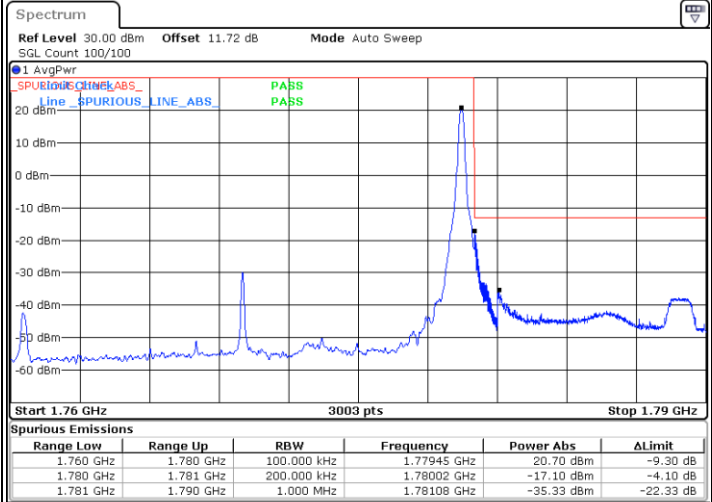
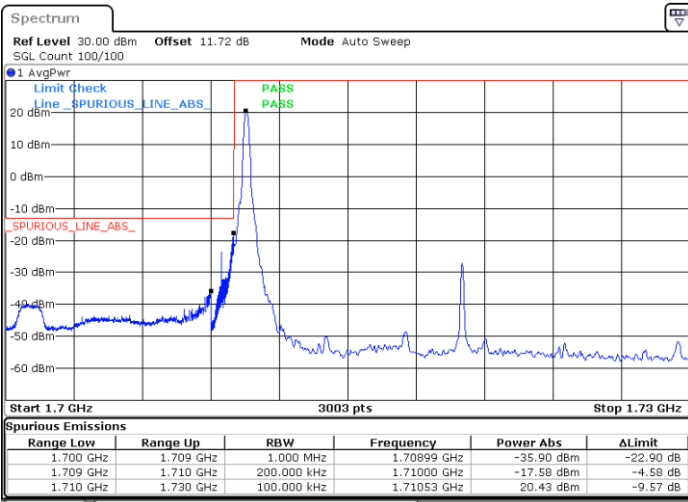




FR1 n66 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

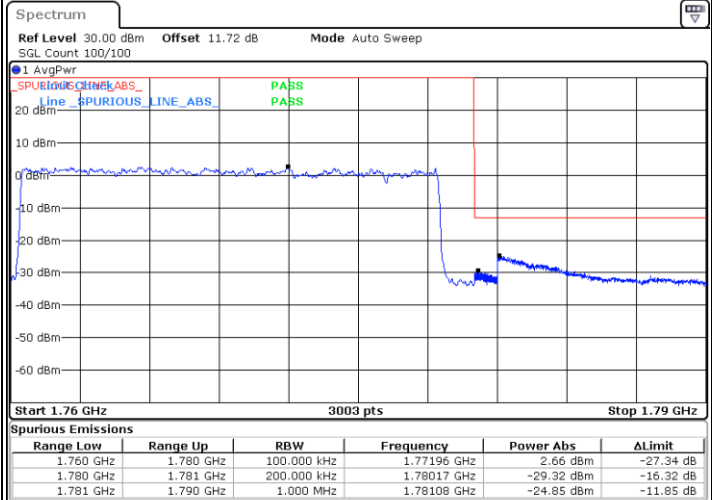
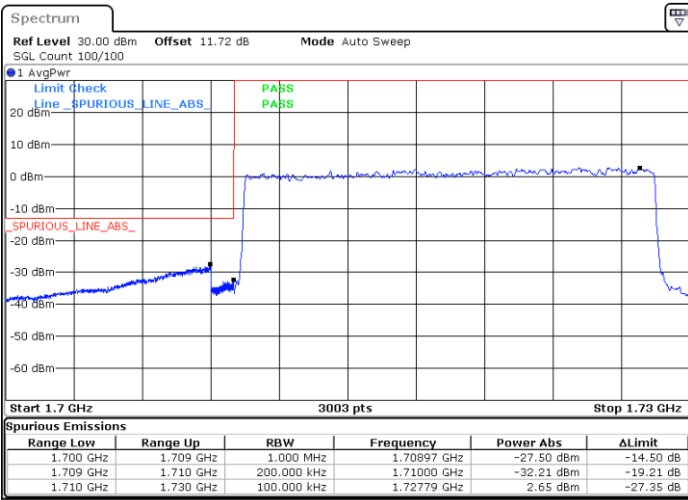


Date: 29.MAR.2021 18:35:34

Date: 29.MAR.2021 18:42:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29.MAR.2021 18:37:12

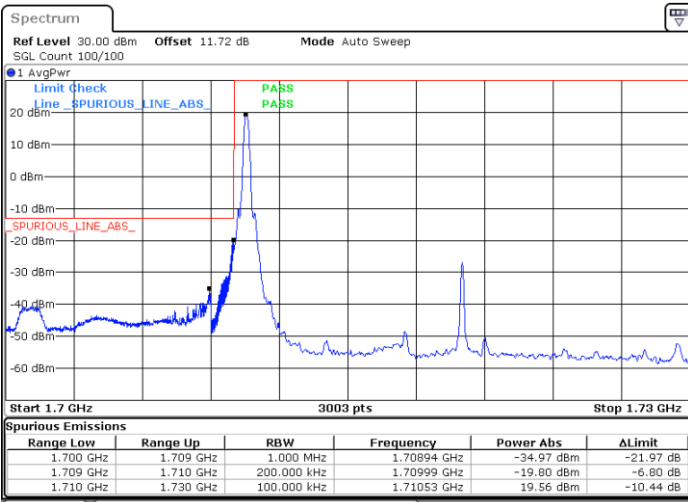
Date: 29.MAR.2021 18:41:32



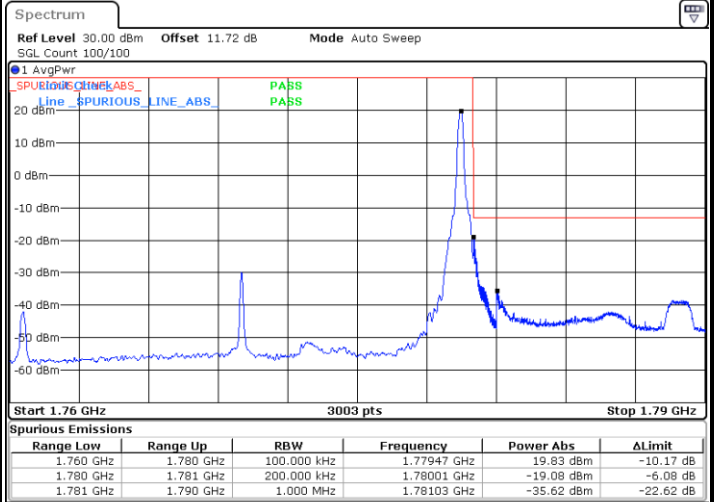
FR1 n66 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



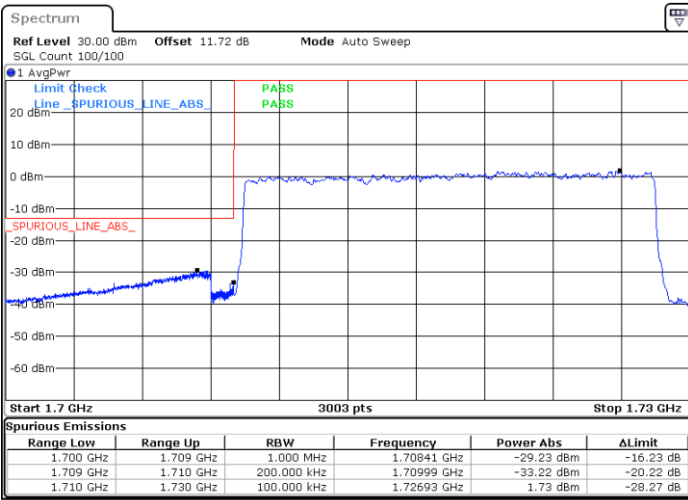
Date: 29.MAR.2021 18:35:45



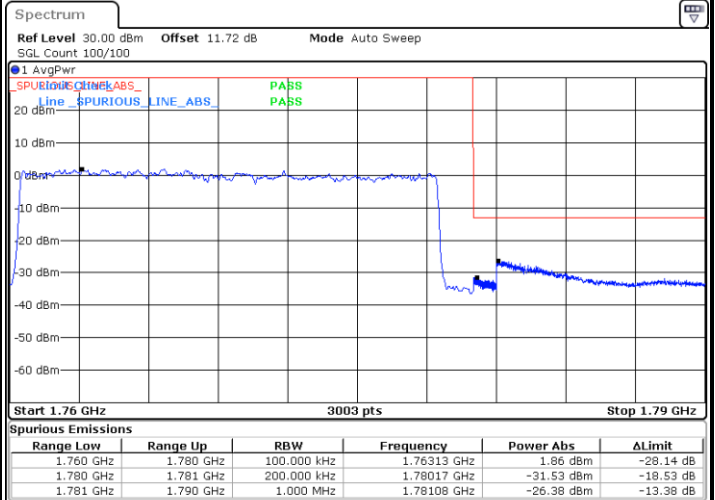
Date: 29.MAR.2021 18:42:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29.MAR.2021 18:37:01



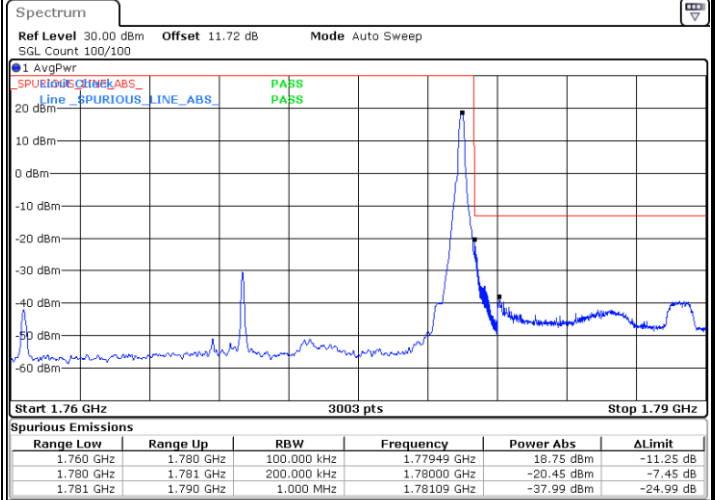
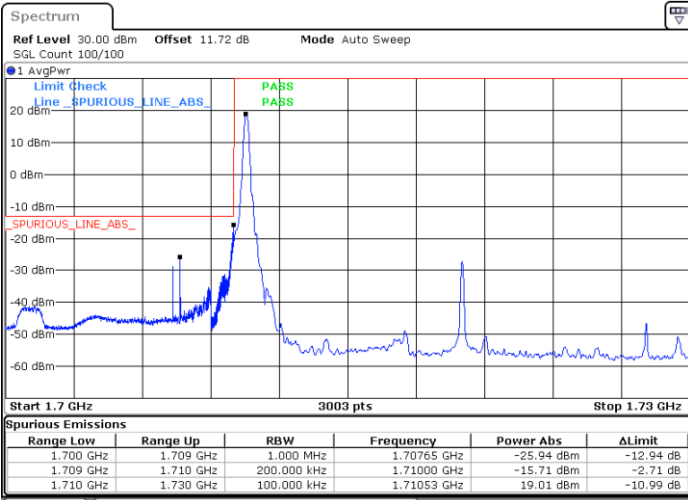
Date: 29.MAR.2021 18:41:21



FR1 n66 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

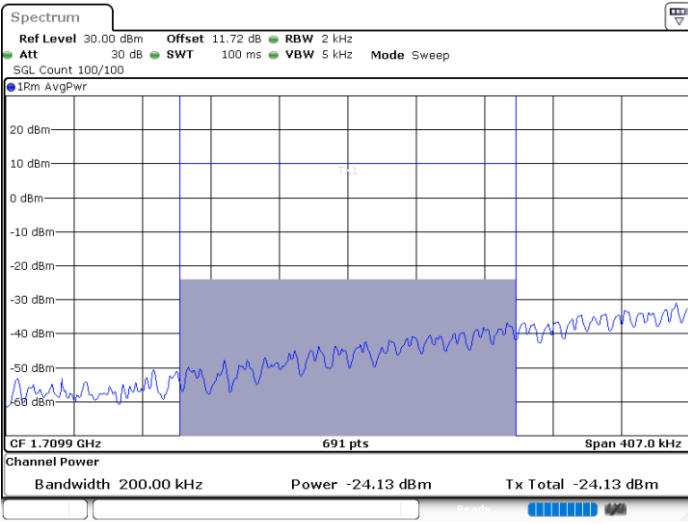
Highest Band Edge / 1RBmax



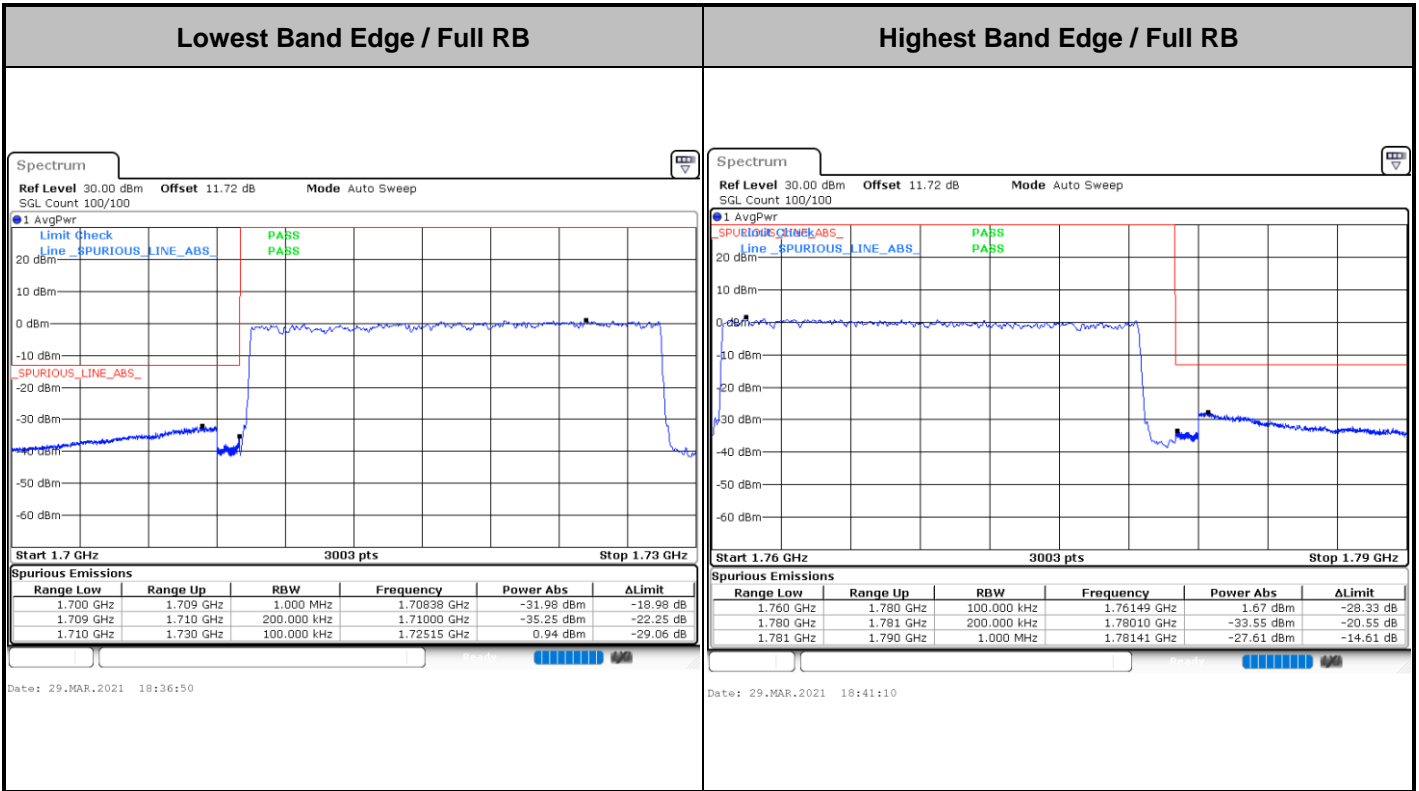
Date: 29.MAR.2021 18:35:58

Date: 29.MAR.2021 18:42:34

Channel Power -24.13dBm < -13dBm (Pass)



