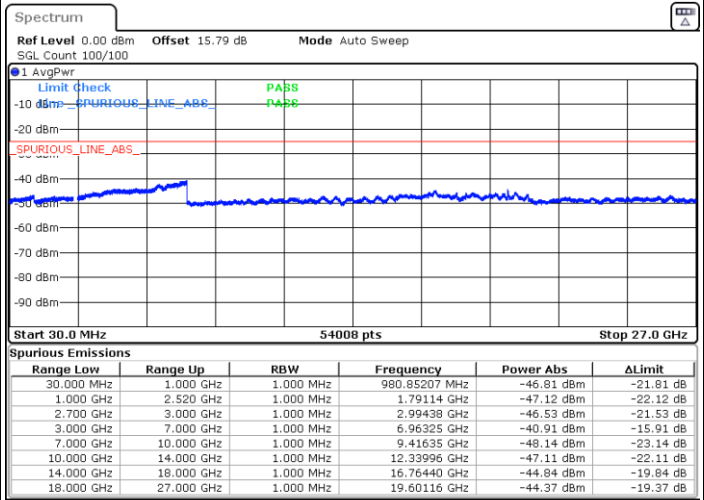
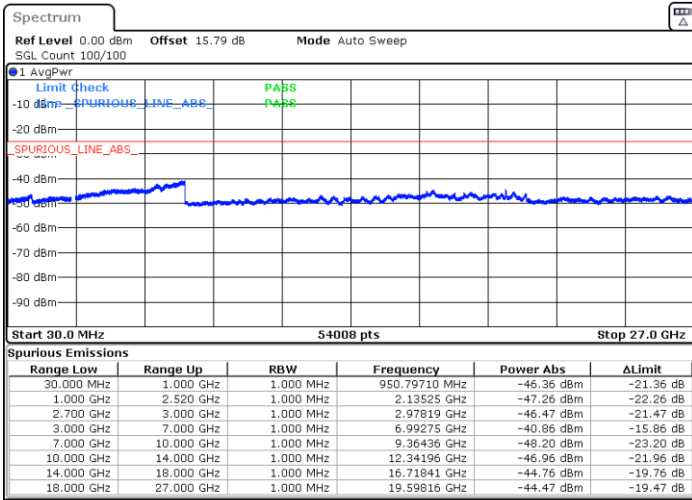




FR1 n38 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

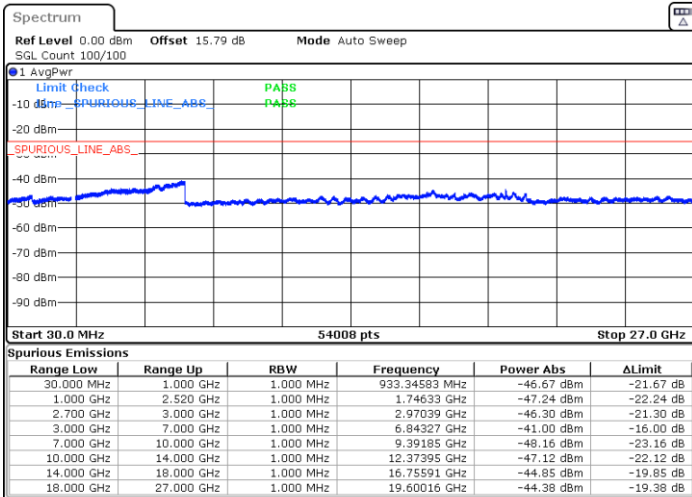
Middle Channel / 1RB1



Date: 1 JUN 2022 18:19:07

Date: 1 JUN 2022 18:20:12

Highest Channel / 1RB1



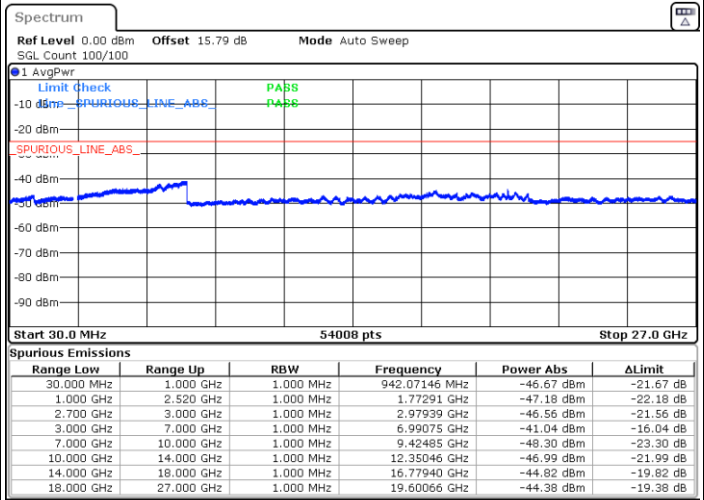
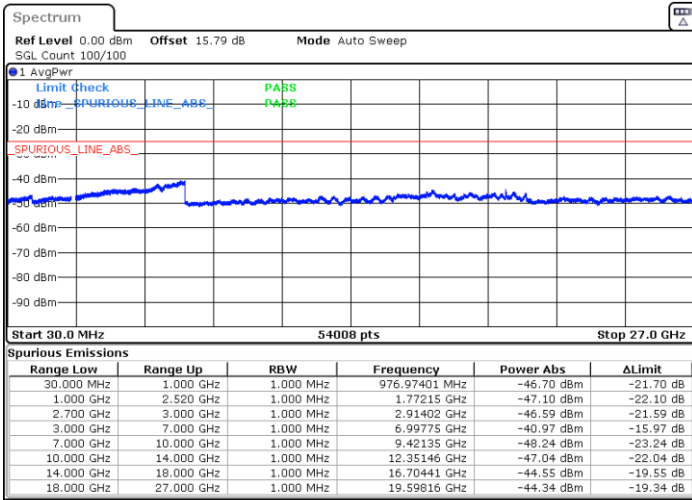
Date: 1 JUN 2022 18:21:05



FR1 n38 / 40MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

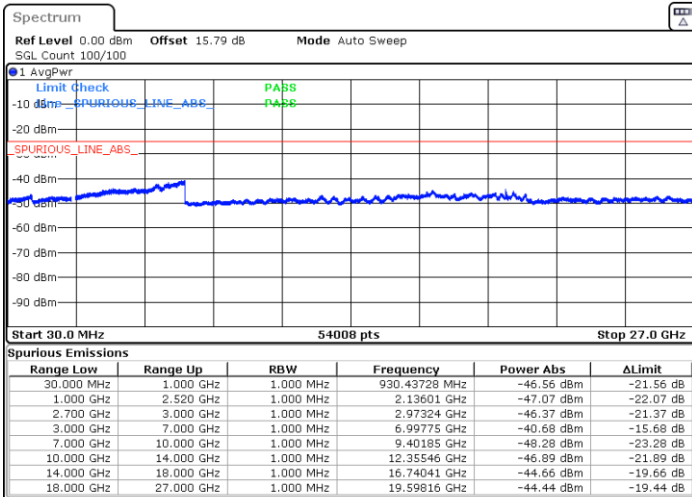
Middle Channel / 1RB1



Date: 1 JUN 2022 18:22:43

Date: 1 JUN 2022 18:32:24

Highest Channel / 1RB1



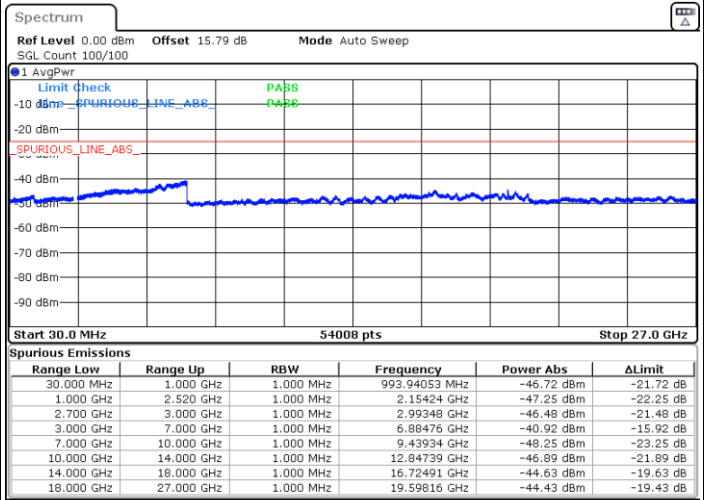
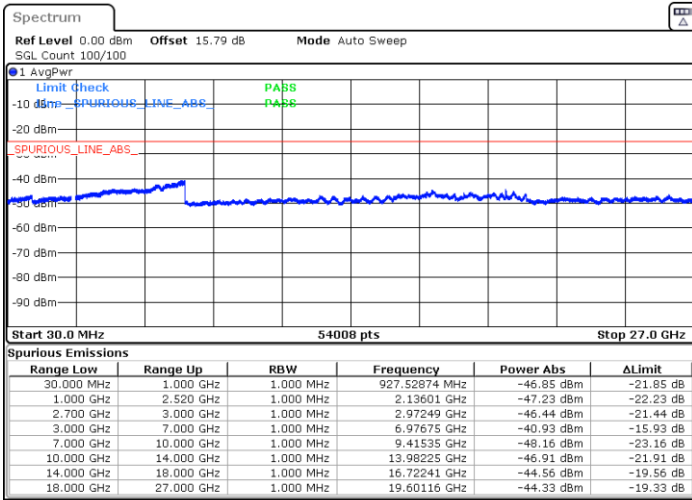
Date: 1 JUN 2022 18:33:39



FR1 n38 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

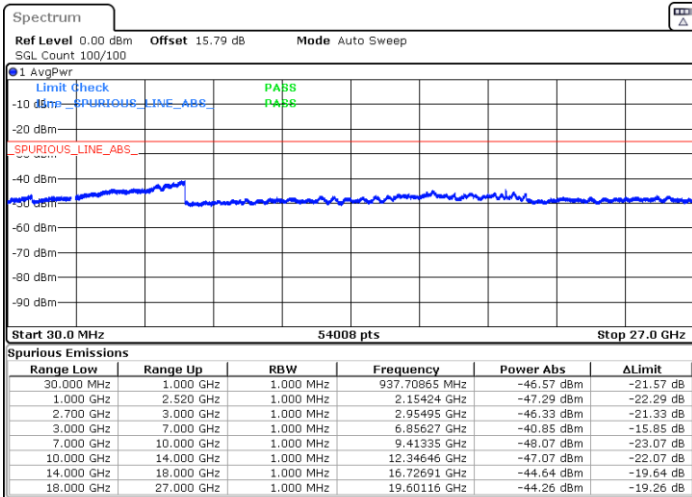
Middle Channel / 1RB1



Date: 1 JUN 2022 18:23:54

Date: 1 JUN 2022 18:25:08

Highest Channel / 1RB1



Date: 1 JUN 2022 18:34:34



Frequency Stability

Test Conditions		FR1 n38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0033	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0043	
20	Maximum Voltage	0.0068	
20	Normal Voltage	0.0031	
20	Battery End Point	0.0028	

Note:

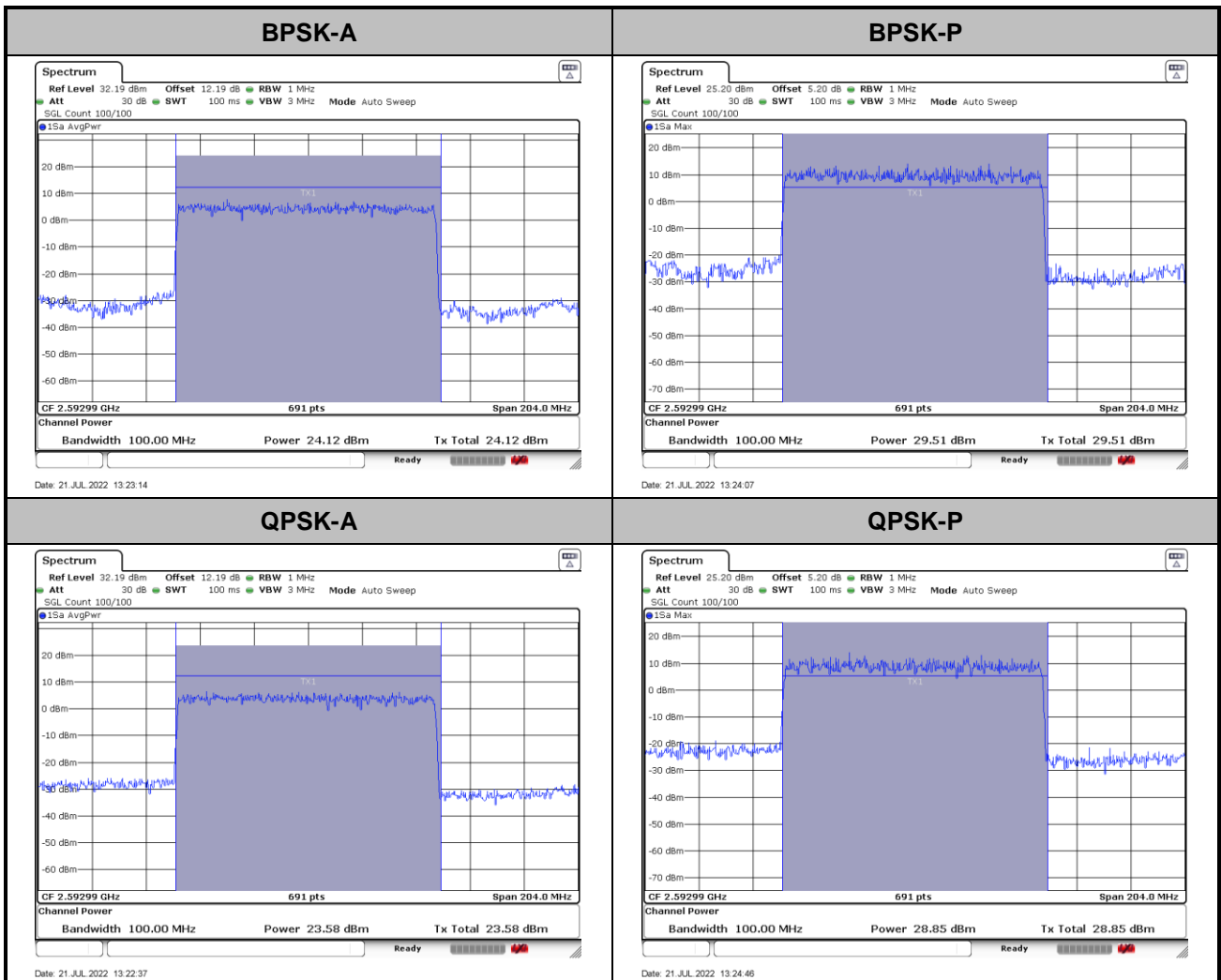
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n41

