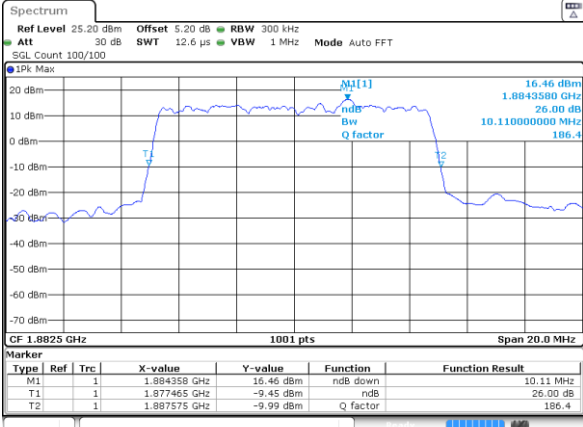




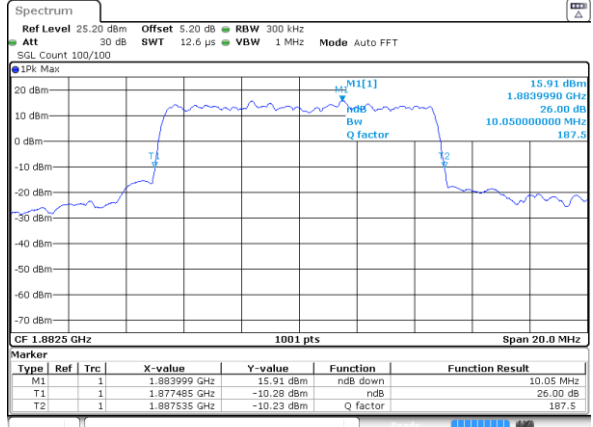
FR1 n25 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



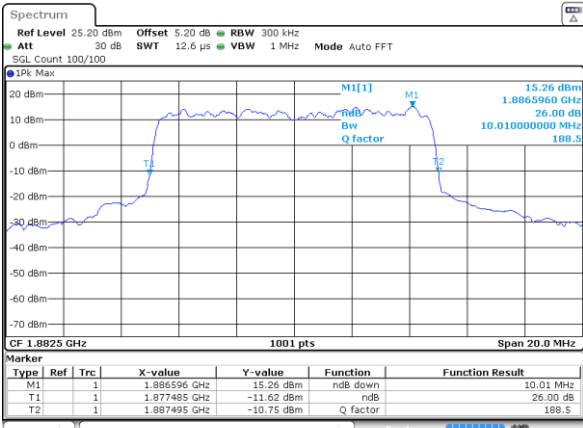
Date: 22 JUN 2022 08:18:58

16QAM



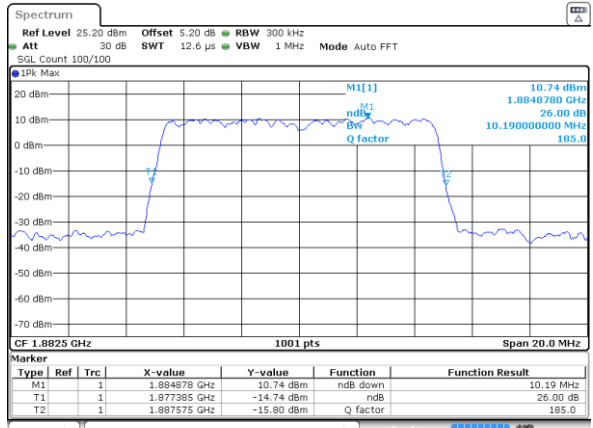
Date: 22 JUN 2022 08:19:25

64QAM



Date: 22 JUN 2022 08:20:10

256QAM

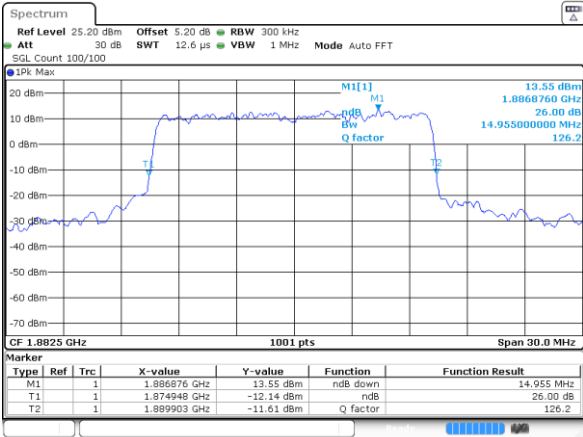


Date: 22 JUN 2022 08:20:57



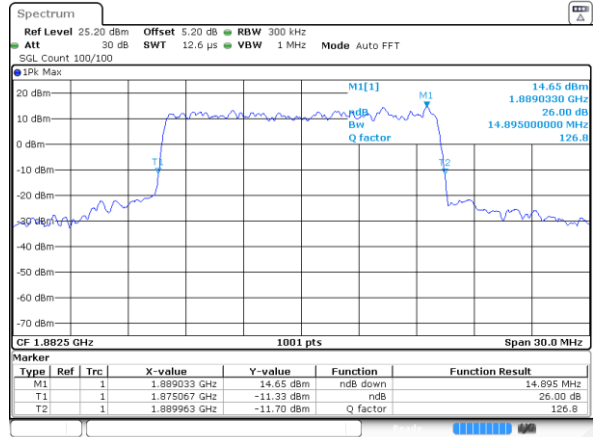
FR1 n25 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



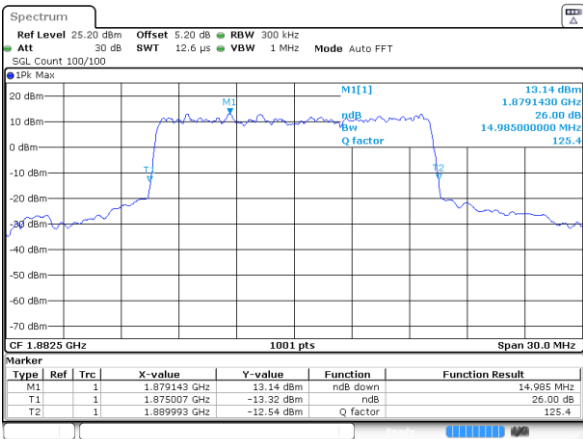
Date: 22 JUN 2022 08:45:25

16QAM



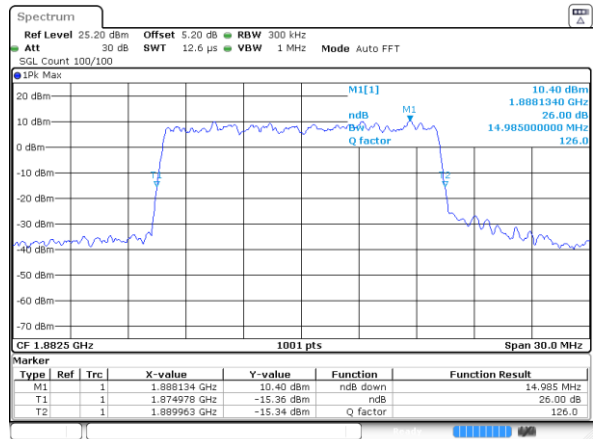
Date: 22 JUN 2022 08:46:05

64QAM



Date: 22 JUN 2022 08:46:23

256QAM

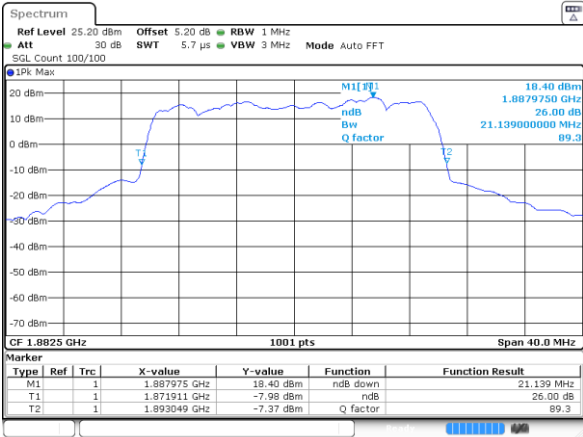


Date: 22 JUN 2022 08:47:09



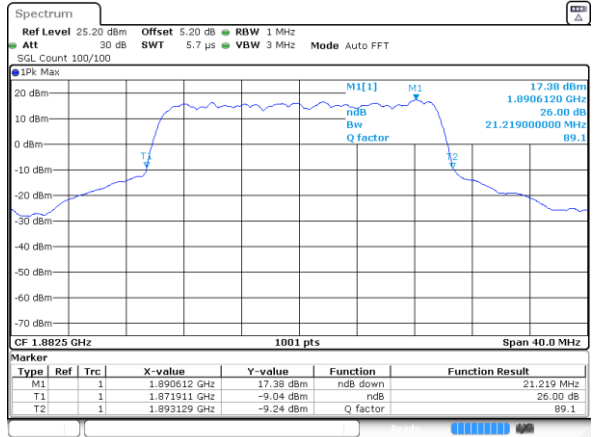
FR1 n25 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

QPSK



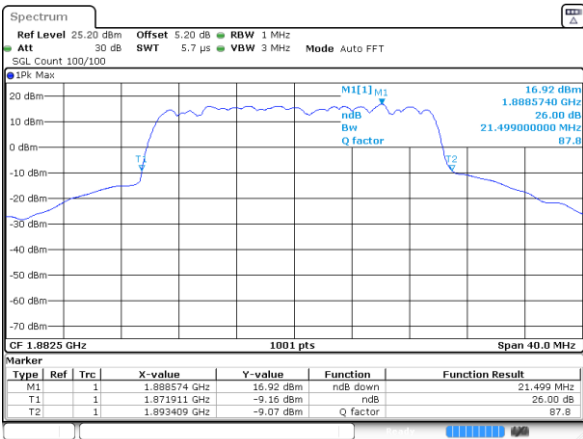
Date: 22 JUN 2022 08:54:44

16QAM



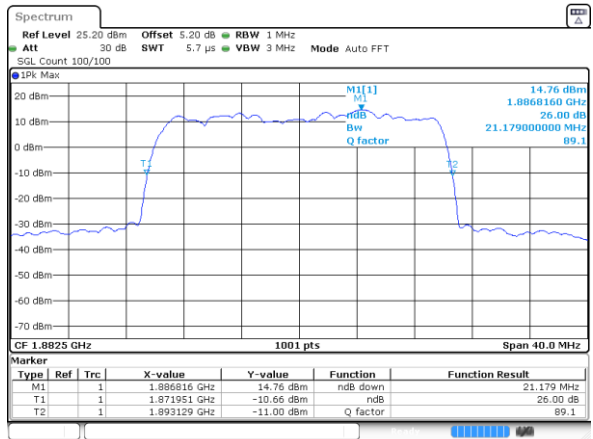
Date: 22 JUN 2022 08:55:09

64QAM



Date: 22 JUN 2022 08:55:33

256QAM

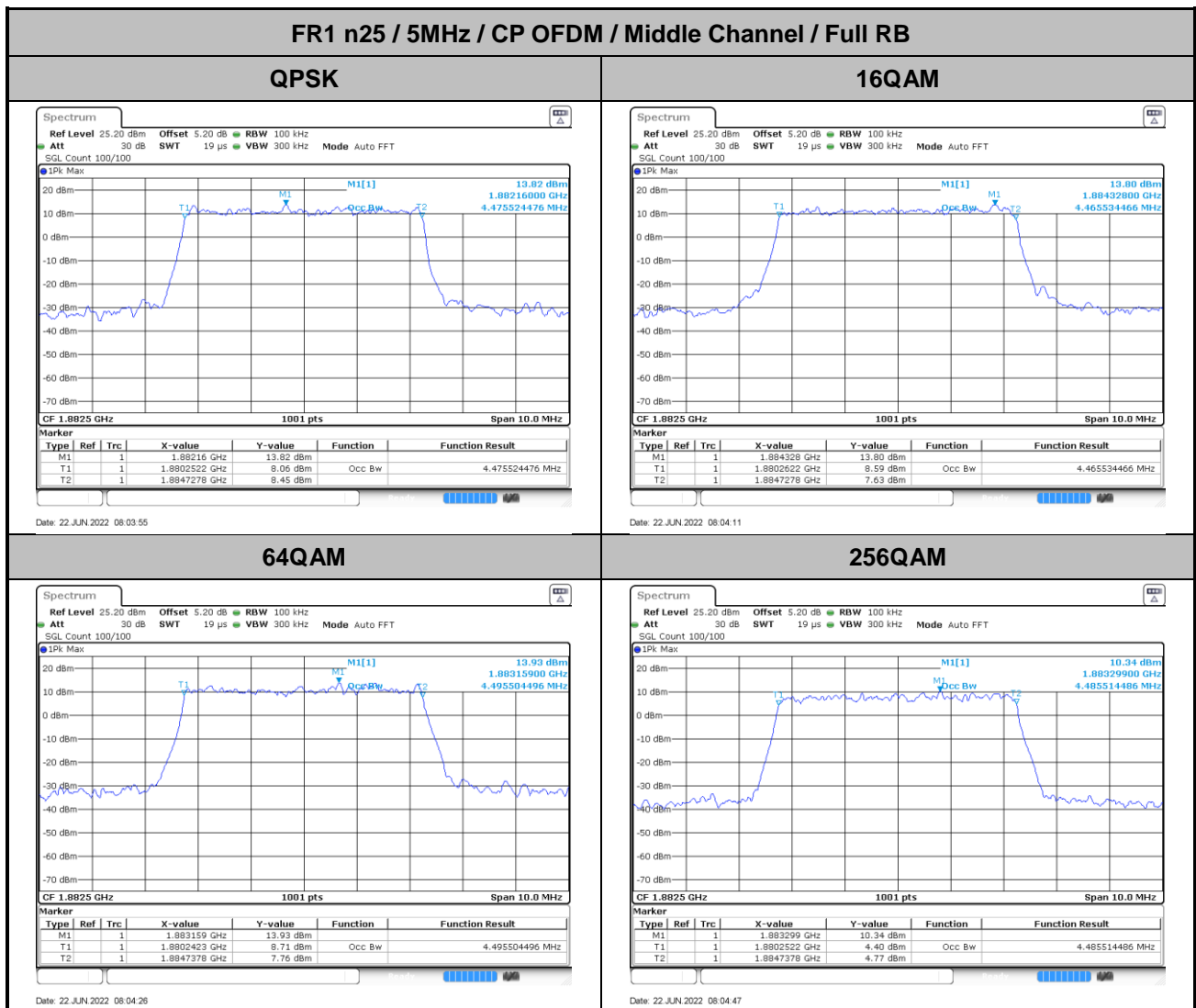


Date: 22 JUN 2022 08:56:14



Occupied Bandwidth

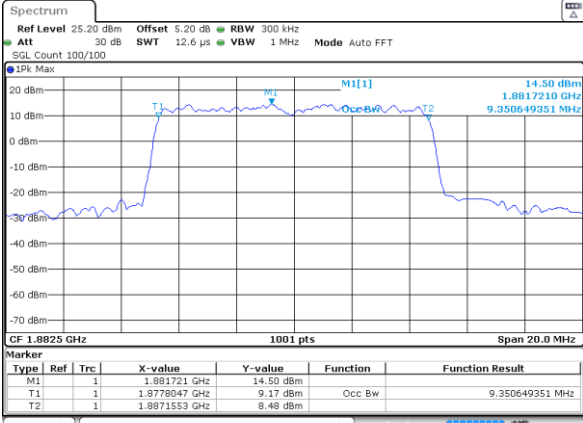
Mode	FR1 n25 : OBW (MHz) / DFT OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.47	9.35	9.35	14.18	14.12	19.38	19.42
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.50	4.49	9.41	9.33	14.18	14.18	19.50	19.42