Date: 30.MAR.2021 00:14:38

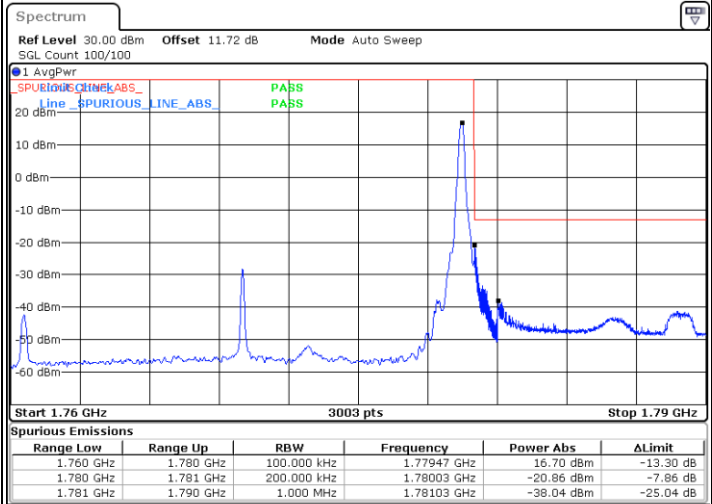
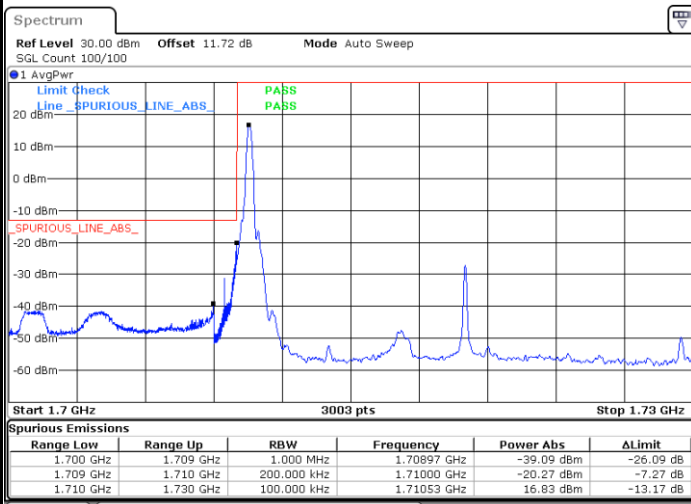




FR1 n66 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

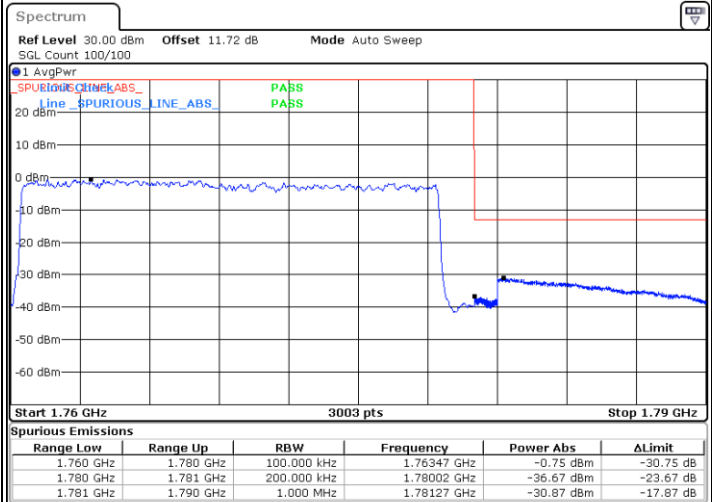
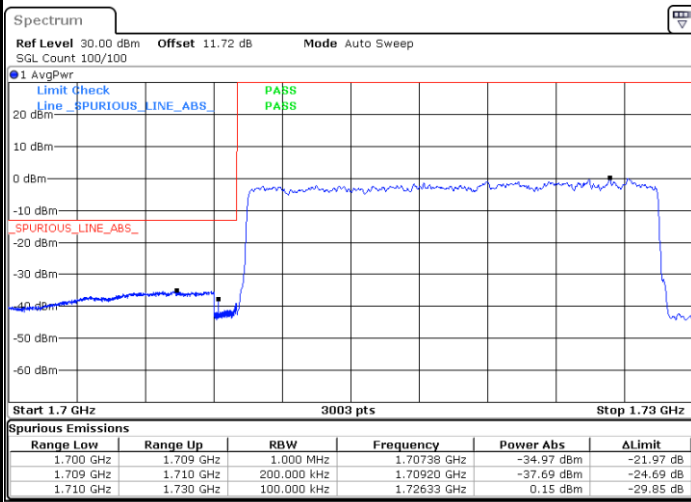


Date: 29.MAR.2021 18:36:18

Date: 29.MAR.2021 18:42:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29.MAR.2021 18:36:32

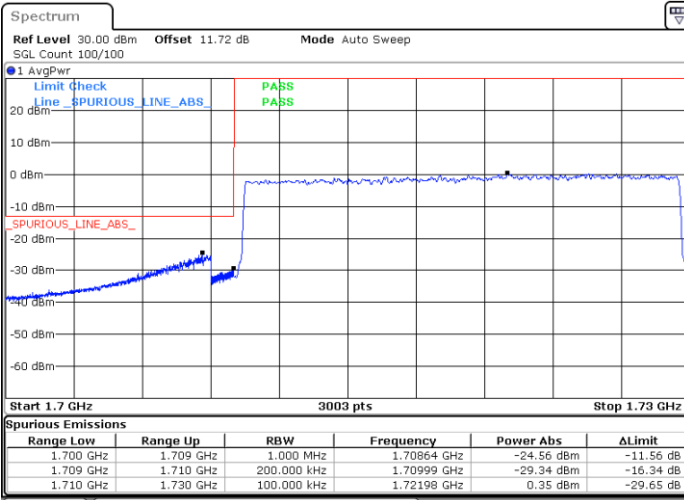
Date: 29.MAR.2021 18:41:00



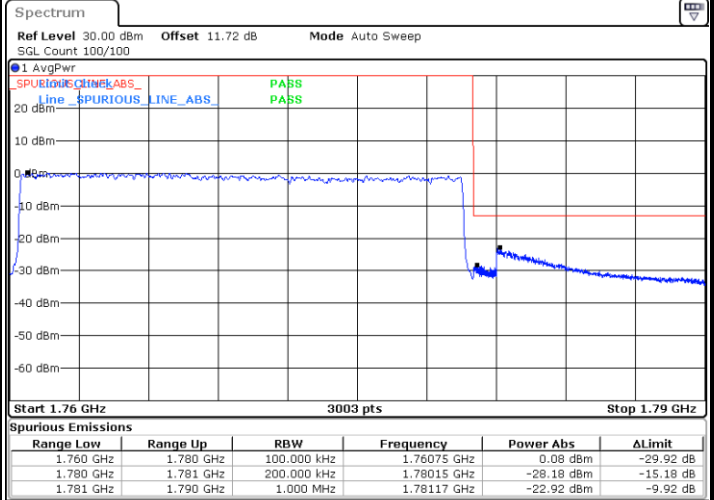
FR1 n66 / 20MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



Date: 29.MAR.2021 18:37:46



Date: 29.MAR.2021 18:45:44

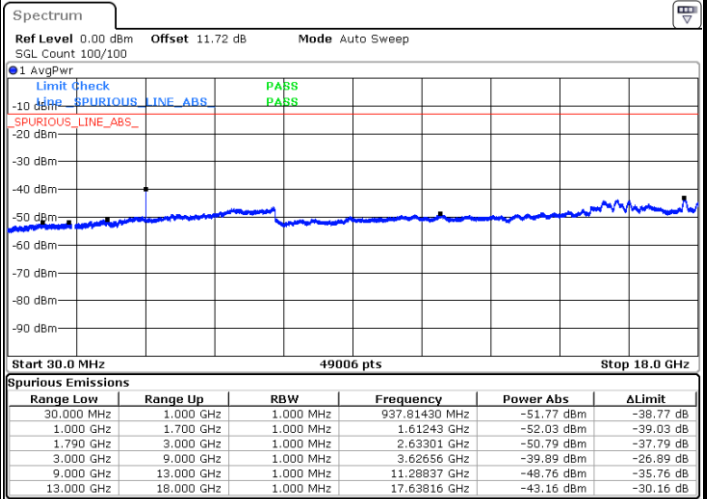
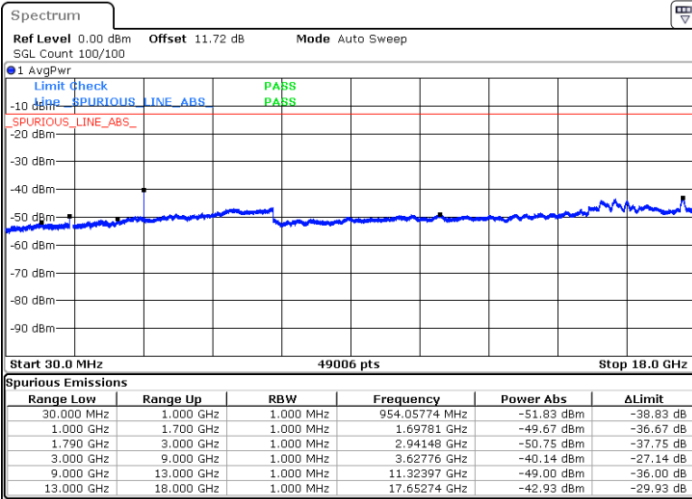


Conducted Spurious Emission

FR1 n66 / 5MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

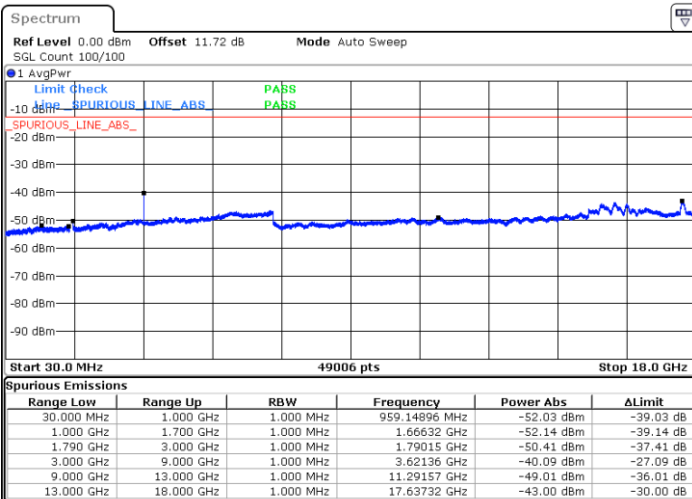
Middle Channel



Date: 29.MAR.2021 22:54:46

Date: 29.MAR.2021 22:53:30

Highest Channel



Date: 29.MAR.2021 22:52:26



Frequency Stability

Test Conditions		FR1 n66 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0031	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0034	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0186	
20	Normal Voltage	0.0046	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n71

<Main>

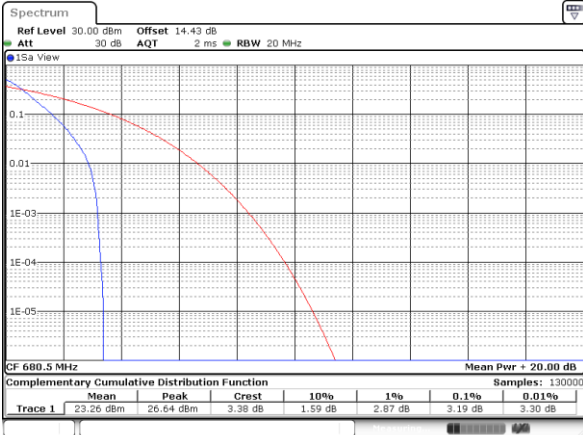
Peak-to-Average Ratio

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	3.19	4.26	5.42	5.74	PASS
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.38				PASS



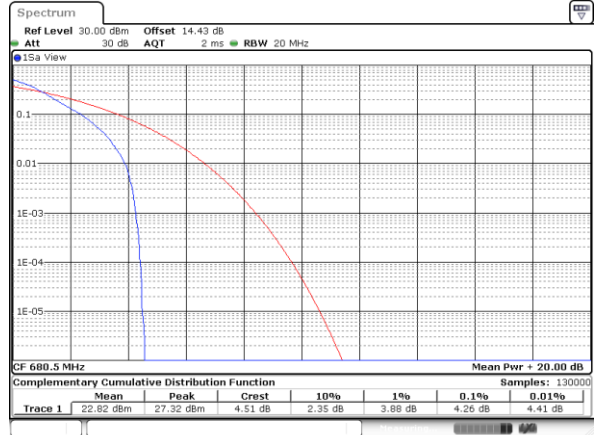
FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



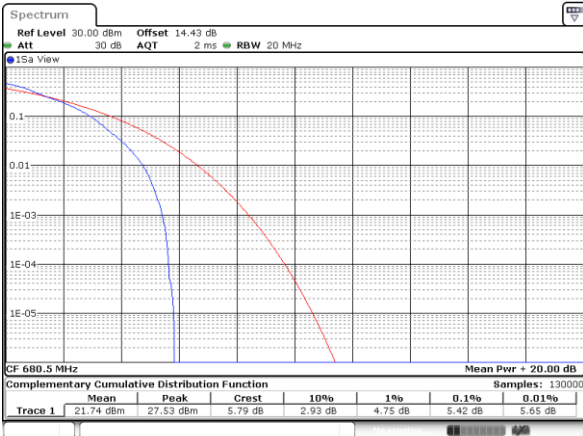
Date: 29.MAR.2021 17:15:47

QPSK



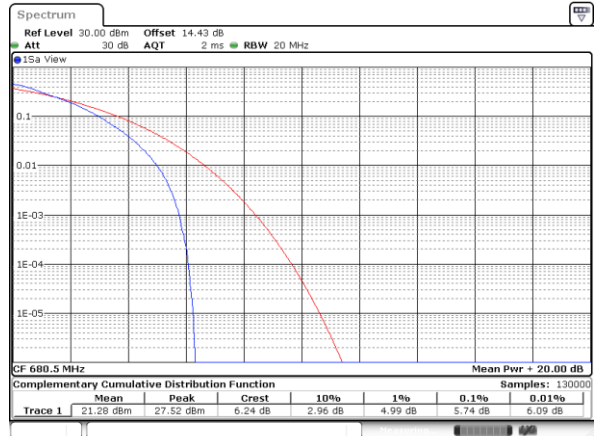
Date: 29.MAR.2021 17:15:38

16QAM



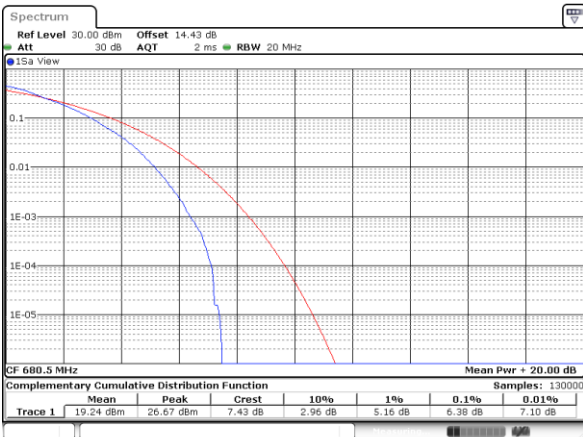
Date: 29.MAR.2021 17:15:29

64QAM



Date: 29.MAR.2021 17:15:18

256QAM



Date: 29.MAR.2021 17:15:03



26dB Bandwidth

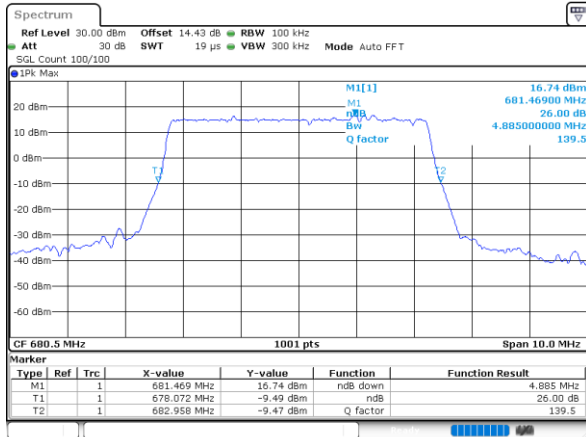
Mode	FR1 n71 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.89		9.37		14.24		18.74	