Peak-to-Average Ratio

Mode	FR1 n41 / 20MHz / DFT-S OFDM			
Mod.	20M			Limit: 13dB
RB Size	BPSK	QPSK		Result
Middle CH	5.39	5.27		PASS





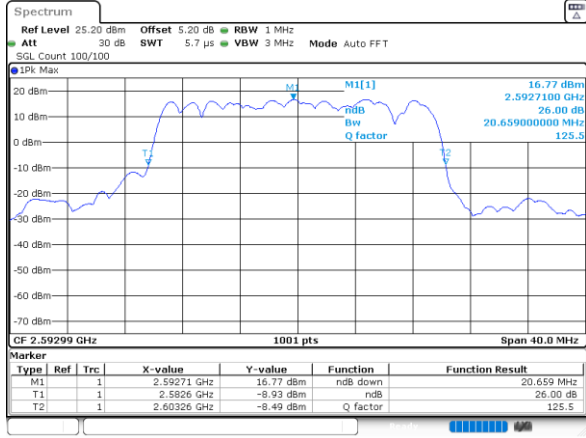
26dB Bandwidth

Mode	FR1 n41 : 26dB BW(20 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	20.66	20.42	20.34	20.42
Mode	FR1 n41 : 26dB BW(30 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	28.77	29.29	28.93	29.09
Mode	FR1 n41 : 26dB BW(40 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	40.28	40.2	40.36	40.2
Mode	FR1 n41 : 26dB BW(50 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	49.65	49.75	49.75	49.75
Mode	FR1 n41 : 26dB BW(60 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	60.42	60.54	60.42	60.42
Mode	FR1 n41 : 26dB BW(70 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	70.25	70.25	70.13	70.25
Mode	FR1 n41 : 26dB BW(80 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	79.92	80.24	80.08	79.92
Mode	FR1 n41 : 26dB BW(90 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	92.25	92.43	92.43	92.07
Mode	FR1 n41 : 26dB BW(100 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	102.1	102.7	102.5	102.5