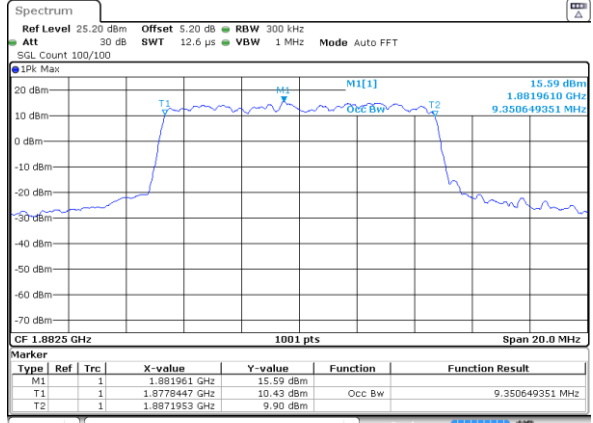
FR1 n25 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



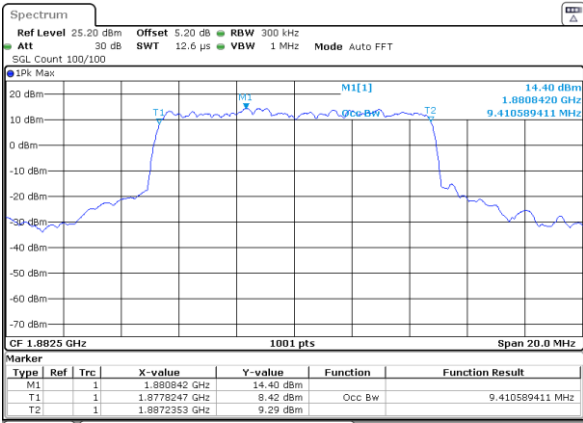
Date: 22 JUN 2022 08:18:51

16QAM



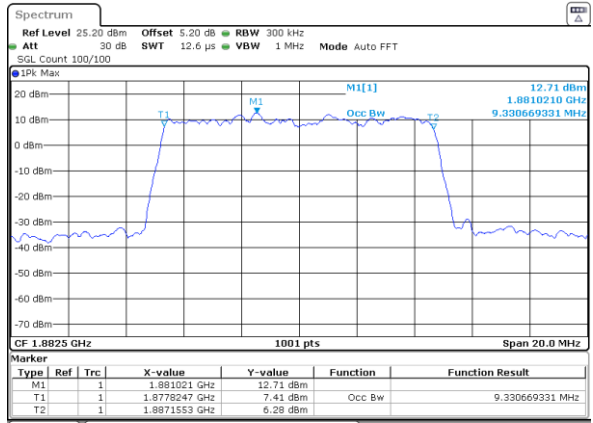
Date: 22 JUN 2022 08:19:10

64QAM



Date: 22 JUN 2022 08:19:55

256QAM

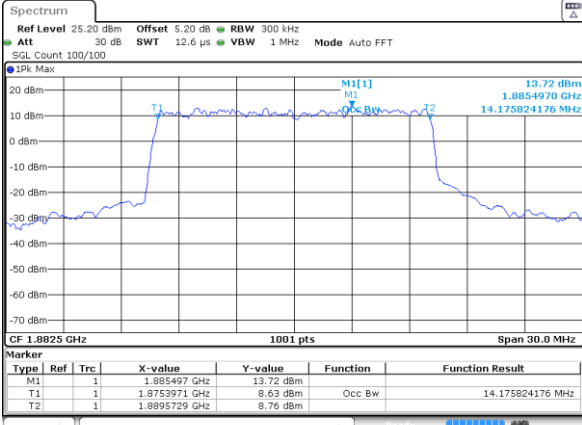


Date: 22 JUN 2022 08:20:34



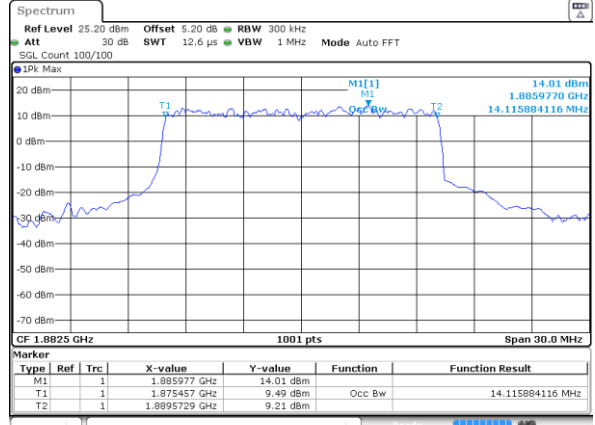
FR1 n25 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



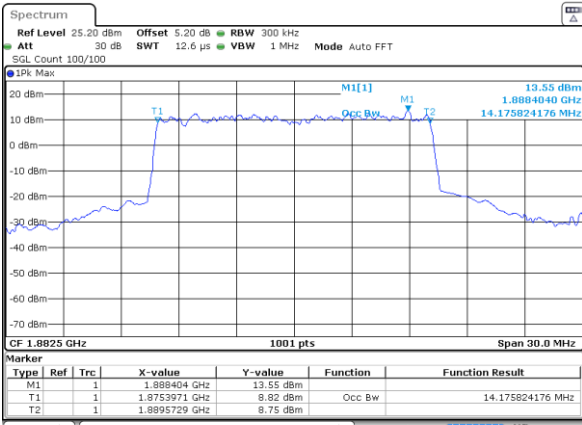
Date: 22 JUN 2022 08:45:19

16QAM



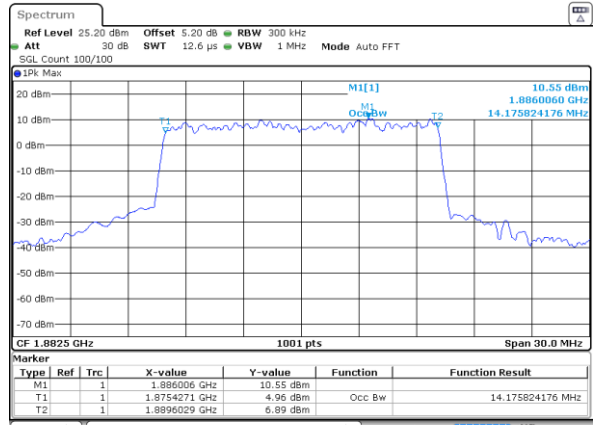
Date: 22 JUN 2022 08:45:53

64QAM



Date: 22 JUN 2022 08:46:15

256QAM

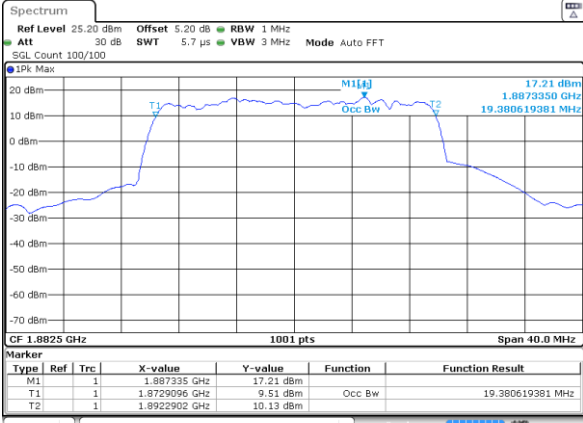


Date: 22 JUN 2022 08:47:02



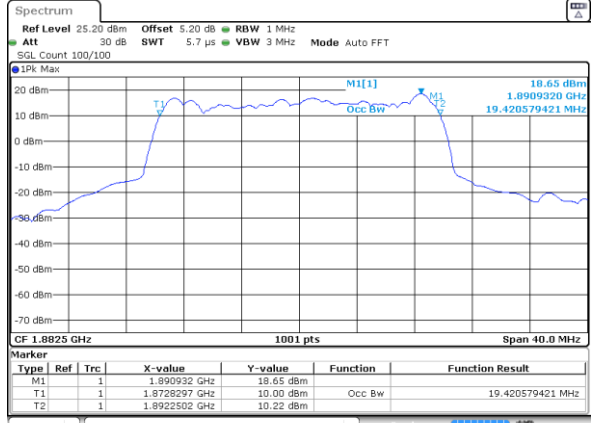
FR1 n25 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

QPSK



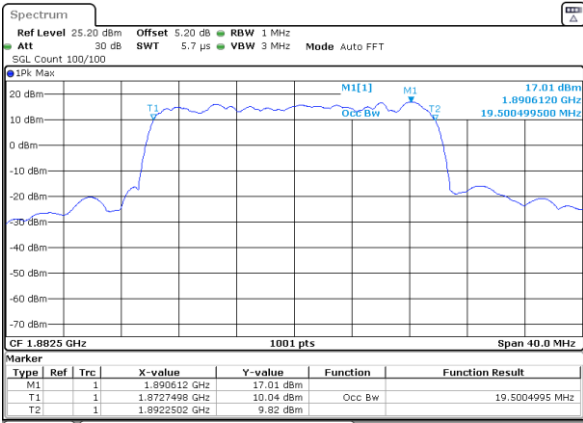
Date: 22 JUN 2022 08:54:38

16QAM



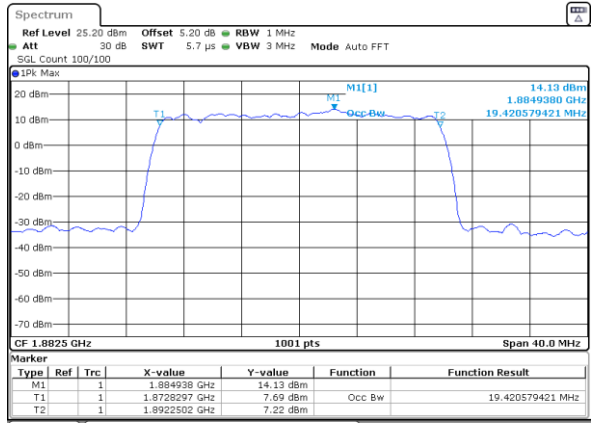
Date: 22 JUN 2022 08:55:01

64QAM



Date: 22 JUN 2022 08:55:22

256QAM



Date: 22 JUN 2022 08:56:04

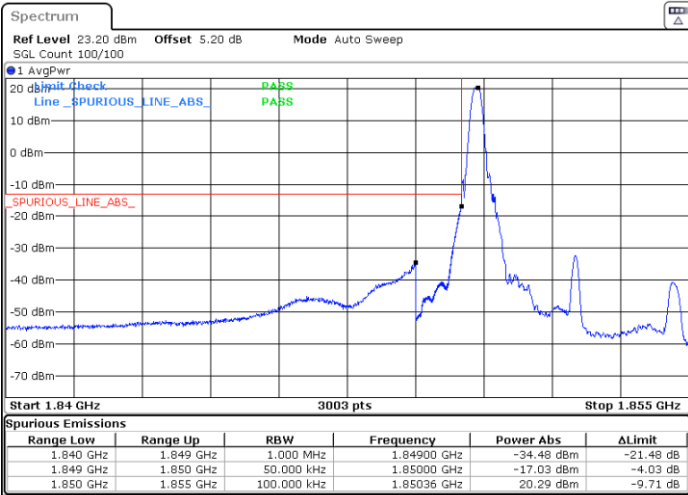


Conducted Band Edge

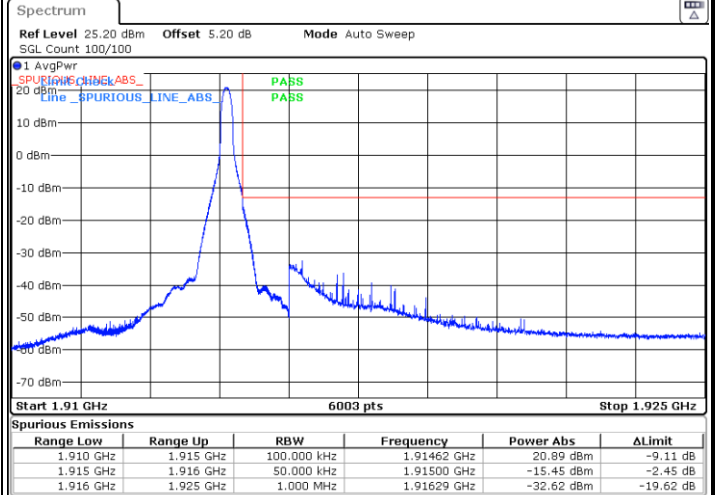
FR1 n25 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



