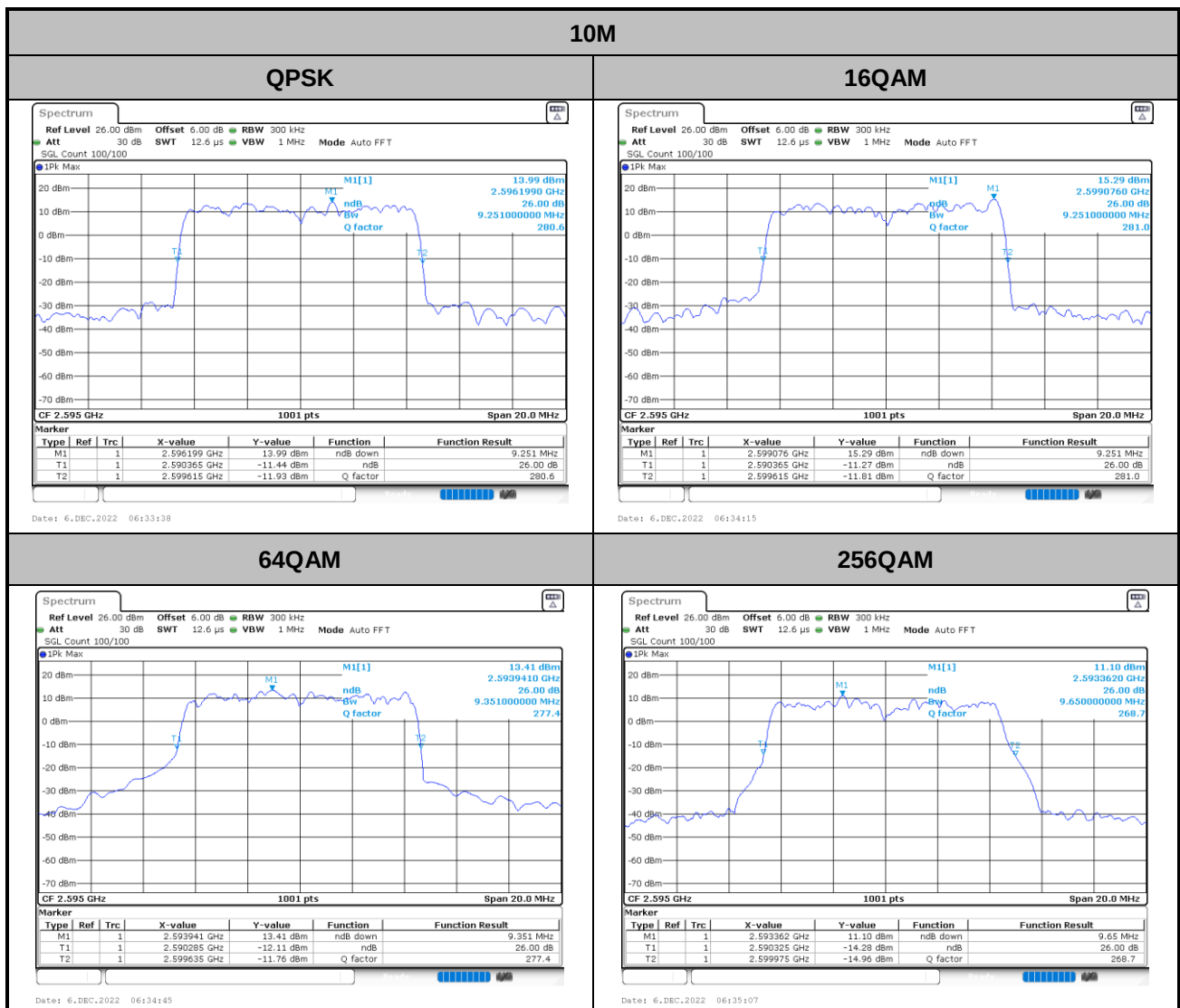


**26dB Bandwidth**

Mode	FR1 n38 : 26dB BW(MHz) / CP OFDM			
BW	10M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	9.25	9.25	9.35	9.65

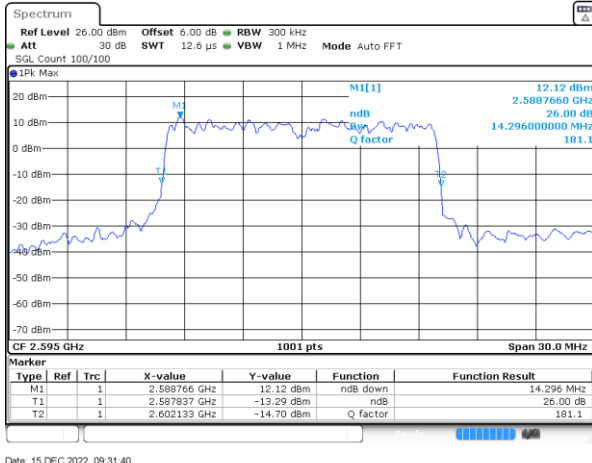
Mode	FR1 n38 : 26dB BW(MHz) / CP OFDM			
BW	15M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	14.30	14.81	14.42	14.87



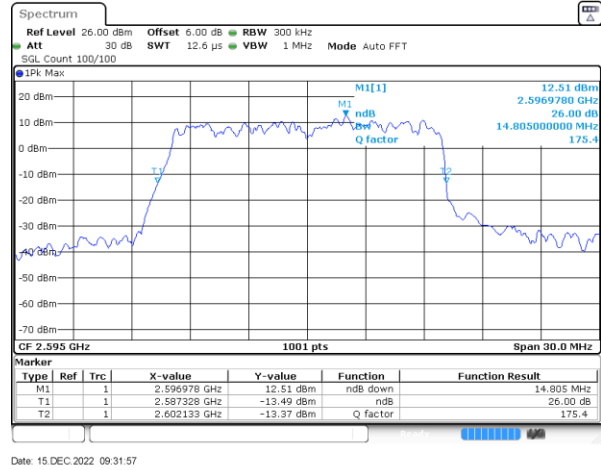


15M

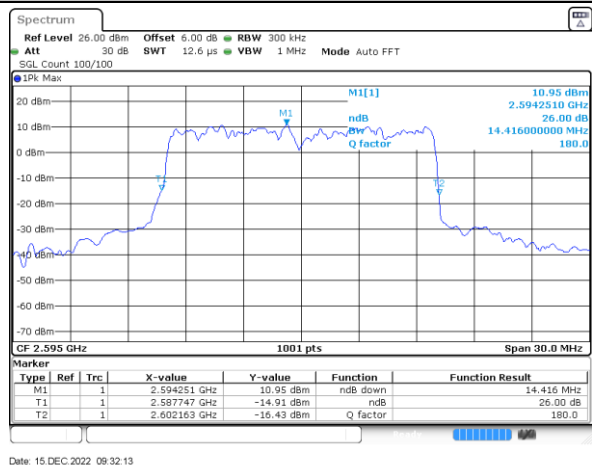
QPSK



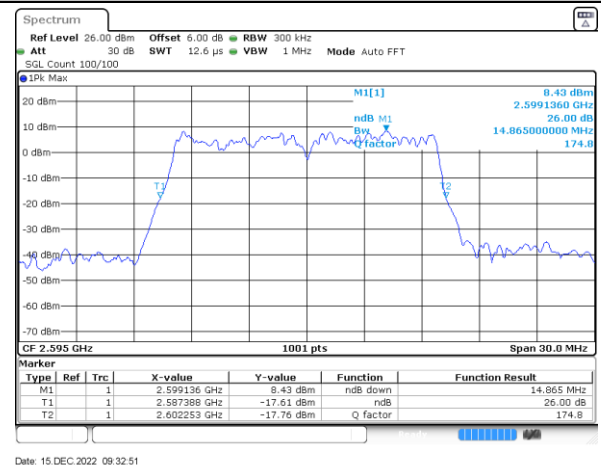
16QAM



64QAM



256QAM

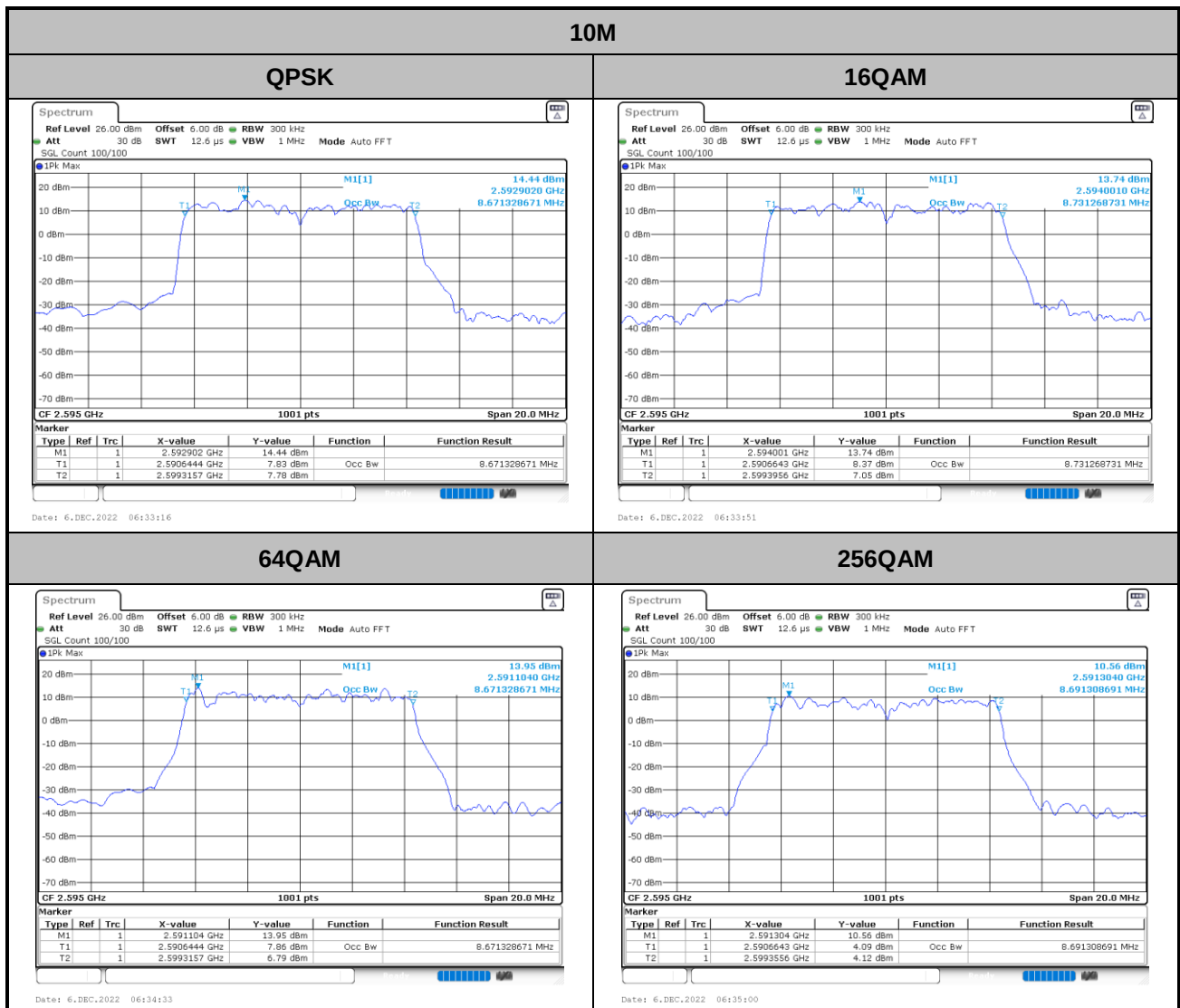




Occupied Bandwidth

Mode	FR1 n38: OB BW(MHz) / CP OFDM			
BW	10M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	8.67	8.73	8.67	8.69

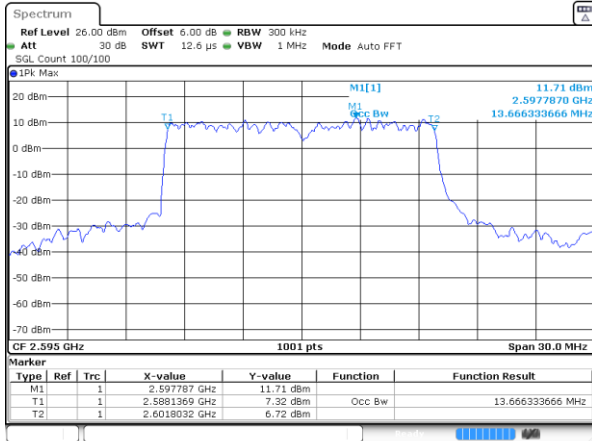
Mode	FR1 n38: OB BW(MHz) / CP OFDM			
BW	15M			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	13.67	13.67	13.61	13.46



