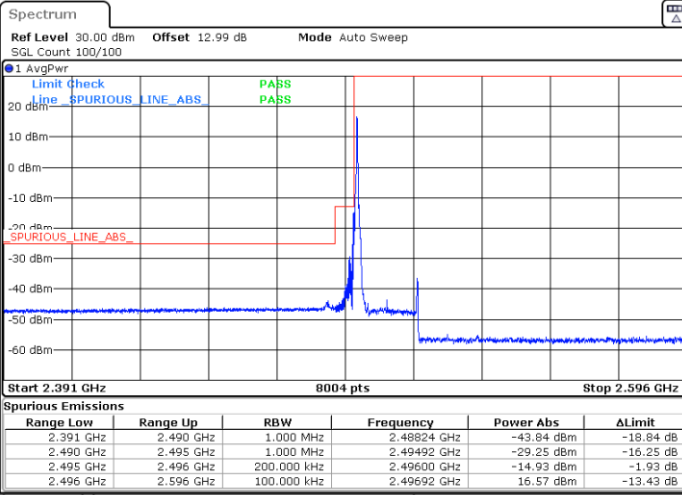




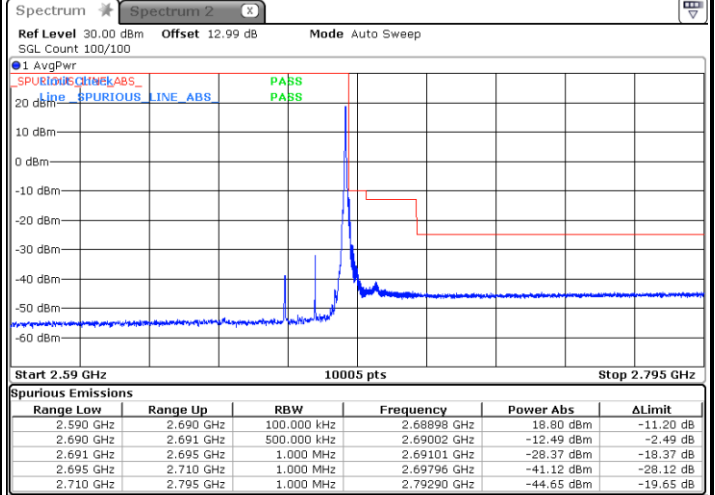
FR1 n41 / 20MHz / DFT OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



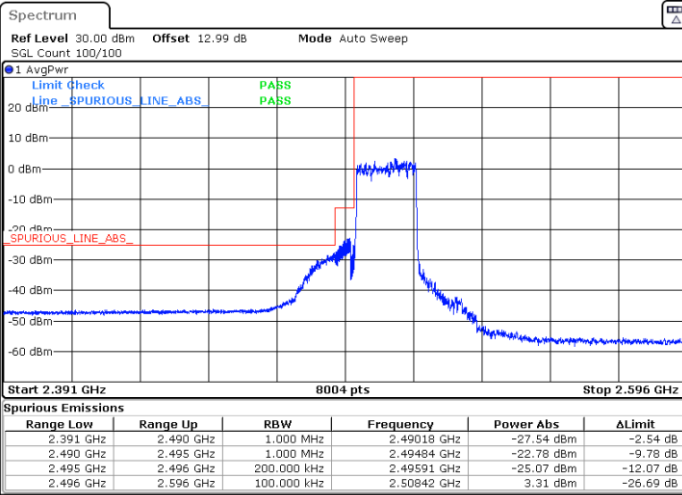
Date: 10. JUN. 2022 15:01:45



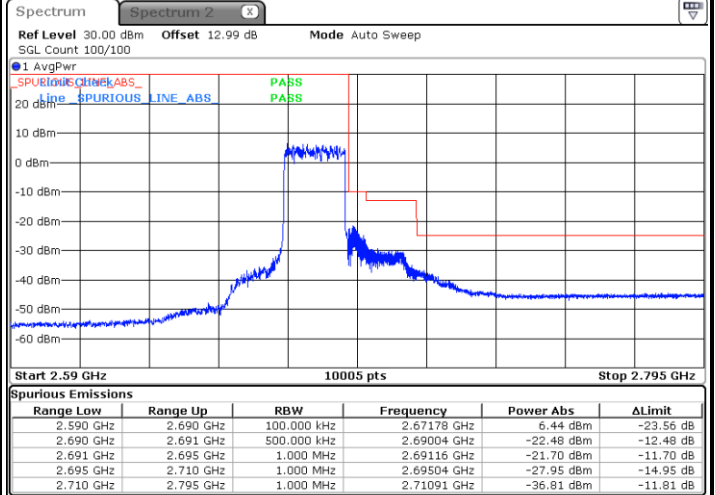
Date: 12. JUL. 2022 02:27:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10. JUN. 2022 15:03:25



