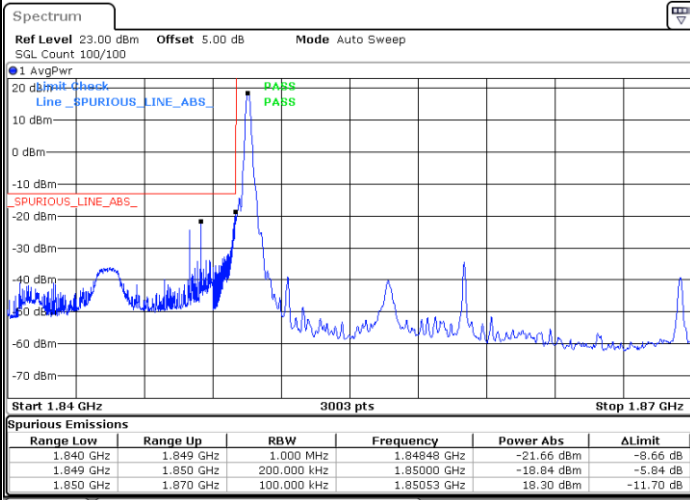




FR1 n2 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

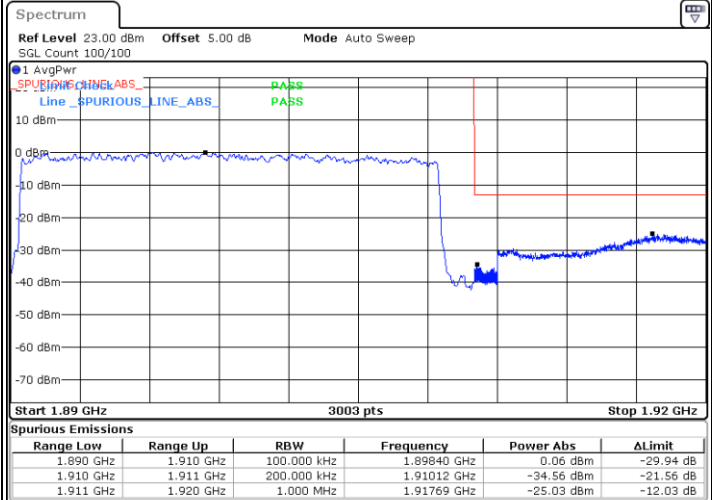
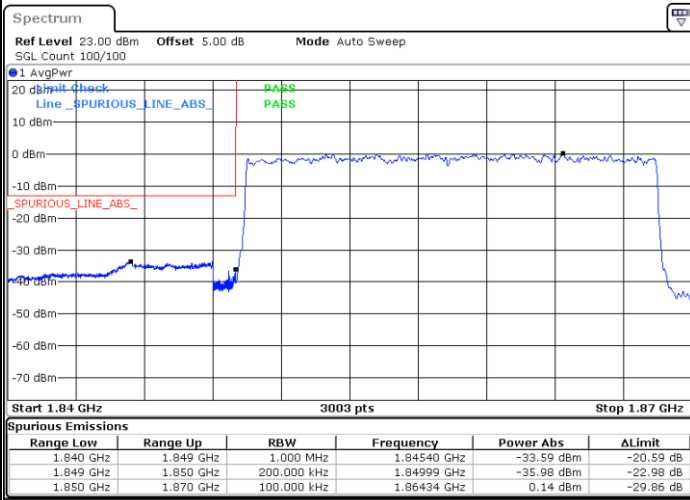


Date: 19.MAR.2021 22:39:23

Date: 19.MAR.2021 22:54:45

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.MAR.2021 22:45:52

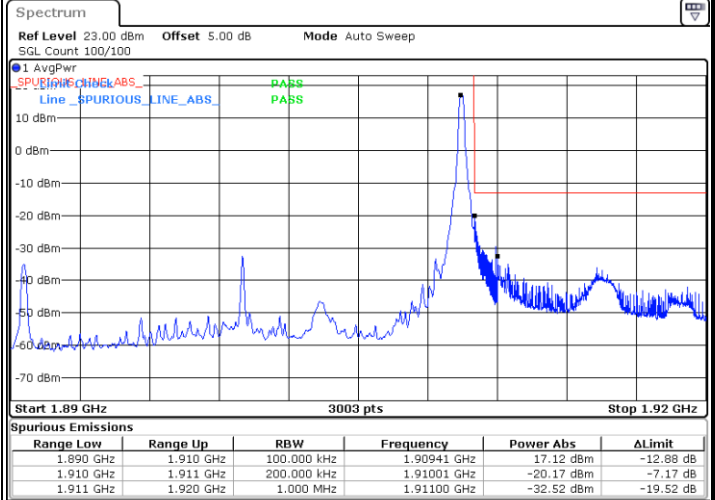
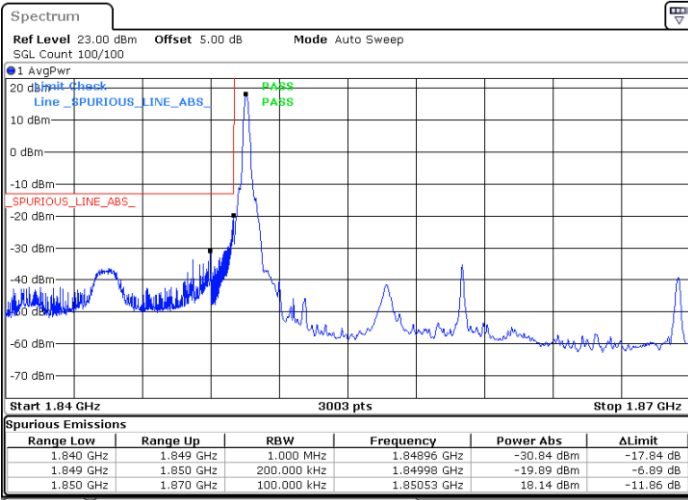
Date: 19.MAR.2021 22:50:50



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

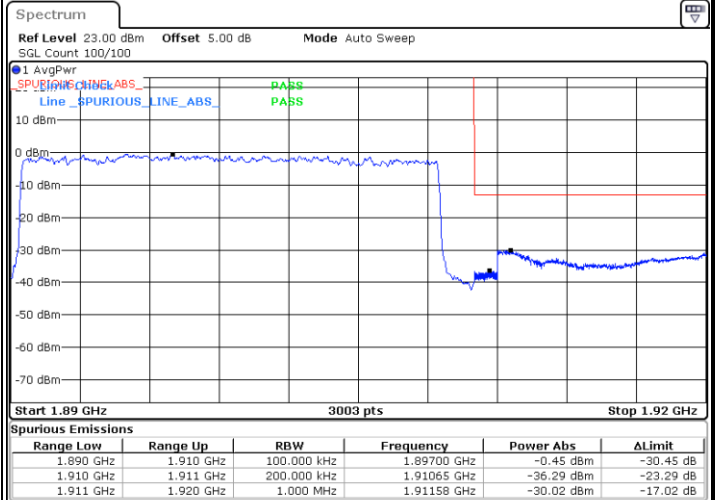
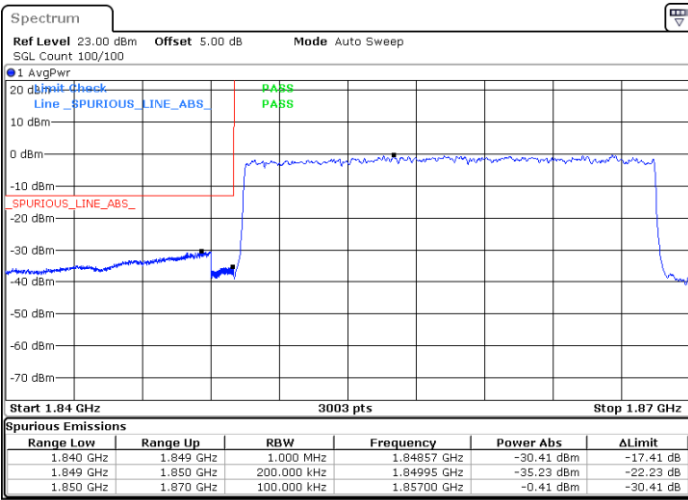


Date: 19.MAR.2021 22:42:31

Date: 19.MAR.2021 22:54:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.MAR.2021 22:45:14

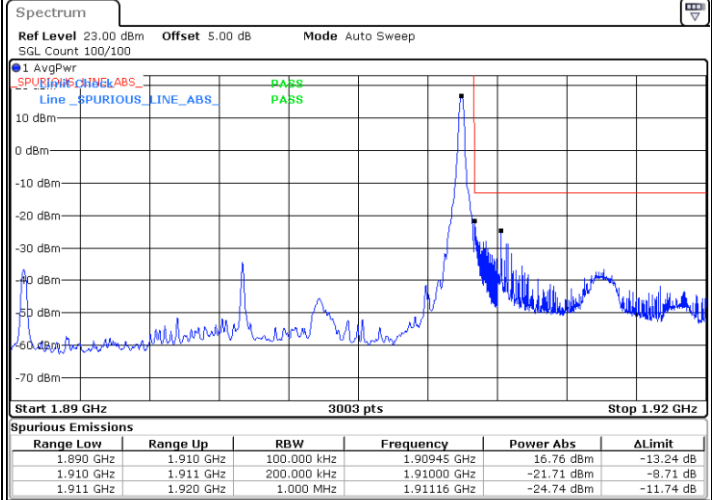
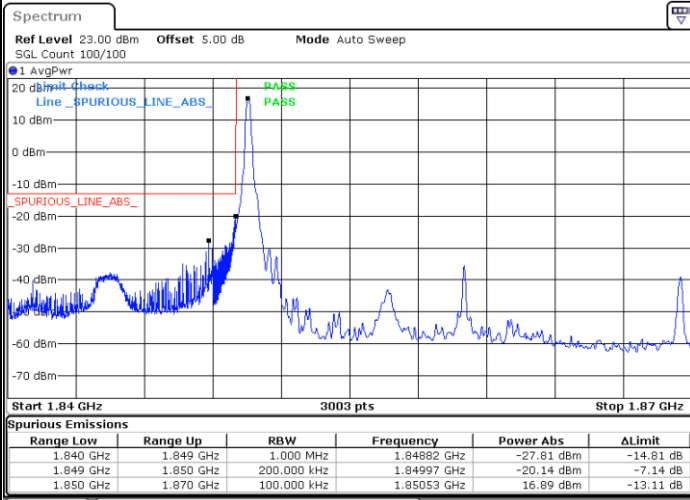
Date: 19.MAR.2021 22:51:11



FR1 n2 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

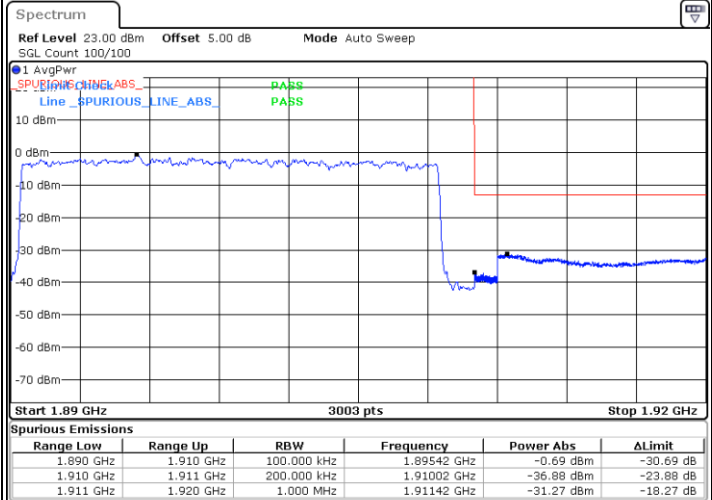
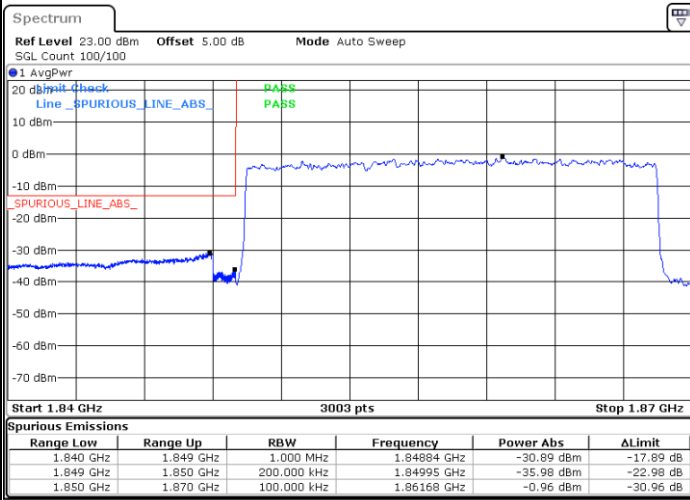