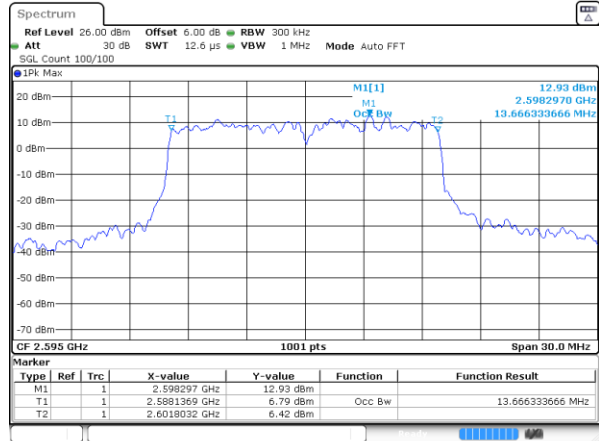


15M

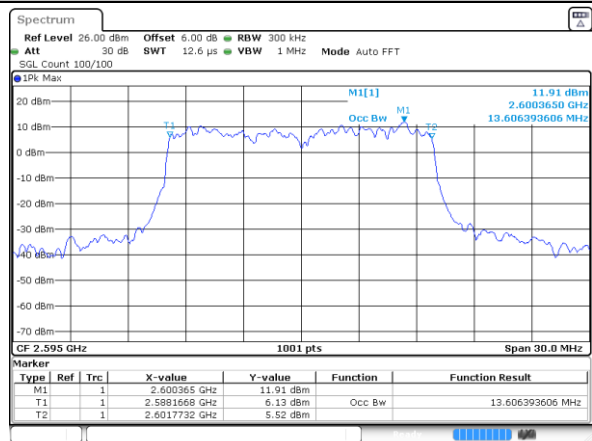
QPSK



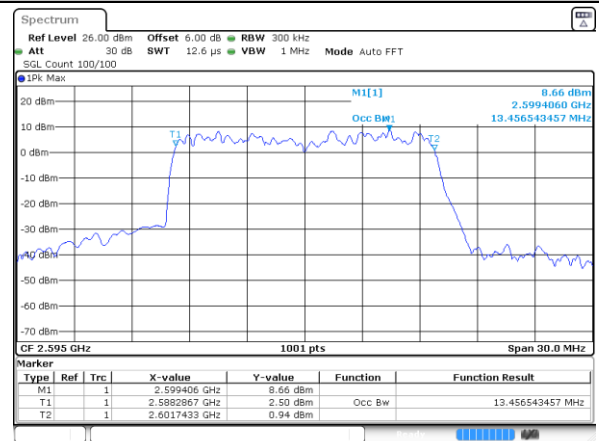
16QAM



64QAM



256QAM



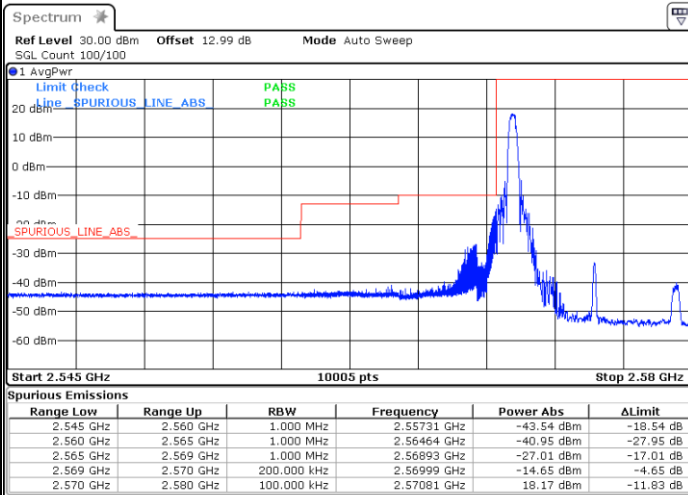
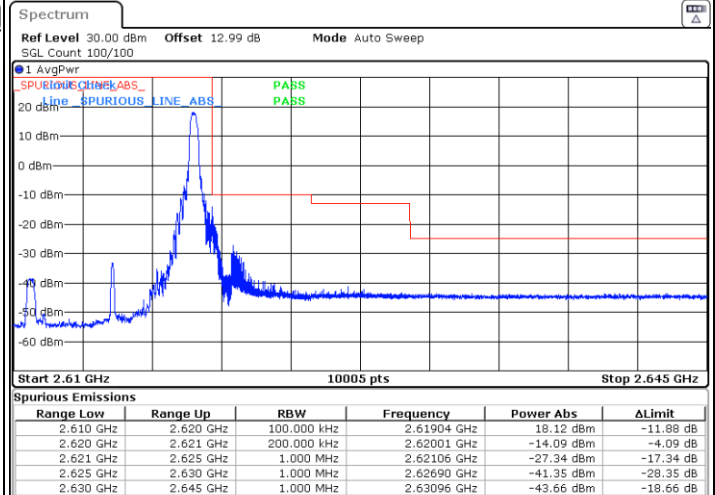


Conducted Band Edge

FR1 n38/ 10MHz / DFT-S OFDM / PI/2 BPSK

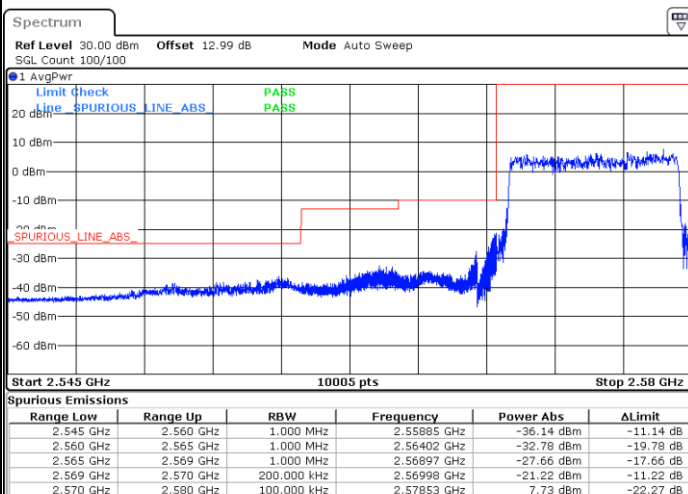
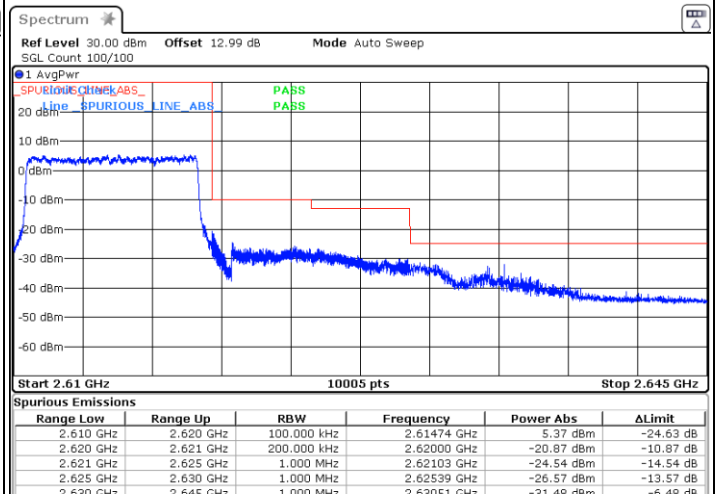
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

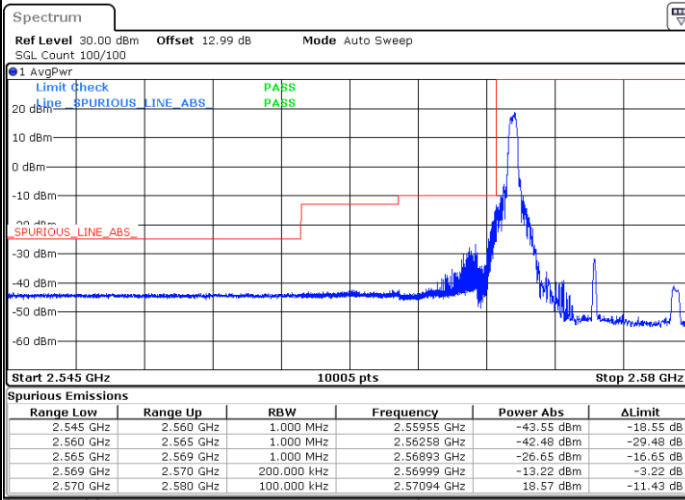
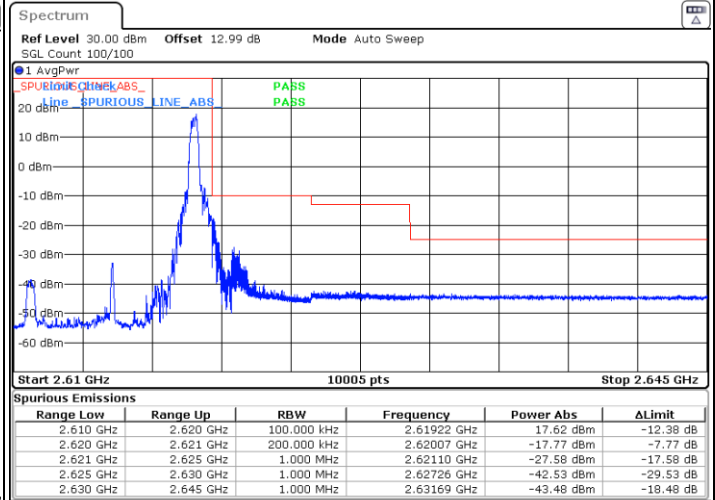




FR1 n38 / 10MHz / DFT-S OFDM / QPSK

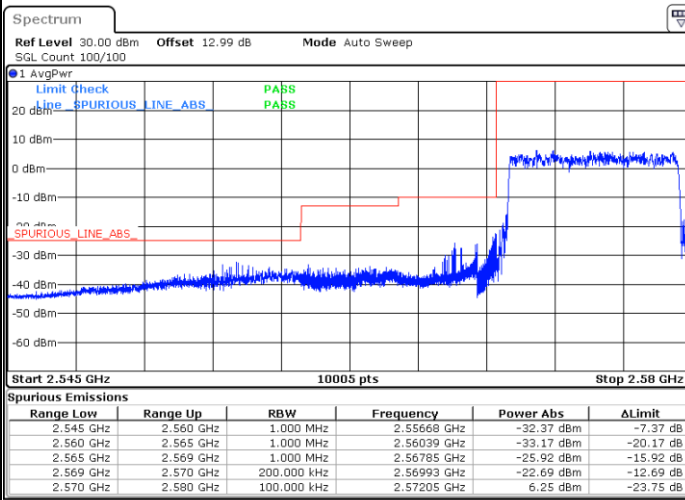
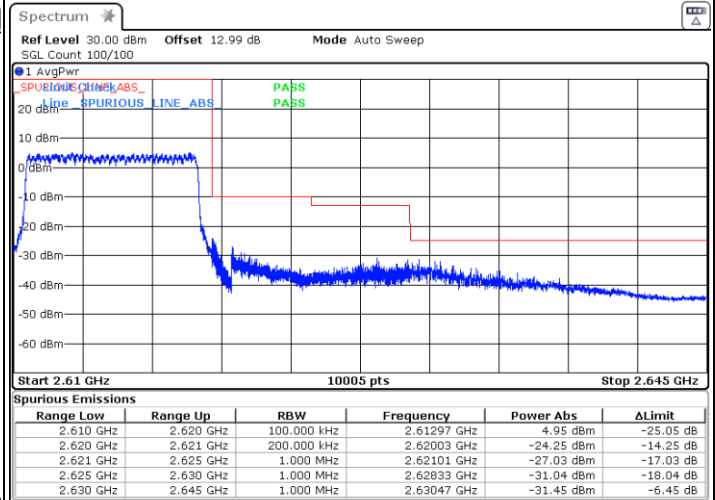
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

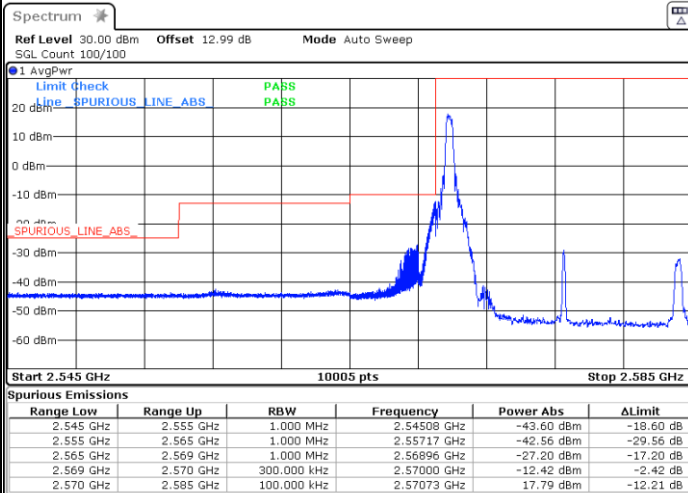




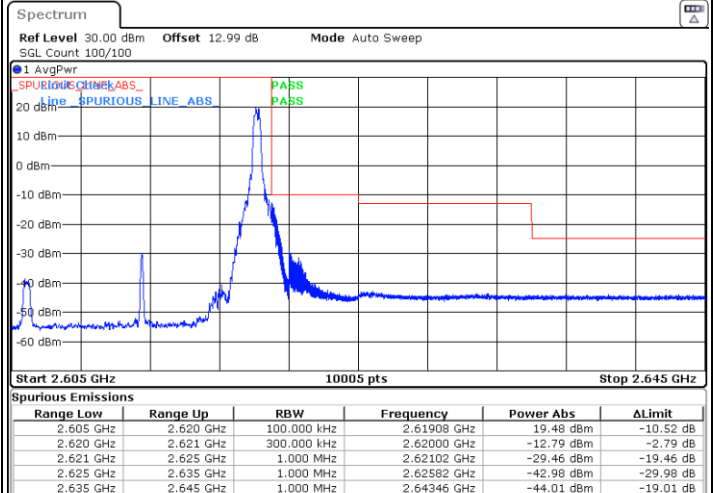
FR1 n38/ 15MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



