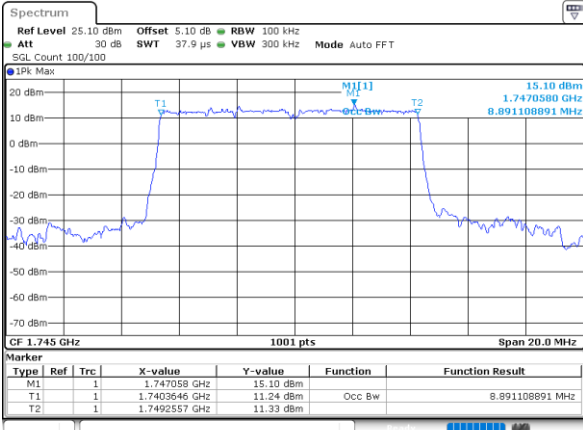




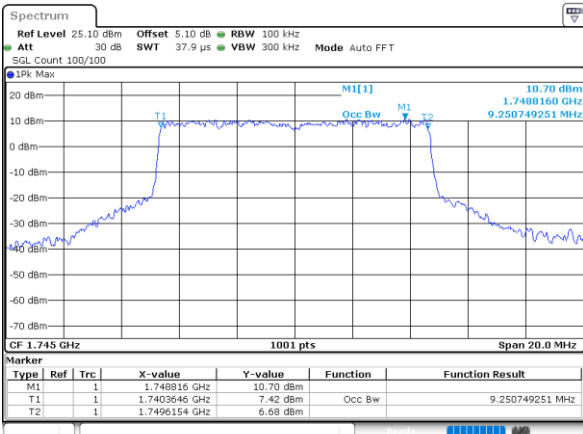
FR1 n66 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

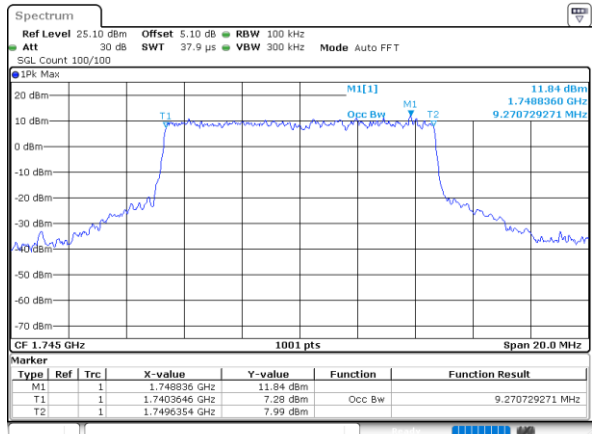


FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB

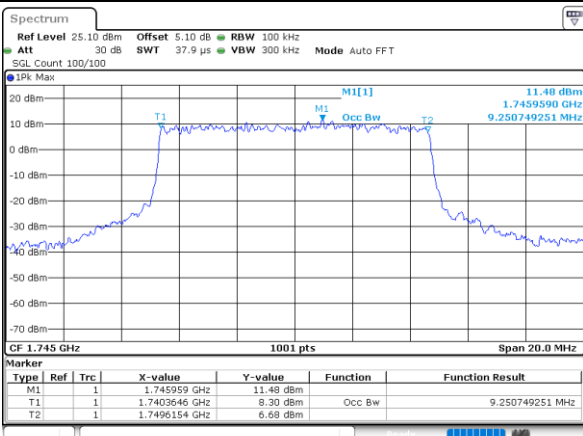
QPSK



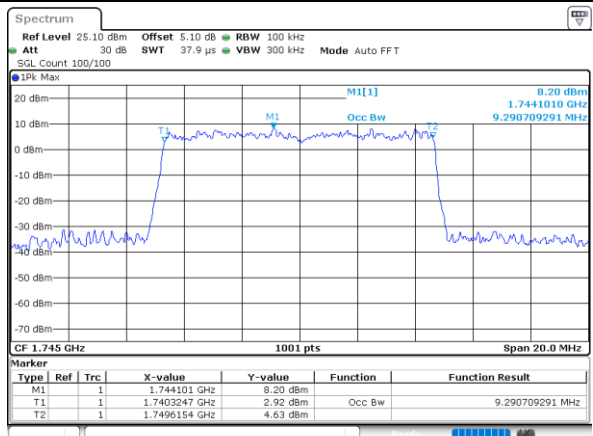
16QAM



64QAM



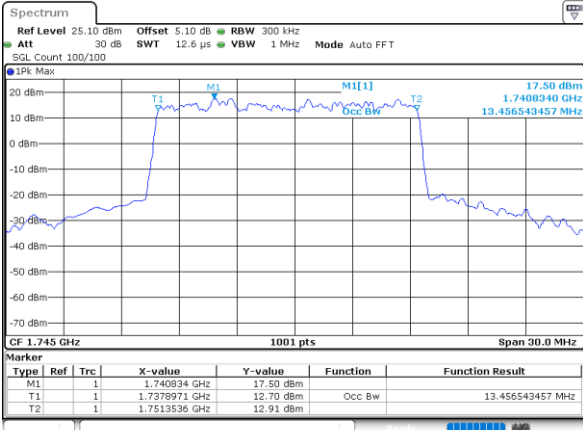
256QAM





FR1 n66 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

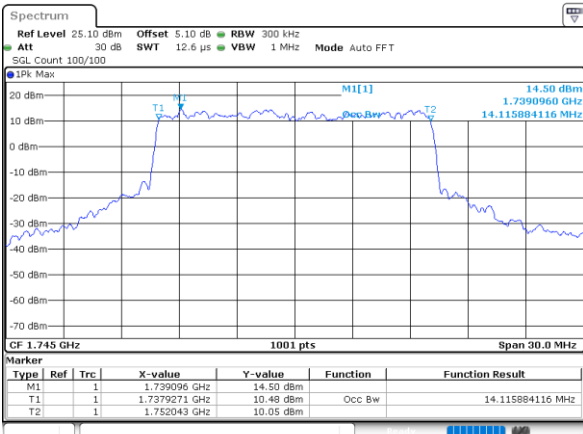
PI/2 BPSK



Date: 25. DEC. 2020 17:57:42

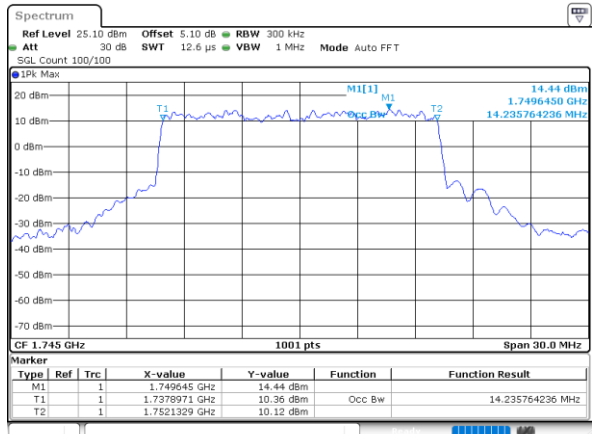
FR1 n66 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



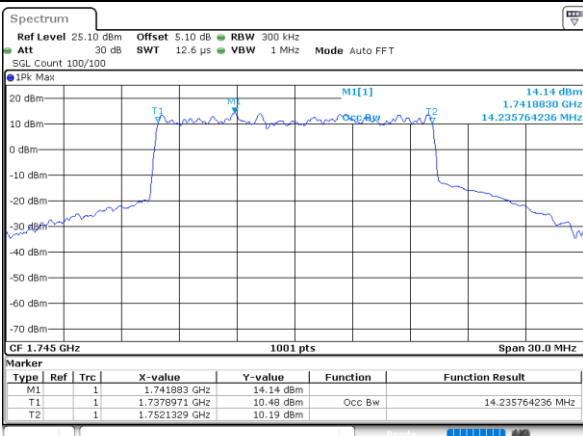
Date: 25. DEC. 2020 17:58:24

16QAM



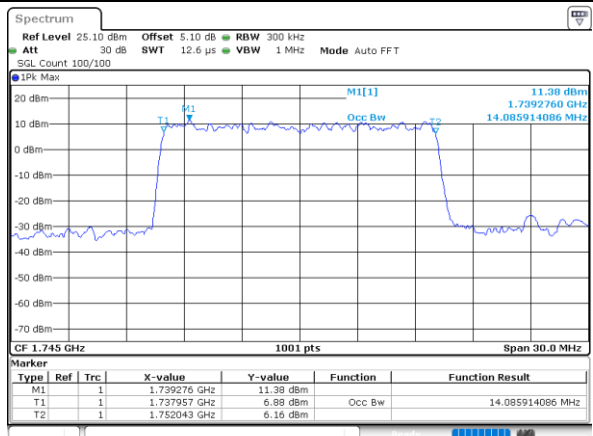
Date: 25. DEC. 2020 17:58:46

64QAM



Date: 25. DEC. 2020 17:59:09

256QAM

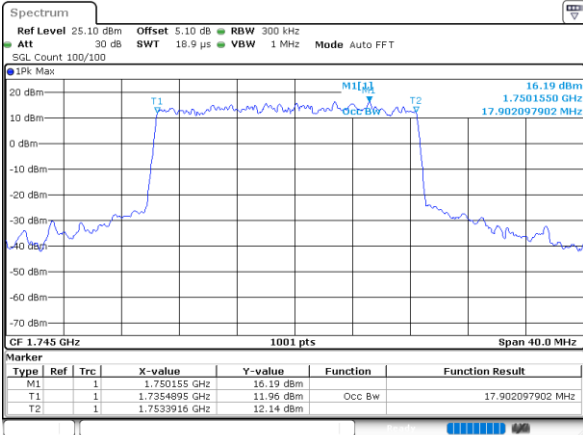


Date: 25. DEC. 2020 17:59:38



FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

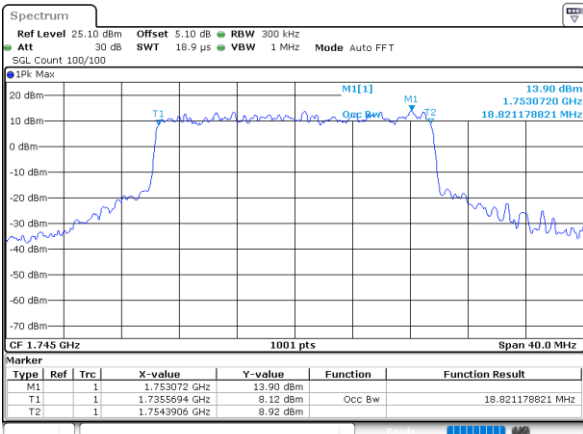
PI/2 BPSK



Date: 25. DEC. 2020 18:17:05

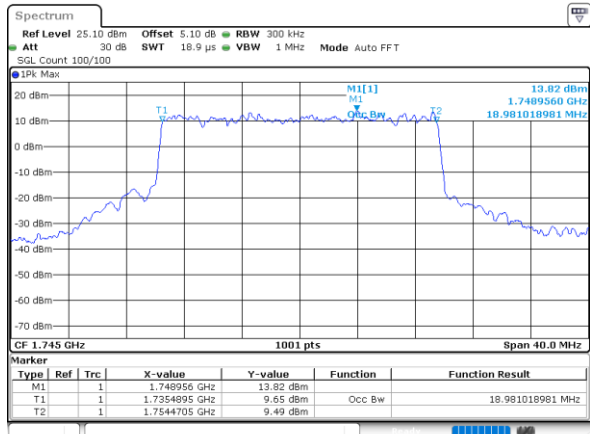
FR1 n66 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



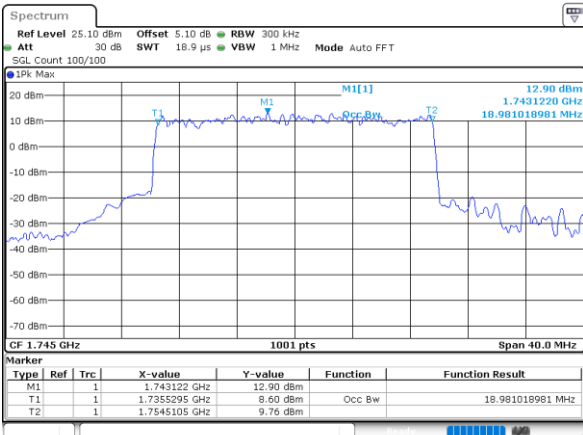
Date: 25. DEC. 2020 18:16:26

16QAM



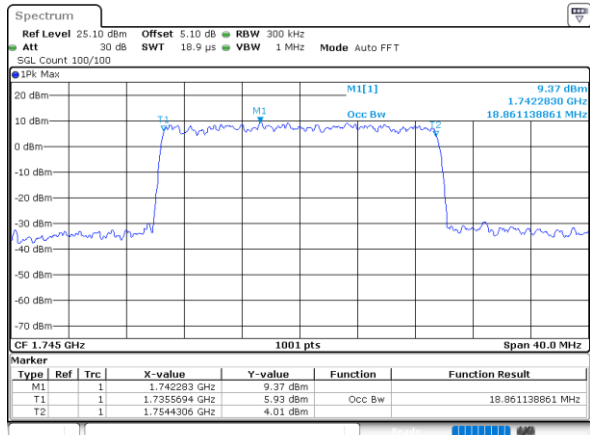
Date: 25. DEC. 2020 18:15:50

64QAM



Date: 25. DEC. 2020 18:04:47

256QAM



Date: 25. DEC. 2020 18:00:34

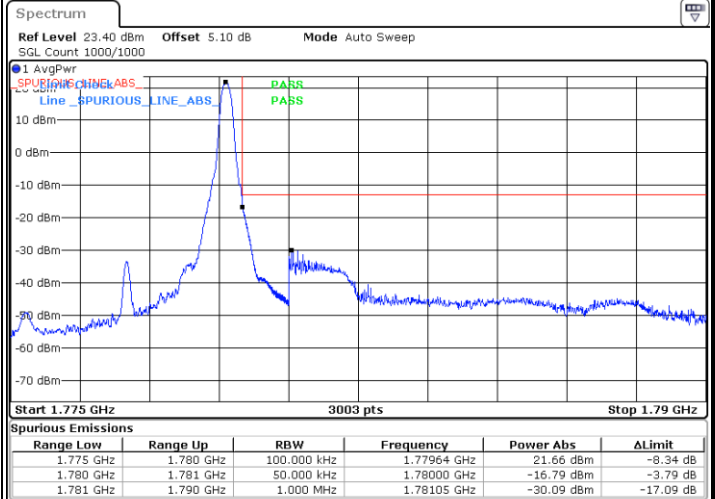
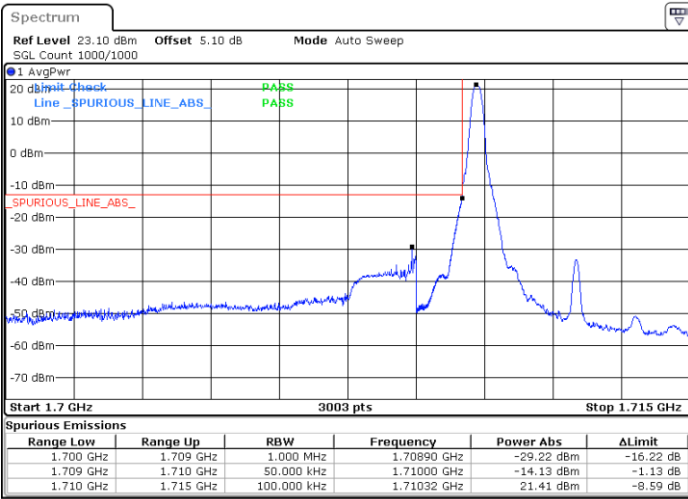