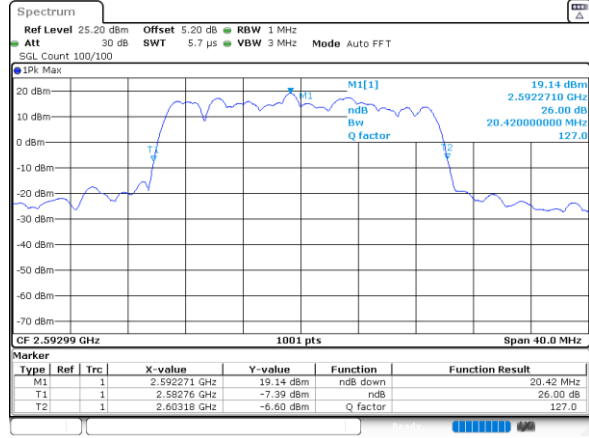
20MHz CP

QPSK



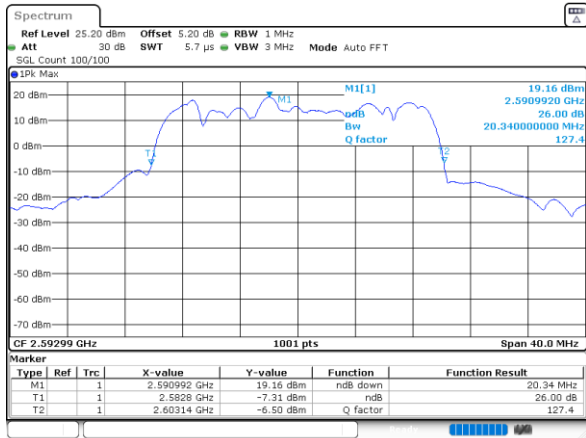
Date: 12, JUN, 2022 16:24:12

16QAM



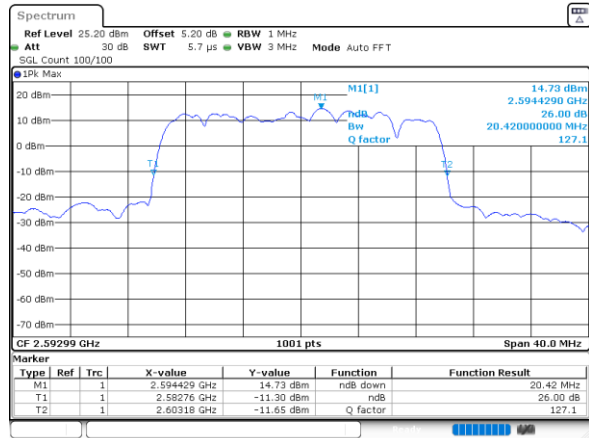
Date: 12, JUN, 2022 16:24:54

64QAM



Date: 12, JUN, 2022 16:25:11

256QAM

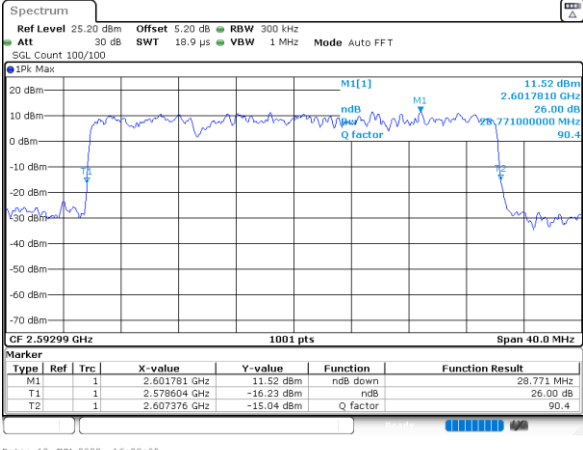


Date: 12, JUN, 2022 16:25:29



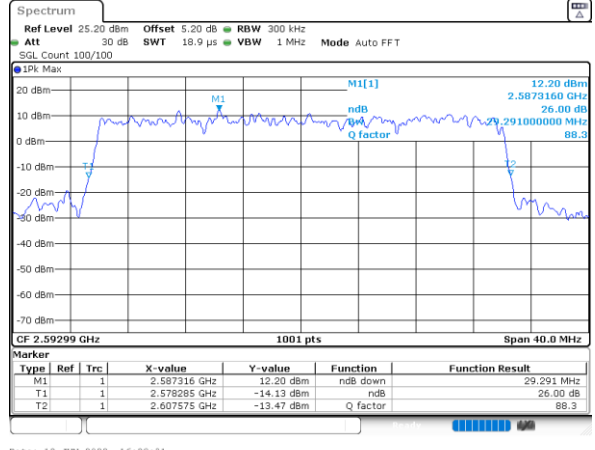
30MHz CP

QPSK



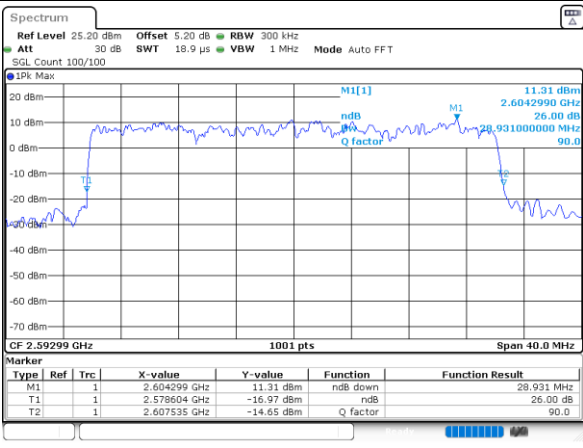
Date: 12, JUN, 2022 16:28:09

16QAM



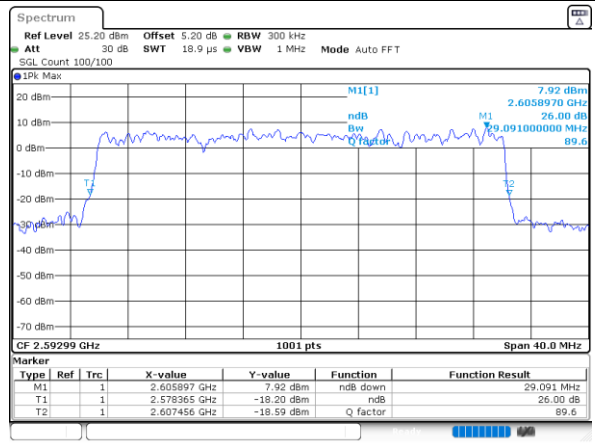
Date: 12, JUN, 2022 16:28:31

64QAM



Date: 12, JUN, 2022 16:28:49

256QAM

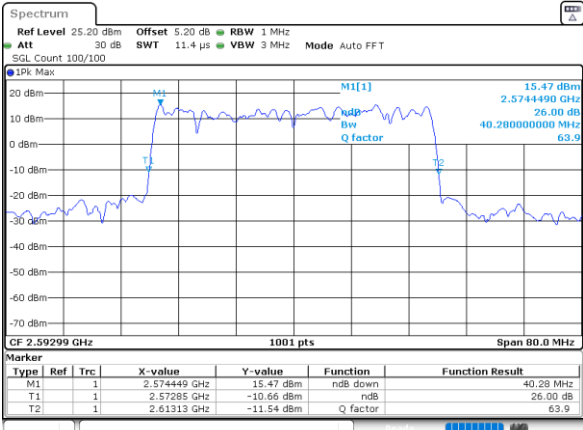


Date: 12, JUN, 2022 16:29:06



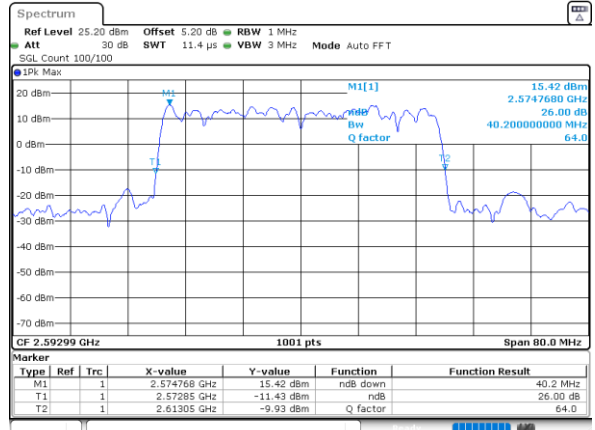
40MHz CP

QPSK



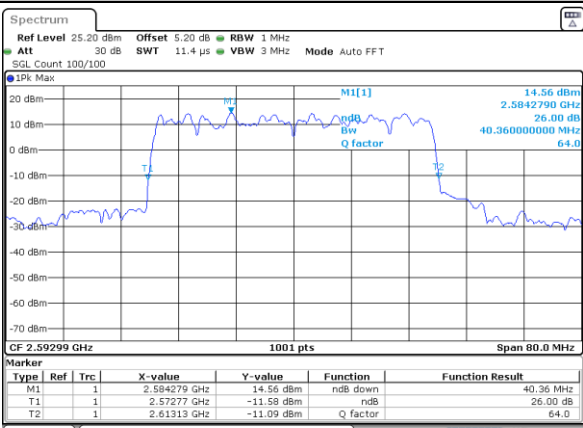
Date: 12, JUN, 2022 16:31:56

16QAM



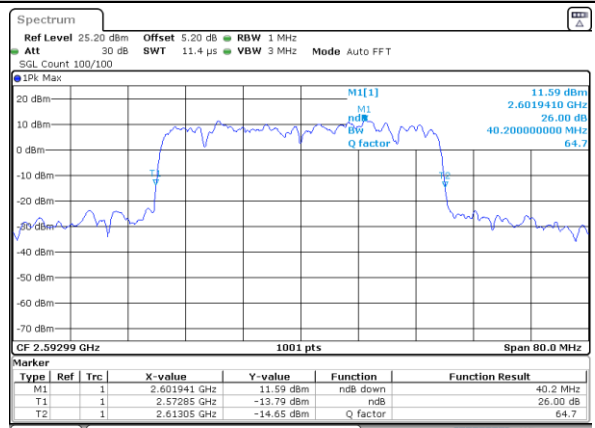
Date: 12, JUN, 2022 16:32:14

64QAM



Date: 12, JUN, 2022 16:32:29

256QAM

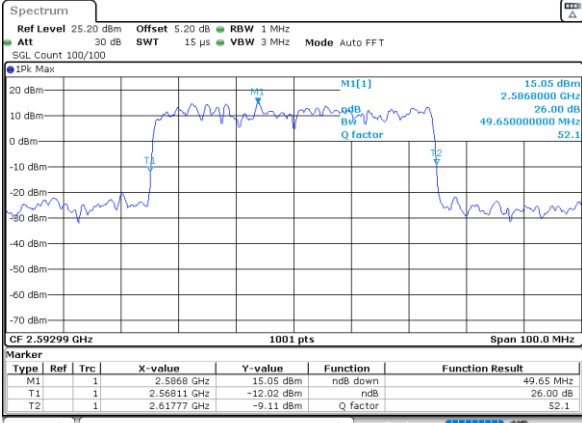


Date: 12, JUN, 2022 16:33:45

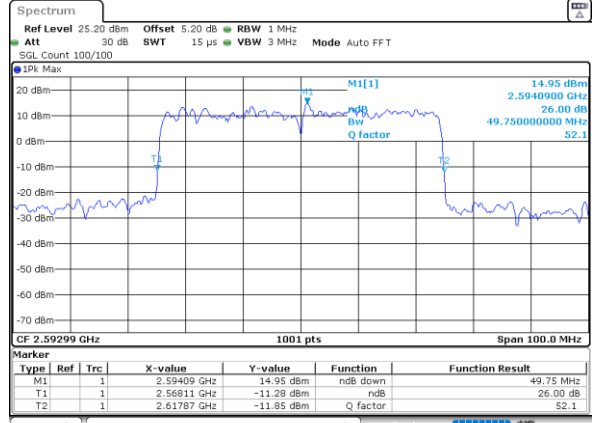


50MHz CP

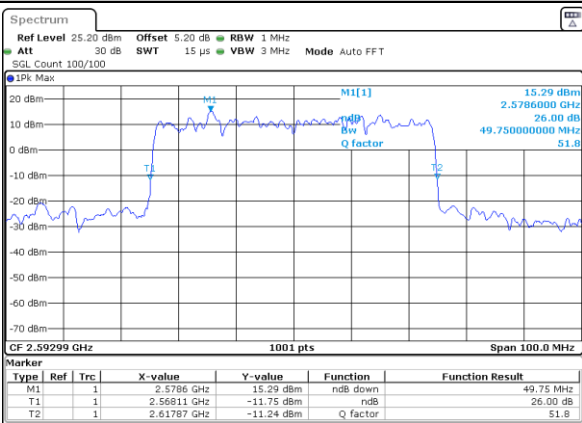
QPSK



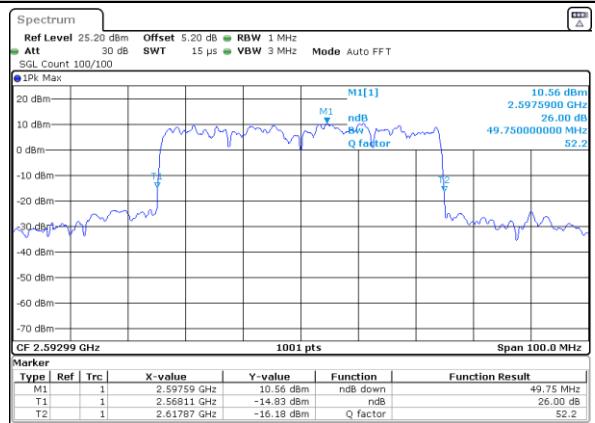
16QAM



64QAM



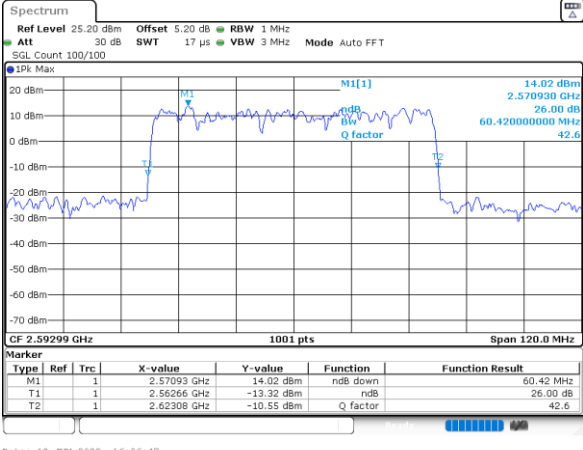
256QAM





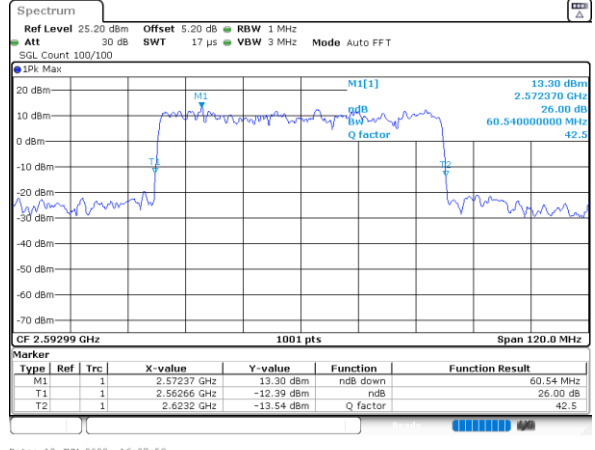
60MHz CP

QPSK



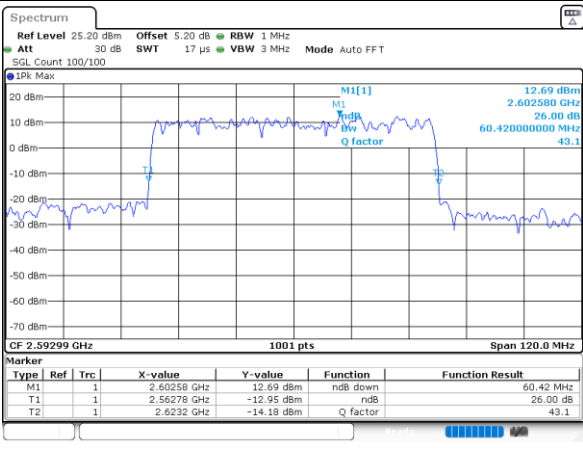
Date: 12, JUN, 2022 16:36:47

16QAM



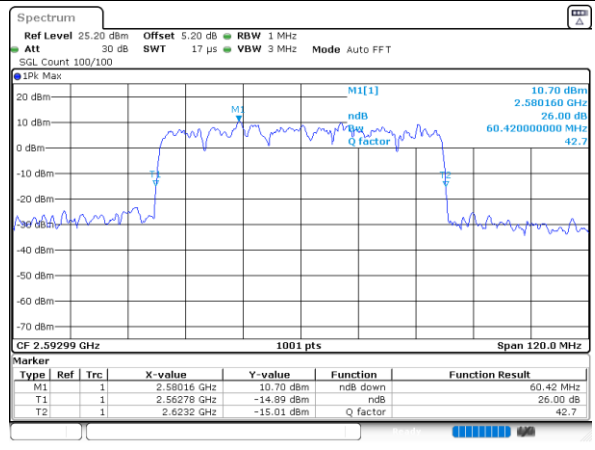
Date: 12, JUN, 2022 16:37:58

64QAM



Date: 12, JUN, 2022 16:38:15

256QAM

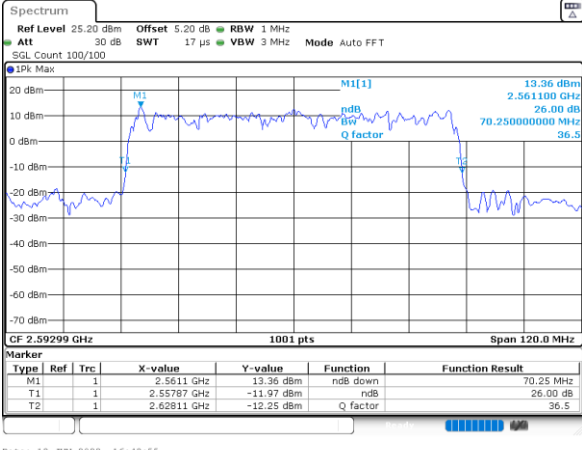


Date: 12, JUN, 2022 16:38:33



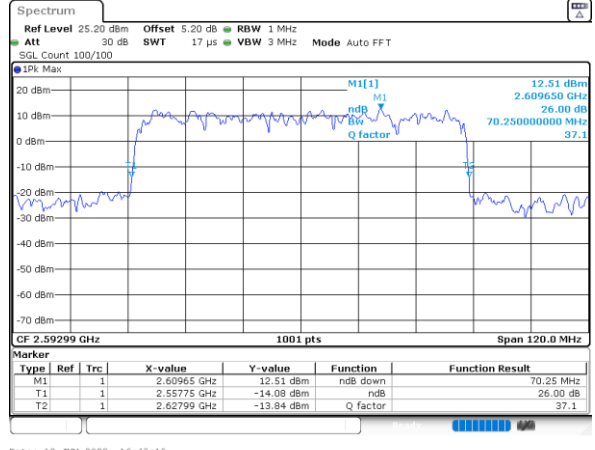
70MHz CP

QPSK



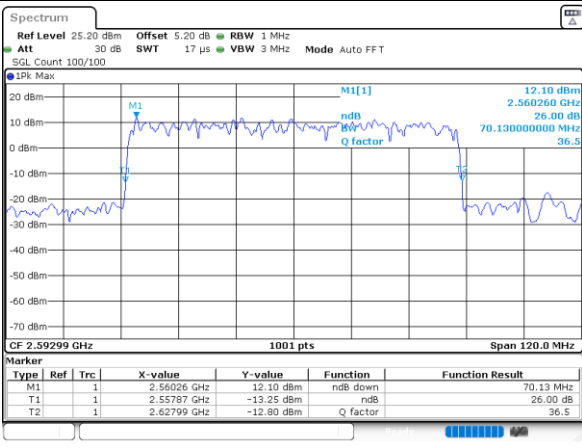
Date: 12, JUN, 2022 16:42:55

16QAM



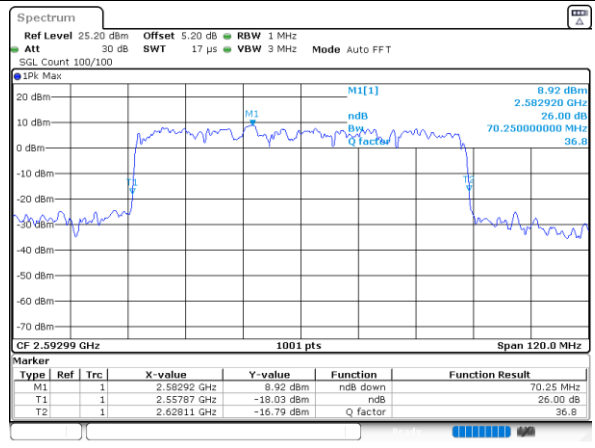
Date: 12, JUN, 2022 16:43:13

64QAM



Date: 12, JUN, 2022 16:43:39

256QAM

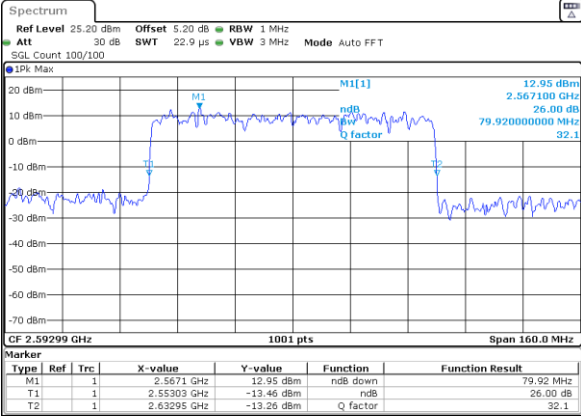


Date: 12, JUN, 2022 16:43:57



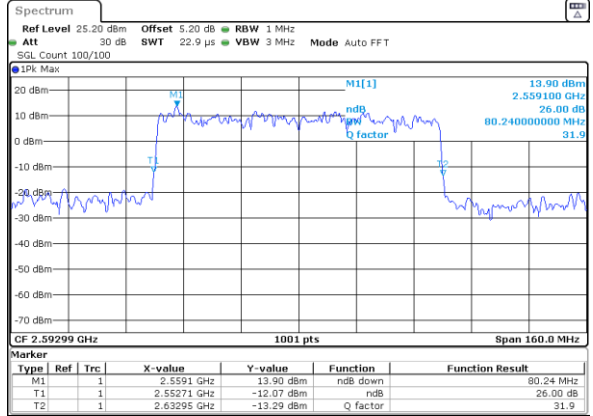