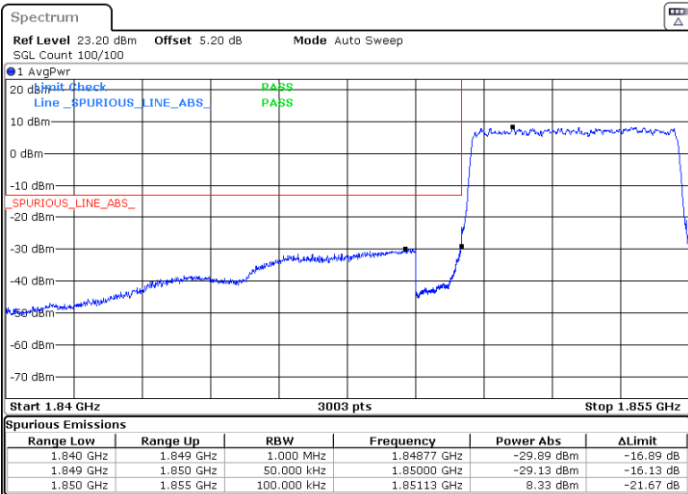
Date: 22 JUN 2022 07:58:32



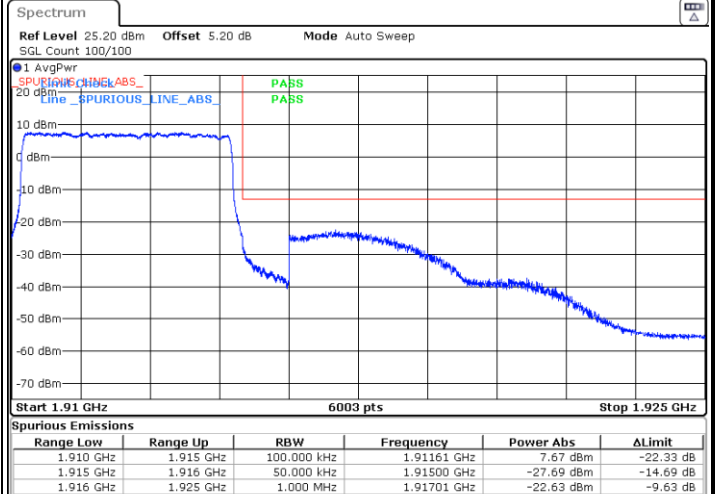
Date: 22 JUN 2022 08:08:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22 JUN 2022 07:59:41



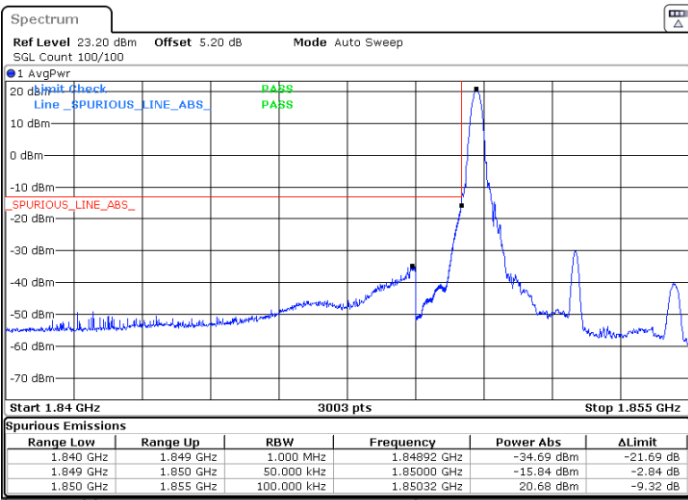
Date: 22 JUN 2022 08:06:28



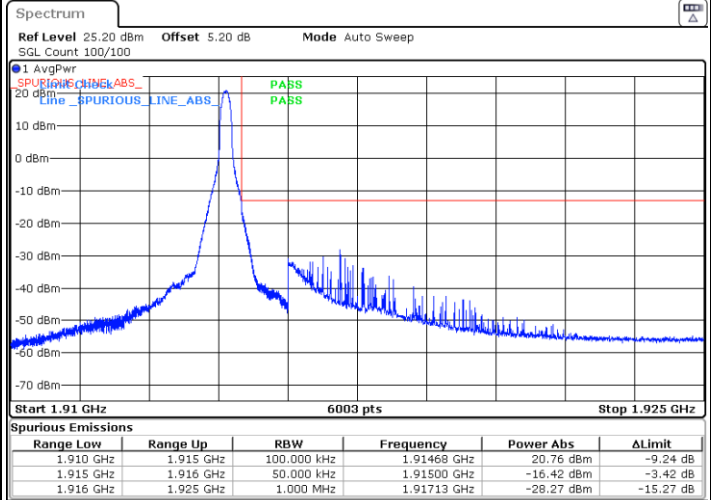
FR1 n25 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



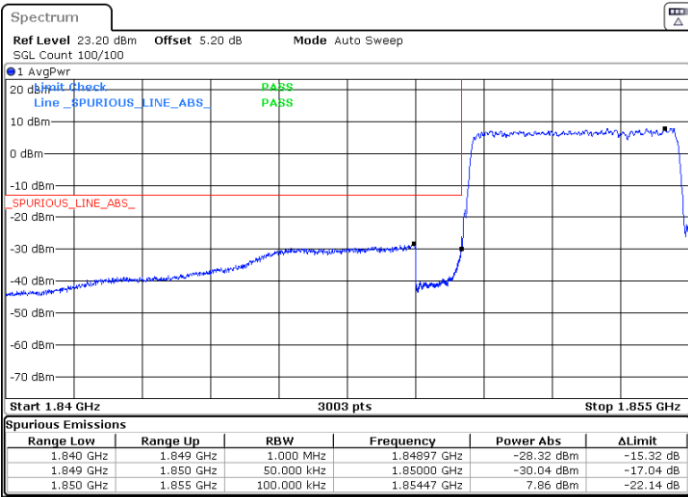
Date: 22 JUN 2022 07:58:58



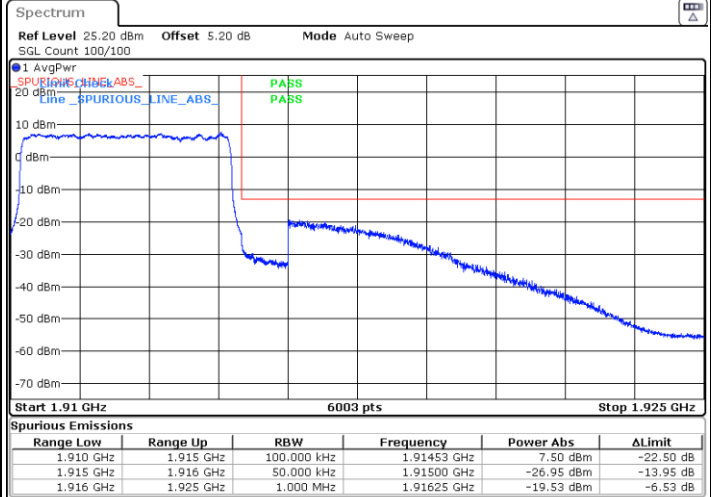
Date: 22 JUN 2022 08:07:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22 JUN 2022 07:59:20



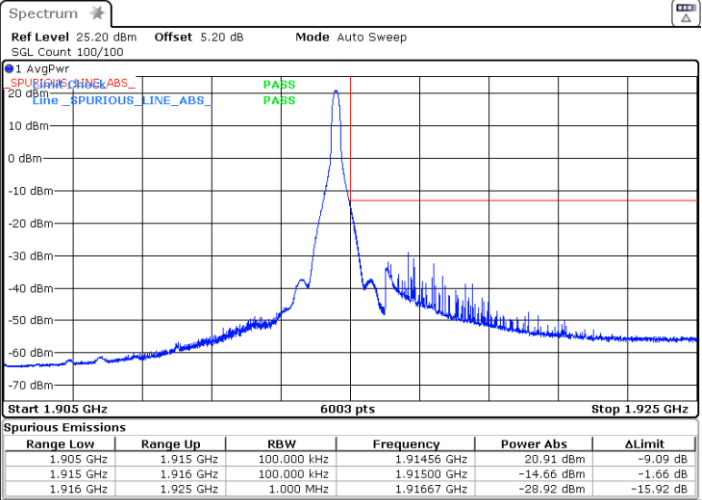
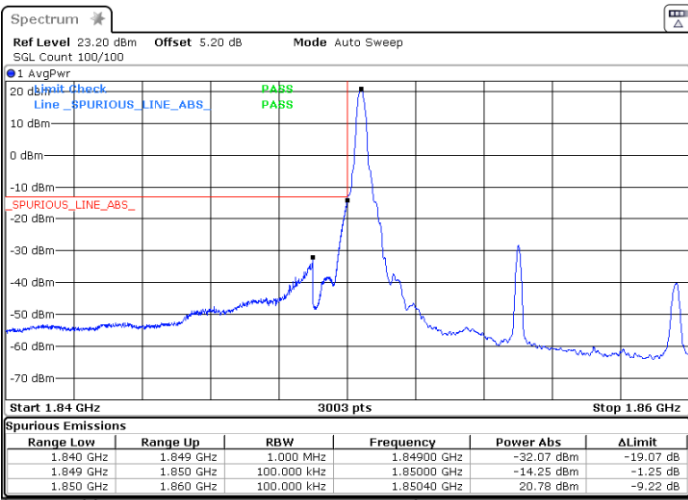
Date: 22 JUN 2022 08:06:59



FR1 n25 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

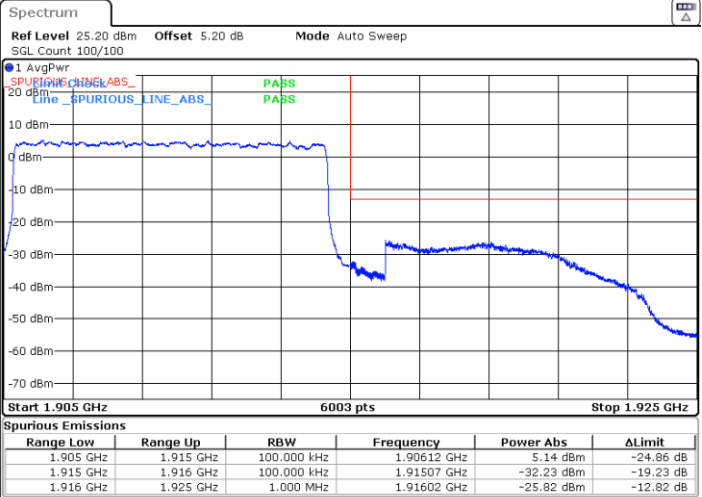
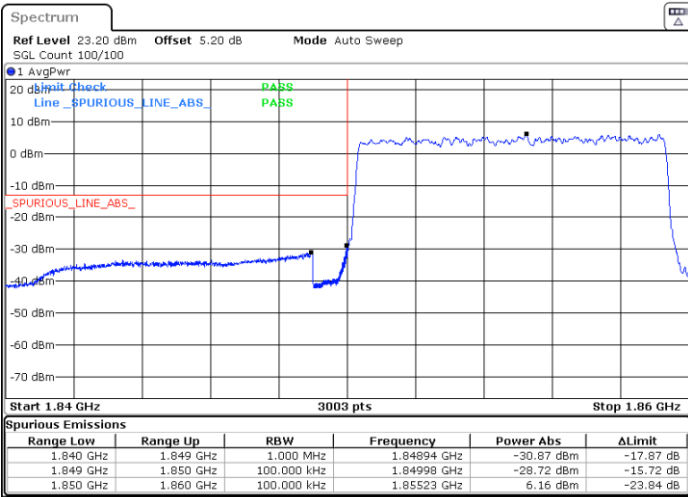


Date: 22 JUN 2022 08:12:39

Date: 22 JUN 2022 08:37:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22 JUN 2022 08:14:23

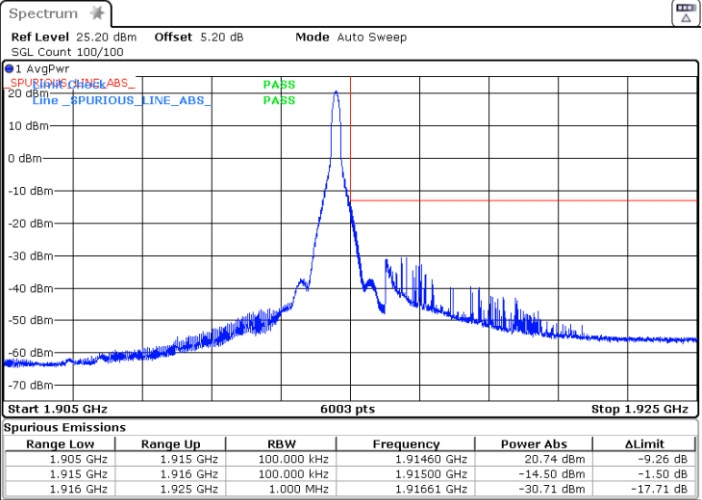
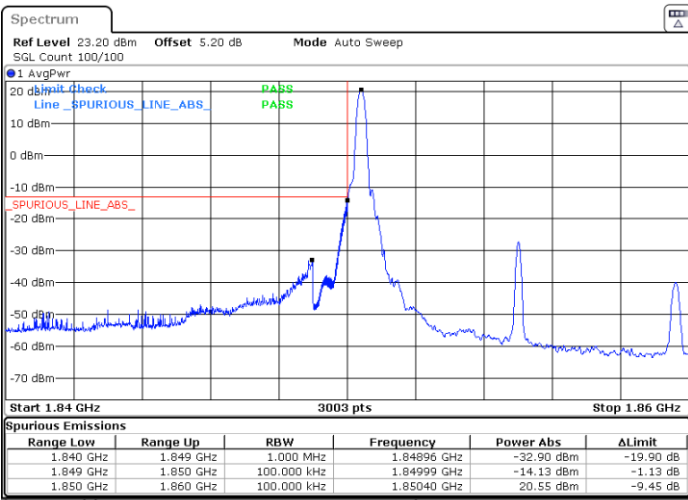
Date: 22 JUN 2022 08:23:52



