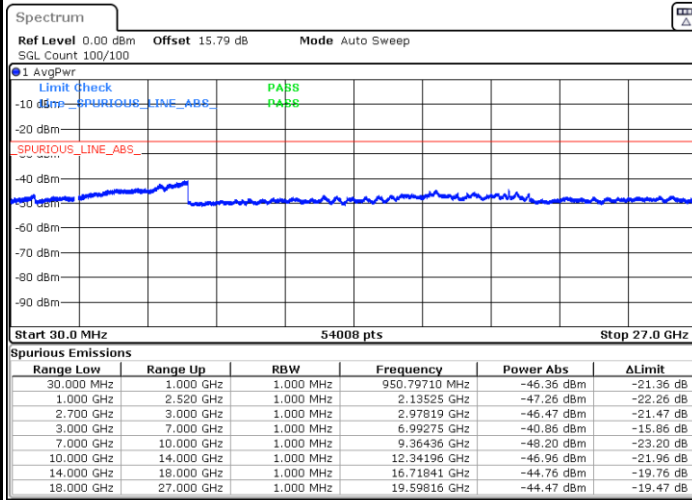




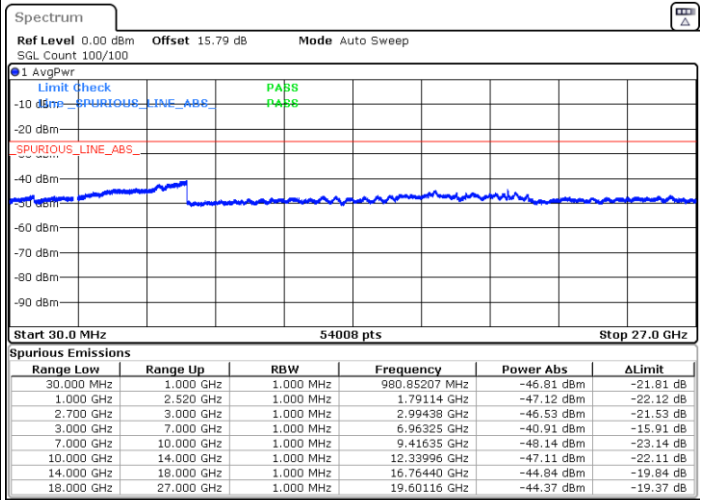
FR1 n38 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



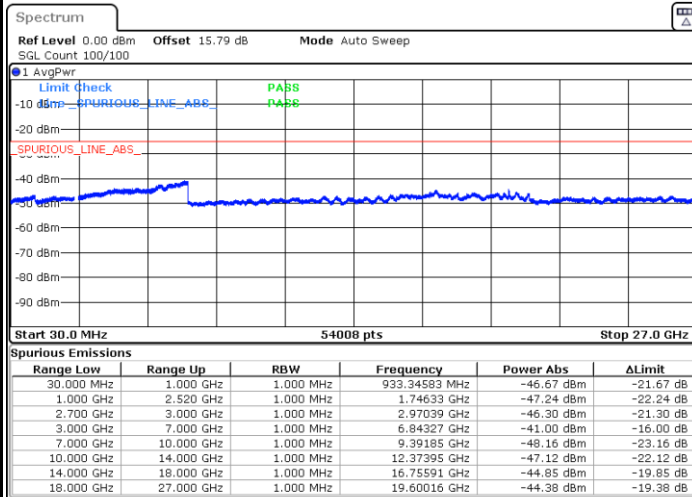
Date: 1 JUN 2022 18:19:07

Middle Channel / 1RB1



Date: 1 JUN 2022 18:20:12

Highest Channel / 1RB1

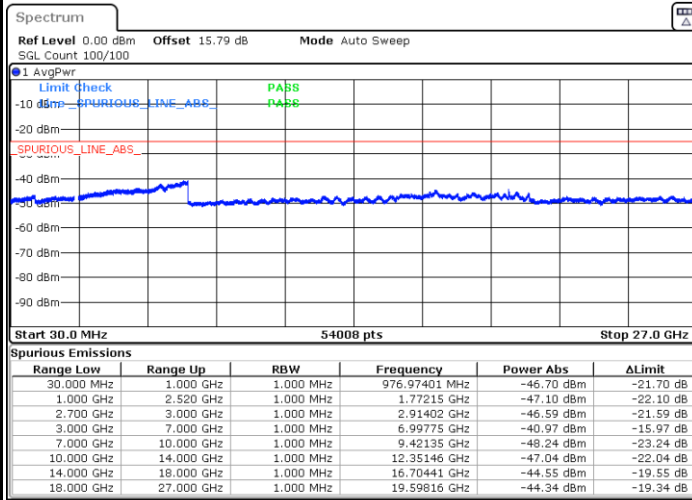


Date: 1 JUN 2022 18:21:05



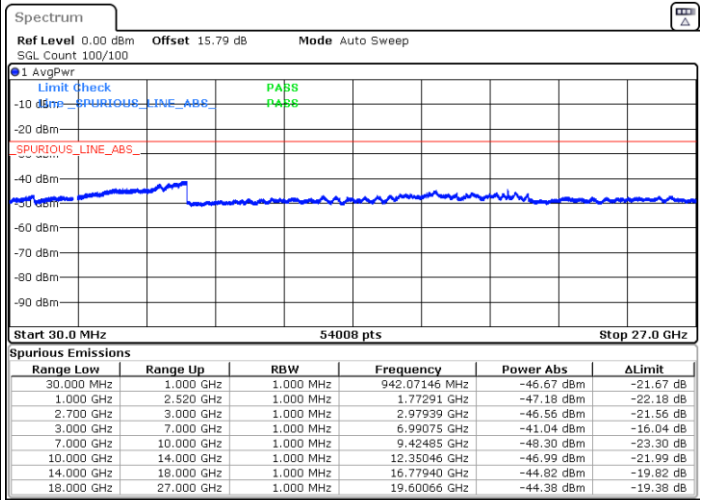
FR1 n38 / 40MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



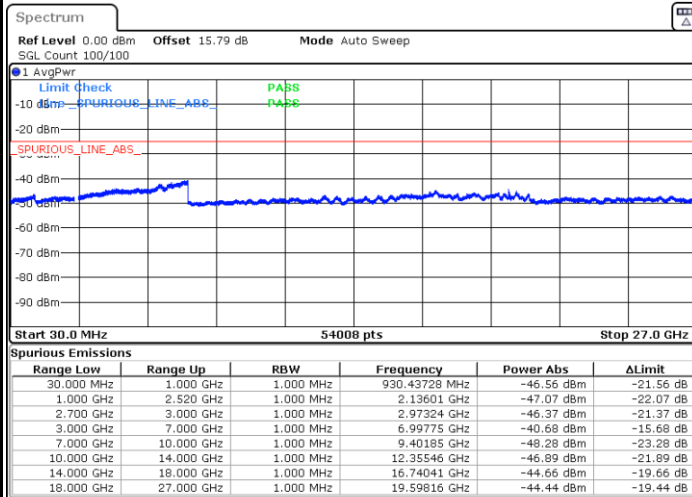
Date: 1 JUN 2022 18:22:43

Middle Channel / 1RB1



Date: 1 JUN 2022 18:32:24

Highest Channel / 1RB1



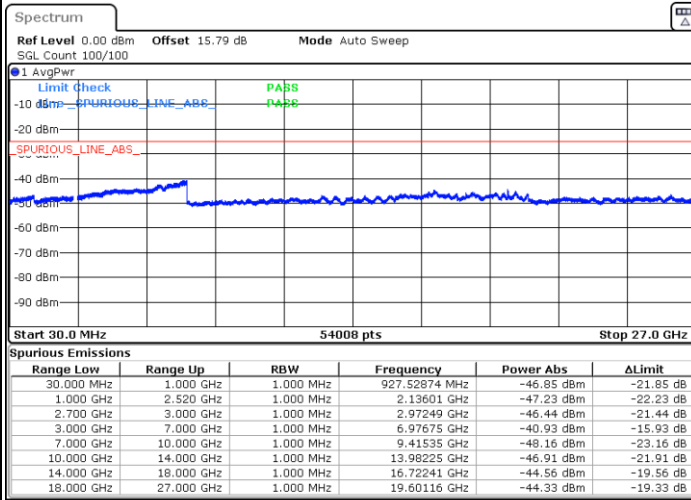
Date: 1 JUN 2022 18:33:39



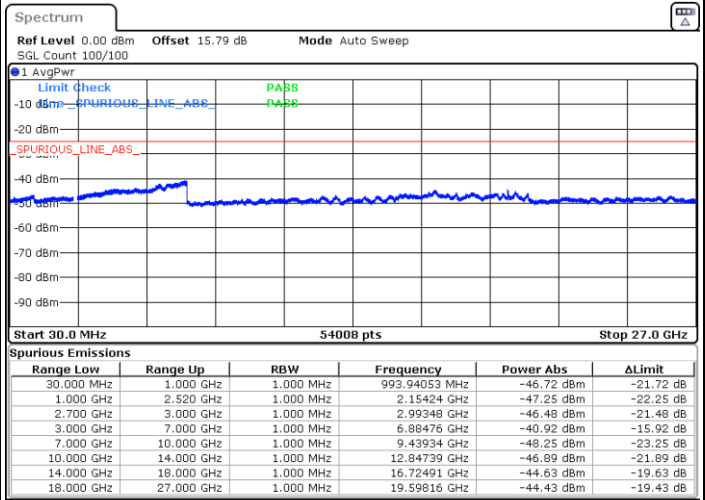
FR1 n38 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

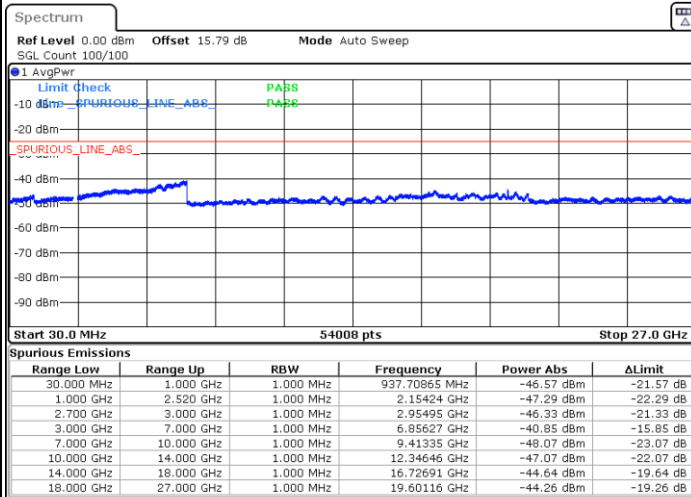


Date: 1 JUN 2022 18:23:54



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:

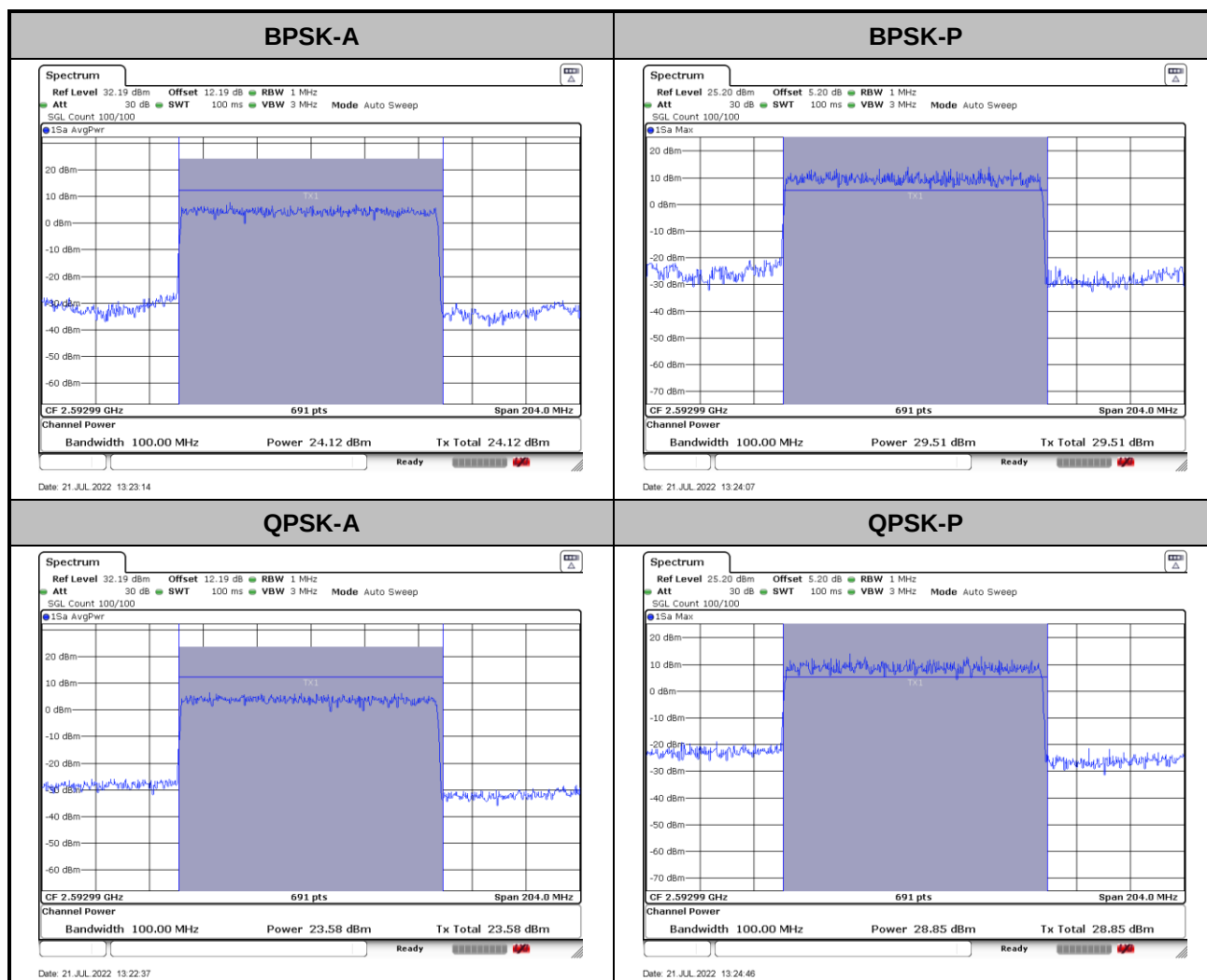
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