Date: 19.MAR.2021 22:42:55

Date: 19.MAR.2021 22:54:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.MAR.2021 22:44:58

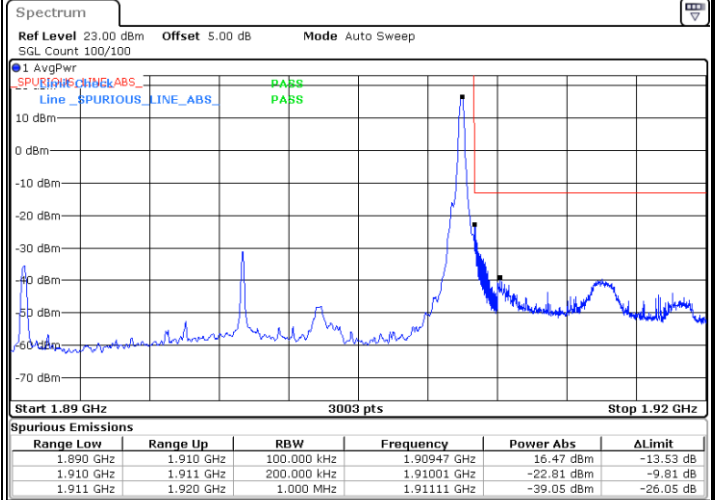
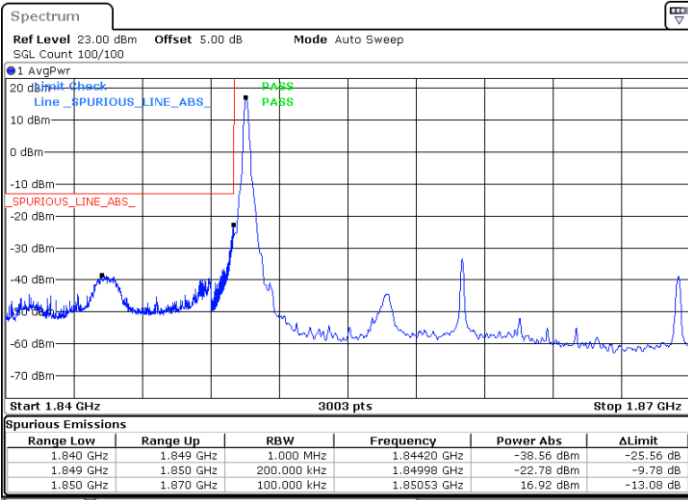
Date: 19.MAR.2021 22:51:30



FR1 n2 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

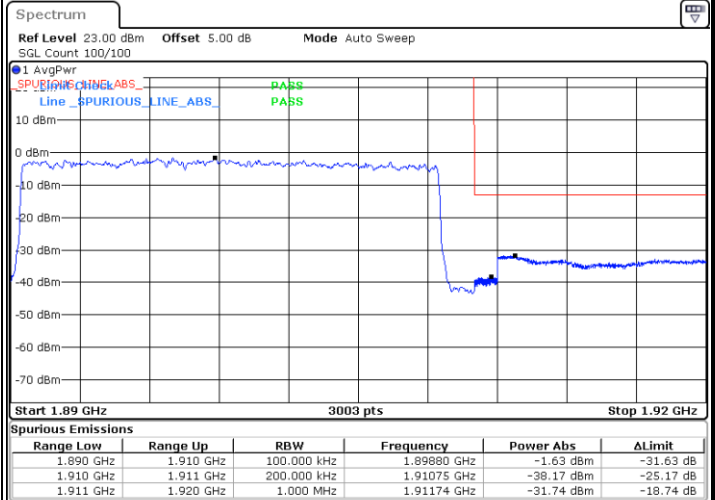
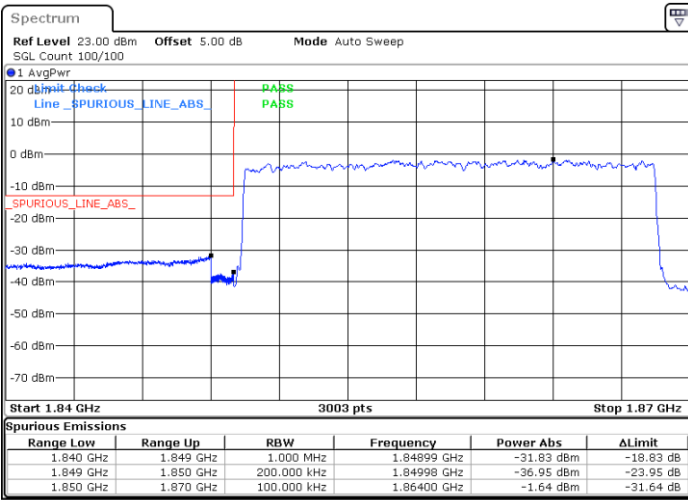


Date: 19.MAR.2021 22:43:14

Date: 19.MAR.2021 22:53:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.MAR.2021 22:44:35

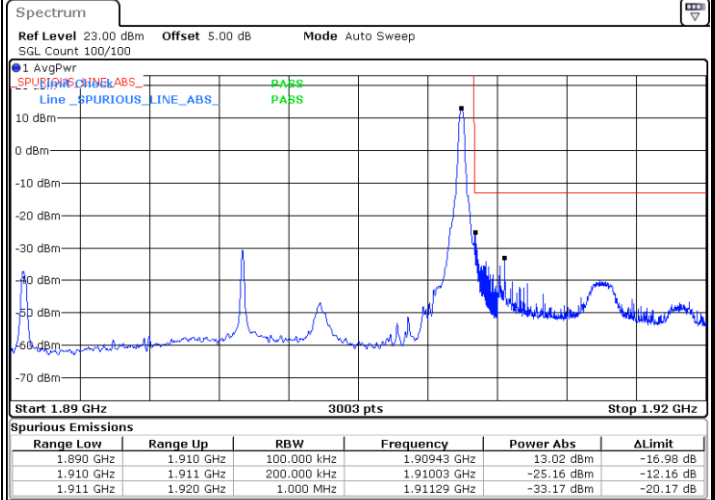
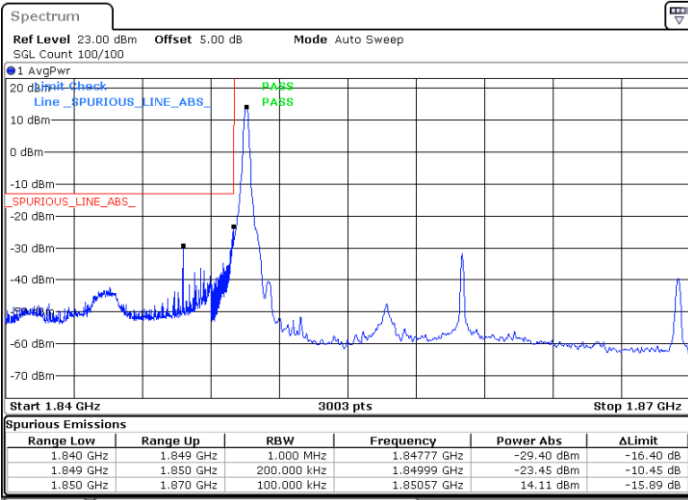
Date: 19.MAR.2021 22:51:50



FR1 n2 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

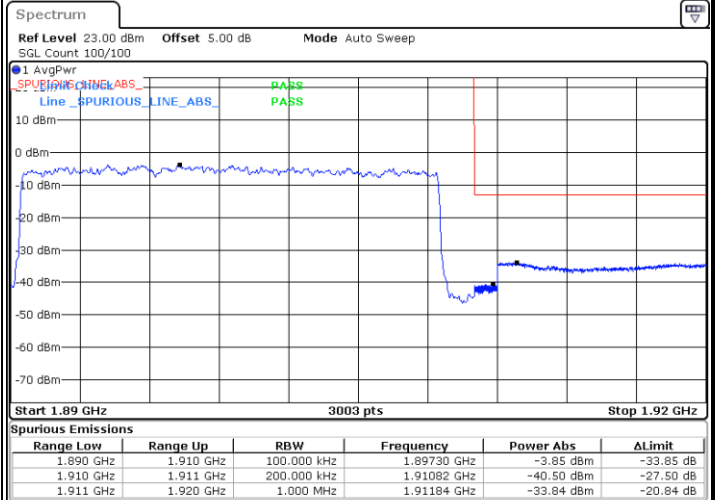
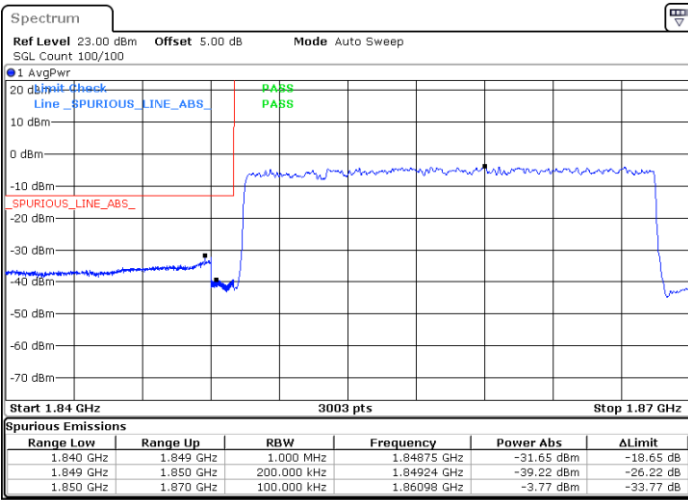


Date: 19.MAR.2021 22:43:36

Date: 19.MAR.2021 22:53:21

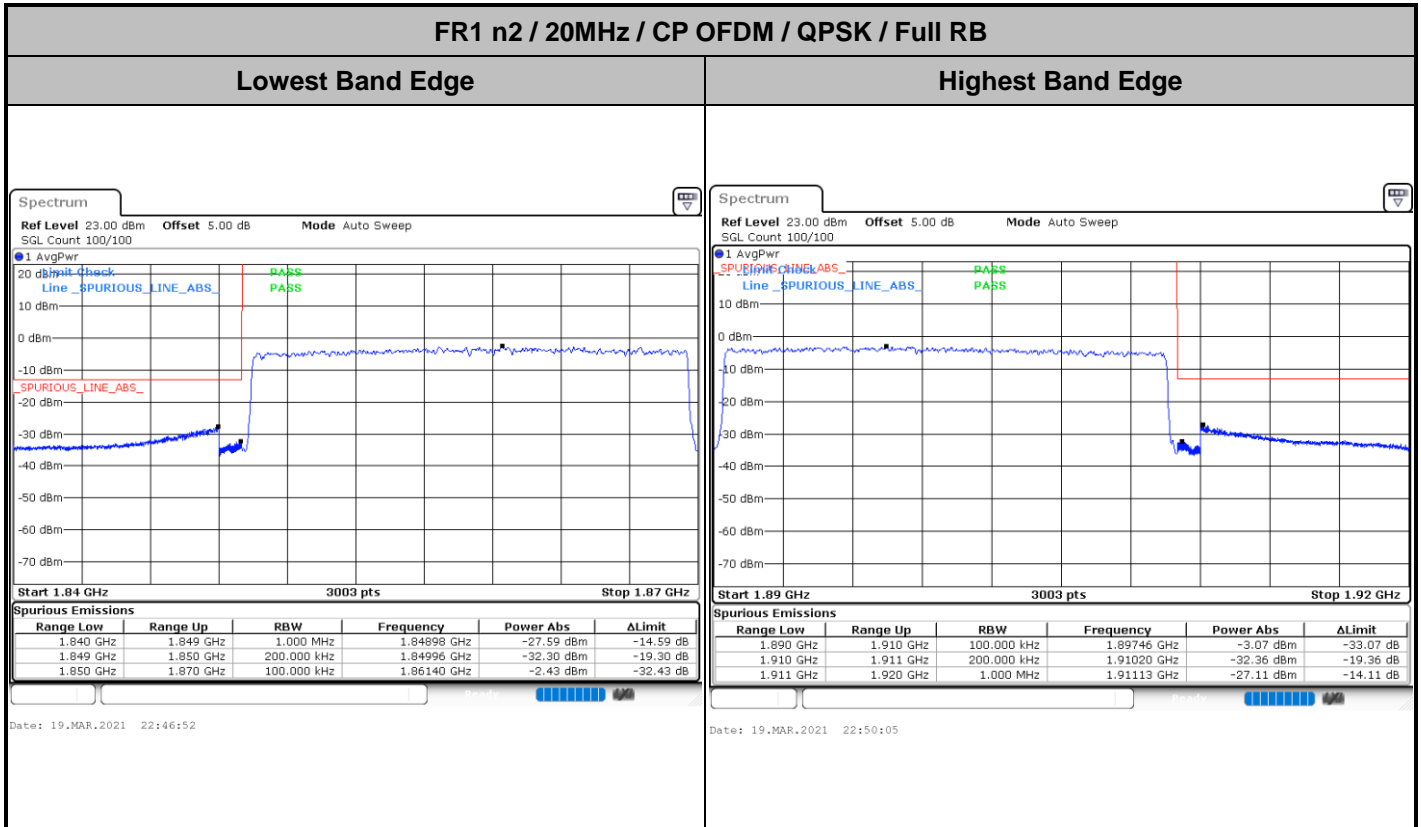
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.MAR.2021 22:44:03