Conducted Band Edge

FR1 n66 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

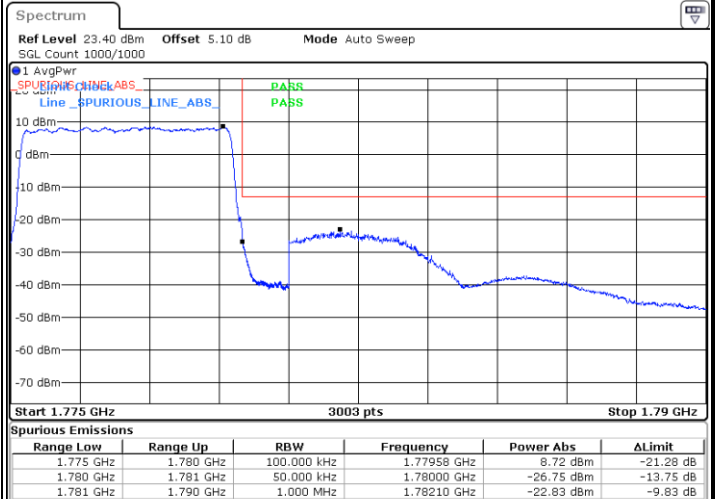
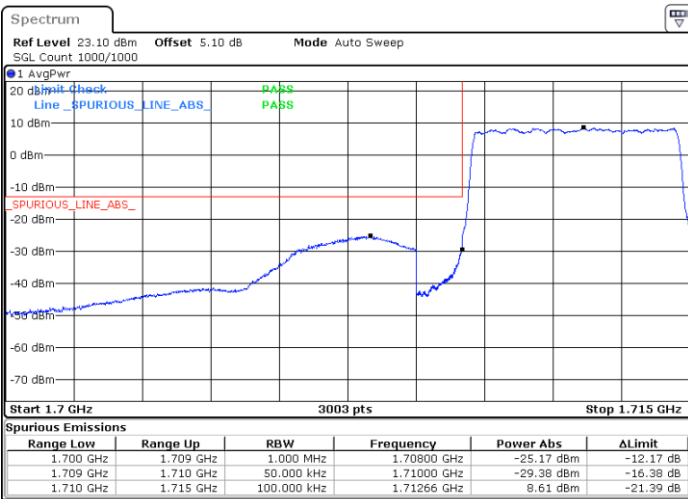


Date: 25.DEC.2020 15:39:34

Date: 25.DEC.2020 16:38:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.DEC.2020 15:17:42

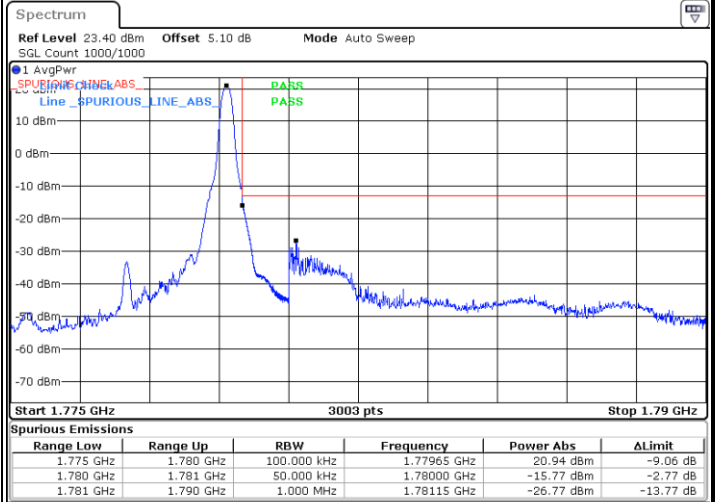
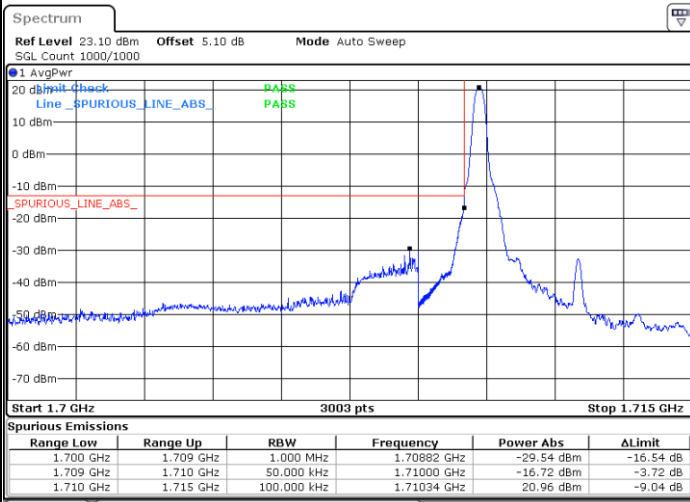
Date: 25.DEC.2020 16:23:04



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

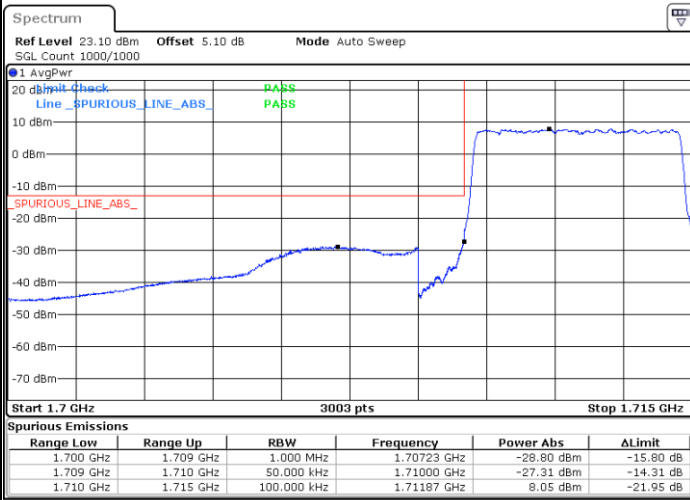


Date: 25.DEC.2020 15:36:57

Date: 25.DEC.2020 16:37:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.DEC.2020 15:19:33

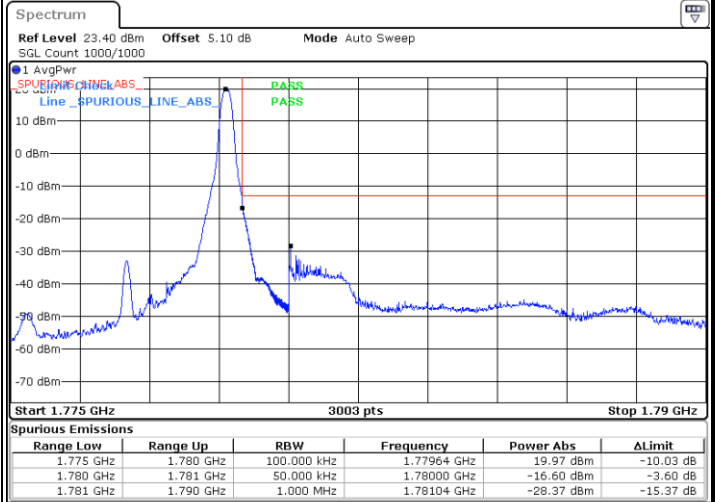
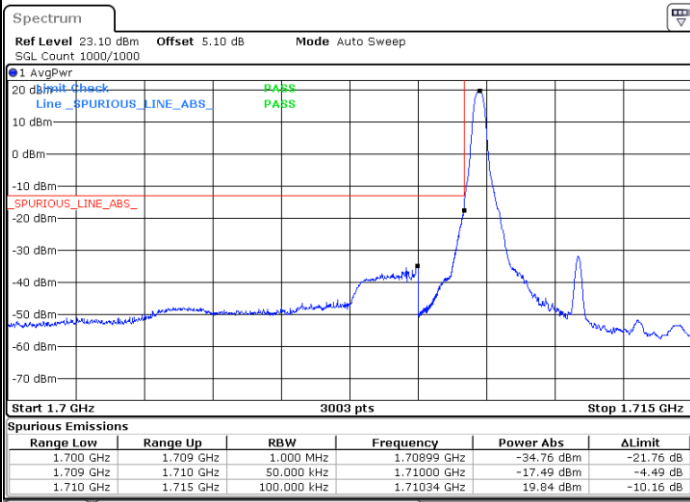
Date: 25.DEC.2020 16:24:52



FR1 n66 / 5MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

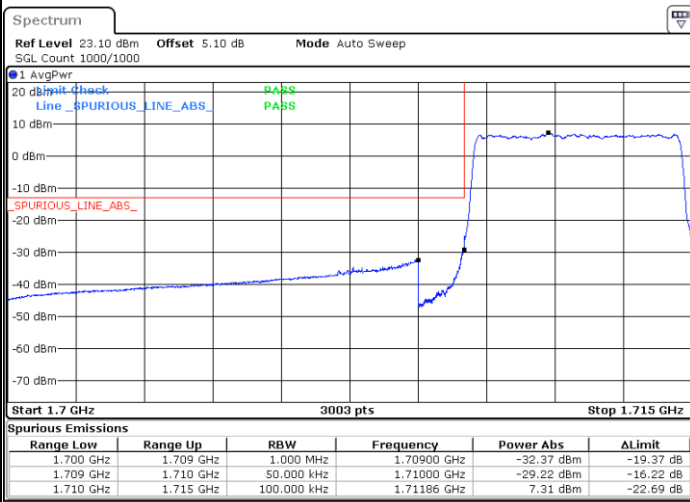


Date: 25.DEC.2020 15:34:37

Date: 25.DEC.2020 16:35:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.DEC.2020 15:21:44

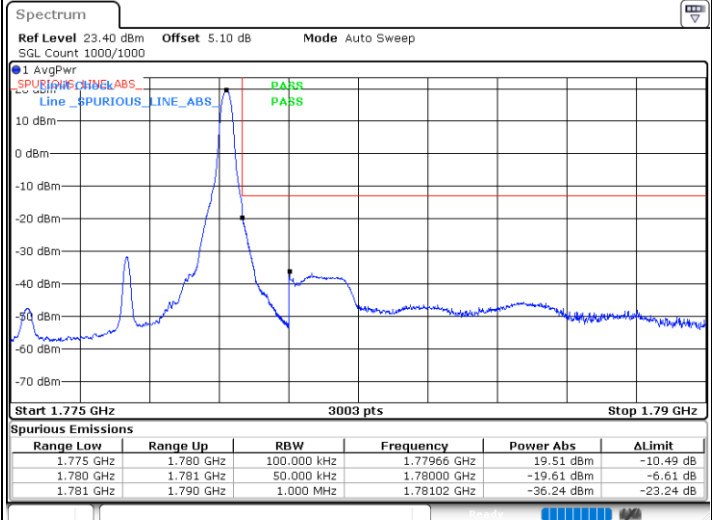
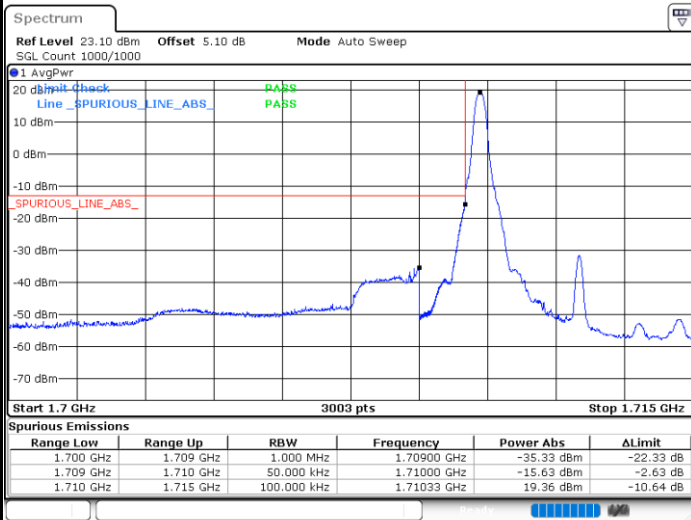
Date: 25.DEC.2020 16:26:44