FR1 n25 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

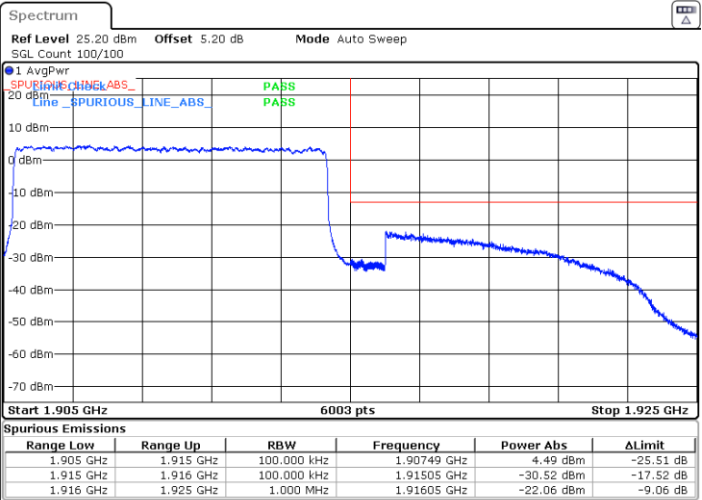
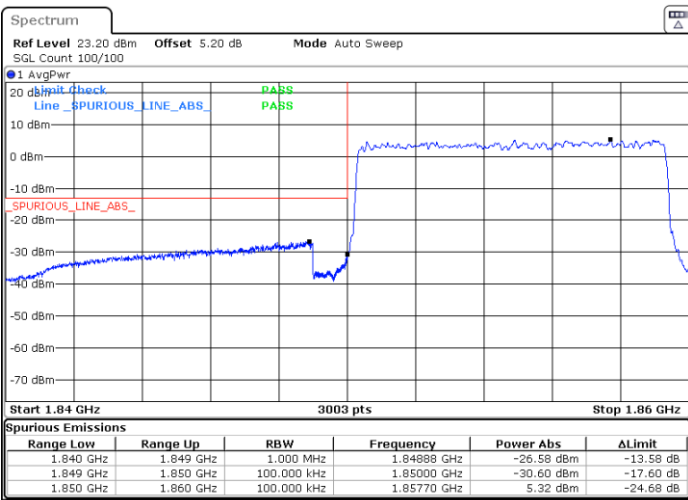


Date: 22 JUN 2022 08:13:17

Date: 22 JUN 2022 08:28:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22 JUN 2022 08:14:03

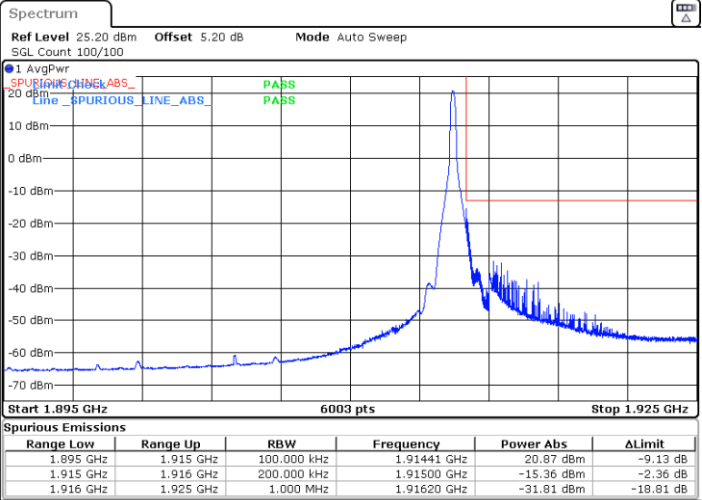
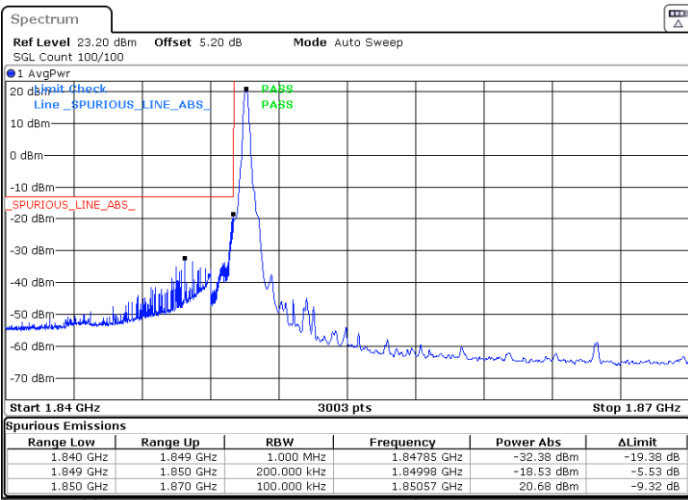
Date: 22 JUN 2022 08:26:26



FR1 n25 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

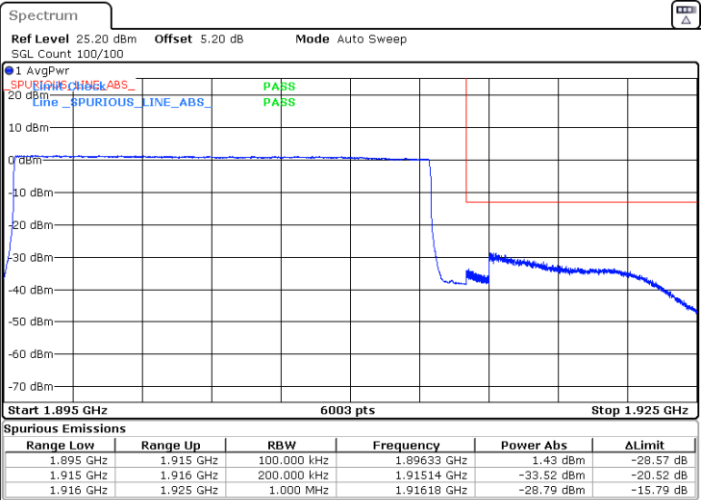
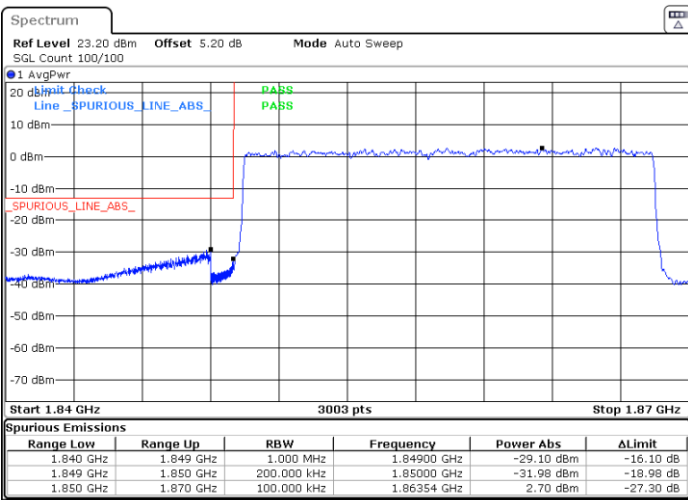


Date: 22 JUN 2022 08:48:50

Date: 22 JUN 2022 09:02:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22 JUN 2022 08:49:31

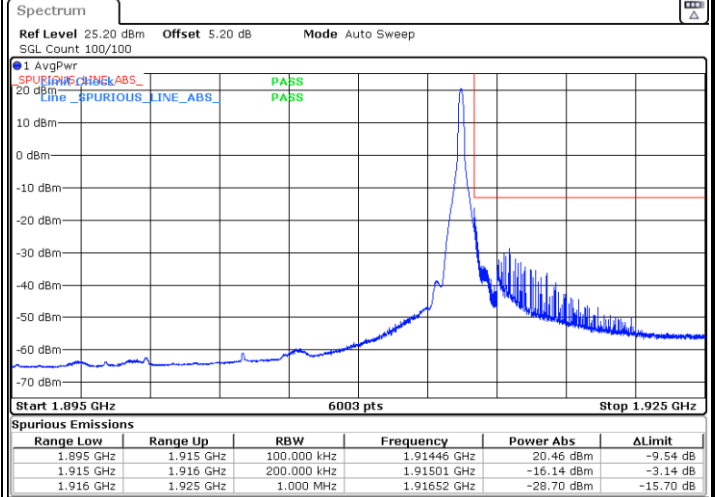
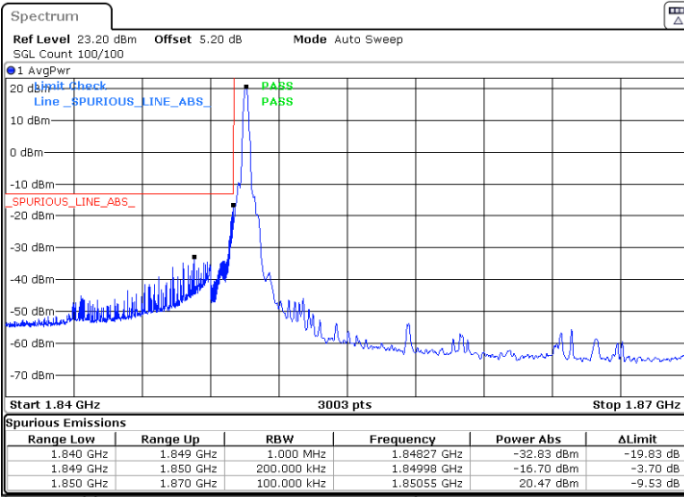
Date: 22 JUN 2022 08:58:16



FR1 n25 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

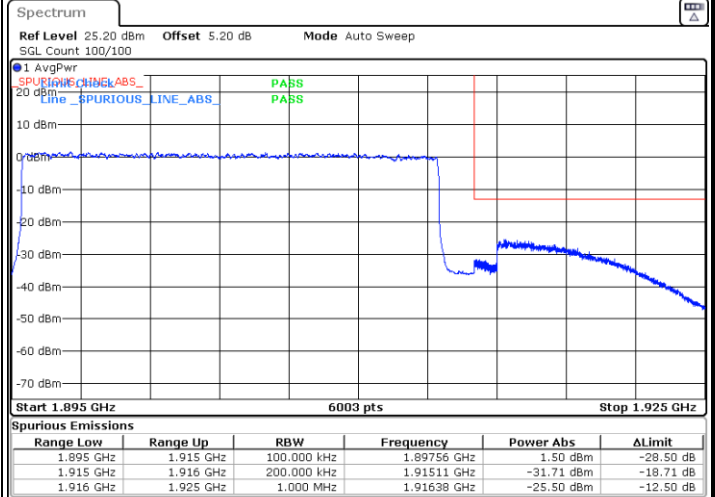
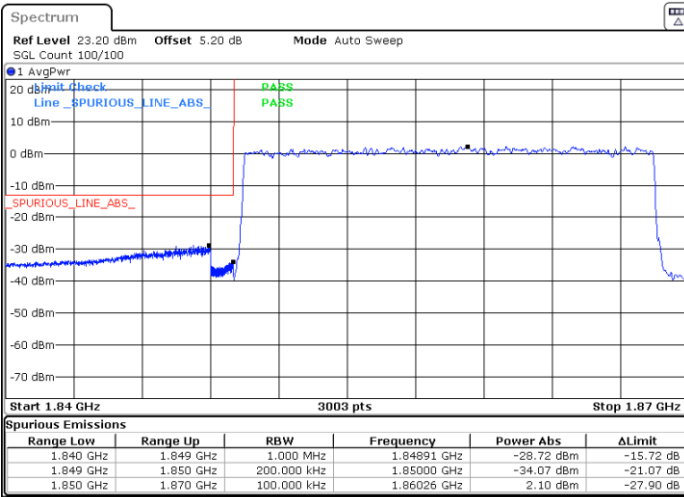


Date: 22 JUN 2022 08:49:03

Date: 22 JUN 2022 09:00:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22 JUN 2022 08:49:18

Date: 22 JUN 2022 08:59:47

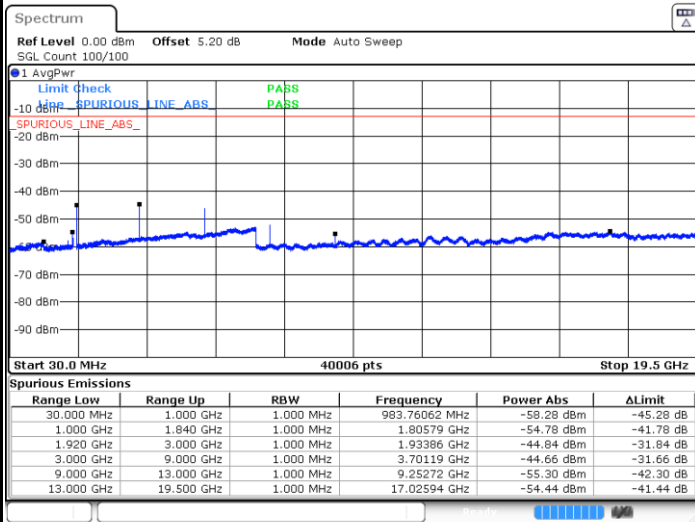


Conducted Spurious Emission

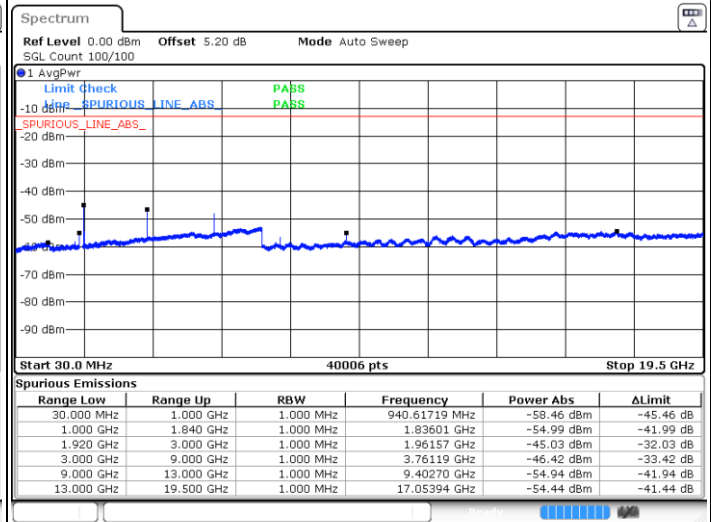
FR1 n25 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