Date: 19.MAR.2021 22:52:27



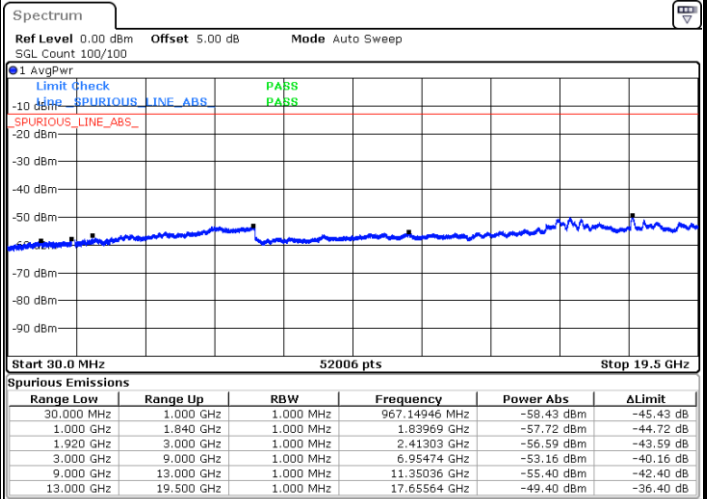
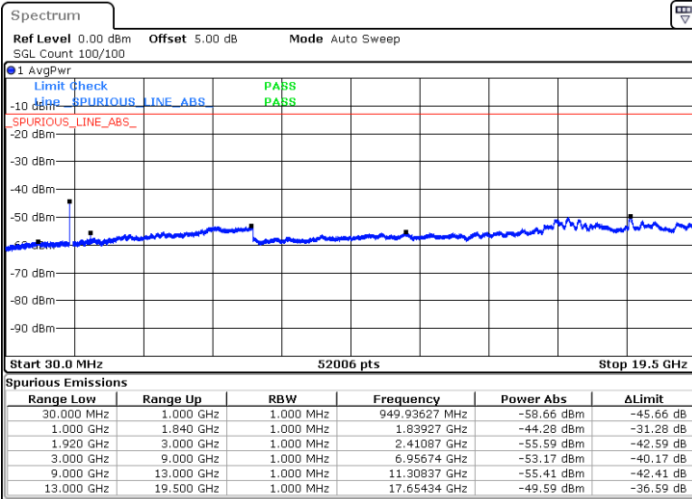


Conducted Spurious Emission

FR1 n2 / 5MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

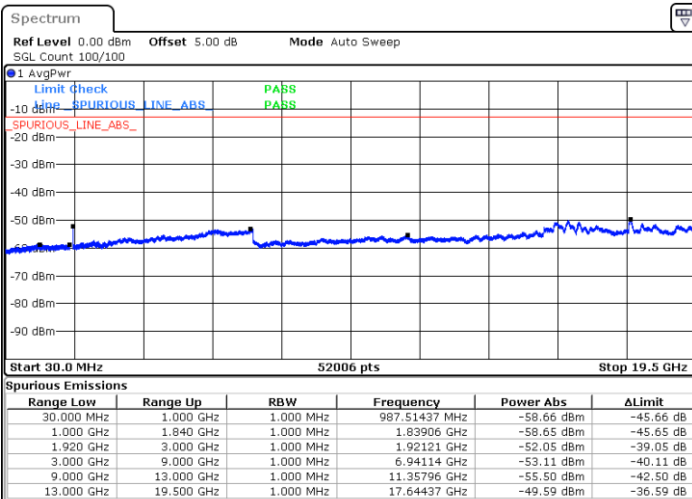
Middle Channel



Date: 19.MAR.2021 21:29:24

Date: 19.MAR.2021 21:28:00

Highest Channel



Date: 19.MAR.2021 21:30:41



Frequency Stability

Test Conditions		FR1 n2 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0037	
30	Normal Voltage	0.0181	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0212	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0197	
-20	Normal Voltage	0.0198	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.30 V. ; Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



FR1 n7

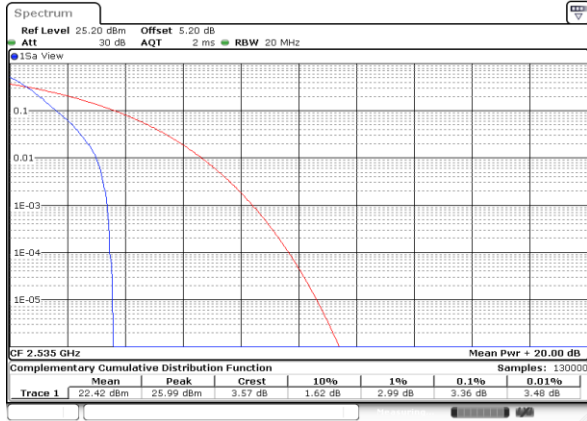
Peak-to-Average Ratio

Mode	FR1 n7 / 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	3.36	4.29	5.51	5.88	PASS
Mode	FR1 n7 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.58				PASS

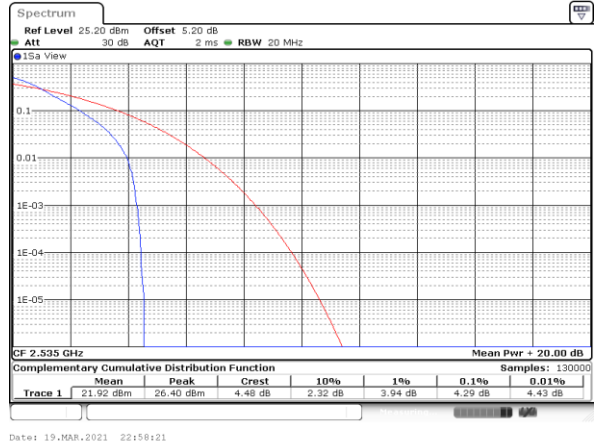


FR1 n7 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

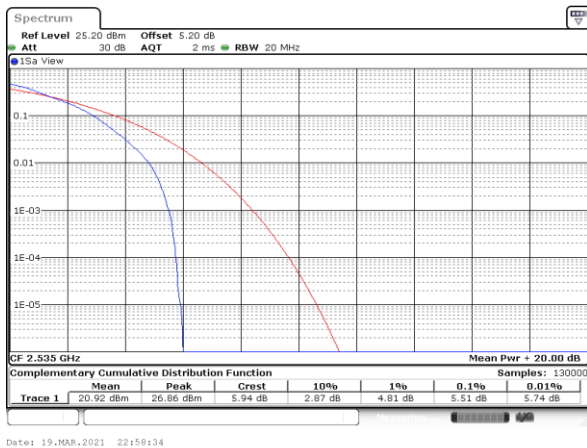
PI/2 BPSK



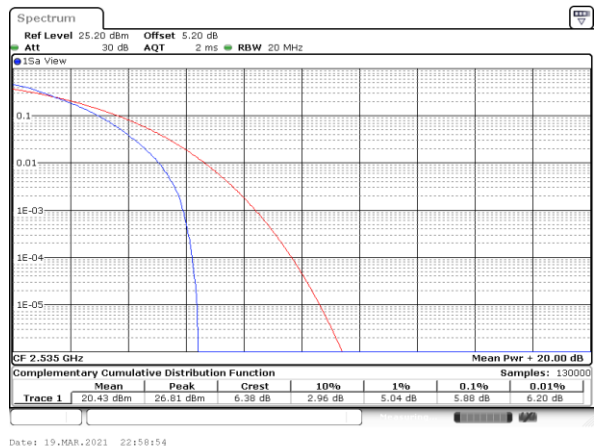
QPSK



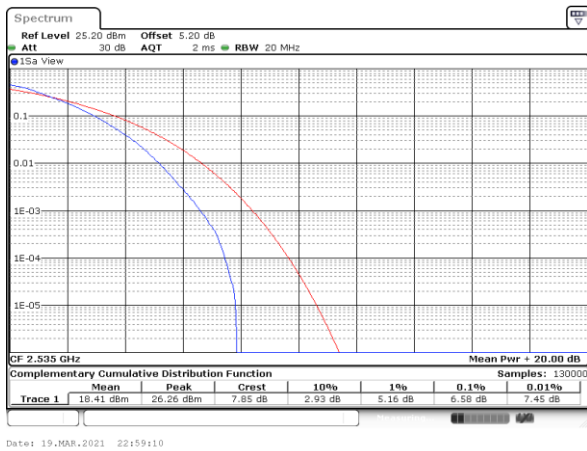
16QAM



64QAM



256QAM





26dB Bandwidth

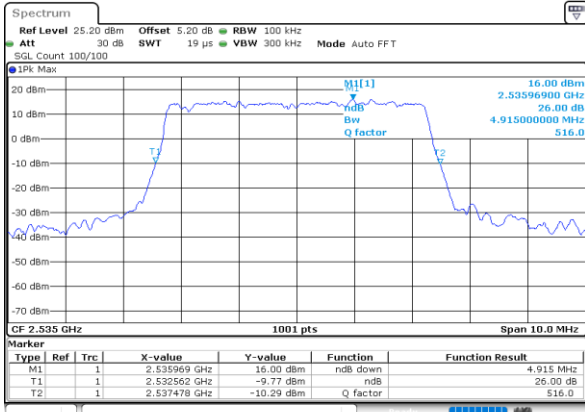
Mode	FR1 n7 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.92		9.45		14.27		18.86	

Mode	FR1 n7 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.93	4.95	9.99	9.81	14.99	14.84	19.74	19.74
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.99	4.87	9.77	9.79	15.02	14.90	19.74	19.90



FR1 n7 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

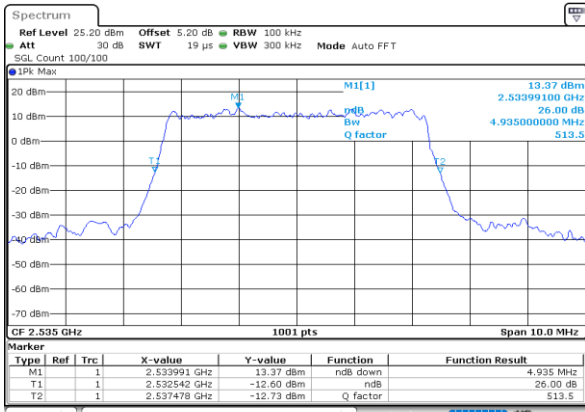
PI/2 BPSK



Date: 19_MAR_2021 23:07:10

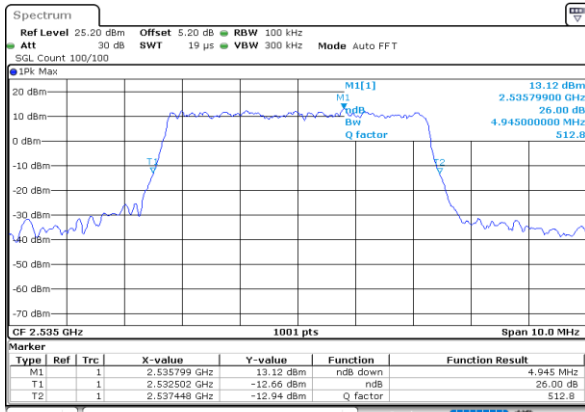
FR1 n7 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