Mode	FR1 n71 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.96	4.93	9.87	9.91	14.87	14.96	19.94	19.82
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.95	4.93	9.75	9.79	15.08	14.84	19.90	19.90



FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

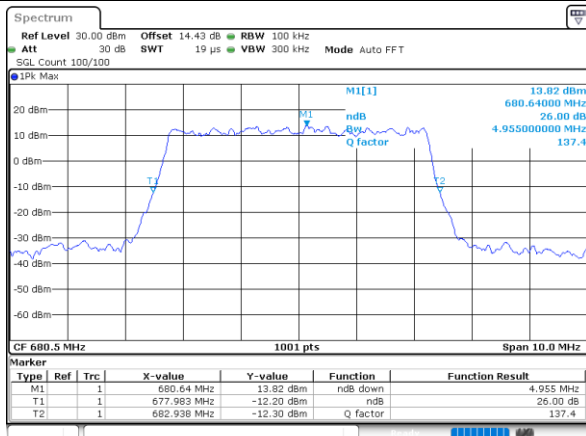
PI/2 BPSK



Date: 29_MAR_2021 16:21:49

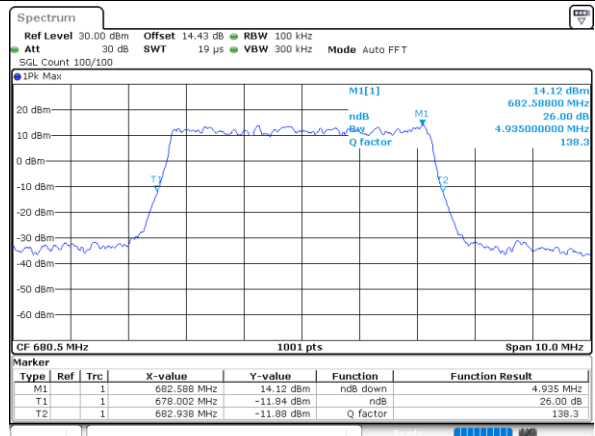
FR1 n71 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



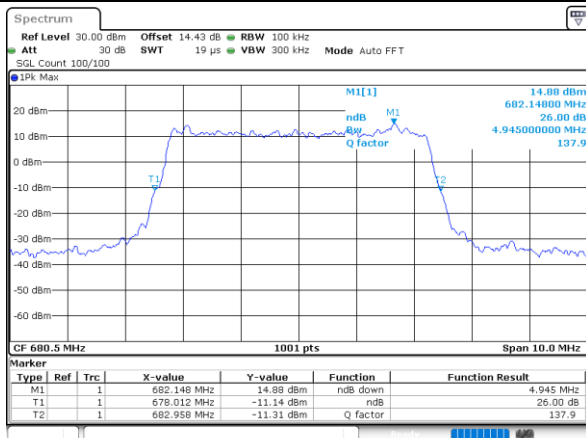
Date: 29_MAR_2021 16:23:05

16QAM



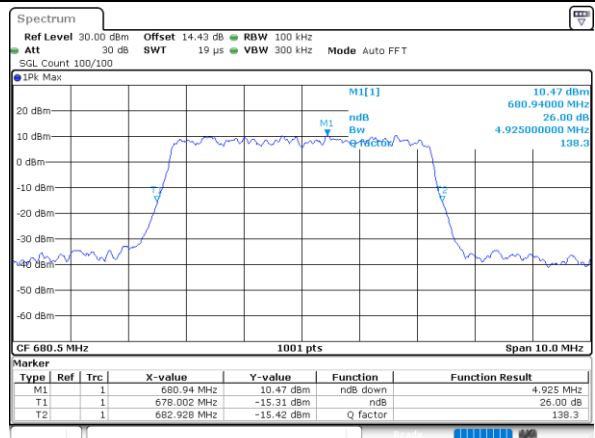
Date: 29_MAR_2021 16:23:22

64QAM



Date: 29_MAR_2021 16:23:36

256QAM

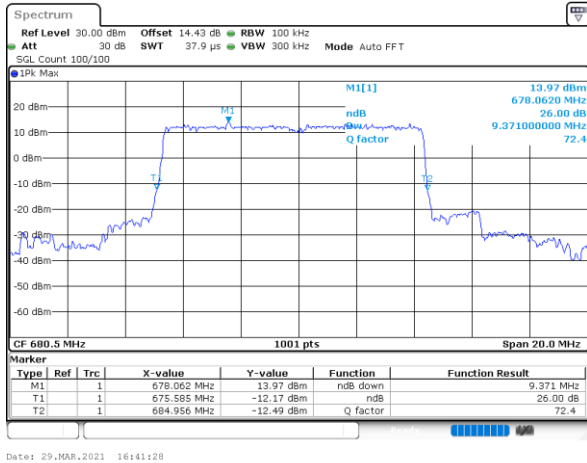


Date: 29_MAR_2021 16:24:01



FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

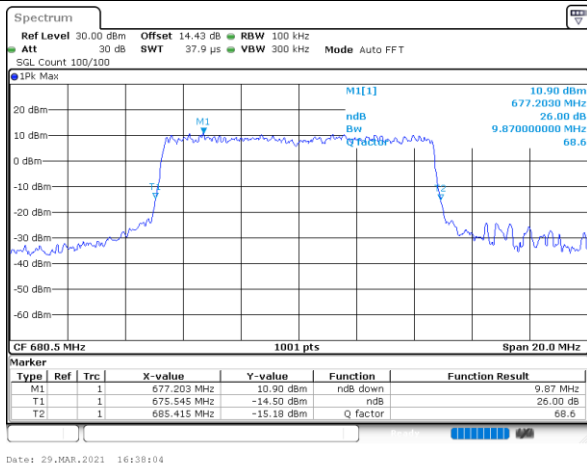
PI/2 BPSK



Date: 29_MAR_2021 16:41:28

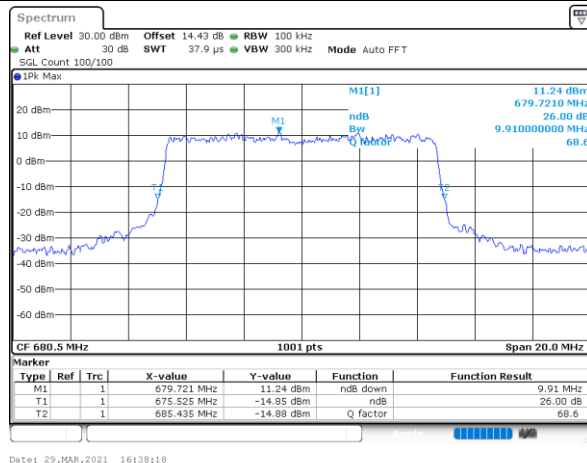
FR1 n71 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



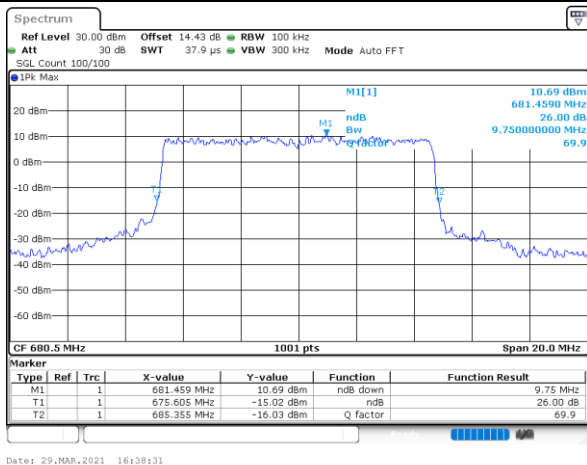
Date: 29_MAR_2021 16:38:04

16QAM



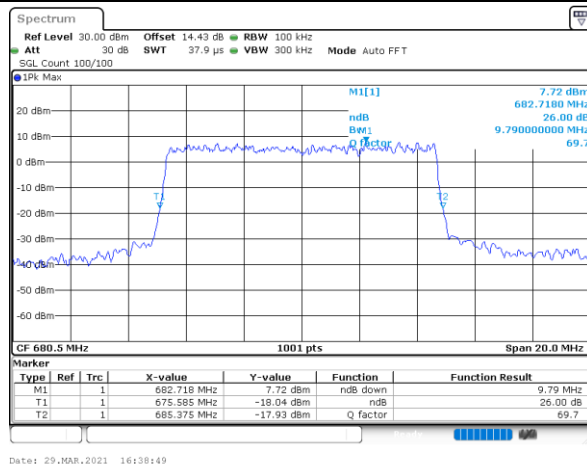
Date: 29_MAR_2021 16:38:18

64QAM



Date: 29_MAR_2021 16:38:33

256QAM

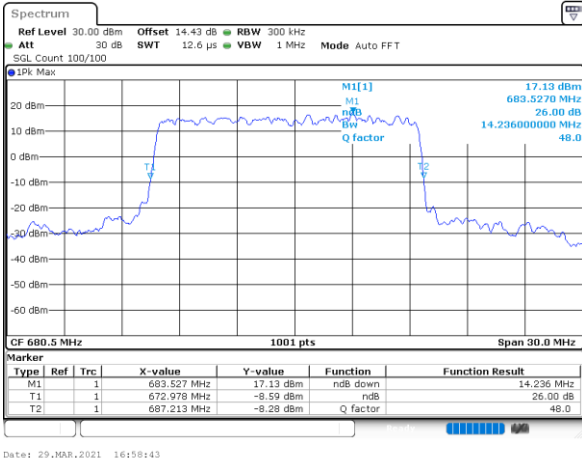


Date: 29_MAR_2021 16:38:49



FR1 n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

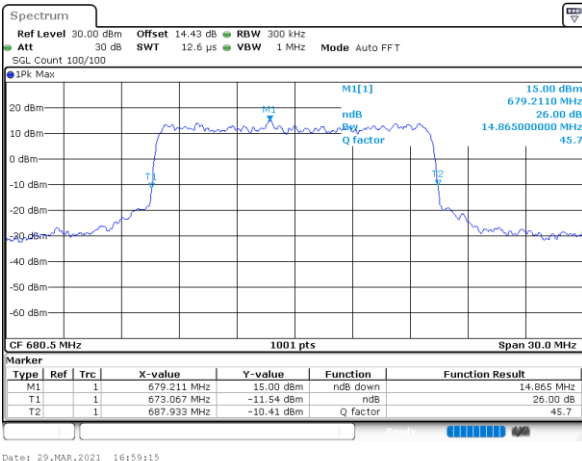
PI/2 BPSK



Date: 29_MAR_2021 16:58:43

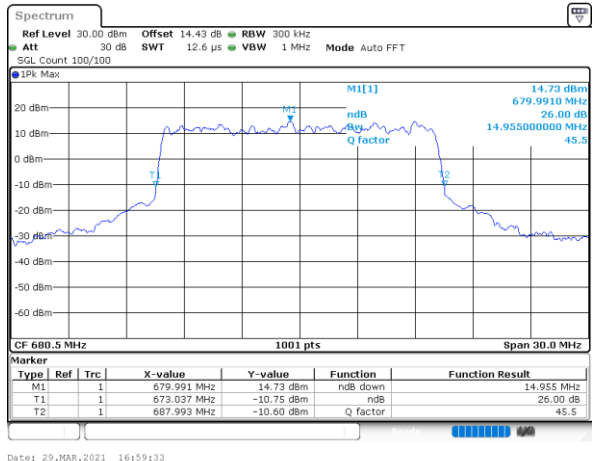
FR1 n71 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



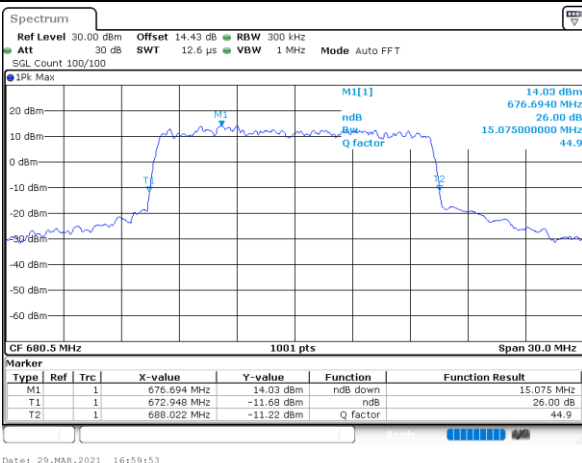
Date: 29_MAR_2021 16:59:15

16QAM



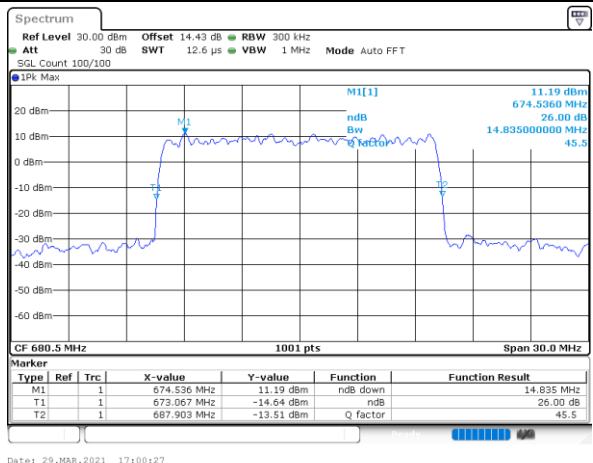
Date: 29_MAR_2021 16:59:13

64QAM



Date: 29_MAR_2021 16:59:53

256QAM

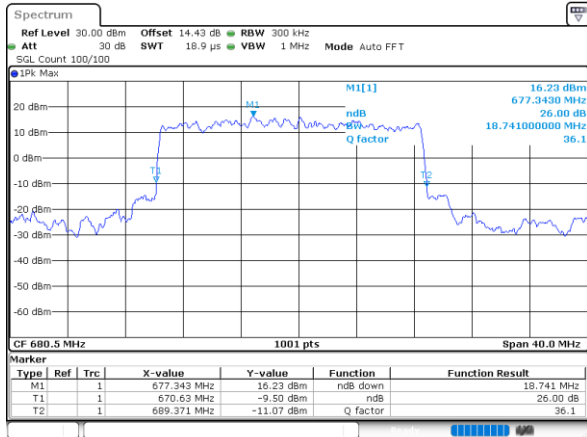


Date: 29_MAR_2021 17:00:27



FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

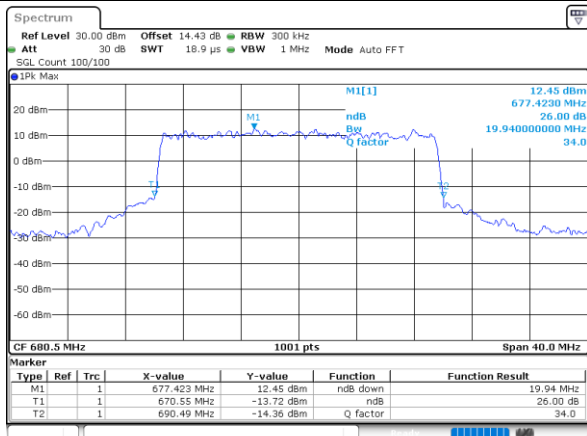
PI/2 BPSK



Date: 29_MAR_2021 17:17:09

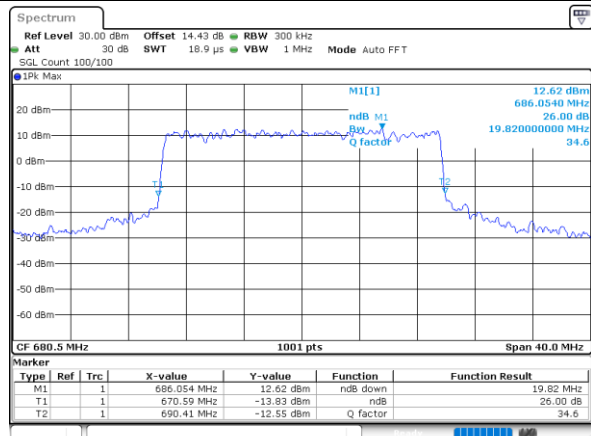
FR1 n71 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