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



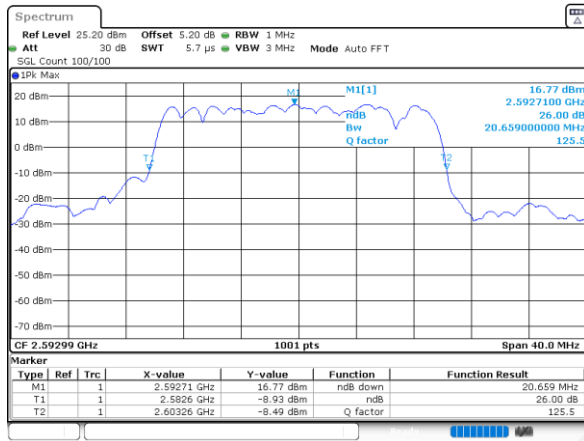
26dB Bandwidth

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

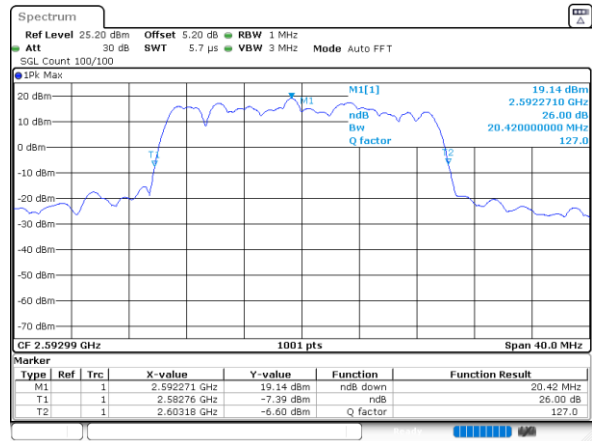


20MHz CP

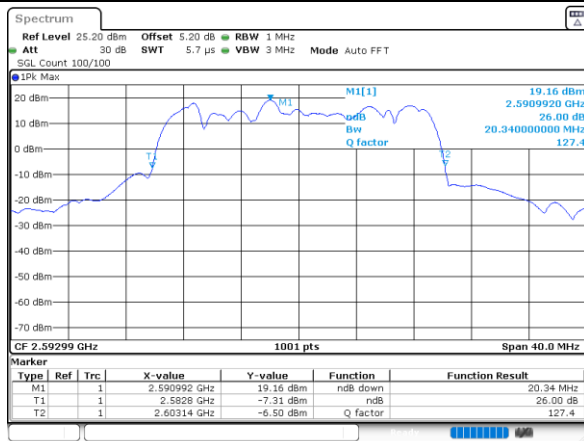
QPSK



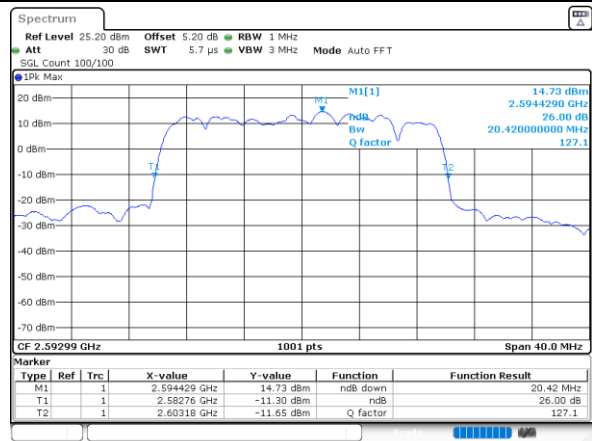
16QAM



64QAM



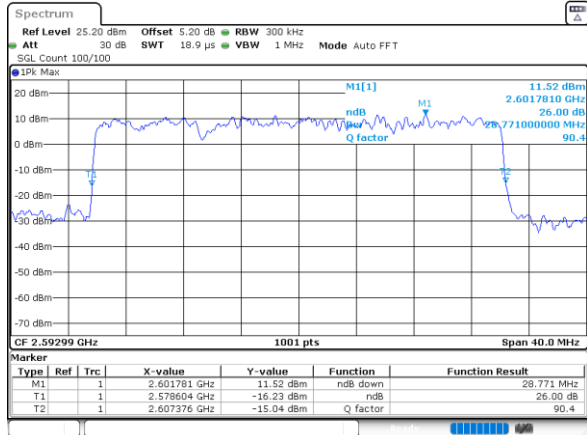
256QAM



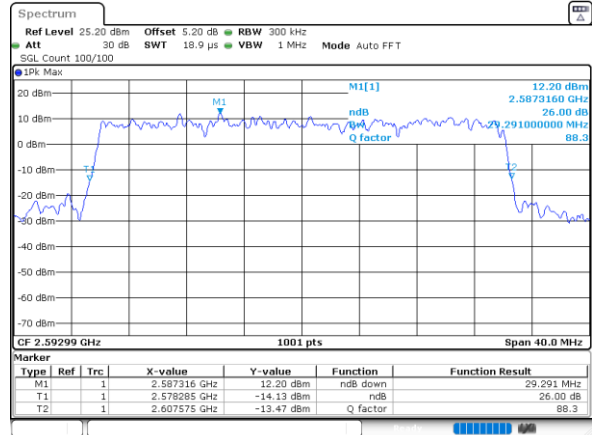


30MHz CP

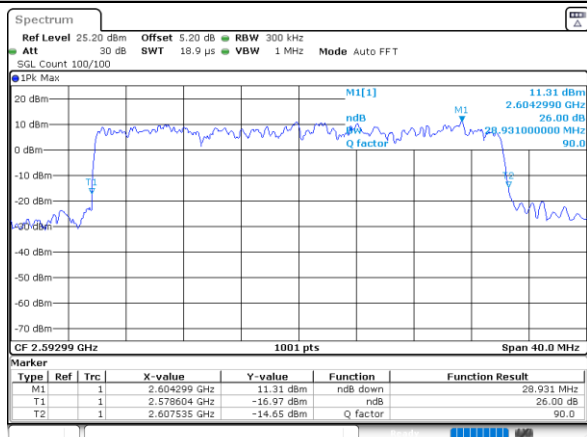
QPSK



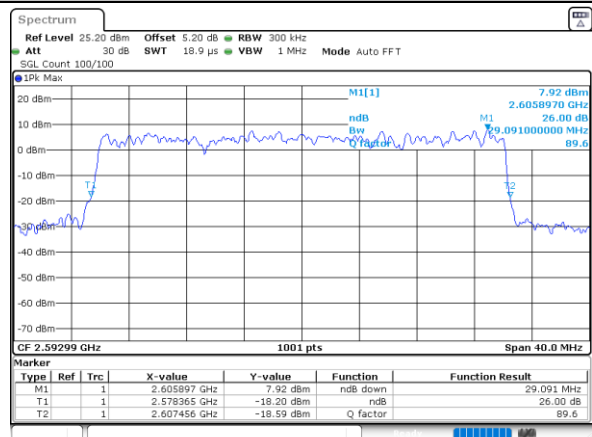
16QAM



64QAM



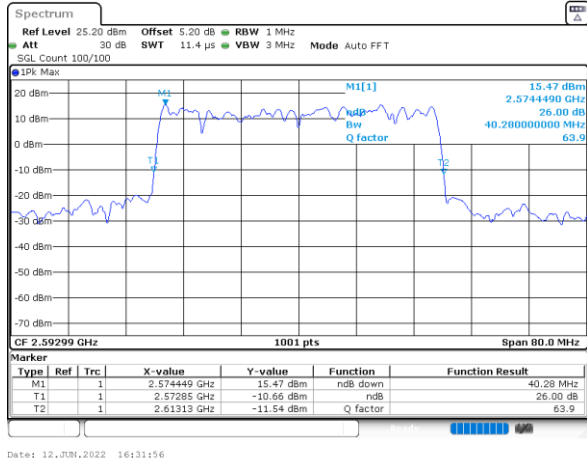
256QAM



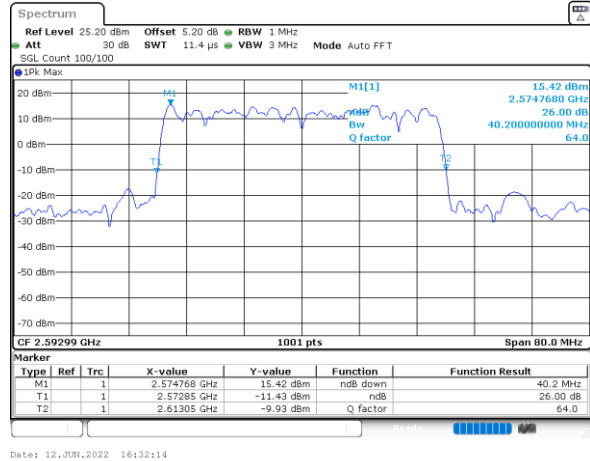


40MHz CP

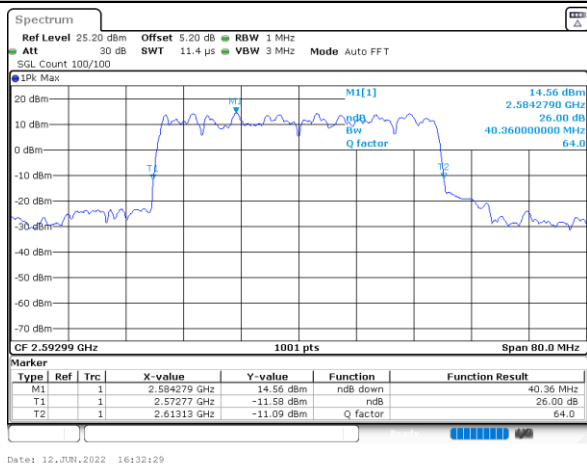
QPSK



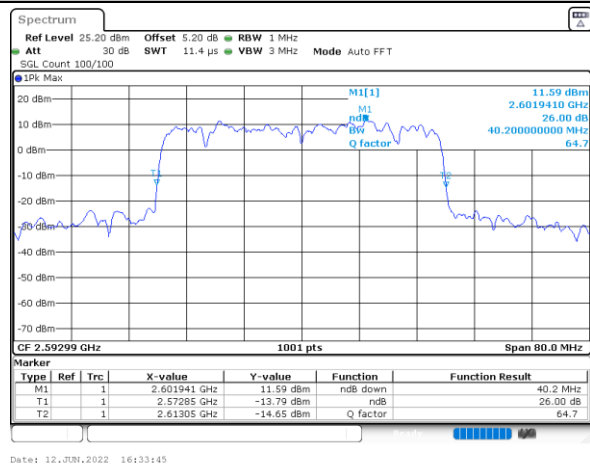
16QAM



64QAM



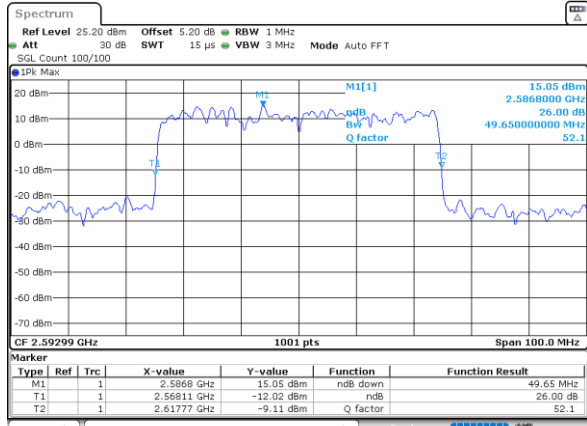
256QAM





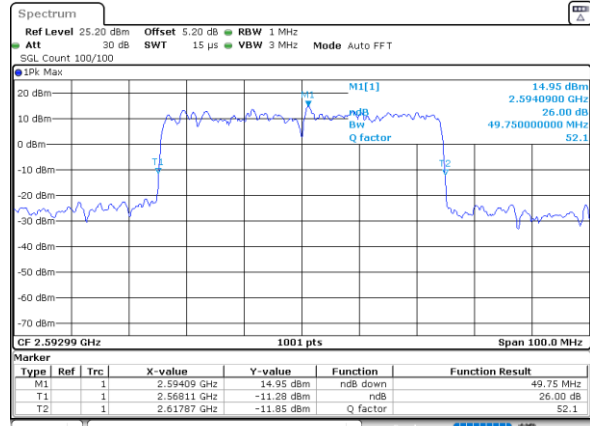
50MHz CP

QPSK



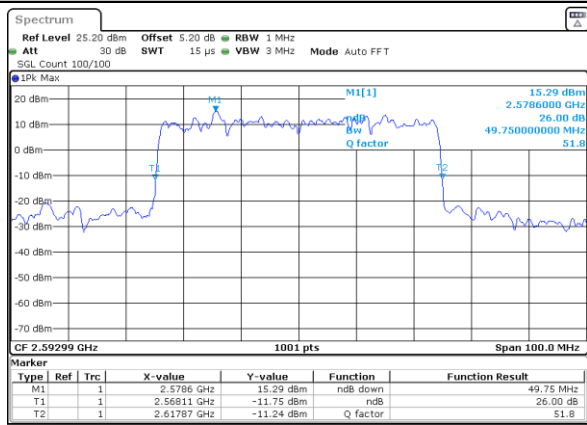
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16QAM