80MHz CP

QPSK



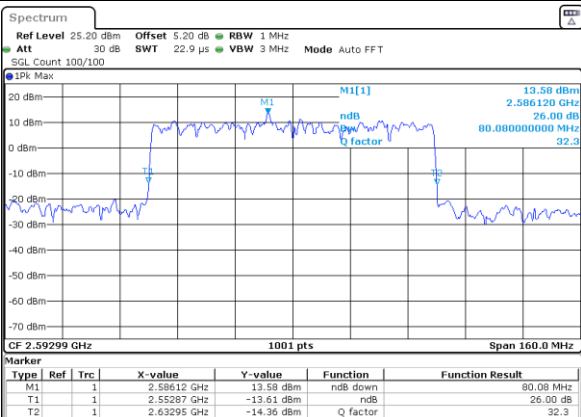
Date: 12, JUN, 2022 16:44:32

16QAM



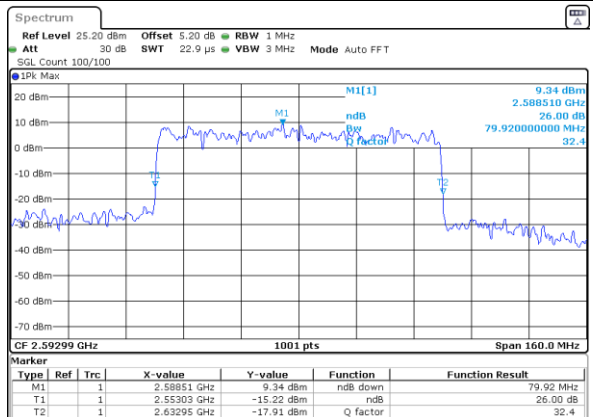
Date: 12, JUN, 2022 16:44:49

64QAM



Date: 12, JUN, 2022 16:45:08

256QAM

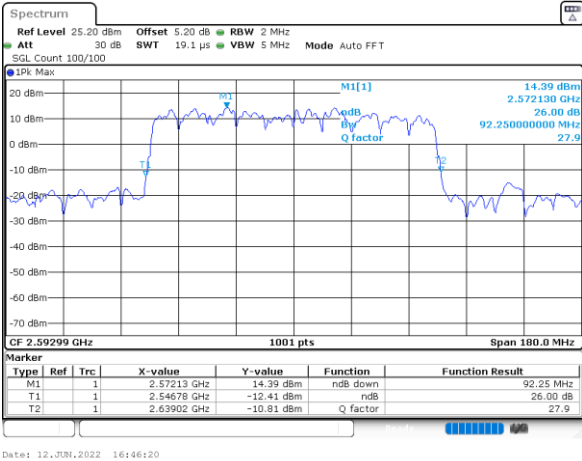


Date: 12, JUN, 2022 16:45:28



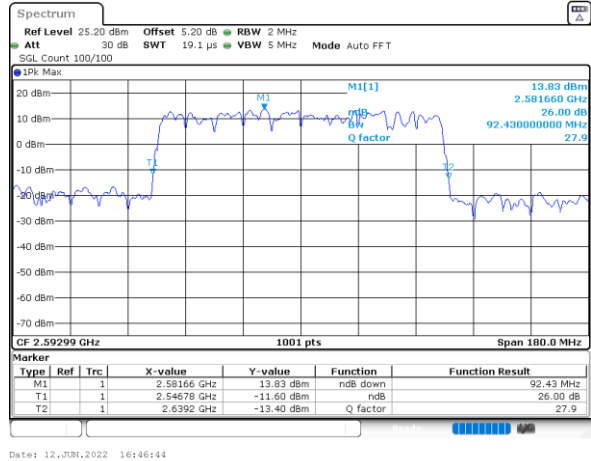
90MHz CP

QPSK



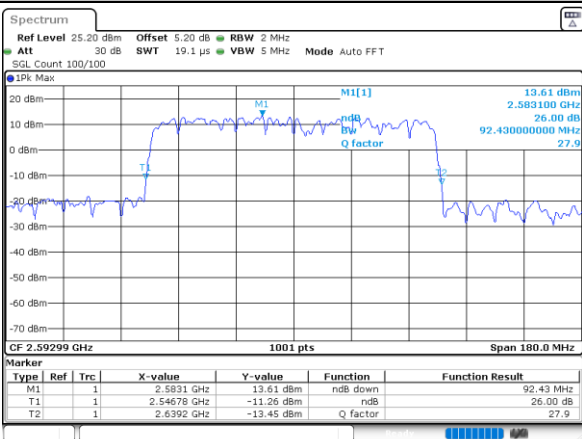
Date: 12, JUN, 2022 16:46:20

16QAM



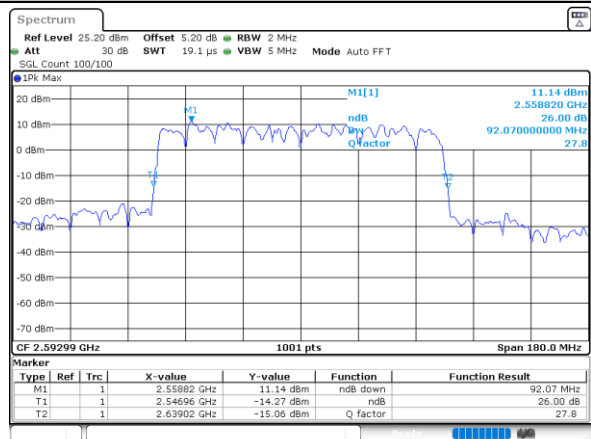
Date: 12, JUN, 2022 16:46:44

64QAM



Date: 12, JUN, 2022 16:47:09

256QAM

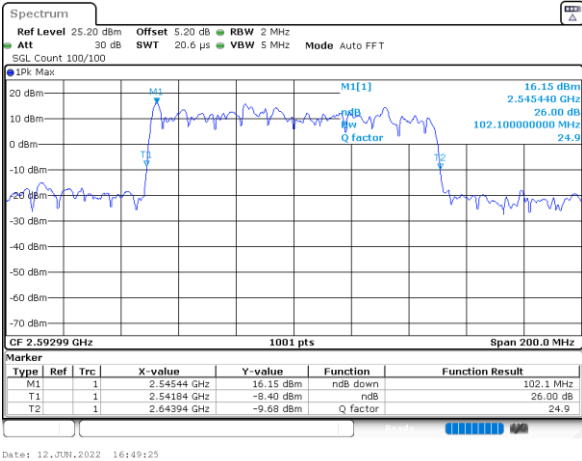


Date: 12, JUN, 2022 16:47:31



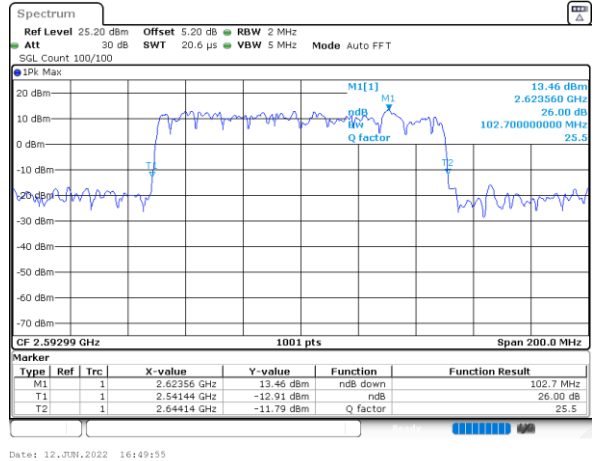
100MHz CP

QPSK



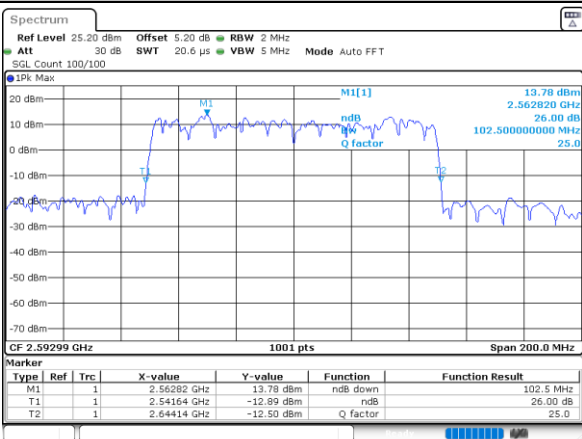
Date: 12, JUN, 2022 16:49:25

16QAM



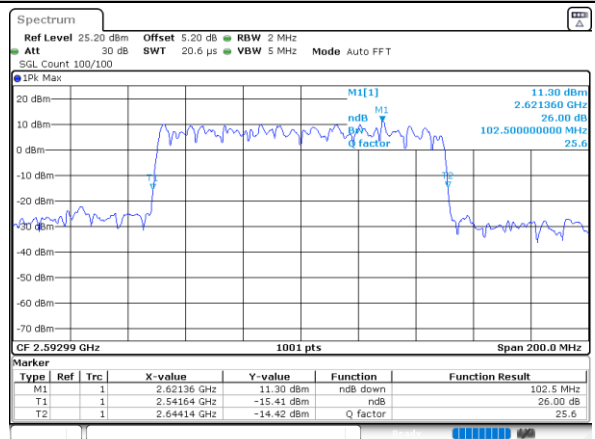
Date: 12, JUN, 2022 16:49:55

64QAM



Date: 12, JUN, 2022 16:50:09

256QAM



Date: 12, JUN, 2022 16:50:31



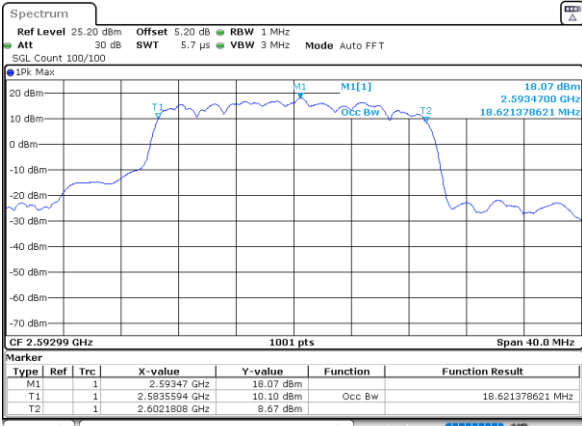
Occupied Bandwidth

Mode	FR1 n41 : OB BW(20 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	18.62	18.78	18.62	18.50
Mode	FR1 n41 : OB BW(30 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	27.81	27.81	27.81	27.85
Mode	FR1 n41 : OB BW(40 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	37.88	37.88	38.04	37.88
Mode	FR1 n41 : OB BW(50 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	47.65	47.65	47.55	47.75
Mode	FR1 n41 : OB BW(60 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	57.66	58.02	57.90	57.42
Mode	FR1 n41 : OB BW(70 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	67.49	67.61	67.73	67.61
Mode	FR1 n41 : OB BW(80 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	77.04	77.36	77.36	77.52
Mode	FR1 n41 : OB BW(90 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	87.03	87.21	87.75	87.57
Mode	FR1 n41 : OB BW(100 MHz) /CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	97.50	97.30	98.50	97.50