FR1 n66 / 5MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

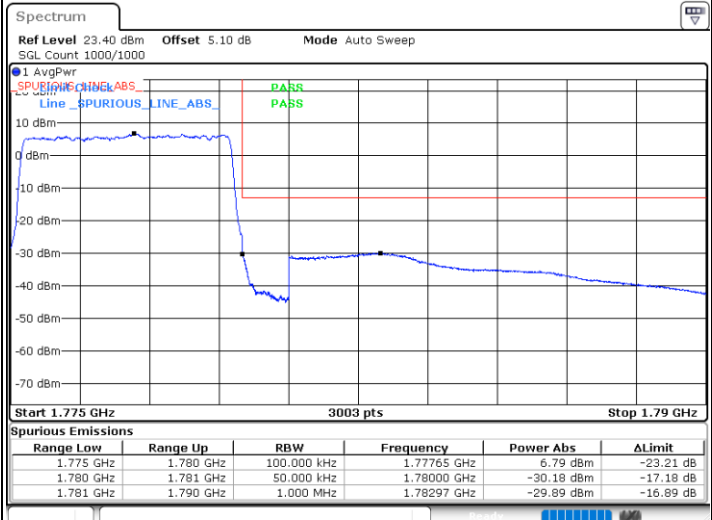
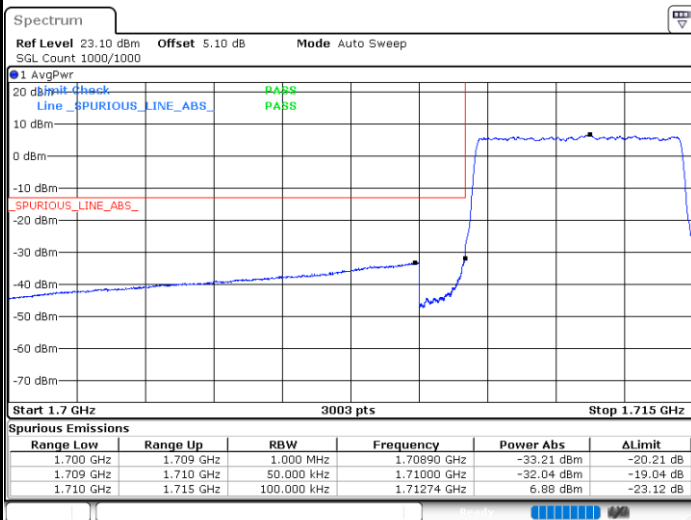


Date: 25.DEC.2020 15:32:04

Date: 25.DEC.2020 16:31:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.DEC.2020 15:24:40

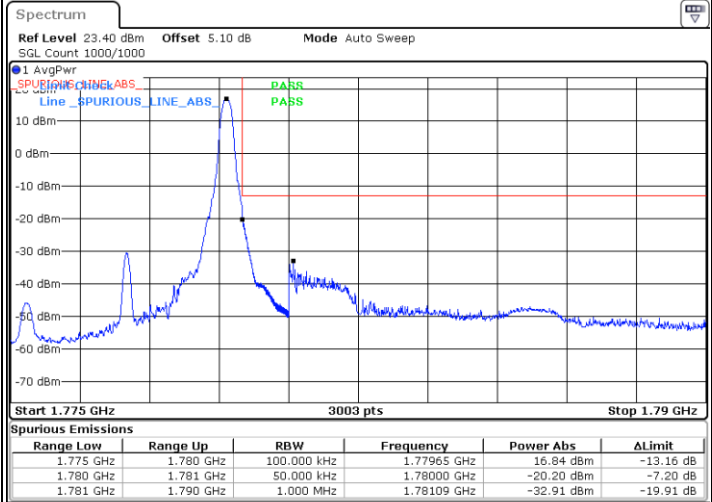
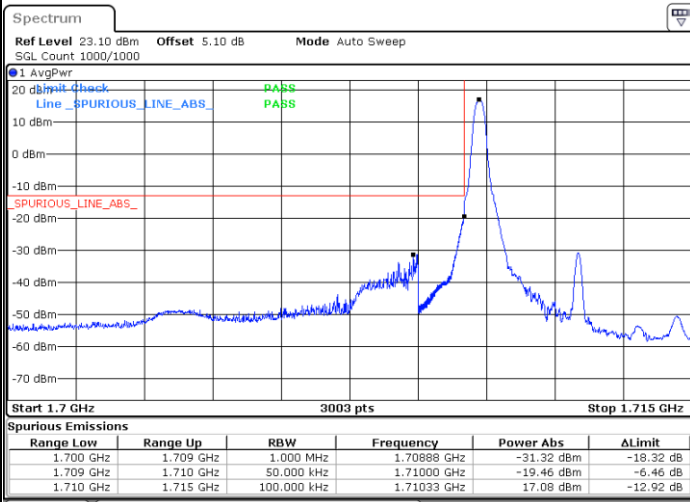
Date: 25.DEC.2020 16:29:33



FR1 n66 / 5MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

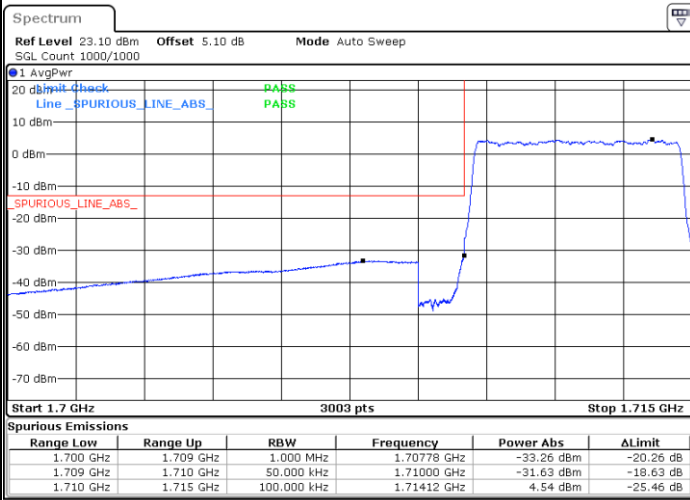


Date: 25.DEC.2020 16:11:32

Date: 25.DEC.2020 16:41:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.DEC.2020 16:14:08

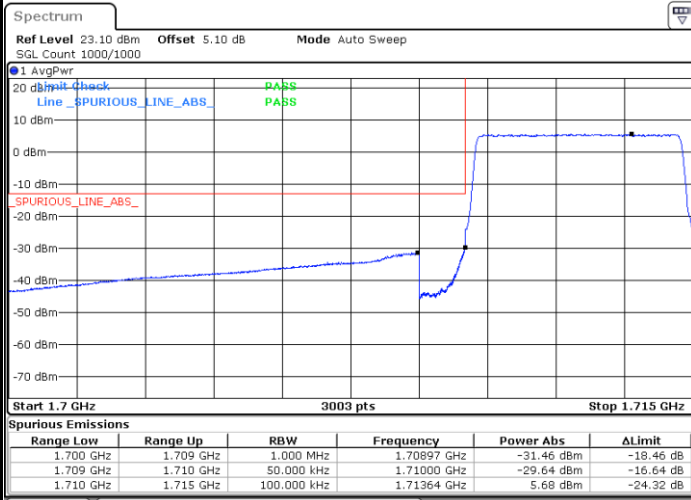
Date: 25.DEC.2020 16:45:40



FR1 n66 / 5MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 16:16:31

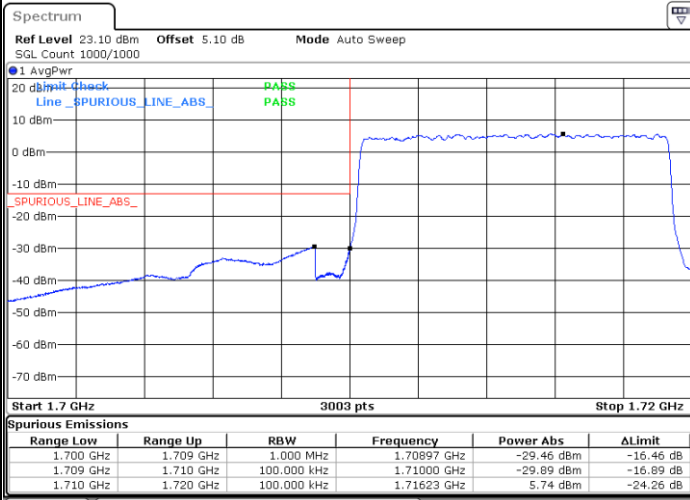
Date: 25.DEC.2020 16:47:38



FR1 n66 / 10MHz / DFT-s-OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 19:27:51

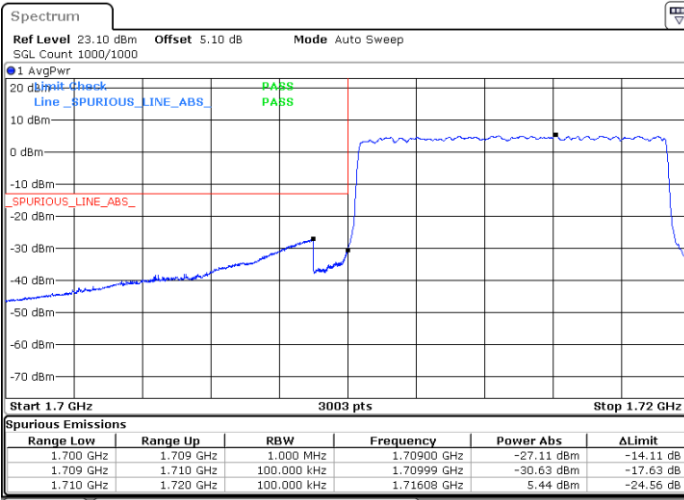
Date: 25.DEC.2020 19:33:35



FR1 n66 / 10MHz / DFT-s-OFDM / QPSK / Full RB

Lowest Band Edge

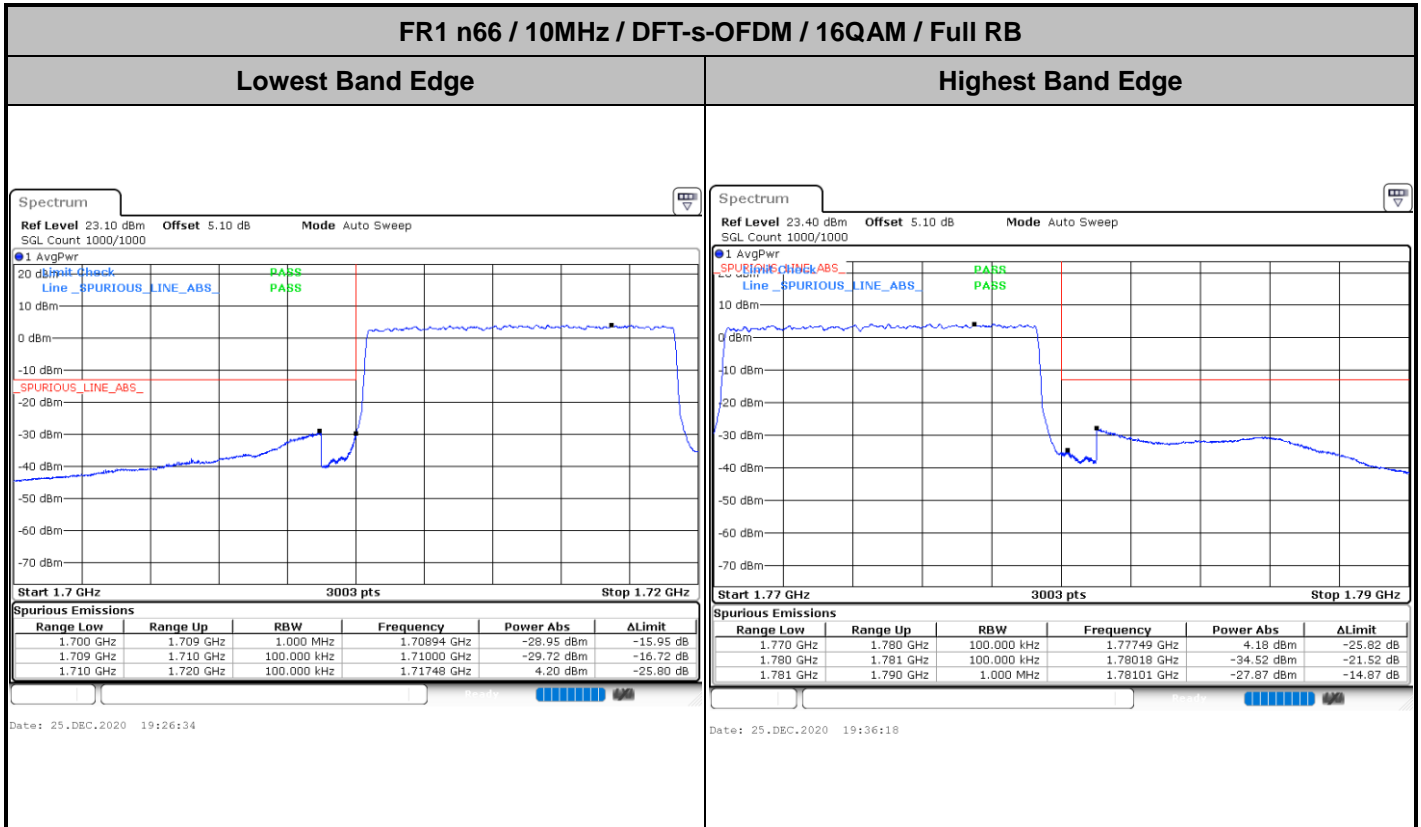
Highest Band Edge



Date: 25.DEC.2020 19:24:33



Date: 25.DEC.2020 19:35:08

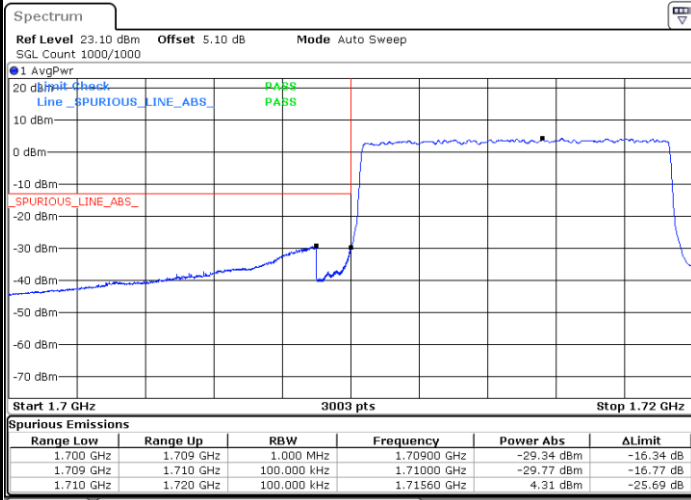




FR1 n66 / 10MHz / DFT-s-OFDM / 64QAM / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 19:22:56