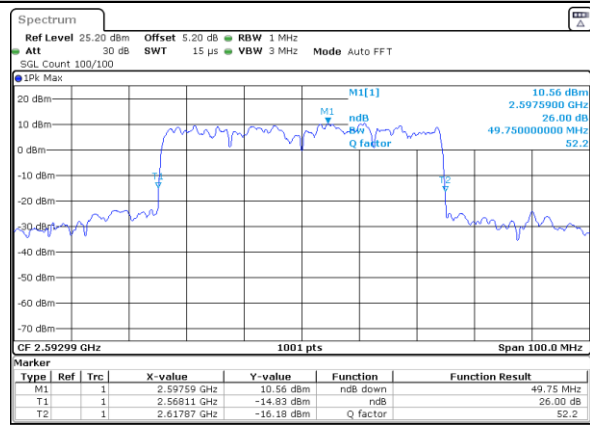
Date: 12.JUN.2022 16:34:57

64QAM



Date: 12.JUN.2022 16:35:15

256QAM

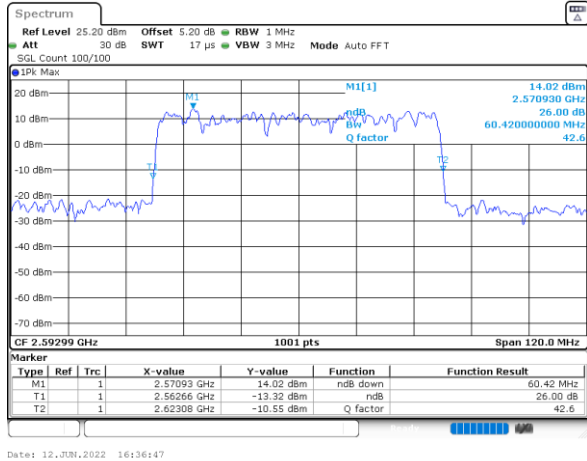


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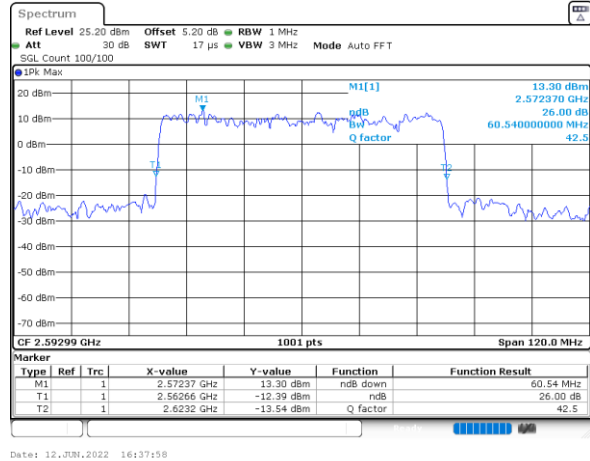