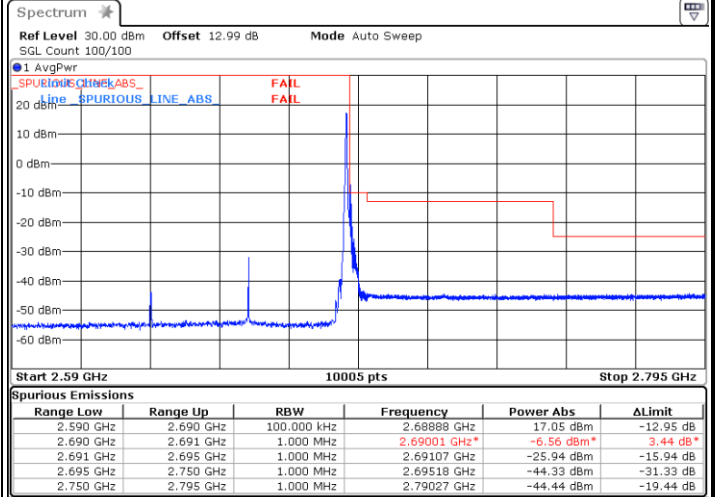
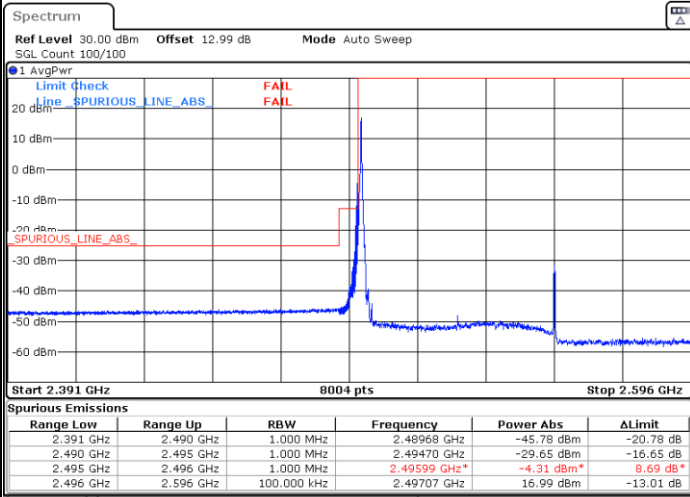
Date: 12. JUL. 2022 02:30:21



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

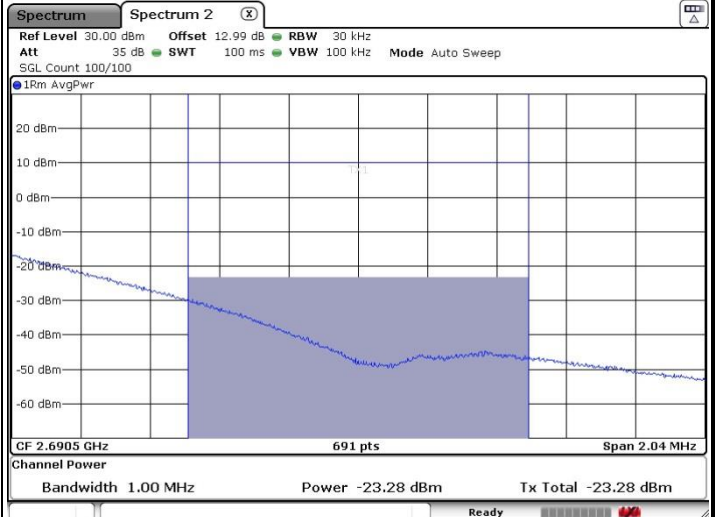
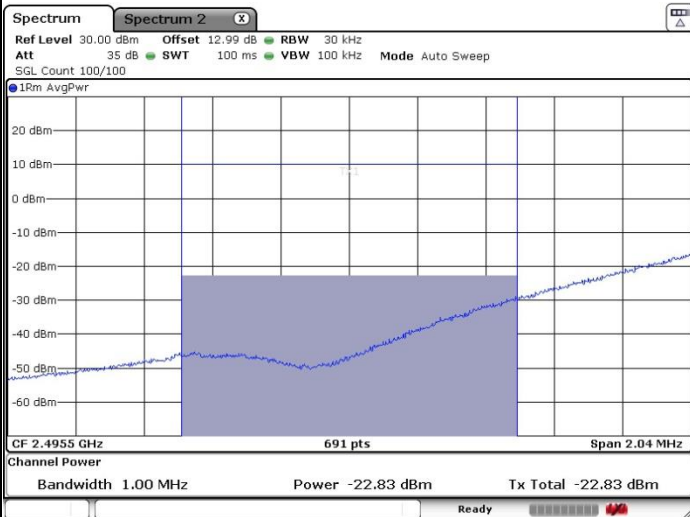
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