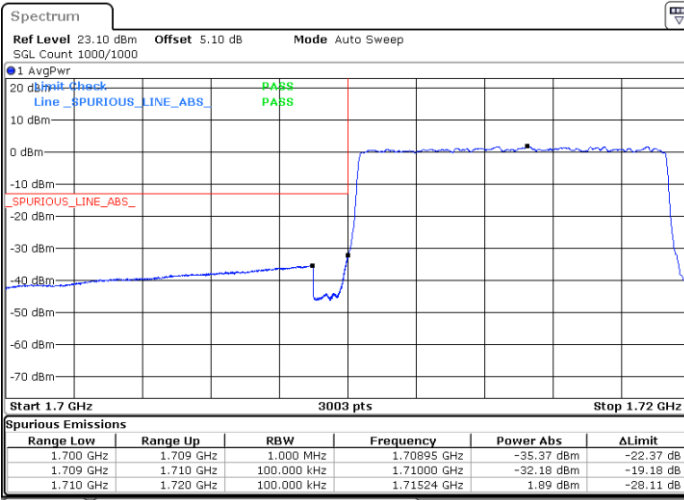
Date: 25.DEC.2020 19:38:30



FR1 n66 / 10MHz / DFT-s-OFDM / 256QAM / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 19:18:55

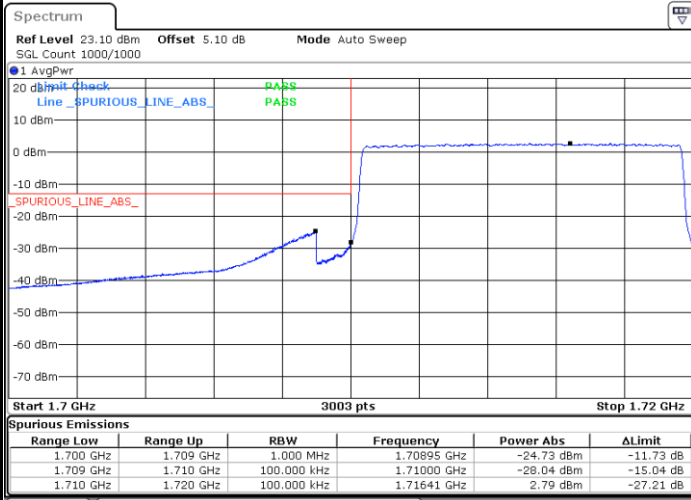
Date: 25.DEC.2020 19:39:34



FR1 n66 / 10MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 19:30:23

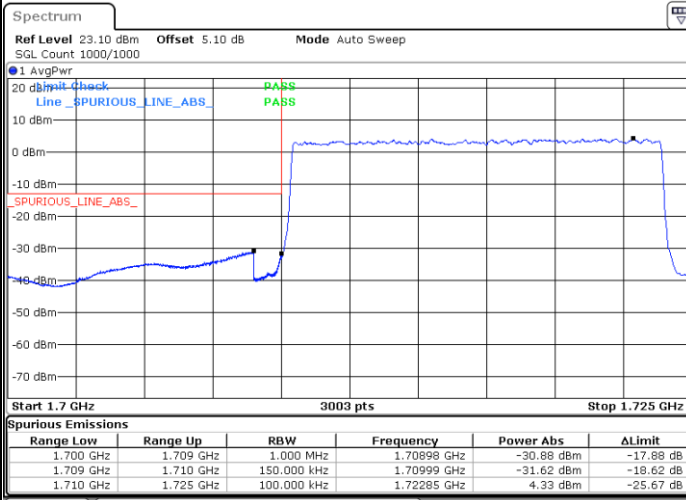
Date: 25.DEC.2020 19:31:28



FR1 n66 / 15MHz / DFT-s-OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 19:07:18

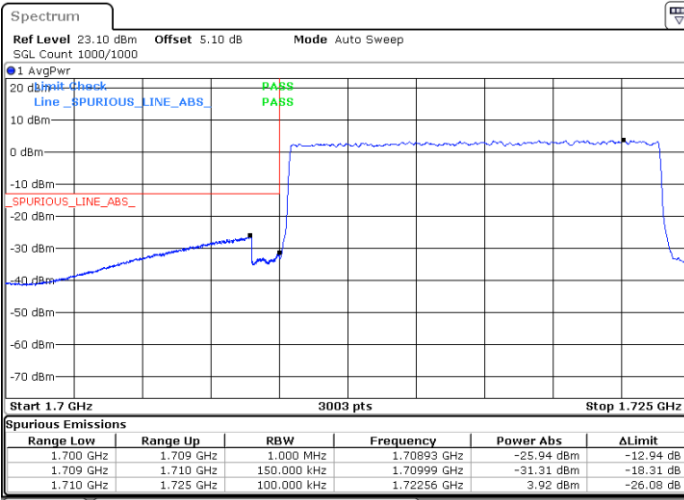
Date: 25.DEC.2020 19:11:13



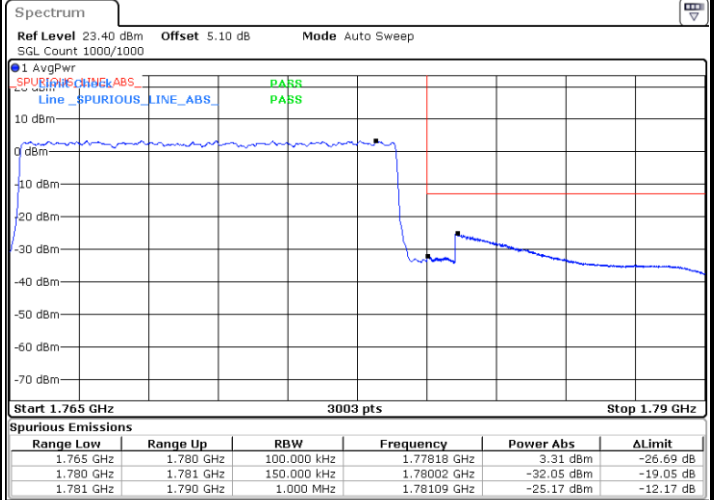
FR1 n66 / 15MHz / DFT-s-OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 19:06:05



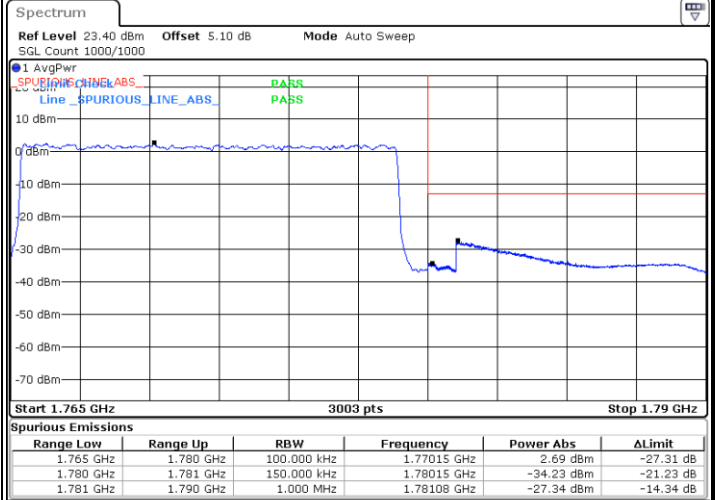
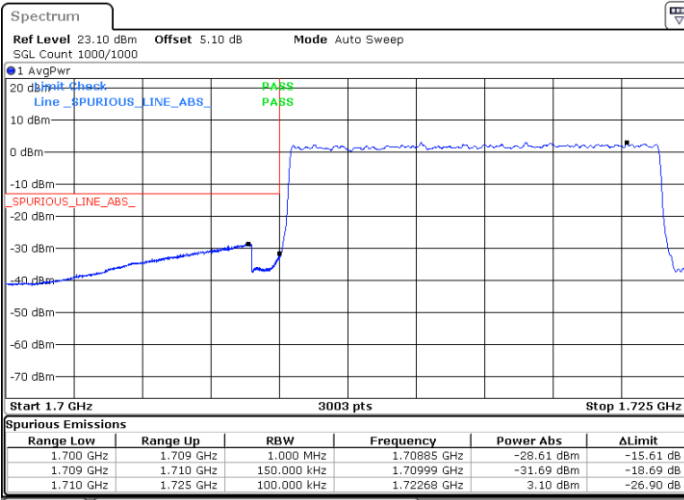
Date: 25.DEC.2020 19:12:00



FR1 n66 / 15MHz / DFT-s-OFDM / 16QAM / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 19:04:52

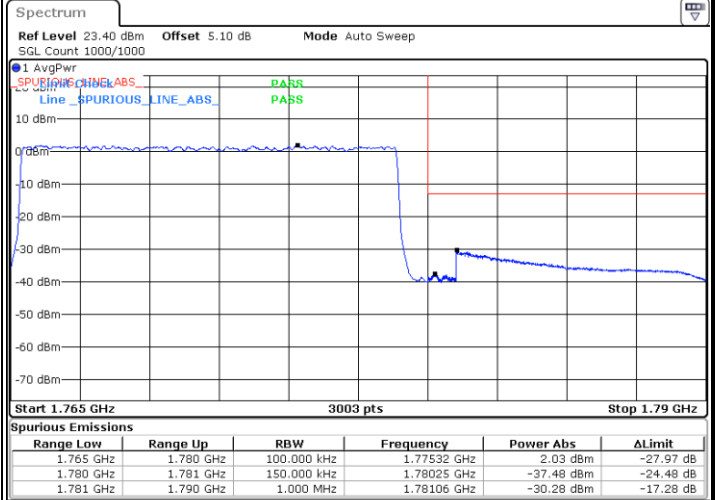
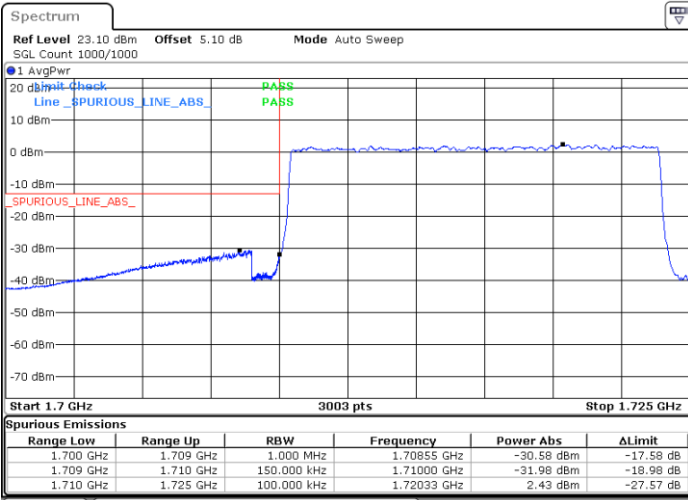
Date: 25.DEC.2020 19:12:59



FR1 n66 / 15MHz / DFT-s-OFDM / 64QAM / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 19:03:43

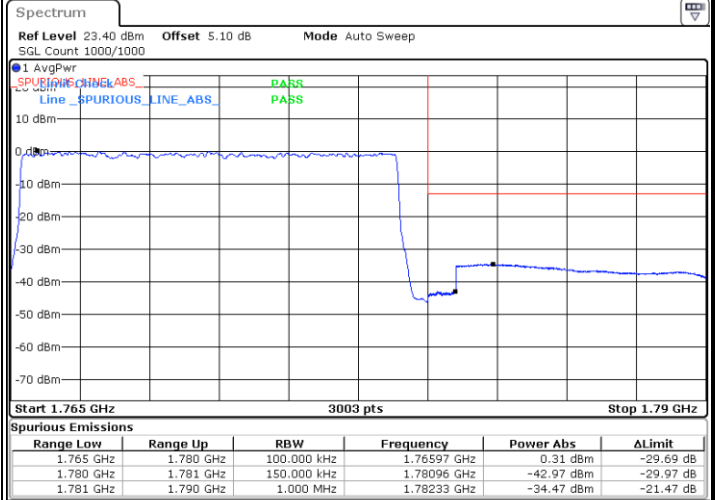
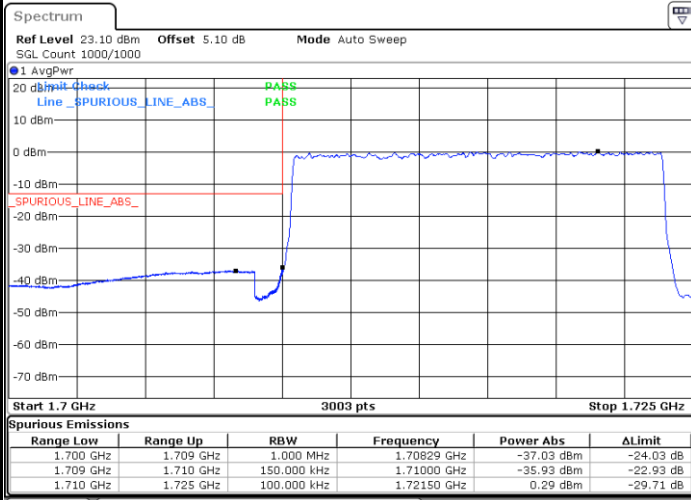
Date: 25.DEC.2020 19:15:43



FR1 n66 / 15MHz / DFT-s-OFDM / 256QAM / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 19:02:43

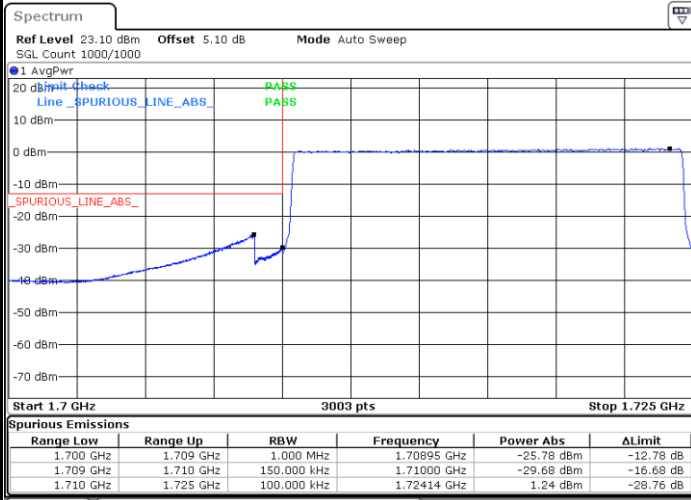
Date: 25.DEC.2020 19:16:49



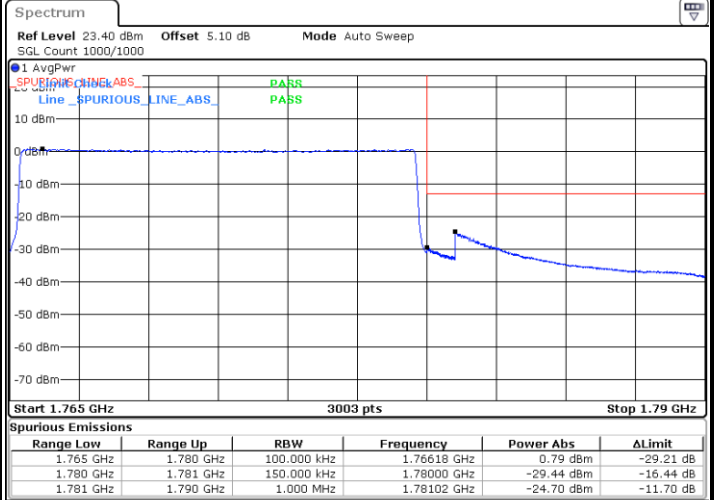
FR1 n66 / 15MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 19:08:36



