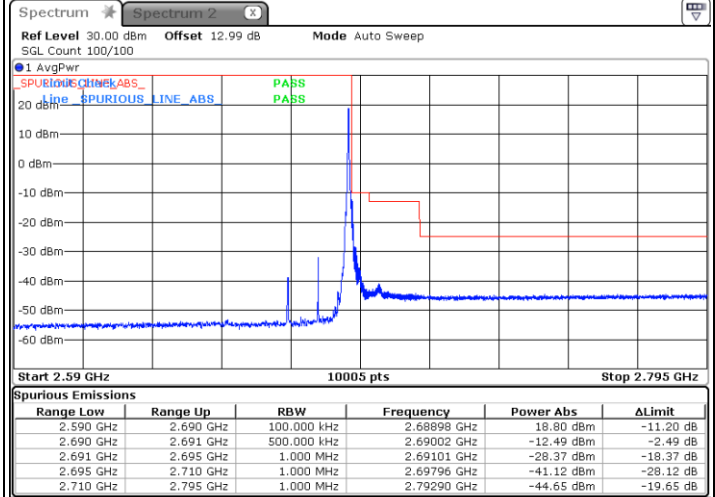
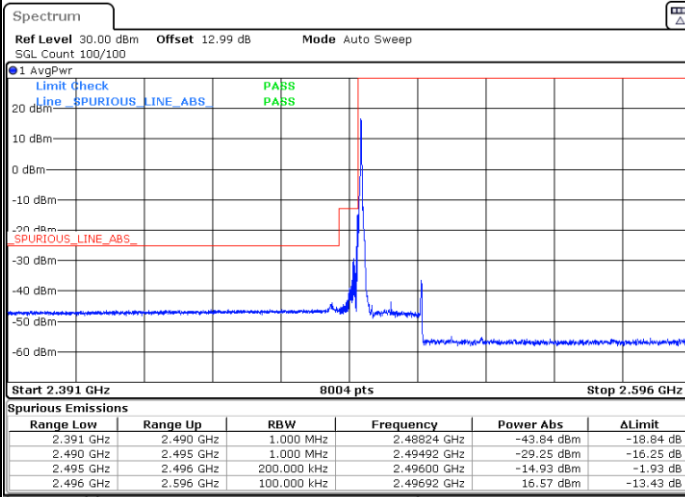




FR1 n41 / 20MHz / DFT OFDM / QPSK

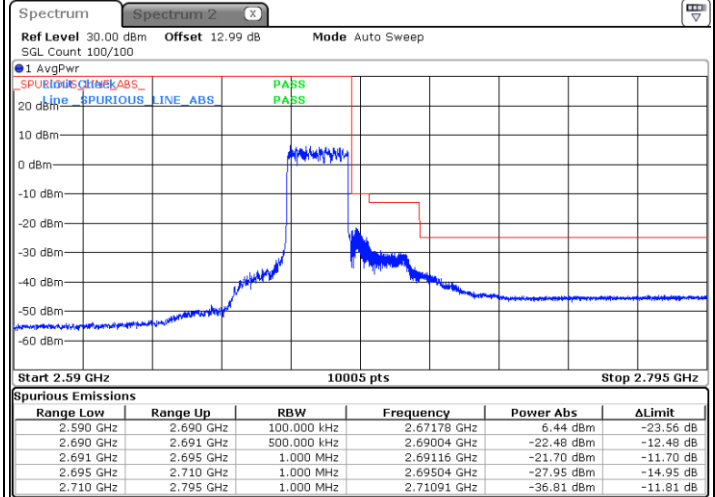
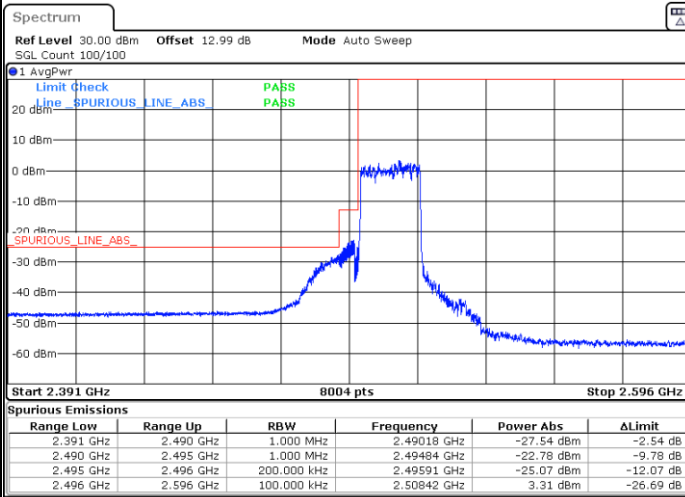
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

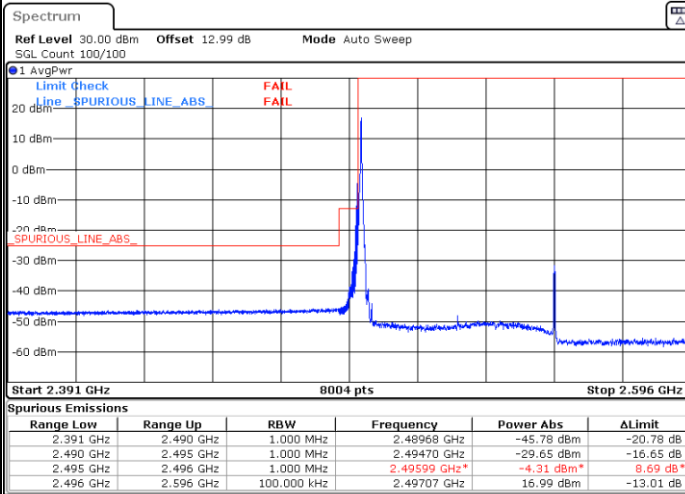




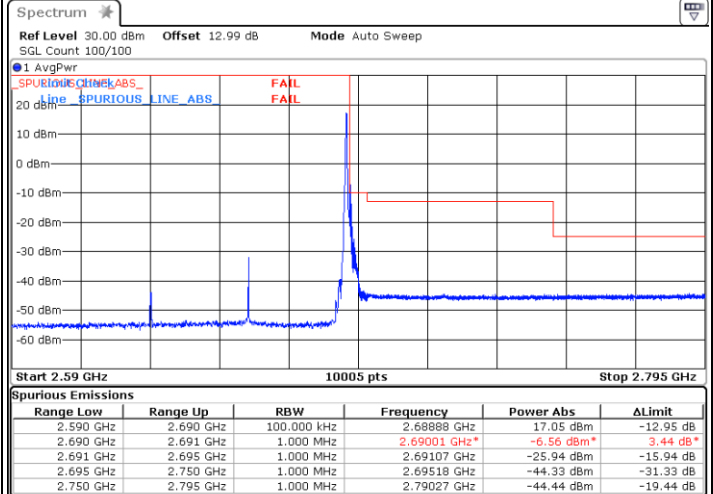
FR1 n41 / 60MHz / DFT OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