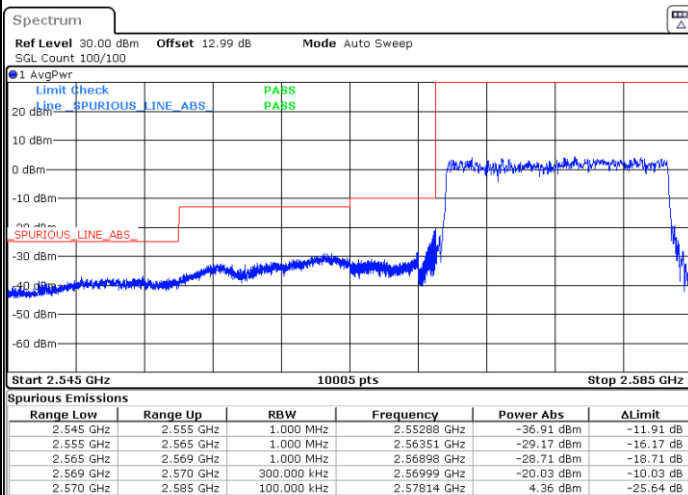
Date: 15.DEC.2022 23:01:04



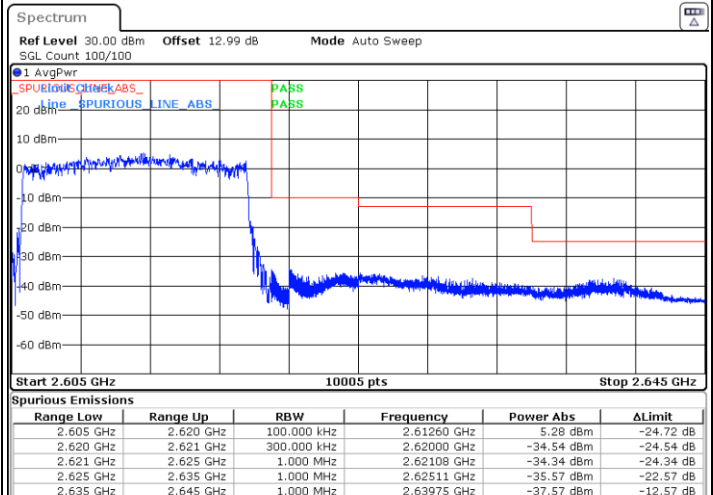
Date: 15.DEC.2022 23:03:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.DEC.2022 23:02:07



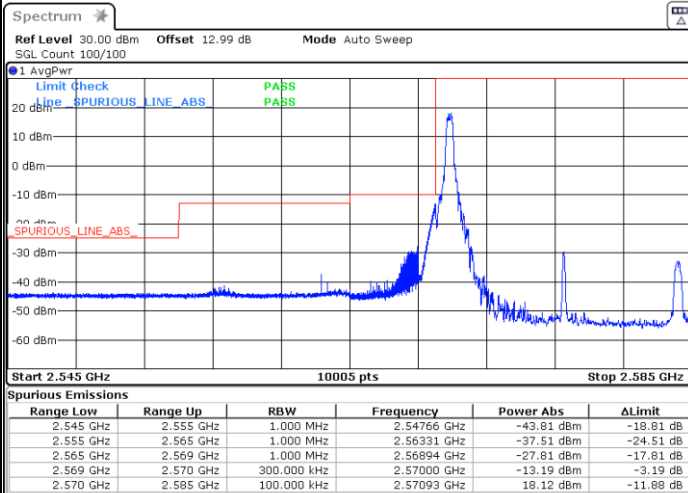
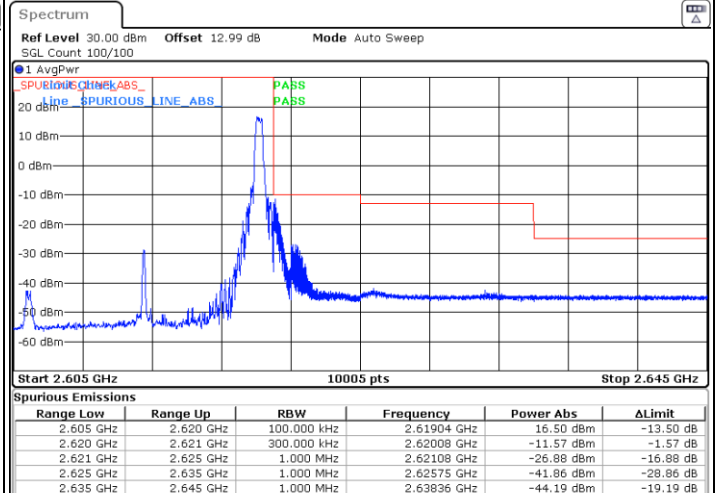
Date: 15.DEC.2022 23:03:21



FR1 n38 / 15MHz / DFT-S OFDM / QPSK

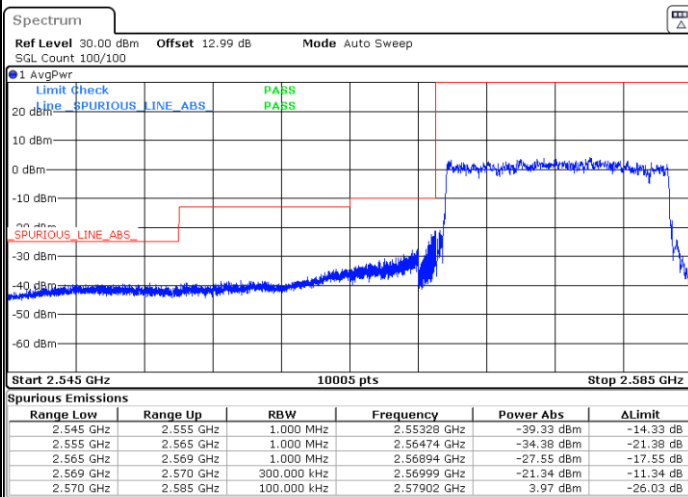
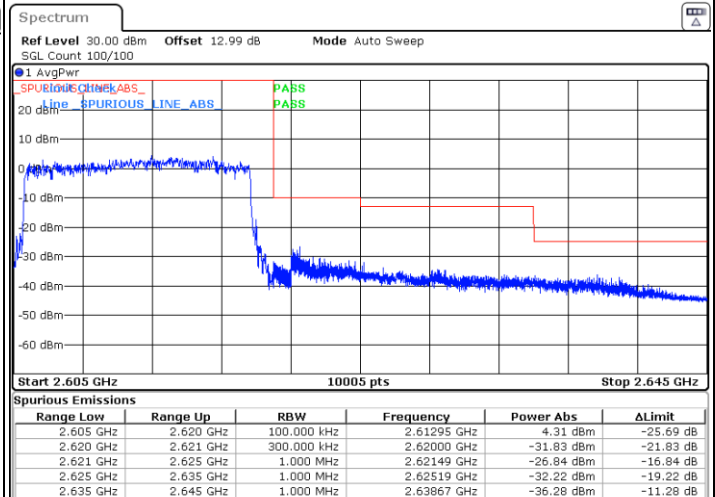
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

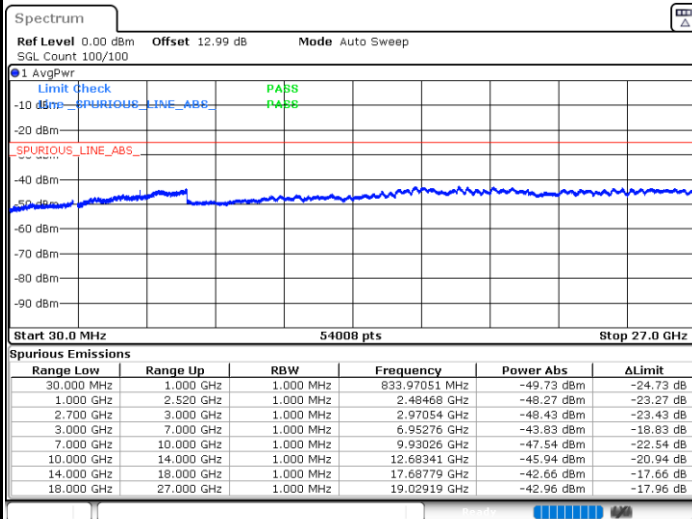




Conducted Spurious Emission

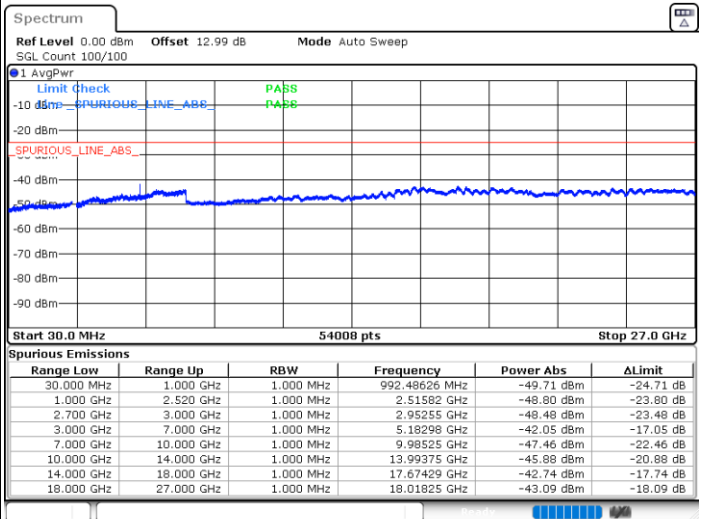
FR1 n38 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