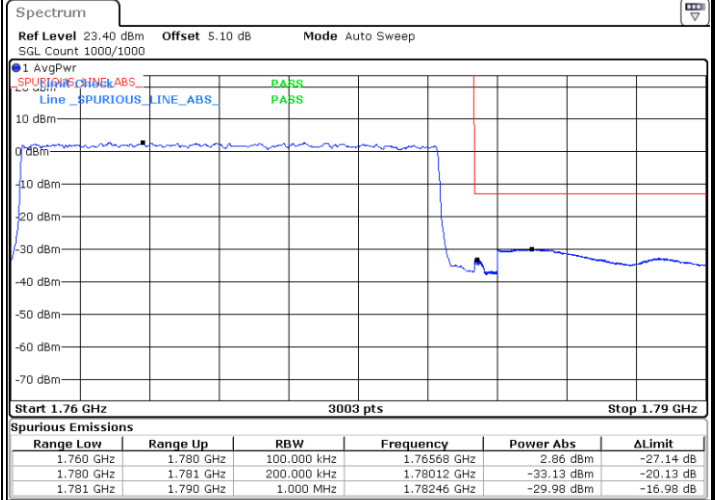
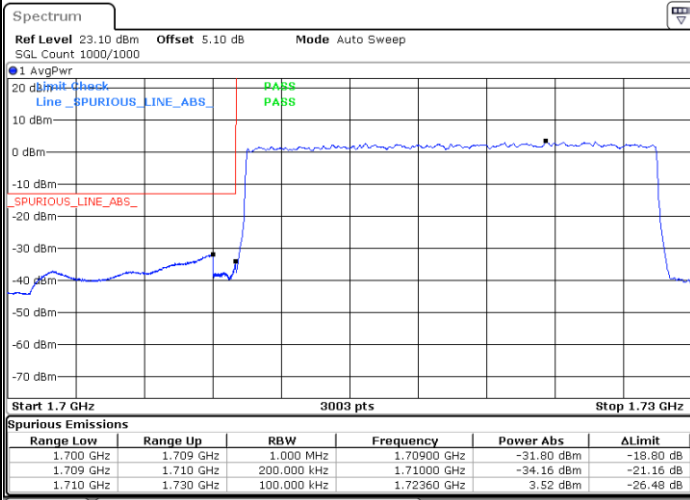
Date: 25.DEC.2020 19:09:43



FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 18:29:05

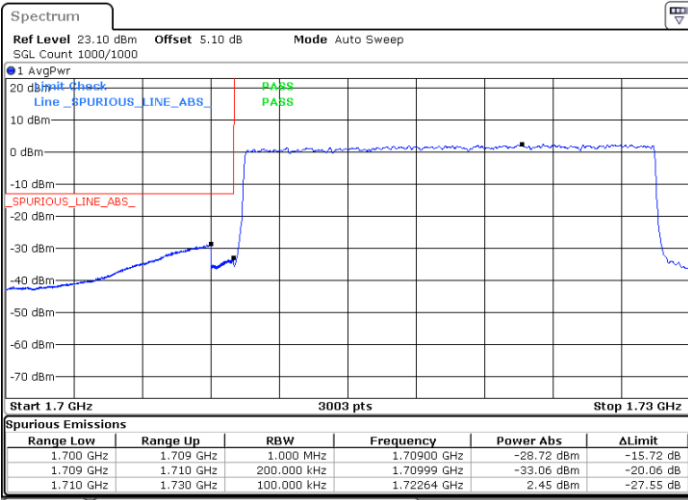
Date: 25.DEC.2020 18:41:28



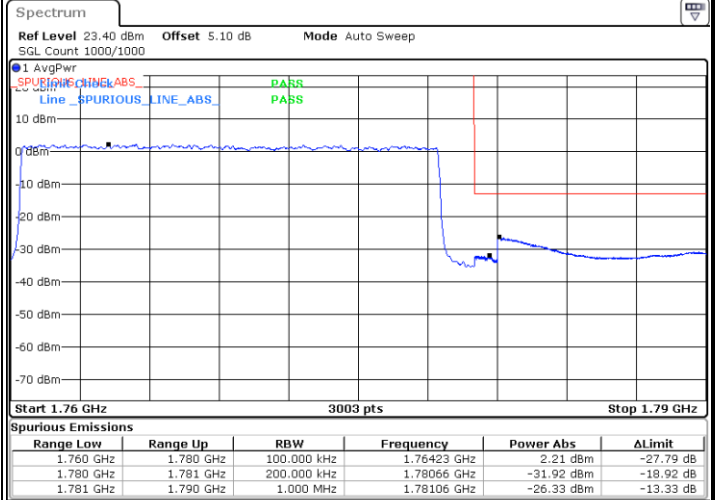
FR1 n66 / 20MHz / DFT-s-OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 18:30:47



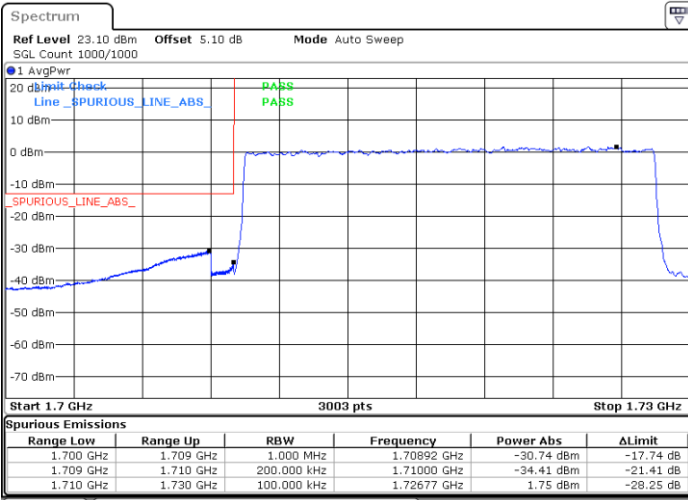
Date: 25.DEC.2020 18:44:54



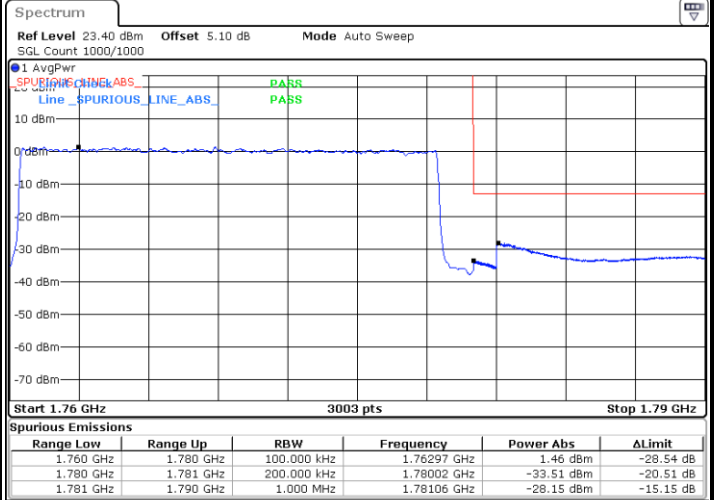
FR1 n66 / 20MHz / DFT-s-OFDM / 16QAM / Full RB

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 18:32:33



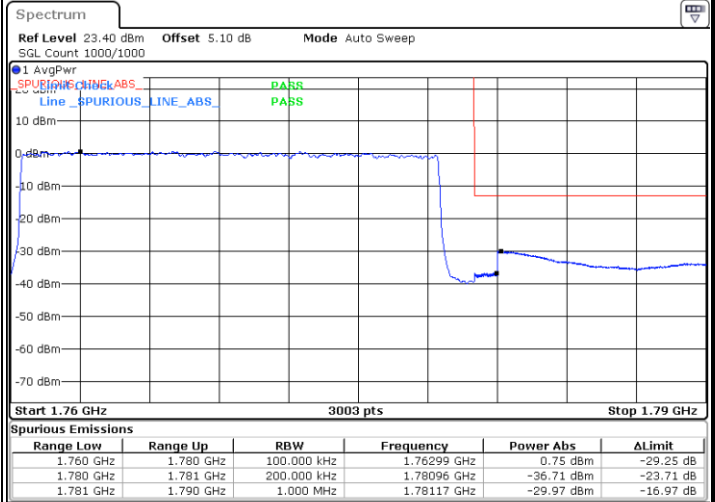
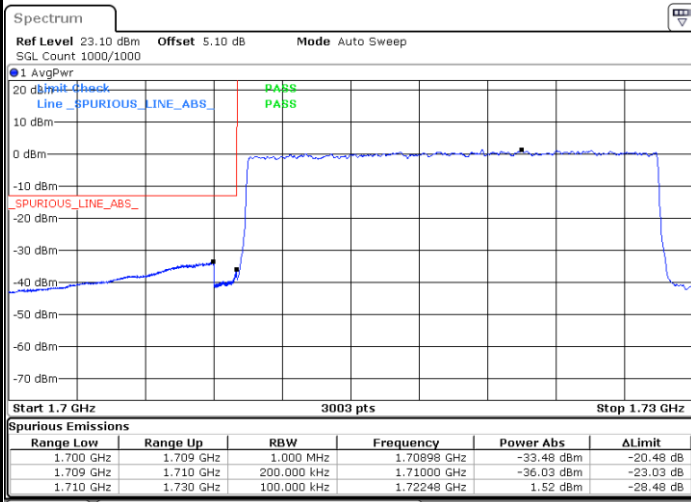
Date: 25.DEC.2020 18:47:28



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

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 18:34:15

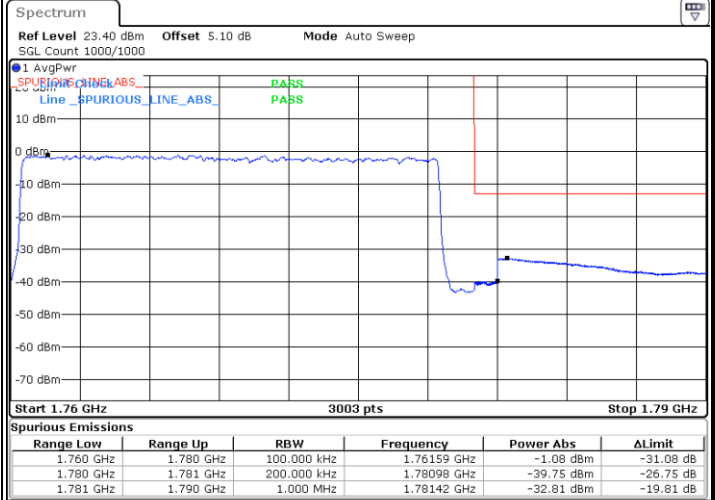
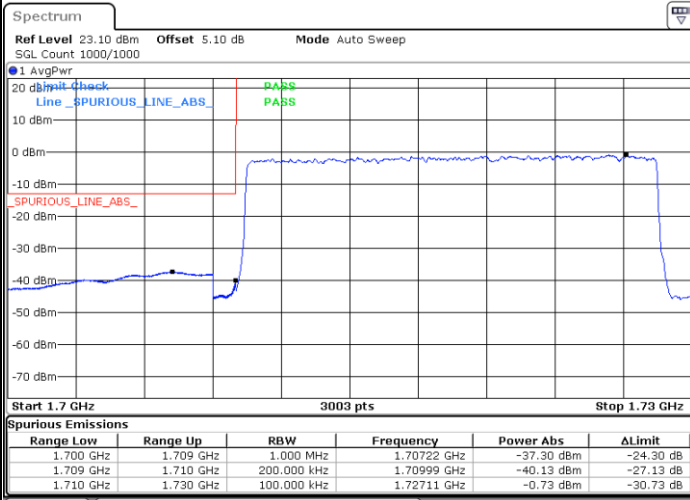
Date: 25.DEC.2020 18:48:18



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

Lowest Band Edge

Highest Band Edge



Date: 25.DEC.2020 18:35:24

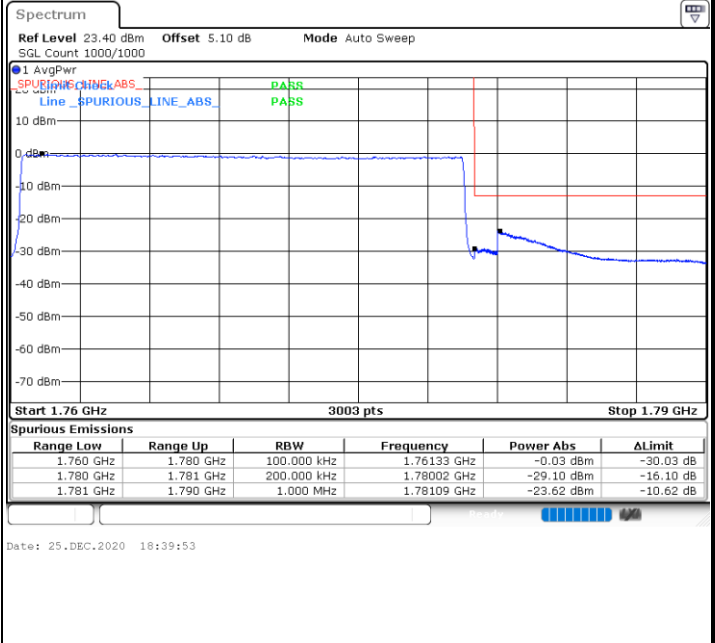
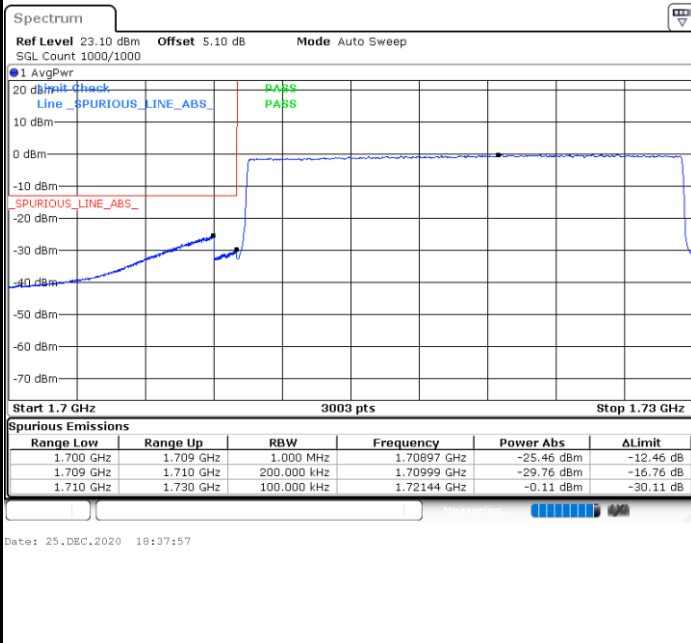
Date: 25.DEC.2020 18:49:17