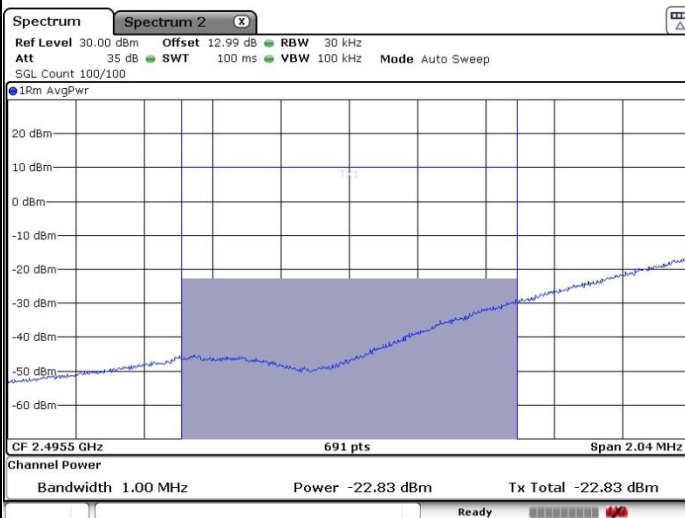
Highest Band Edge / 1RBmax



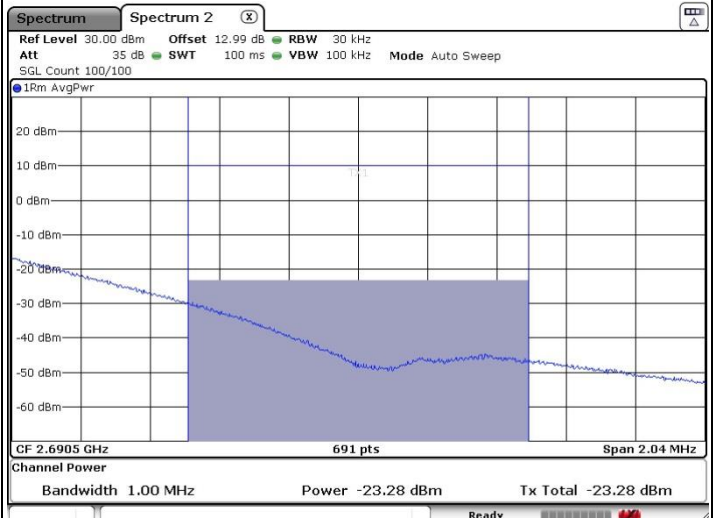
Date: 10.JUN.2022 13:51:26



Date: 12.JUL.2022 02:34:18



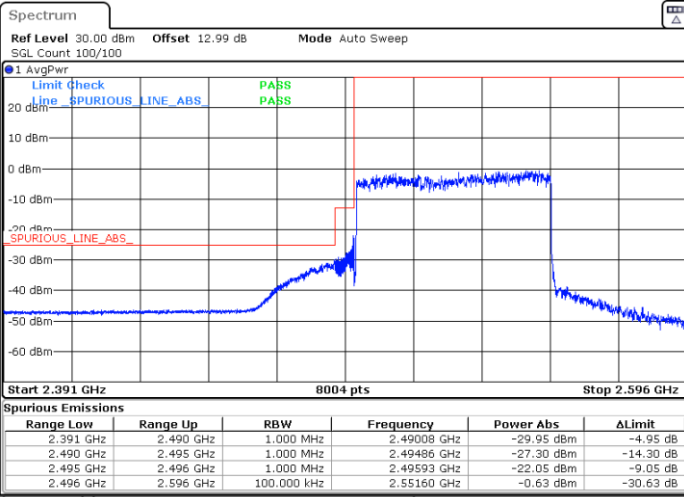
Date: 10.JUN.2022 15:33:18



Date: 10.JUN.2022 15:34:58

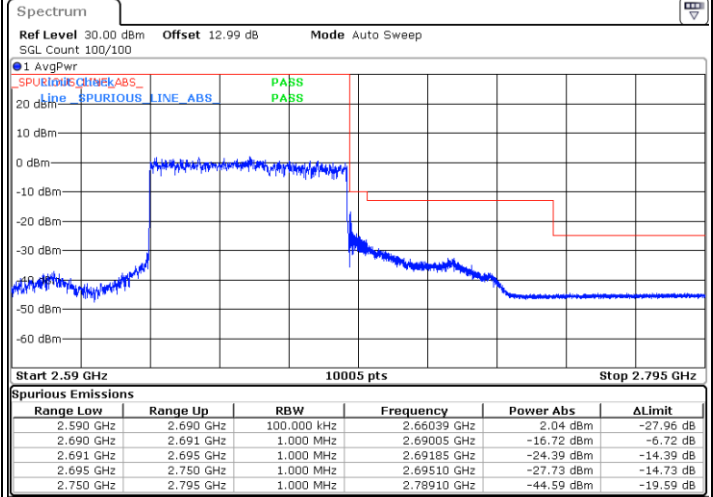


Lowest Band Edge / Full RB



Date: 10.JUN.2022 13:59:49

Highest Band Edge / Full RB



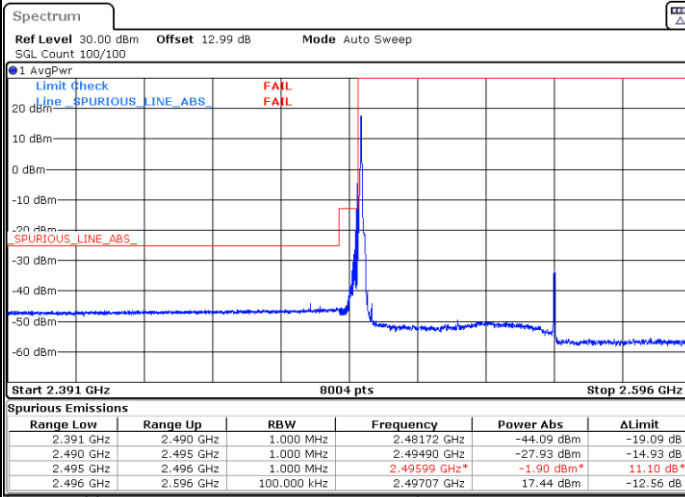
Date: 12.JUL.2022 02:34:46



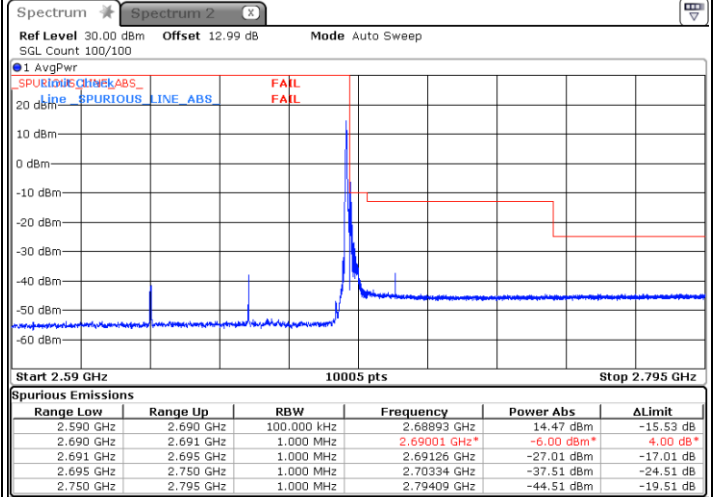
FR1 n41 / 60MHz / DFT OFDM / QPSK

Lowest Band Edge / 1RB0

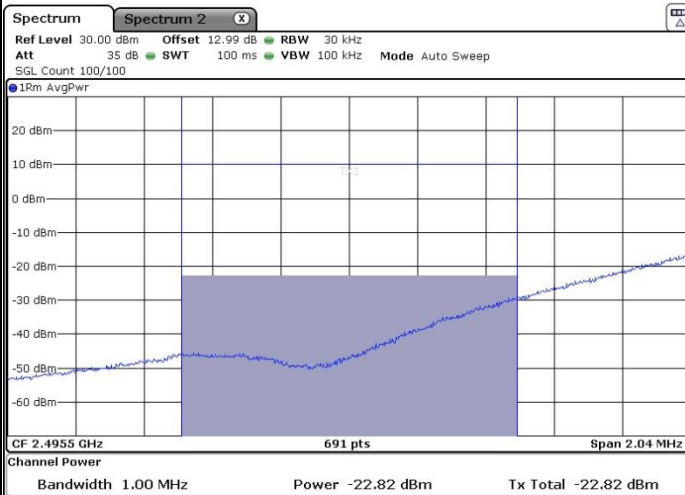
Highest Band Edge / 1RBmax



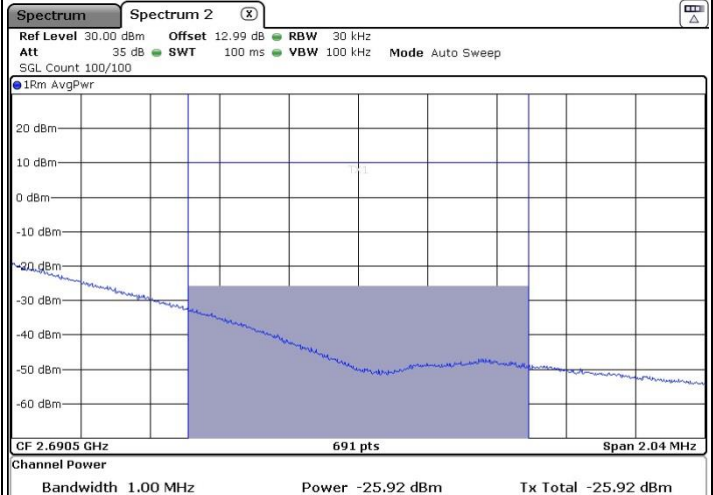
Date: 10.JUN.2022 13:52:35



Date: 12.JUL.2022 02:33:32



Date: 10.JUN.2022 15:33:50

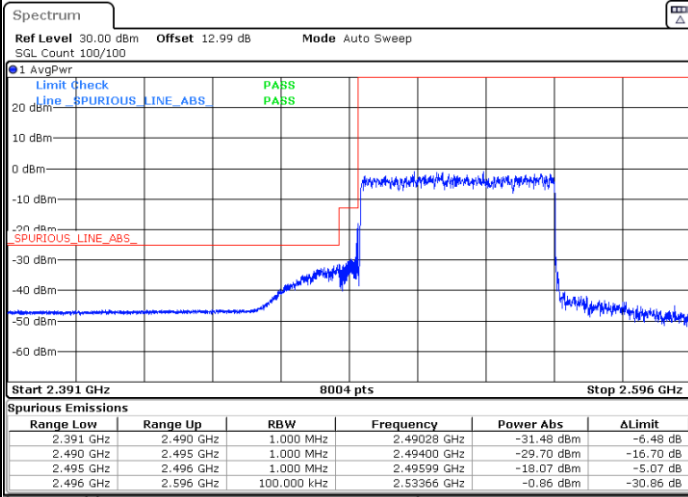


Date: 10.JUN.2022 15:34:28

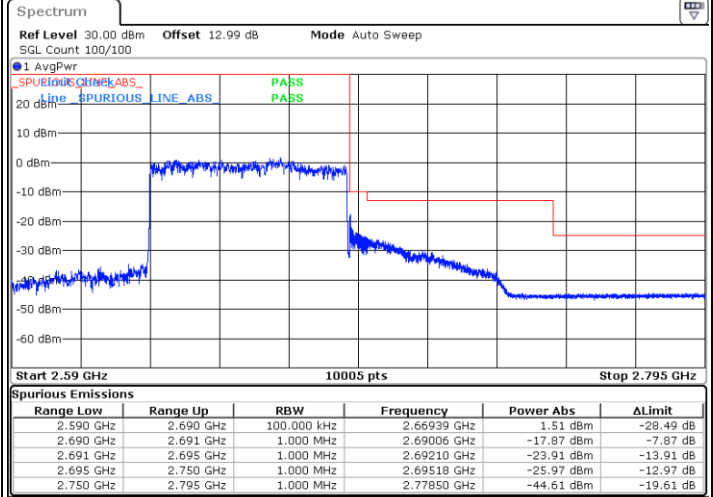


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.JUN.2022 13:59:20



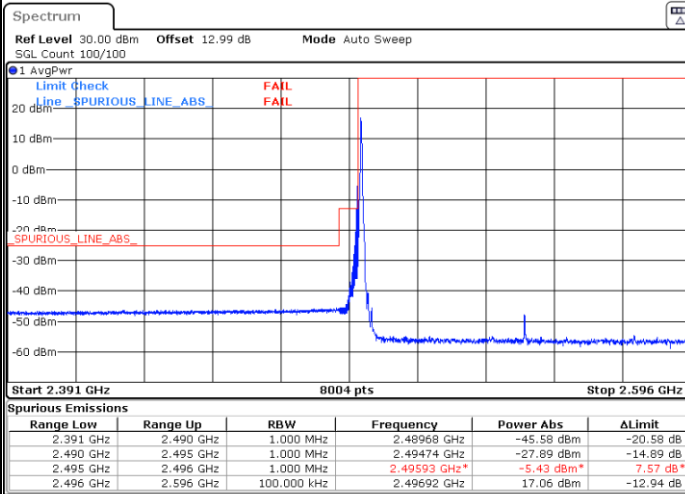
Date: 12.JUL.2022 02:35:54



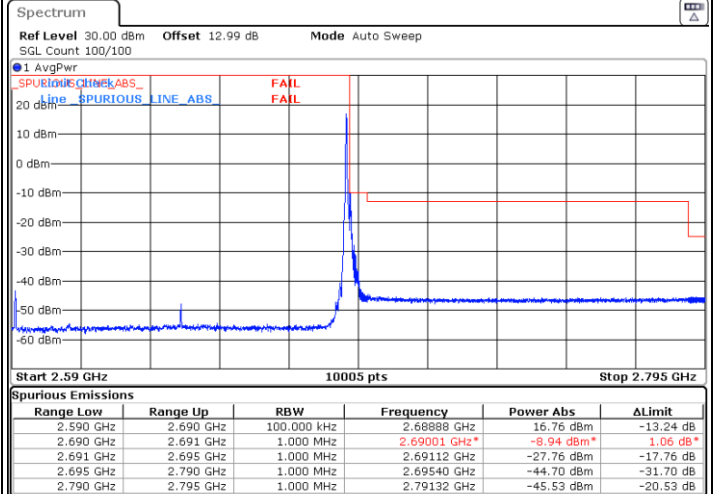
FR1 n41 / 100MHz / DFT OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