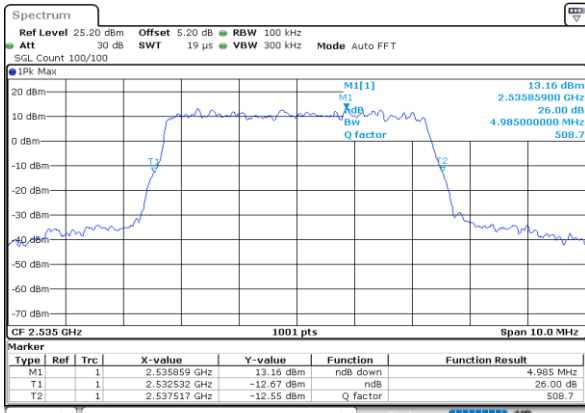
Date: 19_MAR_2021 23:08:10

16QAM



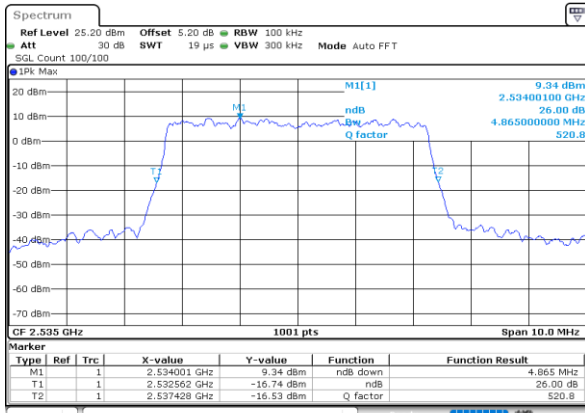
Date: 19_MAR_2021 23:08:40

64QAM



Date: 19_MAR_2021 23:08:56

256QAM

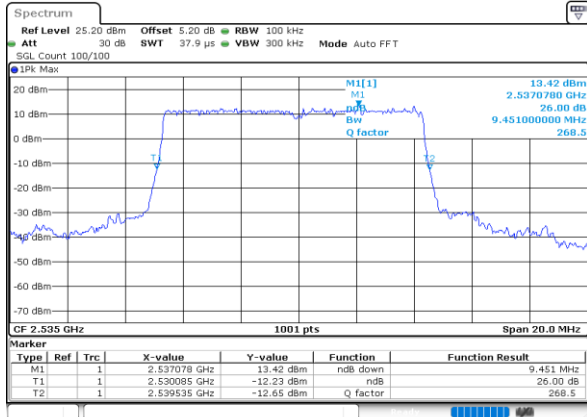


Date: 19_MAR_2021 23:09:13



FR1 n7 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

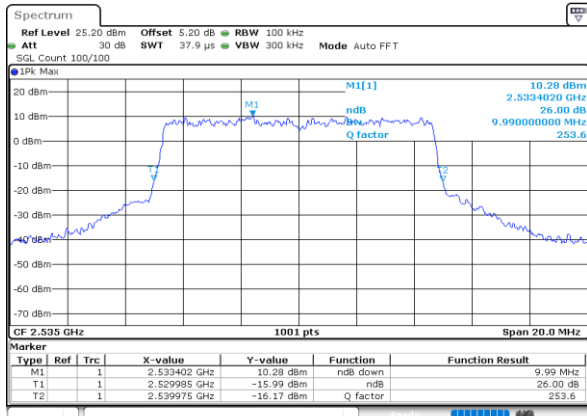
PI/2 BPSK



Date: 19_MAR_2021 23:06:31

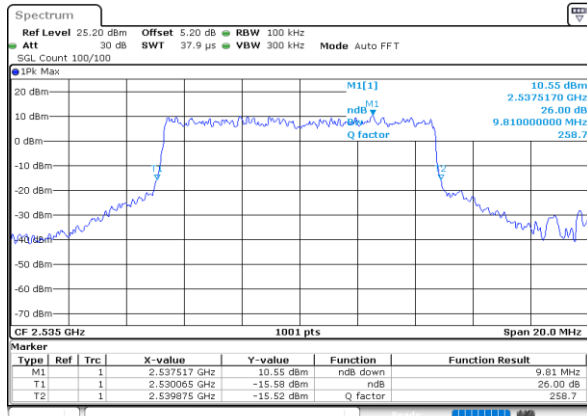
FR1 n7 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



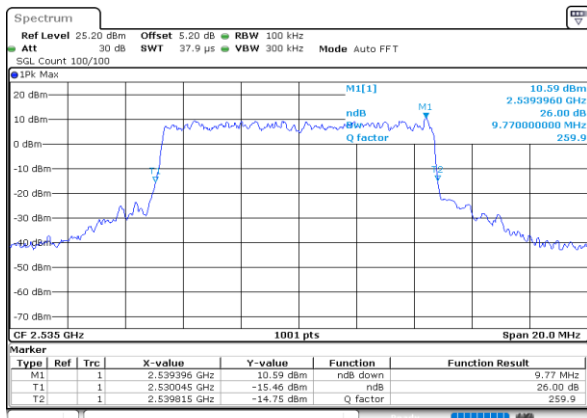
Date: 19_MAR_2021 23:05:52

16QAM



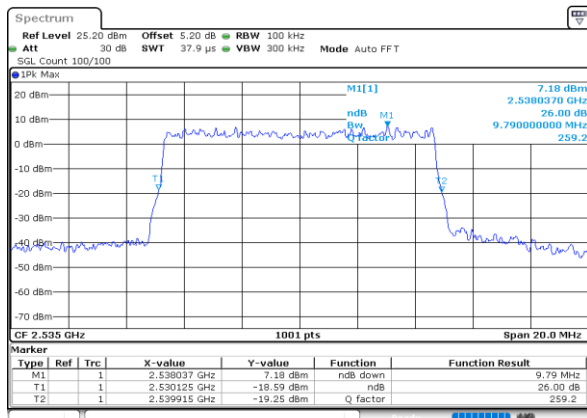
Date: 19_MAR_2021 23:05:35

64QAM



Date: 19_MAR_2021 23:05:16

256QAM

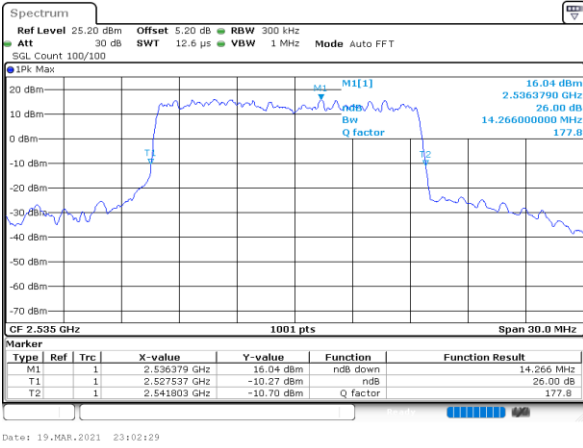


Date: 19_MAR_2021 23:04:53



FR1 n7 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

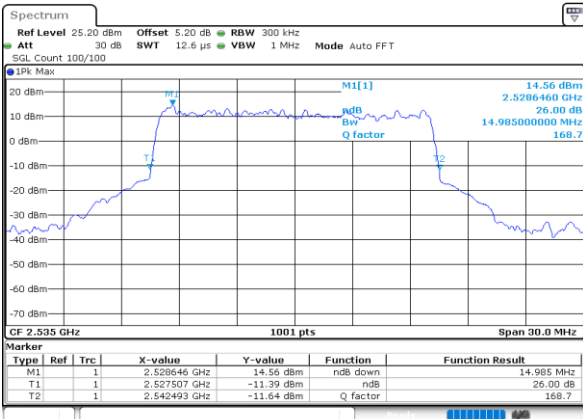
PI/2 BPSK



Date: 19_MAR_2021 23:02:29

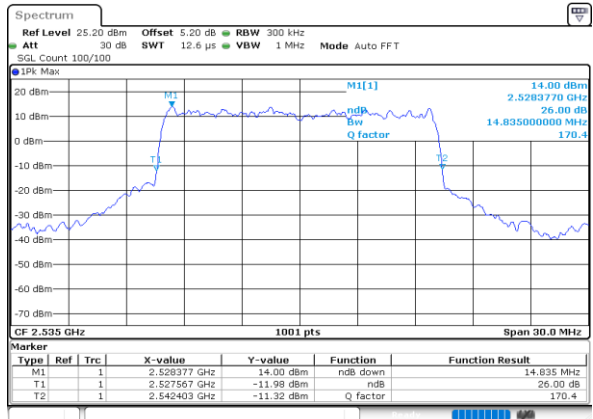
FR1 n7 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



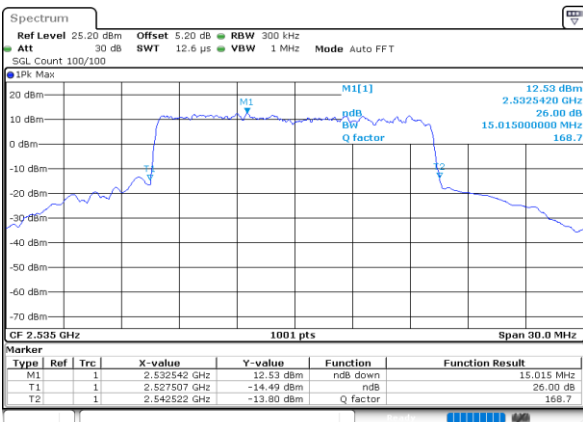
Date: 19_MAR_2021 23:02:56

16QAM



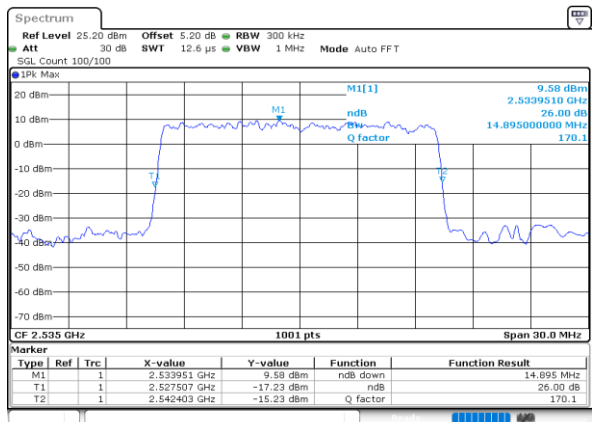
Date: 19_MAR_2021 23:03:18

64QAM



Date: 19_MAR_2021 23:03:38

256QAM

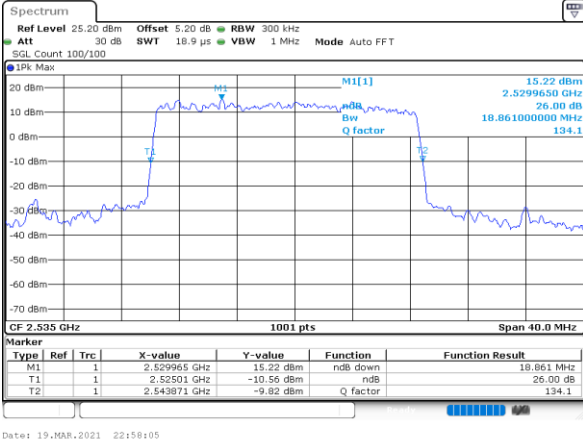


Date: 19_MAR_2021 23:03:57



FR1 n7 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

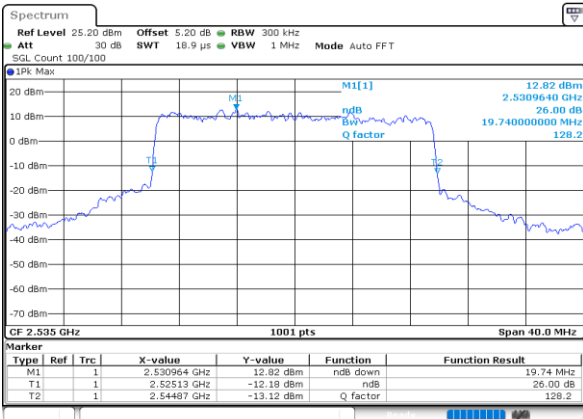
PI/2 BPSK



Date: 19_MAR.2021 22:58:05

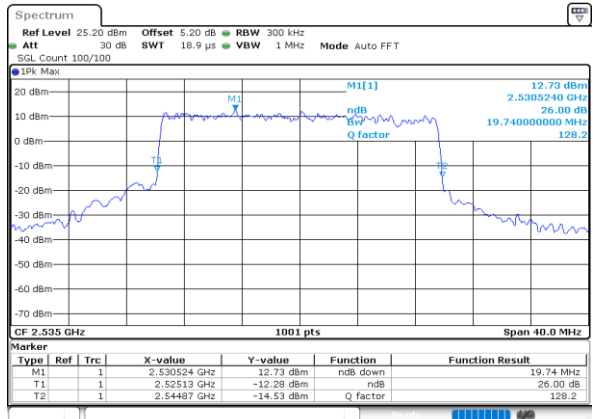
FR1 n7 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