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

Lowest Band Edge

Highest Band Edge



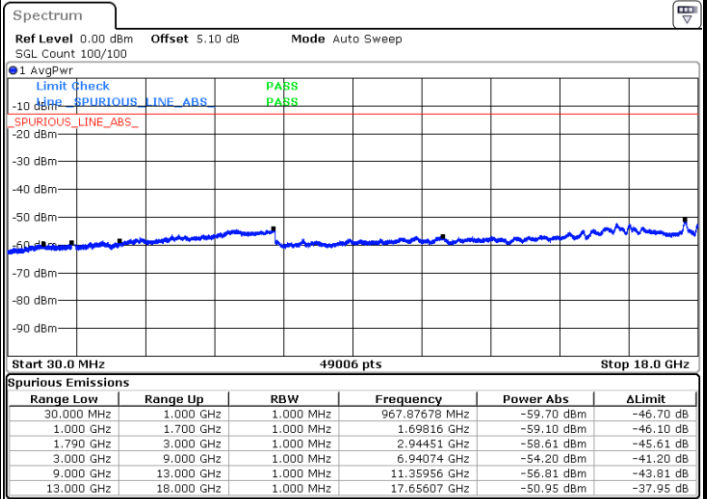
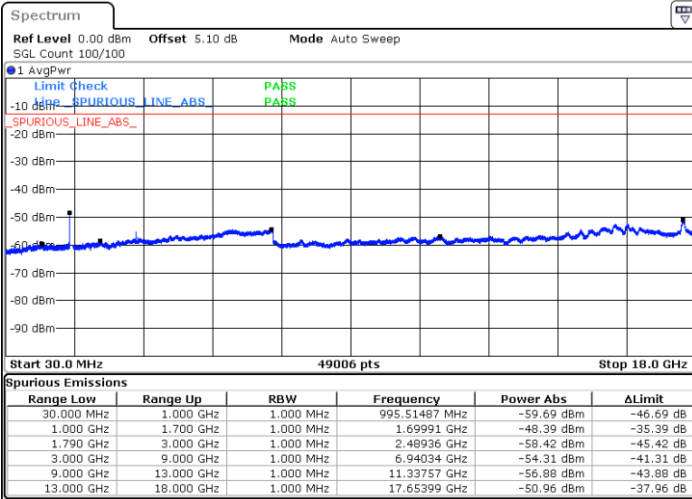


Conducted Spurious Emission

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

Lowest Channel

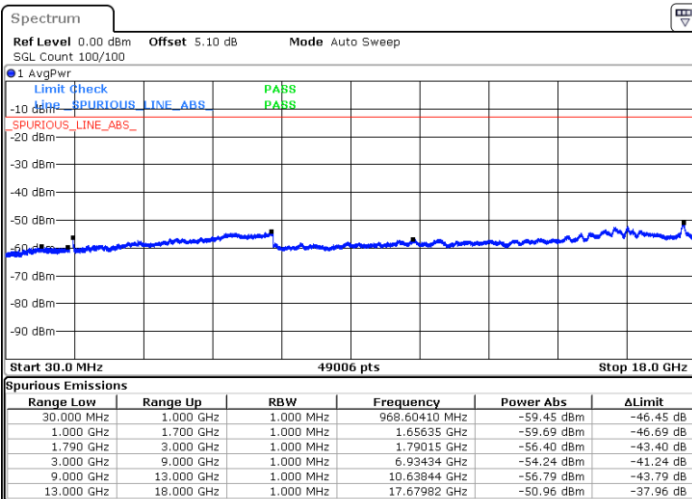
Middle Channel



Date: 25.DEC.2020 16:07:43

Date: 25.DEC.2020 16:19:52

Highest Channel



Date: 25.DEC.2020 16:21:09



Frequency Stability

Test Conditions		FR1 n66 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0077	
30	Normal Voltage	0.0064	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0064	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0077	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.60 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



FR1 n71

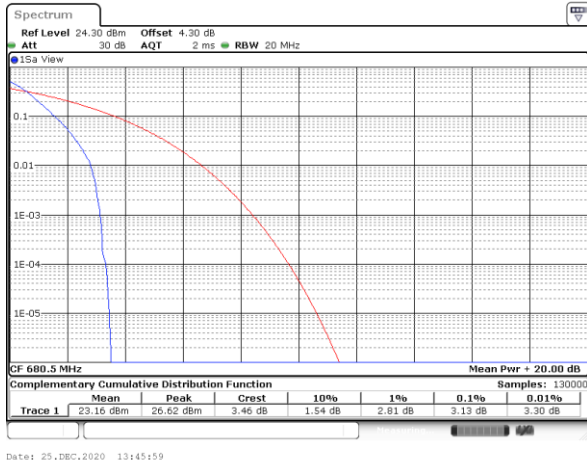
Peak-to-Average Ratio

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	3.13	4.23	5.45	5.80	PASS
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.52				PASS



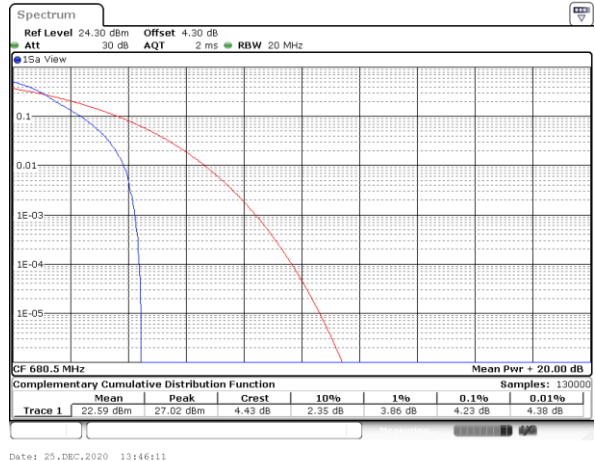
FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



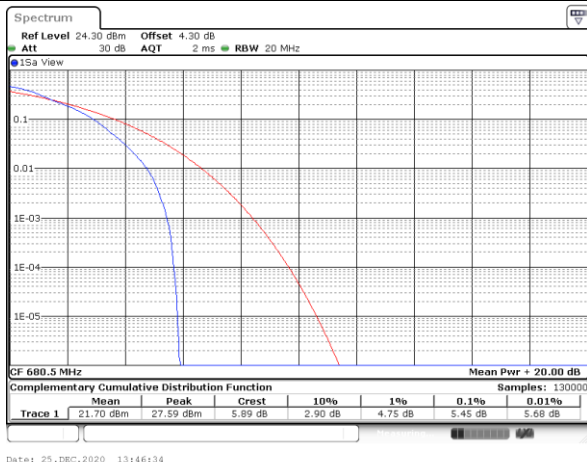
Date: 25.DEC.2020 13:45:59

QPSK



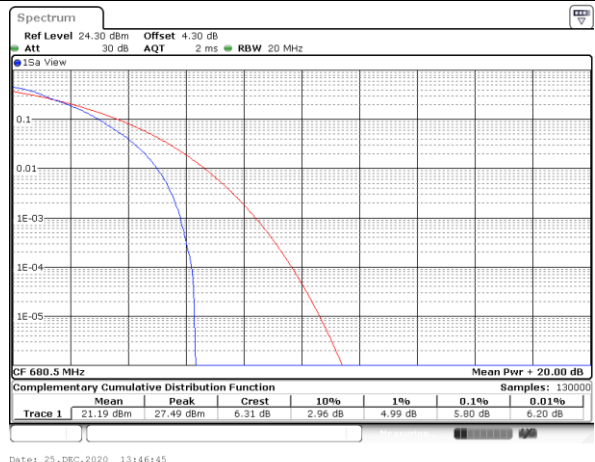
Date: 25.DEC.2020 13:46:11

16QAM



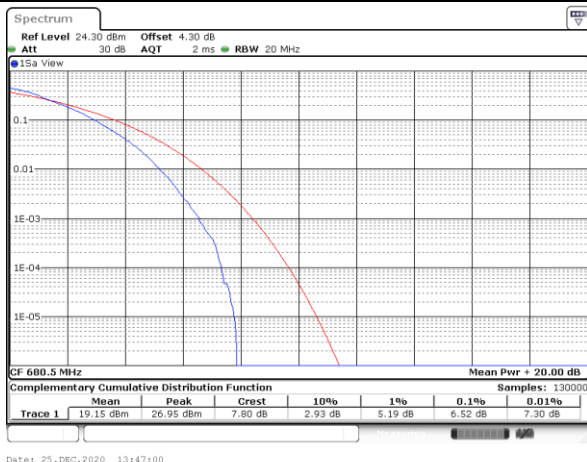
Date: 25.DEC.2020 13:46:34

64QAM



Date: 25.DEC.2020 13:46:45

256QAM



Date: 25.DEC.2020 13:47:00



26dB Bandwidth

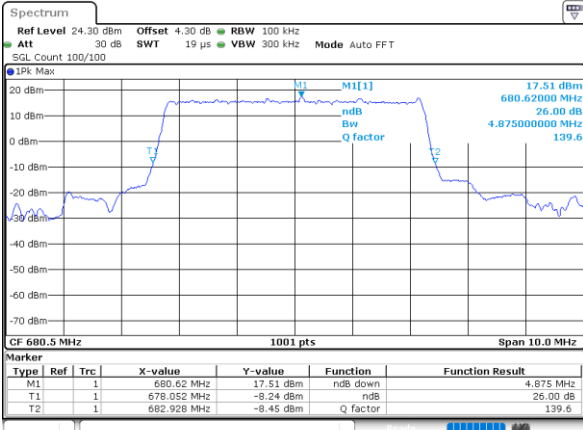
Mode	FR1 n71 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.88		9.33		14.36		18.74	

Mode	FR1 n71 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.99	4.97	9.95	9.93	14.84	14.93	19.86	19.86
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.96	4.87	9.73	9.63	15.11	14.99	19.90	19.94



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

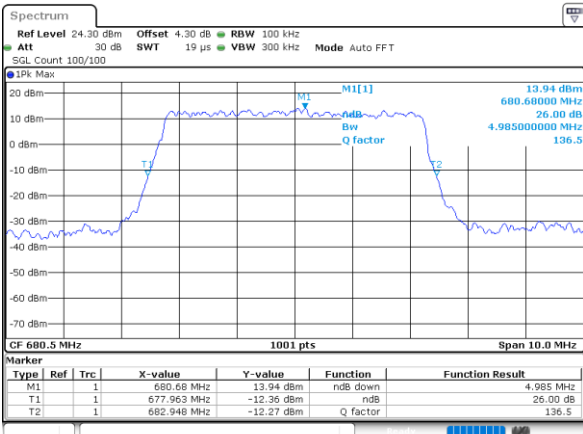
PI/2 BPSK



Date: 16, DEC, 2020 13:55:14

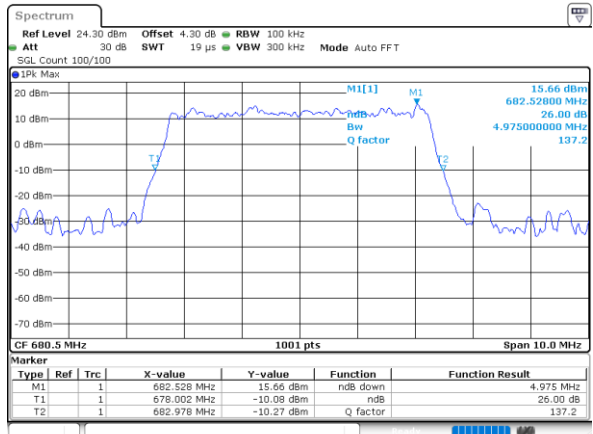
FR1 n71 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