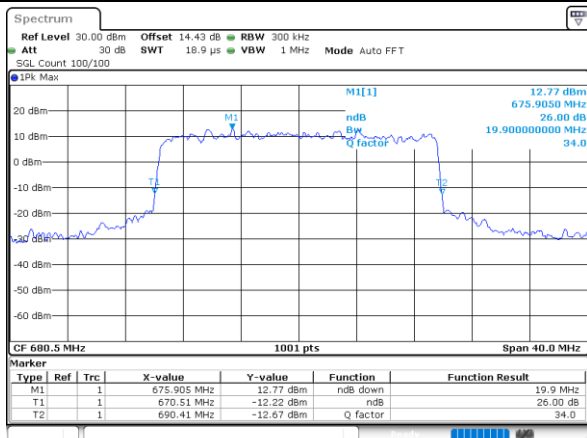
Date: 29_MAR_2021 17:13:53

16QAM



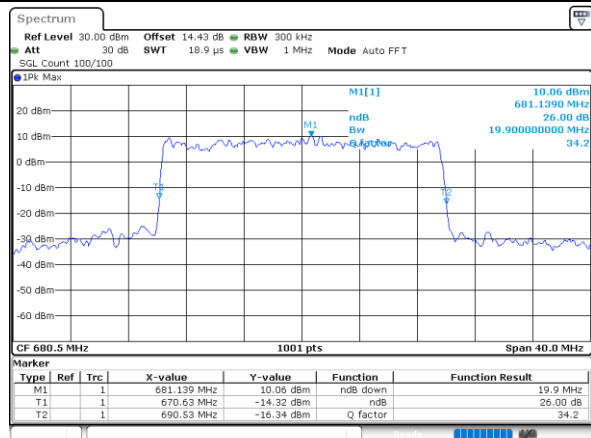
Date: 29_MAR_2021 17:14:12

64QAM



Date: 29_MAR_2021 17:14:27

256QAM



Date: 29_MAR_2021 17:14:48



Occupied Bandwidth

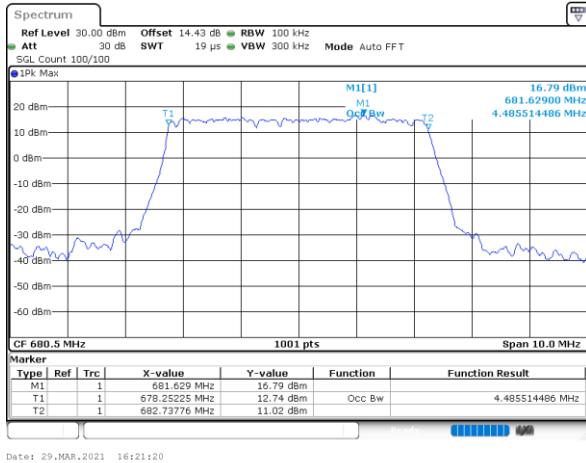
Mode	FR1 n71 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.49		8.89		13.46		17.90	

Mode	FR1 n71 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.47	4.51	9.27	9.25	14.15	14.18	18.86	18.98
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.48	4.49	9.27	9.25	14.12	14.15	18.94	18.90



FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

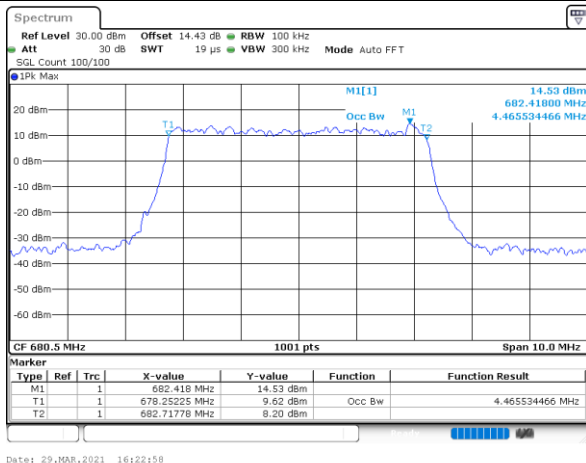
PI/2 BPSK



Date: 29_MAR_2021 16:21:20

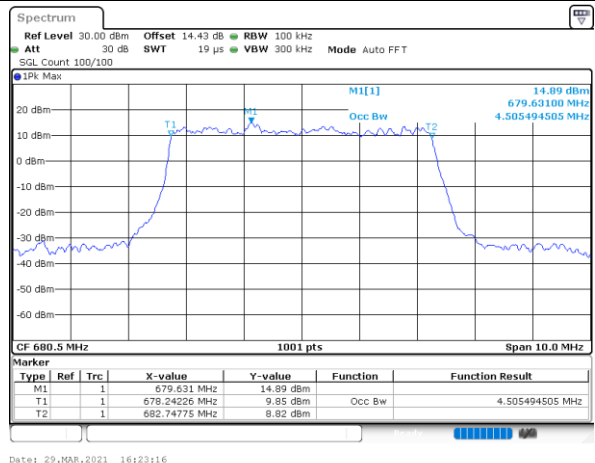
FR1 n71 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



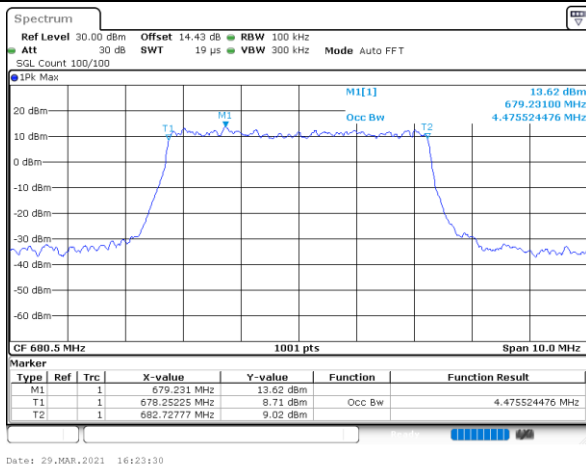
Date: 29_MAR_2021 16:22:58

16QAM



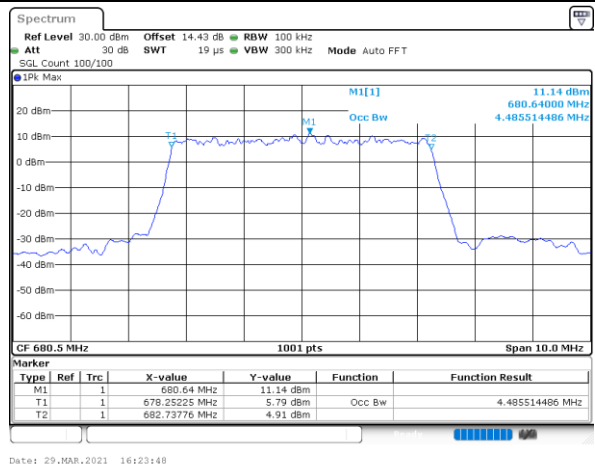
Date: 29_MAR_2021 16:23:16

64QAM



Date: 29_MAR_2021 16:23:30

256QAM

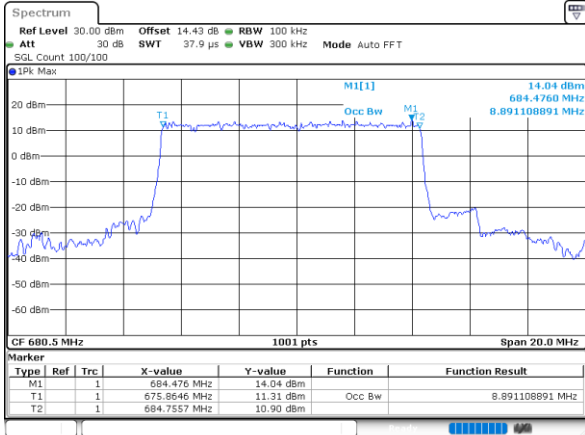


Date: 29_MAR_2021 16:23:48



FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

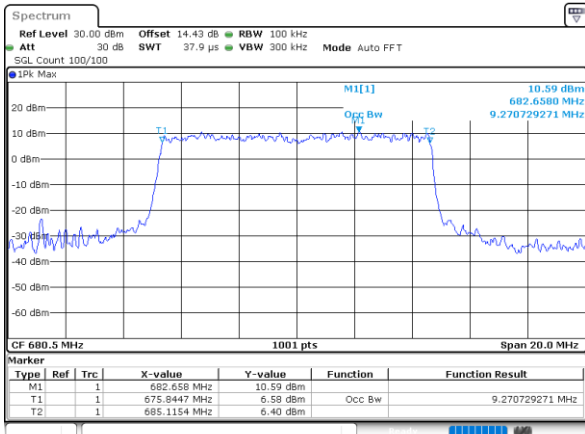
PI/2 BPSK



Date: 29_MAR_2021 16:41:23

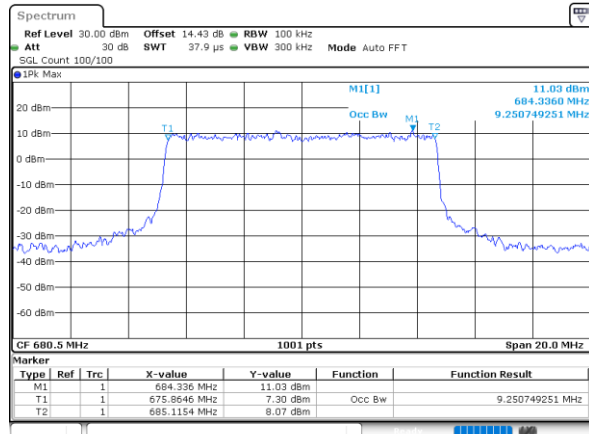
FR1 n71 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



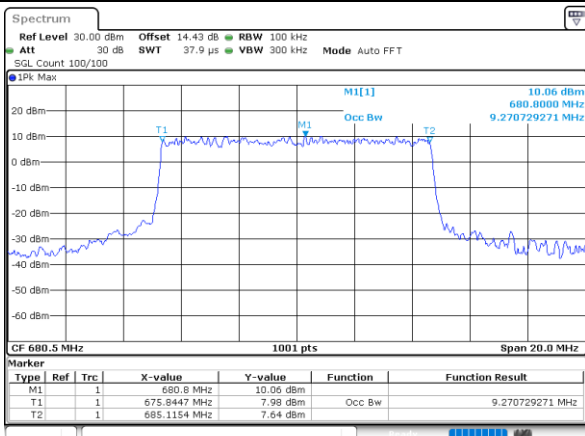
Date: 29_MAR_2021 16:37:57

16QAM



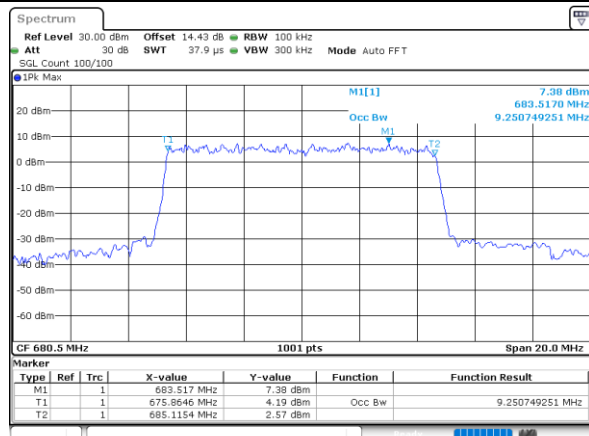
Date: 29_MAR_2021 16:38:12

64QAM



Date: 29_MAR_2021 16:38:25

256QAM

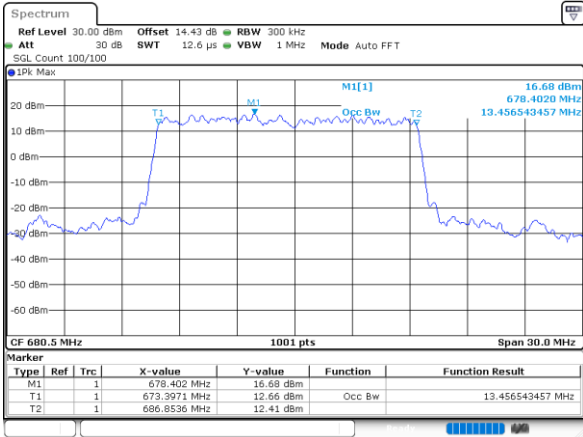


Date: 29_MAR_2021 16:38:42



FR1 n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

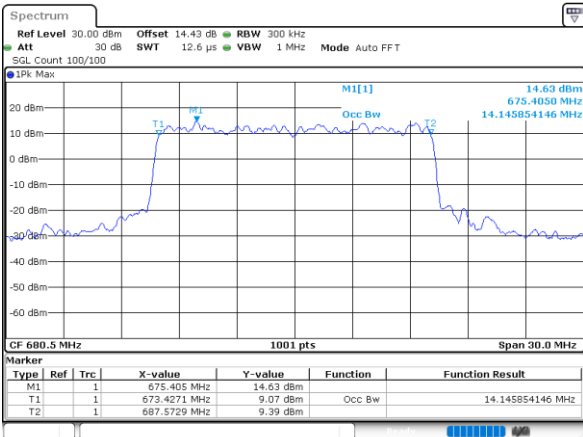
PI/2 BPSK



Date: 29_MAR_2021 16:58:34

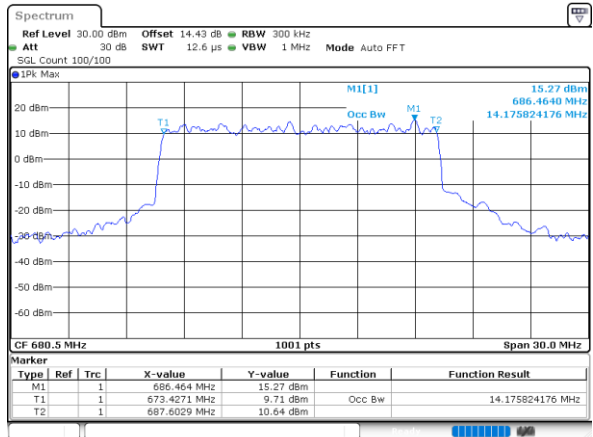
FR1 n71 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