60MHz CP

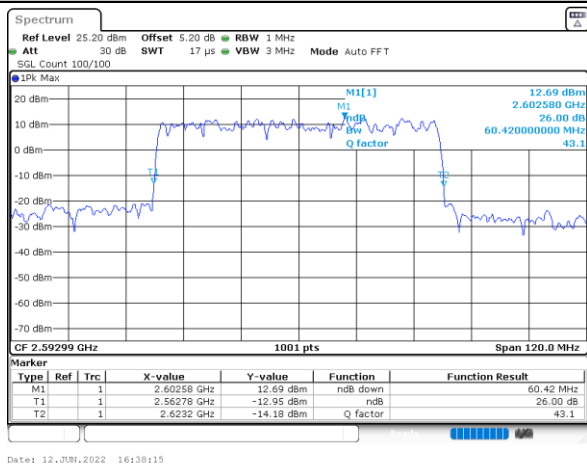
QPSK



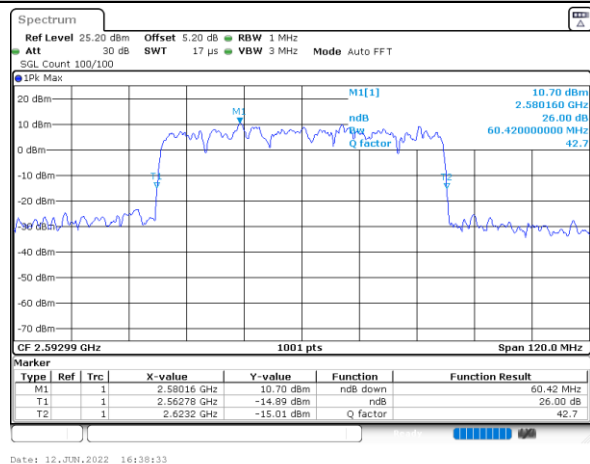
16QAM



64QAM



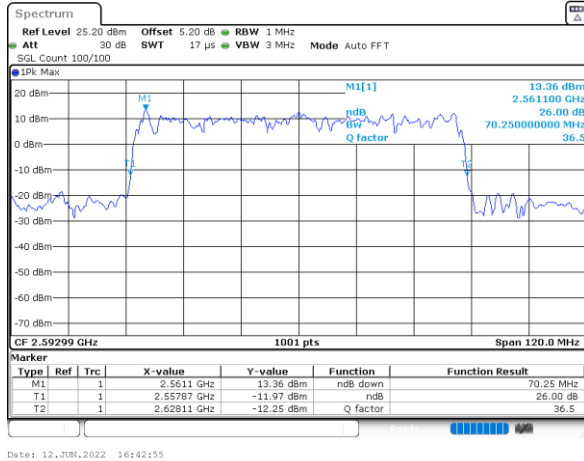
256QAM



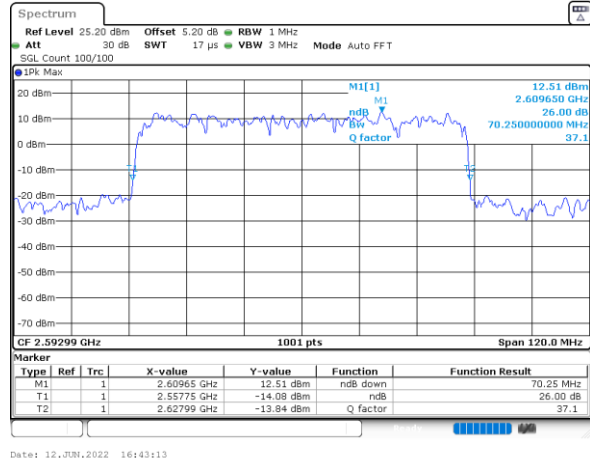


70MHz CP

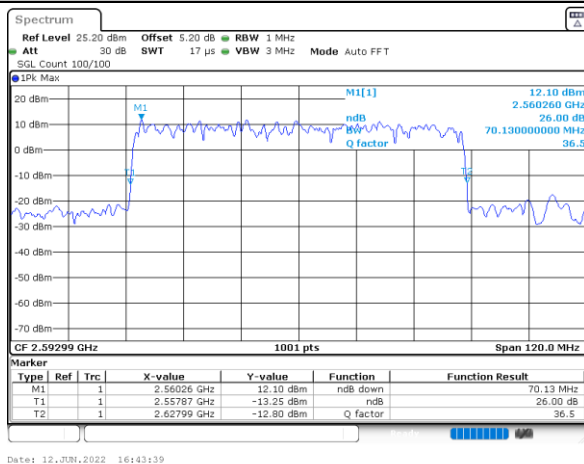
QPSK



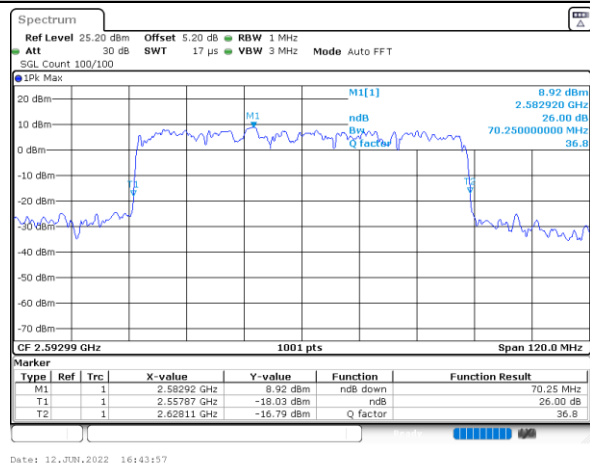
16QAM



64QAM



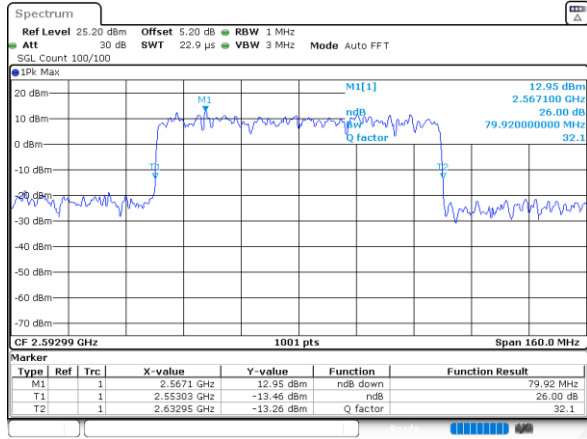
256QAM



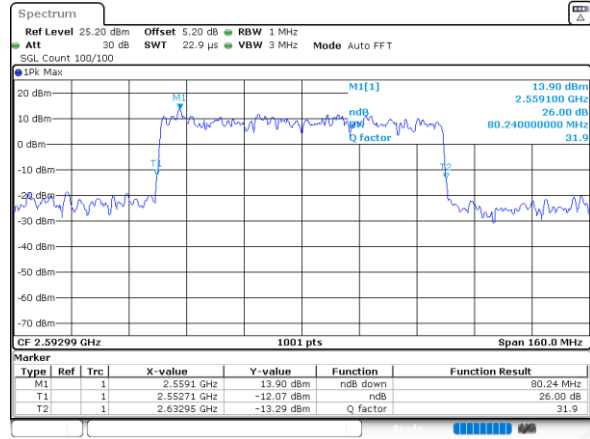


80MHz CP

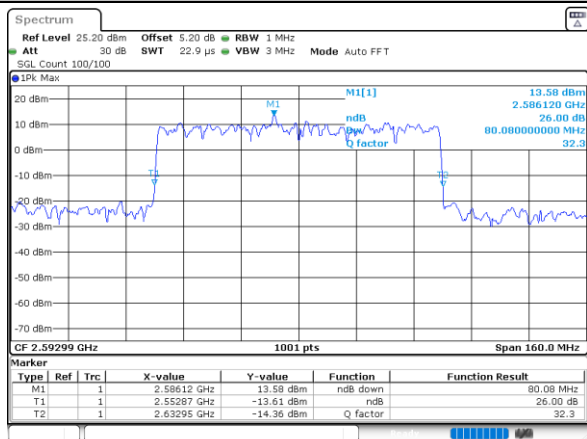
QPSK



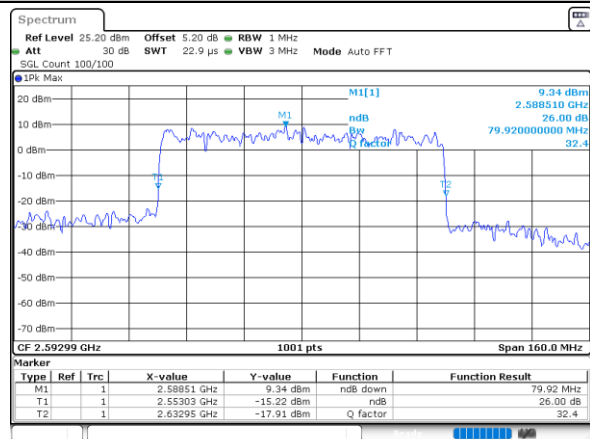
16QAM



64QAM



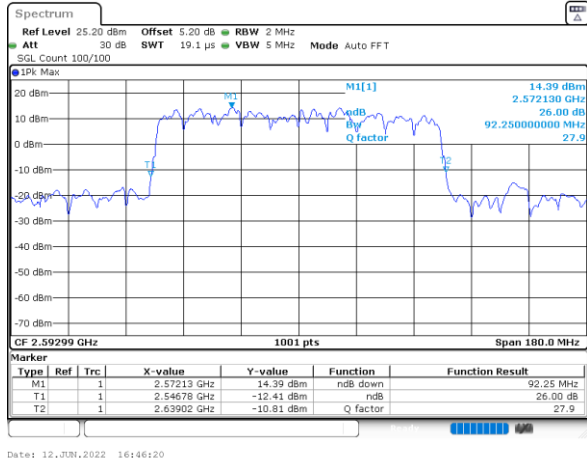
256QAM



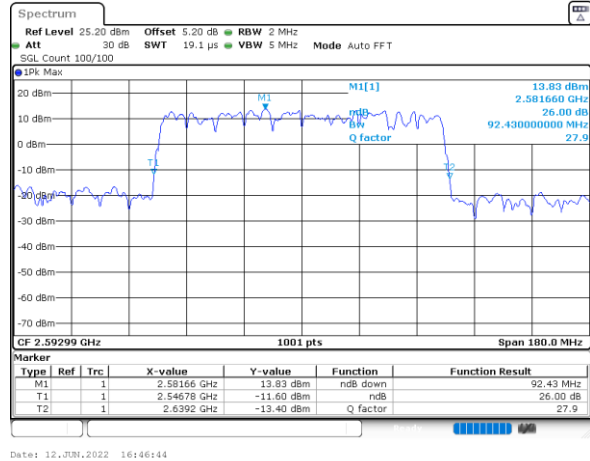


90MHz CP

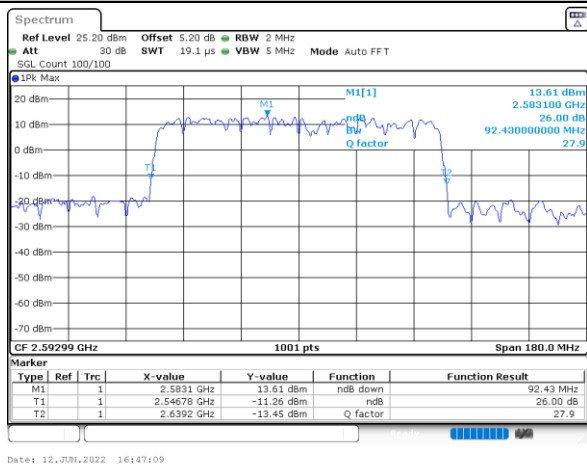
QPSK



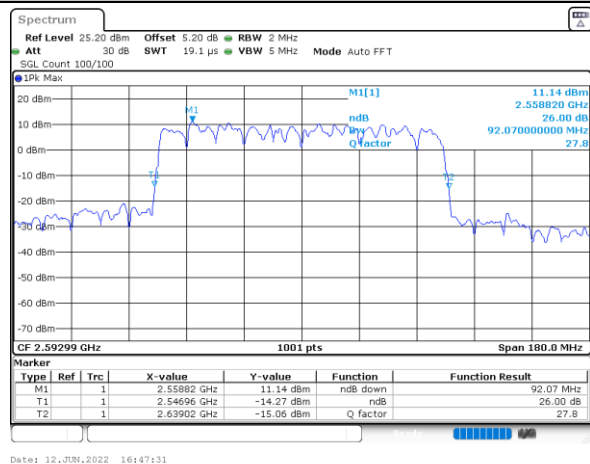
16QAM



64QAM



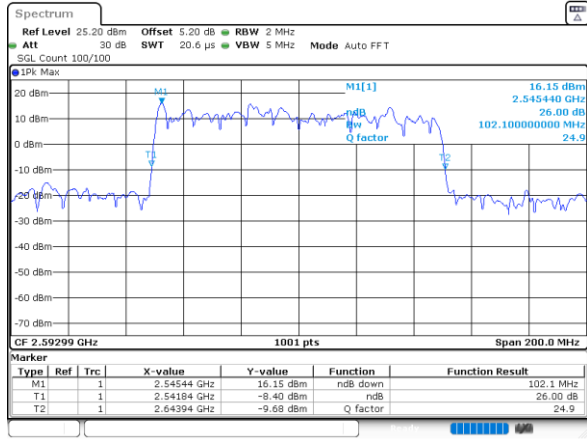
256QAM



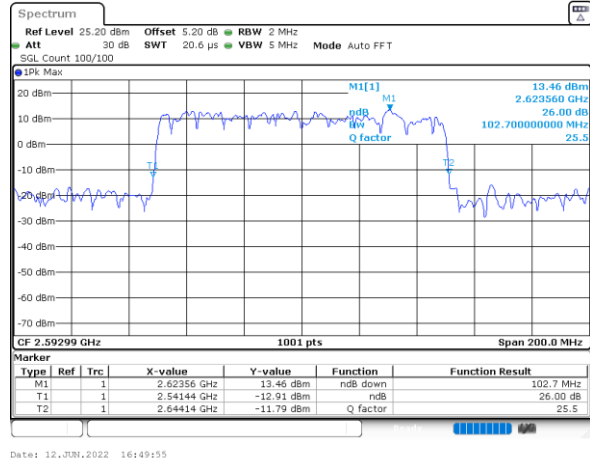


100MHz CP

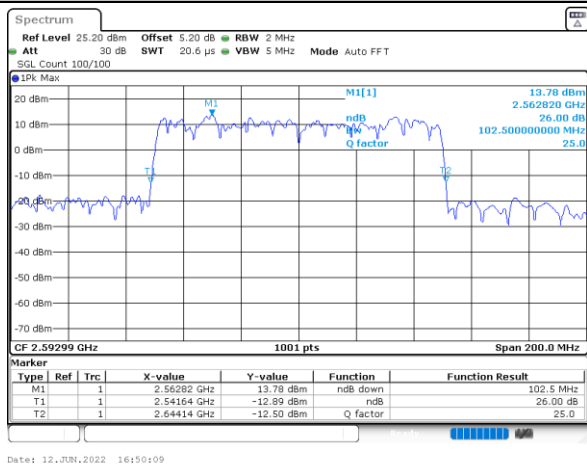
QPSK



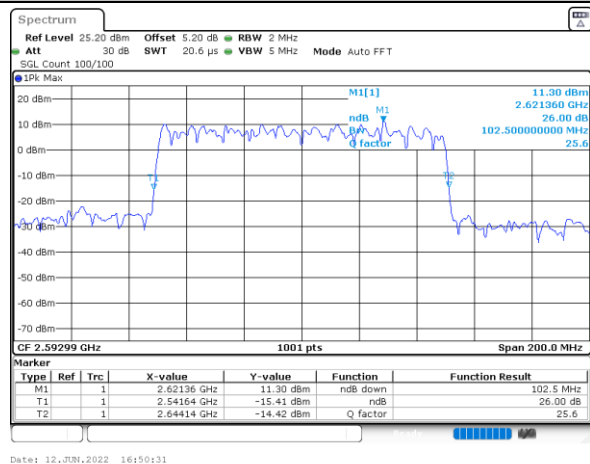
16QAM



64QAM



256QAM



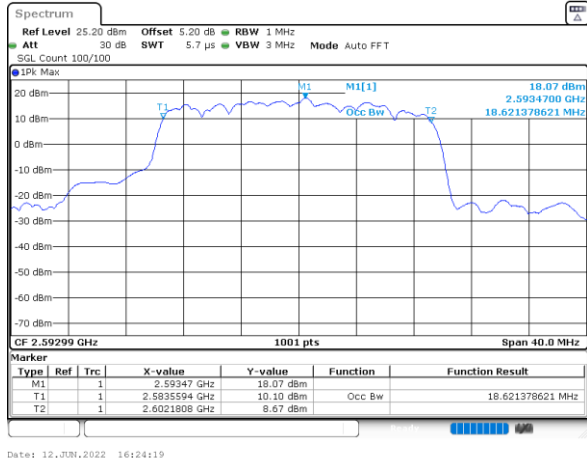