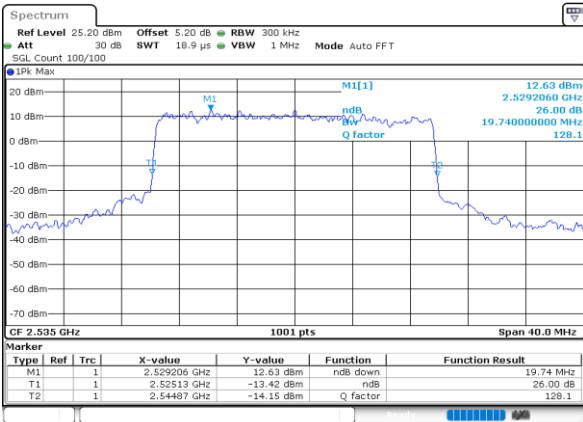
Date: 19_MAR.2021 23:01:22

16QAM



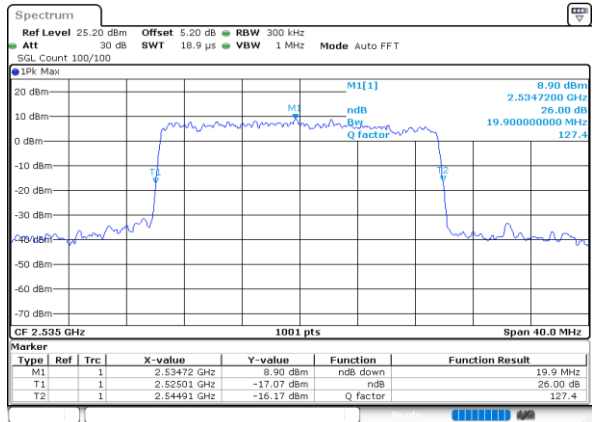
Date: 19_MAR.2021 23:01:07

64QAM



Date: 19_MAR.2021 23:00:51

256QAM



Date: 19_MAR.2021 23:00:29



Occupied Bandwidth

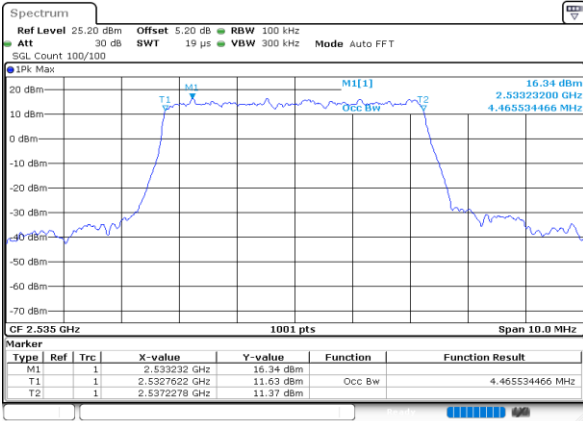
Mode	FR1 n7 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.47		8.89		13.49		17.86	

Mode	FR1 n7 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.49	9.27	9.29	14.15	14.09	18.86	18.94
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.48	4.46	9.27	9.27	14.18	14.12	18.90	18.90



FR1 n7 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

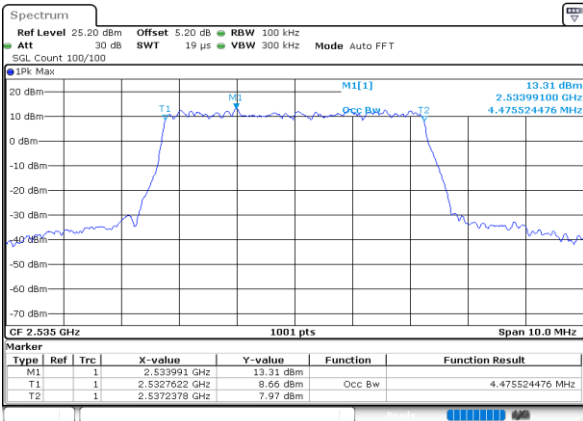
PI/2 BPSK



Date: 19_MAR_2021 23:07:04

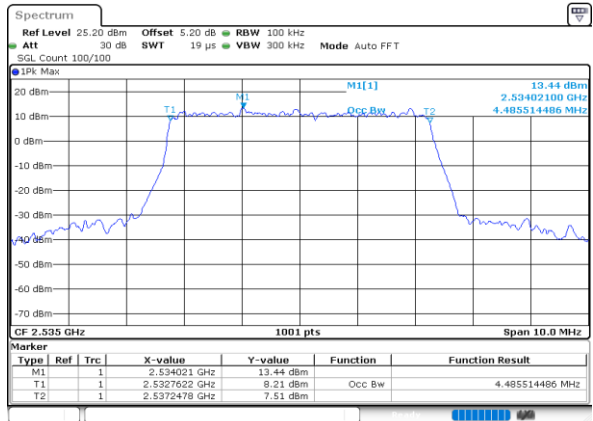
FR1 n7 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



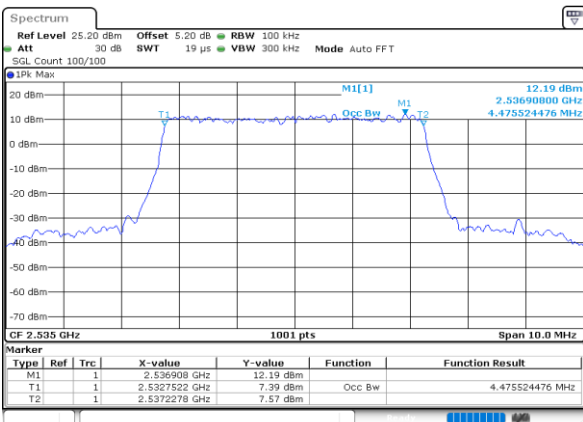
Date: 19_MAR_2021 23:08:12

16QAM



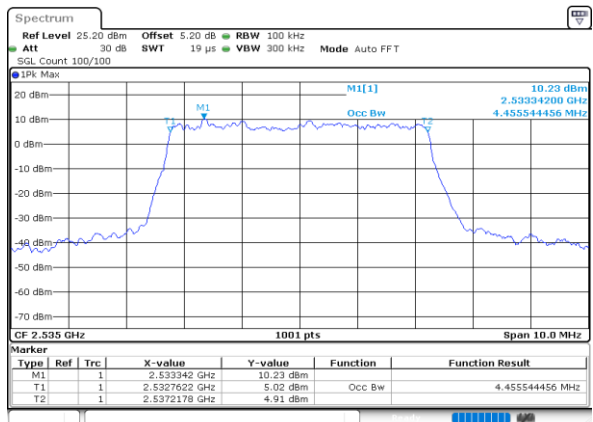
Date: 19_MAR_2021 23:08:34

64QAM



Date: 19_MAR_2021 23:08:50

256QAM

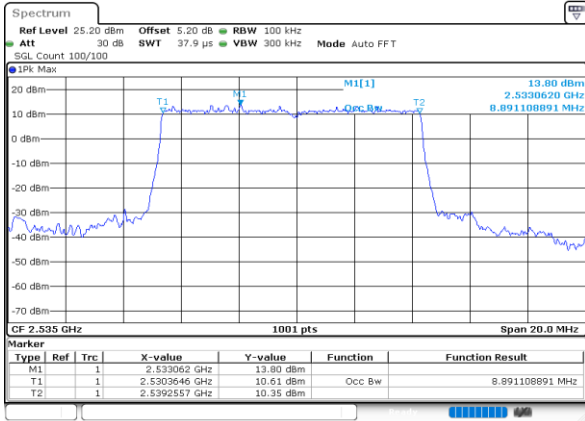


Date: 19_MAR_2021 23:09:07



FR1 n7 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

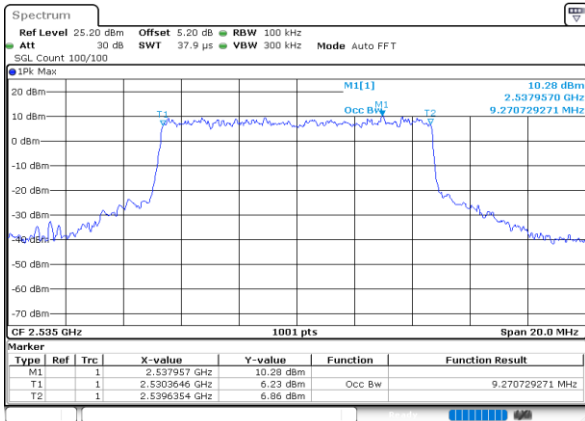
PI/2 BPSK



Date: 19_MAR_2021 23:06:18

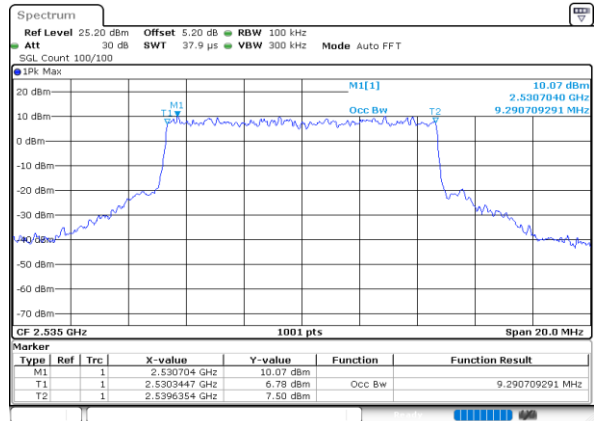
FR1 n7 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



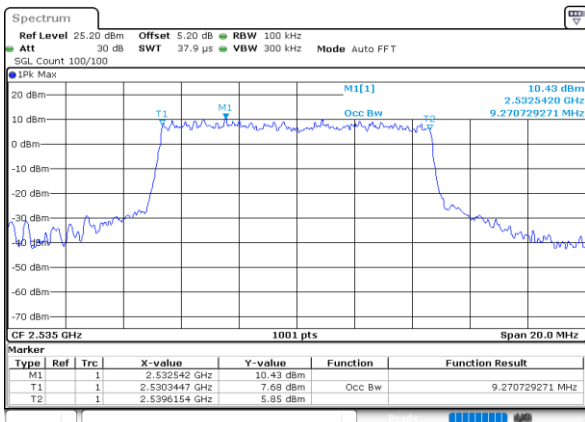
Date: 19_MAR_2021 23:05:46

16QAM



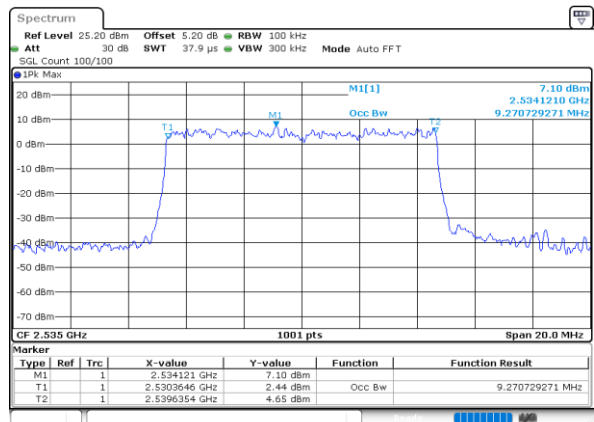
Date: 19_MAR_2021 23:05:28

64QAM



Date: 19_MAR_2021 23:05:10

256QAM

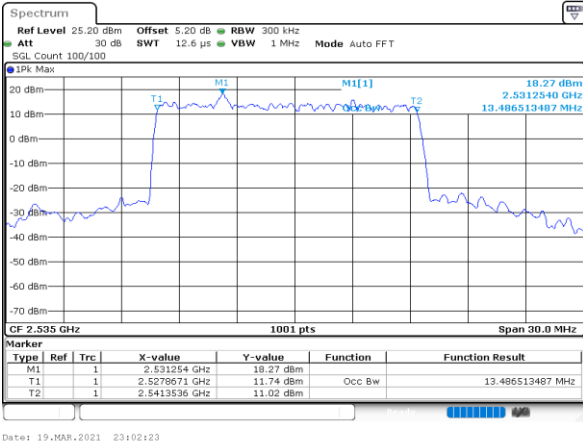


Date: 19_MAR_2021 23:04:48



FR1 n7 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

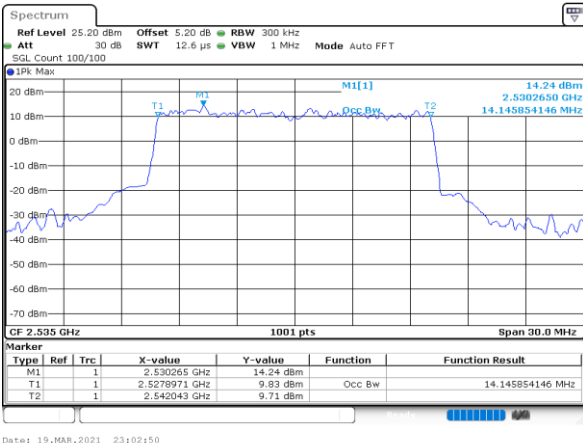
PI/2 BPSK



Date: 19_MAR_2021 23:02:23

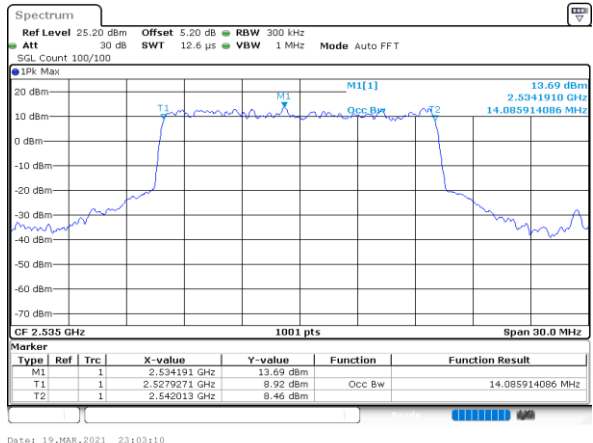
FR1 n7 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