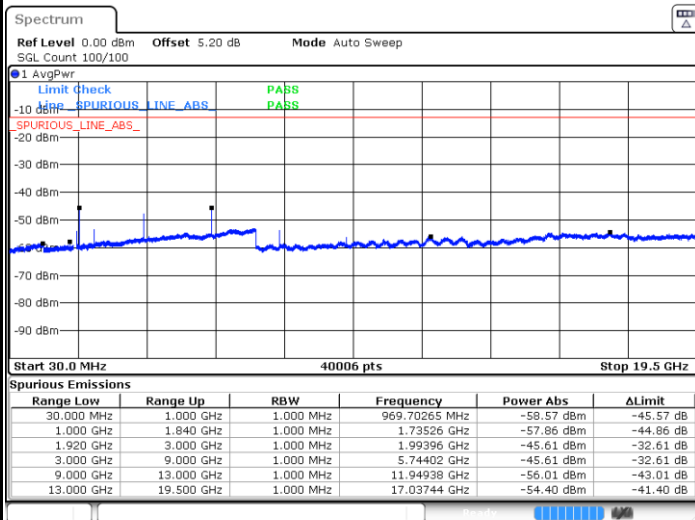


Date: 22 JUN 2022 08:00:39



Date: 22 JUN 2022 08:03:07

Highest Channel / 1RB1



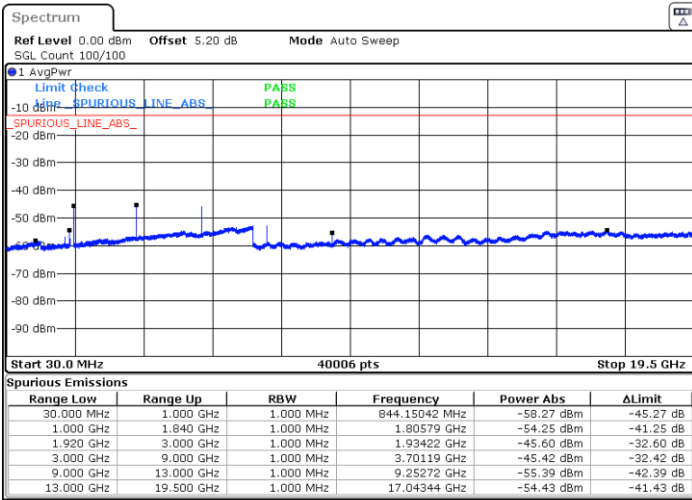
Date: 22 JUN 2022 08:09:01



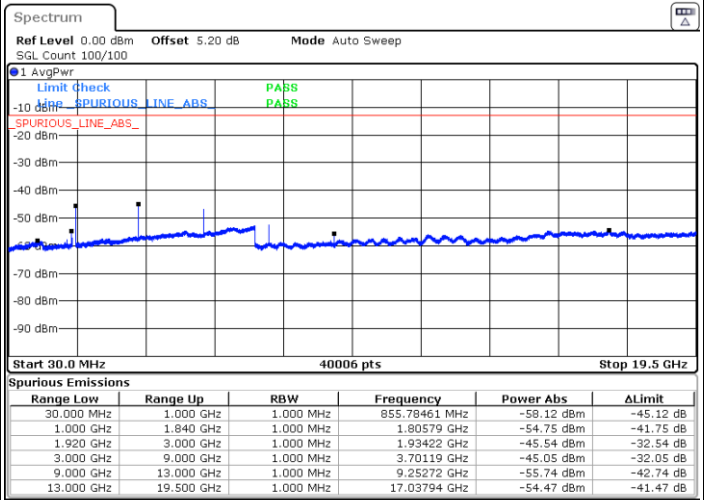
FR1 n25 / 2MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

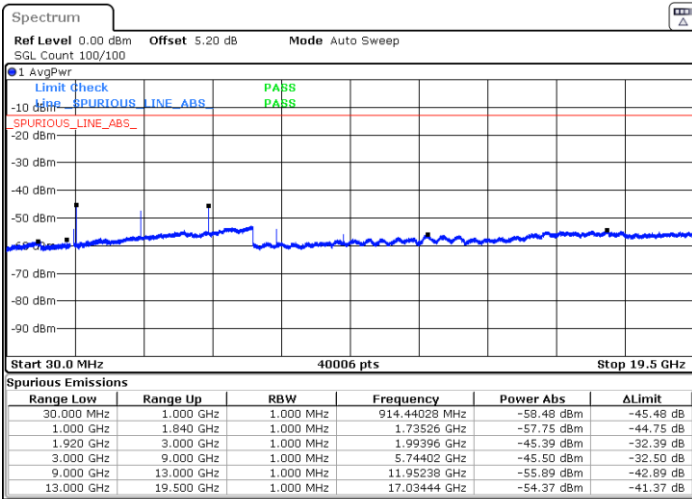


Date: 22 JUN 2022 08:01:22



Date: 22 JUN 2022 08:02:15

Highest Channel / 1RB1



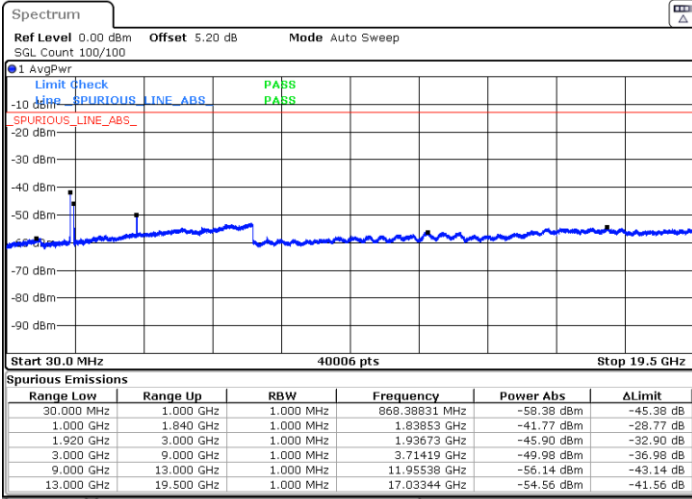
Date: 22 JUN 2022 08:11:04



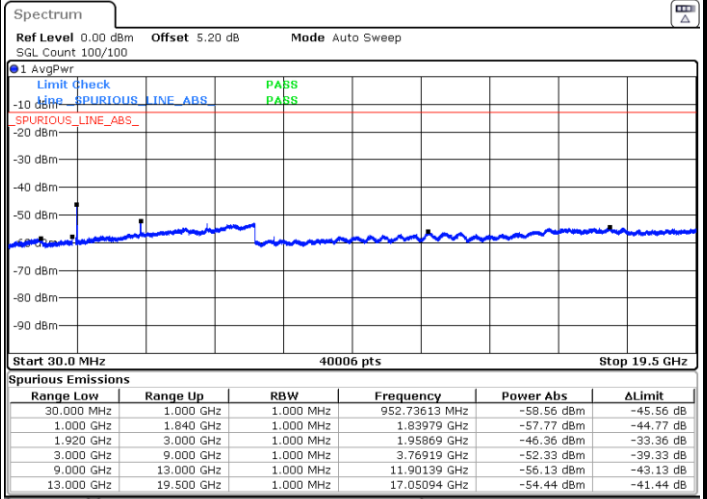
FR1 n25 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

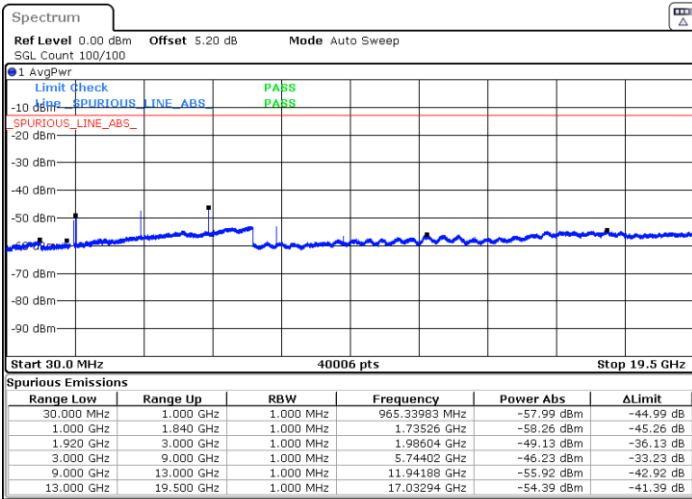


Date: 22 JUN 2022 08:15:22



Date: 22 JUN 2022 08:18:09

Highest Channel / 1RB1



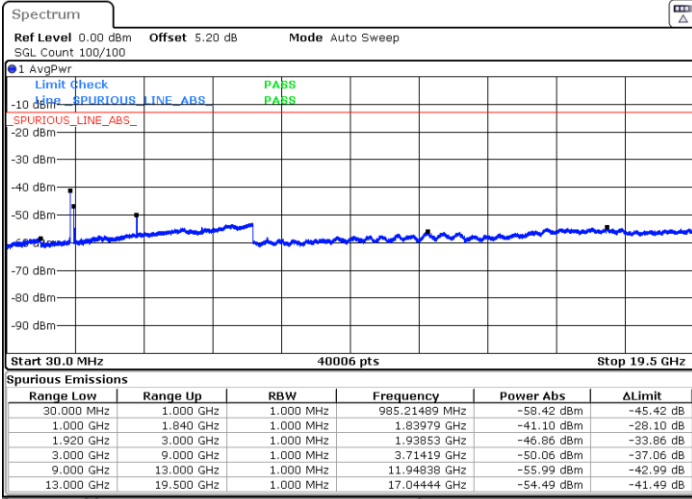
Date: 22 JUN 2022 08:41:00



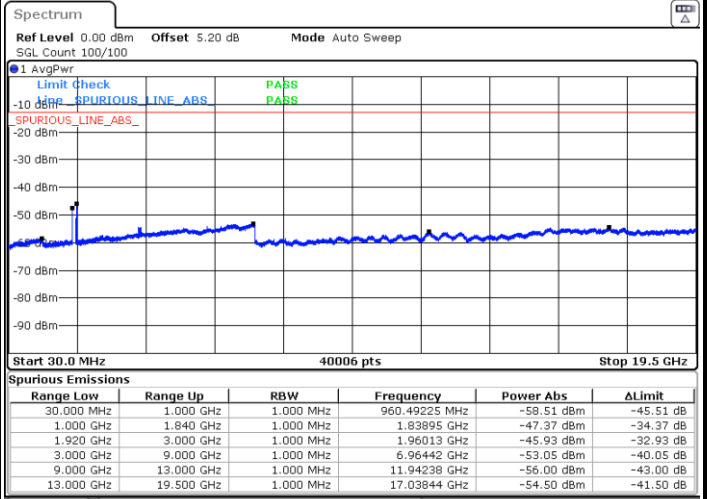
FR1 n25 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

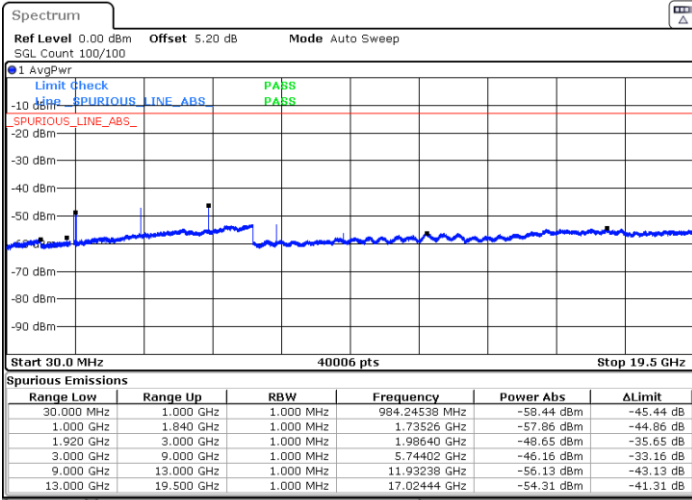


Date: 22 JUN 2022 08:16:06



Date: 22 JUN 2022 08:17:16

Highest Channel / 1RB1



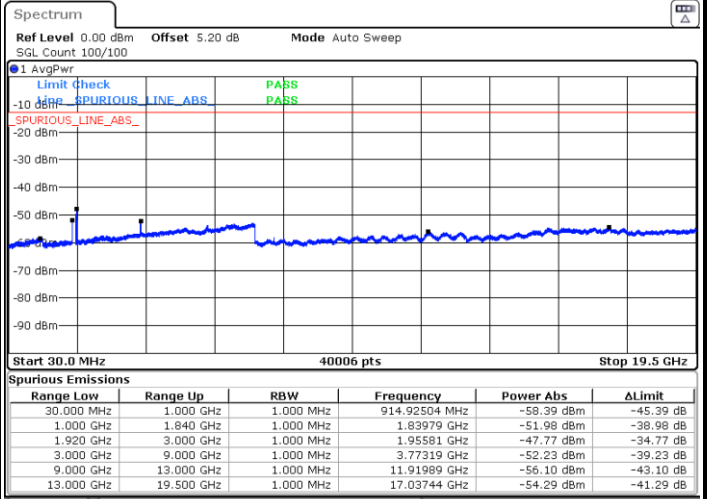
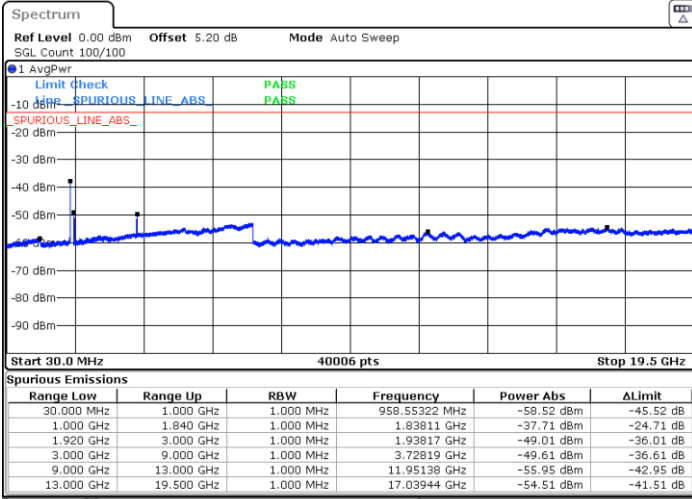
Date: 22 JUN 2022 08:44:19