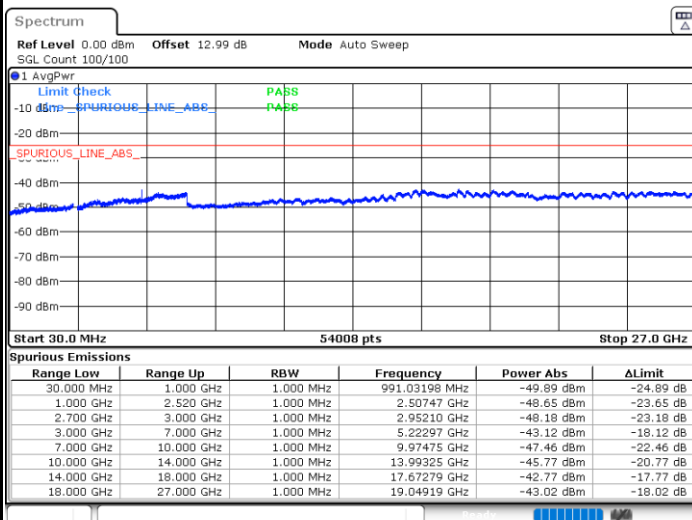
Date: 6.DEC.2022 06:27:28

Middle Channel / 1RB1



Date: 6.DEC.2022 06:32:30

Highest Channel / 1RB1

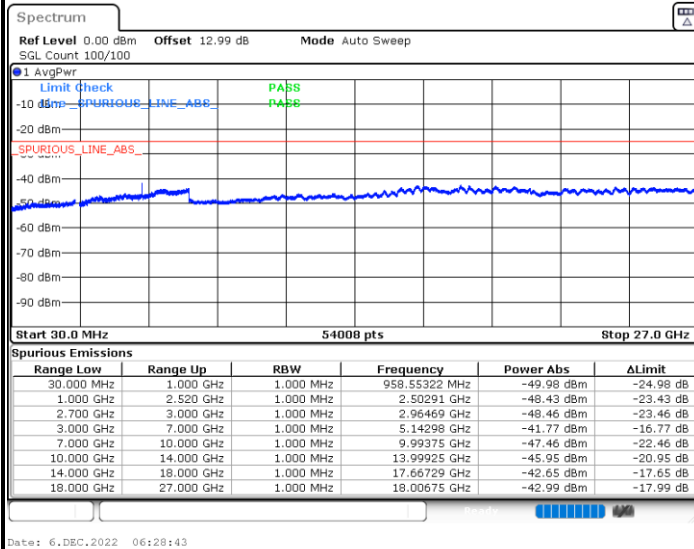


Date: 6.DEC.2022 06:52:50

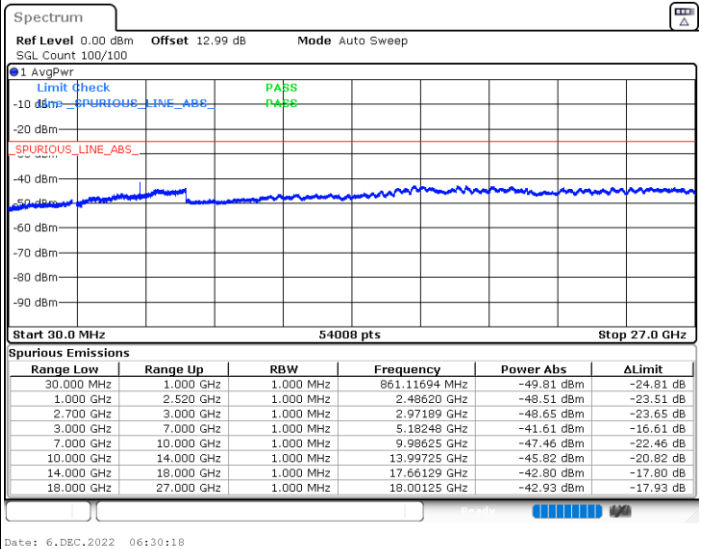


FR1 n38 / 10MHz / DFT-S OFDM / QPSK

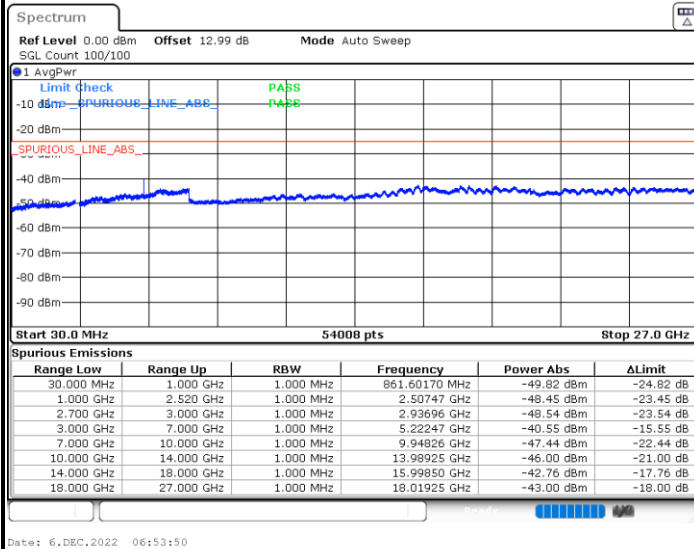
Lowest Channel / 1RB1



Middle Channel / 1RB1



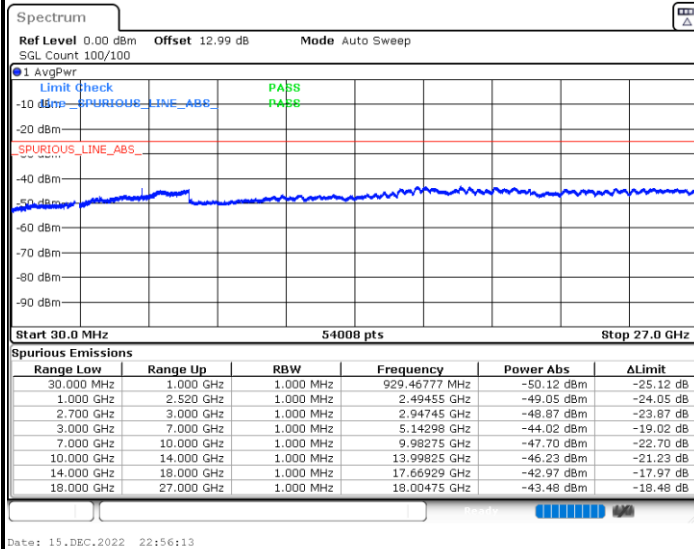
Highest Channel / 1RB1



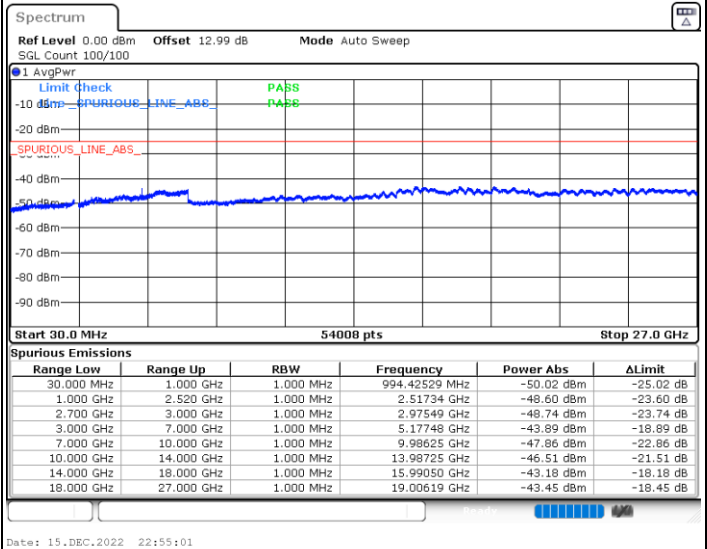


FR1 n38 / 15MHz / DFT-S OFDM / BPSK

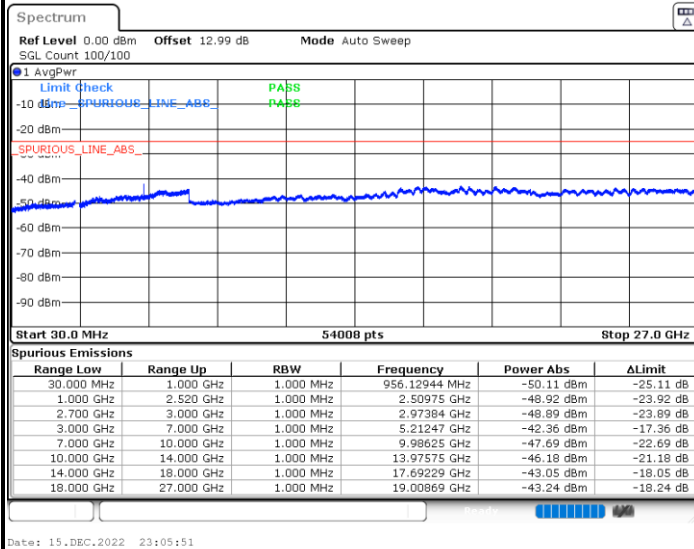
Lowest Channel / 1RB1



Middle Channel / 1RB1



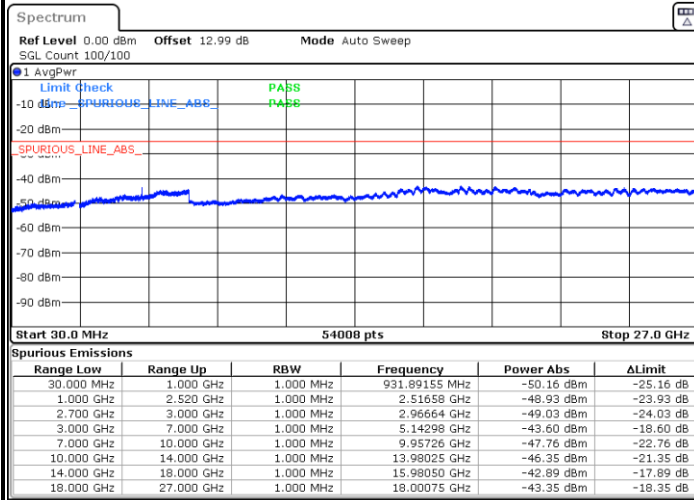
Highest Channel / 1RB1





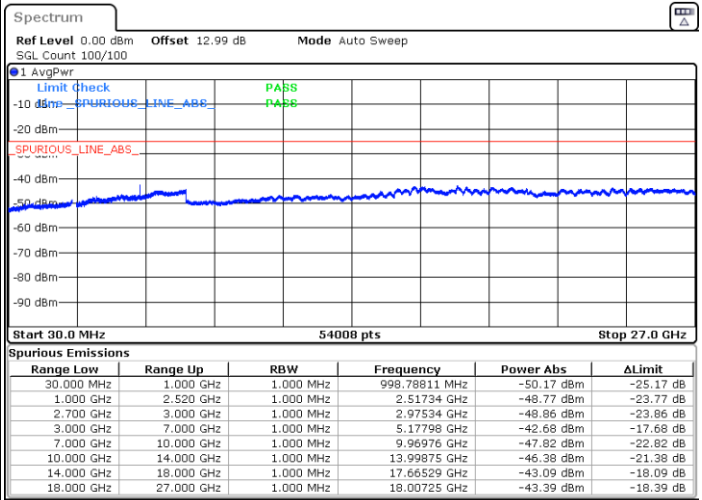
FR1 n38 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



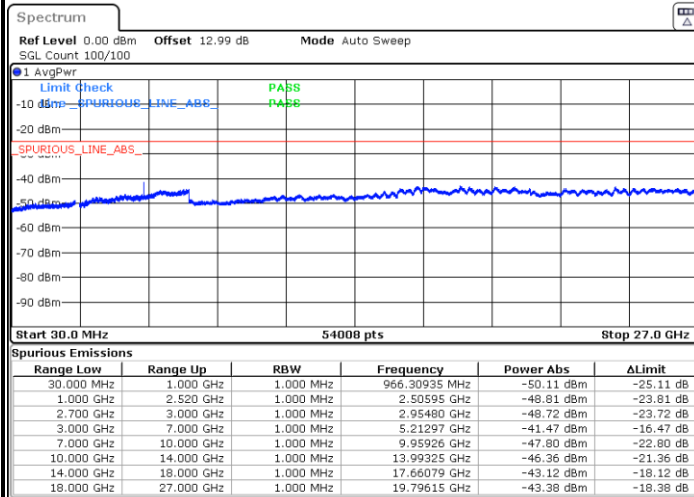
Date: 15.DEC.2022 22:57:08

Middle Channel / 1RB1



Date: 15.DEC.2022 22:52:34

Highest Channel / 1RB1



Date: 15.DEC.2022 23:04:55

Frequency Stability

Test Conditions		FR1 n38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	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:

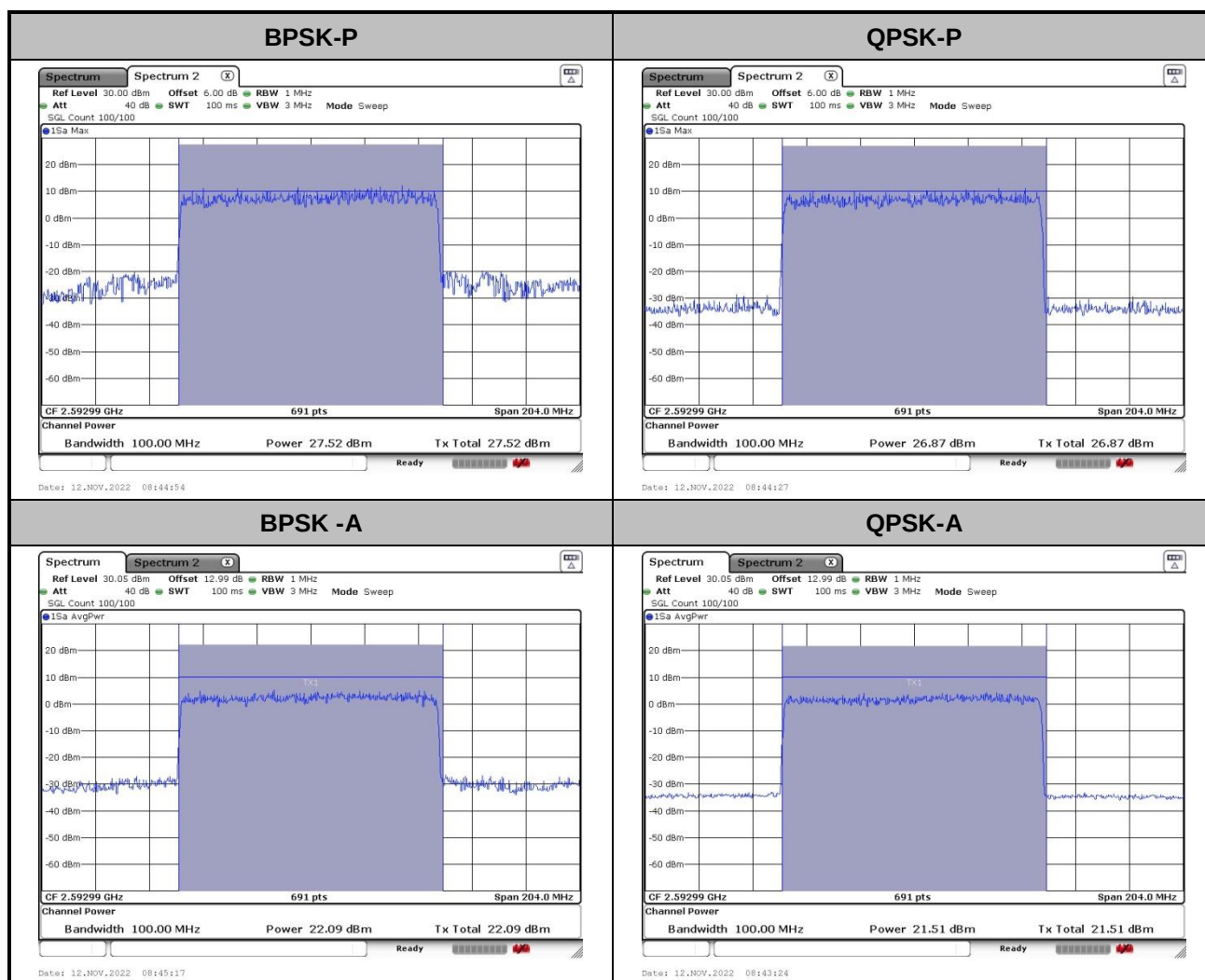
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n41

Peak-to-Average Ratio

Mode	FR1 n41 / 100MHz / DFT-S OFDM					
Mod.	100M					Limit: 13dB
RB Size	BPSK	QPSK				Result
Middle CH	5.43	5.36				PASS