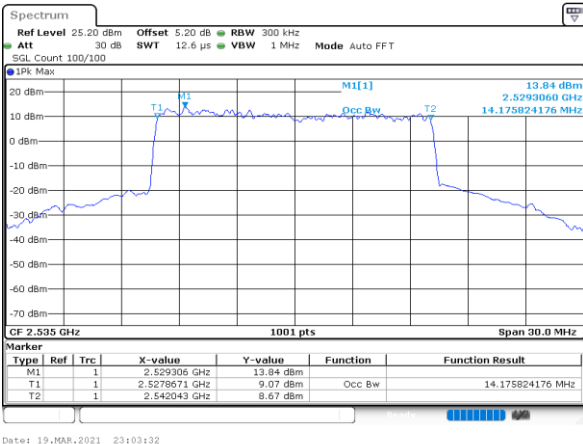
Date: 19_MAR_2021 23:02:50

16QAM



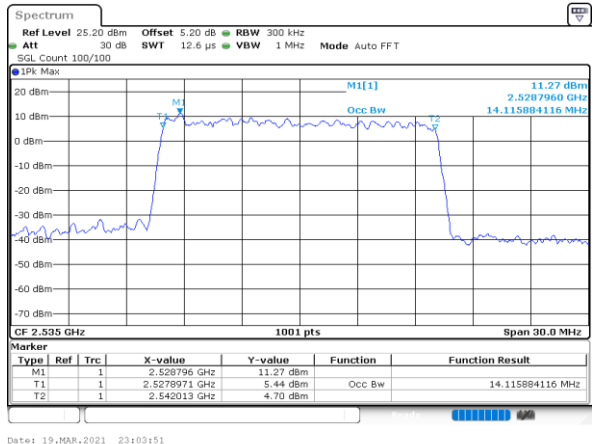
Date: 19_MAR_2021 23:03:10

64QAM



Date: 19_MAR_2021 23:03:32

256QAM

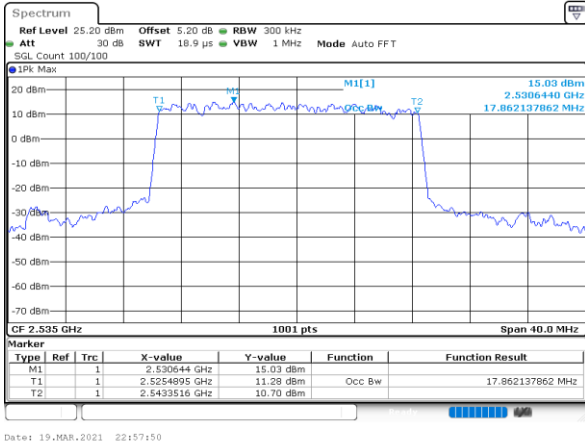


Date: 19_MAR_2021 23:03:51



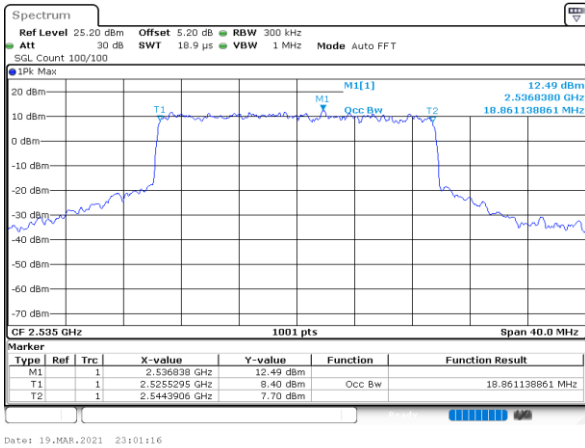
FR1 n7 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

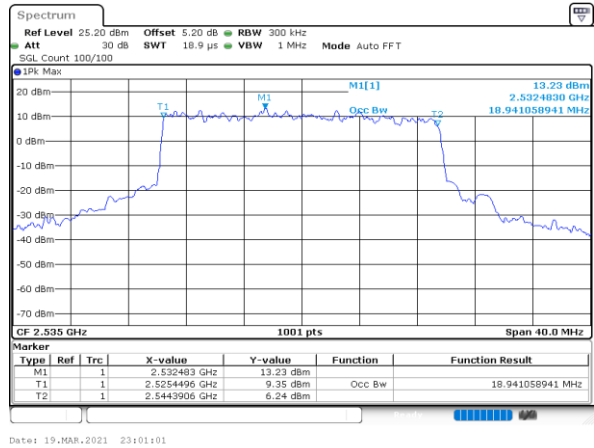


FR1 n7 / 20MHz / CP OFDM / Middle Channel / Full RB

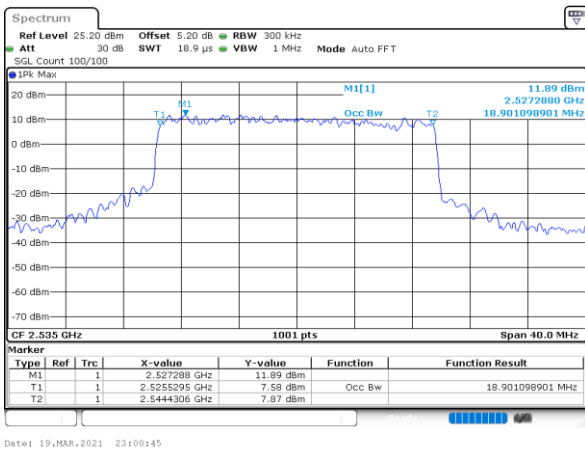
QPSK



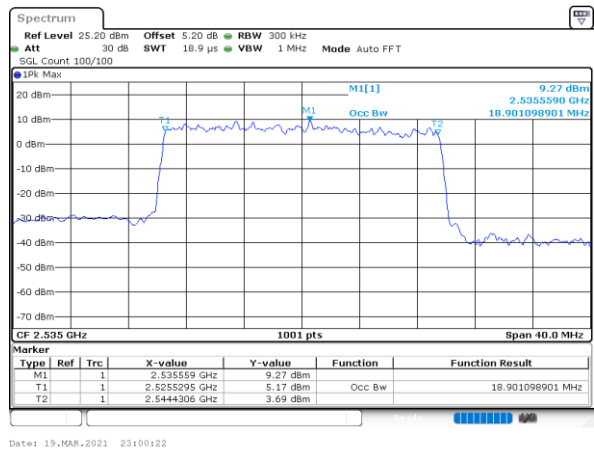
16QAM



64QAM



256QAM



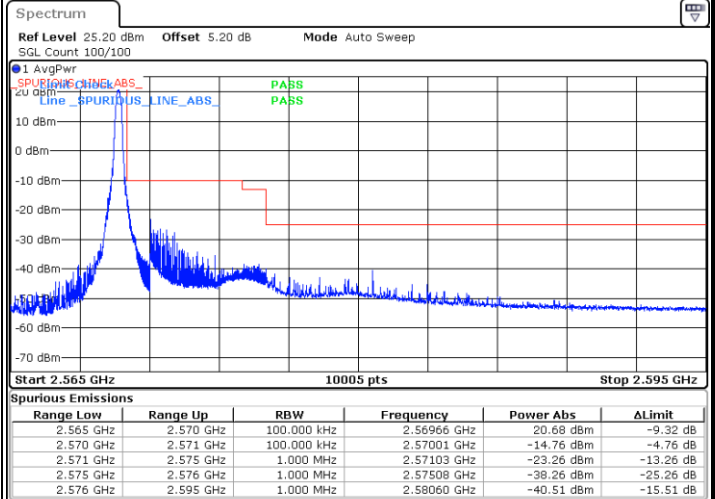
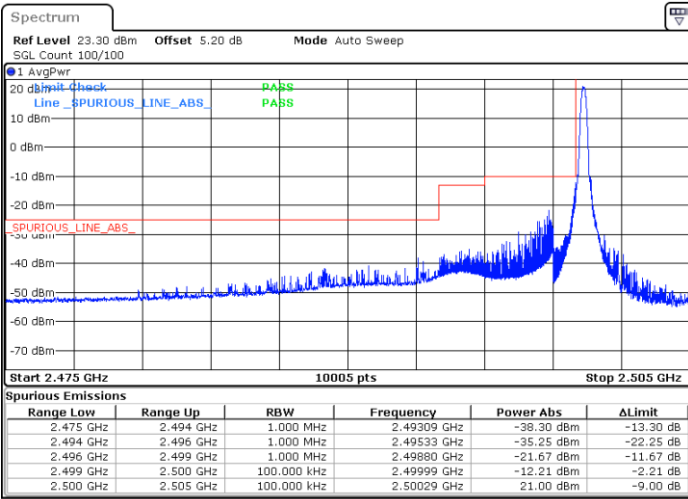


Conducted Band Edge

FR1 n7 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

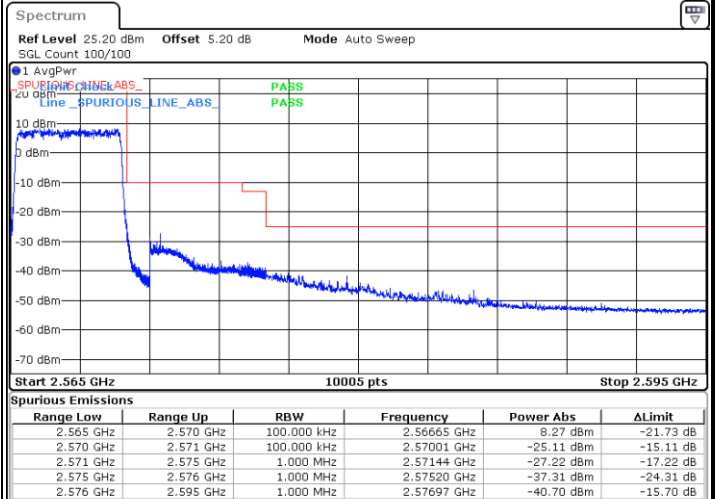
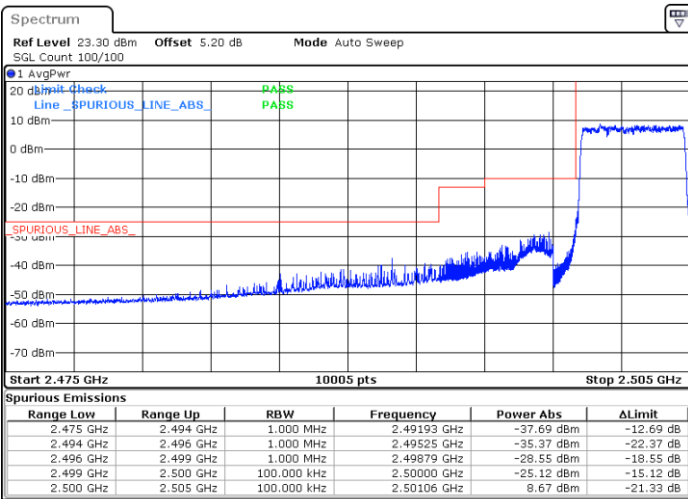


Date: 19.MAR.2021 23:17:52

Date: 19.MAR.2021 23:39:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.MAR.2021 23:26:18

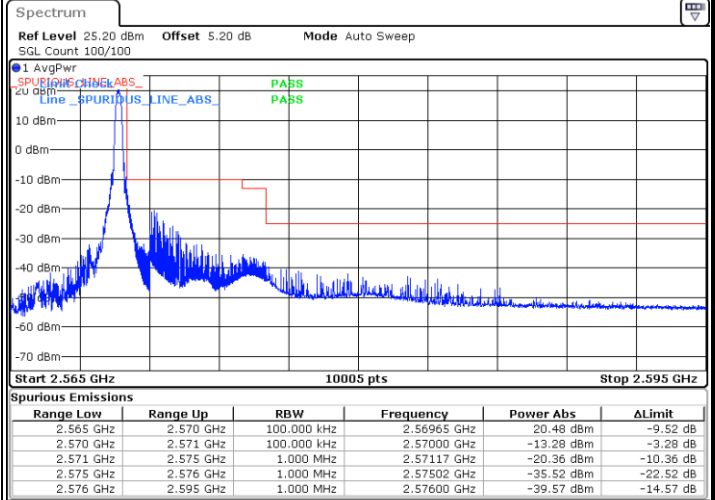
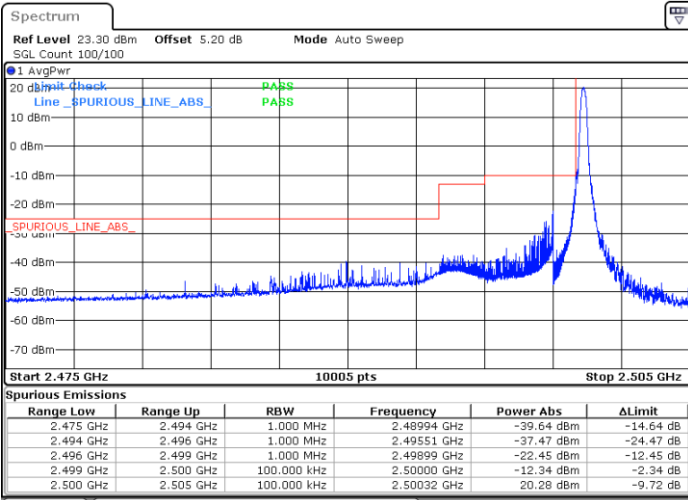
Date: 19.MAR.2021 23:30:01