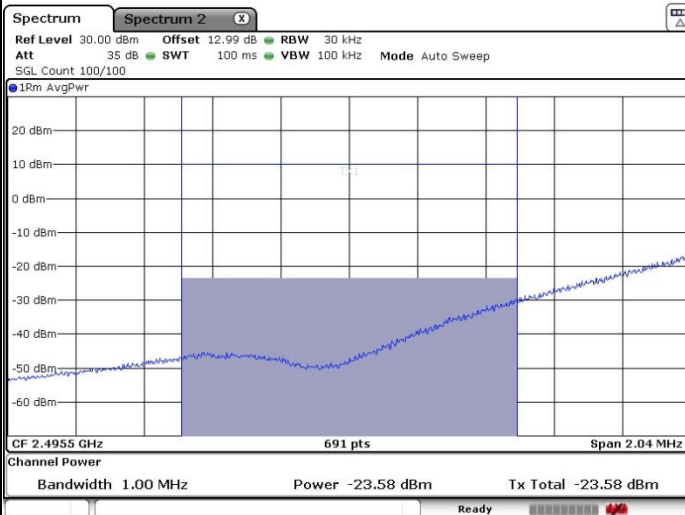
Highest Band Edge / 1RBmax



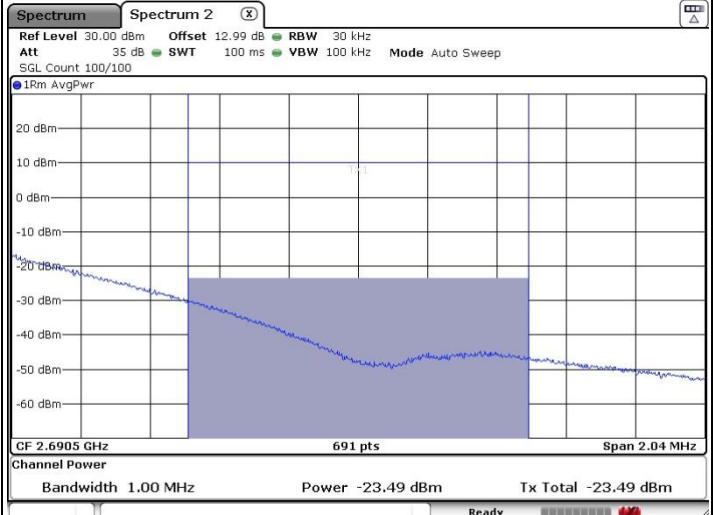
Date: 10.JUN.2022 11:24:30



Date: 10.JUN.2022 11:47:56



Date: 10.JUN.2022 15:27:21

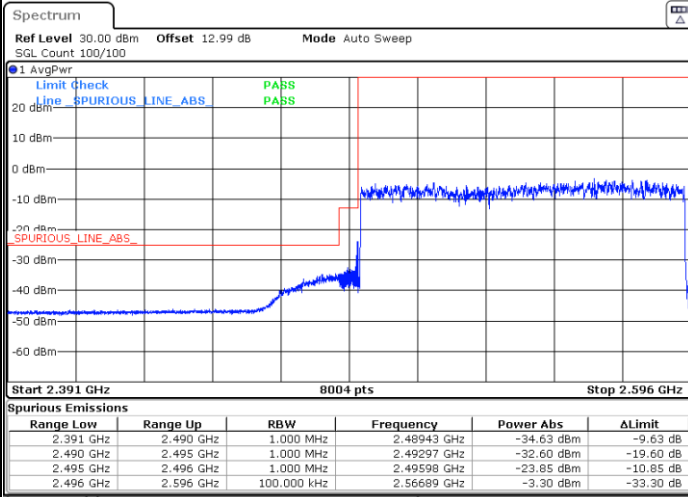


Date: 10.JUN.2022 15:31:40

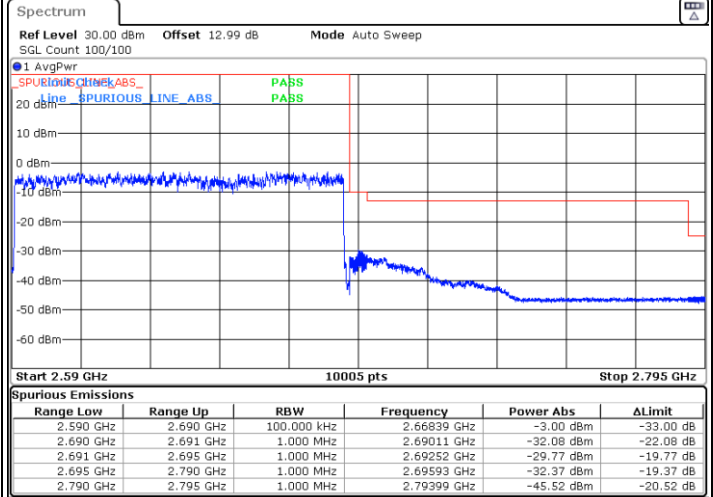


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.JUN.2022 10:42:48



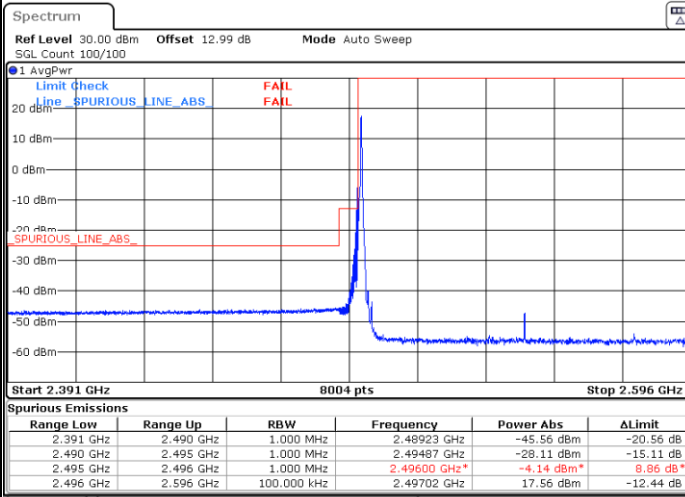
Date: 10.JUN.2022 13:24:10



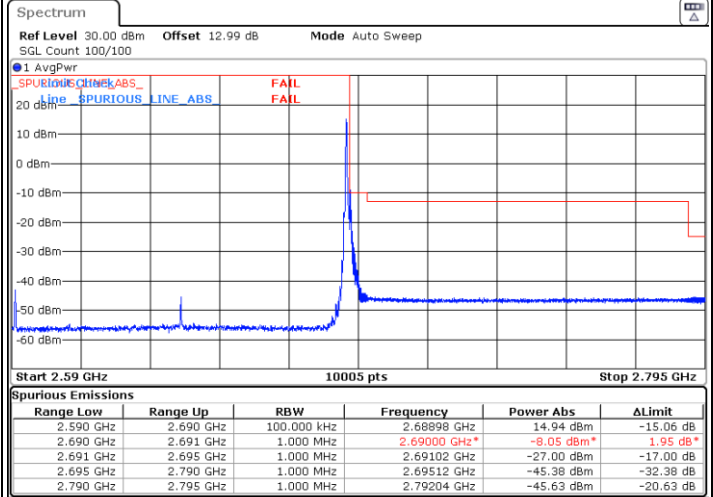
FR1 n41 / 100MHz / DFT OFDM / QPSK

Lowest Band Edge / 1RB0

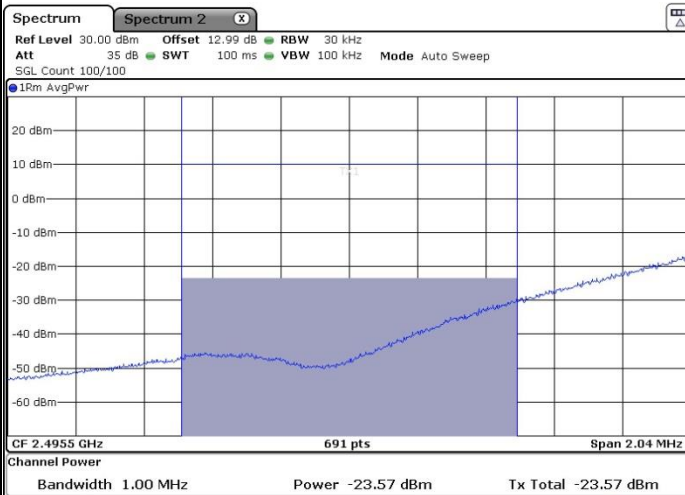
Highest Band Edge / 1RBmax



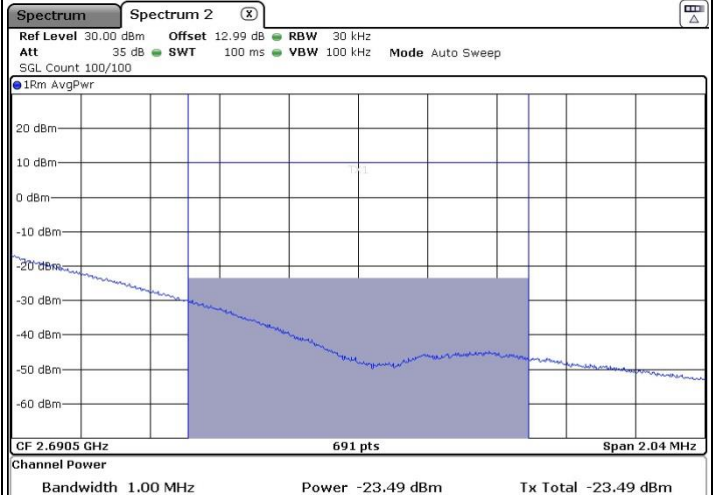
Date: 10.JUN.2022 11:25:05



Date: 10.JUN.2022 11:49:17



Date: 10.JUN.2022 15:29:35

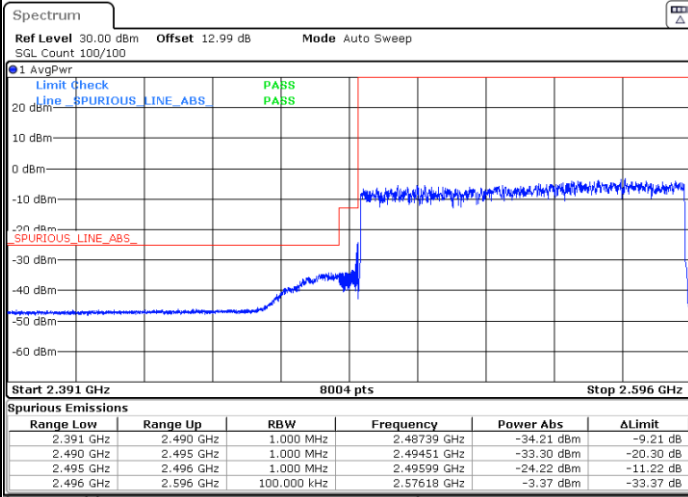


Date: 10.JUN.2022 15:30:56

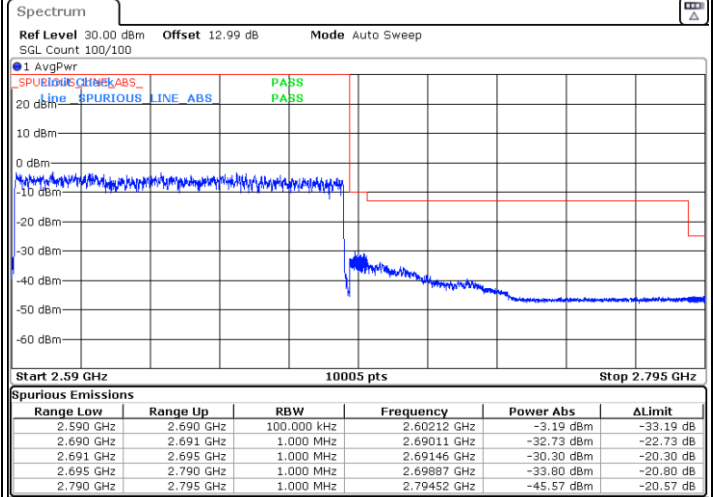


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.JUN.2022 10:44:28



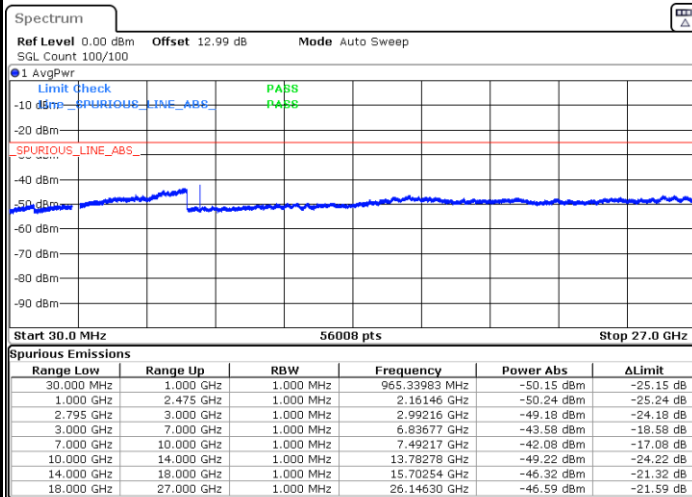
Date: 10.JUN.2022 13:22:15



Conducted Spurious Emission

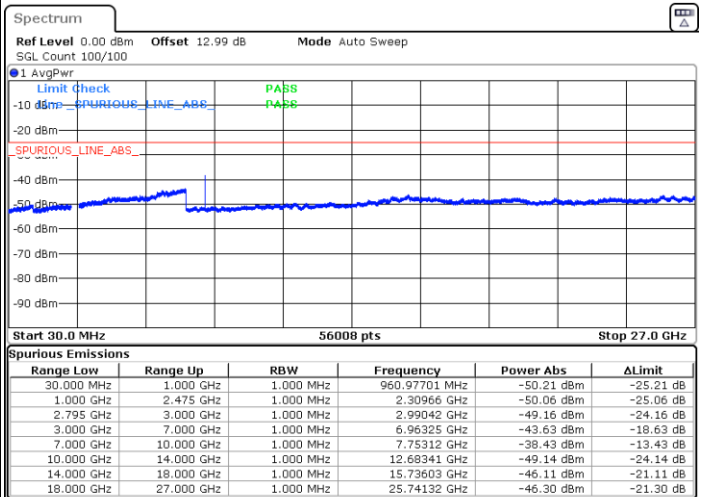
FR1 n41 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



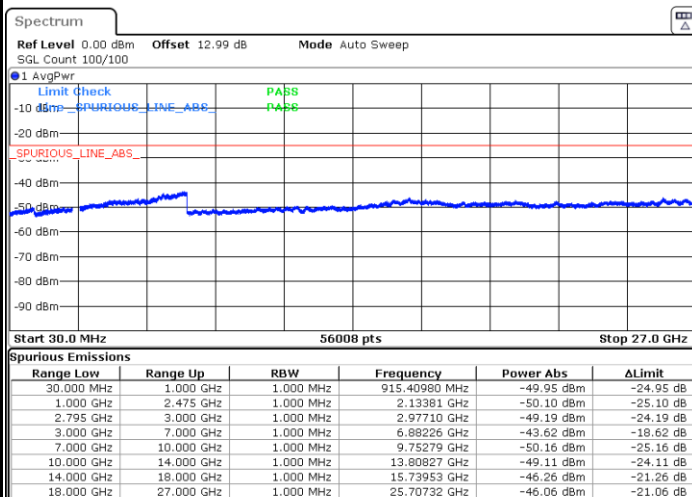
Date: 10.JUN.2022 14:59:48

Middle Channel / 1RB1



Date: 10.JUN.2022 14:58:01

Highest Channel / 1RB1

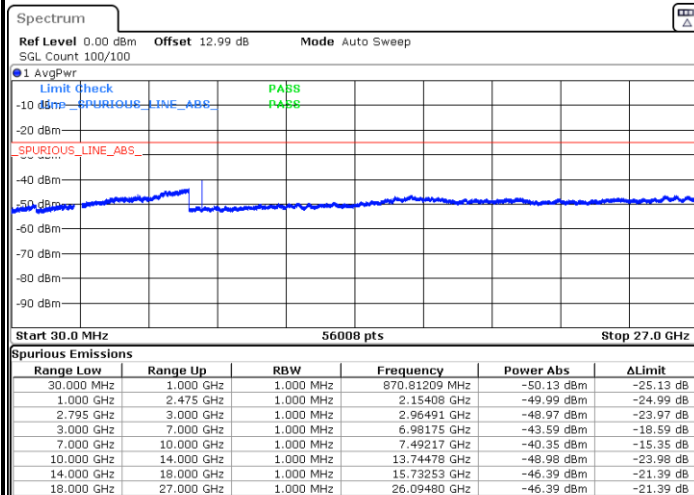


Date: 10.JUN.2022 15:11:25



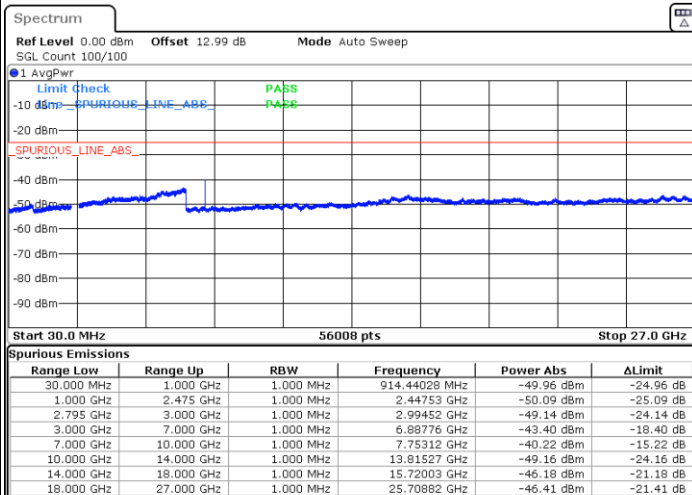
FR1 n41 / 20MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1