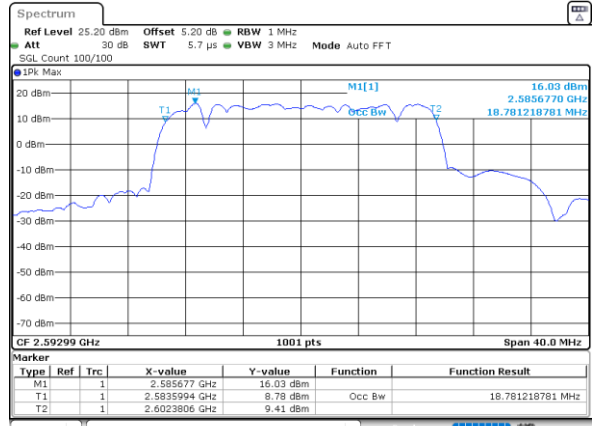
20MHz CP

QPSK



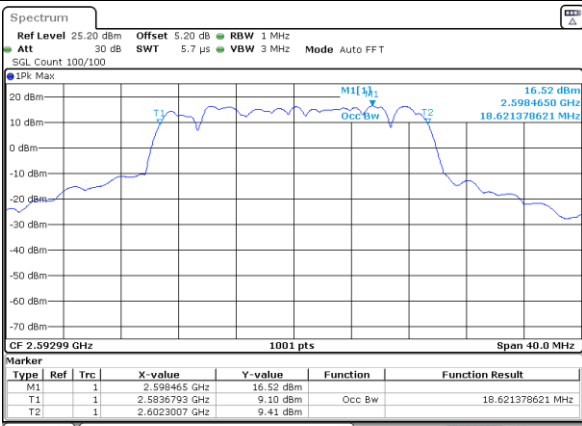
Date: 12, JUN, 2022 16:24:19

16QAM



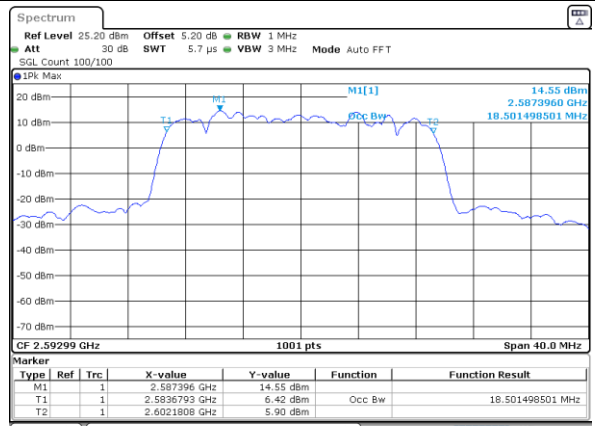
Date: 12, JUN, 2022 16:24:59

64QAM



Date: 12, JUN, 2022 16:25:17

256QAM

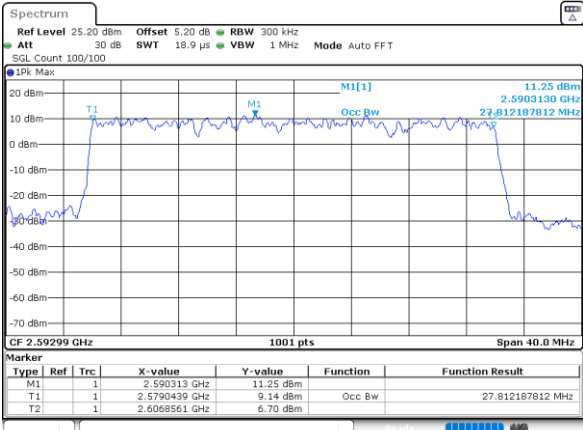


Date: 12, JUN, 2022 16:25:35



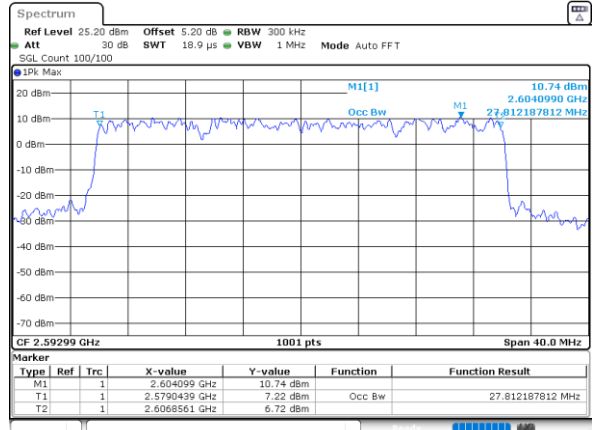
30MHz CP

QPSK



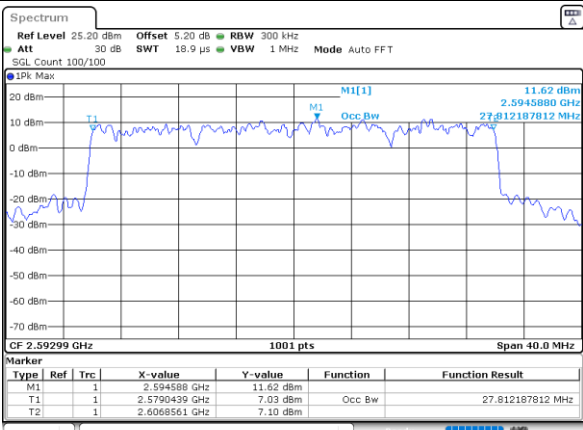
Date: 12 JUN 2022 16:28:14

16QAM



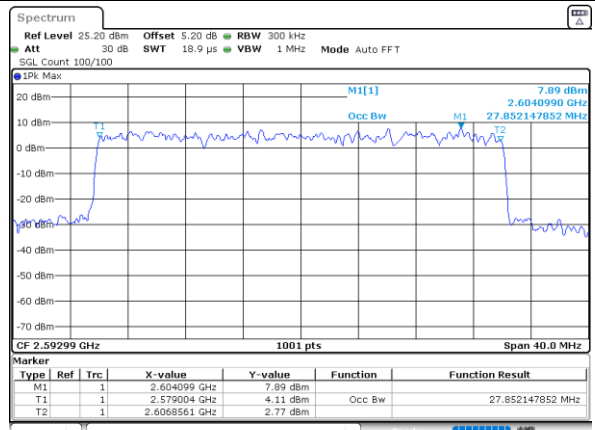
Date: 12 JUN 2022 16:28:26

64QAM



Date: 12 JUN 2022 16:28:43

256QAM

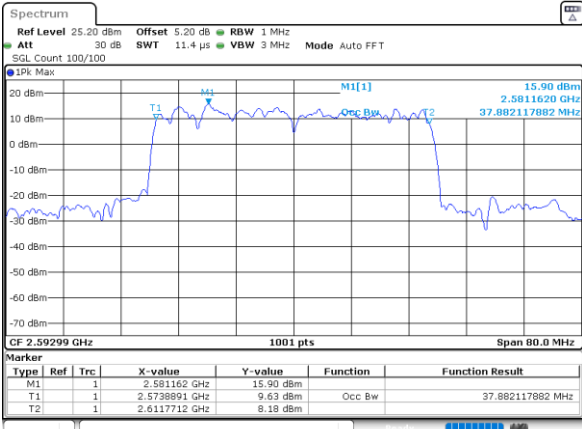


Date: 12 JUN 2022 16:29:01



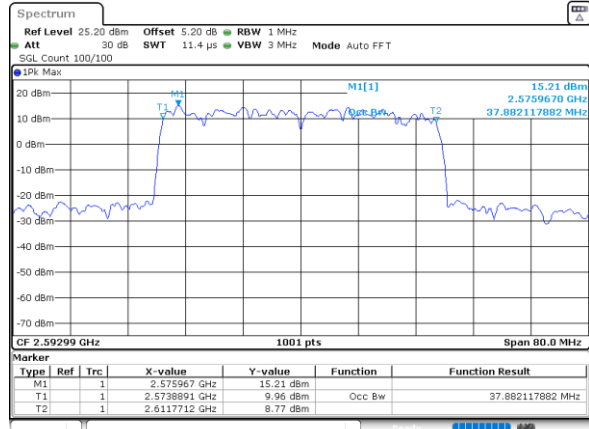
40MHz CP

QPSK



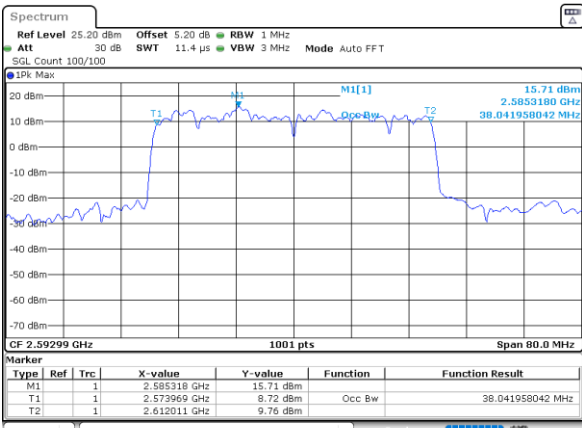
Date: 12 JUN 2022 16:32:01

16QAM



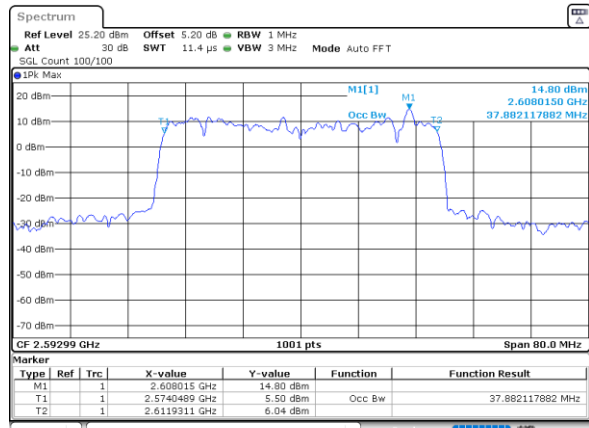
Date: 12 JUN 2022 16:32:19

64QAM



Date: 12 JUN 2022 16:32:36

256QAM

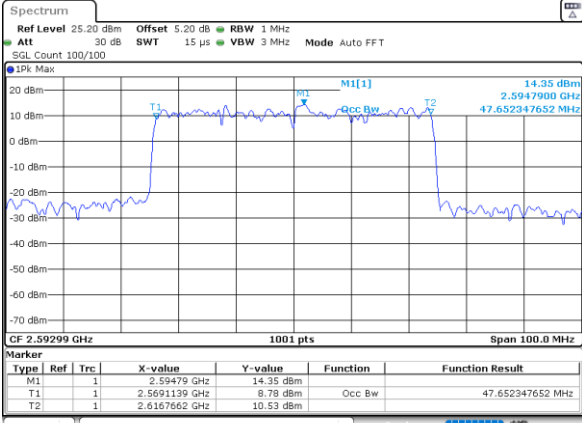


Date: 12 JUN 2022 16:32:48



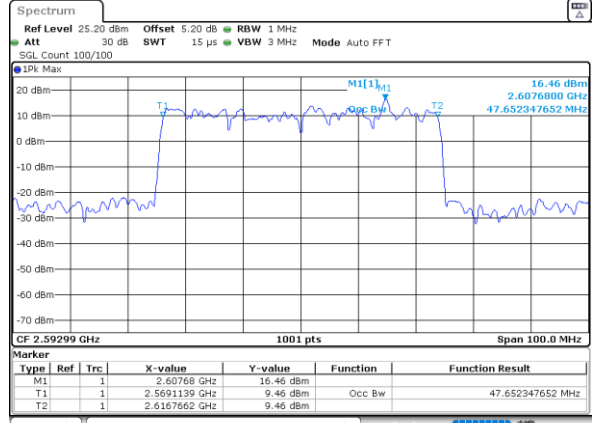
50MHz CP

QPSK



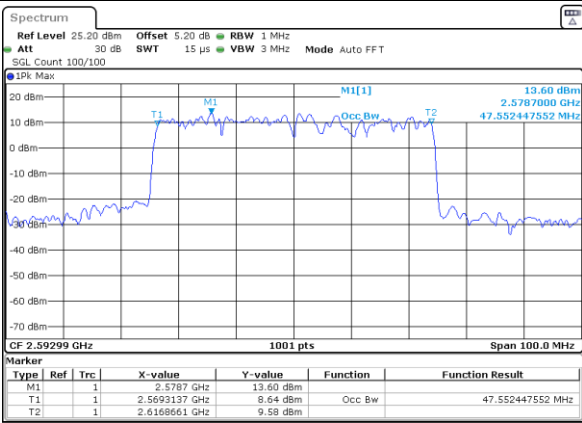
Date: 12 JUN 2022 16:34:45

16QAM



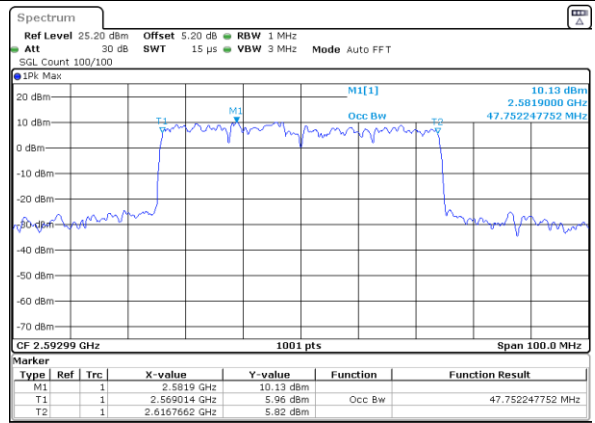
Date: 12 JUN 2022 16:35:03

64QAM



Date: 12 JUN 2022 16:35:21

256QAM

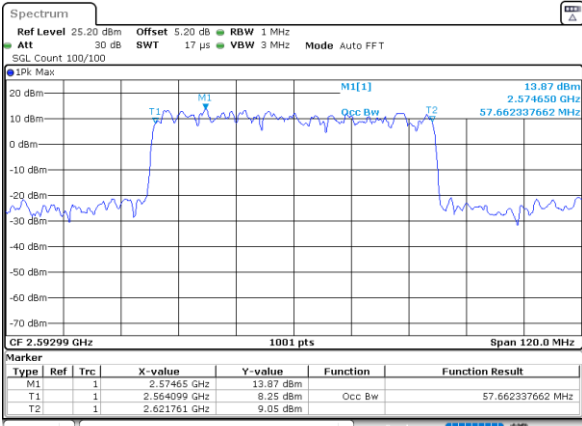


Date: 12 JUN 2022 16:35:39



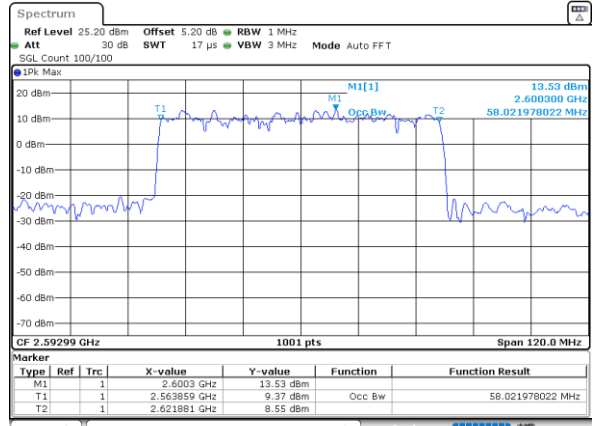
60MHz CP

QPSK



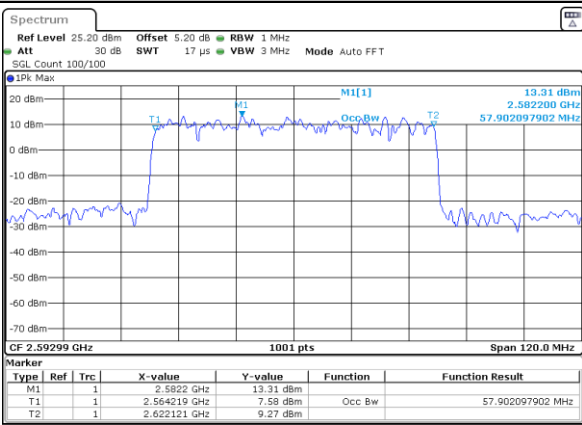
Date: 12, JUN, 2022 16:13:53

16QAM



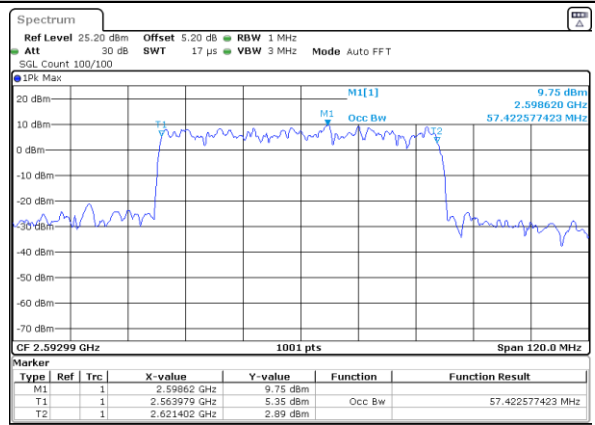