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

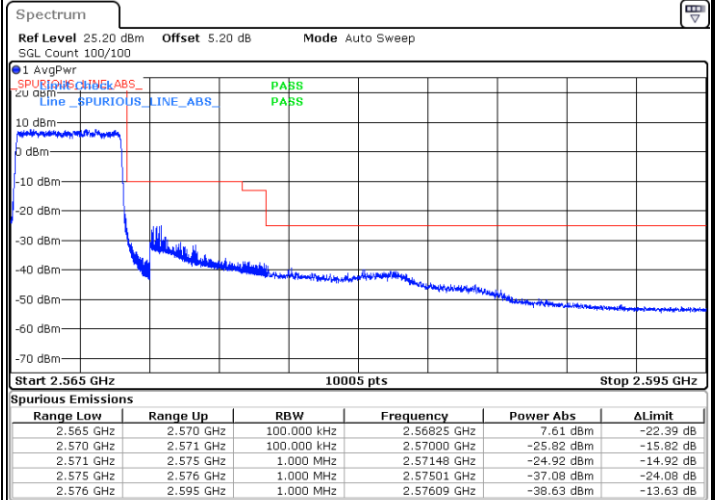
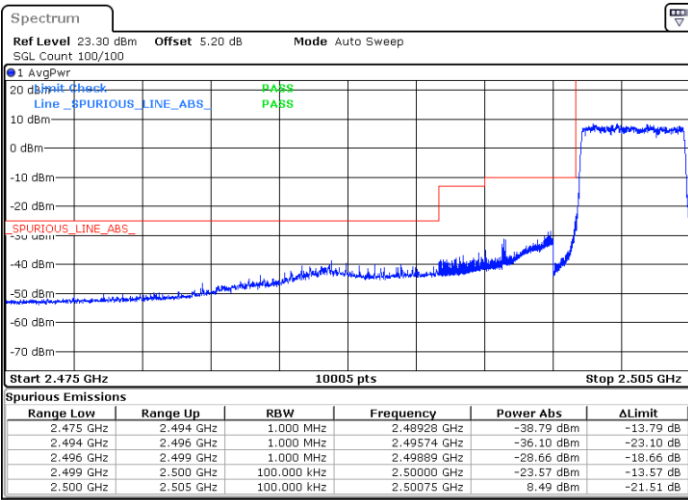


Date: 19.MAR.2021 23:19:03

Date: 19.MAR.2021 23:36:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.MAR.2021 23:25:30

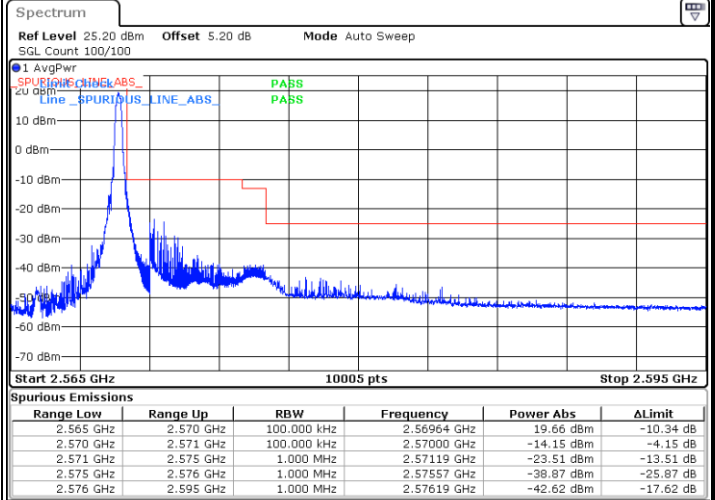
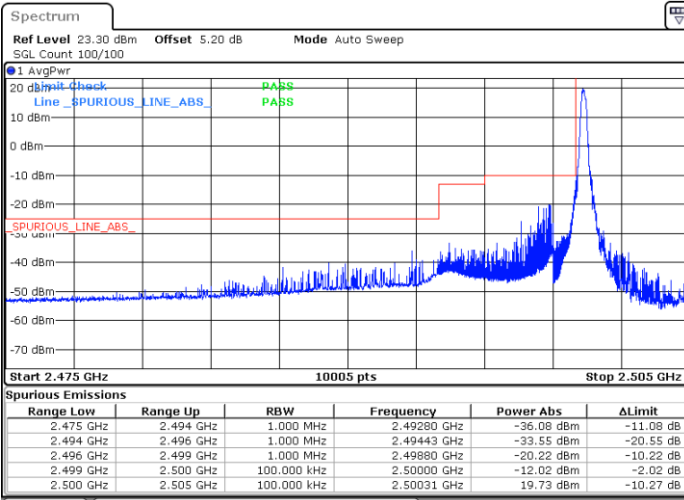
Date: 19.MAR.2021 23:30:31



FR1 n7 / 5MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

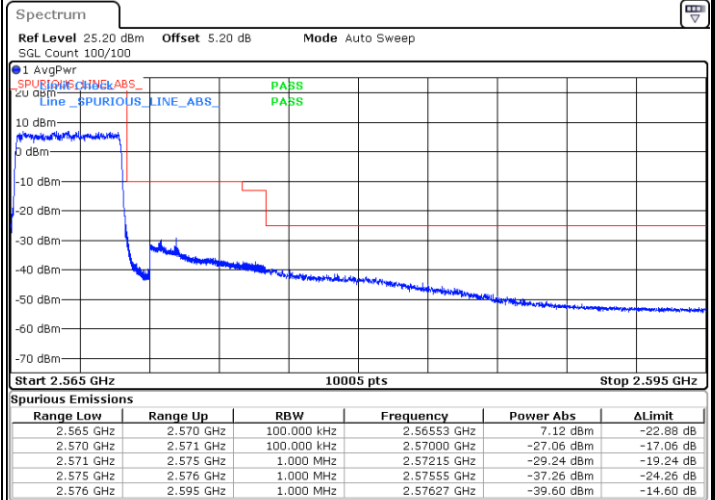
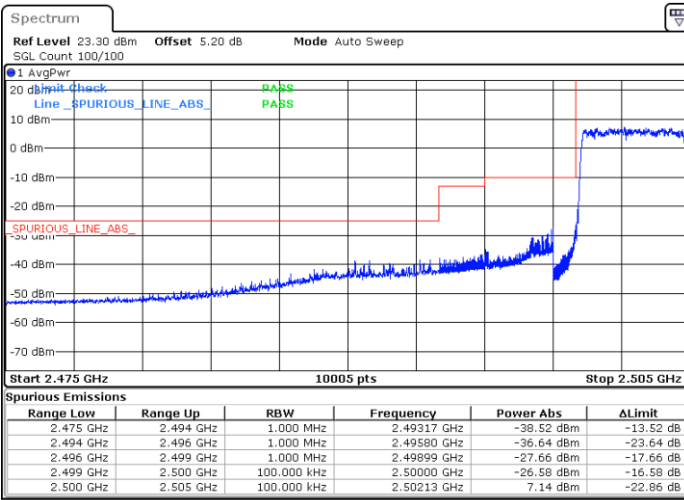


Date: 19.MAR.2021 23:19:25

Date: 19.MAR.2021 23:36:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.MAR.2021 23:24:59

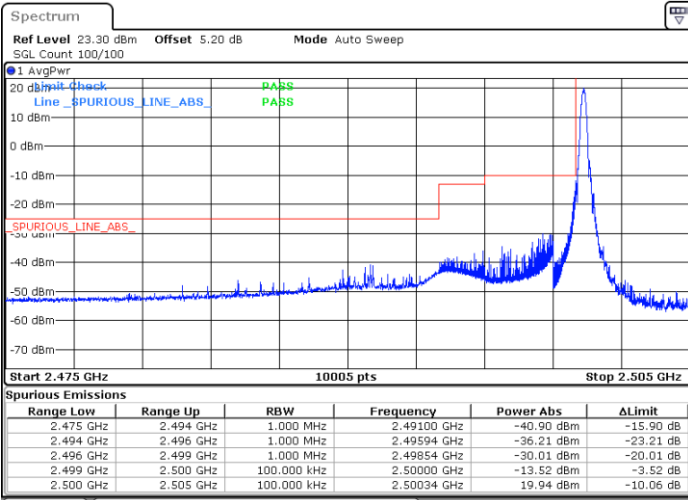
Date: 19.MAR.2021 23:32:41



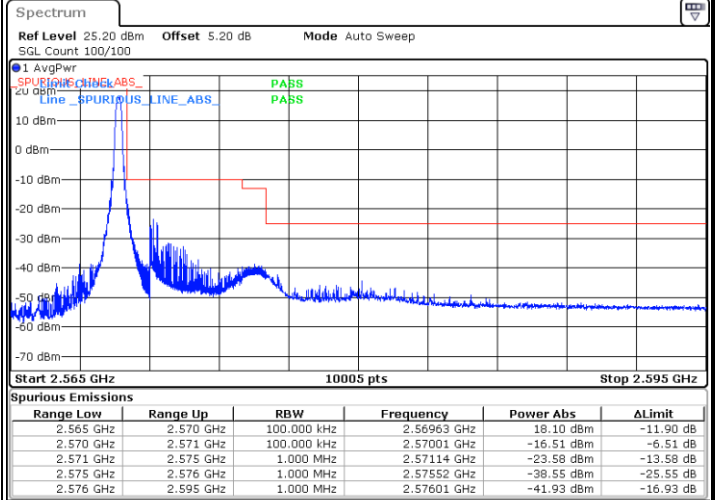
FR1 n7 / 5MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



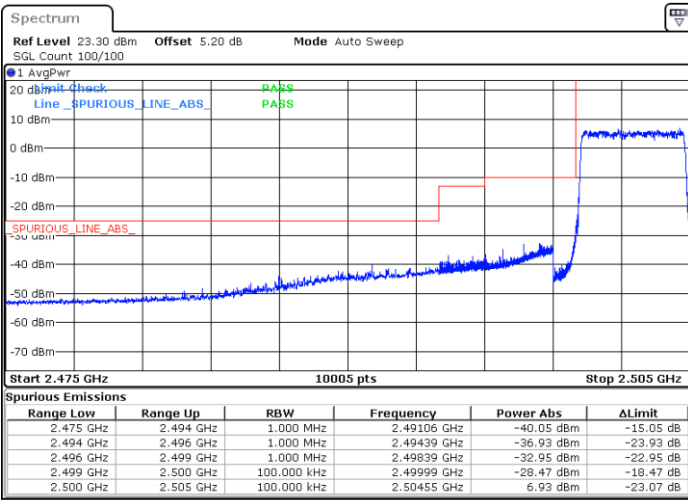
Date: 19.MAR.2021 23:19:45



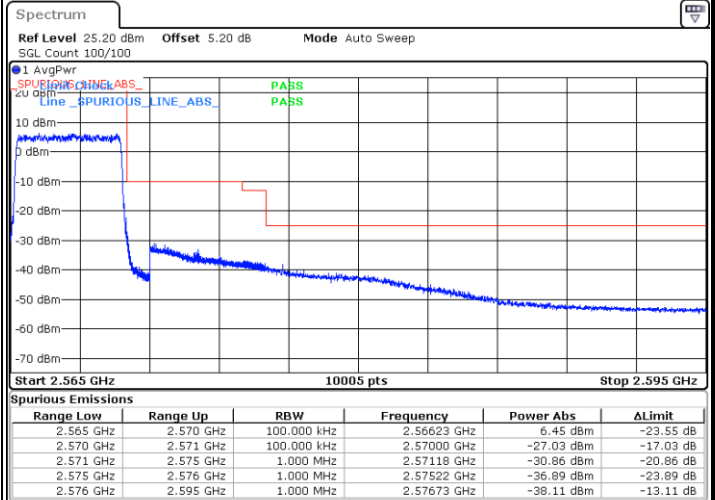
Date: 19.MAR.2021 23:35:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.MAR.2021 23:24:31