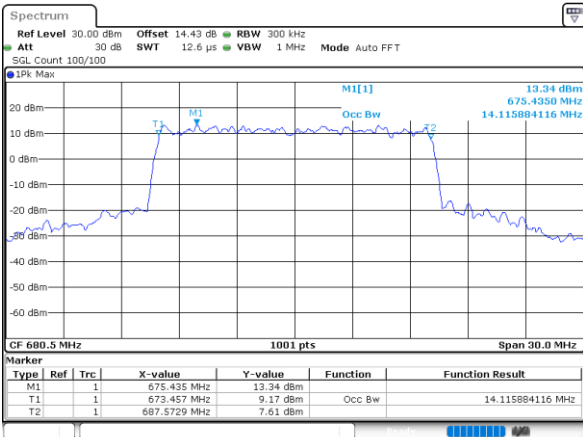
Date: 29_MAR_2021 16:59:08

16QAM



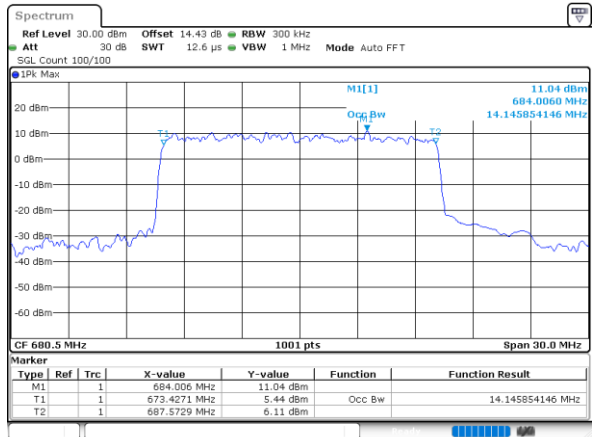
Date: 29_MAR_2021 16:59:26

64QAM



Date: 29_MAR_2021 16:59:46

256QAM

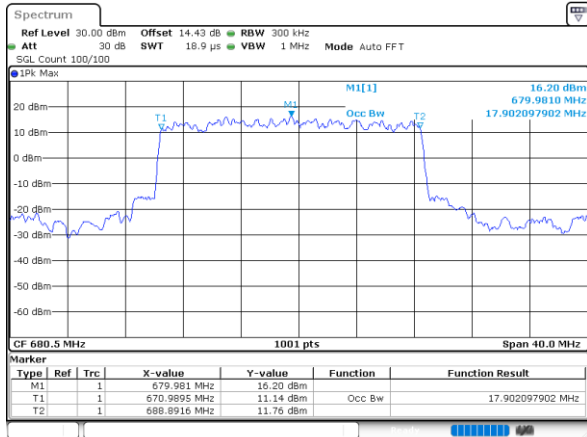


Date: 29_MAR_2021 17:00:13



FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

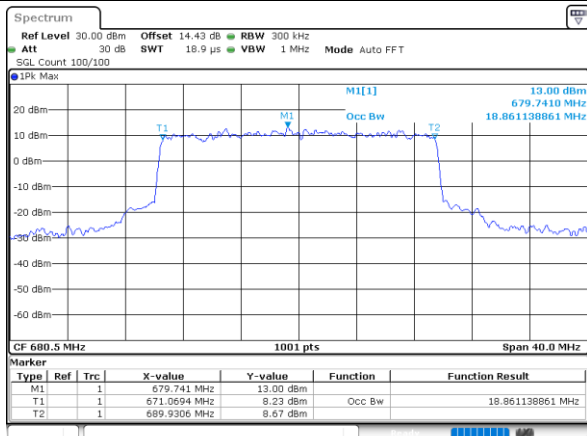
PI/2 BPSK



Date: 29_MAR_2021 17:17:04

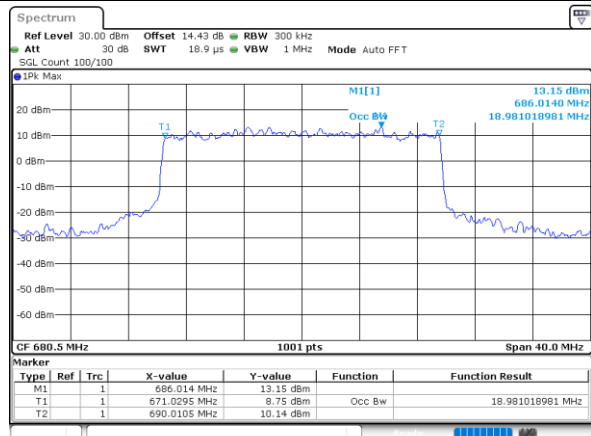
FR1 n71 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



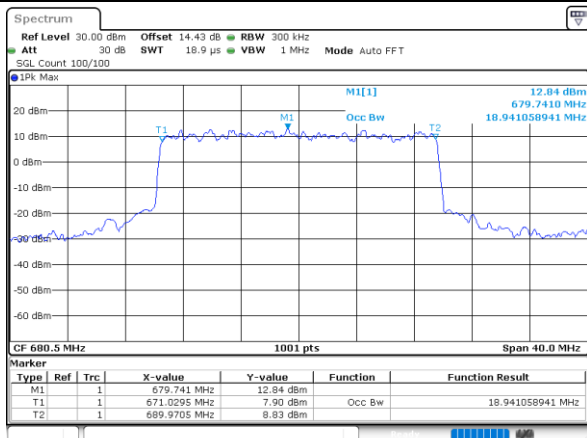
Date: 29_MAR_2021 17:13:45

16QAM



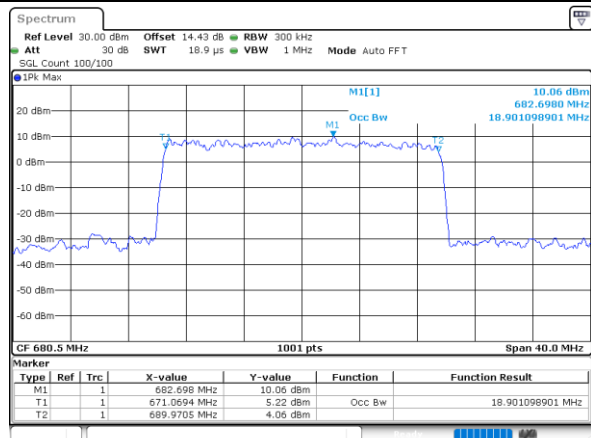
Date: 29_MAR_2021 17:14:03

64QAM



Date: 29_MAR_2021 17:14:21

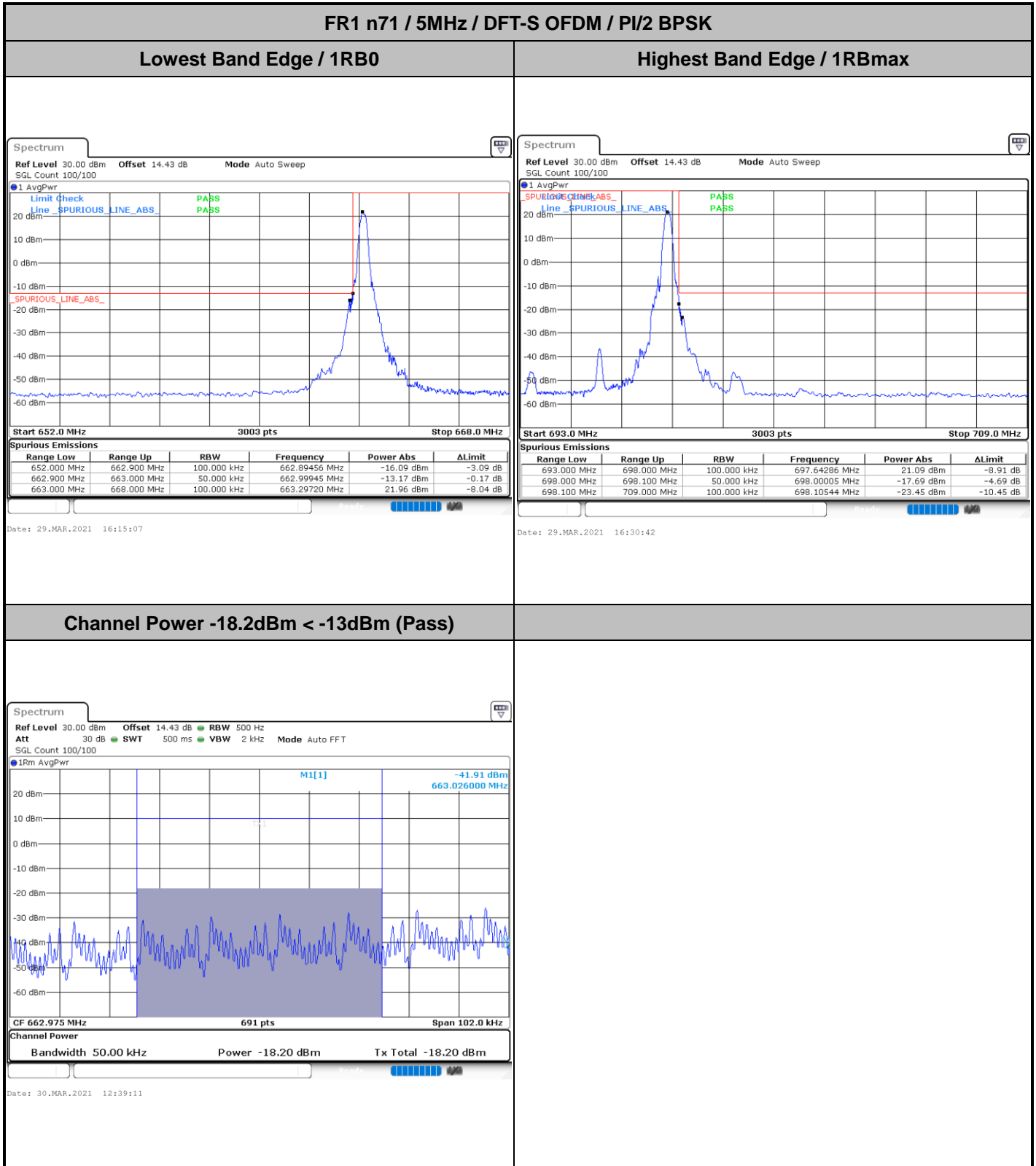
256QAM

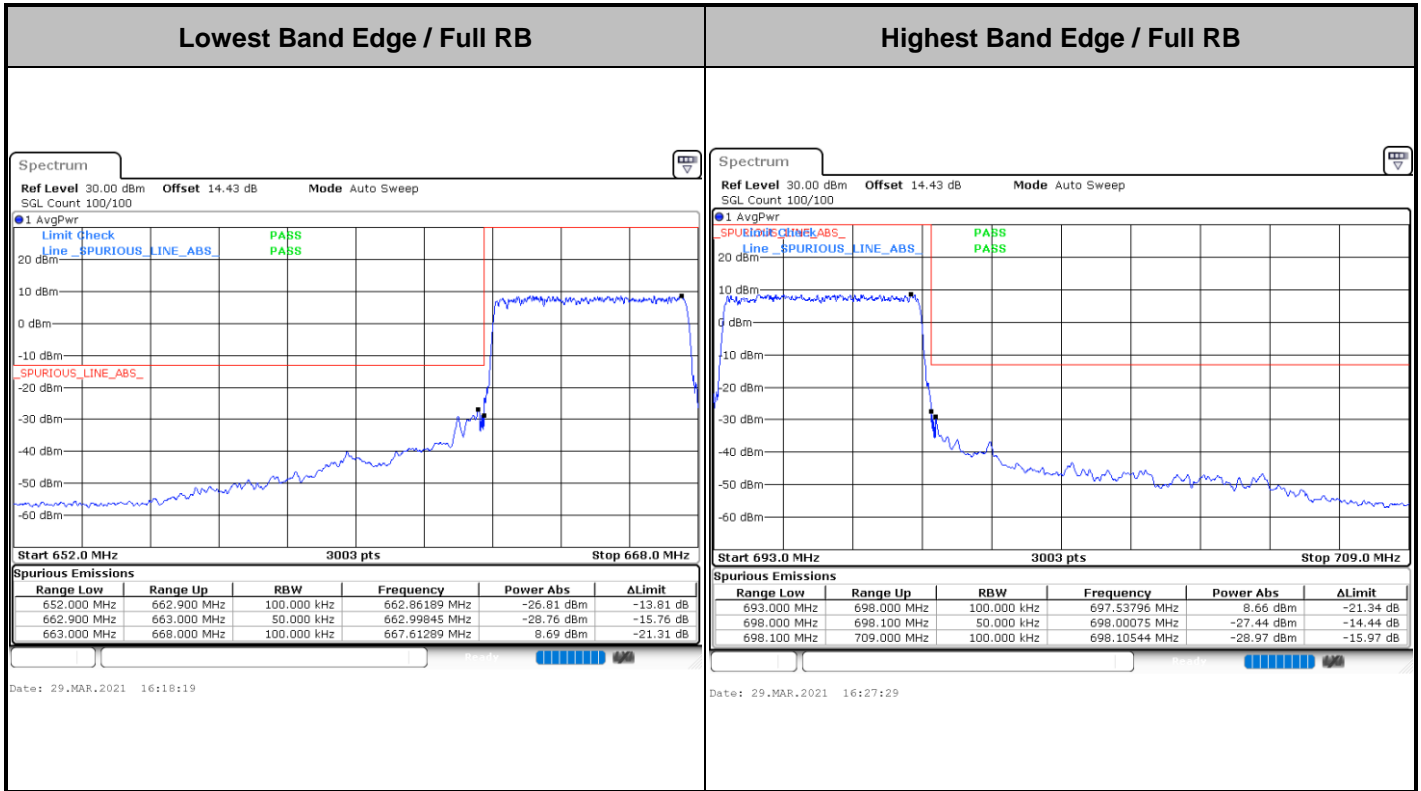


Date: 29_MAR_2021 17:14:42



Conducted Band Edge



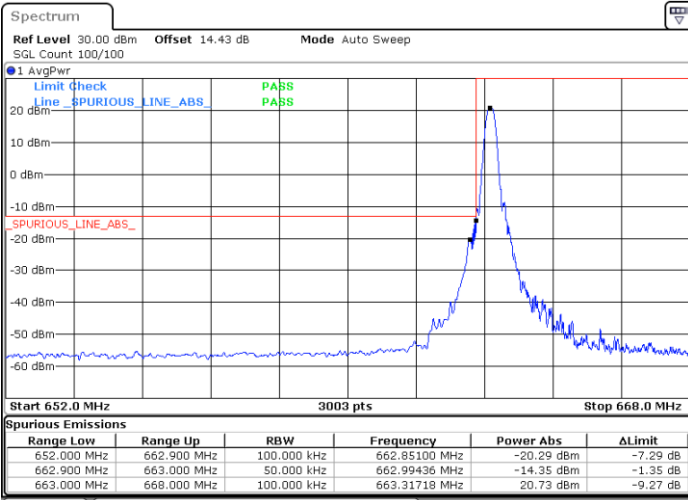




FR1 n71 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

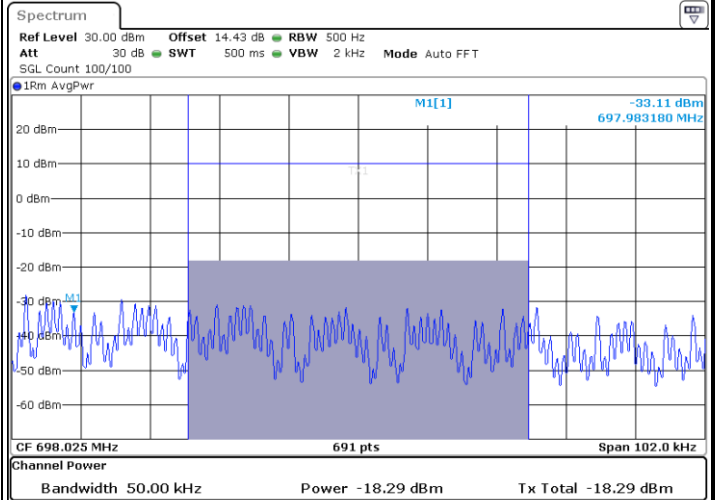
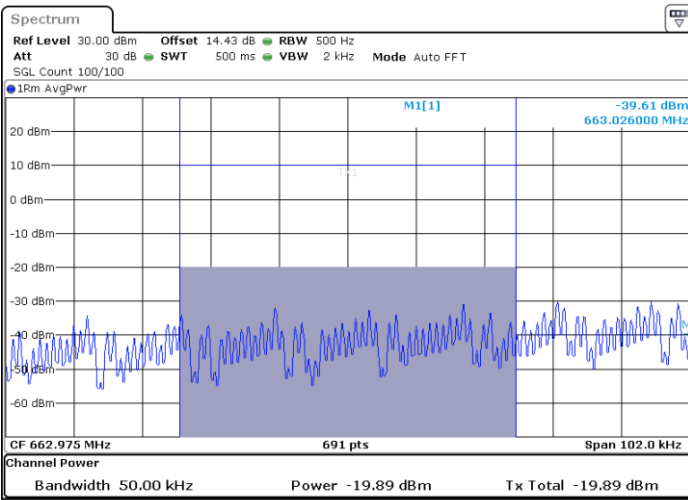