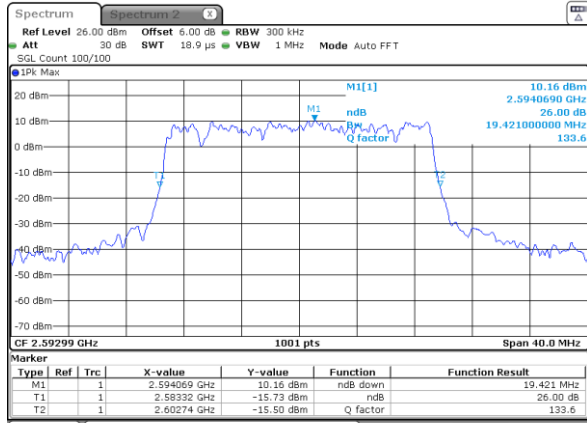
26dB Bandwidth

Mode	FR1 n41 : 26dB BW(20 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	19.42	19.18	19.46	19.10
Mode	FR1 n41 : 26dB BW(30 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	28.85	29.33	29.25	29.33
Mode	FR1 n41 : 26dB BW(40 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	40.36	40.20	40.20	40.20
Mode	FR1 n41 : 26dB BW(50 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	49.85	49.65	49.65	49.75
Mode	FR1 n41 : 26dB BW(60 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	60.54	60.30	60.30	60.42
Mode	FR1 n41 : 26dB BW(70 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	70.01	70.17	70.17	70.17
Mode	FR1 n41 : 26dB BW(80 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	79.92	79.92	79.92	79.92
Mode	FR1 n41 : 26dB BW(90 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	92.07	92.25	92.43	92.43
Mode	FR1 n41 : 26dB BW(100 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	102.10	102.30	102.50	102.30