FR1 n25 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

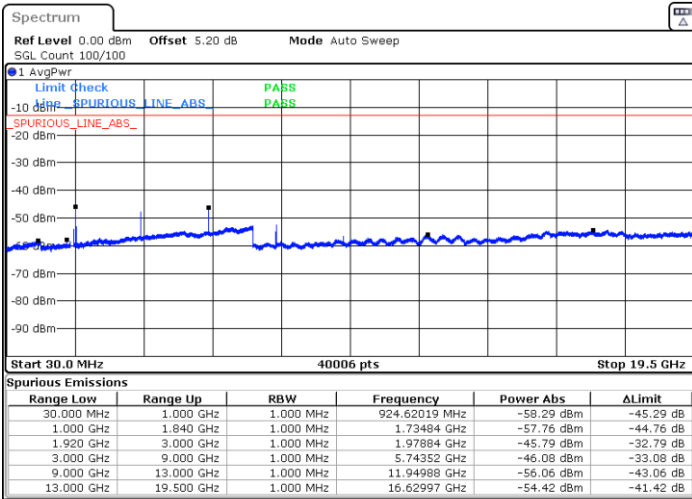
Middle Channel / 1RB1



Date: 22 JUN 2022 08:50:27

Date: 22 JUN 2022 08:53:28

Highest Channel / 1RB1



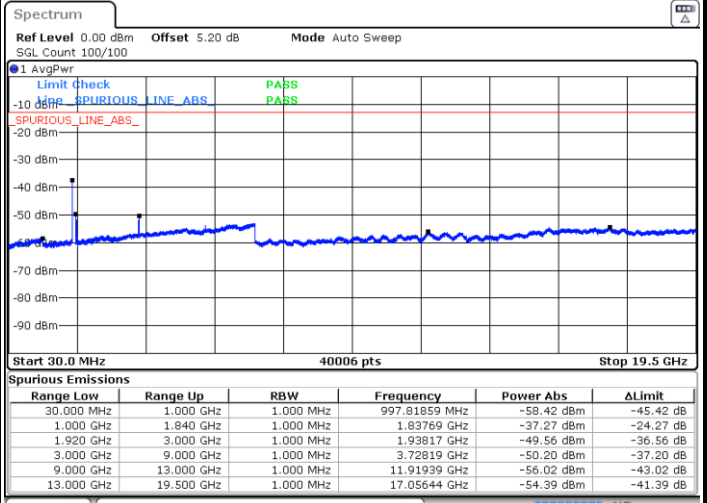
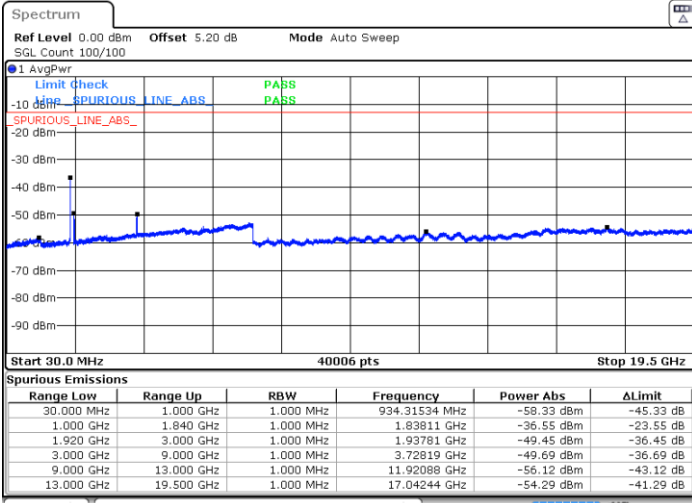
Date: 22 JUN 2022 09:03:01



FR1 n25 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

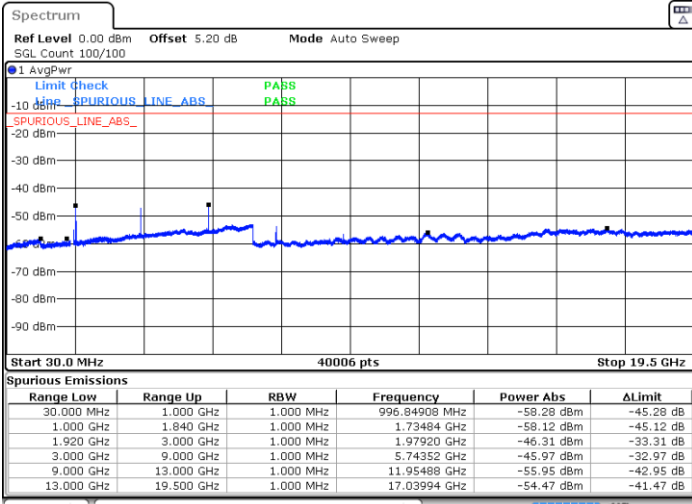
Middle Channel / 1RB1



Date: 22 JUN 2022 08:51:45

Date: 22 JUN 2022 08:52:49

Highest Channel / 1RB1



Date: 22 JUN 2022 09:04:18



Frequency Stability

Test Conditions		FR1 n25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
20	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0040	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0034	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0029	
20	Battery End Point	0.0016	

Note:

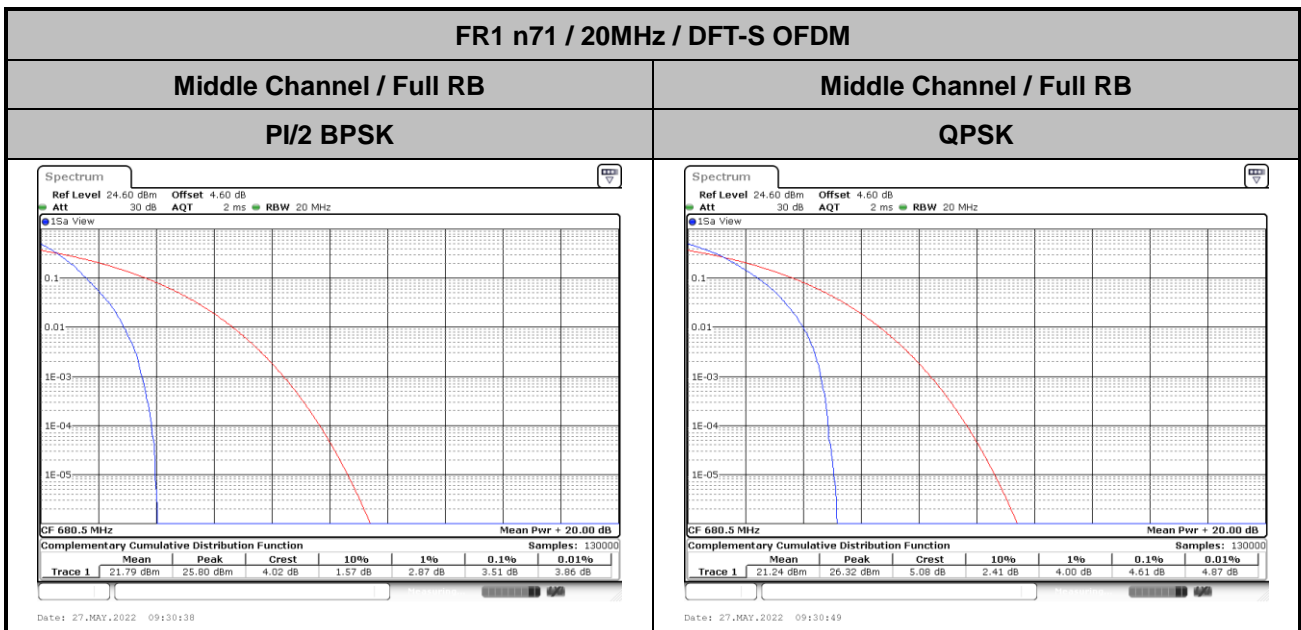
1. Normal Voltage =3.87V. ; Battery End Point (BEP) =3. 55V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n71

Peak-to-Average Ratio

Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK			Limit: 13dB
RB Size	Full RB	Full RB			Result
Middle CH	3.51	4.61			





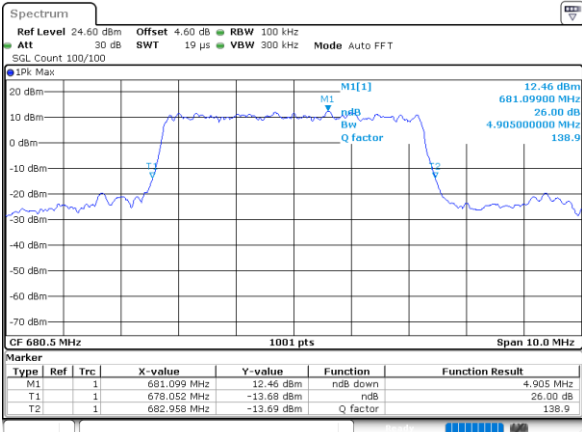
26dB Bandwidth

Mode	FR1 n71: 26dB / DFT-S OFDM			
BW	5MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	4.91	5.10	4.99	4.97
BW	10MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	10.07	10.09	10.07	10.19
BW	15MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	14.87	14.93	14.99	14.90
BW	20MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	21.14	21.42	21.18	21.30



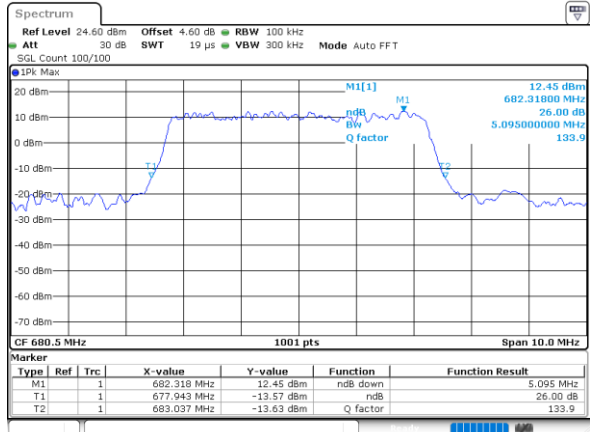
5M

QPSK



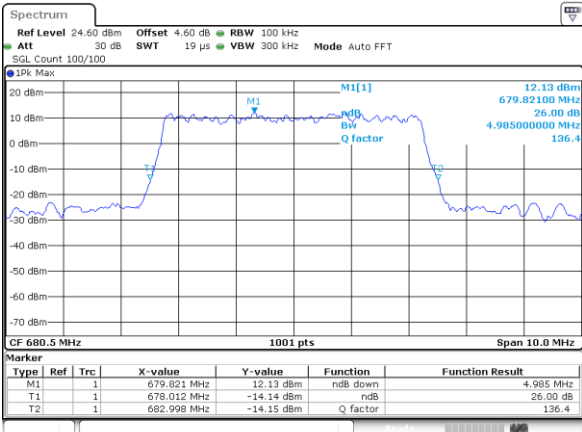
Date: 27.MAY.2022 07:55:59

16QAM



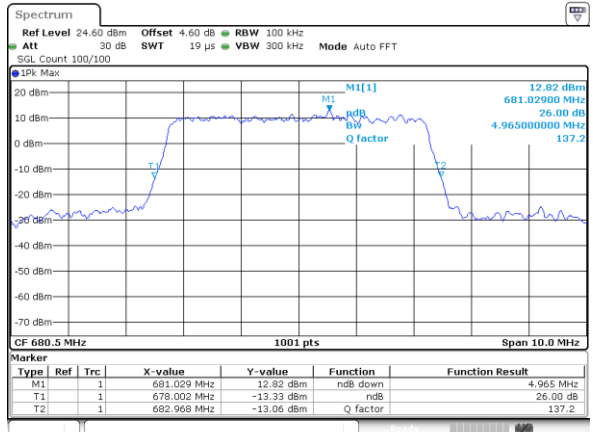
Date: 27.MAY.2022 07:15:127

64QAM



Date: 12.JUN.2022 11:26:57

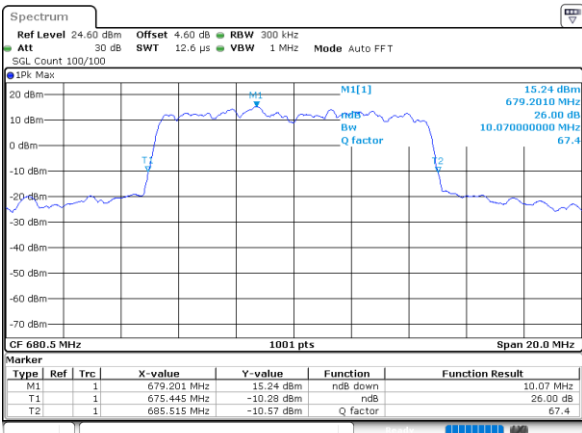
256QAM



Date: 12.JUN.2022 11:27:21

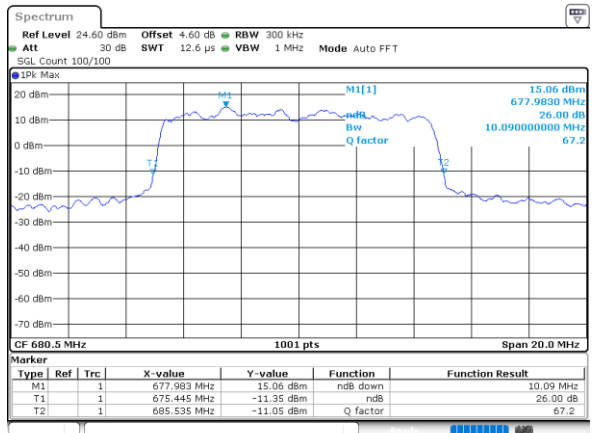
10M

QPSK

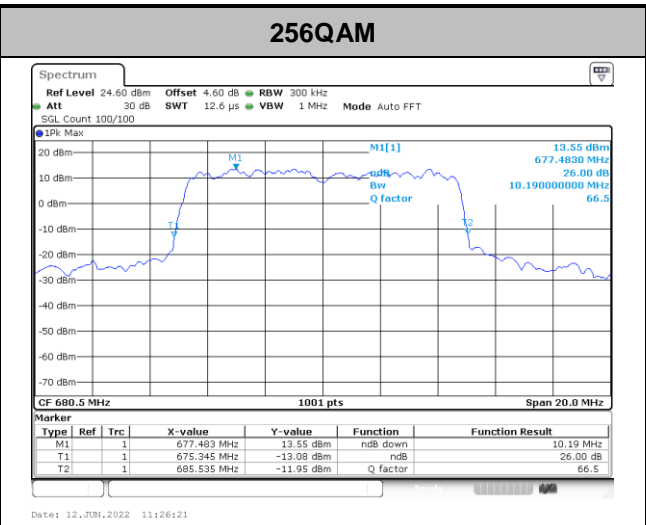
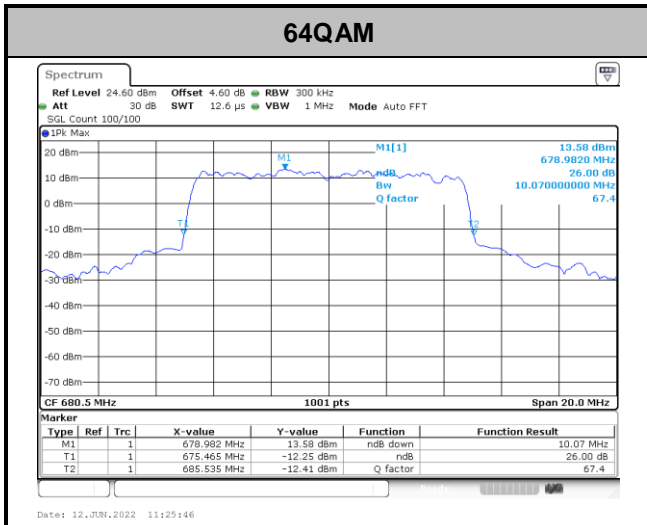