Date: 12, JUN, 2022 16:13:04

64QAM



Date: 12, JUN, 2022 16:13:21

256QAM

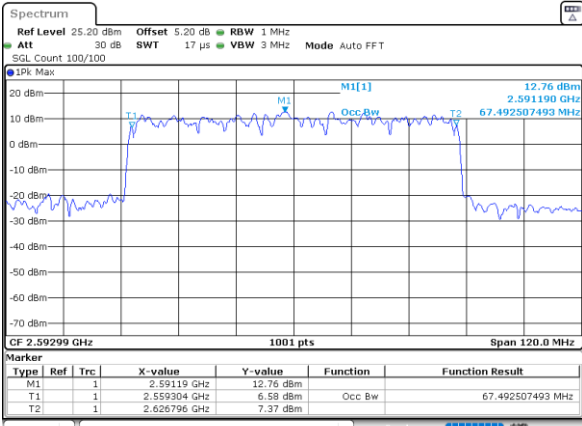


Date: 12, JUN, 2022 16:13:19



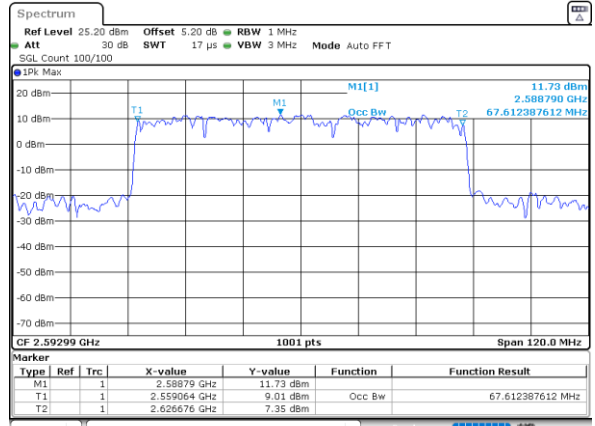
70MHz CP

QPSK



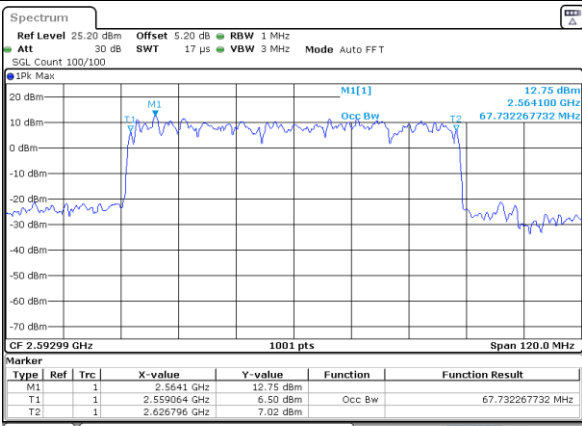
Date: 12 JUN 2022 16:43:01

16QAM



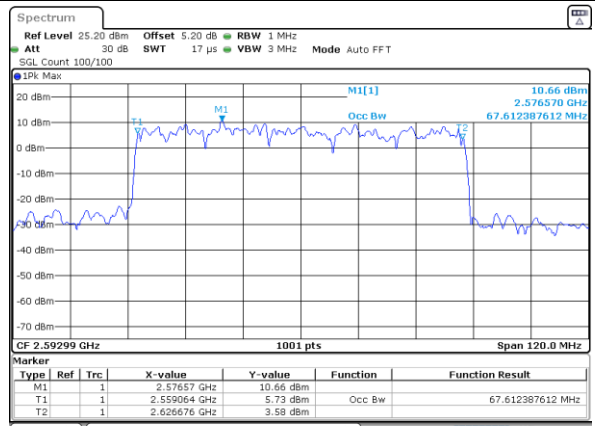
Date: 12 JUN 2022 16:43:19

64QAM



Date: 12 JUN 2022 16:43:45

256QAM

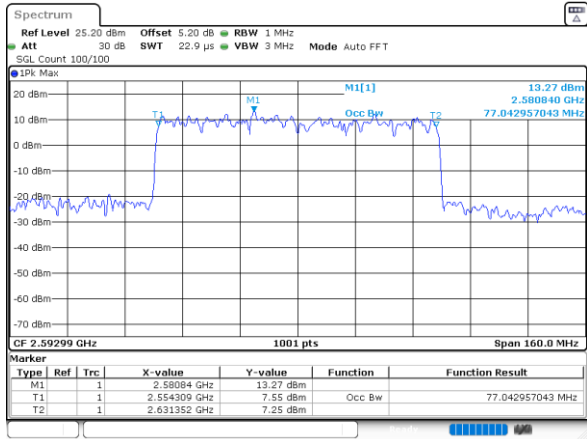


Date: 12 JUN 2022 16:44:05

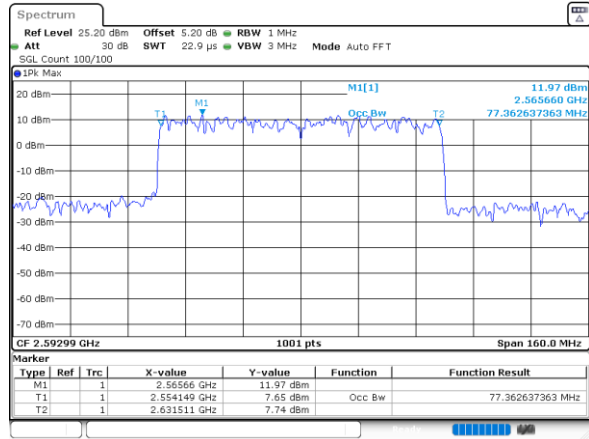


80MHz CP

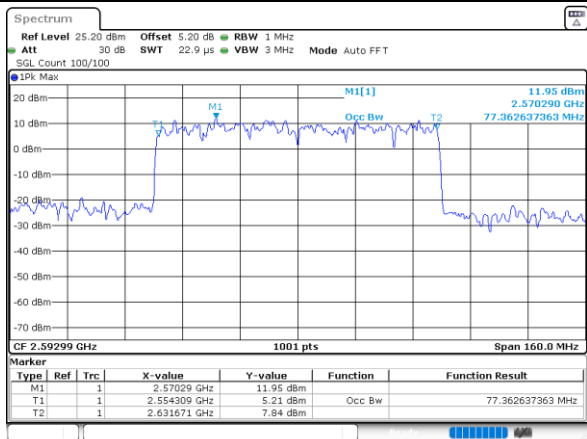
QPSK



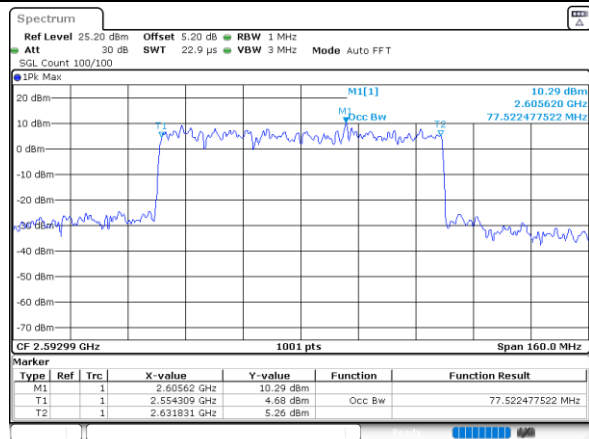
16QAM



64QAM



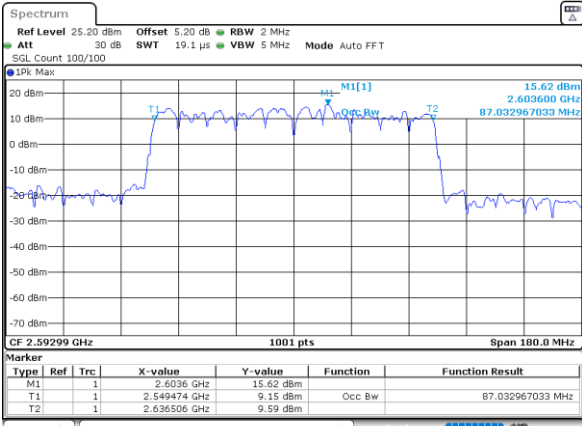
256QAM





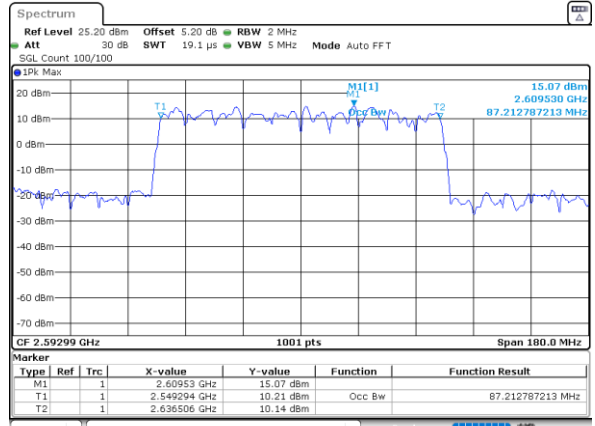
90MHz CP

QPSK



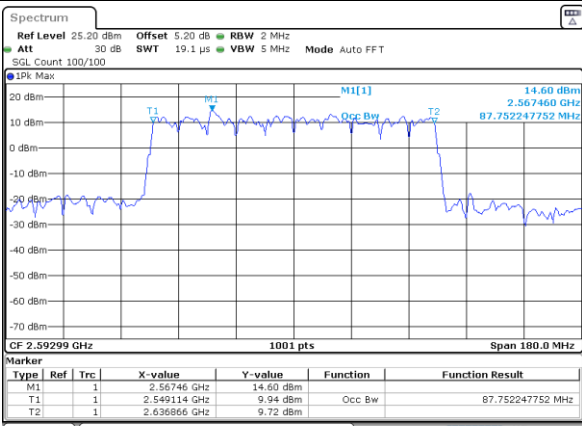
Date: 12, JUN, 2022 16:46:28

16QAM



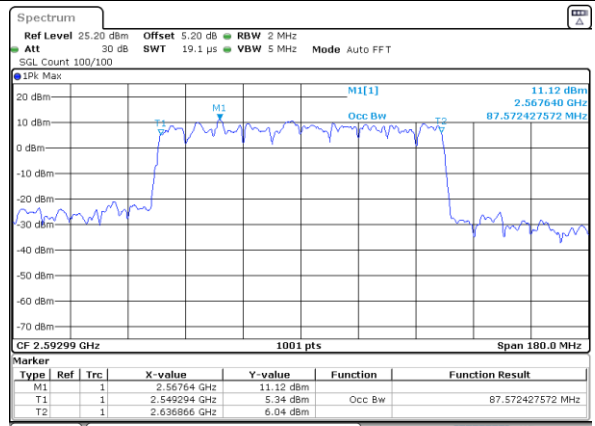
Date: 12, JUN, 2022 16:46:53

64QAM



Date: 12, JUN, 2022 16:47:18

256QAM

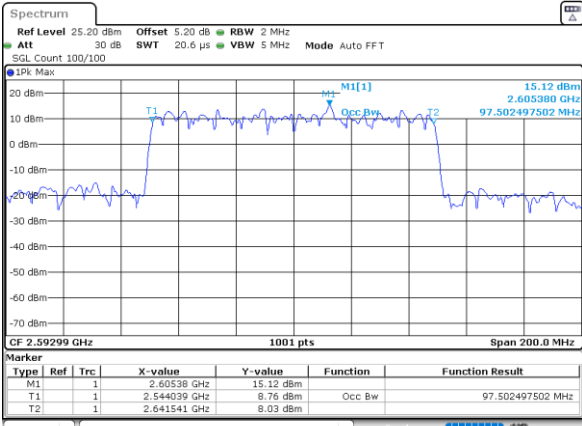


Date: 12, JUN, 2022 16:47:39



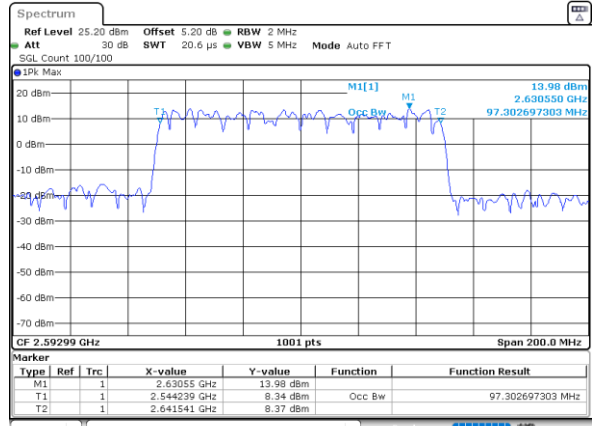
100MHz CP

QPSK



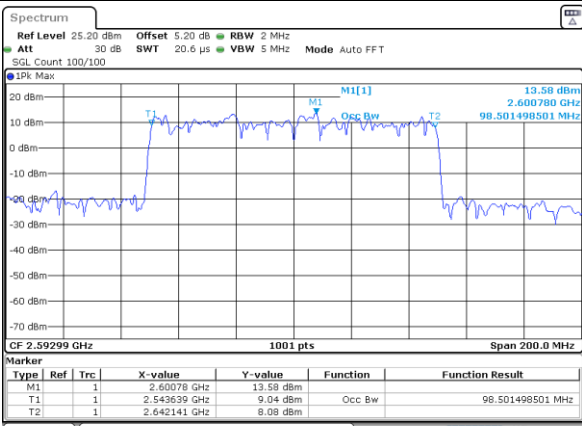
Date: 12, JUN, 2022 16:49:32

16QAM



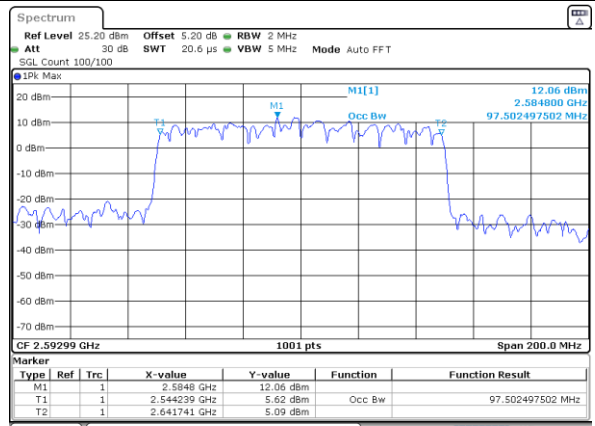
Date: 12, JUN, 2022 16:49:48

64QAM



Date: 12, JUN, 2022 16:50:17

256QAM



Date: 12, JUN, 2022 16:50:46

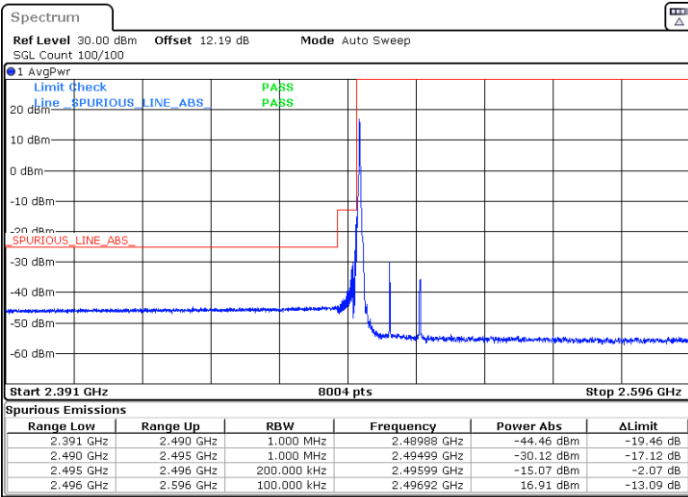


Conducted Band Edge

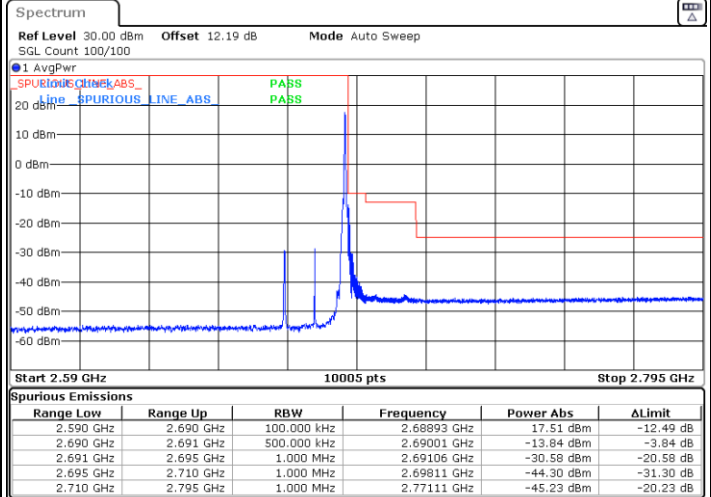
FR1 n41 / 20MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