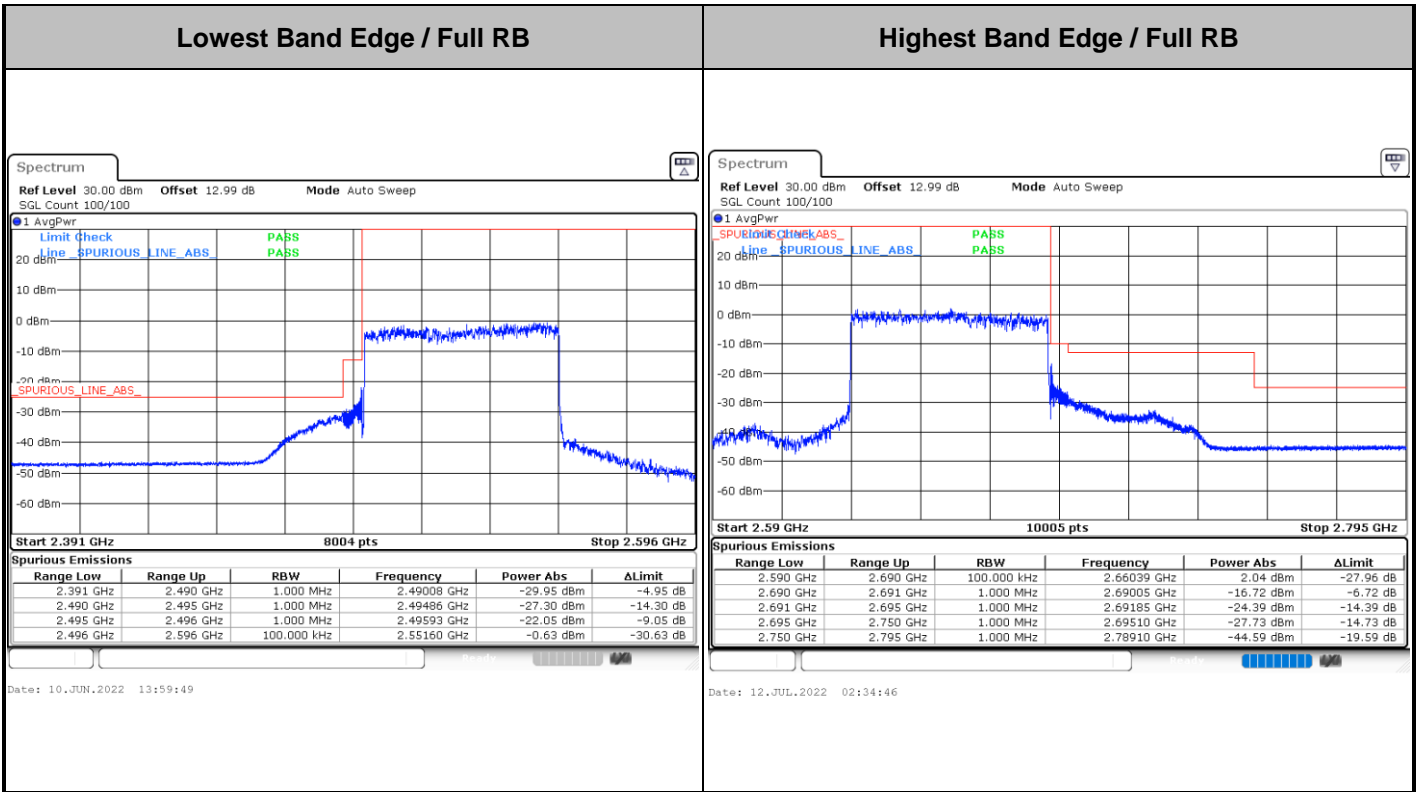
Date: 10.JUN.2022 13:51:26

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



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

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