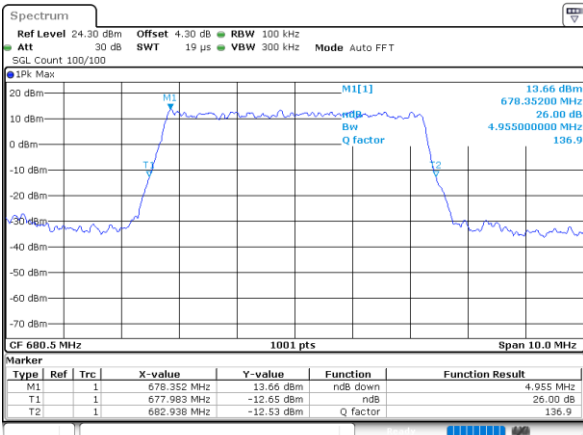
Date: 16, DEC, 2020 13:55:49

16QAM



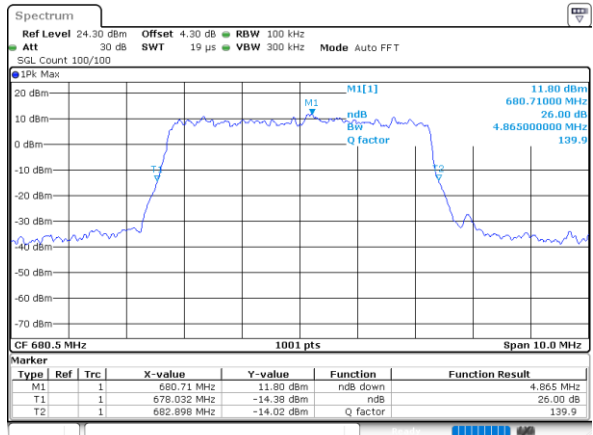
Date: 16, DEC, 2020 13:56:08

64QAM



Date: 16, DEC, 2020 13:56:24

256QAM

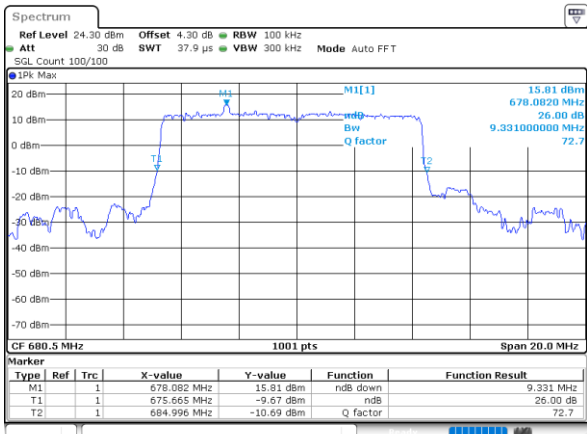


Date: 16, DEC, 2020 13:57:21



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

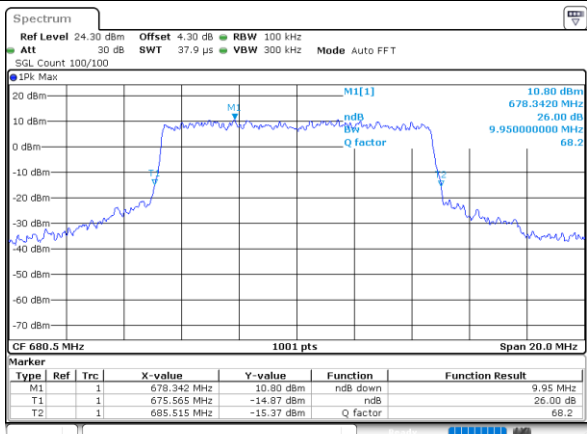
PI/2 BPSK



Date: 25. DEC. 2020 10:02:55

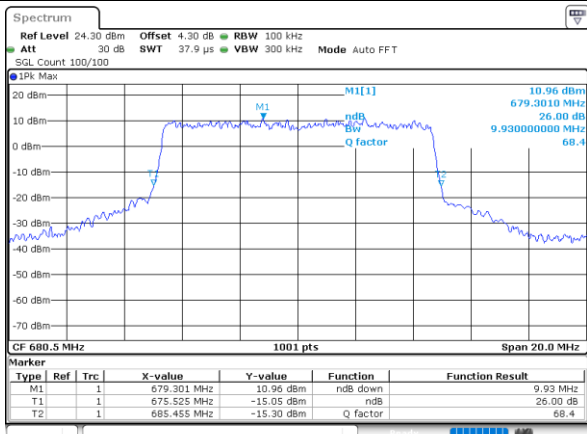
FR1 n71 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



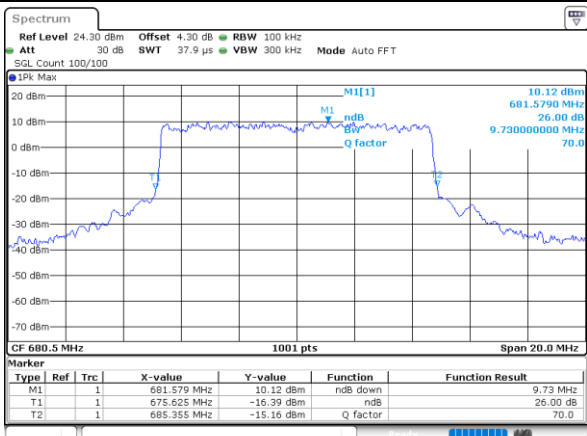
Date: 25. DEC. 2020 10:00:58

16QAM



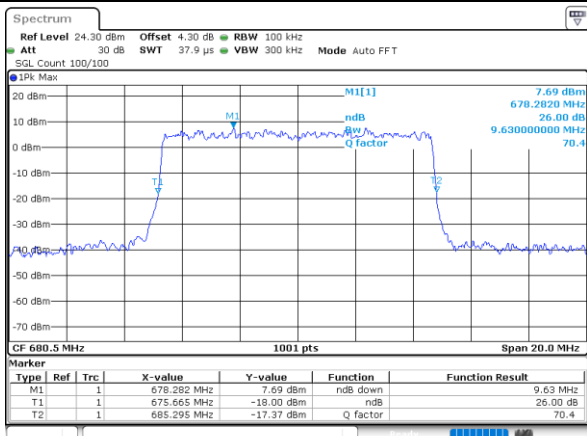
Date: 25. DEC. 2020 10:01:18

64QAM



Date: 25. DEC. 2020 10:01:37

256QAM

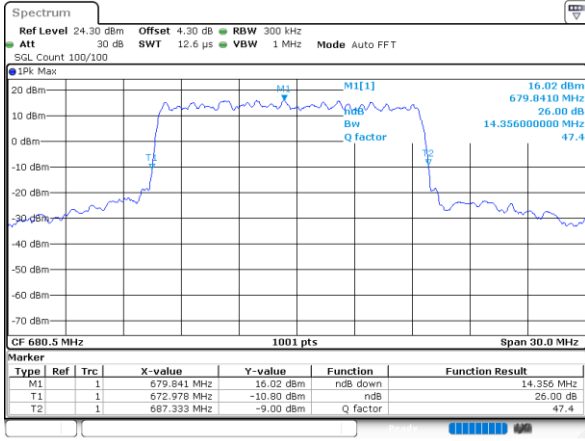


Date: 25. DEC. 2020 10:02:09



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

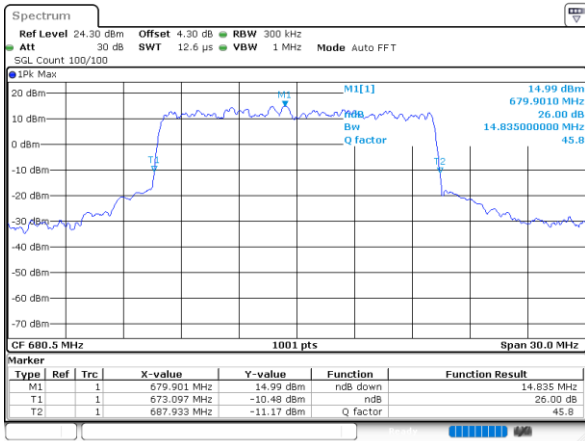
PI/2 BPSK



Date: 25, DEC, 2020 14:51:34

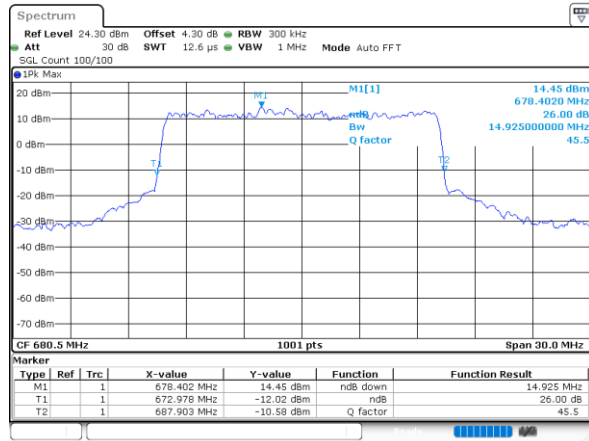
FR1 n71 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



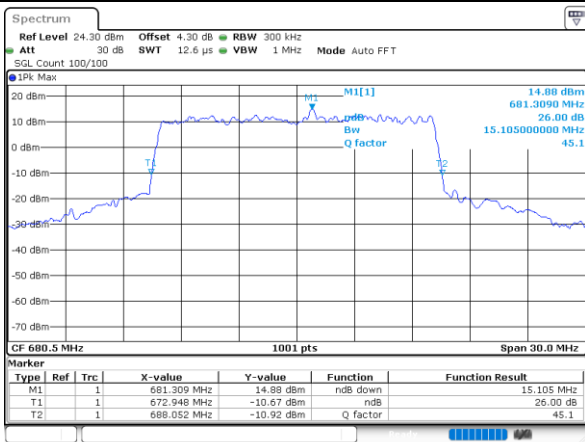
Date: 25, DEC, 2020 14:52:03

16QAM



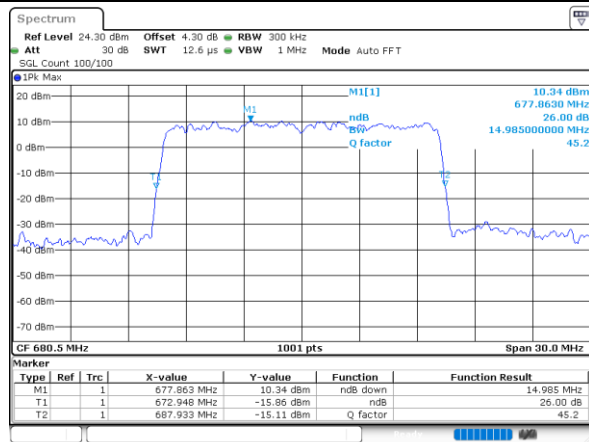
Date: 25, DEC, 2020 14:52:125

64QAM



Date: 25, DEC, 2020 14:52:146

256QAM

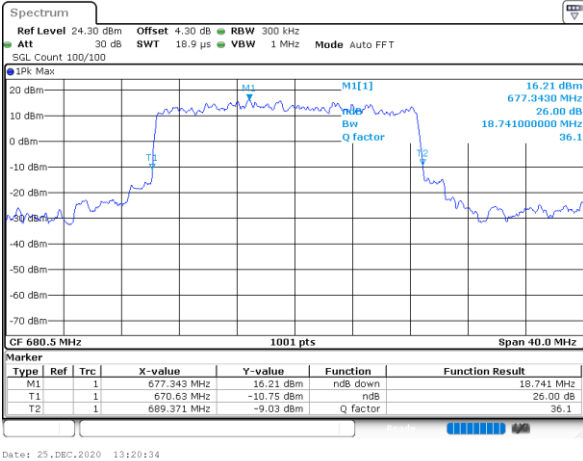


Date: 25, DEC, 2020 14:53:112



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

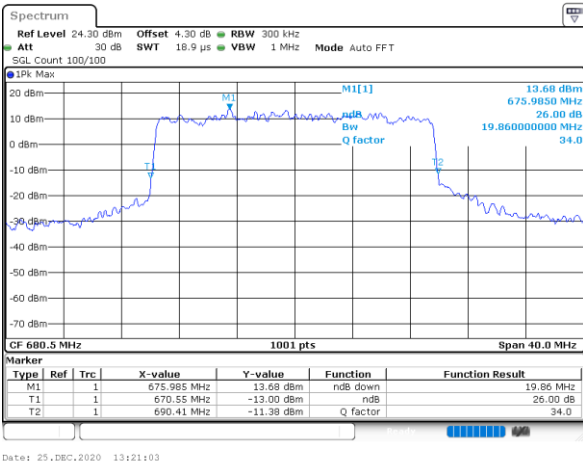
PI/2 BPSK



Date: 25, DEC, 2020 13:20:34

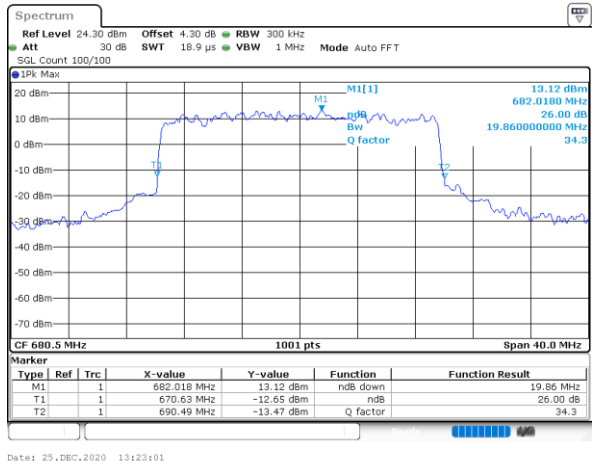
FR1 n71 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



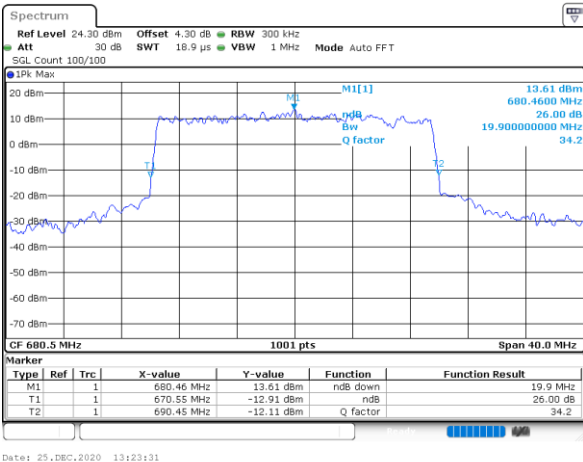
Date: 25, DEC, 2020 13:21:03

16QAM



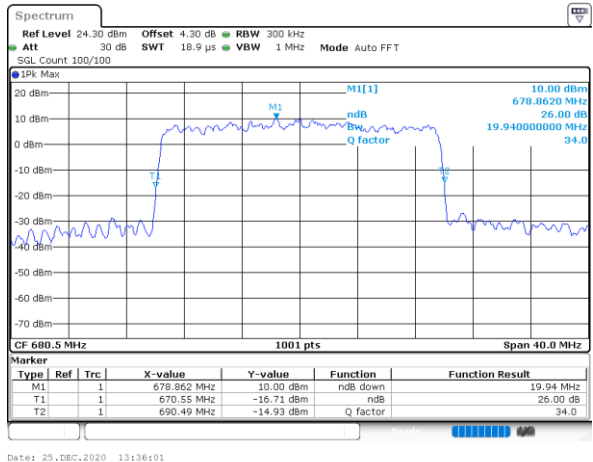
Date: 25, DEC, 2020 13:23:01

64QAM



Date: 25, DEC, 2020 13:23:13

256QAM



Date: 25, DEC, 2020 13:36:01



Occupied Bandwidth

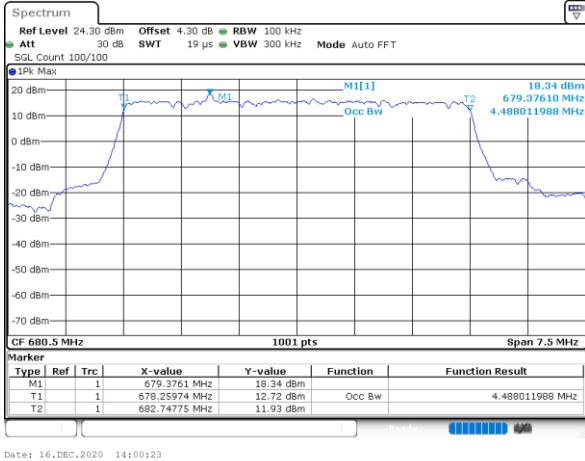
Mode	FR1 n71 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.49		8.89		13.43		17.86	