Date: 27.MAY.2022 07:57:38

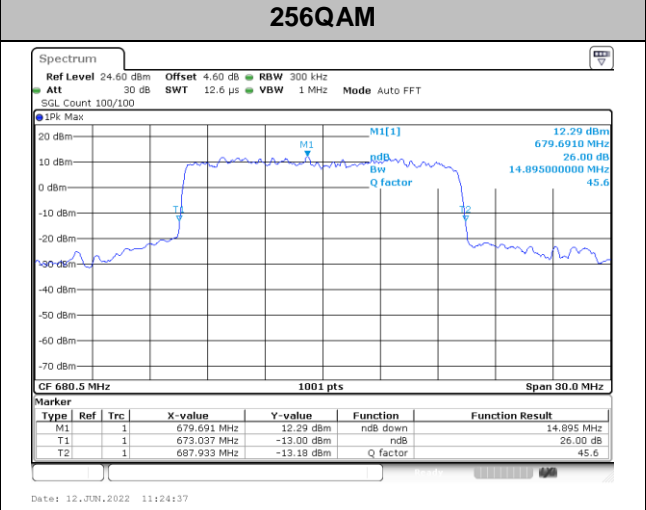
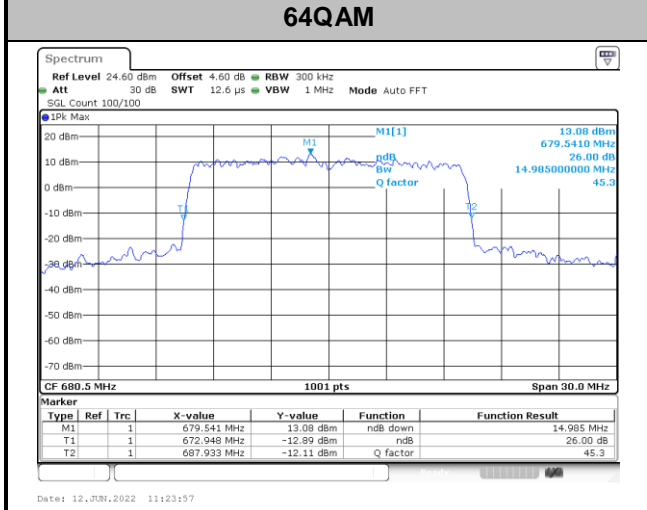
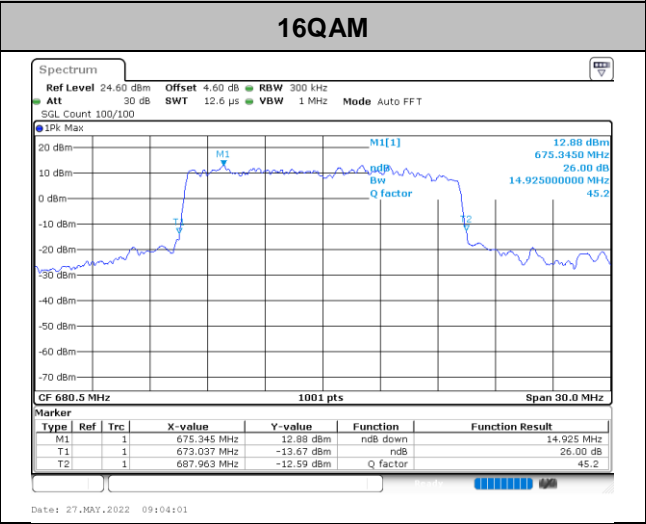
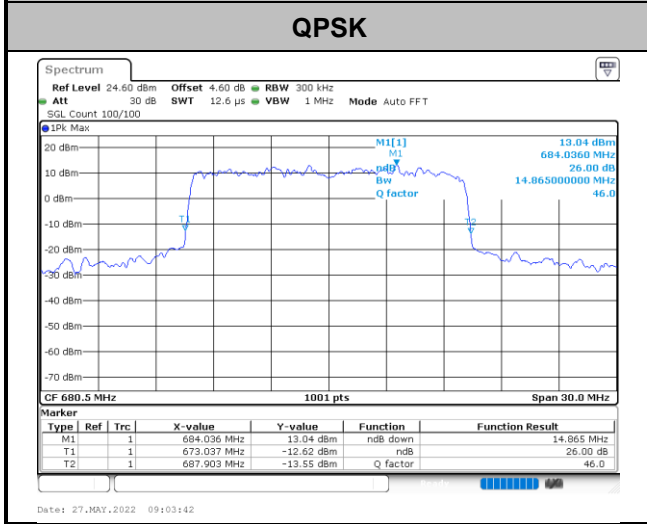
16QAM



Date: 27.MAY.2022 07:15:7120



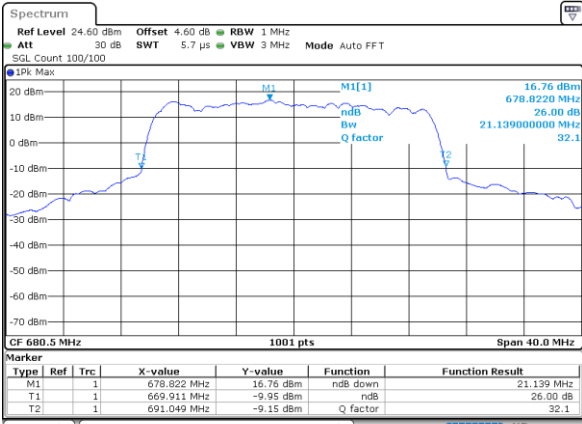
15M





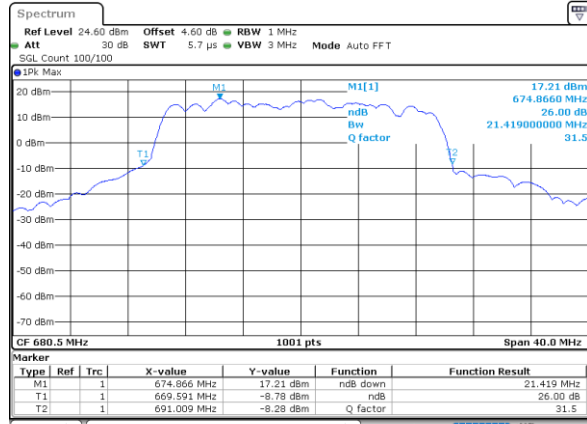
20M

QPSK



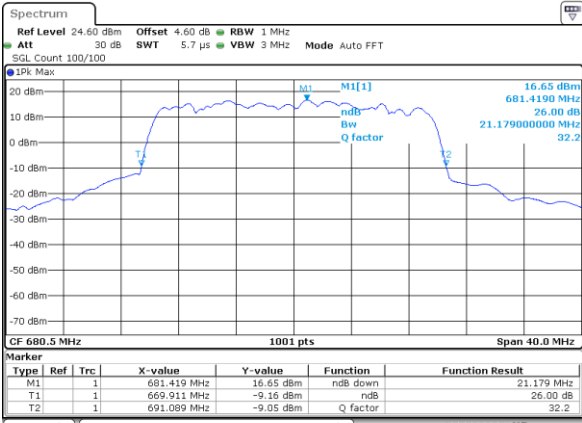
Date: 27.MAY.2022 09:32:06

16QAM



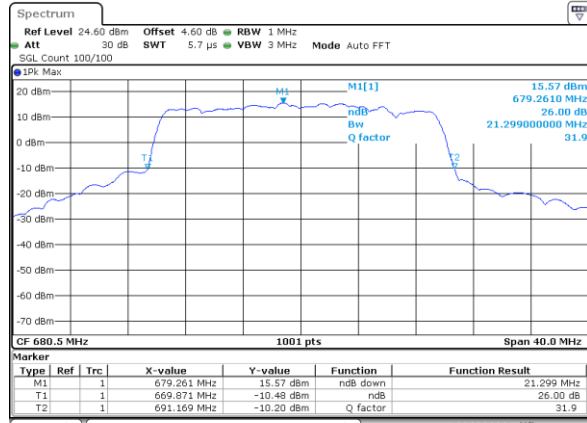
Date: 27.MAY.2022 09:32:22

64QAM



Date: 12.JUN.2022 11:21:35

256QAM



Date: 12.JUN.2022 11:22:19



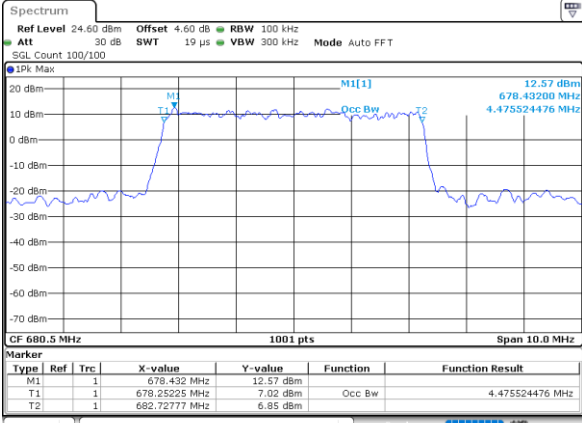
Occupied Bandwidth

Mode	FR1 n71: OB / DFT-S OFDM			
BW	5MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	4.48	4.51	4.48	4.53
BW	10MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	9.33	9.31	9.33	9.39
BW	15MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	14.12	14.06	14.12	14.12
BW	20MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	19.18	19.10	19.26	19.38