Occupied Bandwidth

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

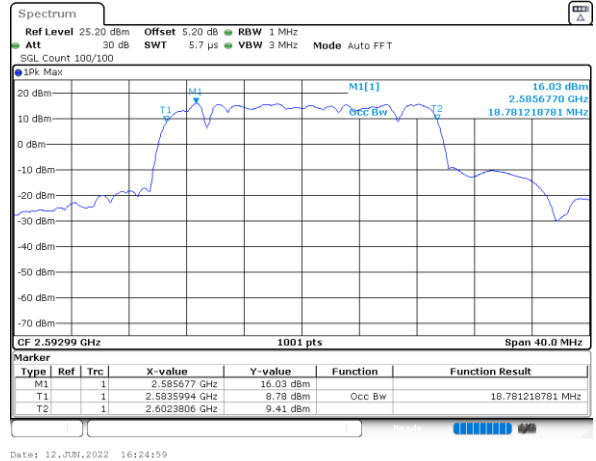


20MHz CP

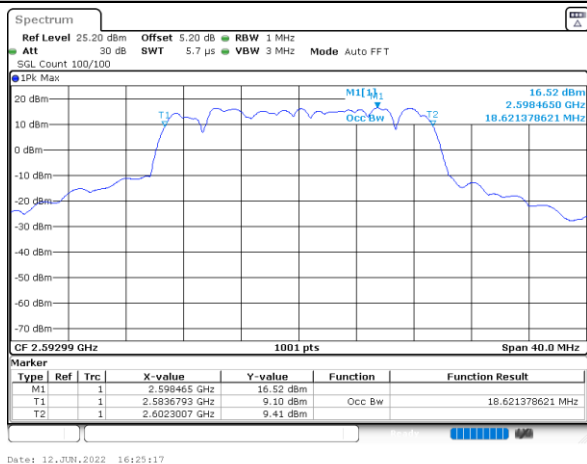
QPSK



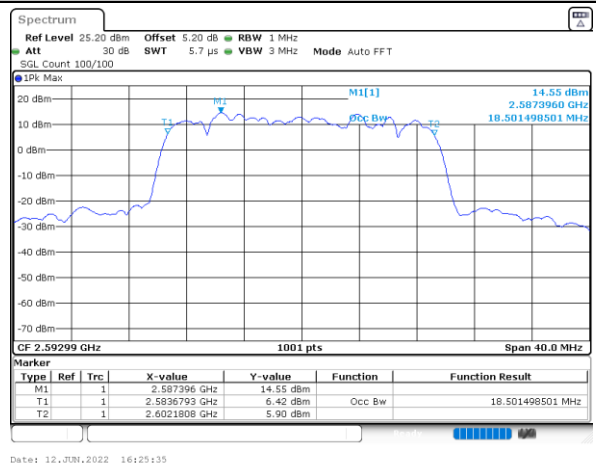
16QAM



64QAM



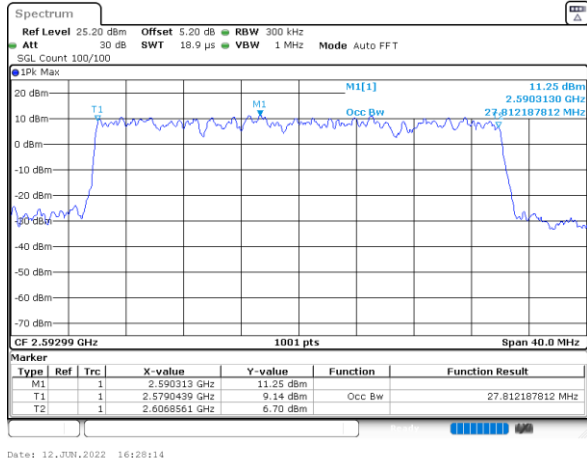
256QAM



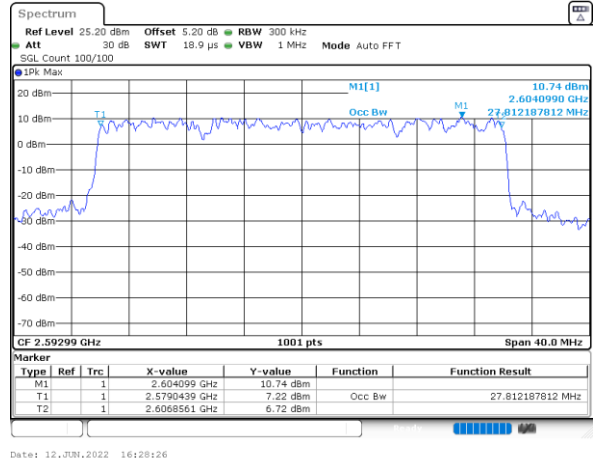


30MHz CP

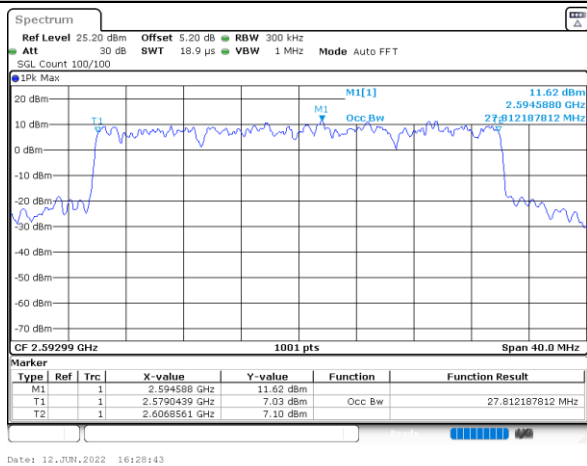
QPSK



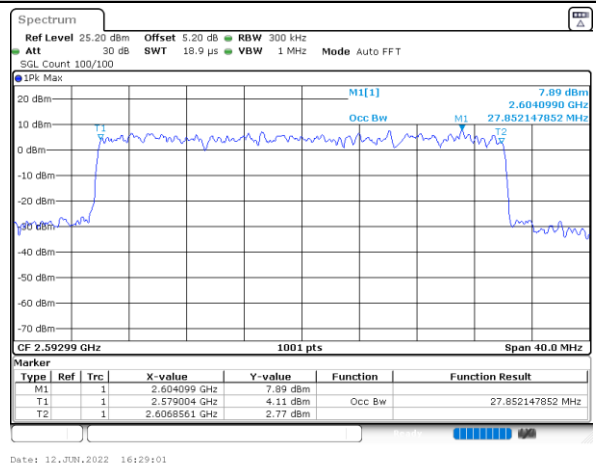
16QAM



64QAM



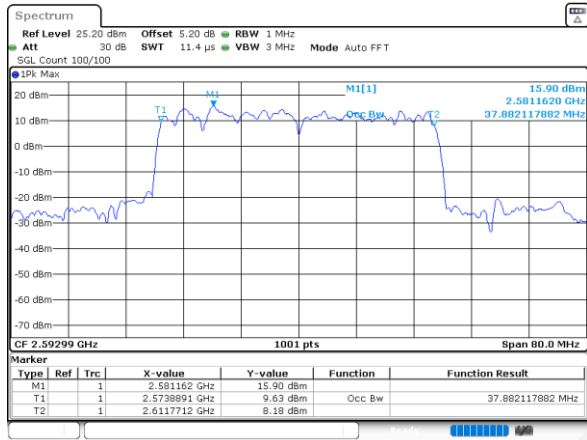
256QAM



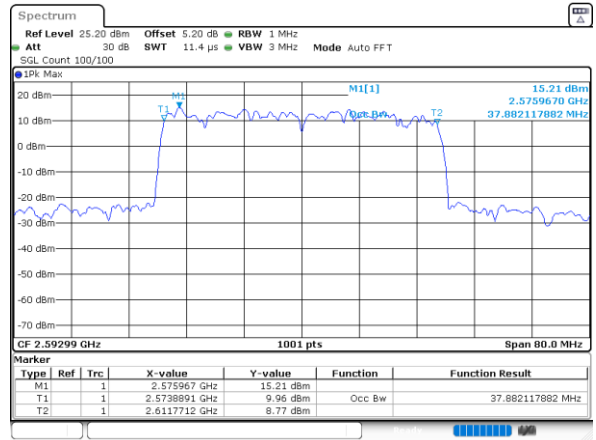


40MHz CP

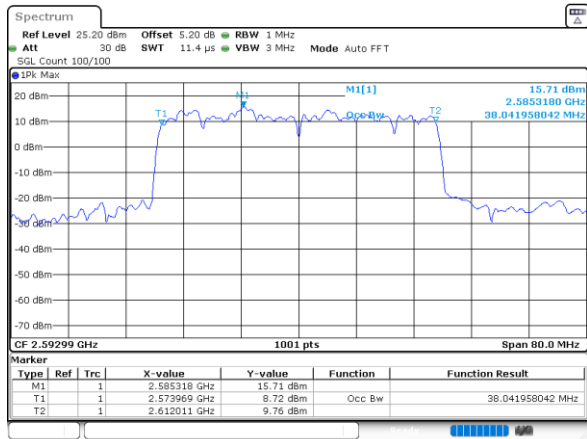
QPSK



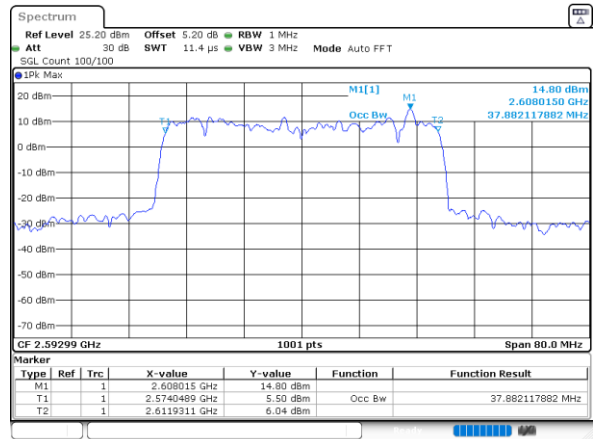
16QAM



64QAM



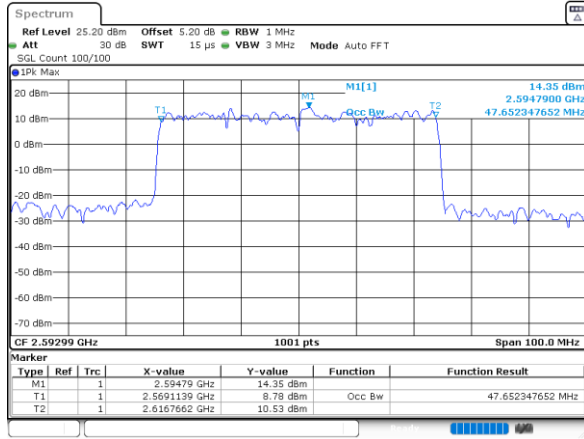
256QAM



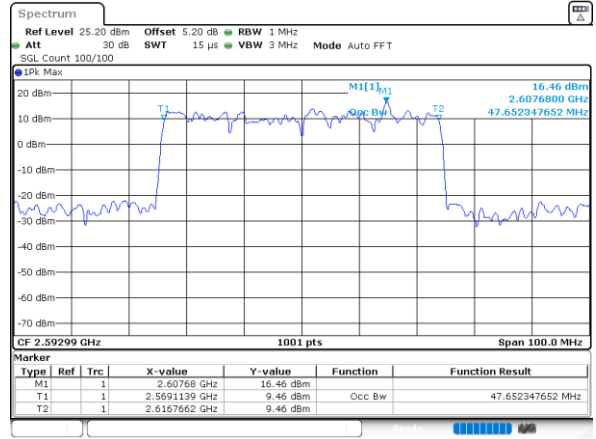


50MHz CP

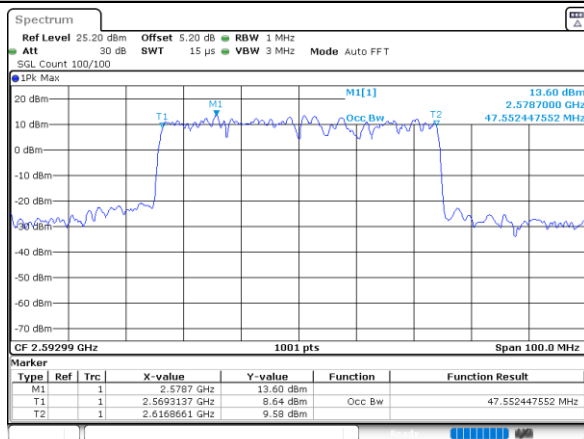
QPSK



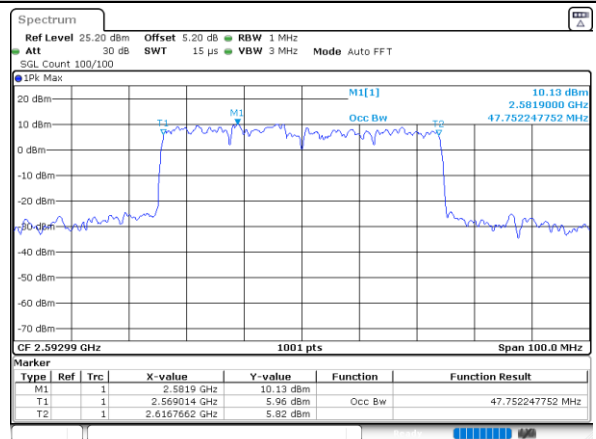
16QAM



64QAM



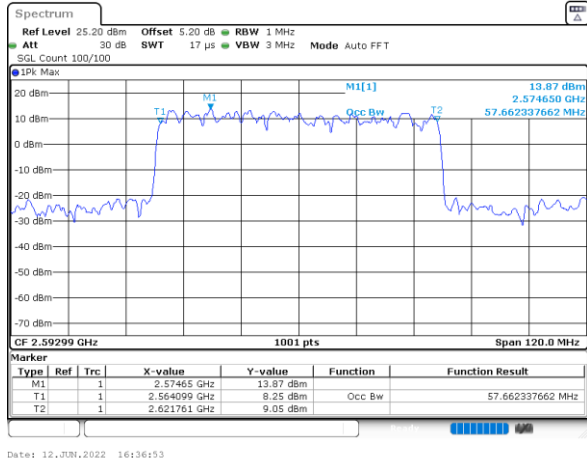
256QAM



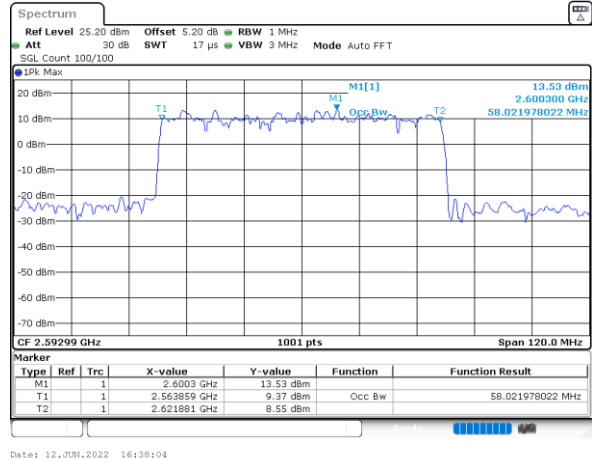


60MHz CP

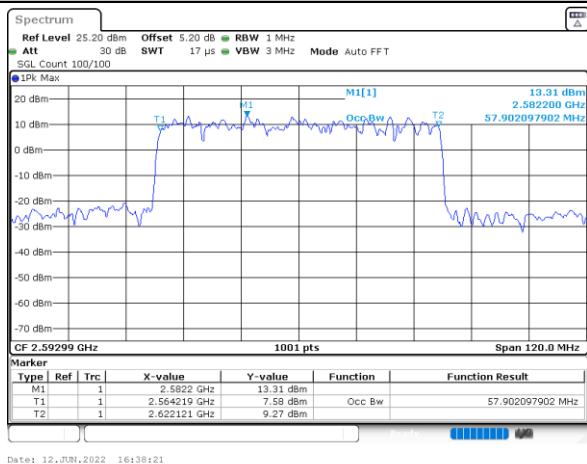