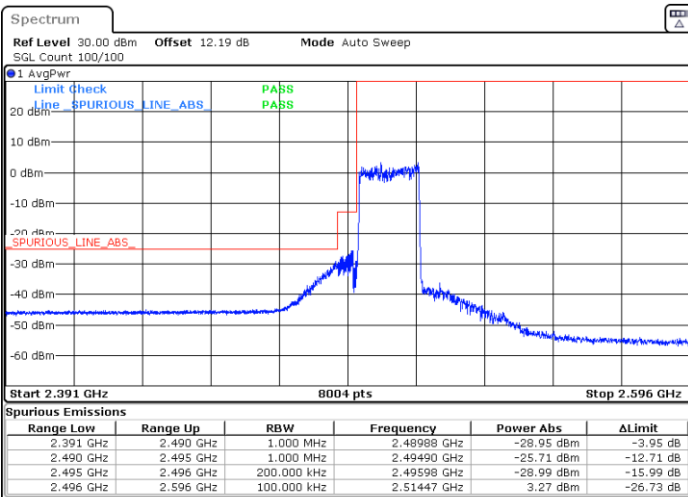
Date: 30.MAY.2022 23:33:49



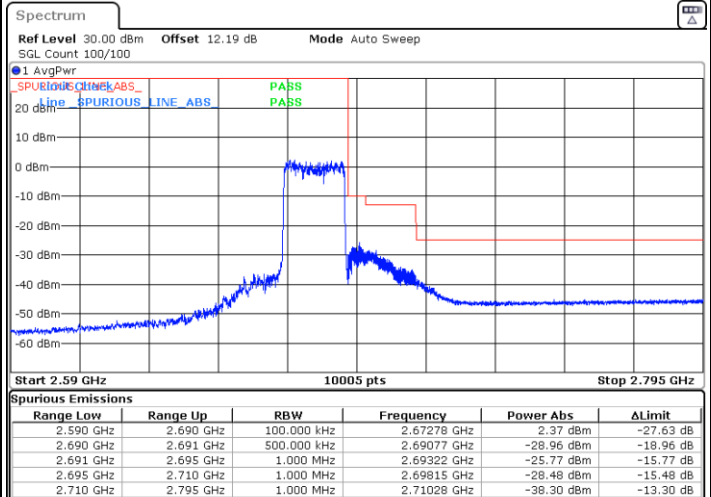
Date: 30.MAY.2022 23:41:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAY.2022 23:34:11



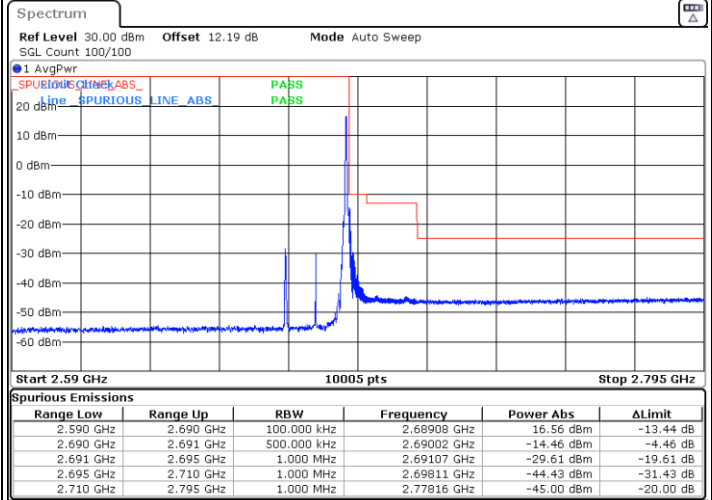
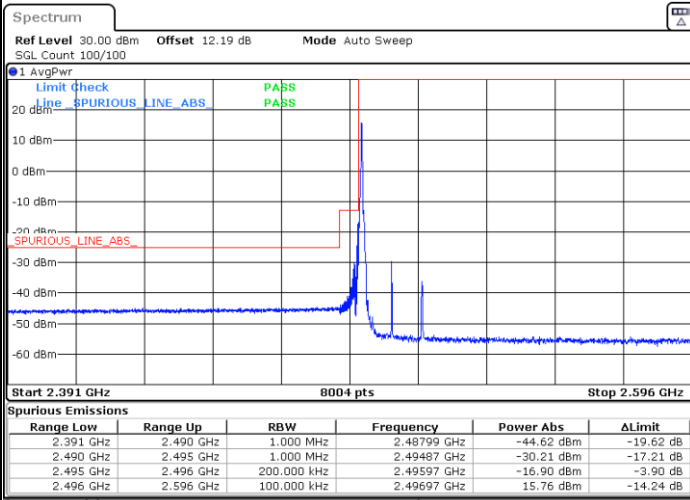
Date: 30.MAY.2022 23:43:18



FR1 n41 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

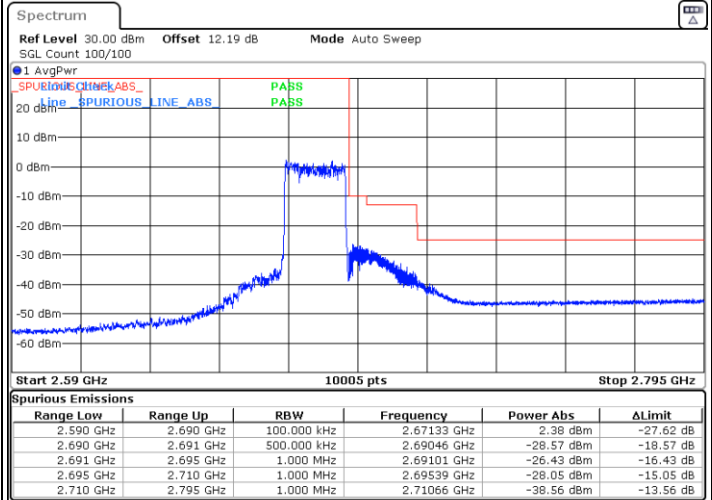
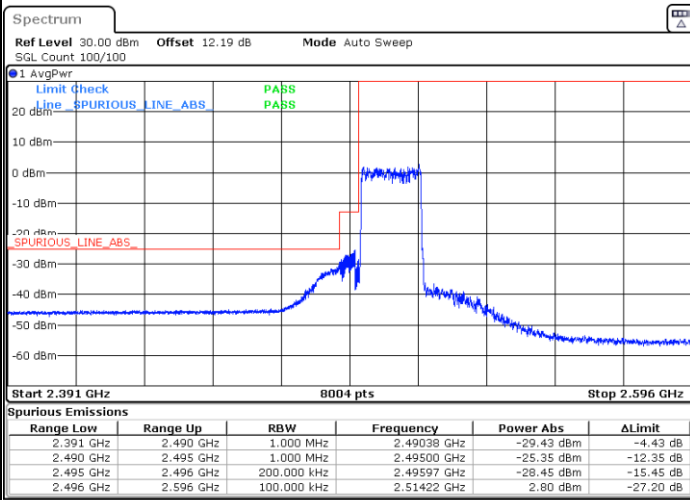


Date: 30.MAY.2022 23:30:01

Date: 30.MAY.2022 23:42:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAY.2022 23:29:42

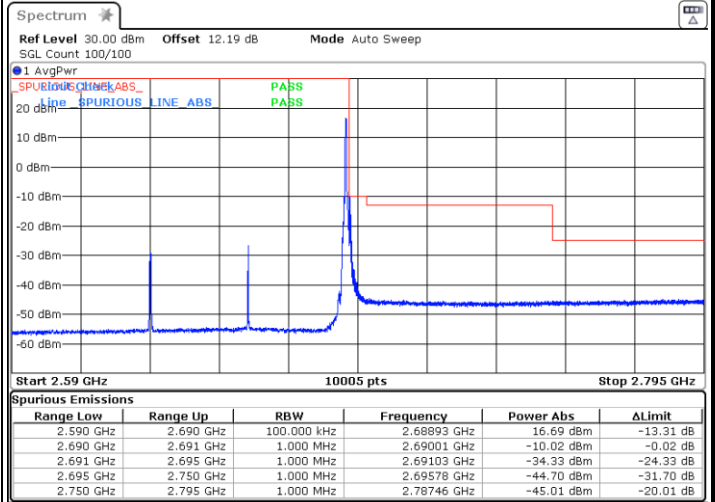
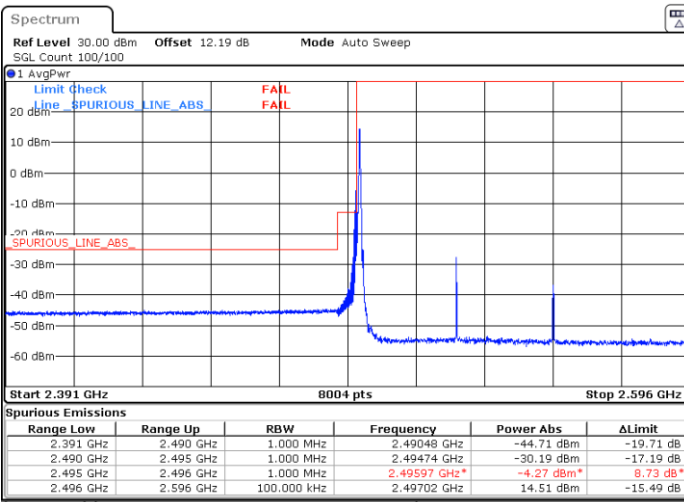
Date: 30.MAY.2022 23:42:57



FR1 n41 / 60MHz / DFT-S OFDM / PI/2 BPSK

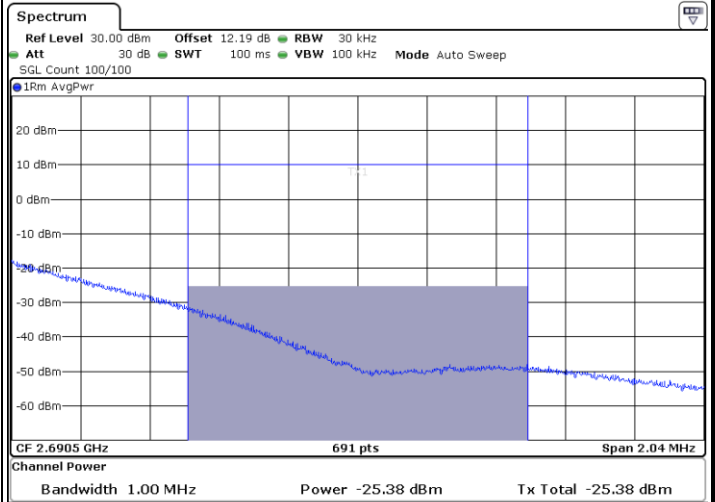
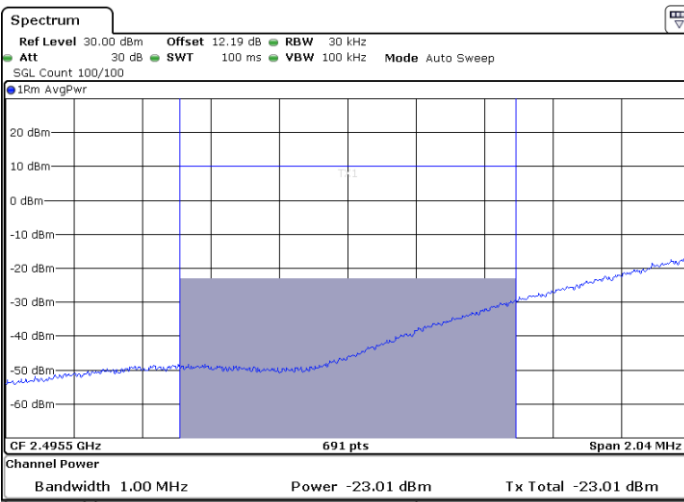
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



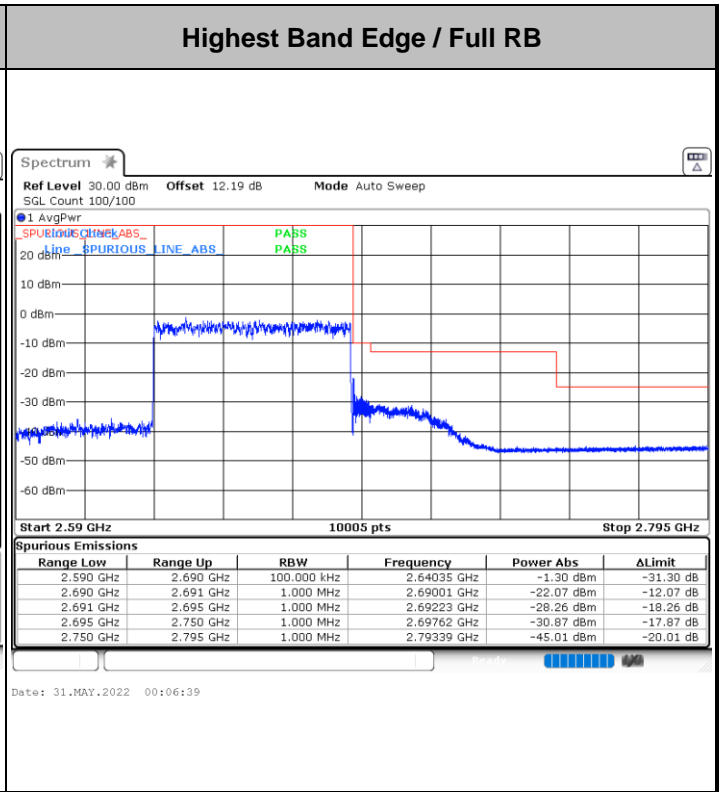
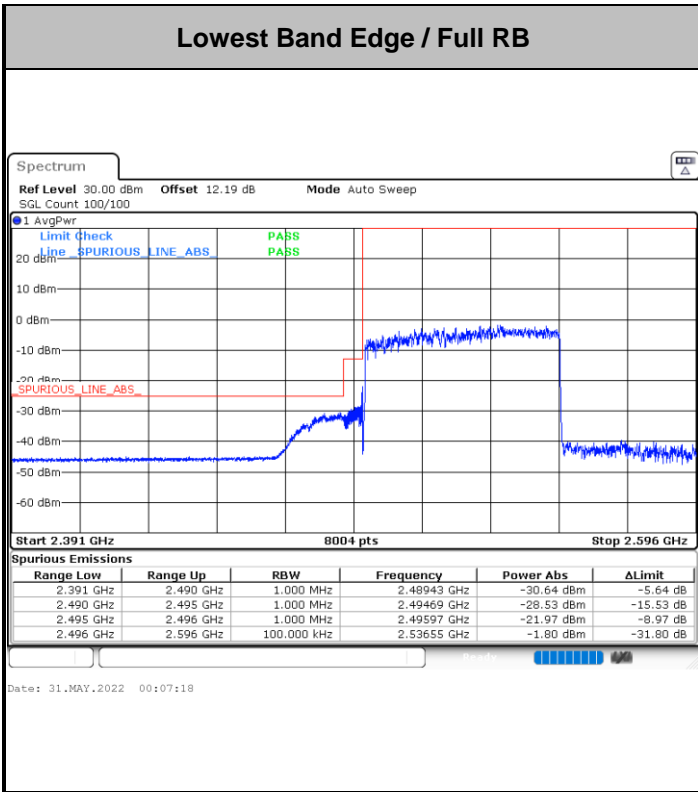
Date: 31.MAY.2022 00:08:49