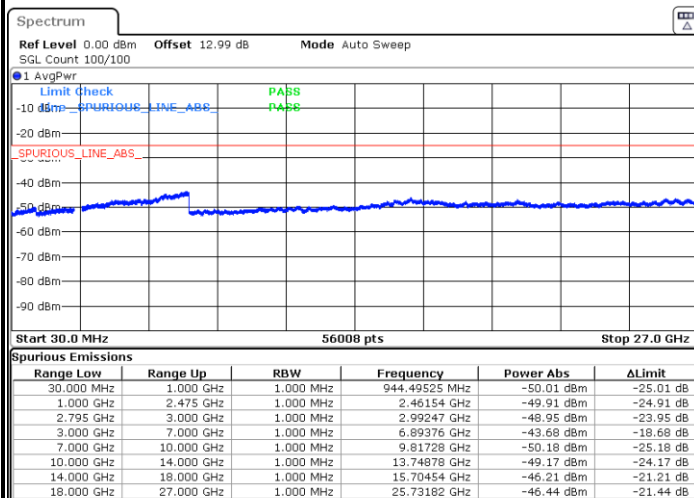
Date: 10.JUN.2022 15:01:06

Middle Channel / 1RB1



Date: 10.JUN.2022 14:56:49

Highest Channel / 1RB1



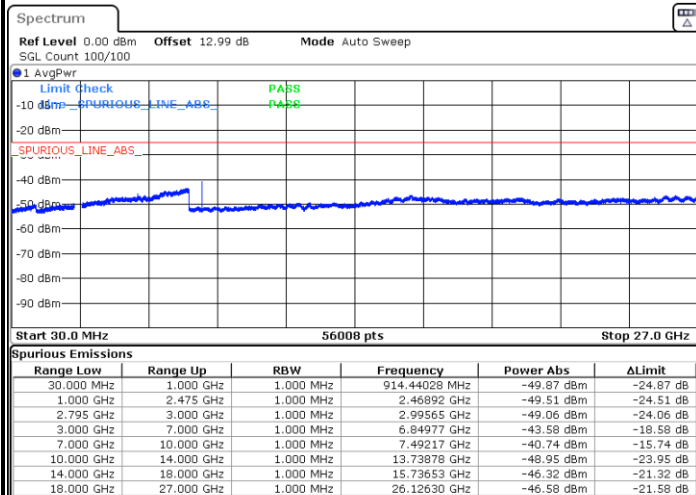
Date: 10.JUN.2022 15:10:25



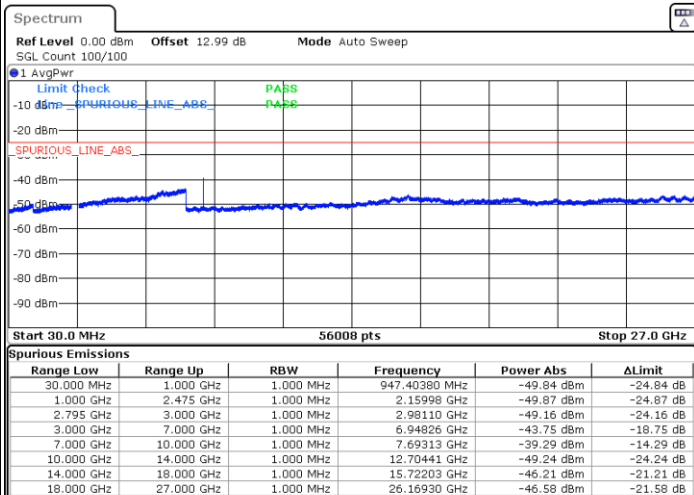
FR1 n41 /60MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

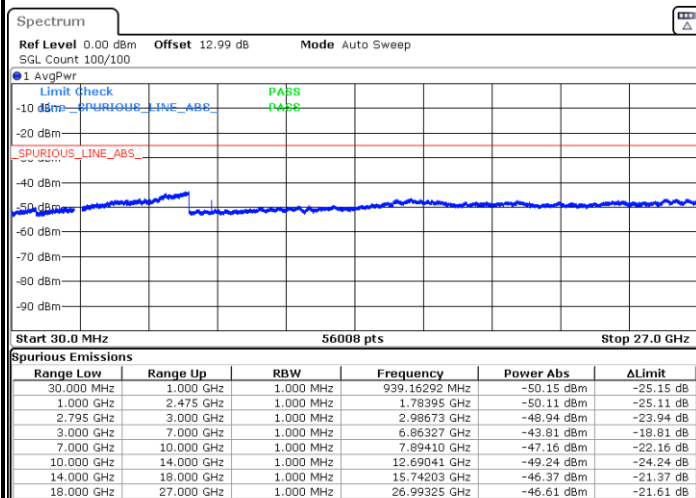


Date: 10.JUN.2022 13:50:33



Date: 10.JUN.2022 13:45:56

Highest Channel / 1RB1



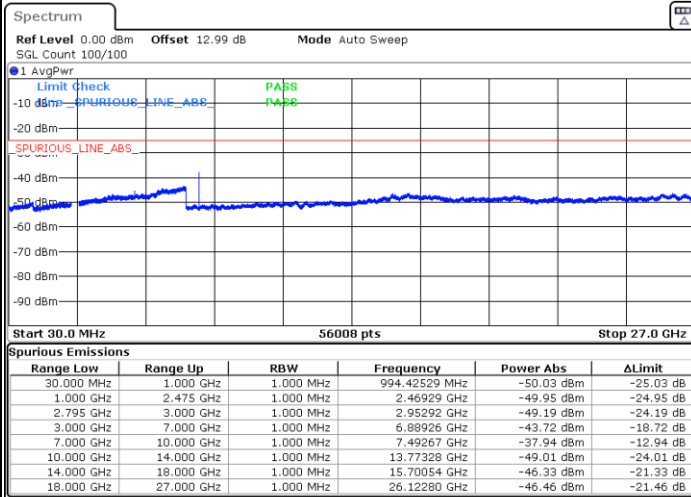
Date: 10.JUN.2022 14:34:32



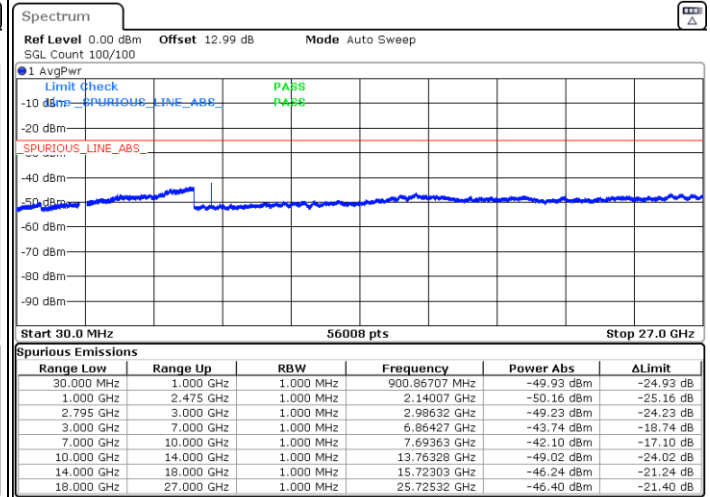
FR1 n41 /60MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

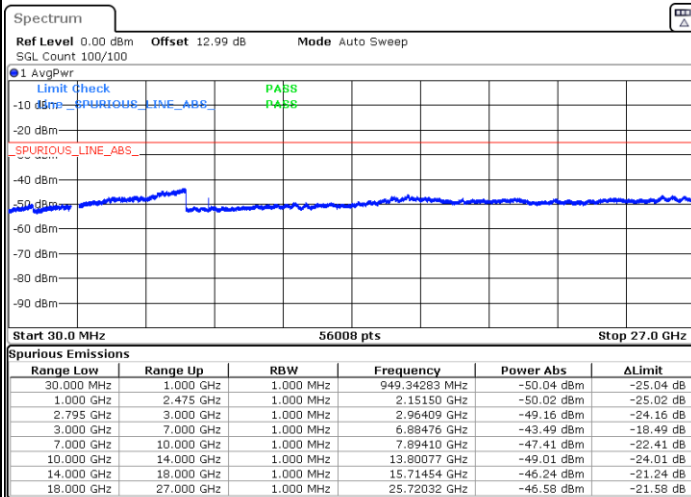


Date: 10.JUN.2022 13:49:35



Date: 10.JUN.2022 13:48:01

Highest Channel / 1RB1

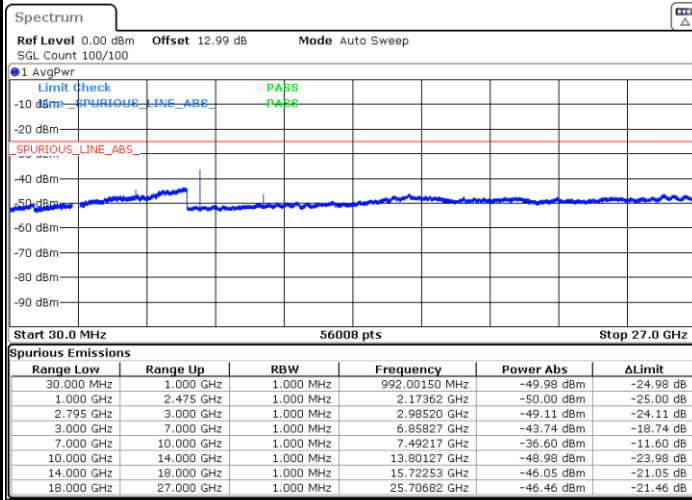


Date: 10.JUN.2022 14:36:36



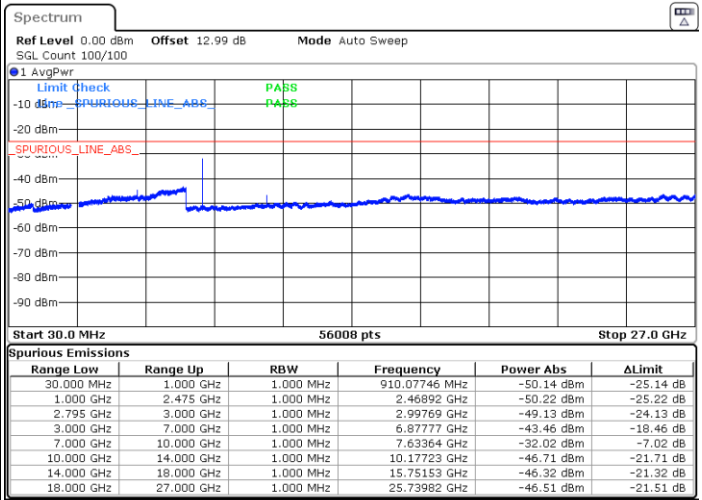
FR1 n41 /100MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



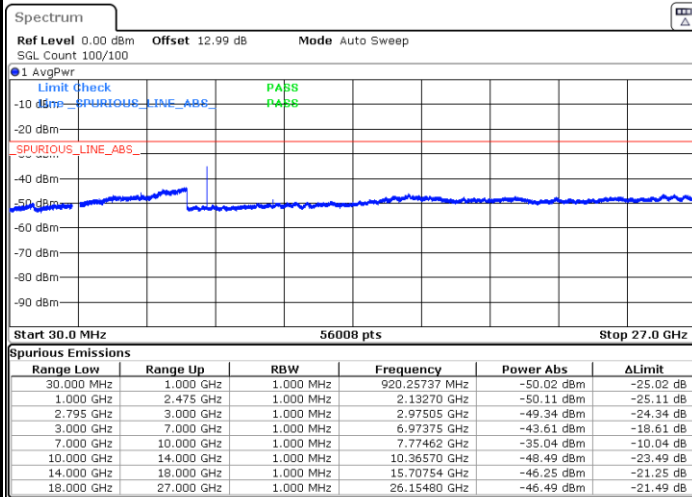
Date: 10.JUN.2022 11:31:14

Middle Channel / 1RB1



Date: 10.JUN.2022 11:38:04

Highest Channel / 1RB1



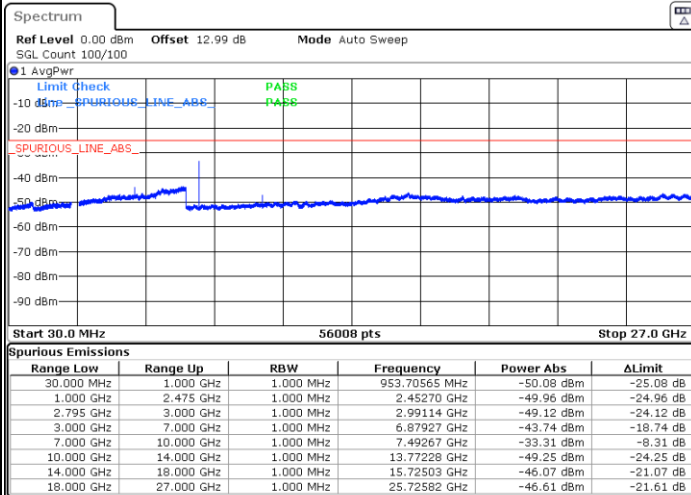
Date: 10.JUN.2022 11:46:03



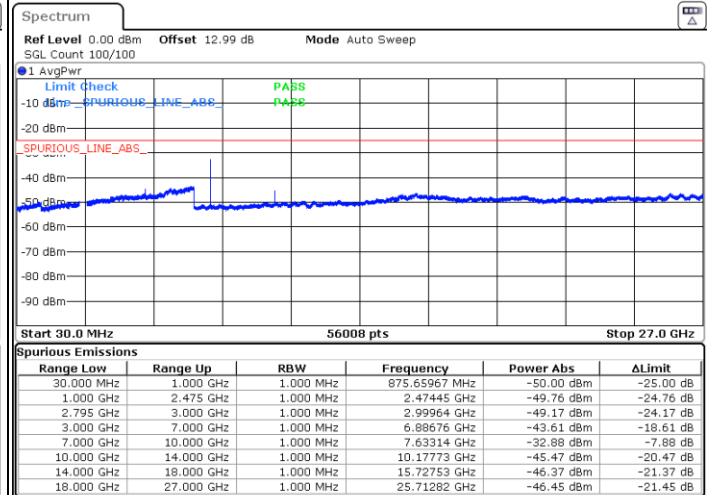
FR1 n41 /100MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