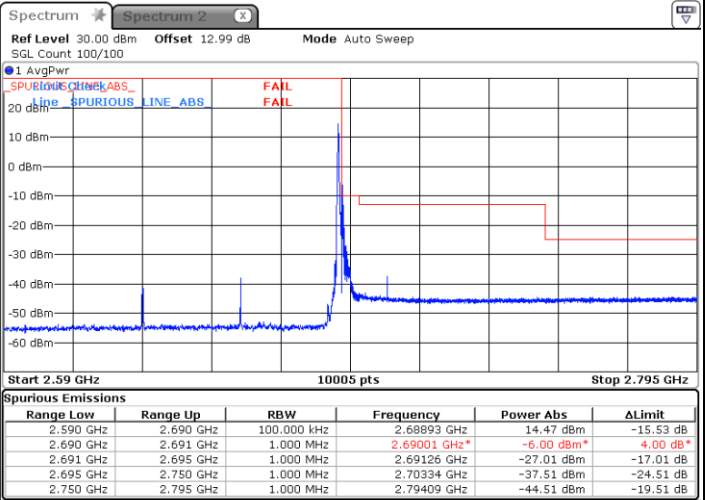
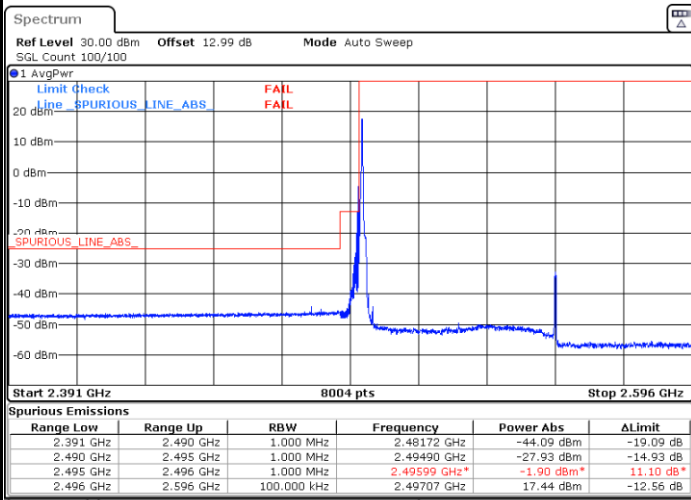




FR1 n41 / 60MHz / DFT OFDM / QPSK

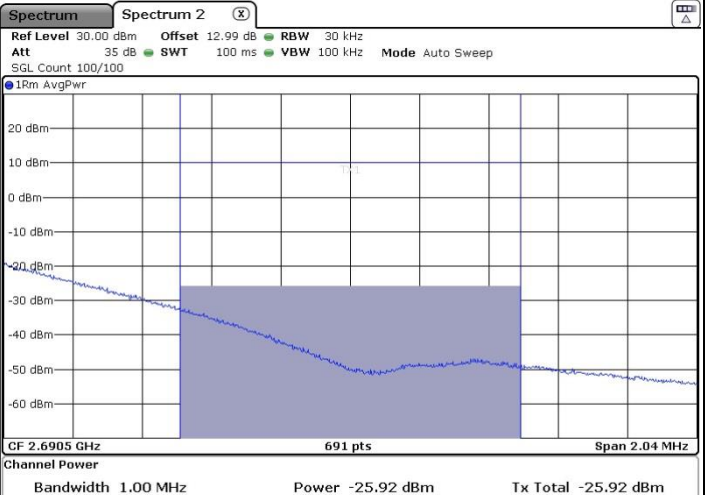
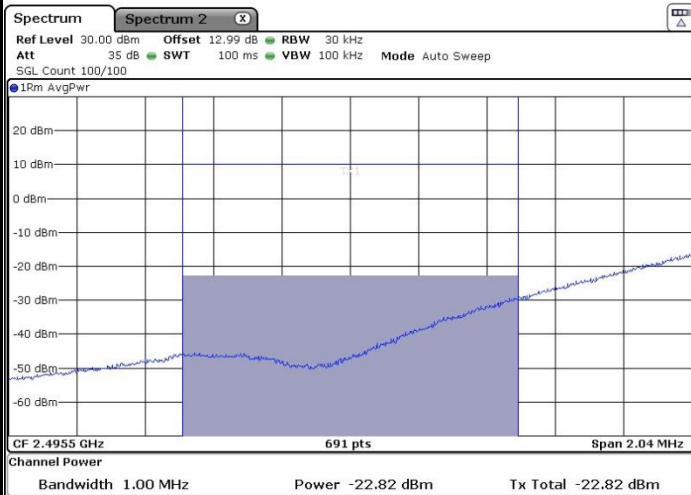
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