Mode	FR1 n71 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.50	9.25	9.27	14.12	14.15	18.90	18.82
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.49	4.47	9.25	9.27	14.12	14.12	18.86	18.90



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

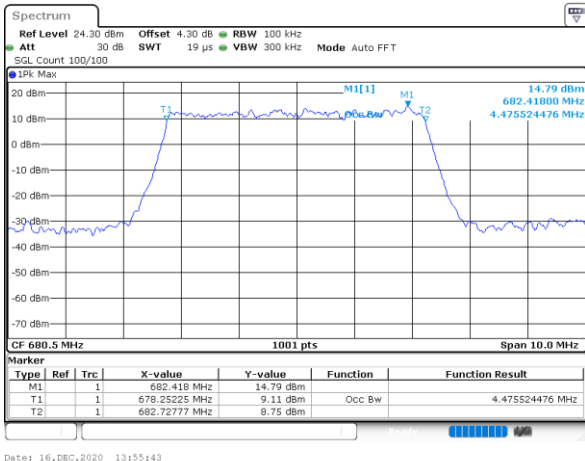
PI/2 BPSK



Date: 16, DEC, 2020 14:00:23

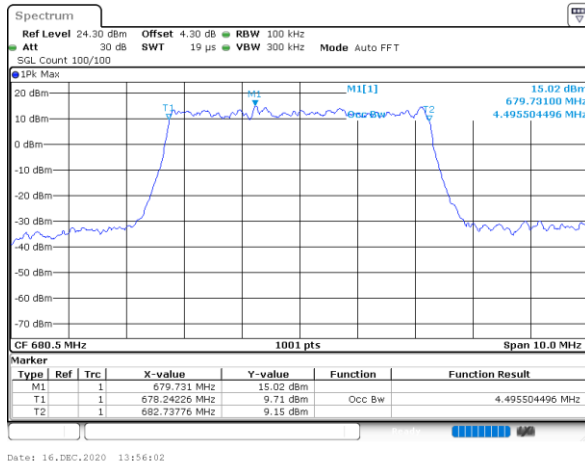
FR1 n71 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



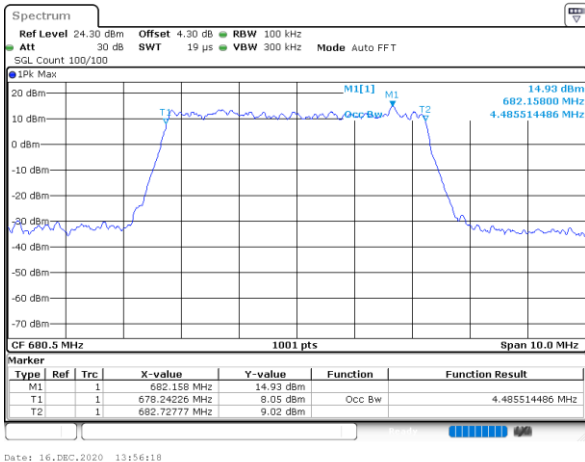
Date: 16, DEC, 2020 13:55:43

16QAM



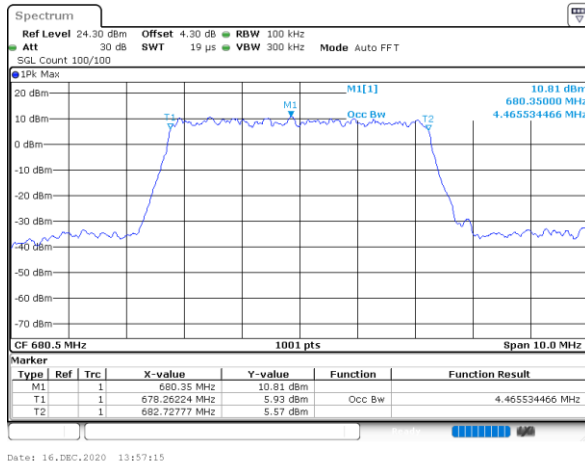
Date: 16, DEC, 2020 13:56:02

64QAM



Date: 16, DEC, 2020 13:56:18

256QAM

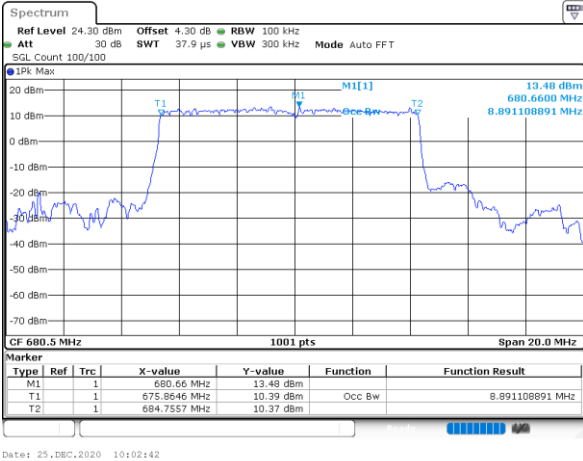


Date: 16, DEC, 2020 13:57:15



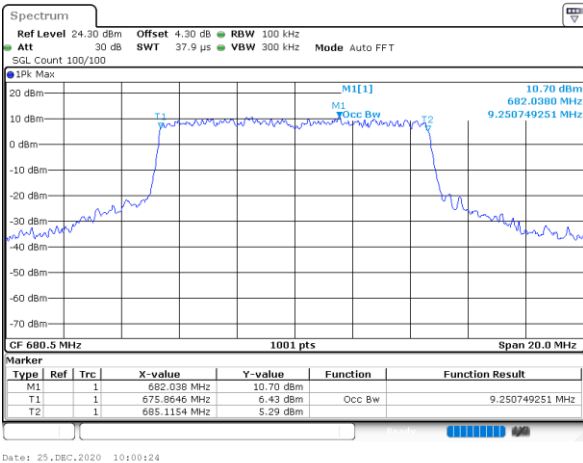
FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

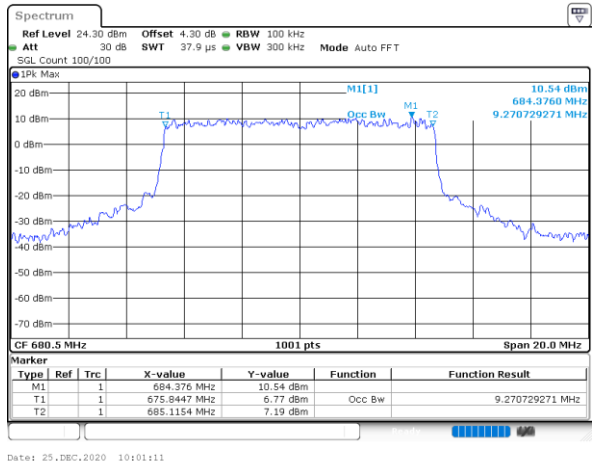


FR1 n71 / 10MHz / CP OFDM / Middle Channel / Full RB

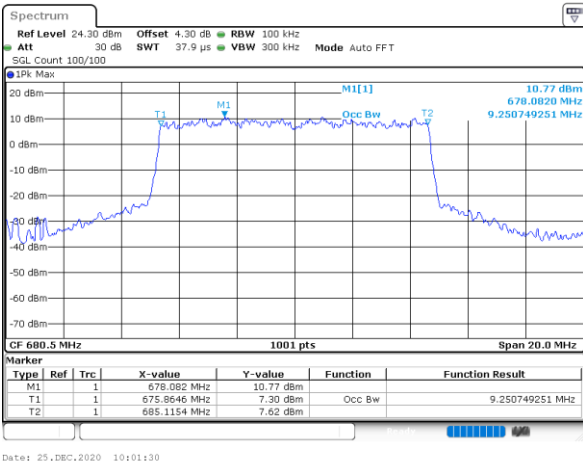
QPSK



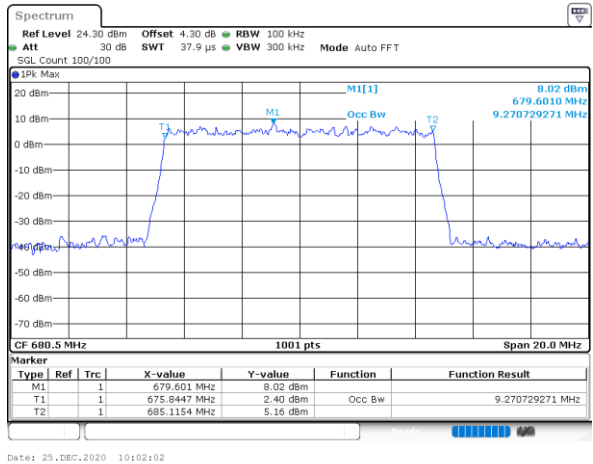
16QAM



64QAM



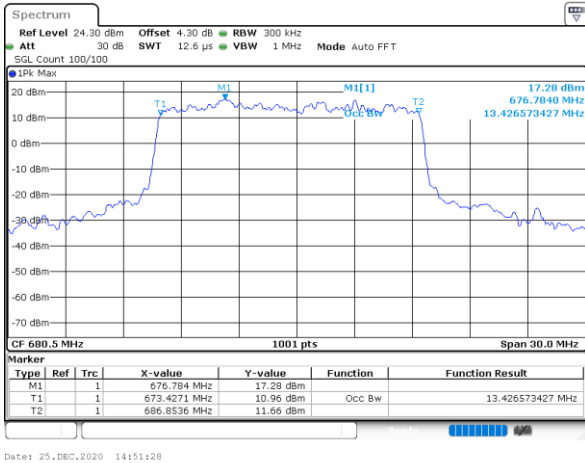
256QAM





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

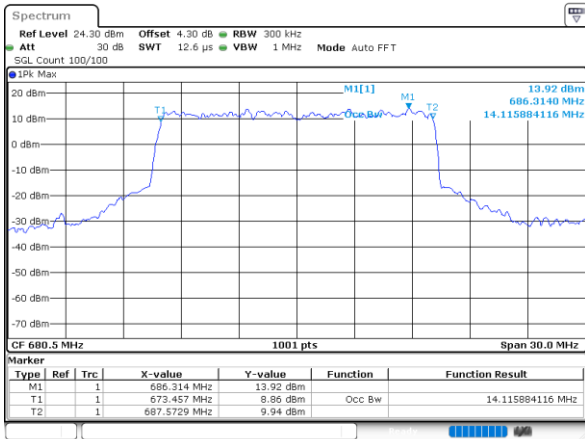
PI/2 BPSK



Date: 25. DEC. 2020 14:51:28

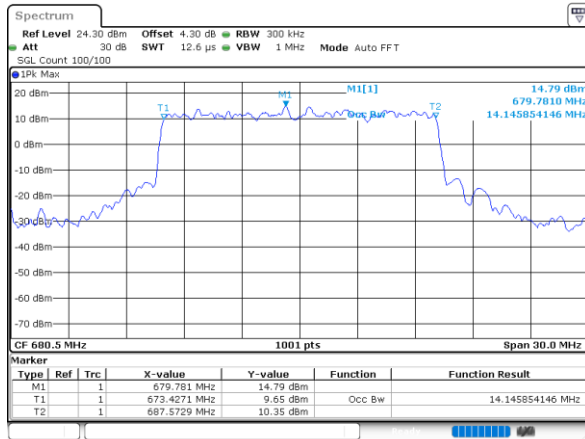
FR1 n71 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



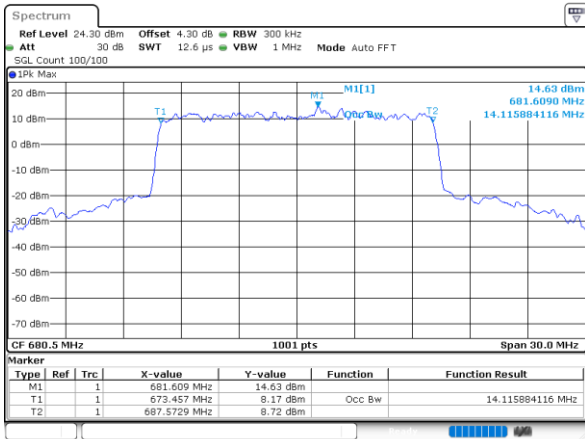
Date: 25. DEC. 2020 14:51:57

16QAM



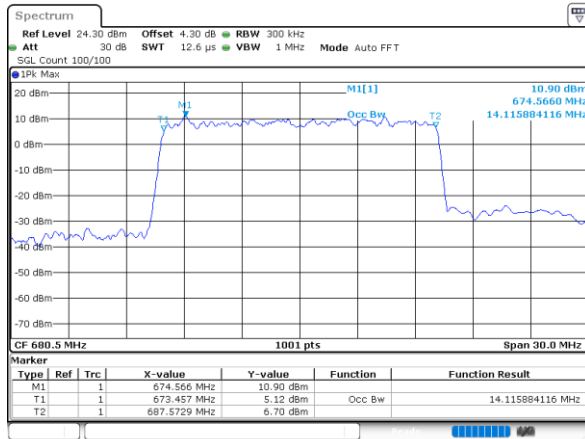
Date: 25. DEC. 2020 14:52:17

64QAM



Date: 25. DEC. 2020 14:52:40

256QAM



Date: 25. DEC. 2020 14:53:05