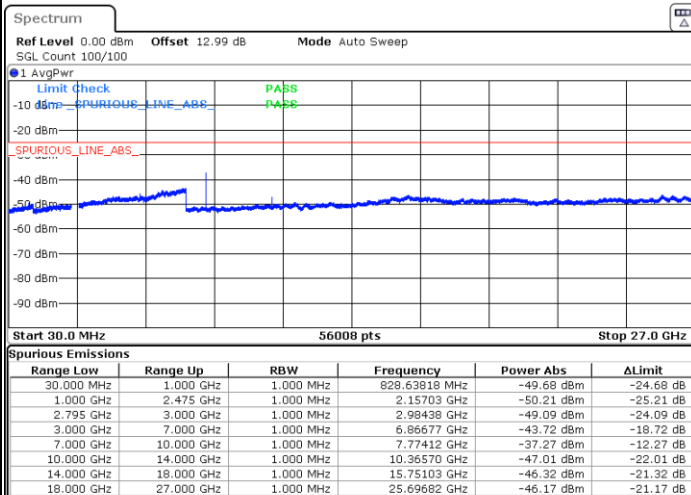


Date: 10.JUN.2022 11:28:50



Date: 10.JUN.2022 11:39:45

Highest Channel / 1RB1



Date: 10.JUN.2022 11:44:40

**Frequency Stability**

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

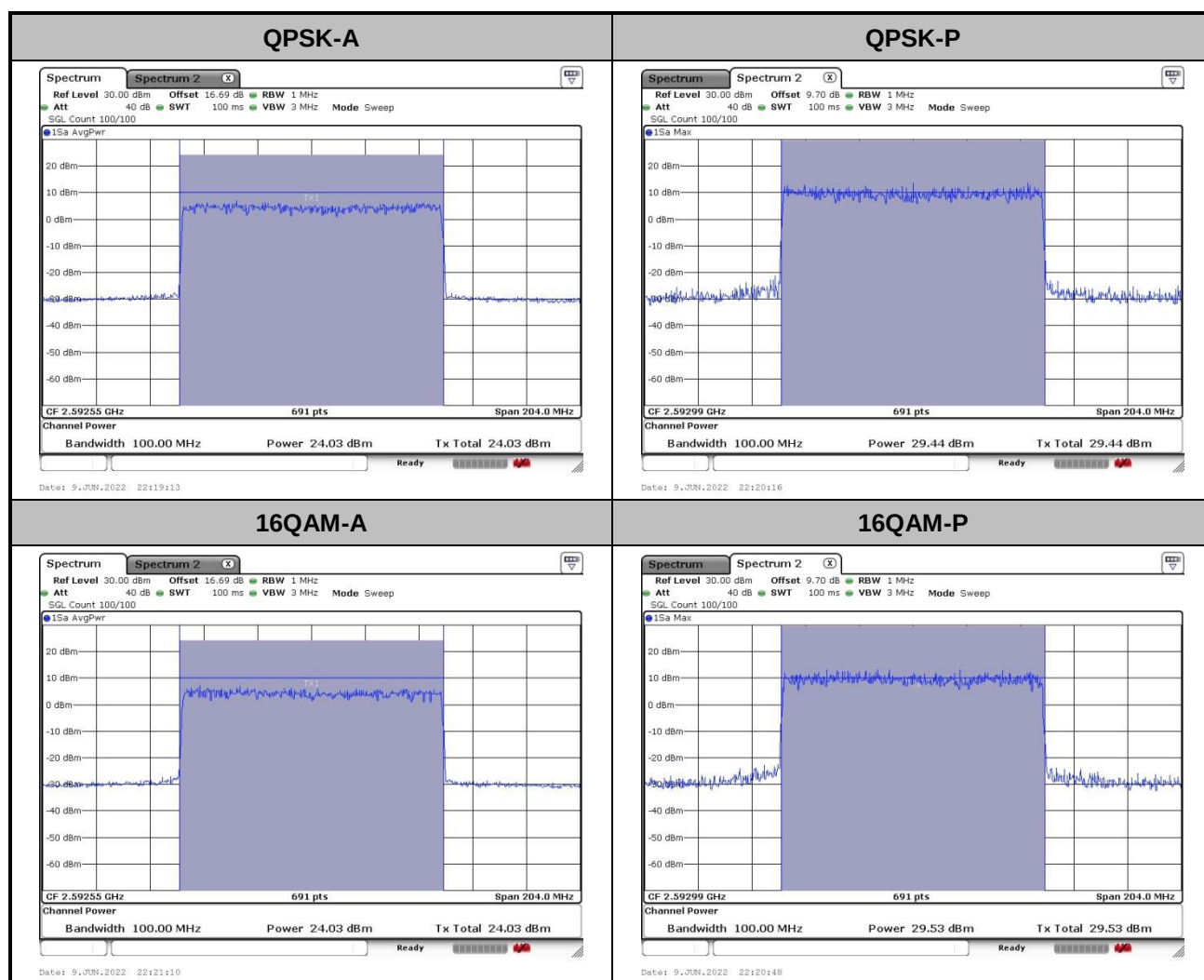
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

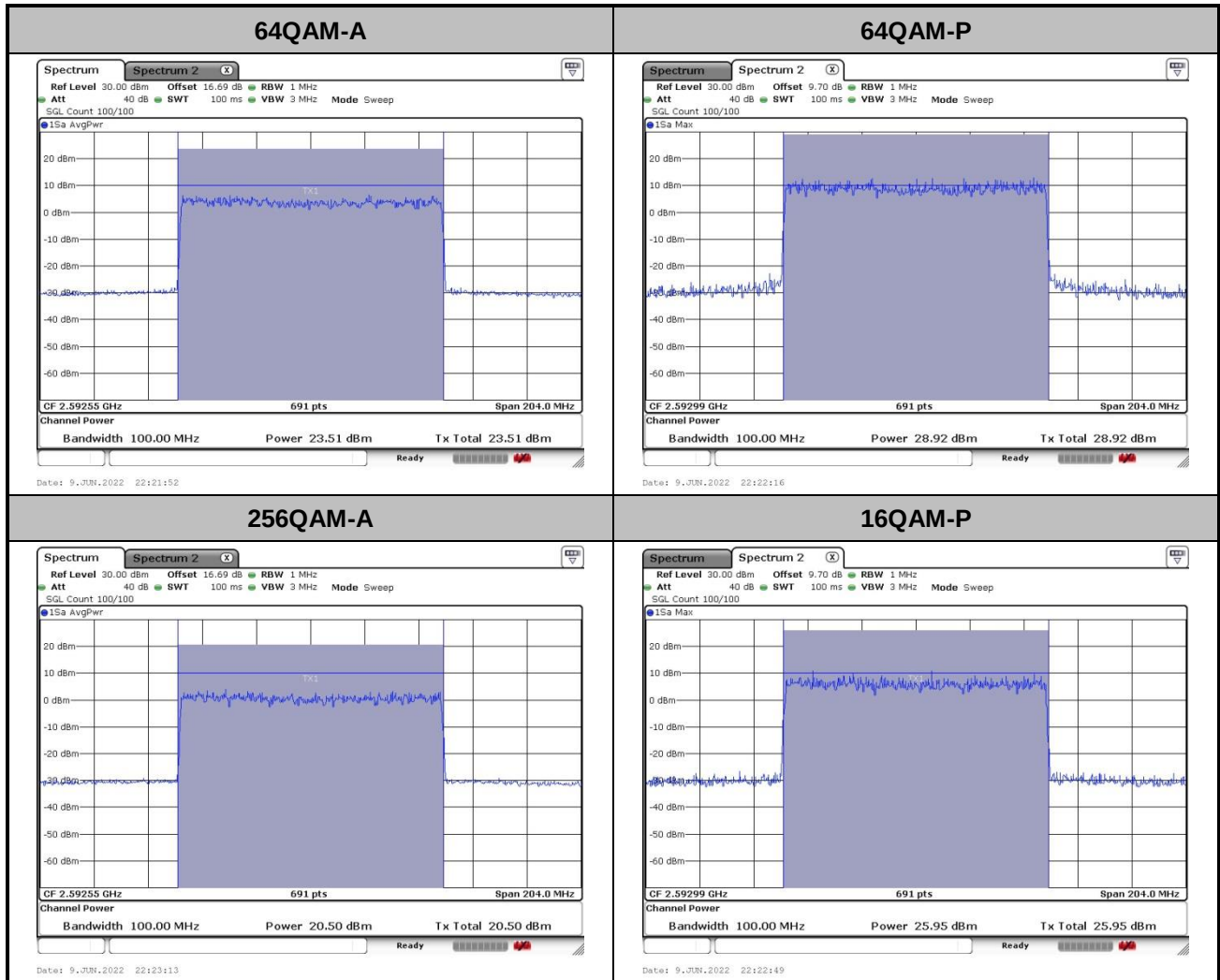


FR1 n41 UL MIMO

Peak-to-Average Ratio

Mode	FR1 n41 / 100MHz / CP OFDM				
Mod.	100M				Limit: 13dB
RB Size	QPSK	16QAM	64QAM	256QAM	Result
Middle CH	5.41	5.5	5.41	5.45	PASS





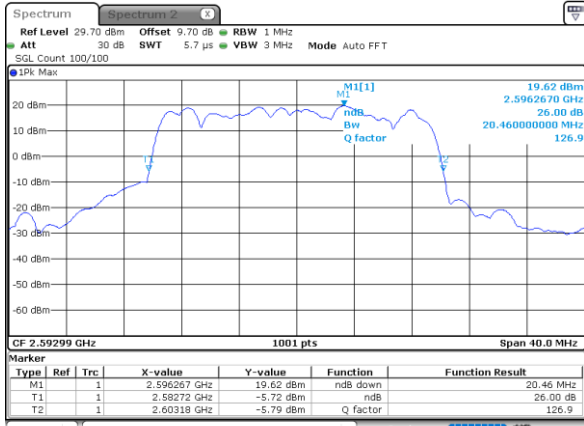
**26dB Bandwidth**

Mode	FR1 n41 : 26dB BW(20 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	20.46	20.5	20.42	20.58
Mode	FR1 n41 : 26dB BW(30 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	28.93	29.17	29.01	29.57
Mode	FR1 n41 : 26dB BW(40 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	40.12	40.60	40.28	40.28
Mode	FR1 n41 : 26dB BW(50 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	49.75	49.75	49.95	49.65
Mode	FR1 n41 : 26dB BW(60 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	60.42	60.3	60.42	60.42
Mode	FR1 n41 : 26dB BW(70 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	70.25	70.37	70.01	70.01
Mode	FR1 n41 : 26dB BW(80 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	82	82.32	82.32	82.16
Mode	FR1 n41 : 26dB BW(90 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	92.43	92.43	92.07	92.25
Mode	FR1 n41 : 26dB BW(100 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	102.5	102.7	102.7	102.5