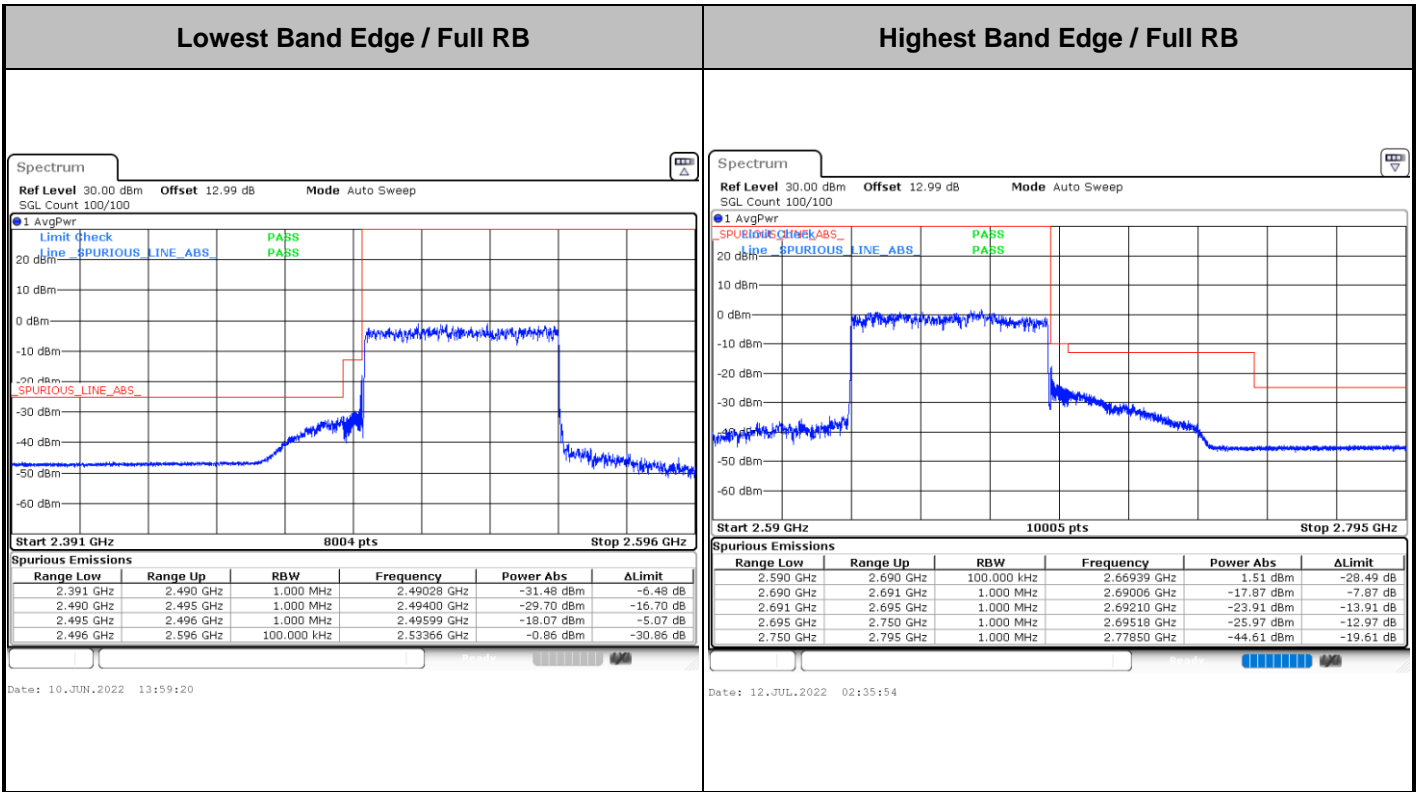
Date: 10. JUN. 2022 13:52:35