Date: 31.MAY.2022 00:04:47



Date: 1.JUN.2022 02:32:45

Date: 1.JUN.2022 02:29:59

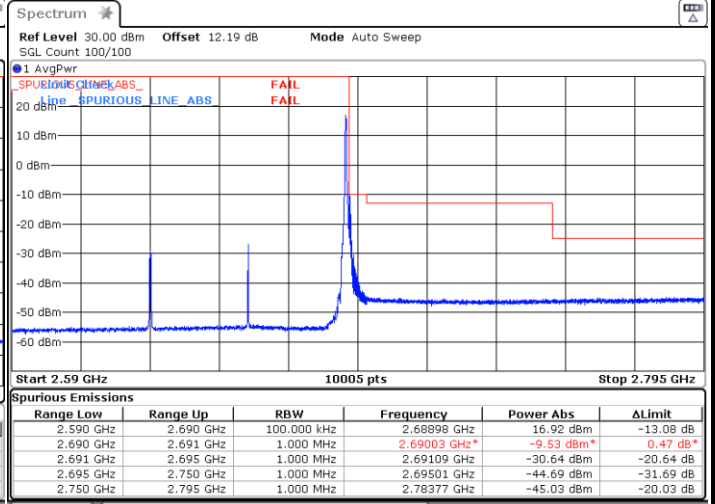
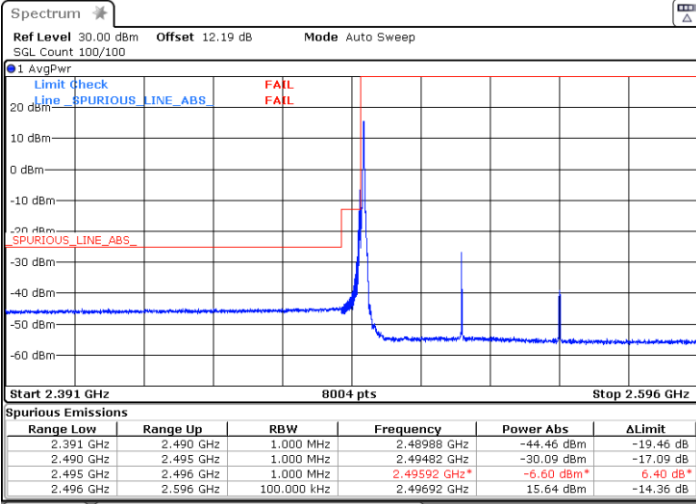




FR1 n41 / 60MHz / DFT-S OFDM / QPSK

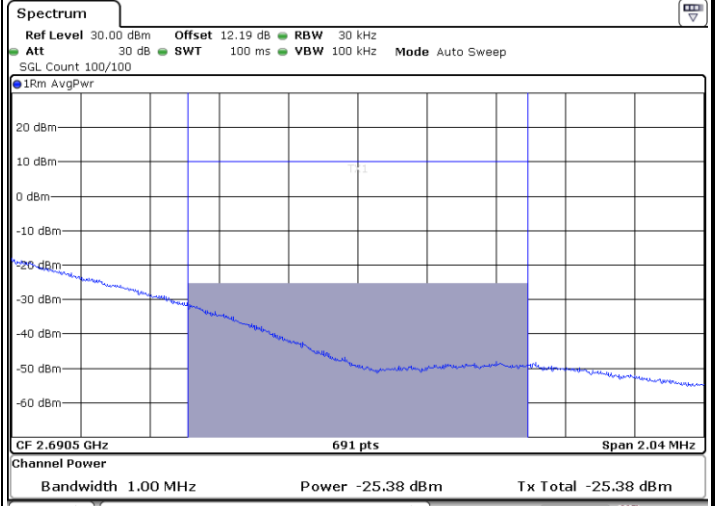
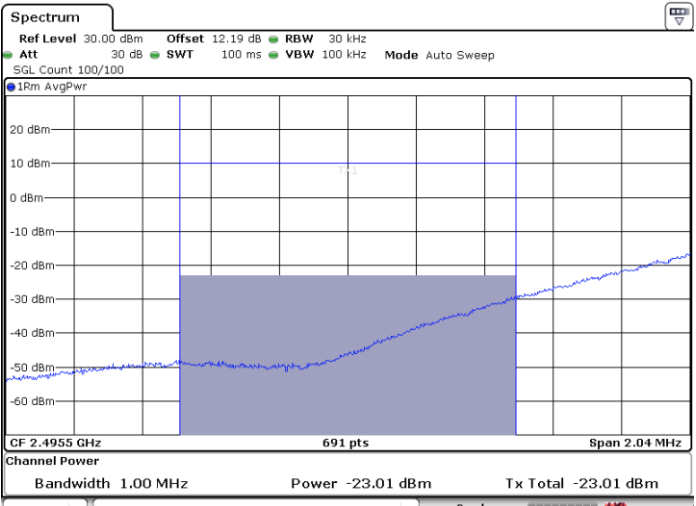
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



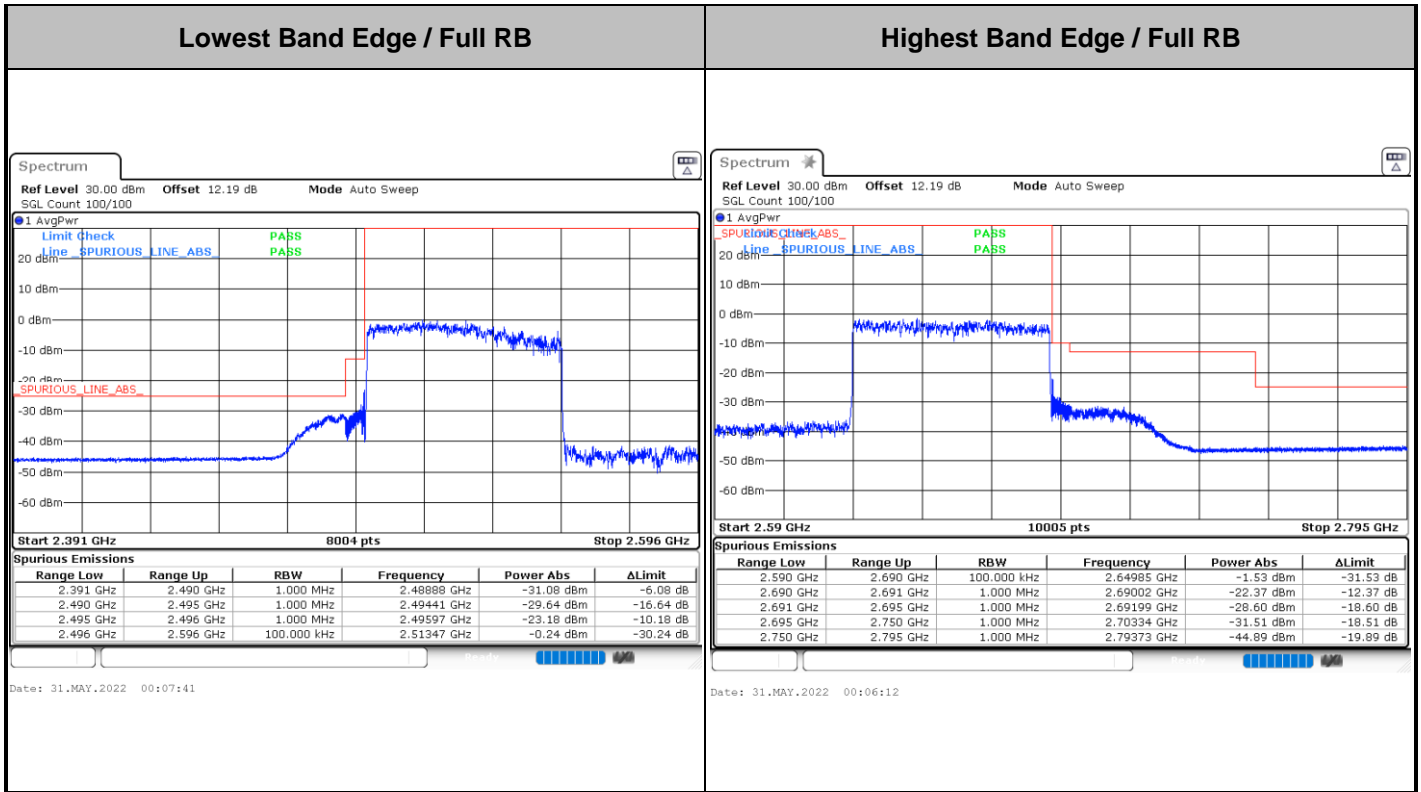
Date: 31.MAY.2022 00:08:31

Date: 31.MAY.2022 00:05:44



Date: 1.JUN.2022 02:32:07

Date: 1.JUN.2022 02:30:43

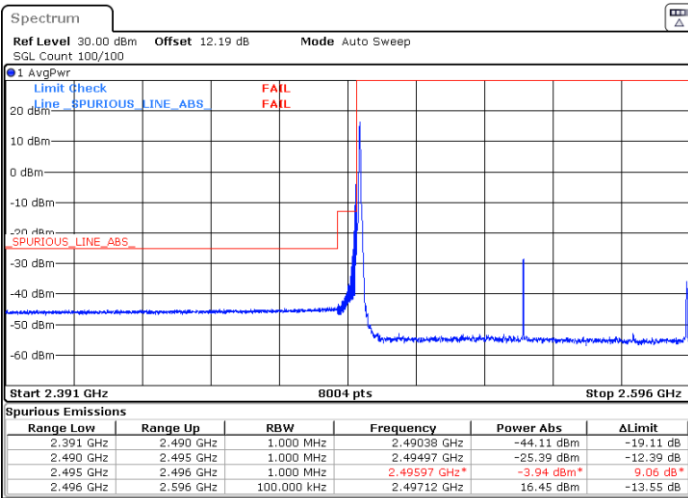




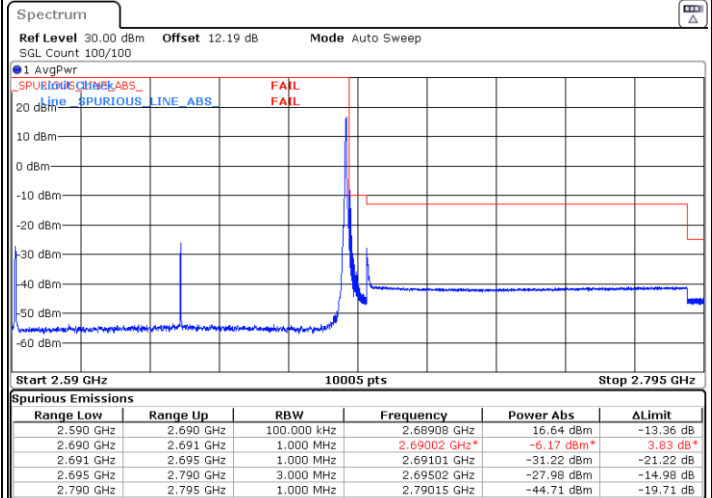
FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

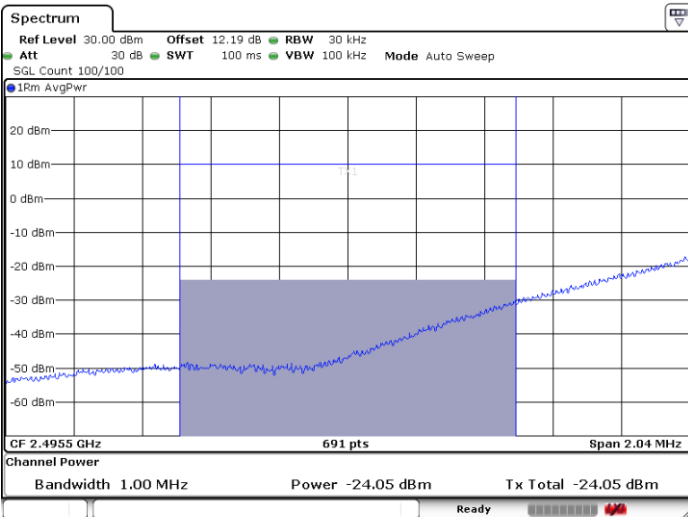
Highest Band Edge / 1RBmax



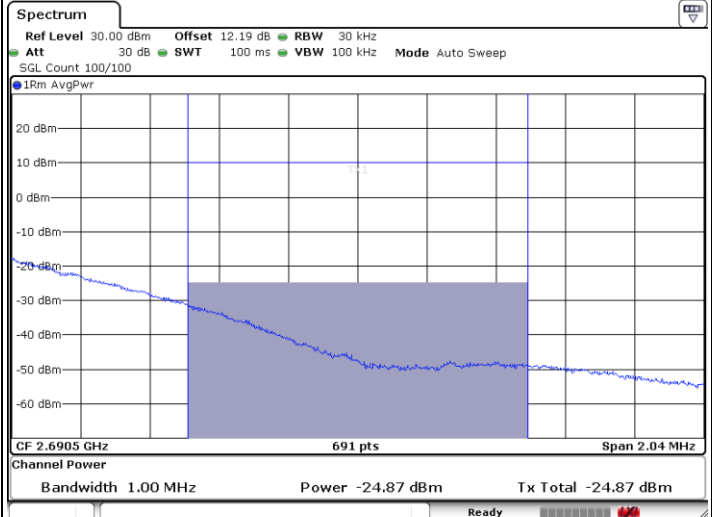
Date: 31.MAY.2022 00:16:22



Date: 31.MAY.2022 00:22:03



Date: 1.JUN.2022 02:34:51



Date: 1.JUN.2022 02:37:10