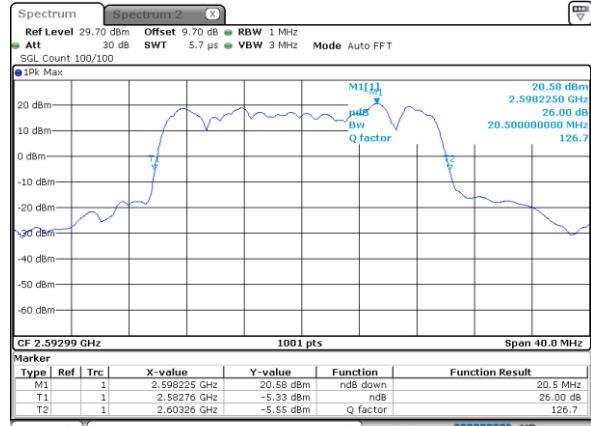


20MHz CP

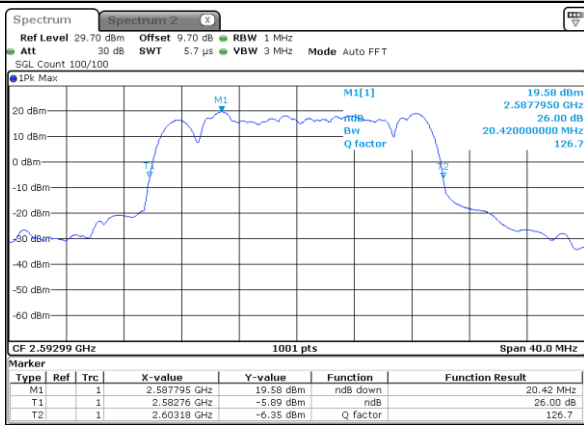
QPSK



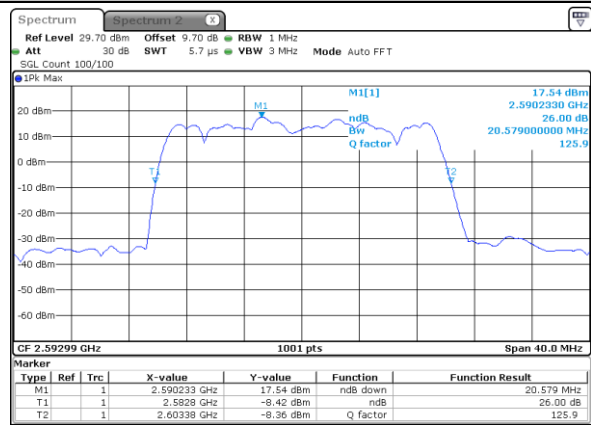
16QAM



64QAM



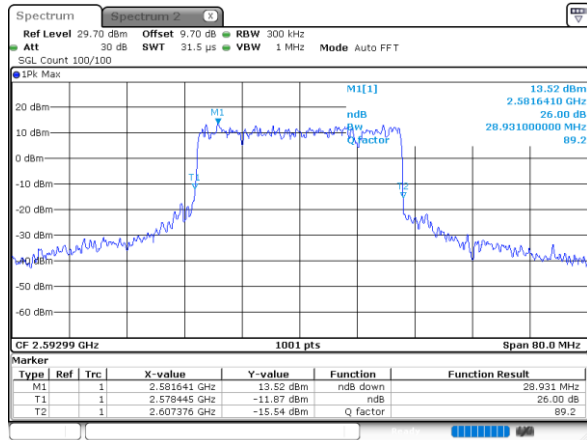
256QAM



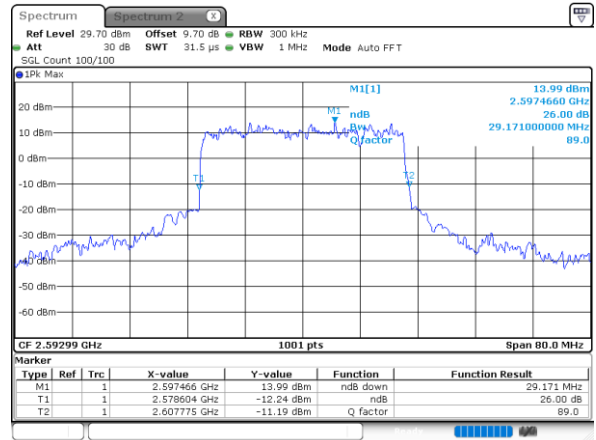


30MHz CP

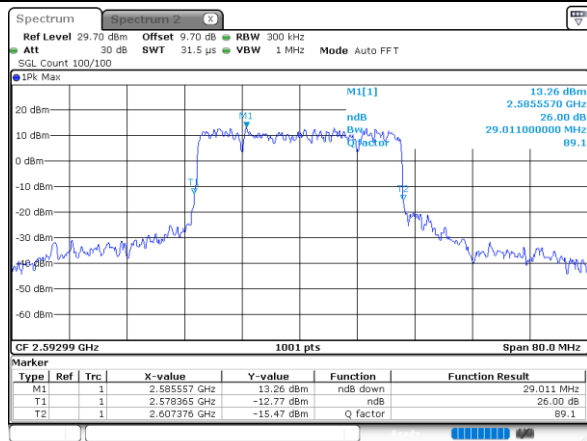
QPSK



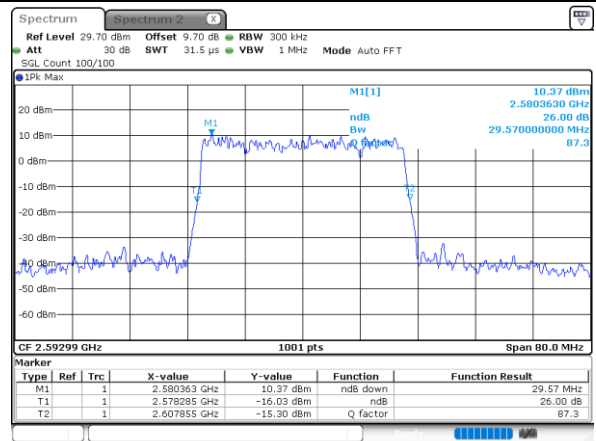
16QAM



64QAM



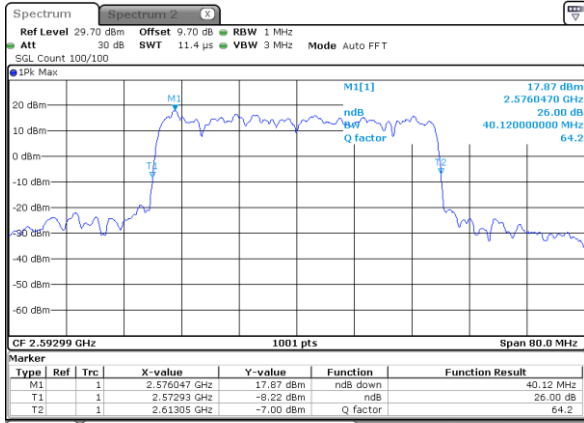
256QAM





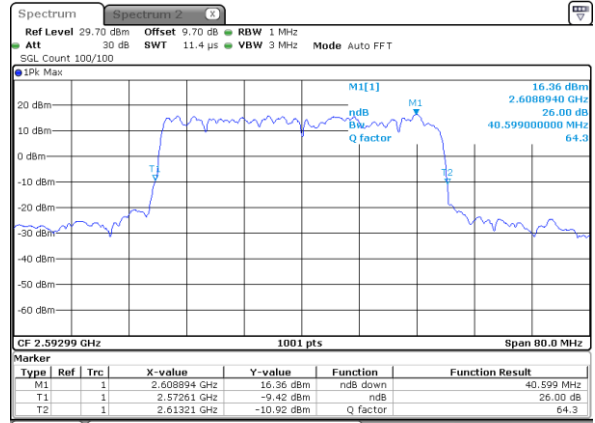
40MHz CP

QPSK



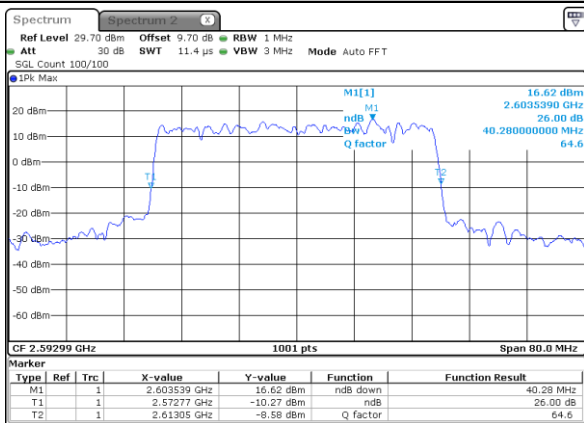
Date: 10 JUN 2022 00:36:34

16QAM



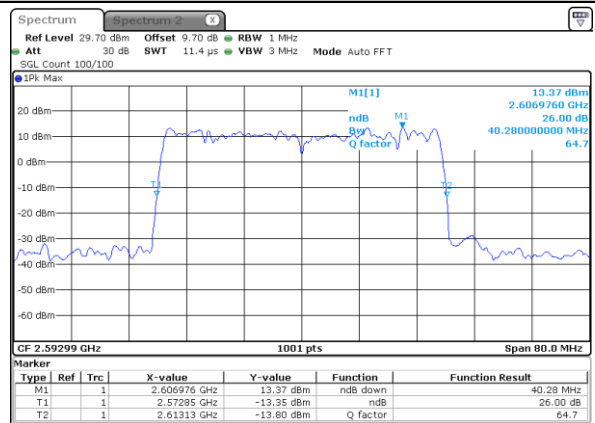
Date: 10 JUN 2022 00:50:41

64QAM



Date: 10 JUN 2022 00:51:03

256QAM

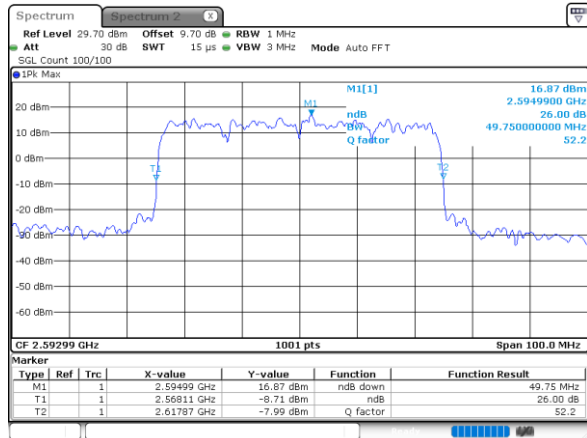


Date: 10 JUN 2022 00:51:42

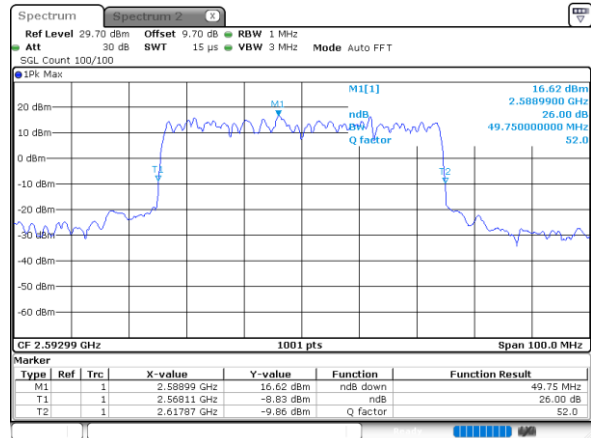


50MHz CP

QPSK



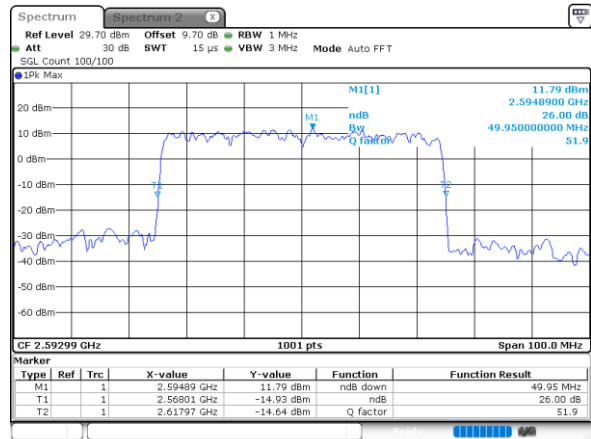
16QAM



64QAM



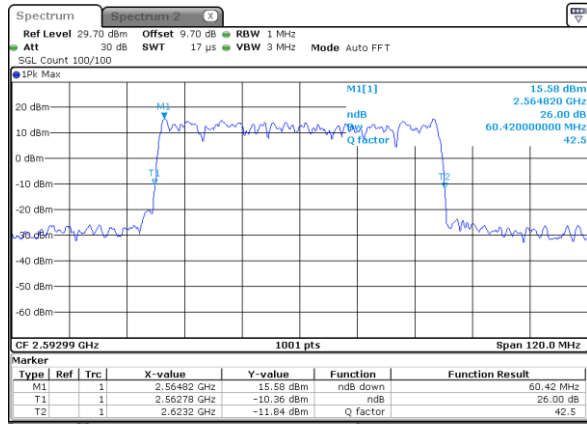
256QAM





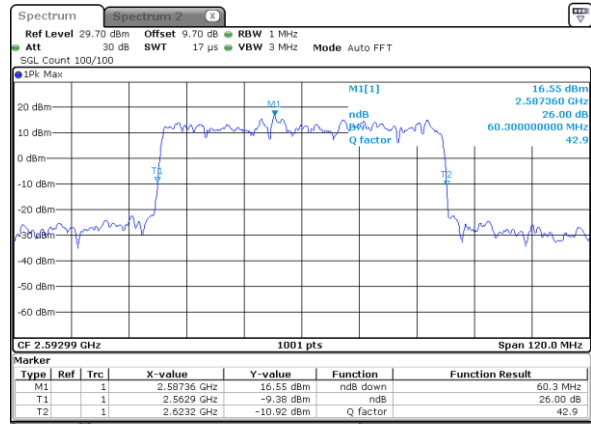
60MHz CP

QPSK



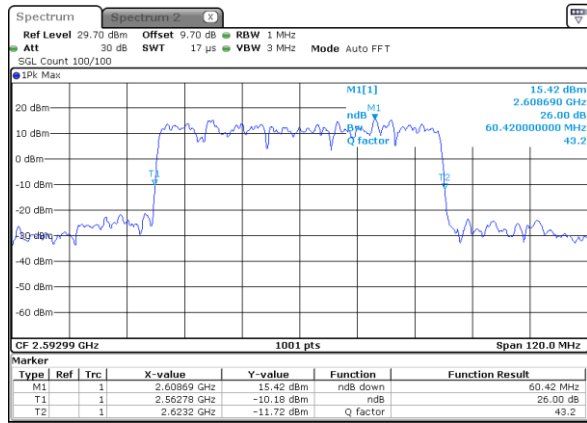
Date: 10 JUN, 2022 00:06:40

16QAM



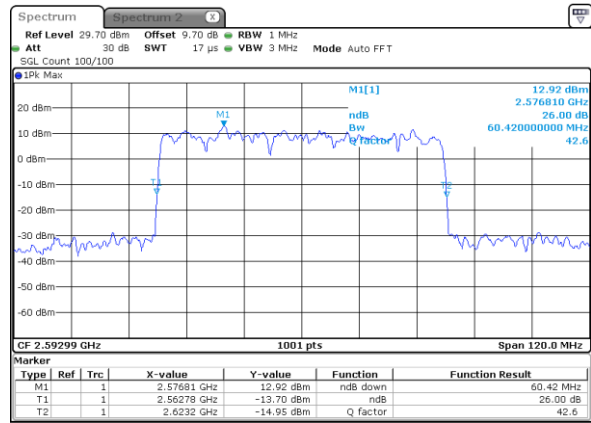
Date: 10 JUN, 2022 00:07:05

64QAM



Date: 10 JUN, 2022 00:07:36

256QAM

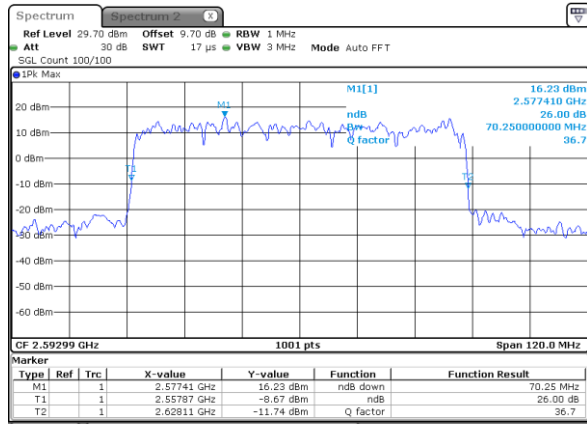


Date: 10 JUN, 2022 00:08:20