Date: 29.MAR.2021 16:15:27

Date: 29.MAR.2021 16:30:20

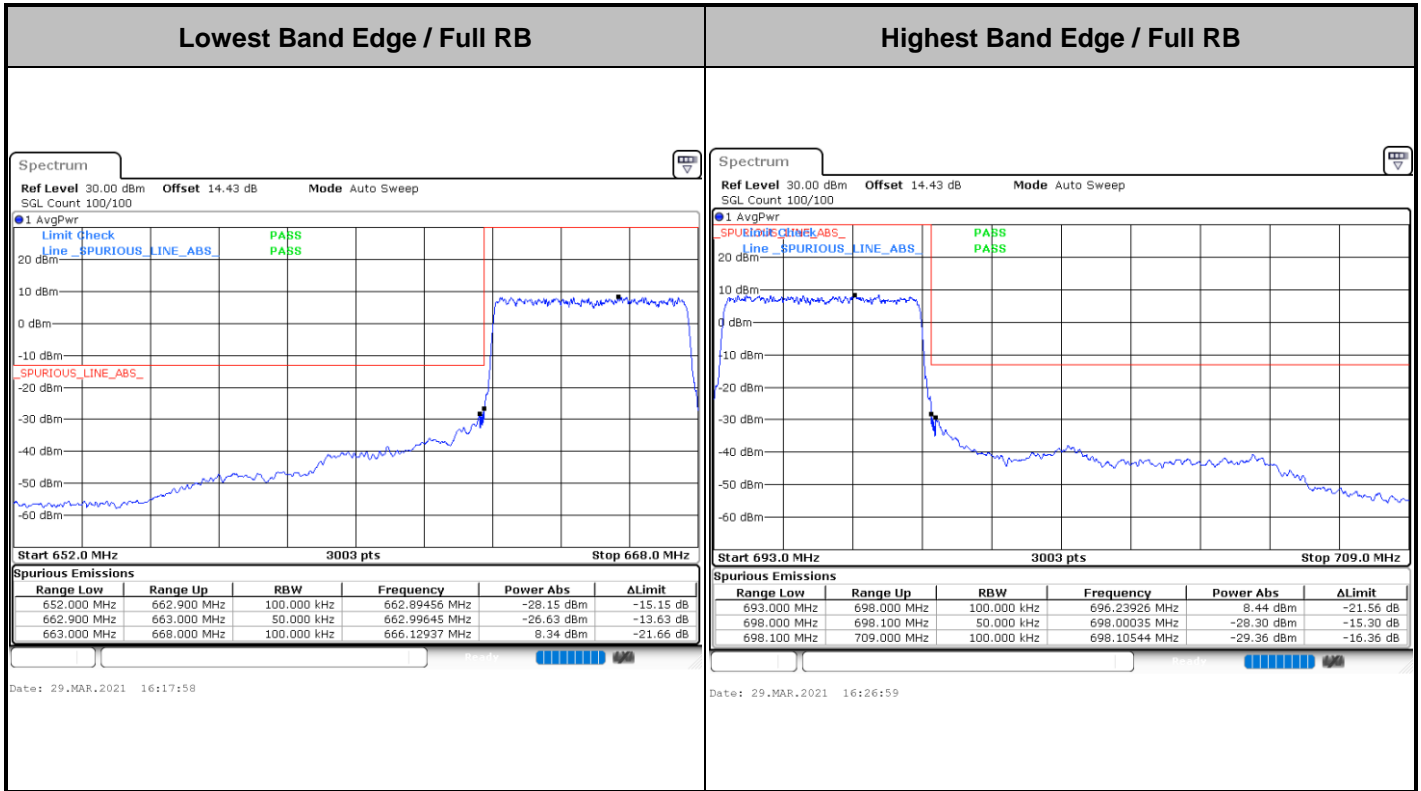
Channel Power -19.89dBm < -13dBm (Pass)

Channel Power -18.29dBm < -13dBm (Pass)



Date: 30.MAR.2021 12:42:07

Date: 30.MAR.2021 12:46:36

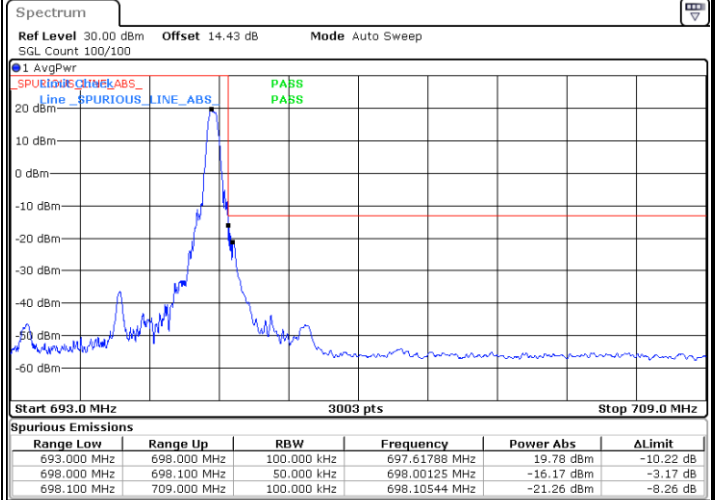
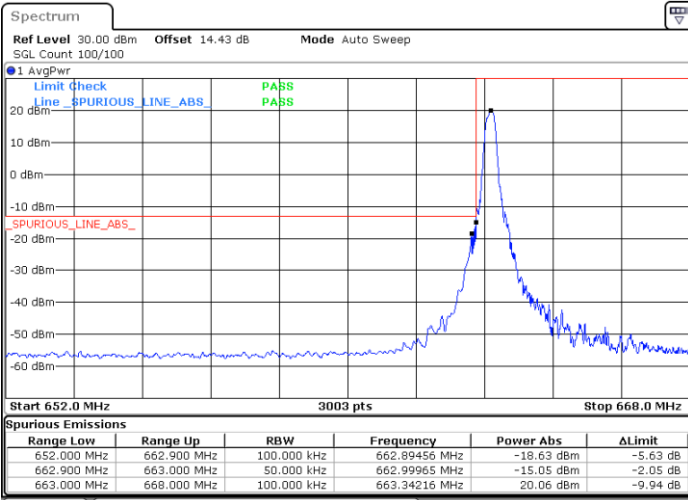




FR1 n71 / 5MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

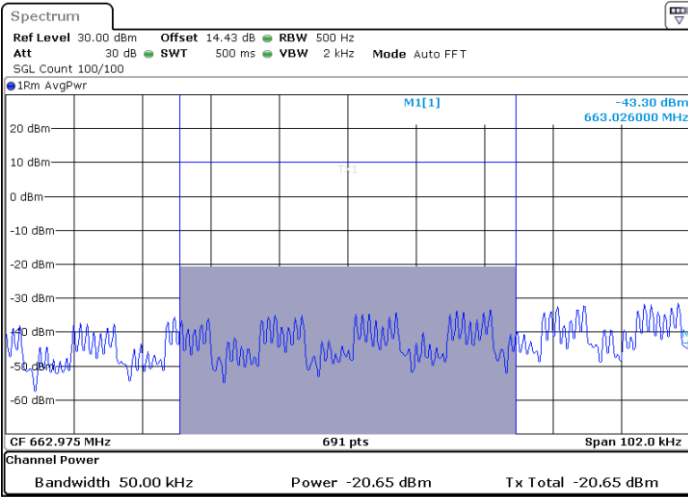
Highest Band Edge / 1RBmax



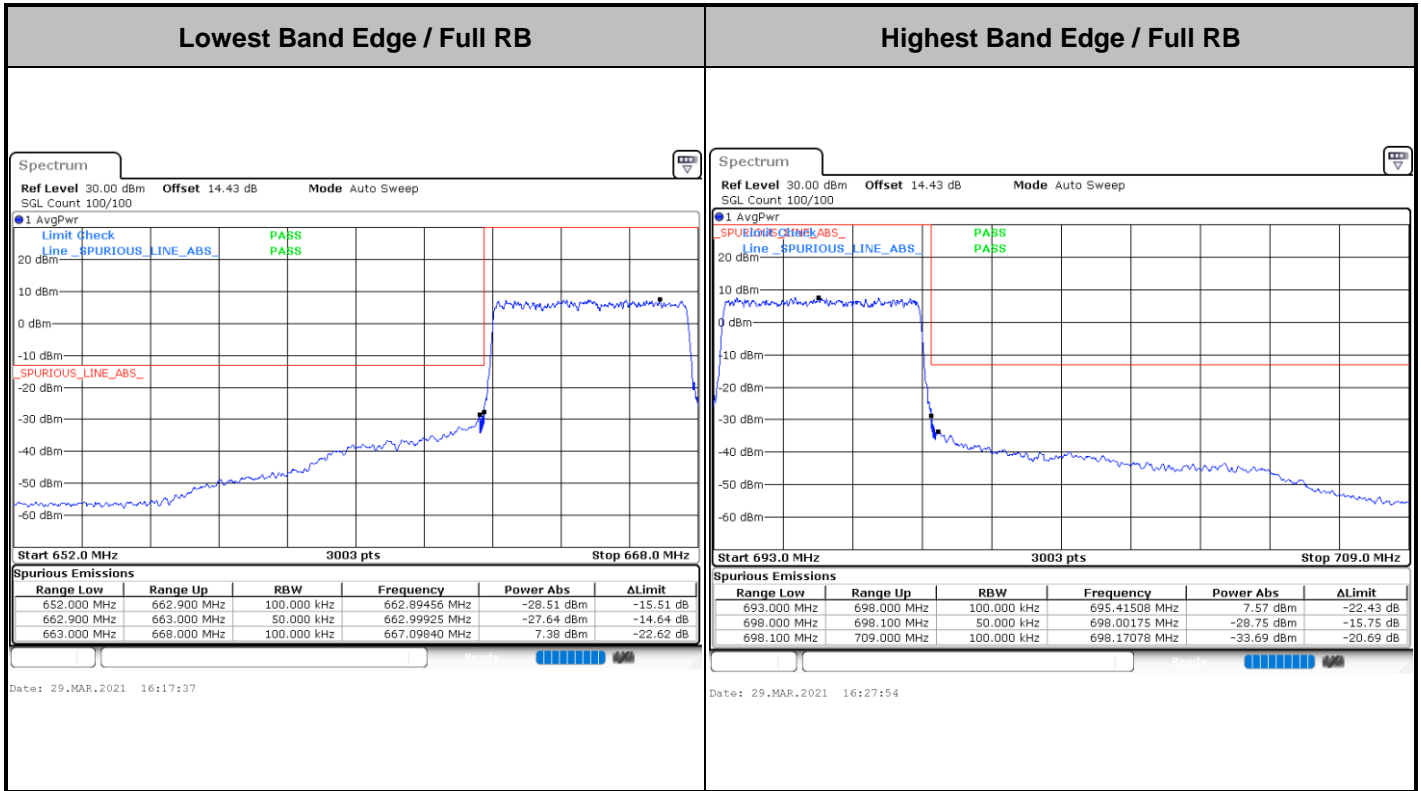
Date: 29.MAR.2021 16:15:49

Date: 29.MAR.2021 16:29:59

Channel Power -20.65dBm < -13dBm (Pass)



Date: 30.MAR.2021 12:43:24

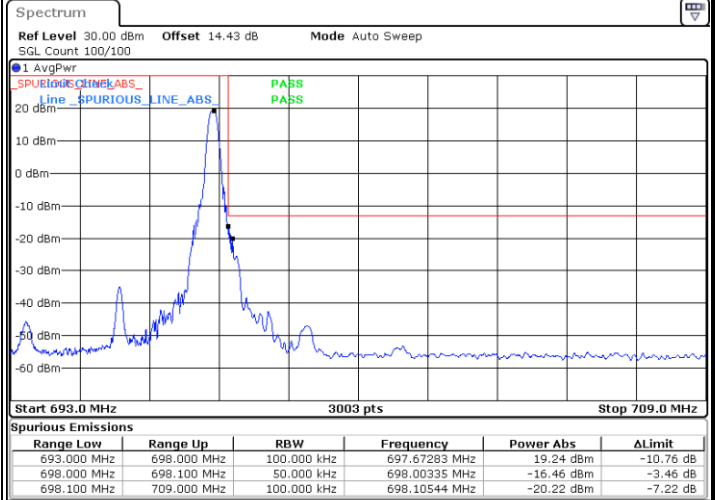
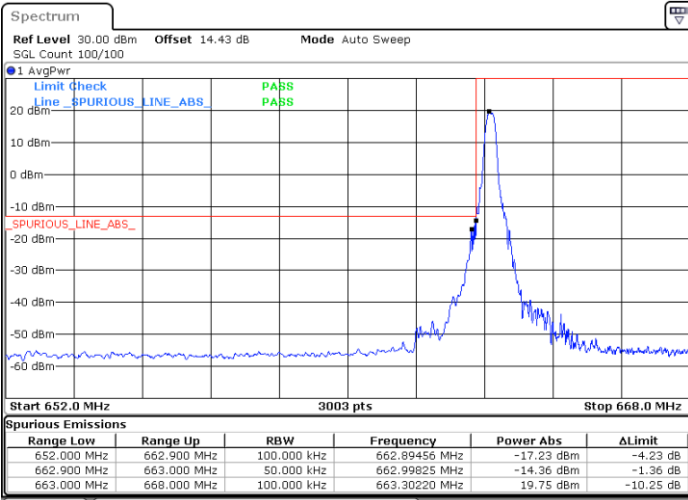