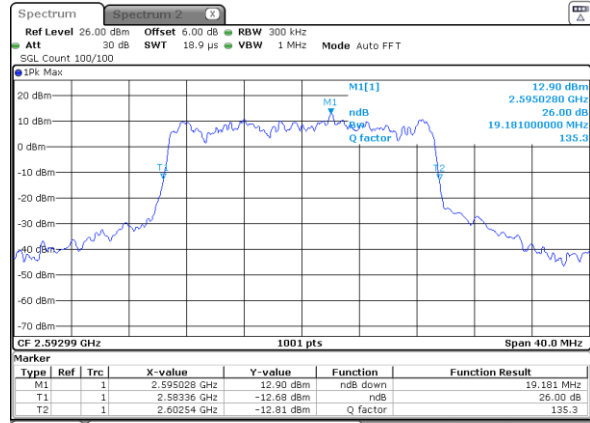


20MHz CP

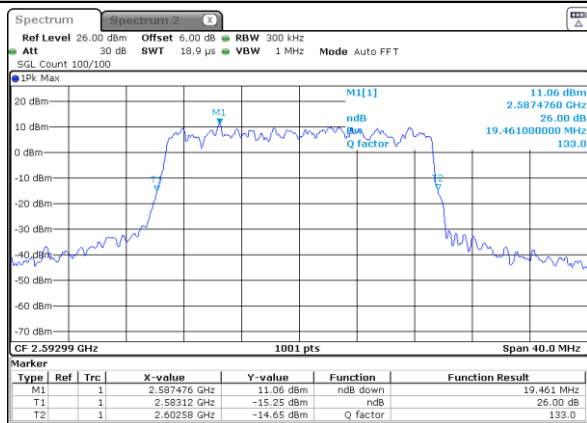
QPSK



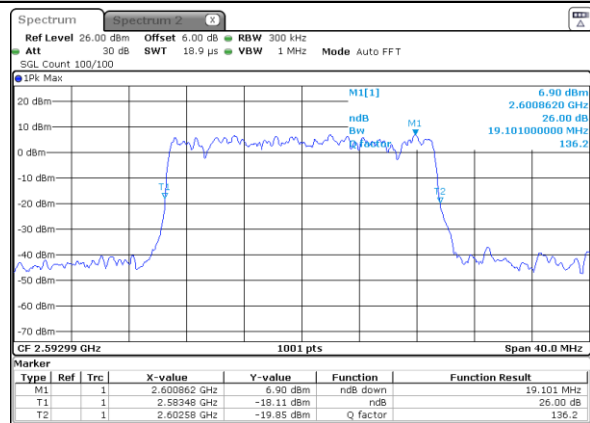
16QAM



64QAM

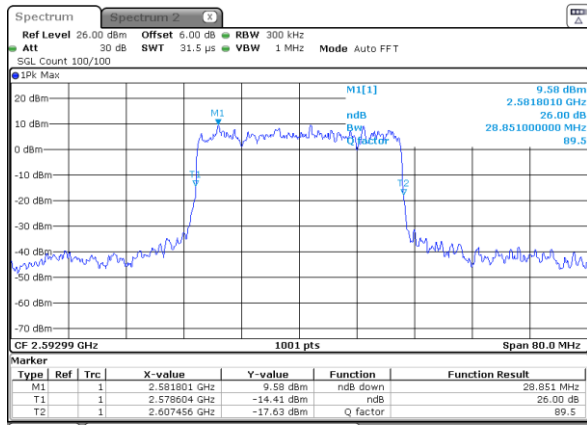


256QAM

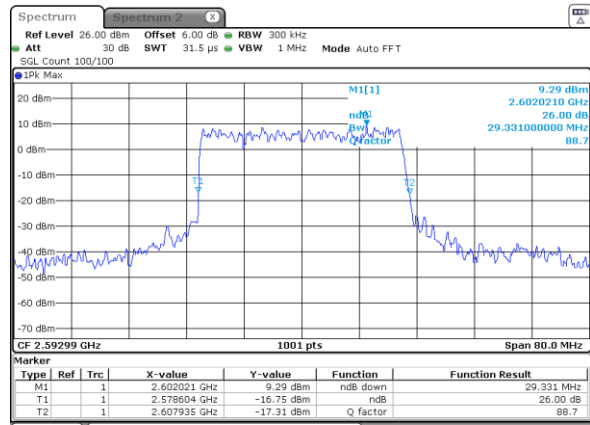


30MHz CP

QPSK

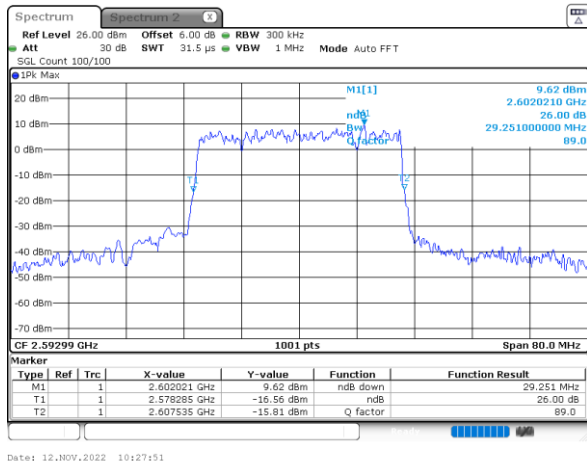


16QAM

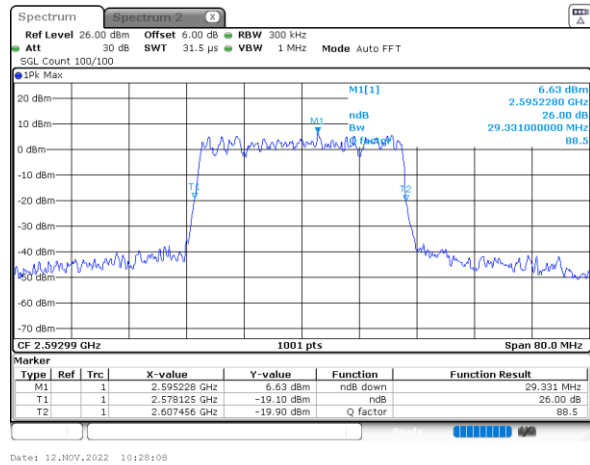




64QAM

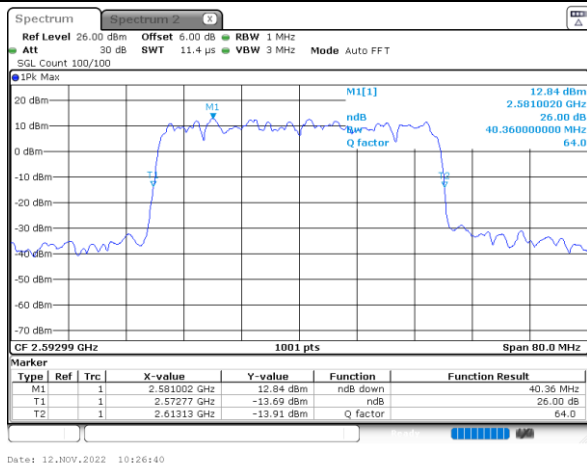


256QAM

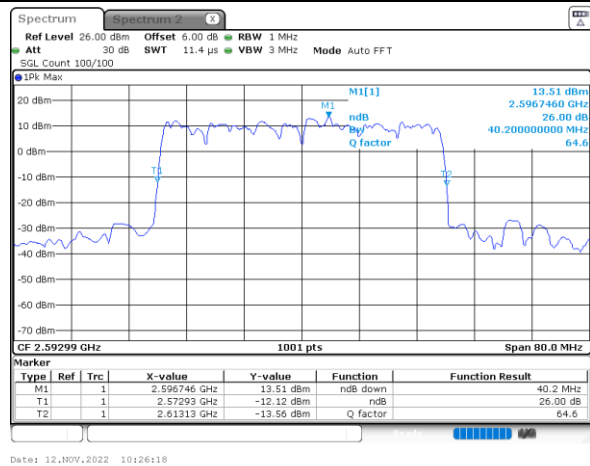


40MHz CP

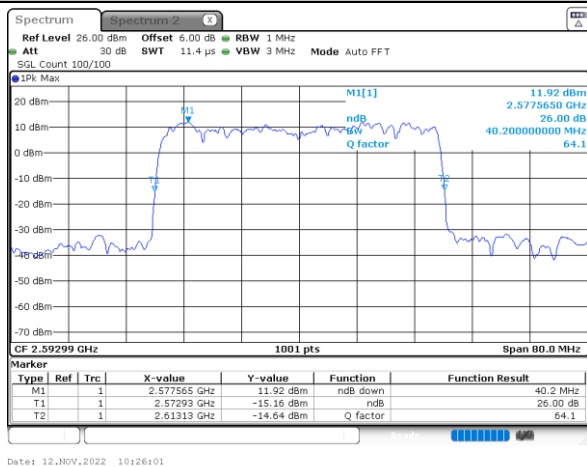
QPSK



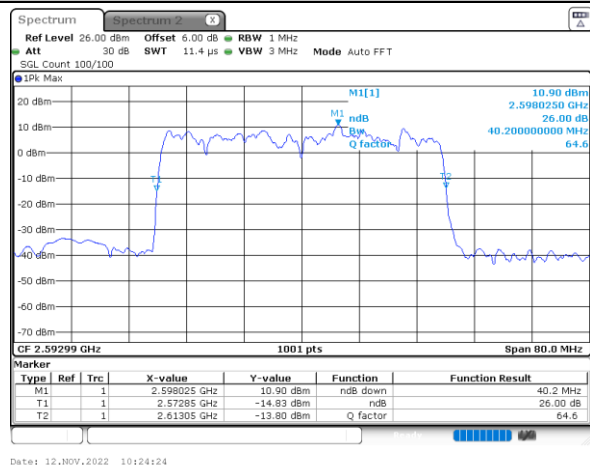
16QAM



64QAM



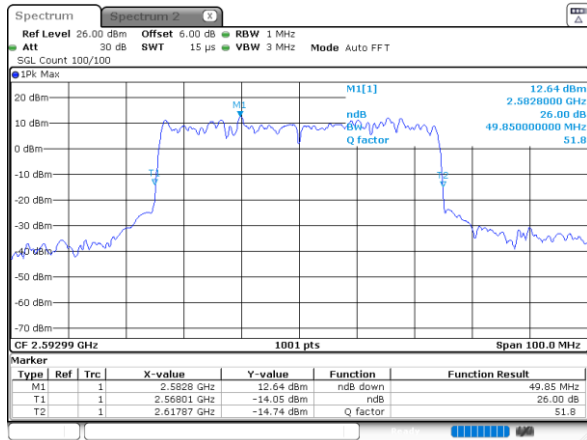
256QAM



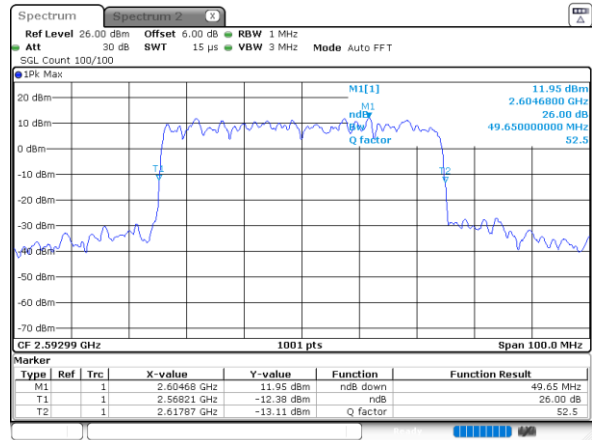


50MHz CP

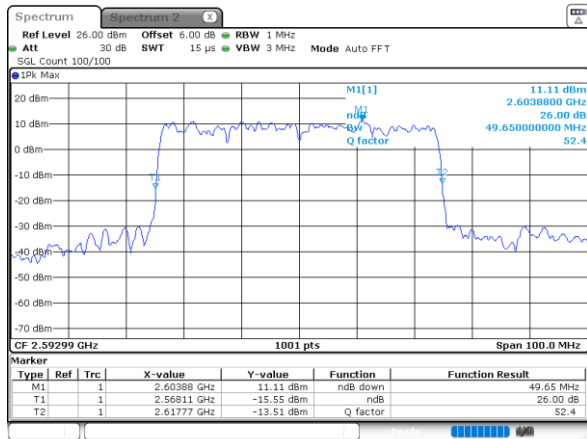
QPSK



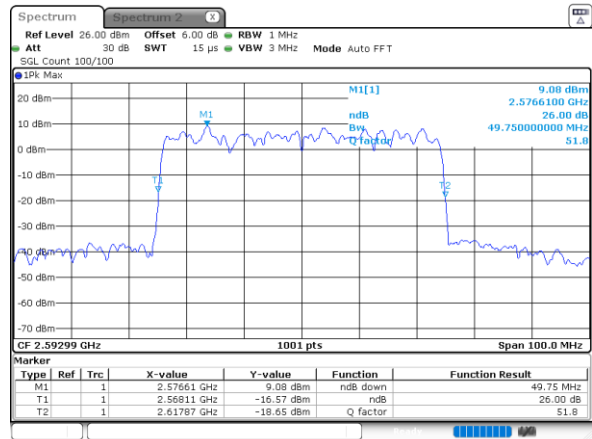
16QAM



64QAM

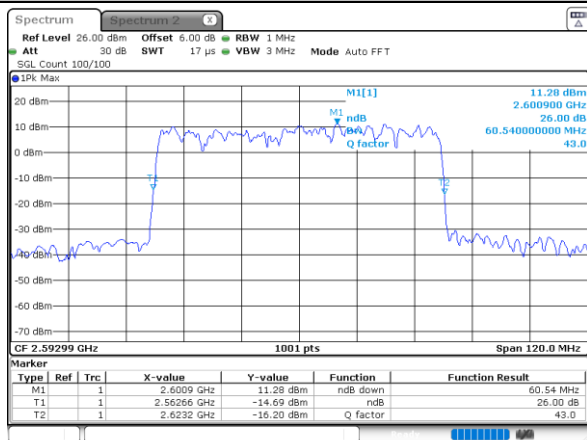


256QAM

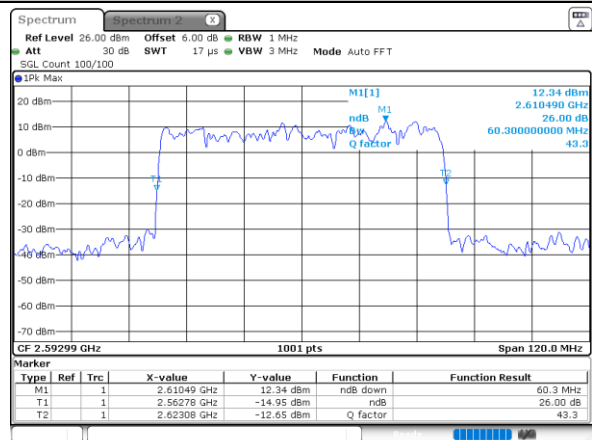


60MHz CP

QPSK

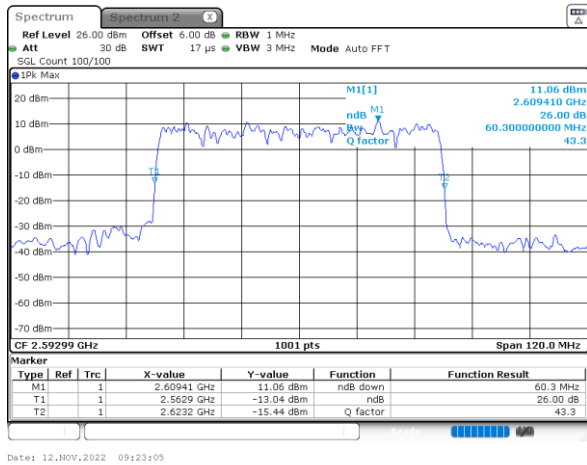


16QAM

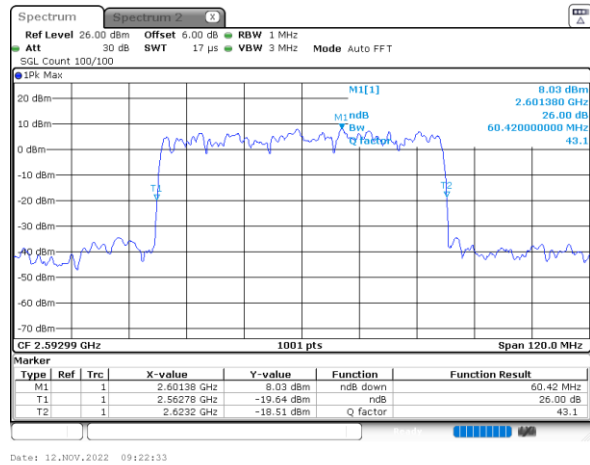




64QAM

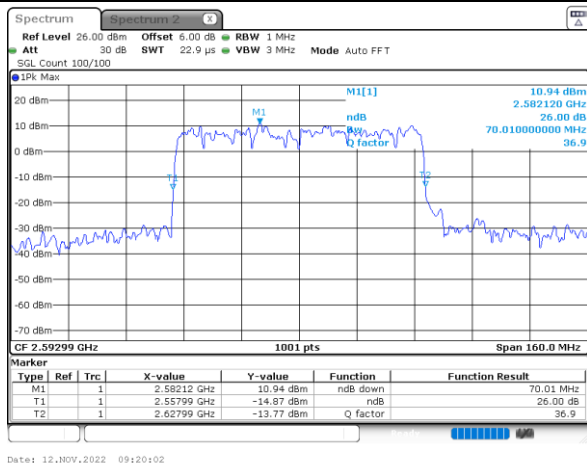


256QAM

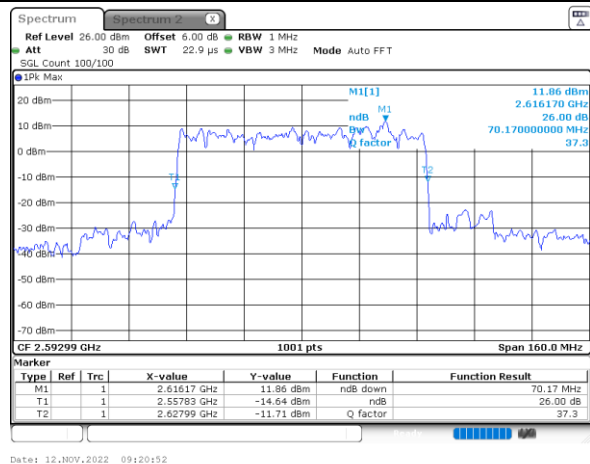


70MHz CP

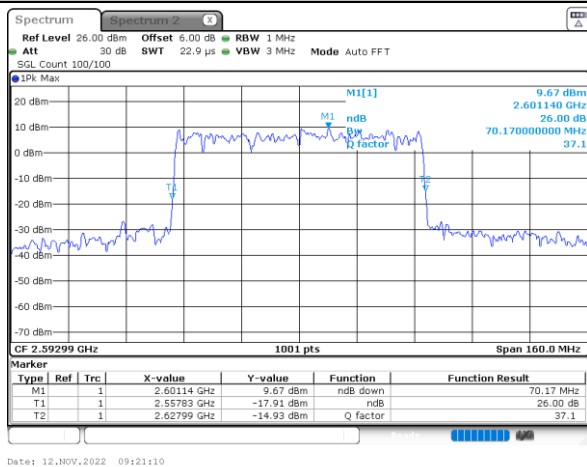
QPSK



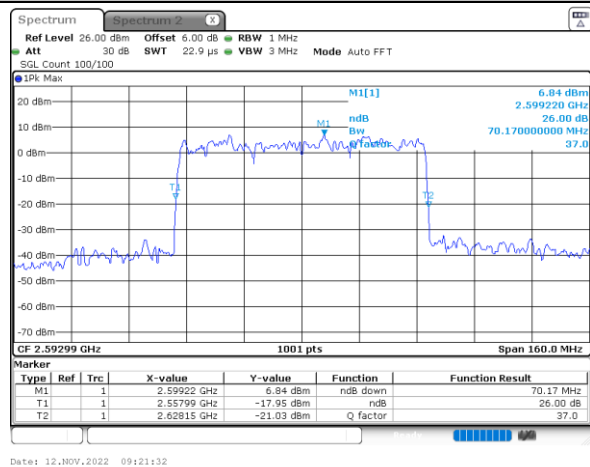
16QAM



64QAM



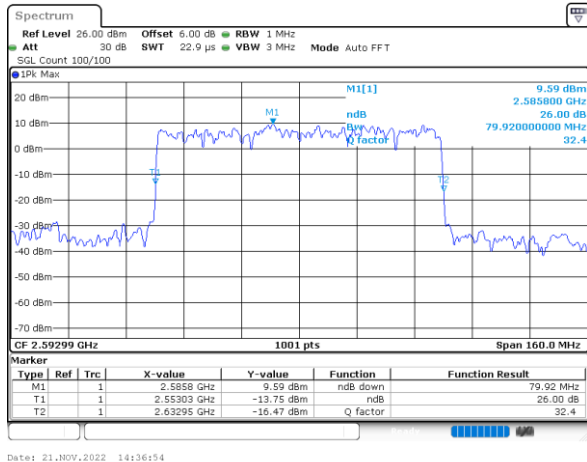
256QAM



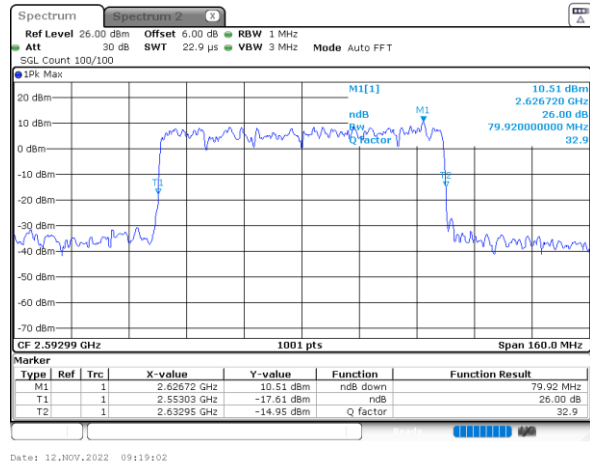


80MHz CP

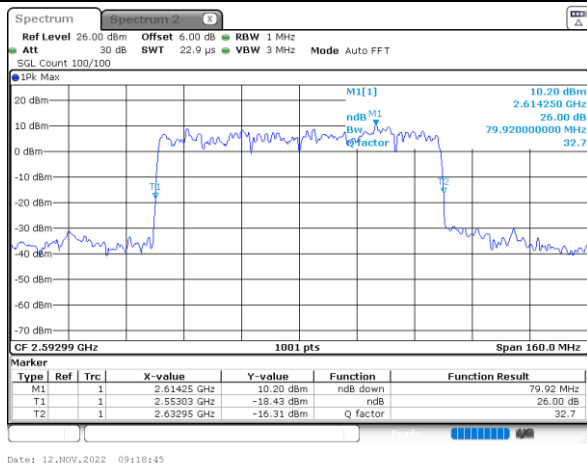
QPSK



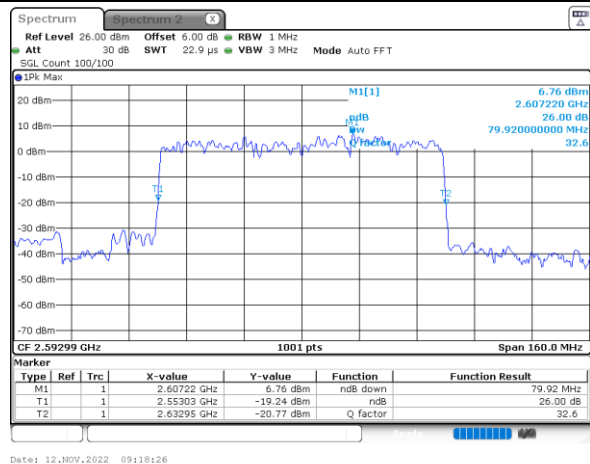
16QAM



64QAM