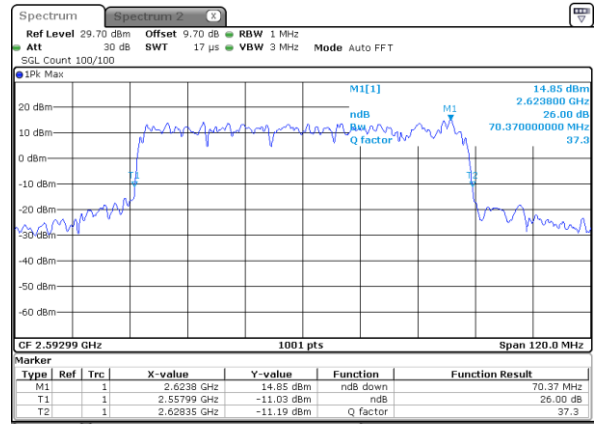


70MHz CP

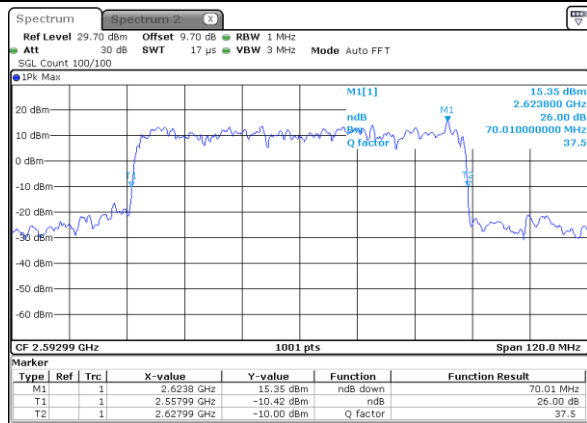
QPSK



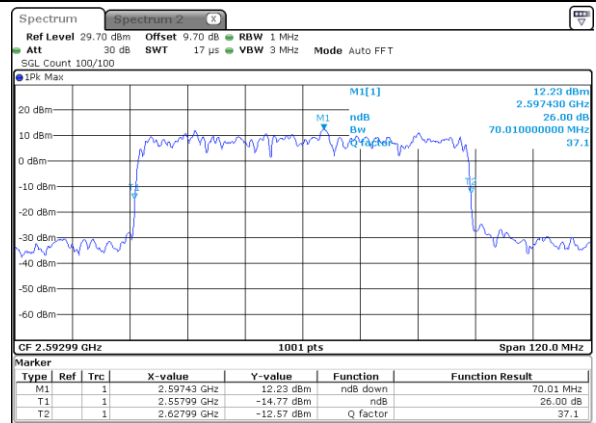
16QAM



16QAM



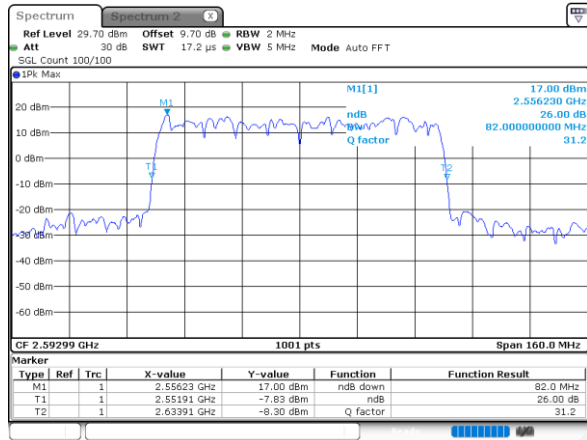
64QAM



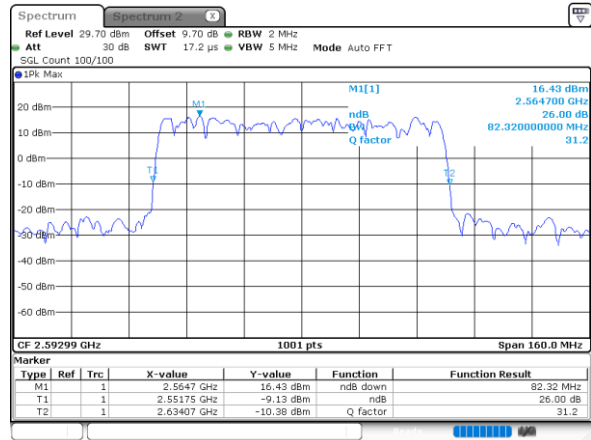


80MHz CP

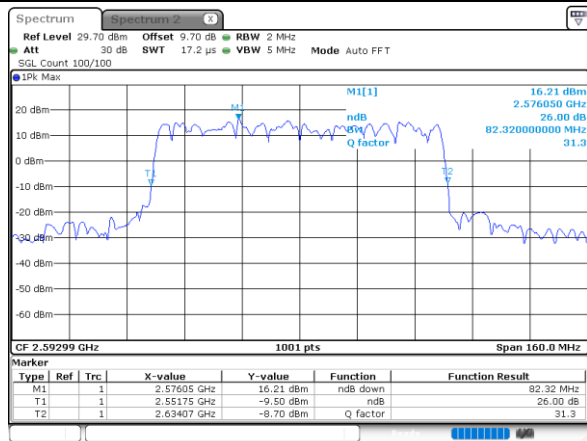
QPSK



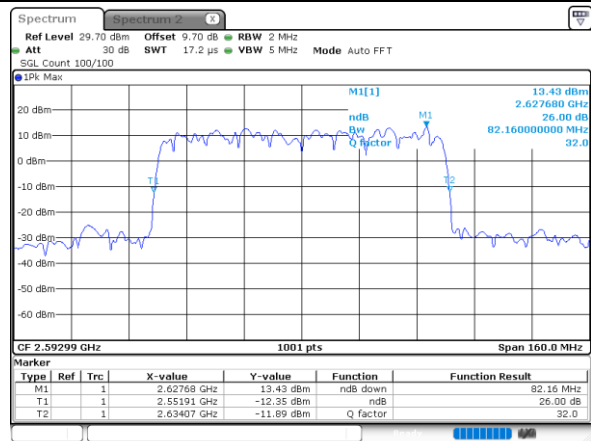
16QAM



64QAM



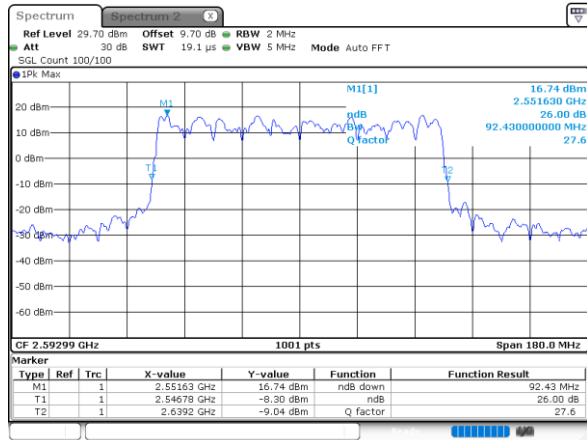
256QAM





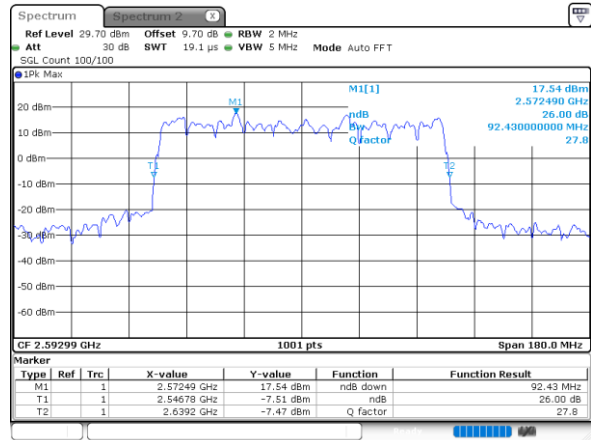
90MHz CP

QPSK



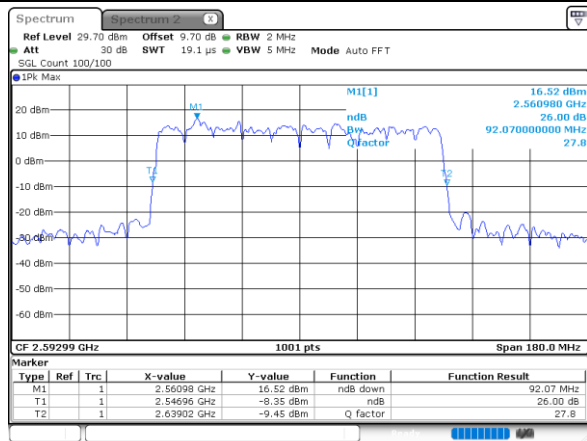
Date: 9_JUN,2022 23:00:11

16QAM



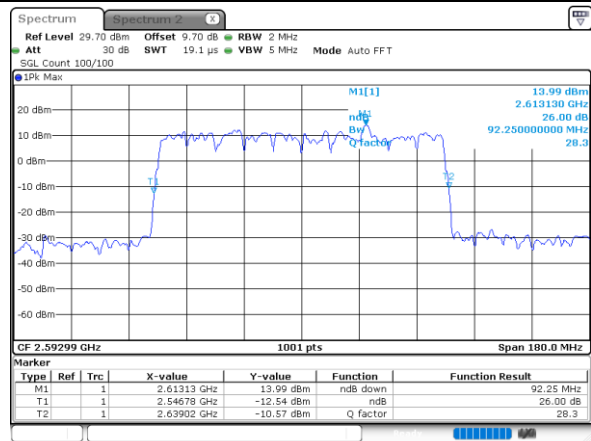
Date: 9_JUN,2022 23:04:12

64QAM



Date: 9_JUN,2022 23:05:40

256QAM

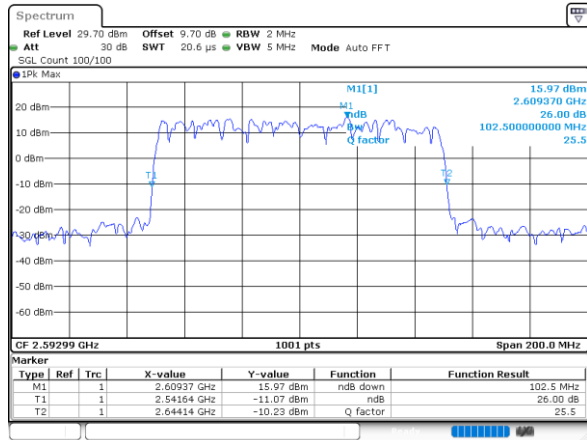


Date: 9_JUN,2022 23:06:03

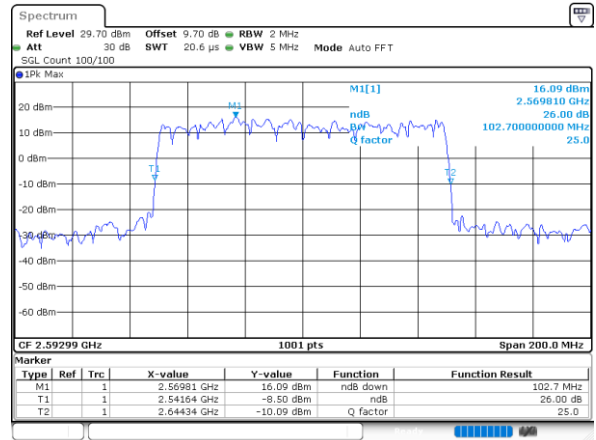


100MHz CP

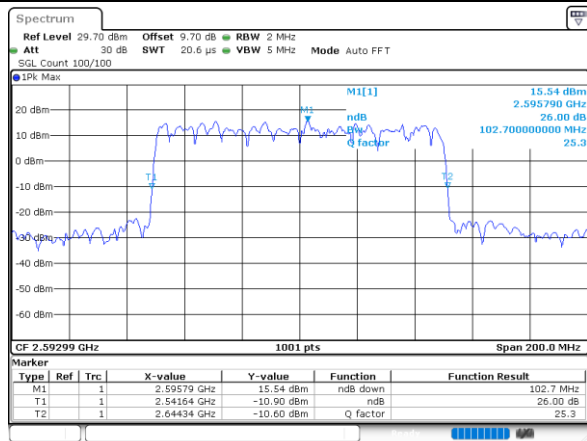
16QAM



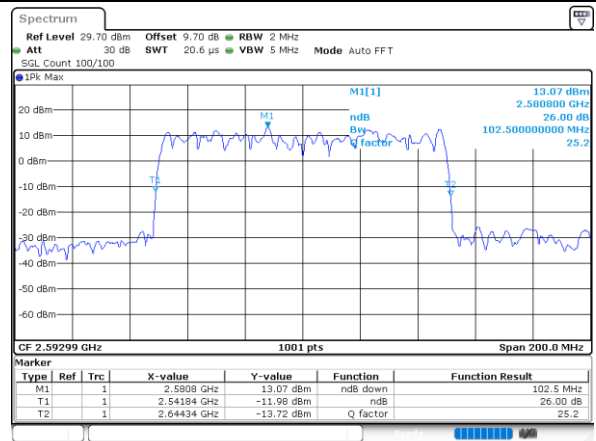
QPSK



64QAM



256QAM



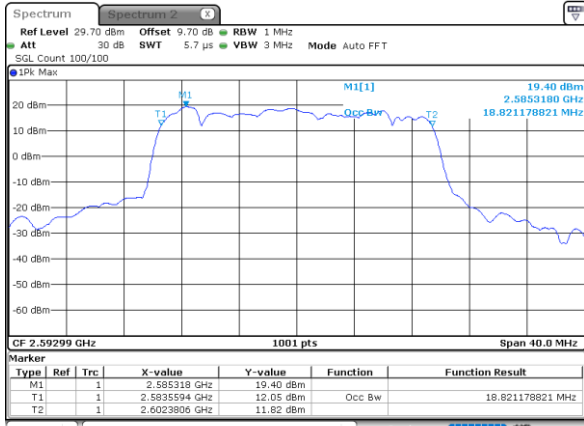
**Occupied Bandwidth**

Mode	FR1 n41 : OB BW(20 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	18.82	18.62	18.78	18.66
Mode	FR1 n41 : OB BW(30 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	27.97	27.81	27.81	27.81