QPSK



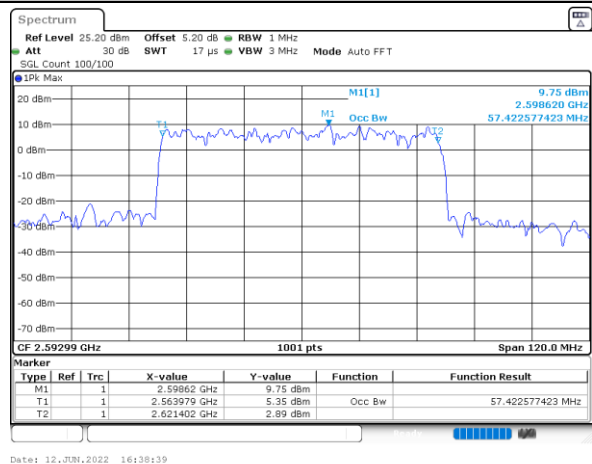
16QAM



64QAM



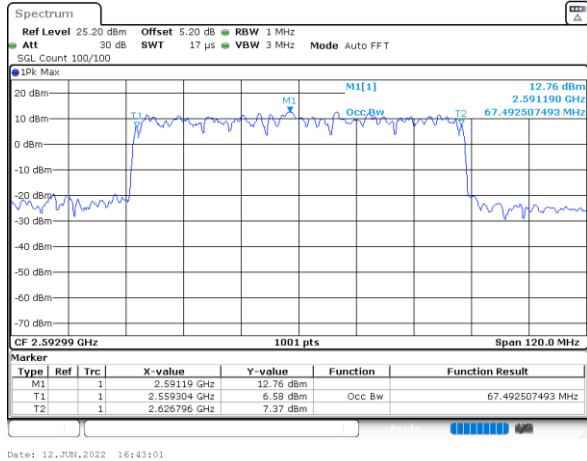
256QAM



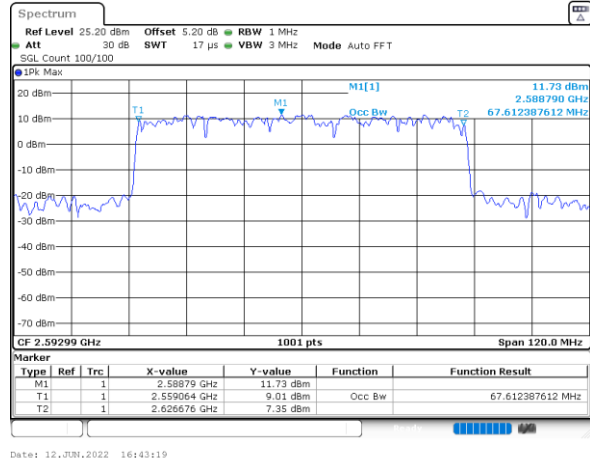


70MHz CP

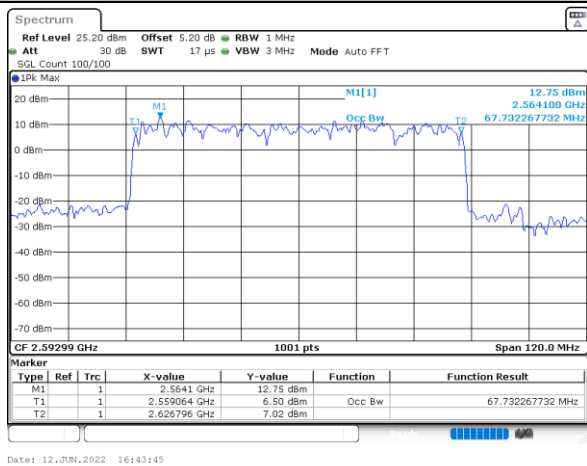
QPSK



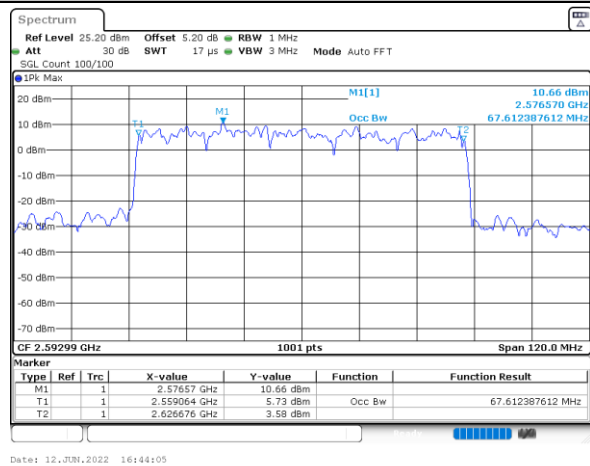
16QAM



64QAM



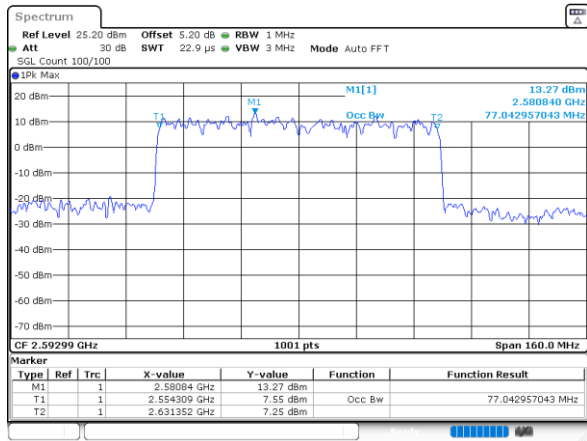
256QAM



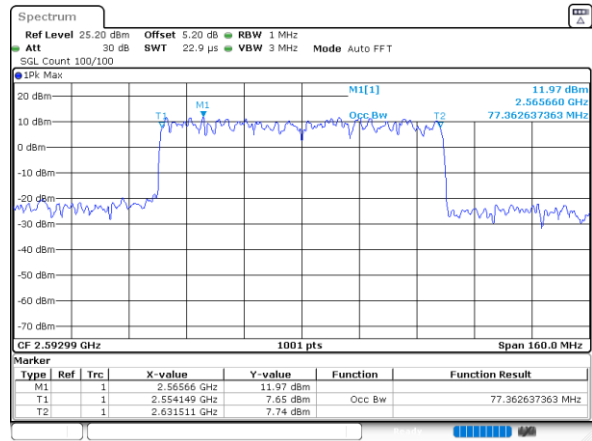


80MHz CP

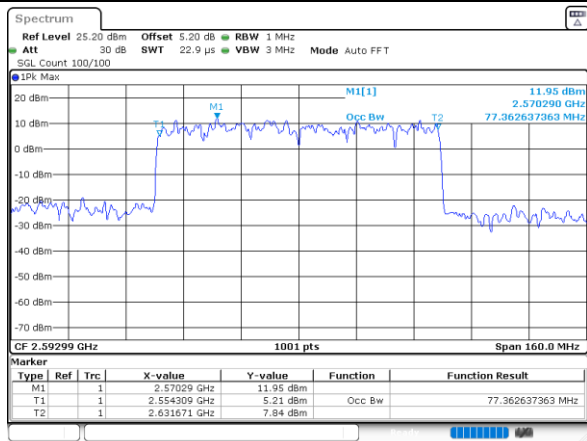
QPSK



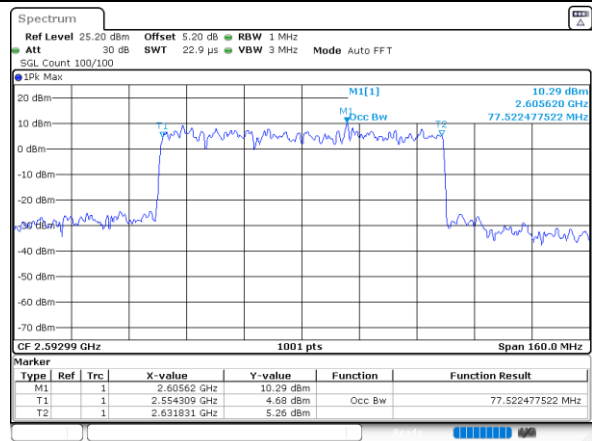
16QAM



64QAM



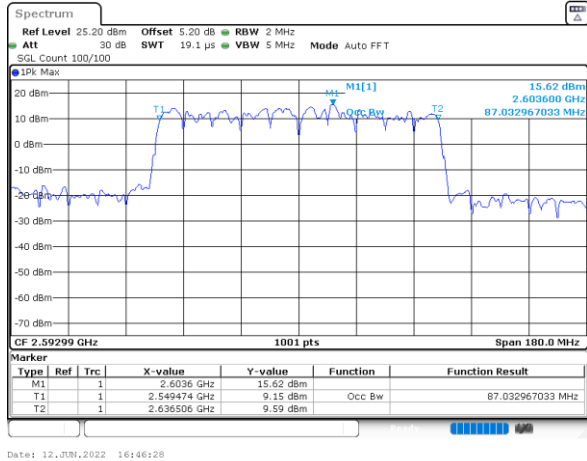
256QAM



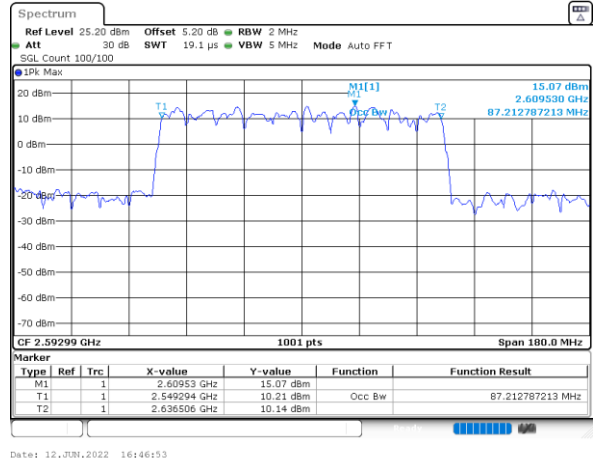


90MHz CP

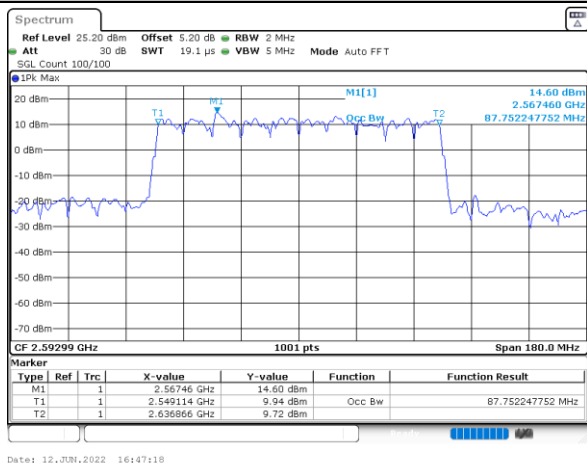
QPSK



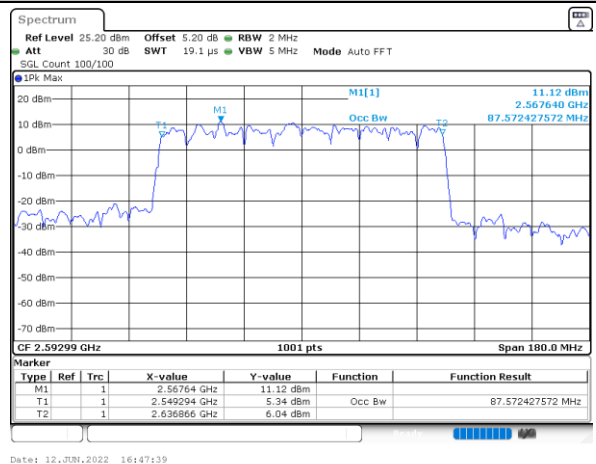
16QAM



64QAM



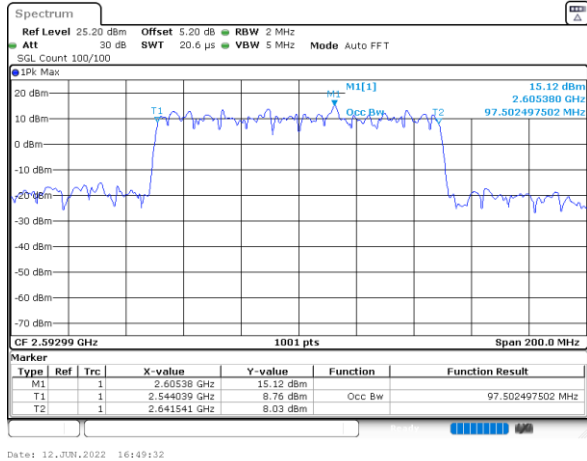
256QAM



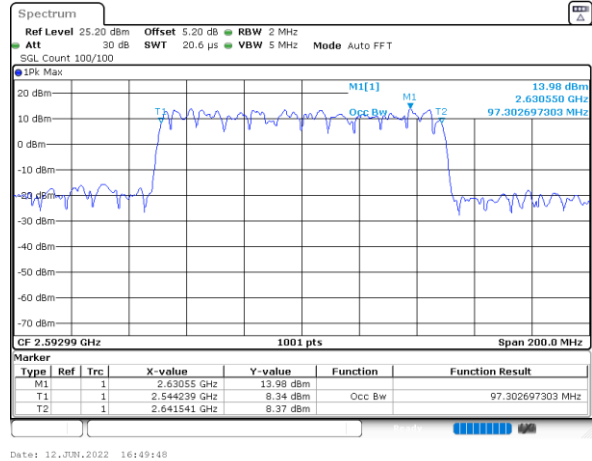


100MHz CP

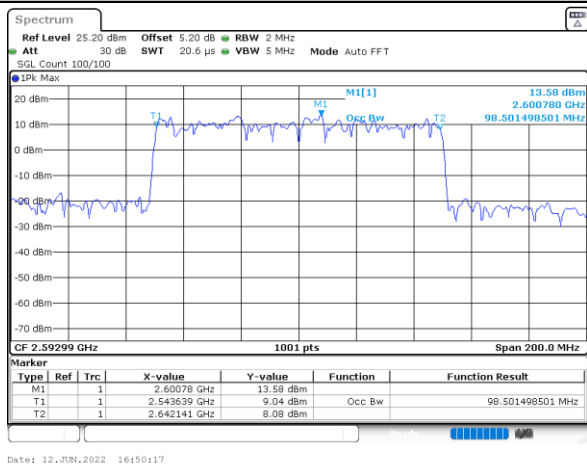
QPSK



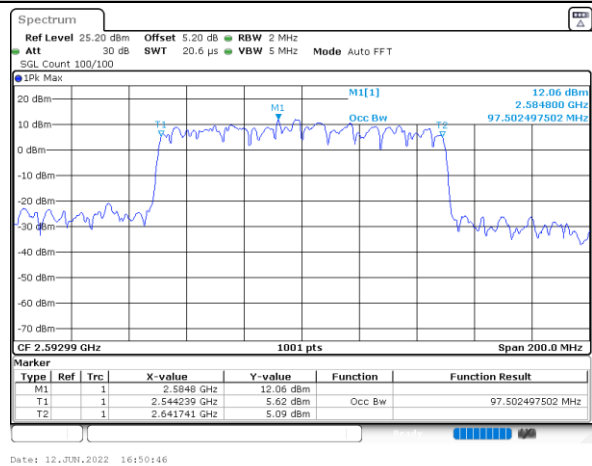
16QAM



64QAM



256QAM



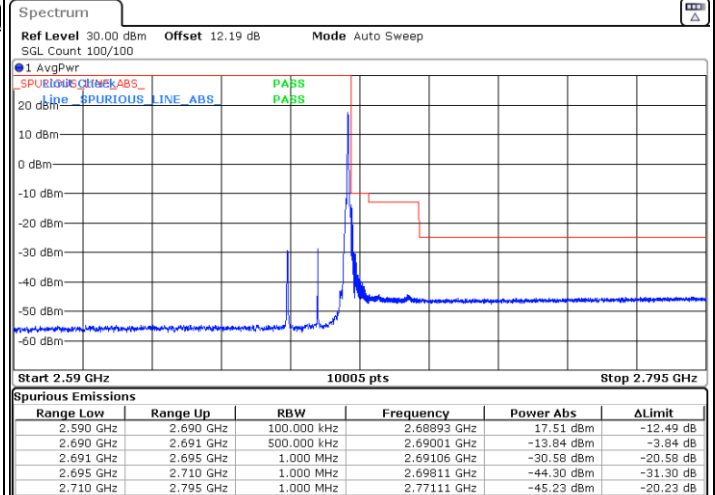
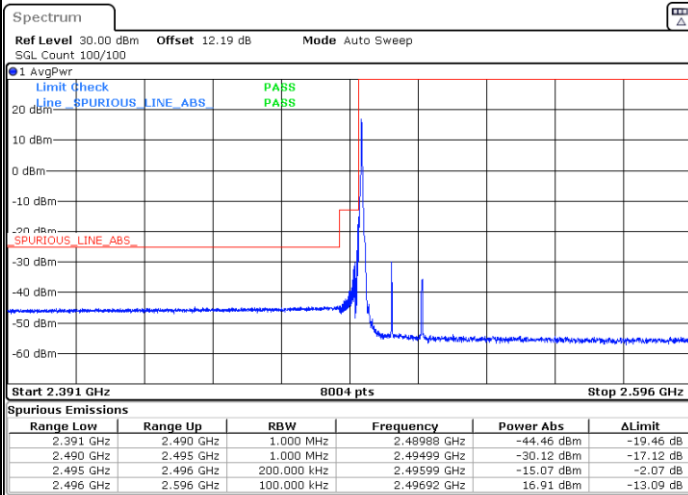