FR1 n71 / 5MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

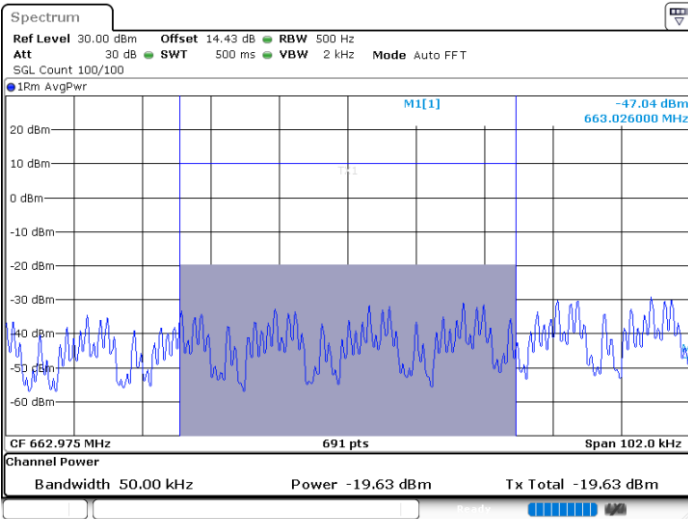
Highest Band Edge / 1RBmax



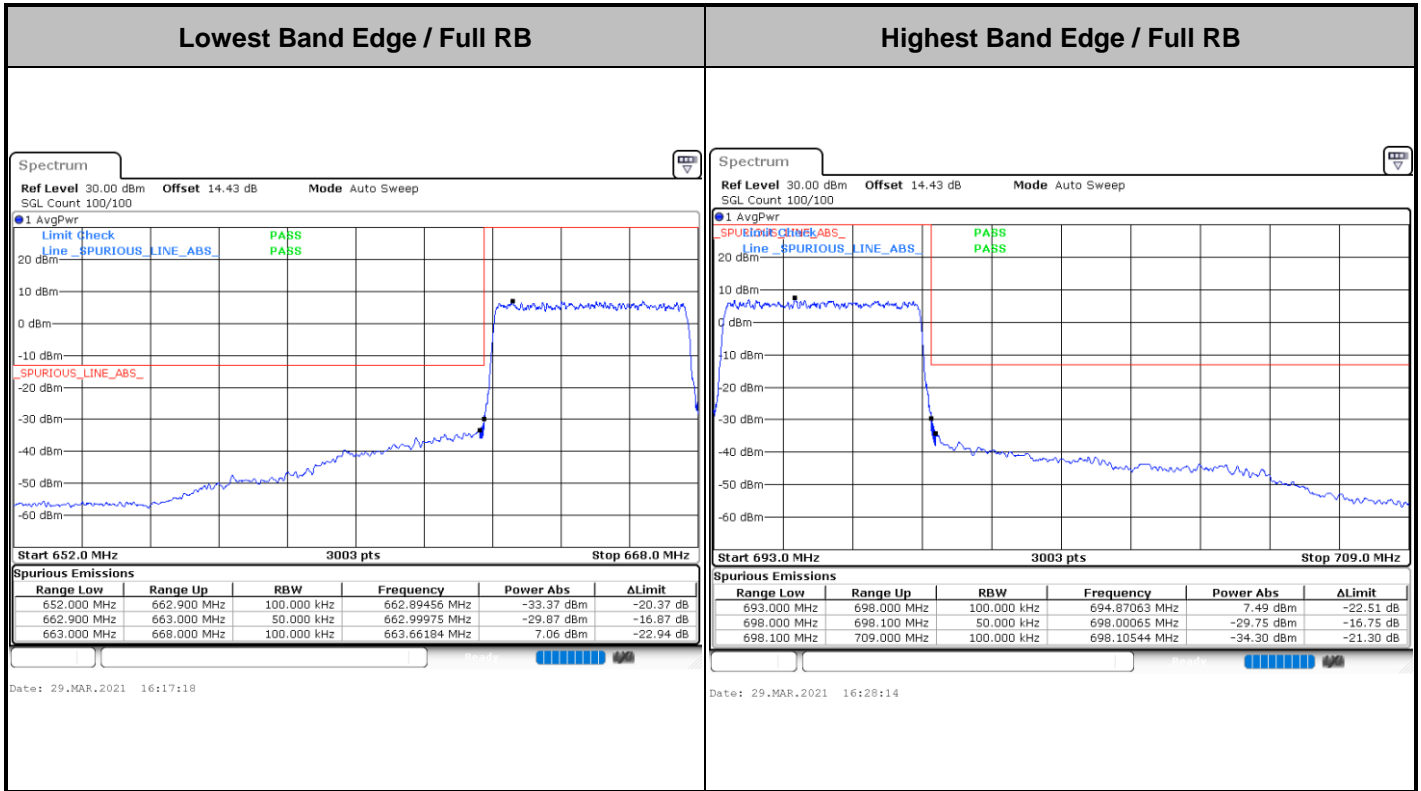
Date: 29.MAR.2021 16:16:10

Date: 29.MAR.2021 16:29:42

Channel Power -19.63dBm < -13dBm (Pass)



Date: 30.MAR.2021 12:44:24

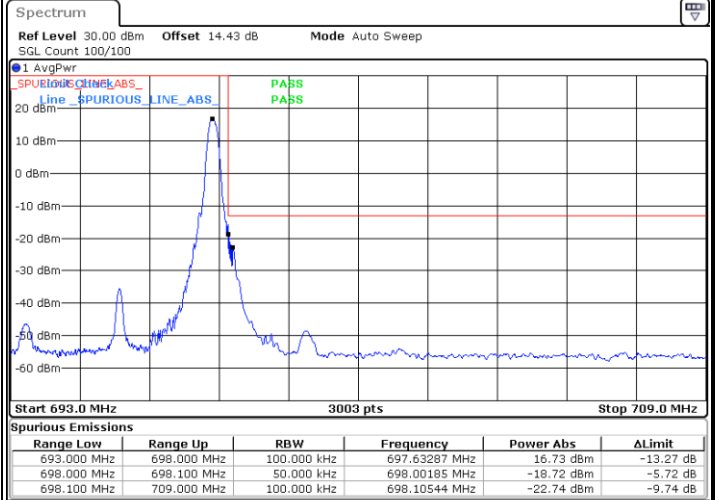
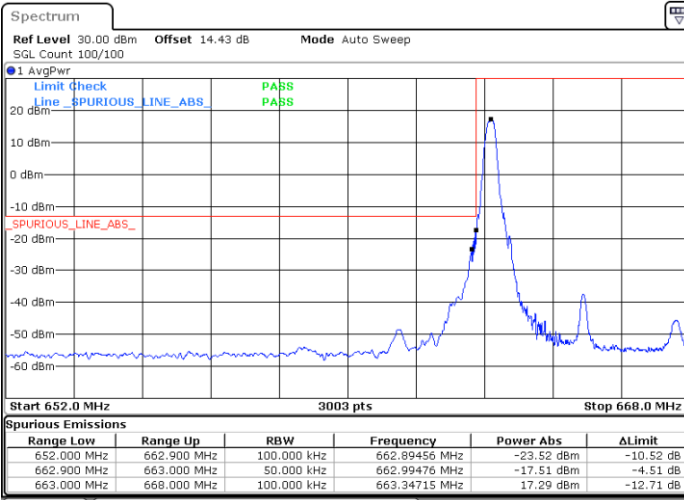




FR1 n71 / 5MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

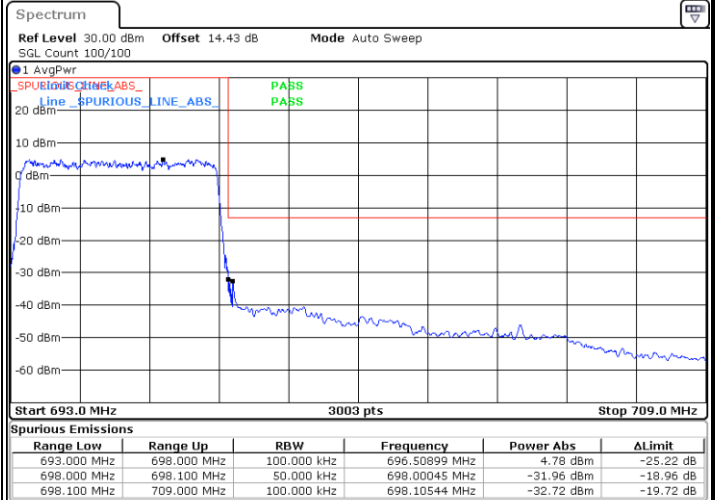
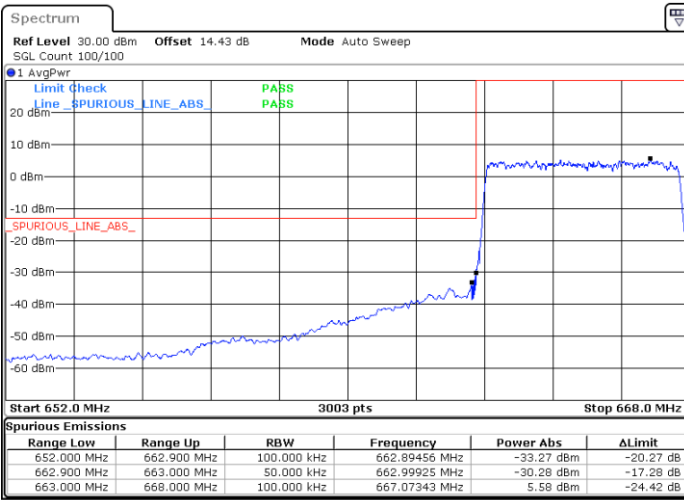


Date: 29.MAR.2021 16:16:39

Date: 29.MAR.2021 16:29:12

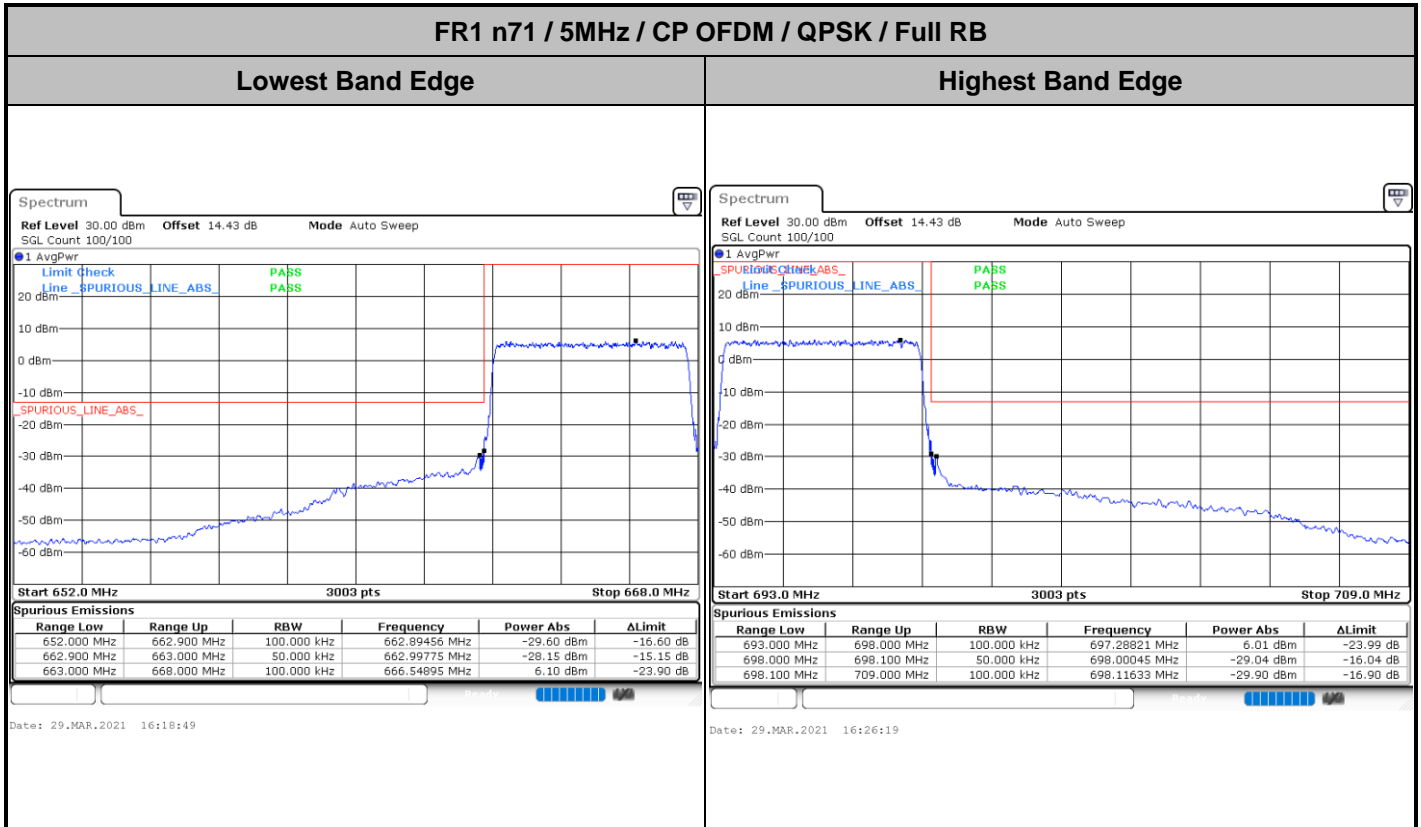
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29.MAR.2021 16:16:57

Date: 29.MAR.2021 16:28:42

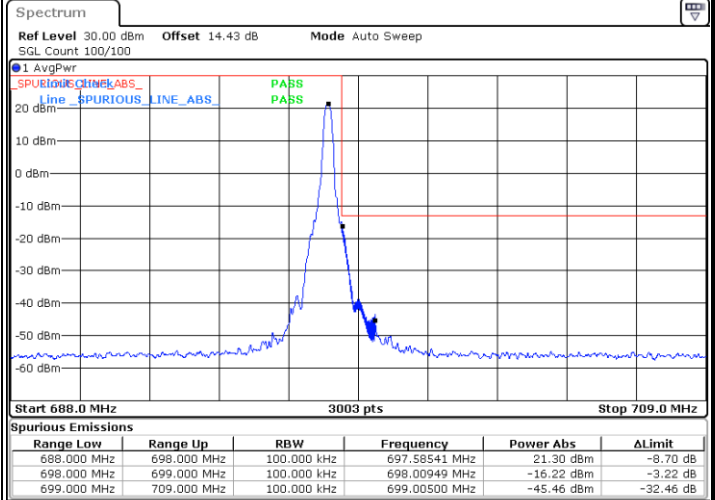
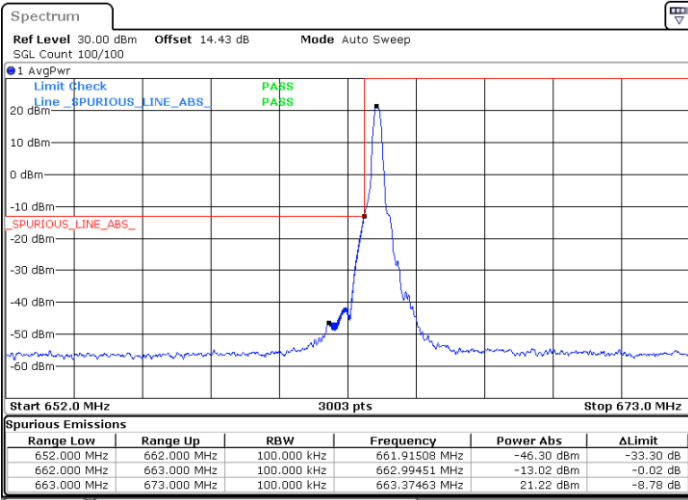