Mode	FR1 n41 : OB BW(40 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	38.44	38.04	38.20	38.28
Mode	FR1 n41 : OB BW(50 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	47.45	47.55	47.35	47.35
Mode	FR1 n41 : OB BW(60 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	57.78	58.02	57.66	57.90
Mode	FR1 n41 : OB BW(70 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	67.73	67.13	67.49	67.61
Mode	FR1 n41 : OB BW(80 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	77.68	78.16	78.00	77.68
Mode	FR1 n41 : OB BW(90 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	87.39	87.21	87.57	87.39
Mode	FR1 n41 : OB BW(100 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	98.30	97.70	97.50	97.70

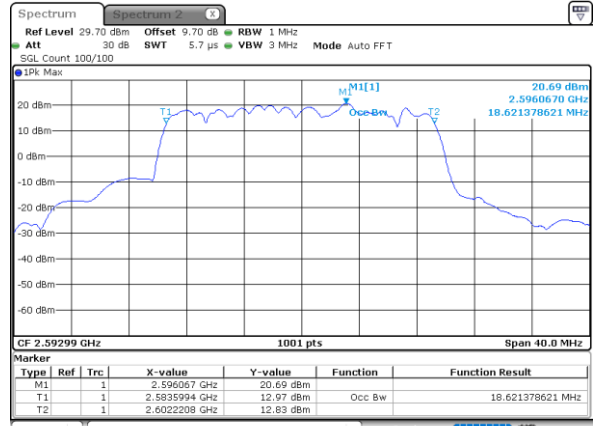


20MHz CP

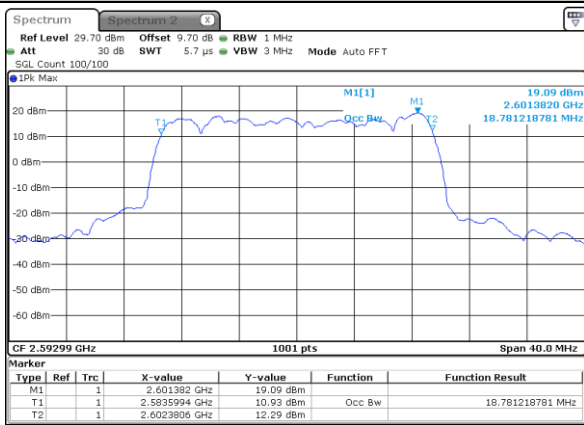
QPSK



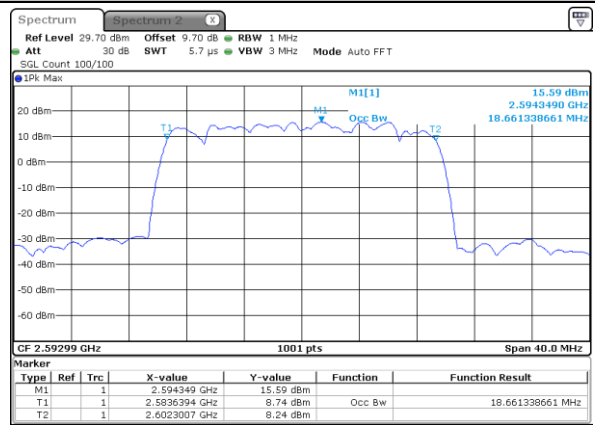
16QAM



64QAM



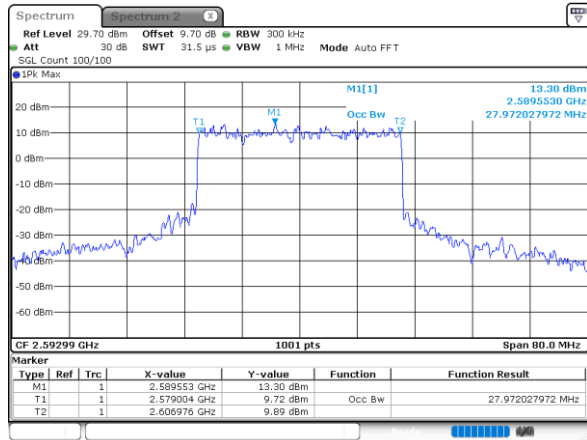
256QAM



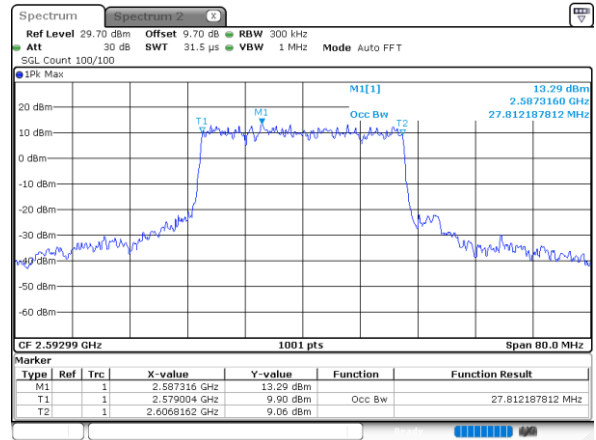


30MHz CP

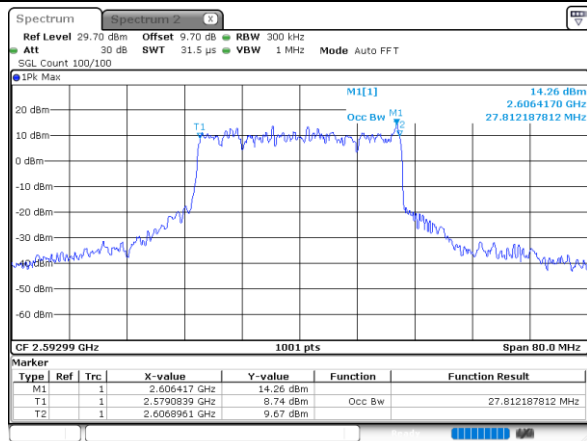
QPSK



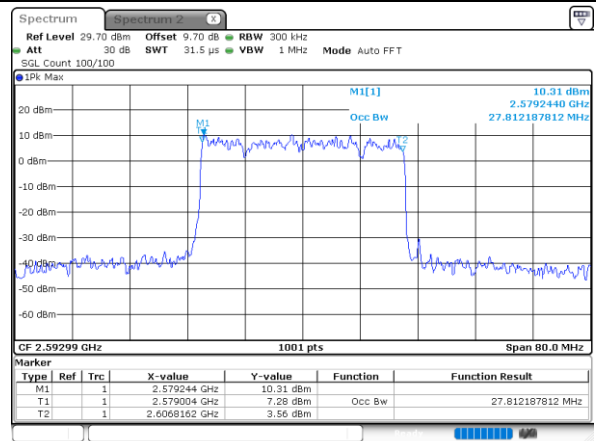
16QAM



64QAM



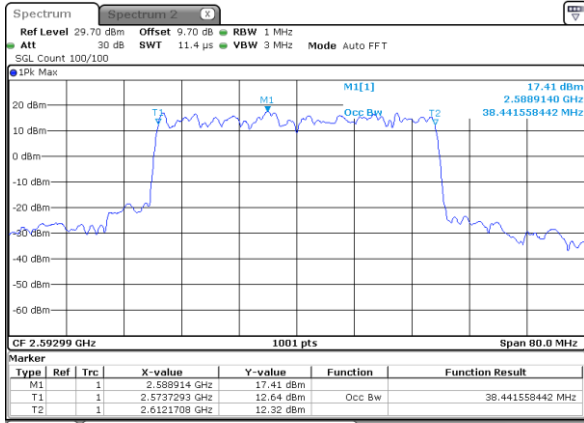
256QAM



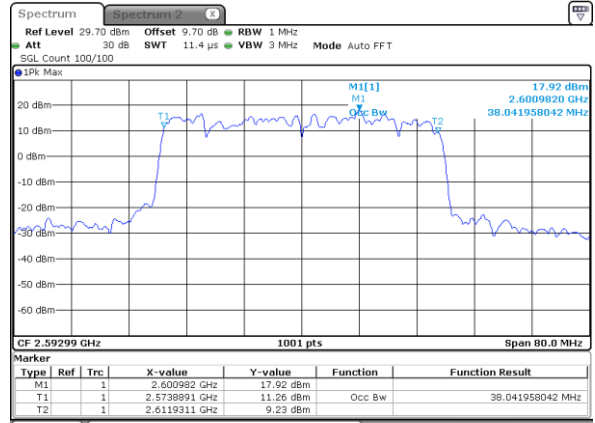


40MHz CP

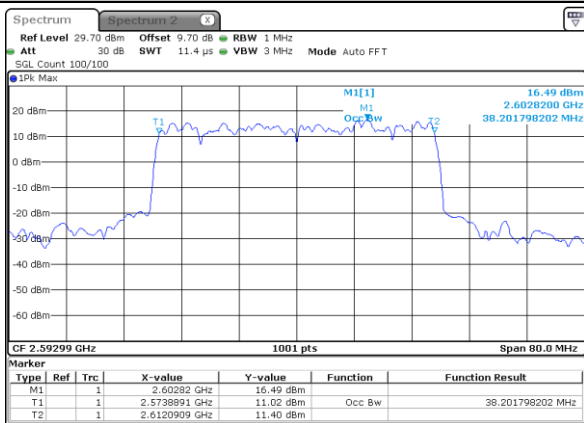
QPSK



16QAM



64QAM



256QAM