Conducted Band Edge

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

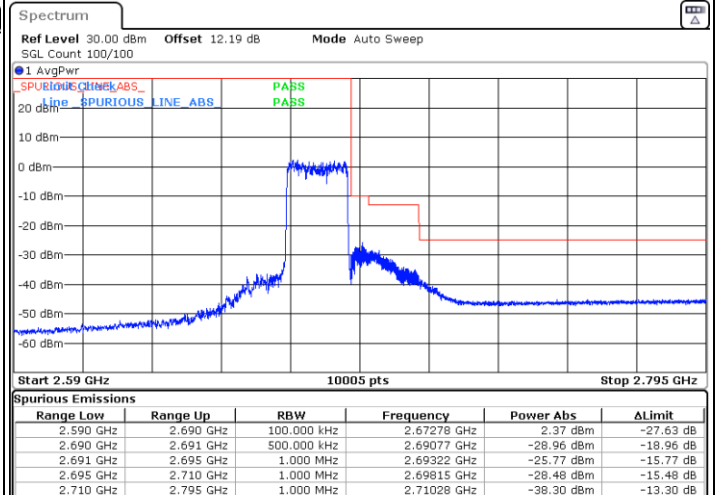
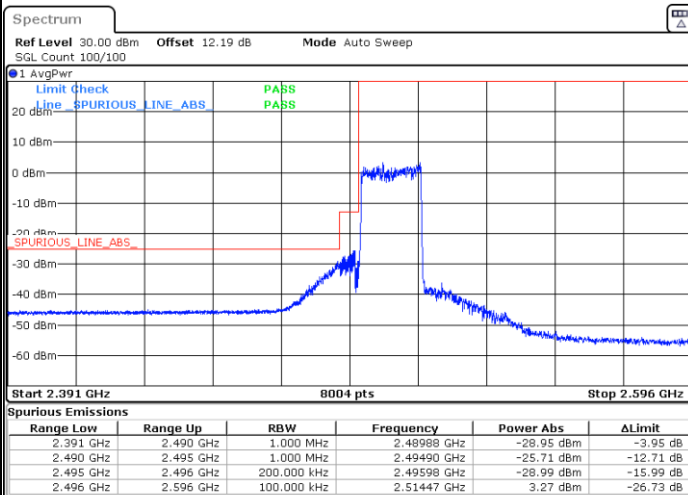
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

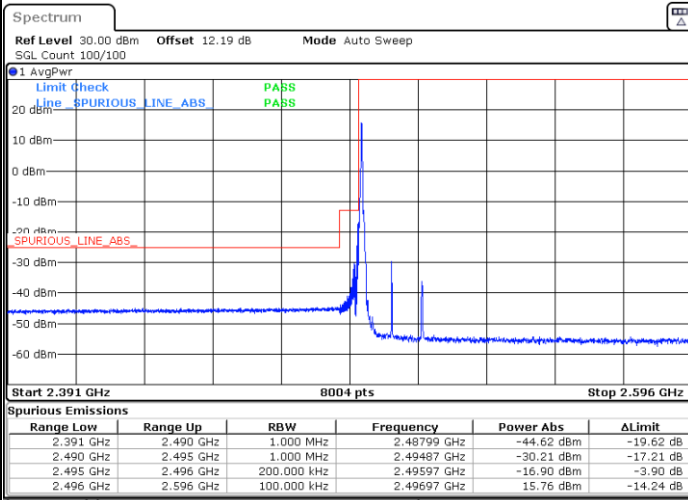




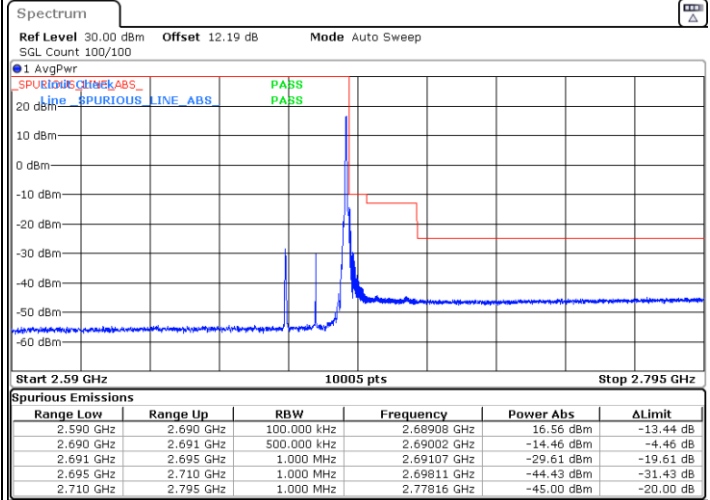
FR1 n41 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



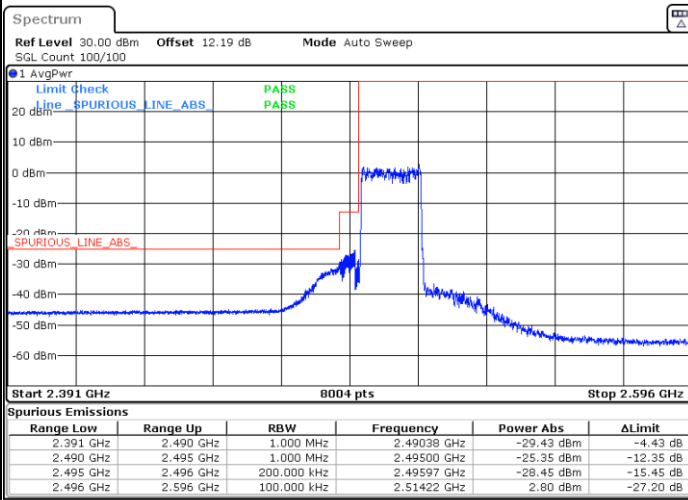
Date: 30.MAY.2022 23:30:01



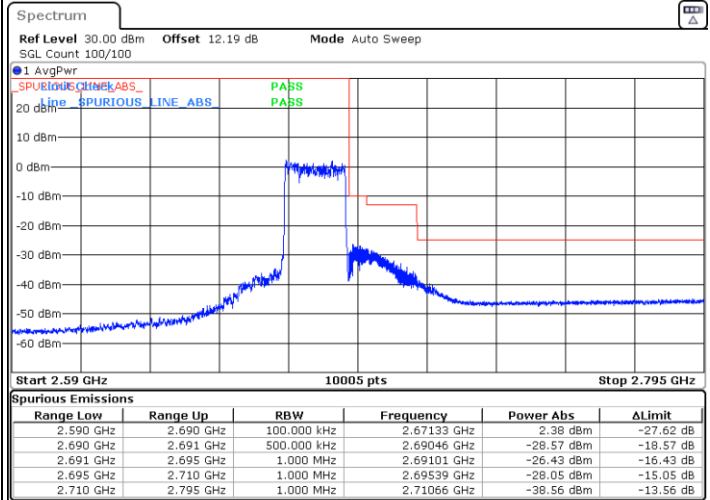
Date: 30.MAY.2022 23:42:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



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



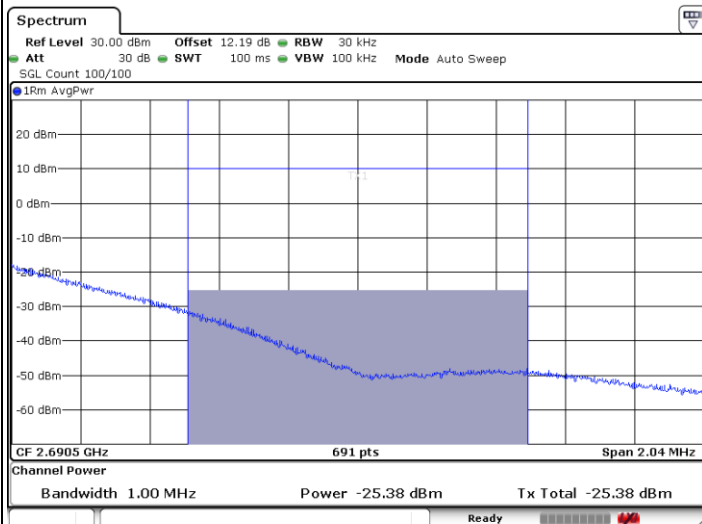
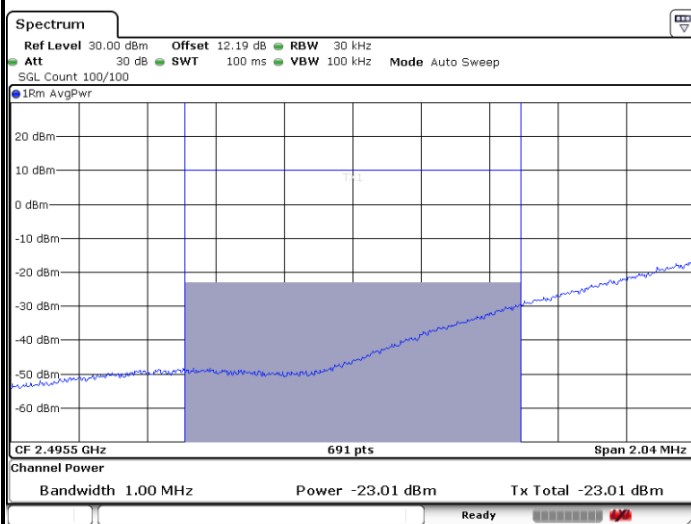
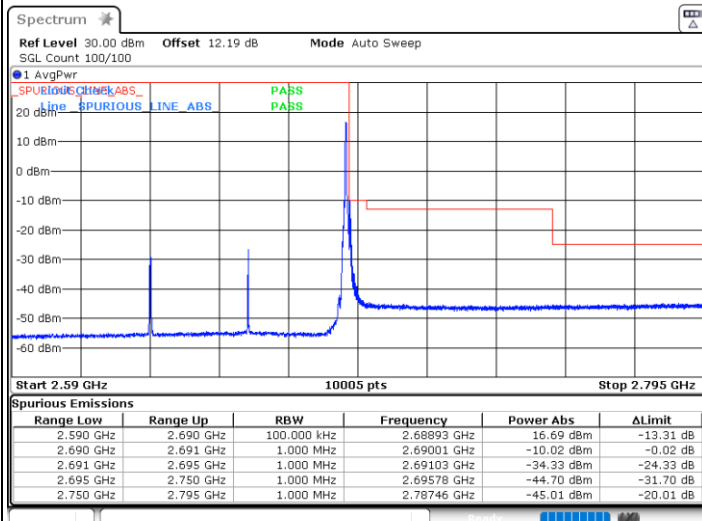
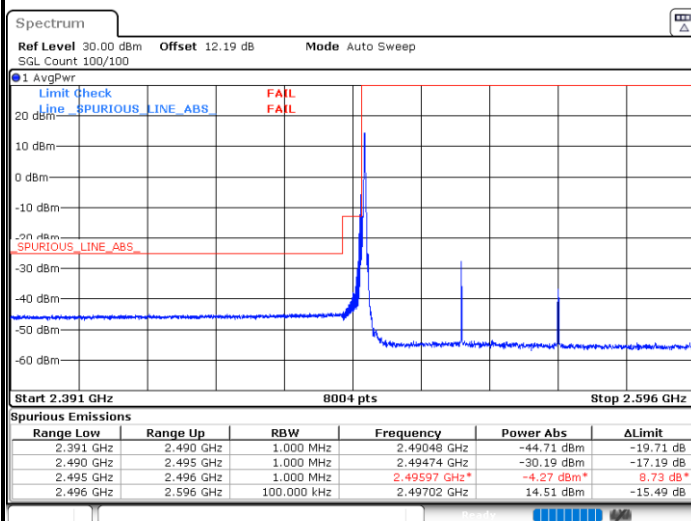
Date: 30.MAY.2022 23:42:57



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

Lowest Band Edge / 1RB0

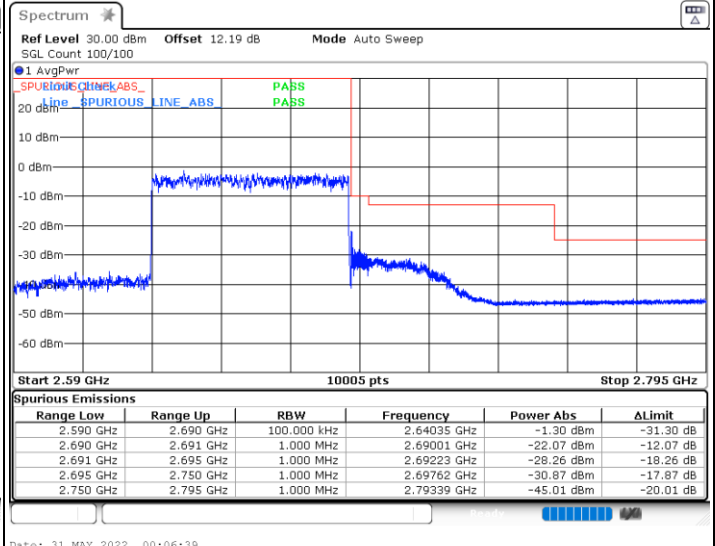
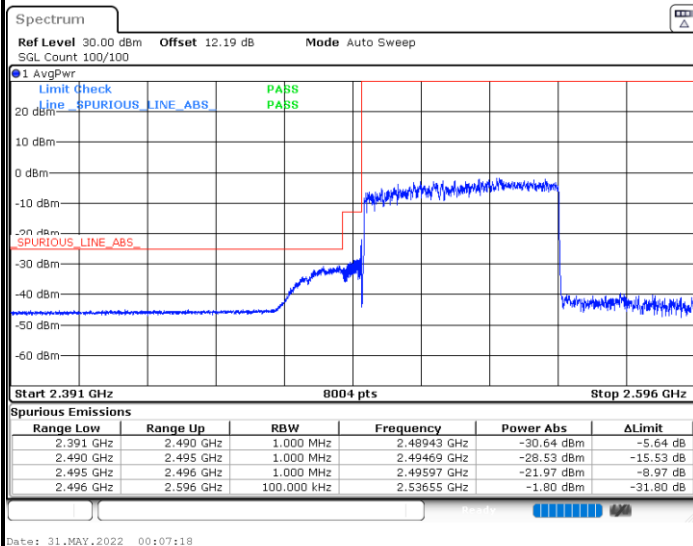
Highest Band Edge / 1RBmax