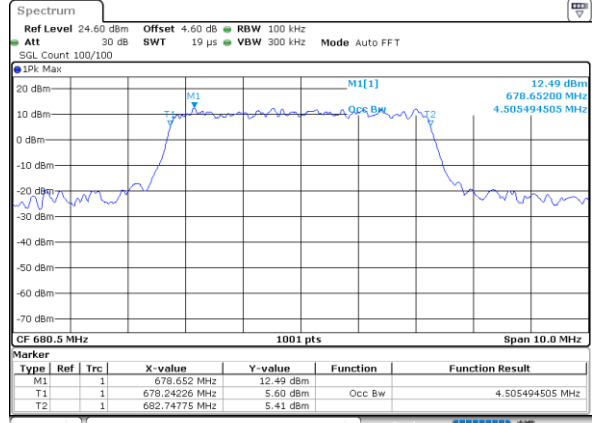


5M

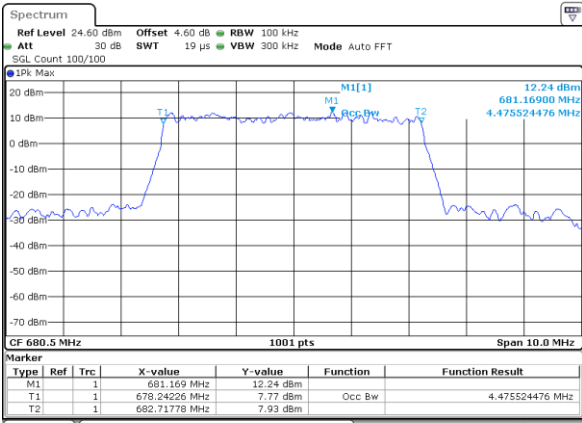
QPSK



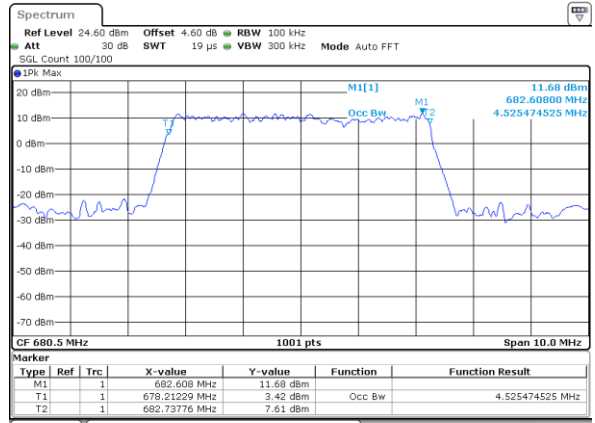
16QAM



64QAM

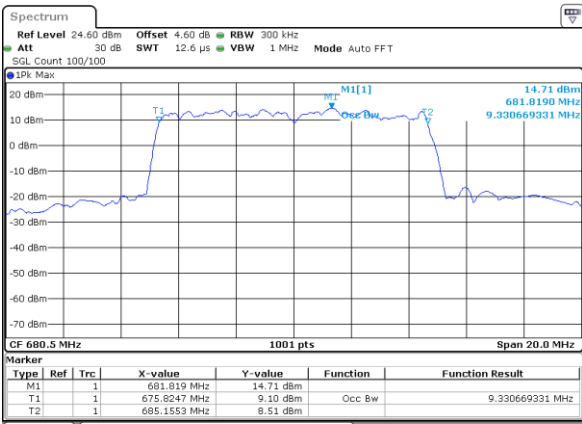


256QAM

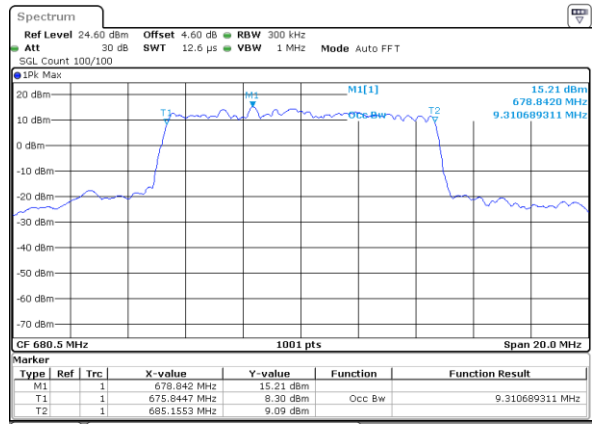


10M

QPSK

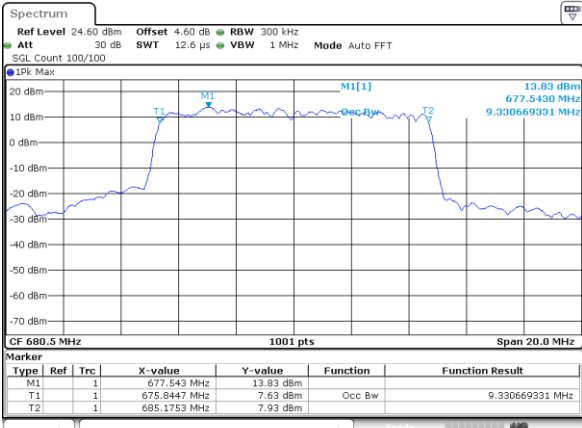


16QAM



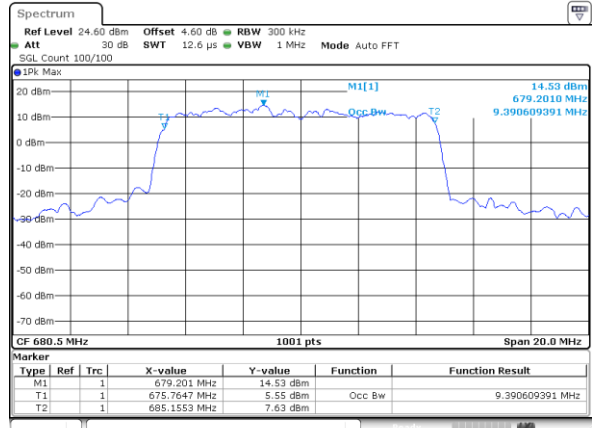


64QAM



Date: 12 JUN 2022 11:25:53

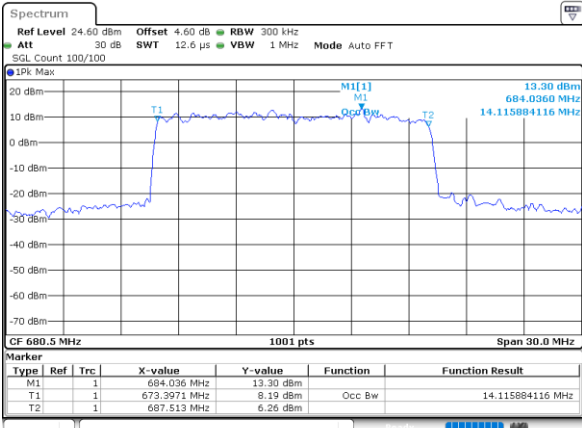
256QAM



Date: 12 JUN 2022 11:26:28

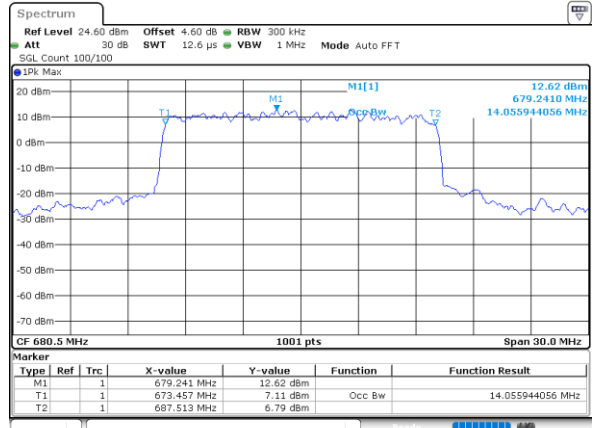
15M

QPSK



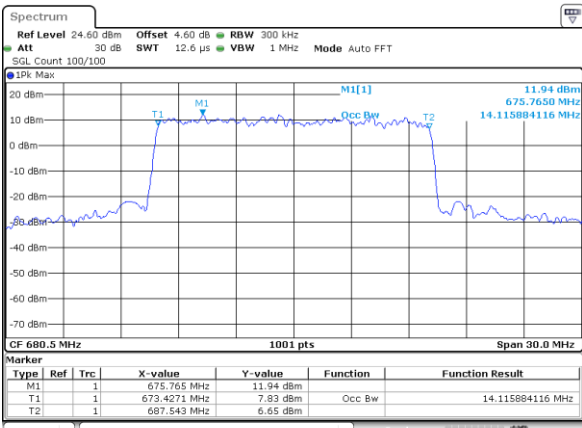
Date: 27 MAY 2022 09:03:36

16QAM



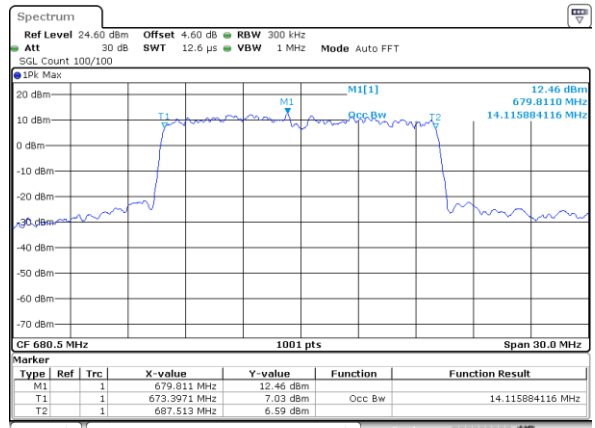
Date: 27 MAY 2022 09:03:54

64QAM



Date: 12 JUN 2022 11:24:09

256QAM

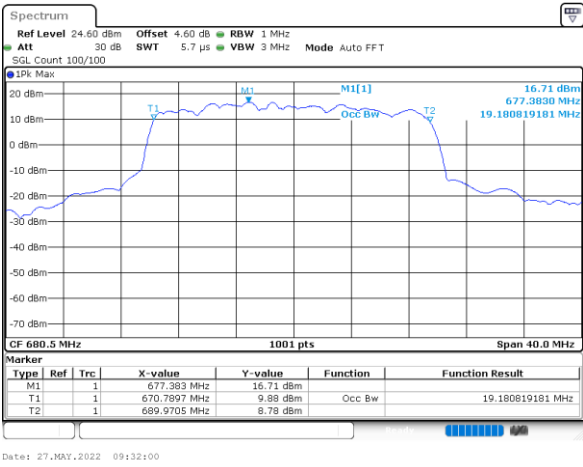


Date: 12 JUN 2022 11:25:01

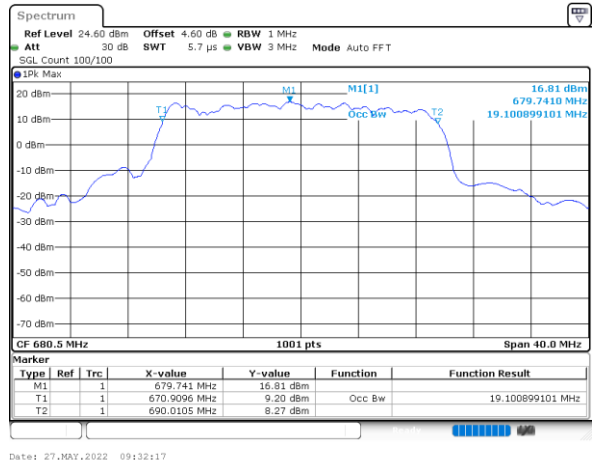


20M

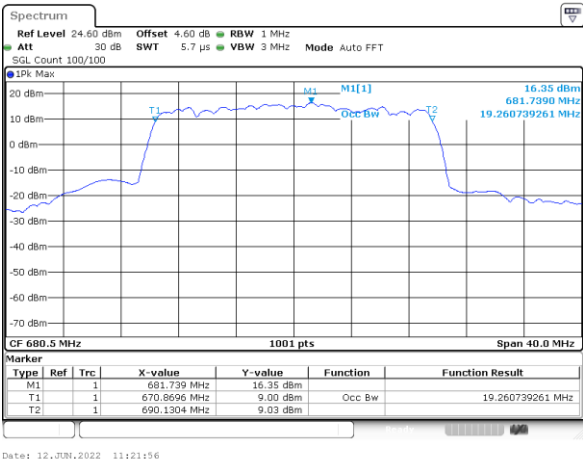
QPSK



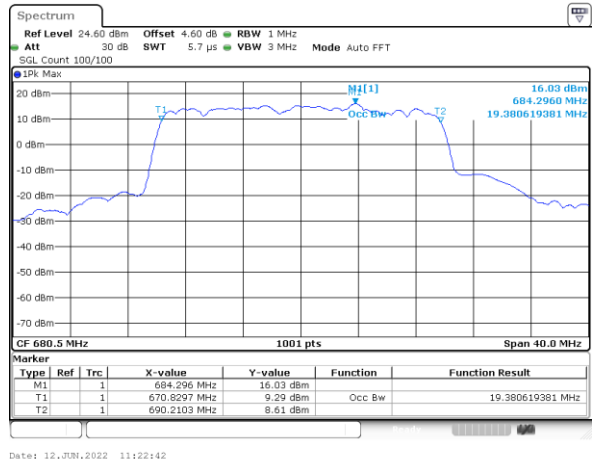
16QAM



64QAM



256QAM



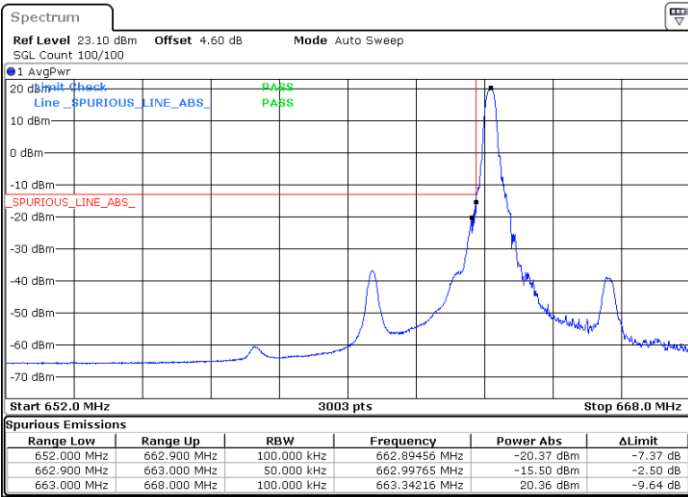


Conducted Band Edge

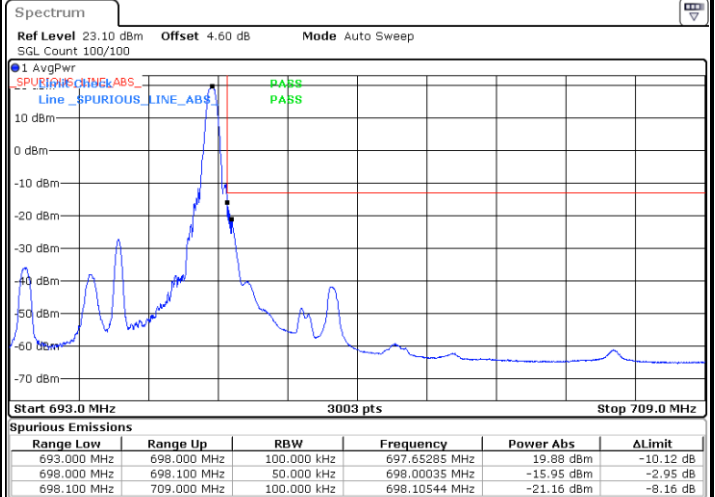
FR1 n71 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



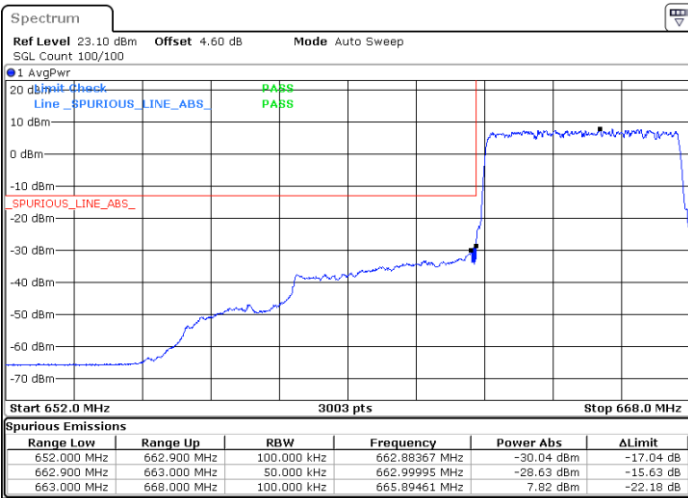
Date: 27.MAY.2022 07:40:11



Date: 27.MAY.2022 07:54:50

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.MAY.2022 07:26:23



Date: 27.MAY.2022 07:44:44