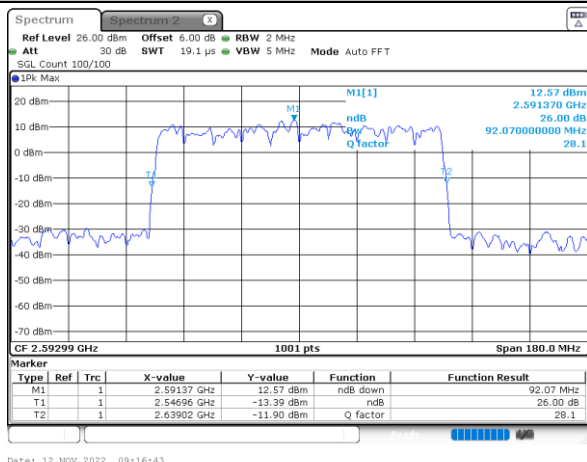


256QAM

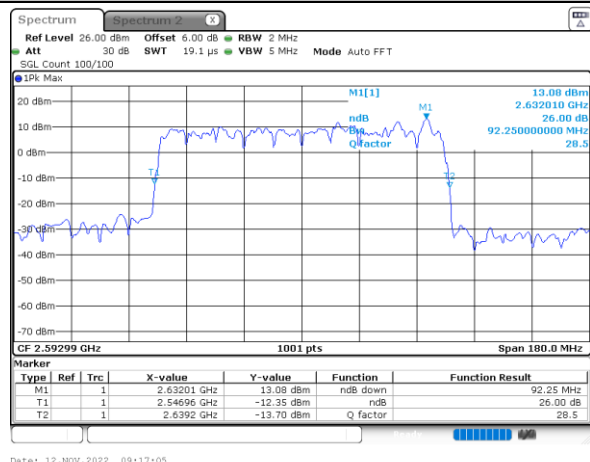


90MHz CP

QPSK

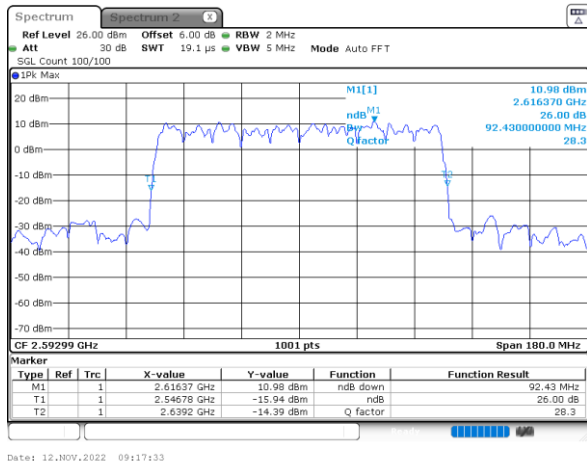


16QAM

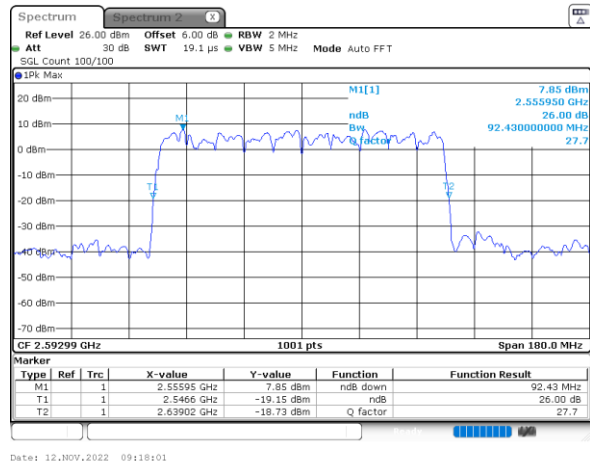




64QAM

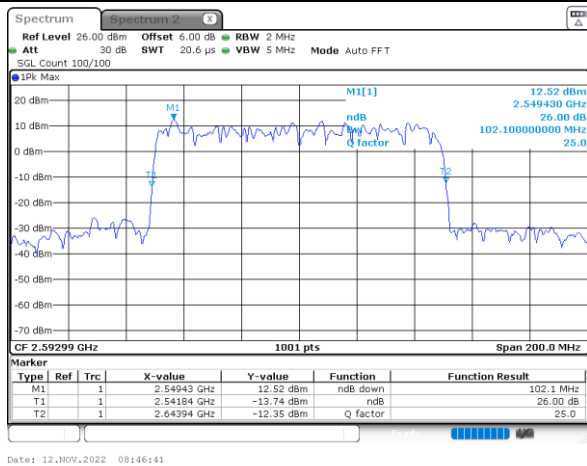


256QAM

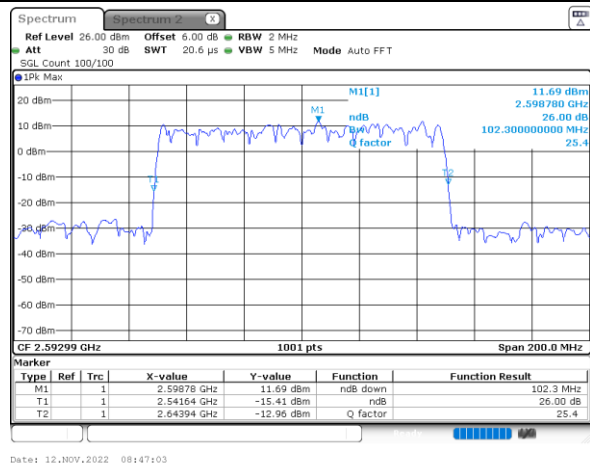


100MHz CP

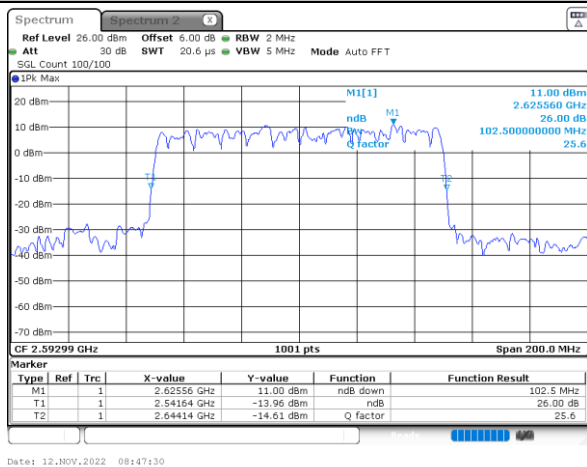
QPSK



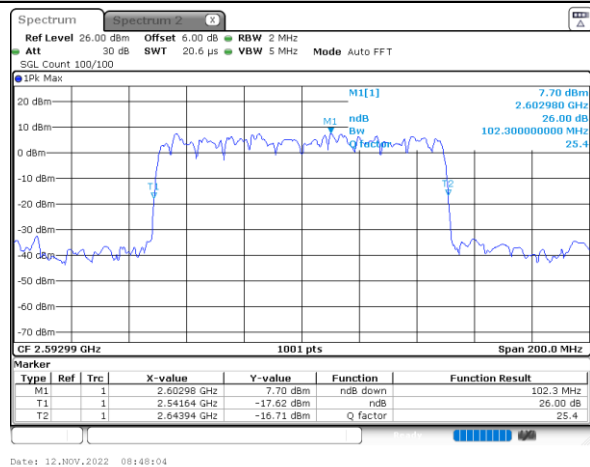
16QAM



64QAM



256QAM



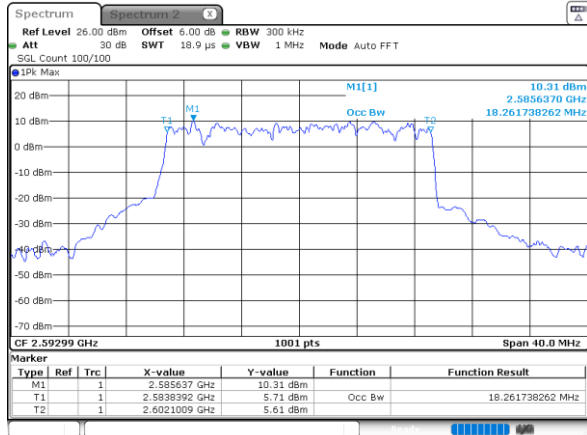
Occupied Bandwidth

Mode	FR1 n41 : OB BW(20 MHz) / DFT-S OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	18.26	18.26	18.22	18.18
Mode	FR1 n41 : OB BW(30 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	27.81	27.89	27.89	27.97
Mode	FR1 n41 : OB BW(40 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	37.88	37.72	37.96	38.12
Mode	FR1 n41 : OB BW(50 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	47.75	47.45	47.55	47.75
Mode	FR1 n41 : OB BW(60 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	57.90	57.66	58.02	57.90
Mode	FR1 n41 : OB BW(70 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	67.29	67.13	67.61	67.45
Mode	FR1 n41 : OB BW(80 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	77.04	77.36	77.20	77.36
Mode	FR1 n41 : OB BW(90 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	87.39	87.21	87.21	87.93
Mode	FR1 n41 : OB BW(100 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	96.70	97.90	97.50	97.90