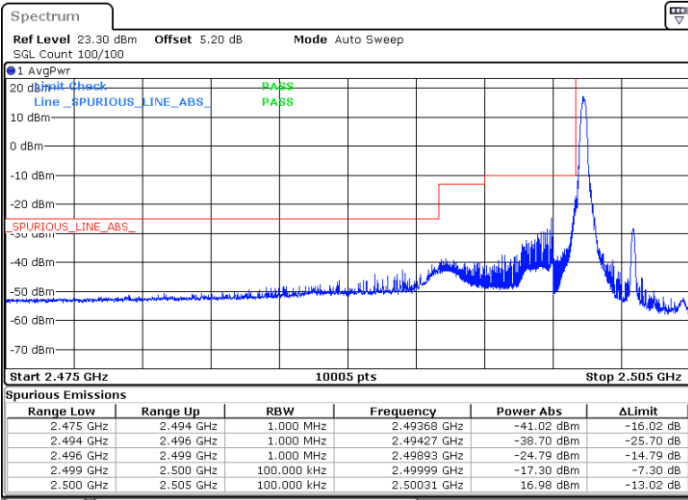
Date: 19.MAR.2021 23:33:08



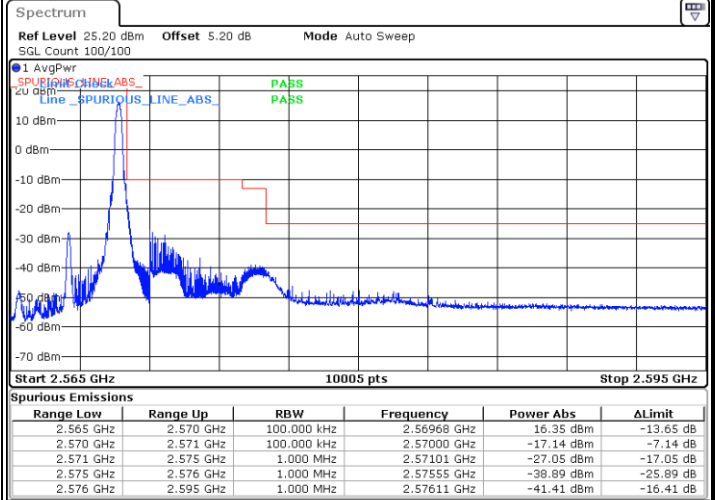
FR1 n7 / 5MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



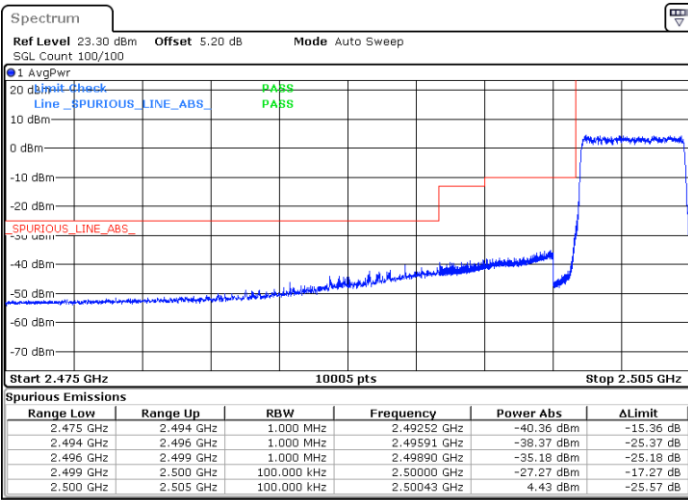
Date: 19.MAR.2021 23:20:43



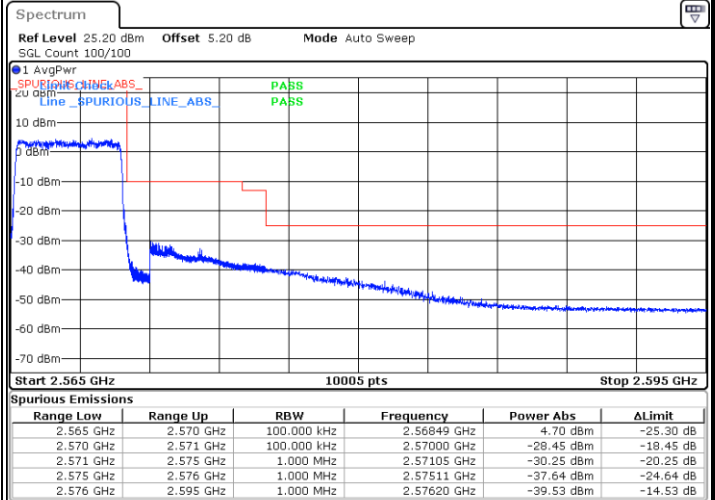
Date: 19.MAR.2021 23:34:28

Lowest Band Edge / Full RB

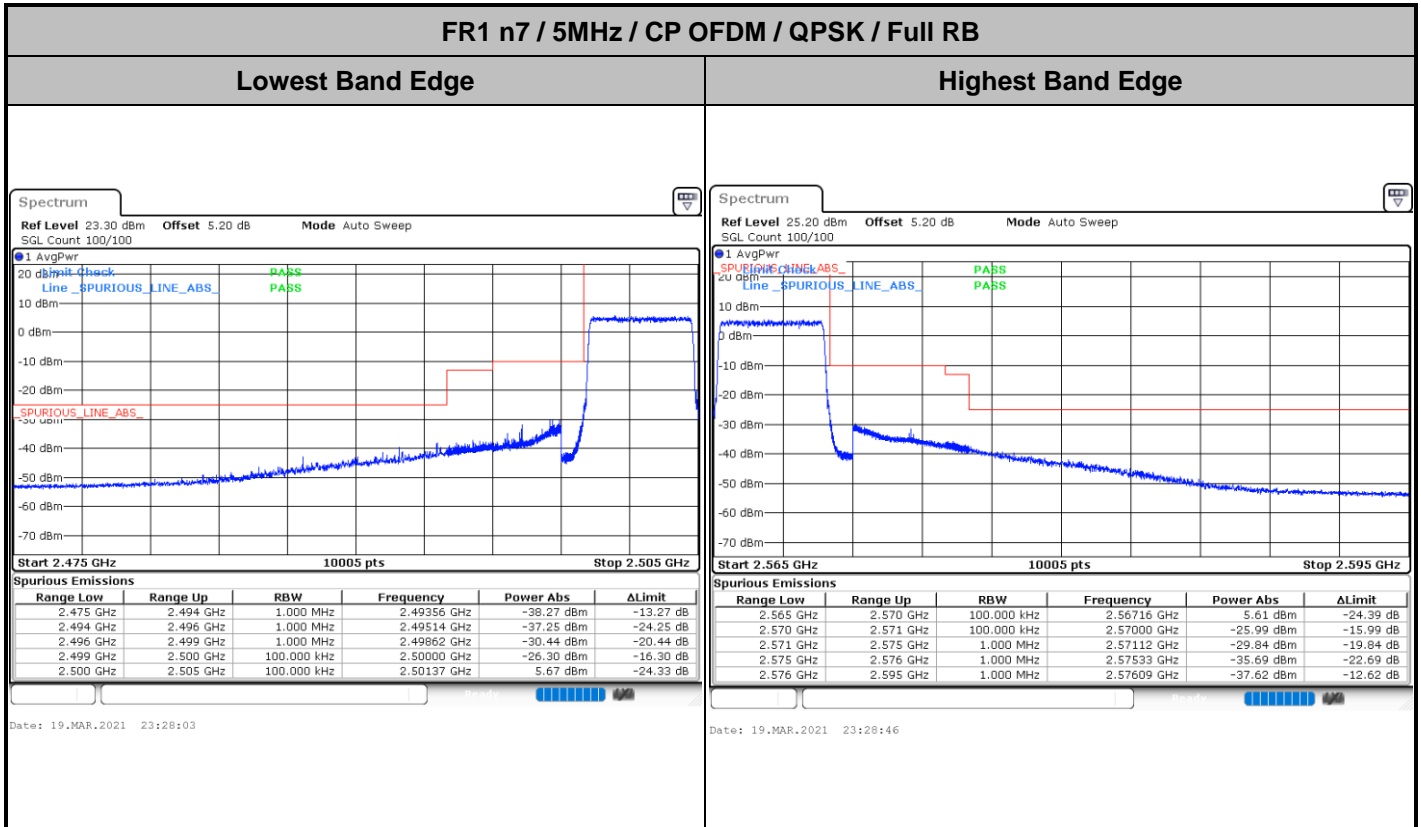
Highest Band Edge / Full RB



Date: 19.MAR.2021 23:21:13



Date: 19.MAR.2021 23:33:48

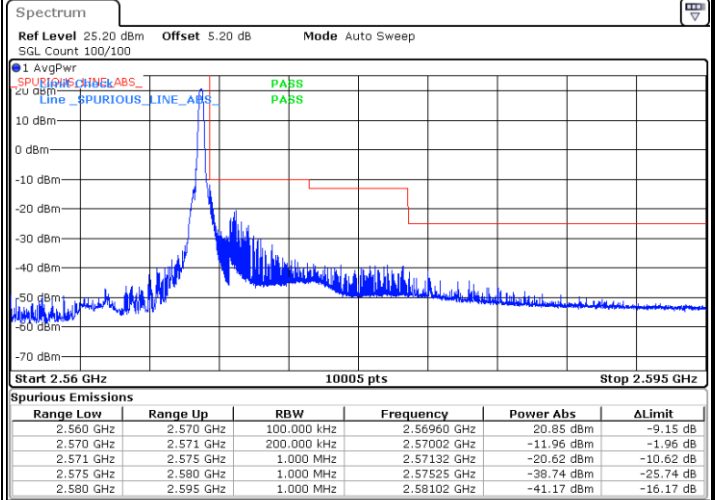
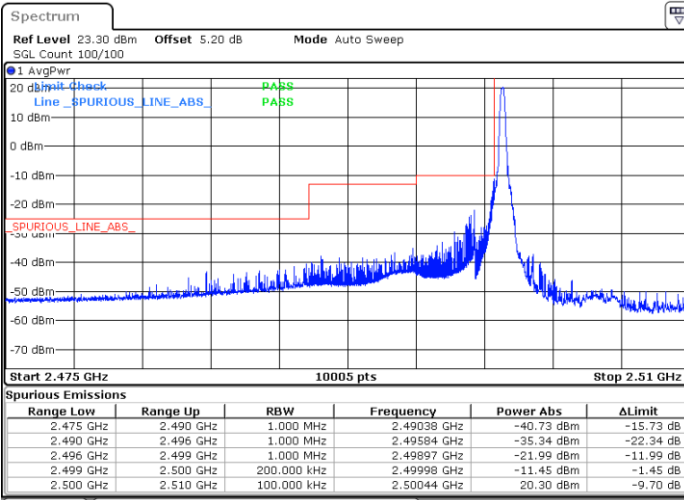




FR1 n7 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

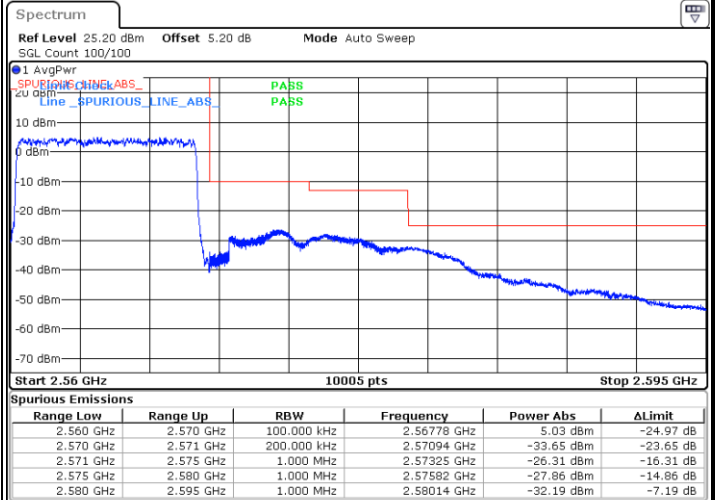
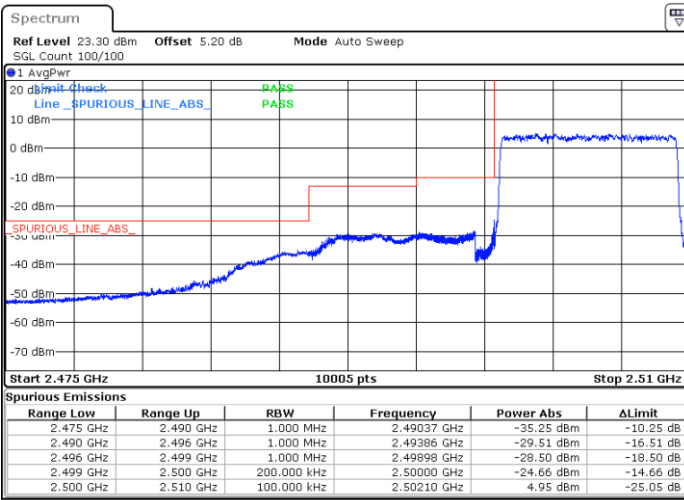


Date: 22.MAR.2021 10:00:02

Date: 20.MAR.2021 00:14:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22.MAR.2021 10:00:22

Date: 22.MAR.2021 09:56:21