FR1 n71 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

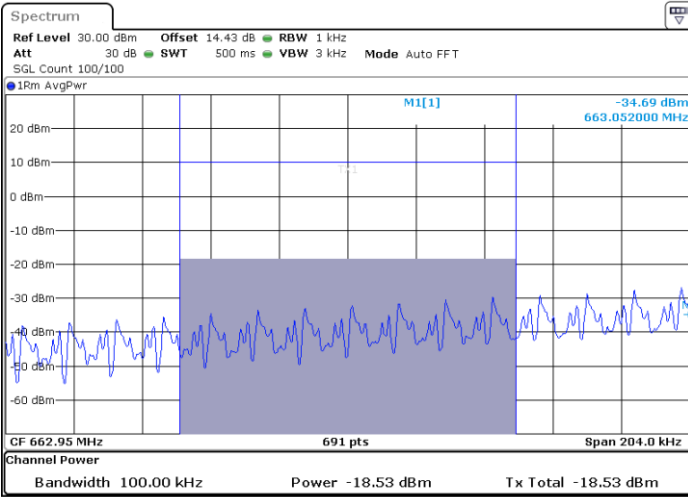
Highest Band Edge / 1RBmax



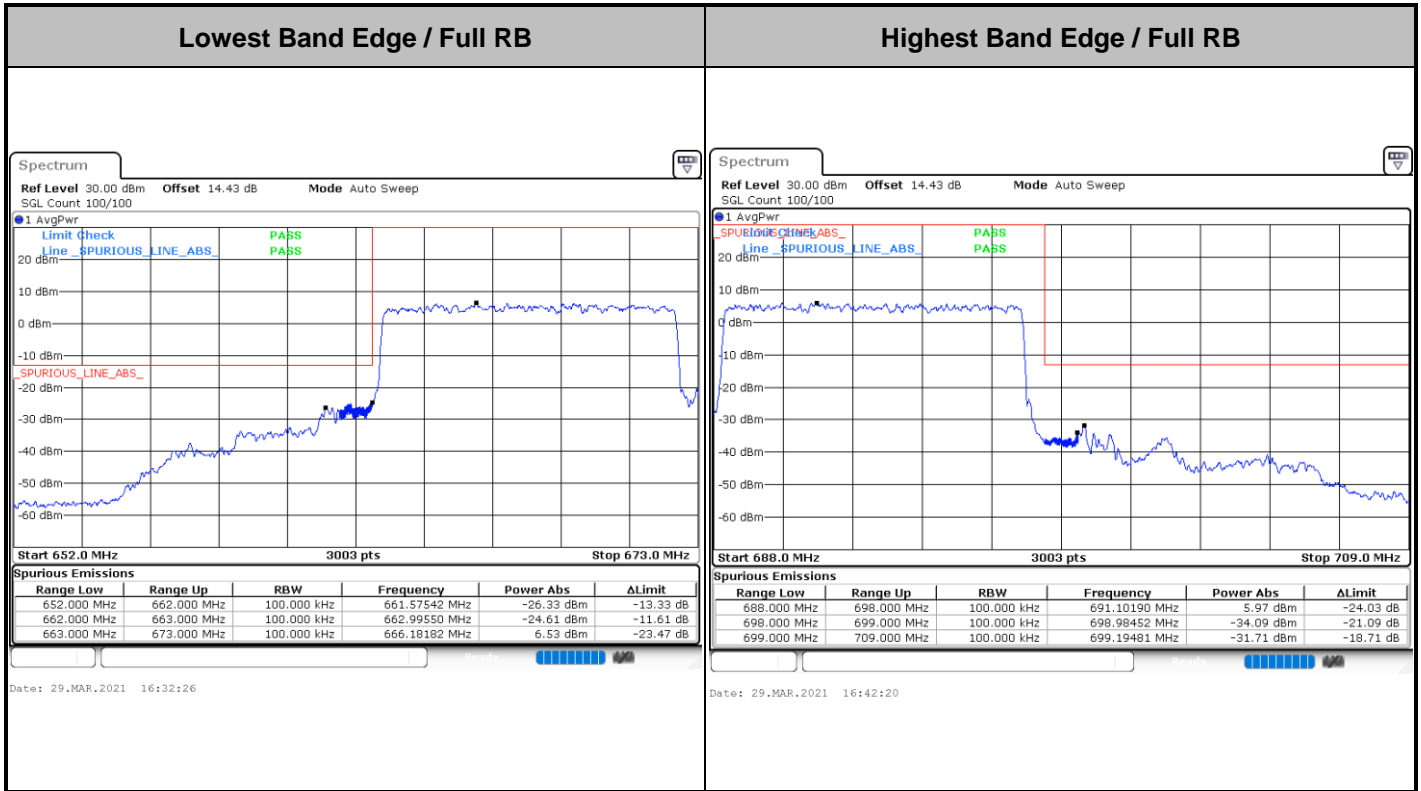
Date: 29.MAR.2021 16:36:42

Date: 29.MAR.2021 16:46:02

Channel Power -18.53dBm < -13dBm (Pass)



Date: 30.MAR.2021 12:29:16

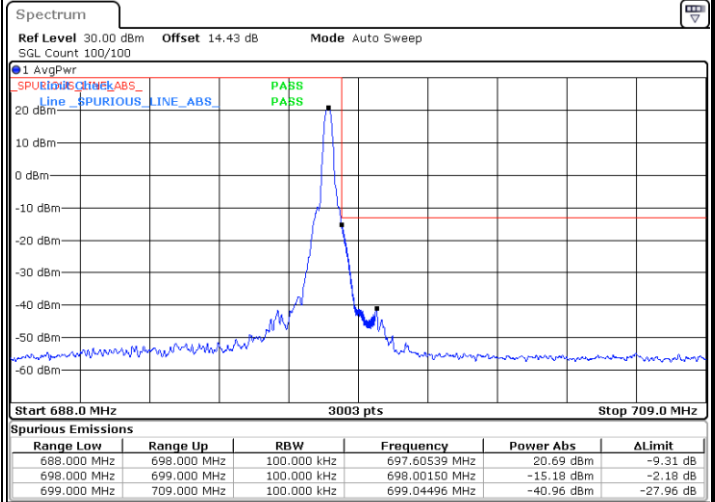
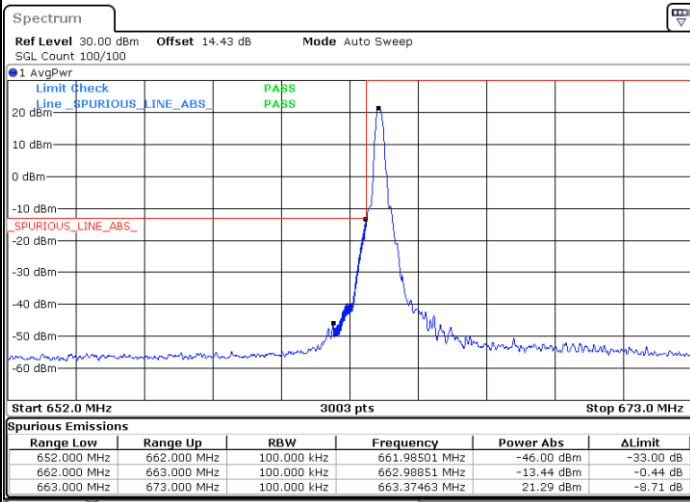




FR1 n71 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

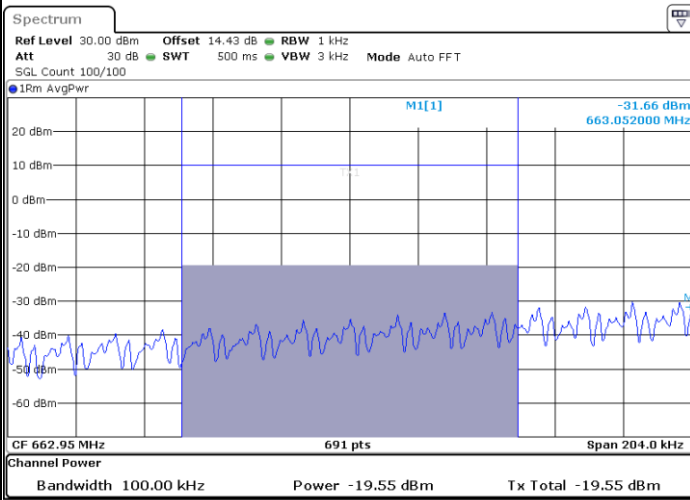


Date: 29.MAR.2021 16:35:57

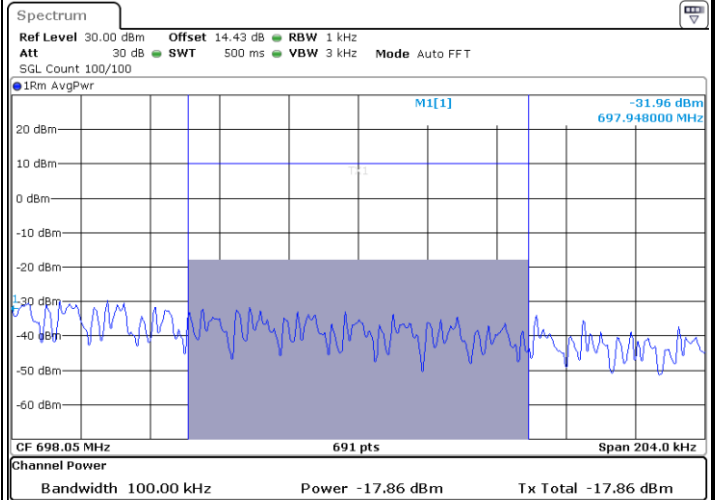
Date: 29.MAR.2021 16:45:37

Channel Power -19.55dBm < -13dBm (Pass)

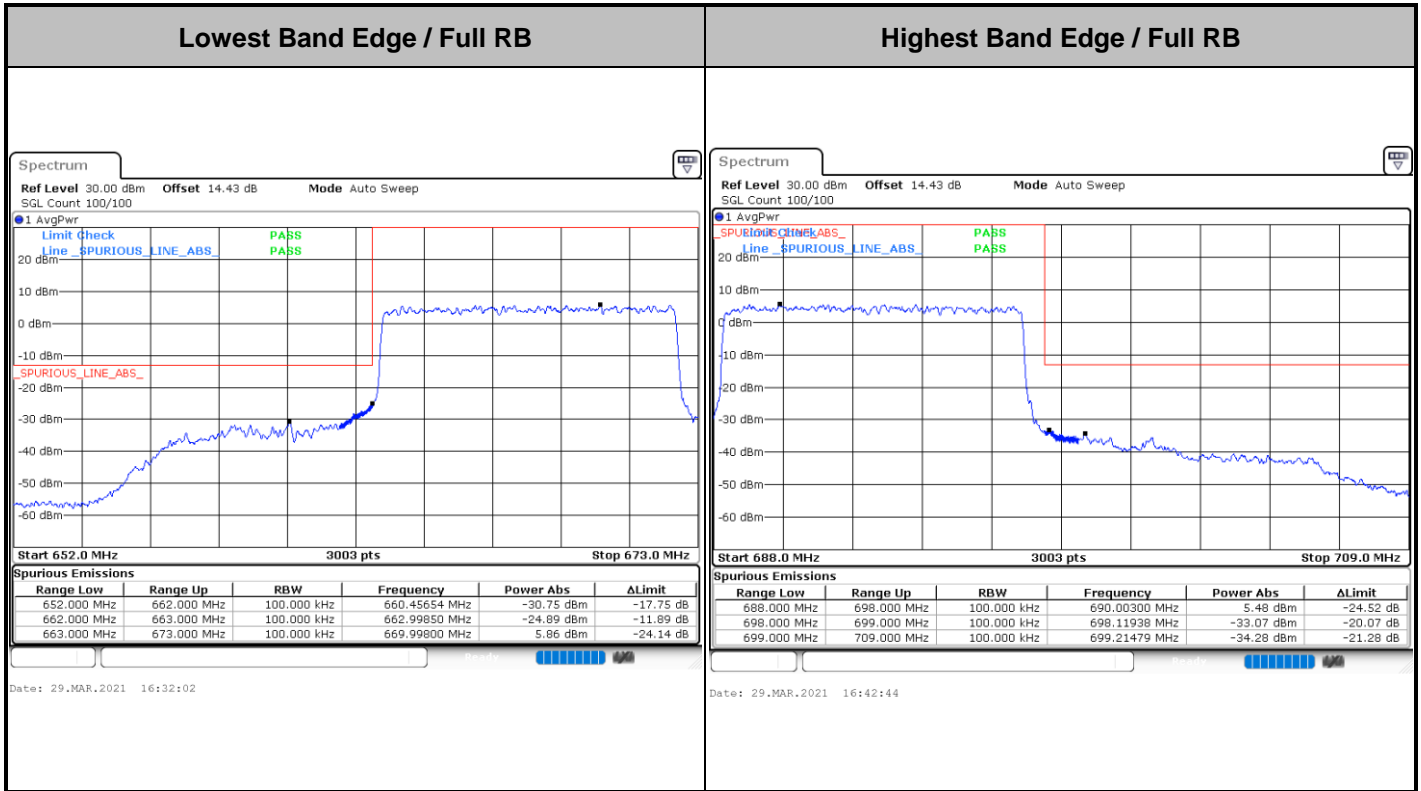
Channel Power -17.86dBm < -13dBm (Pass)



Date: 30.MAR.2021 12:30:18



Date: 30.MAR.2021 12:36:28

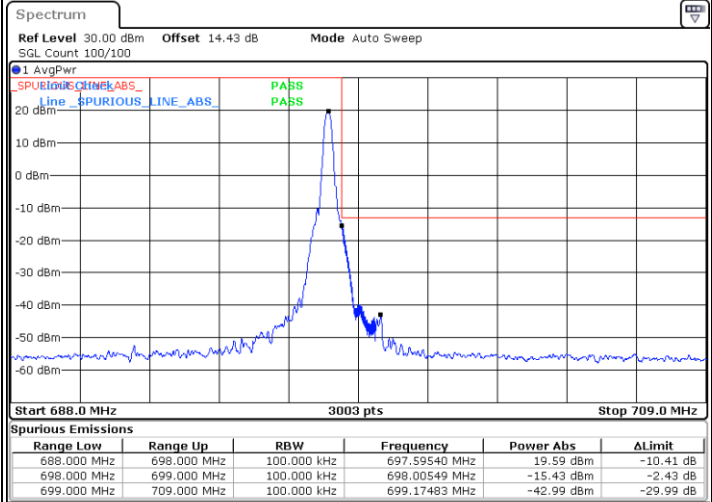
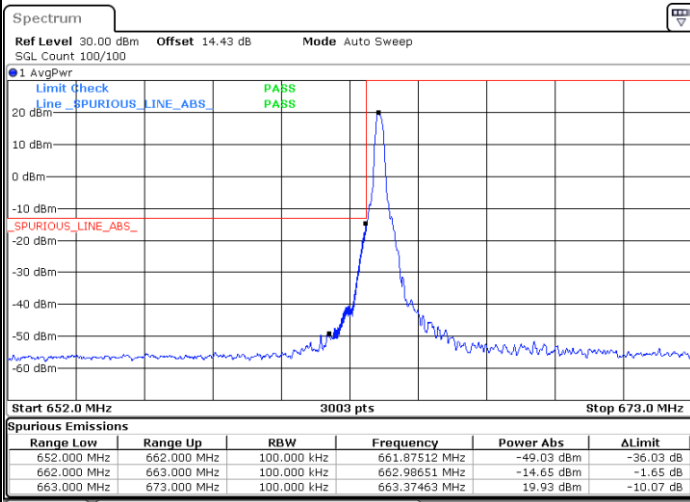




FR1 n71 / 10MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

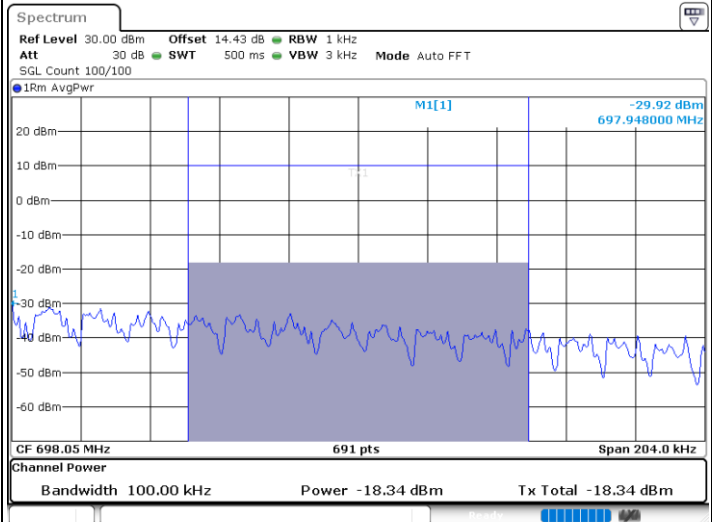
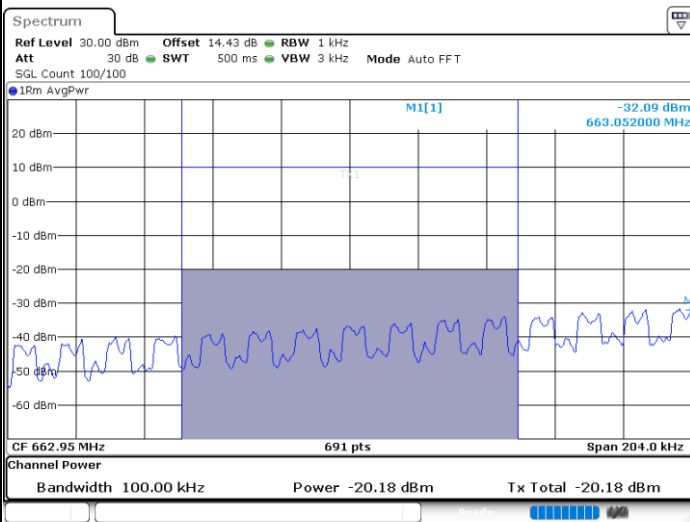


Date: 29.MAR.2021 16:35:20

Date: 29.MAR.2021 16:45:13

Channel Power -20.18dBm < -13dBm (Pass)

Channel Power -18.34dBm < -13dBm (Pass)



Date: 30.MAR.2021 12:31:17

Date: 30.MAR.2021 12:35:29