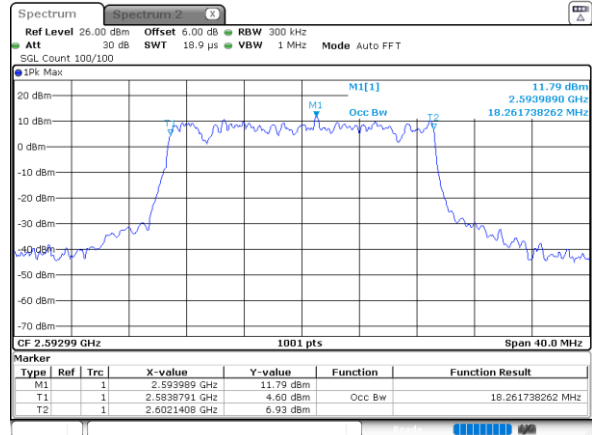


20MHz CP

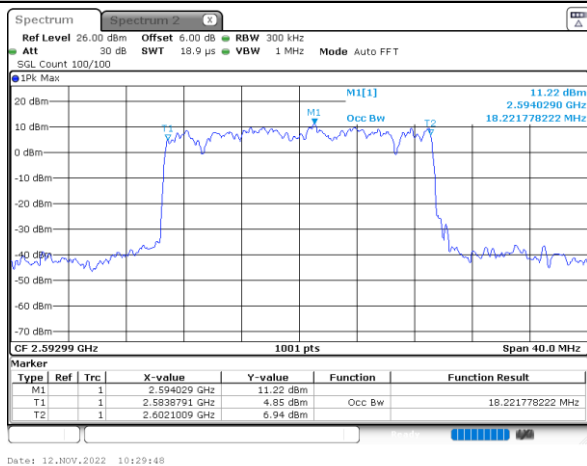
QPSK



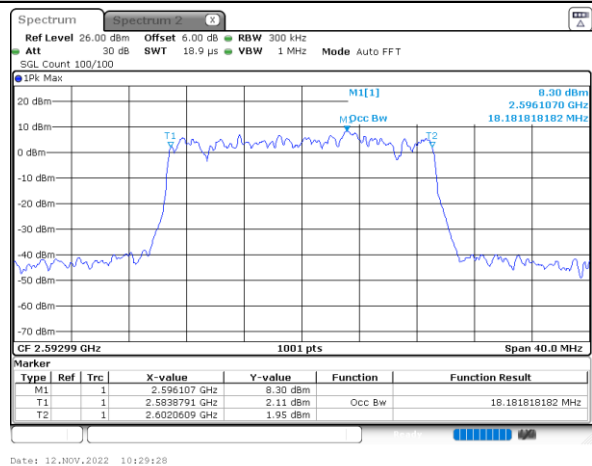
16QAM



64QAM

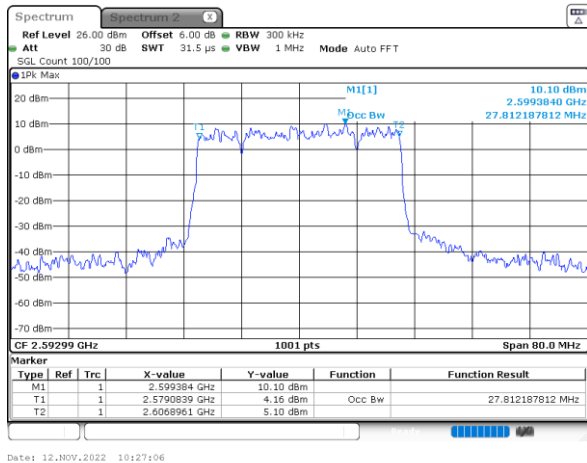


256QAM

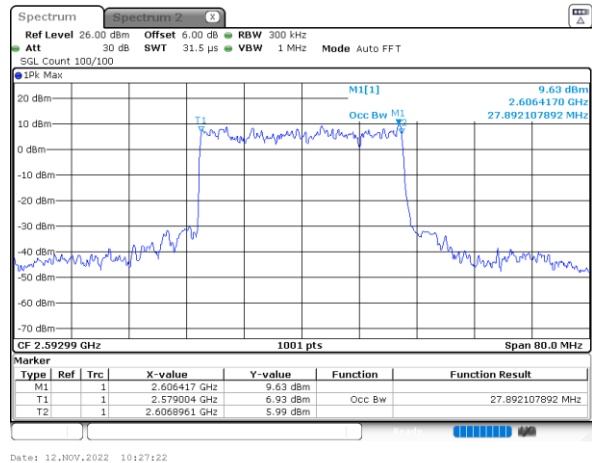


30MHz CP

QPSK

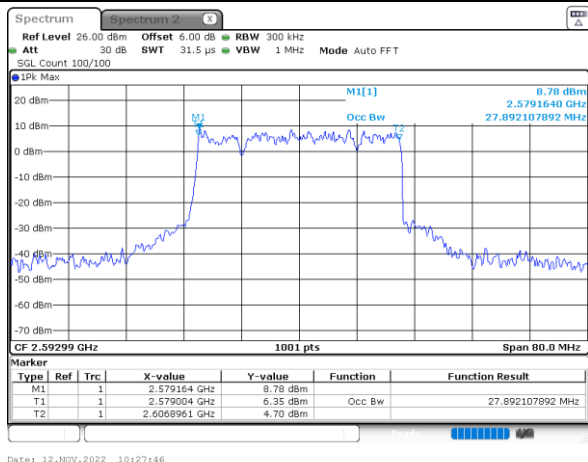


16QAM

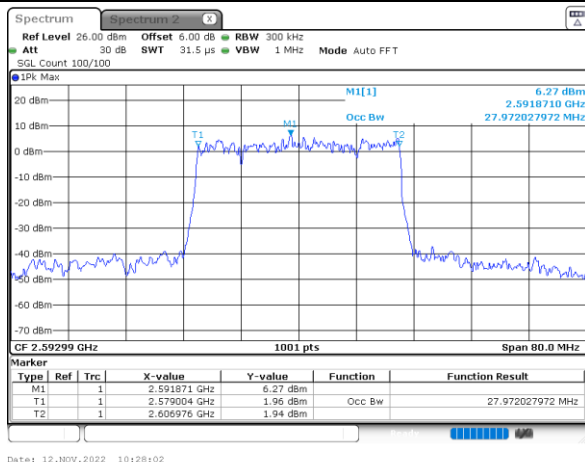




64QAM

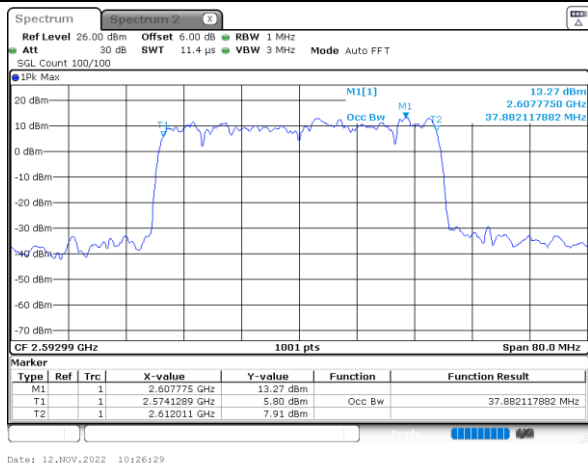


256QAM

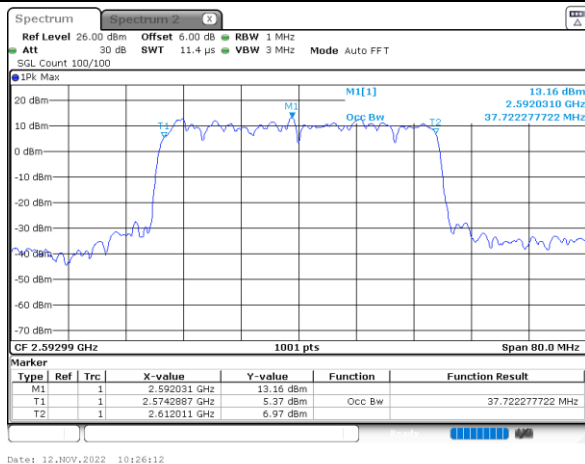


40MHz CP

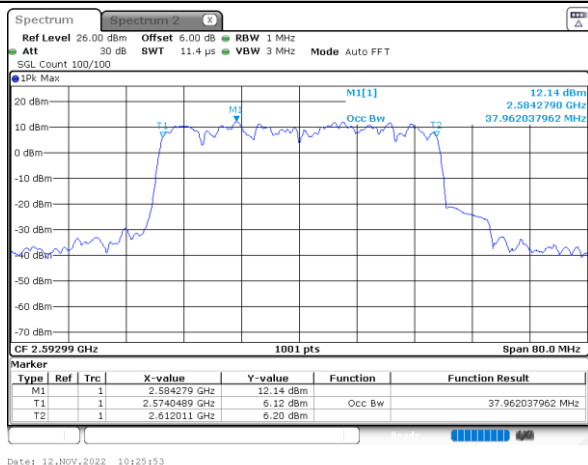
QPSK



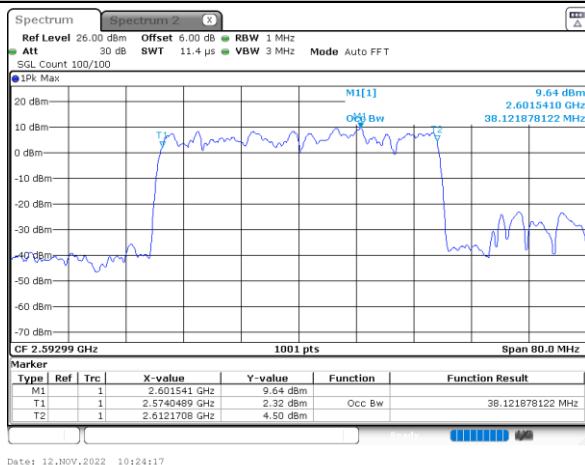
16QAM



64QAM



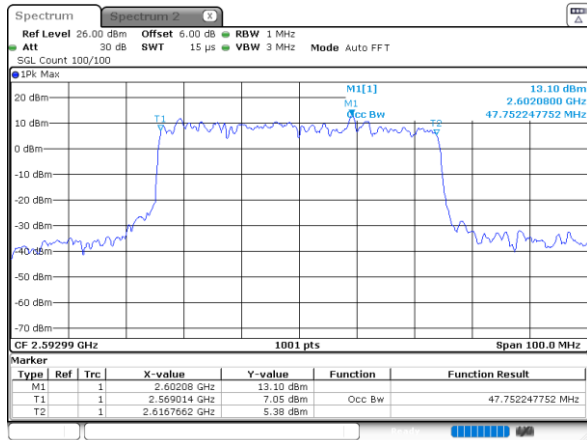
256QAM



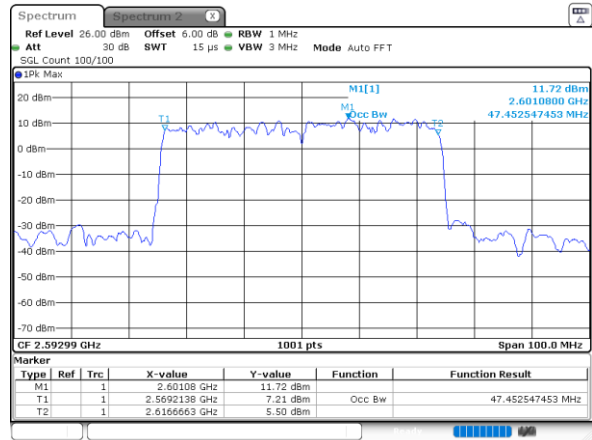


50MHz CP

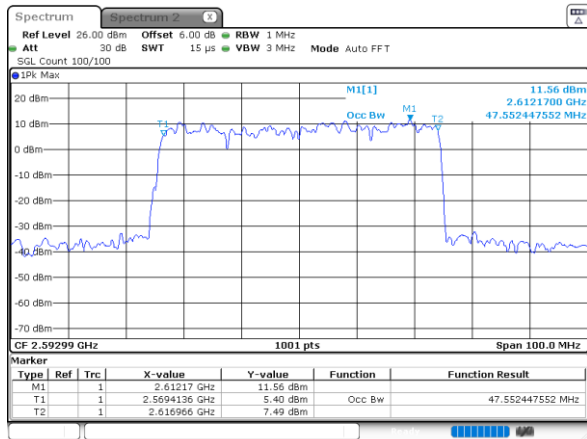
QPSK



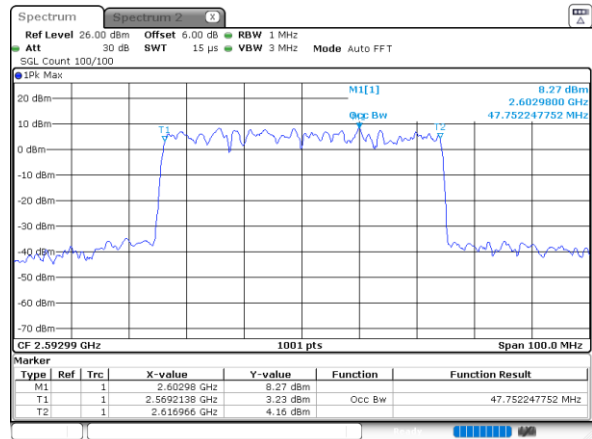
16QAM



64QAM

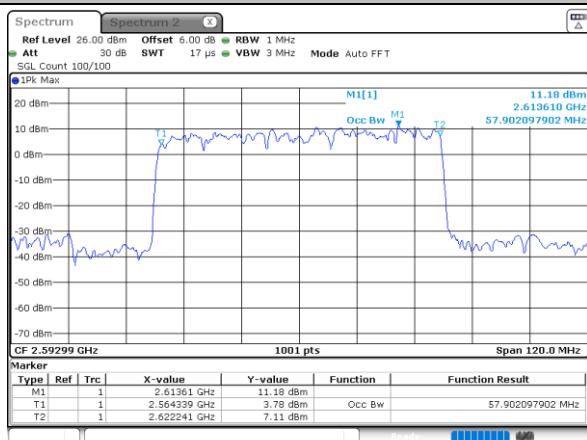


256QAM

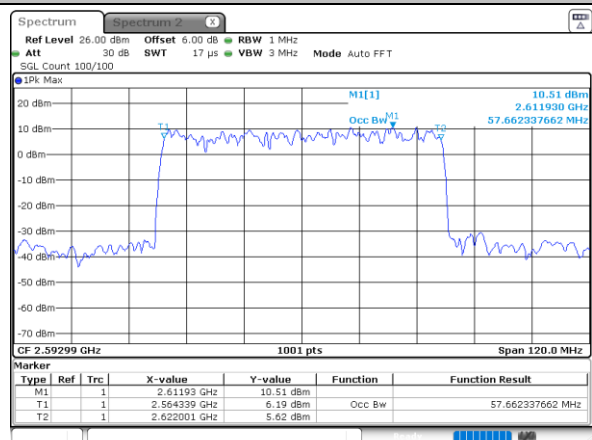


60MHz CP

QPSK

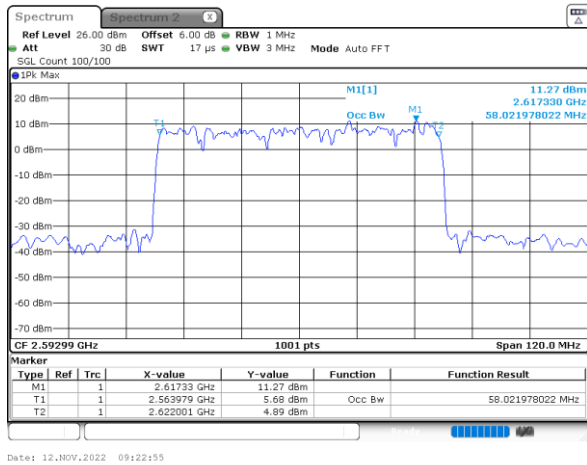


16QAM

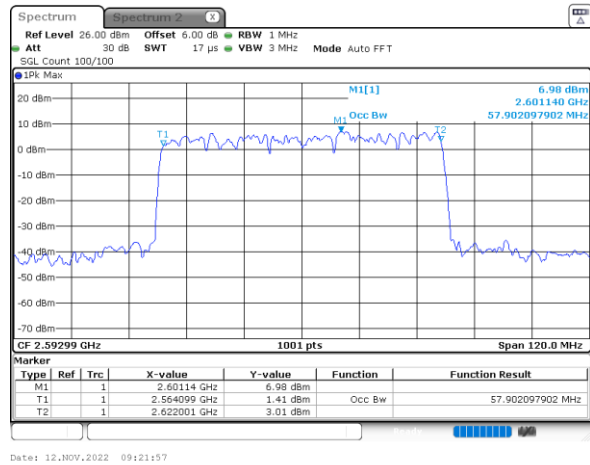




64QAM

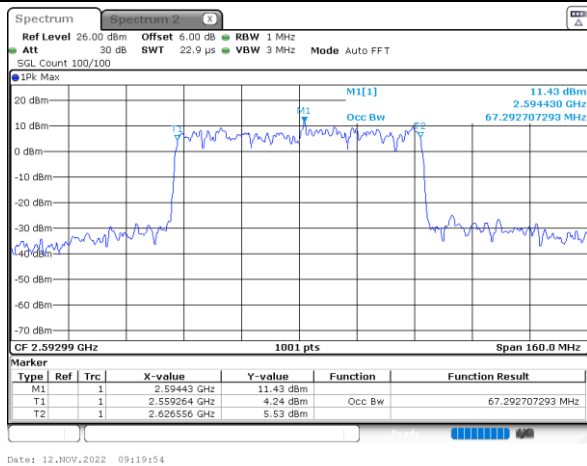


256QAM

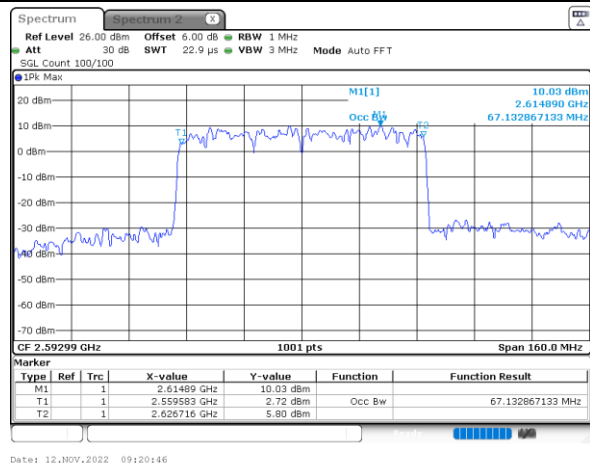


70MHz CP

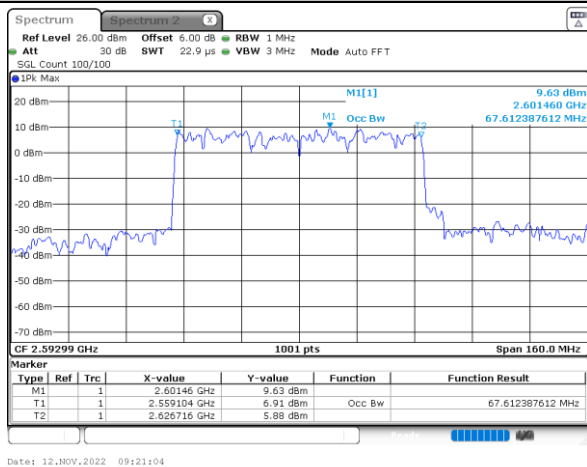
QPSK



16QAM



64QAM



256QAM