Lowest Band Edge / Full RB

Highest Band Edge / Full RB

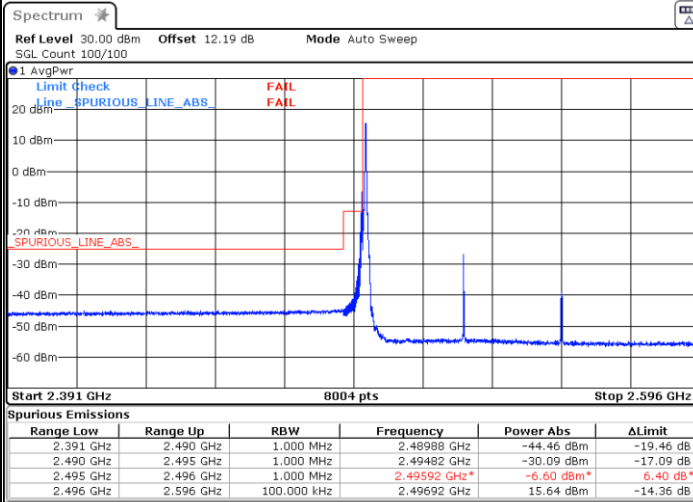




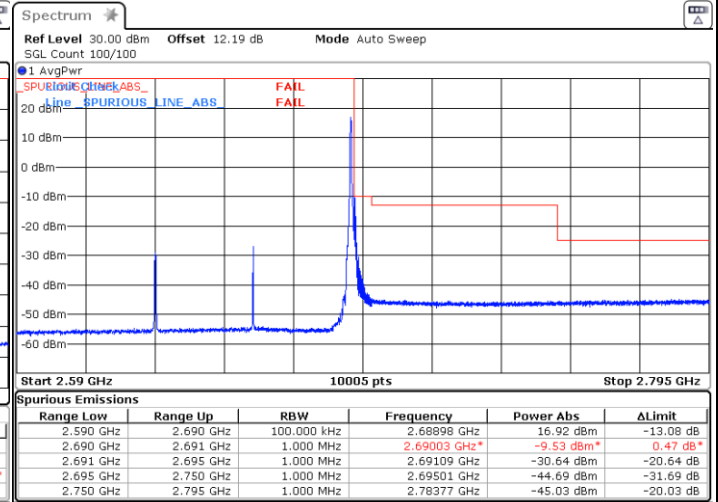
FR1 n41 / 60MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

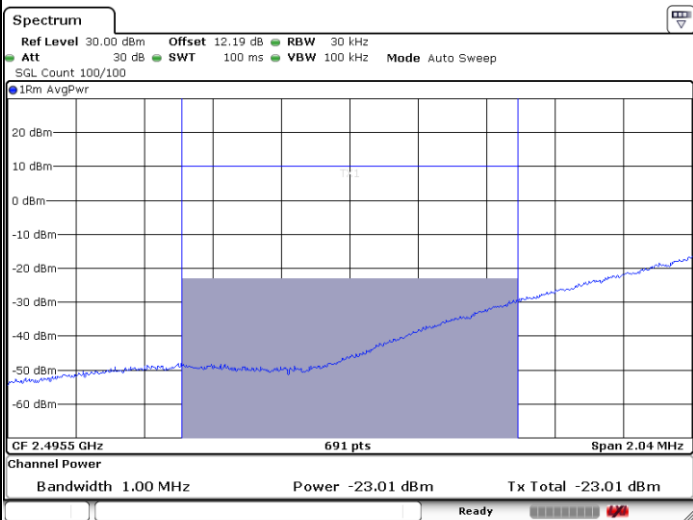
Highest Band Edge / 1RBmax



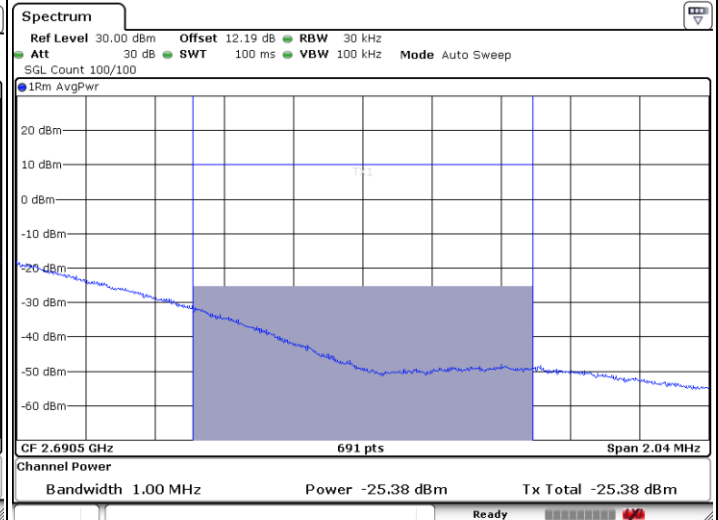
Date: 31.MAY.2022 00:08:31



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



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

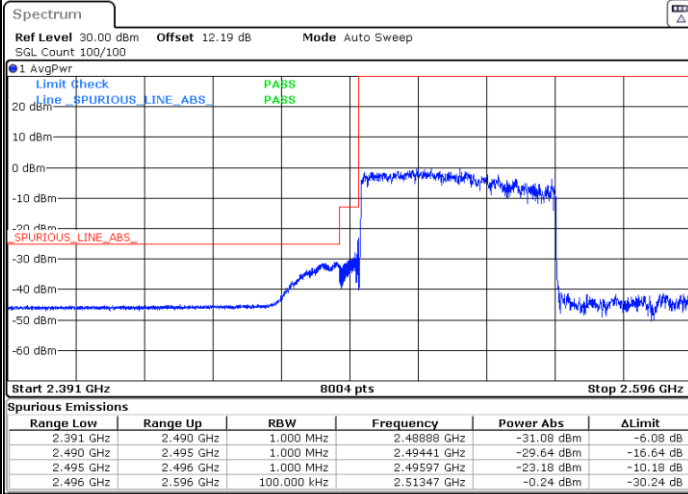


Date: 1.JUN.2022 02:30:43

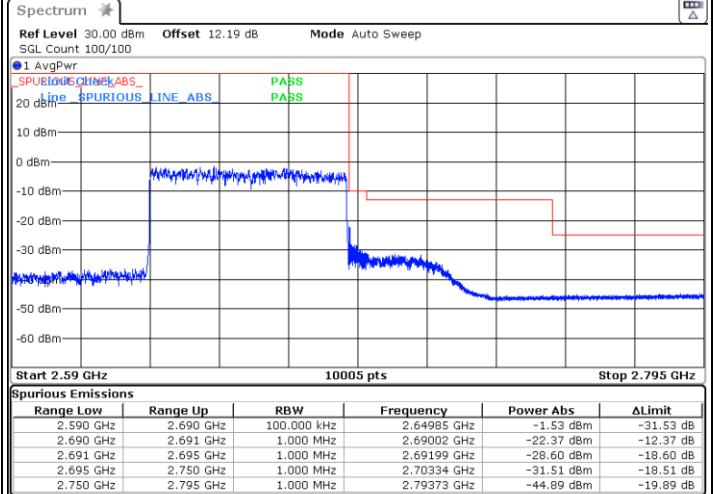


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.MAY.2022 00:07:41



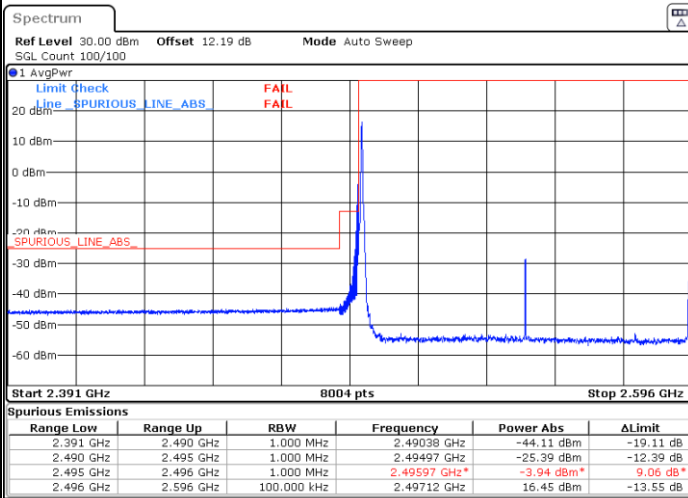
Date: 31.MAY.2022 00:06:12



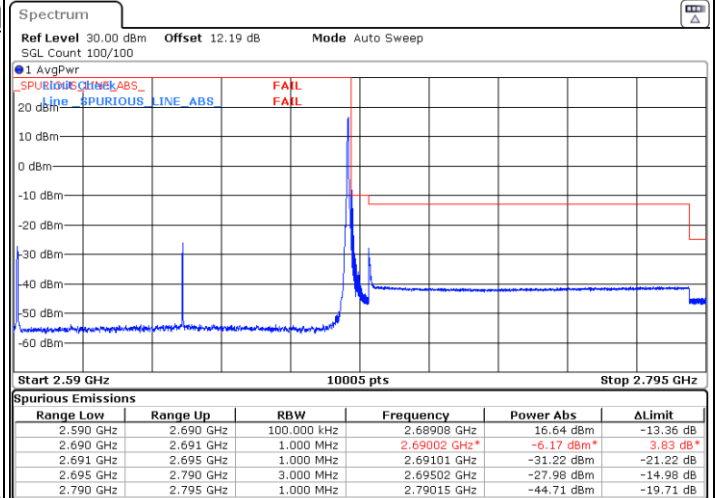
FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

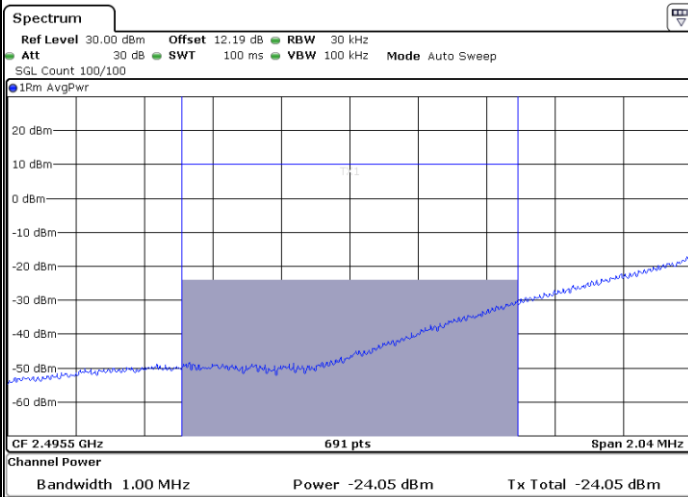
Highest Band Edge / 1RBmax



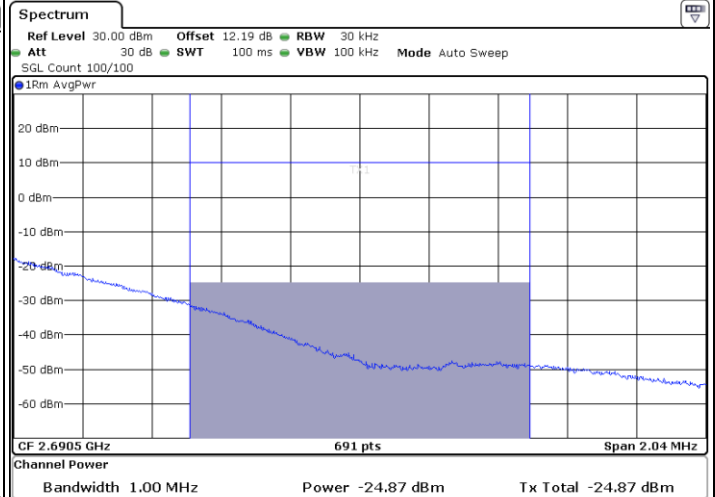
Date: 31.MAY.2022 00:16:22



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



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

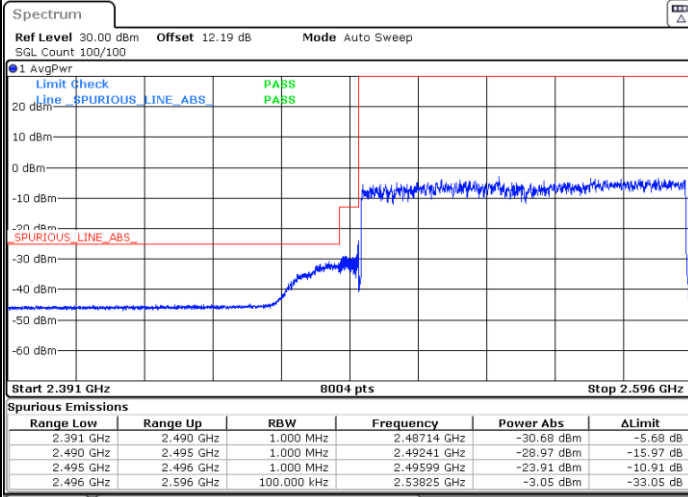


Date: 1.JUN.2022 02:37:10

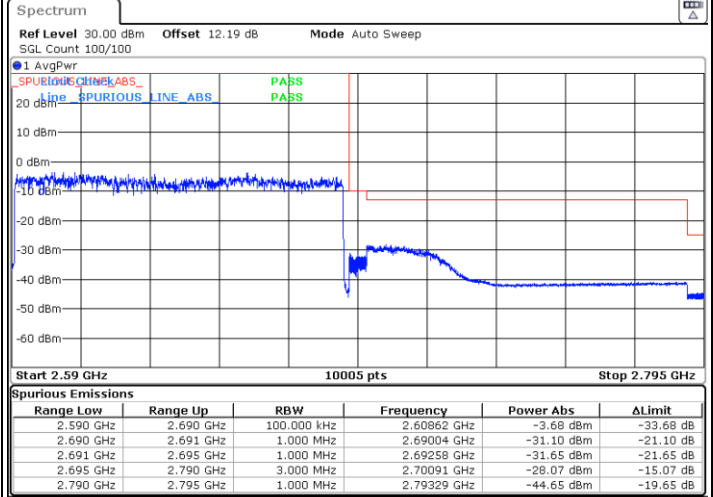


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.MAY.2022 00:16:45



Date: 31.MAY.2022 00:17:54