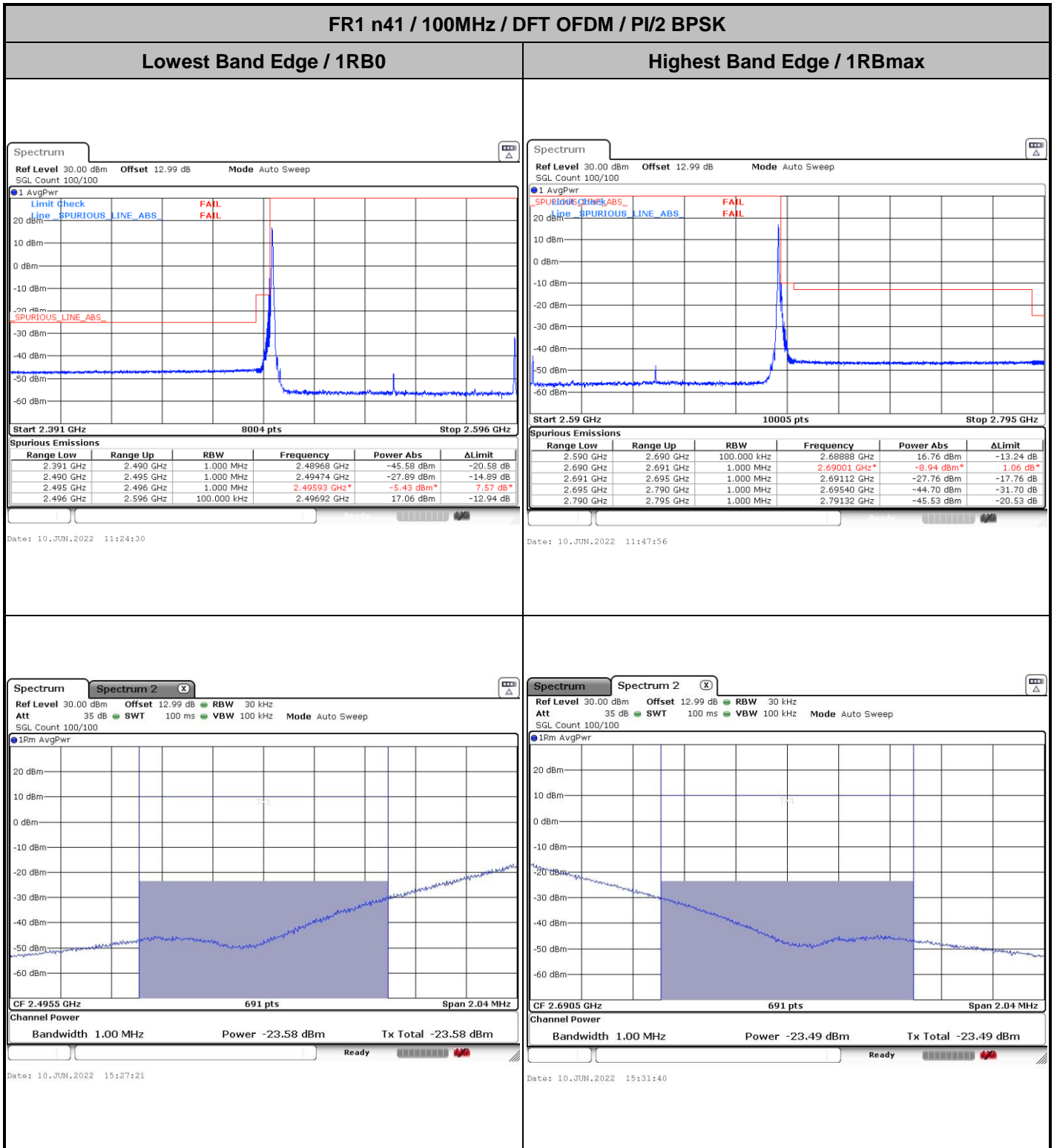
Date: 12. JUL. 2022 02:33:32

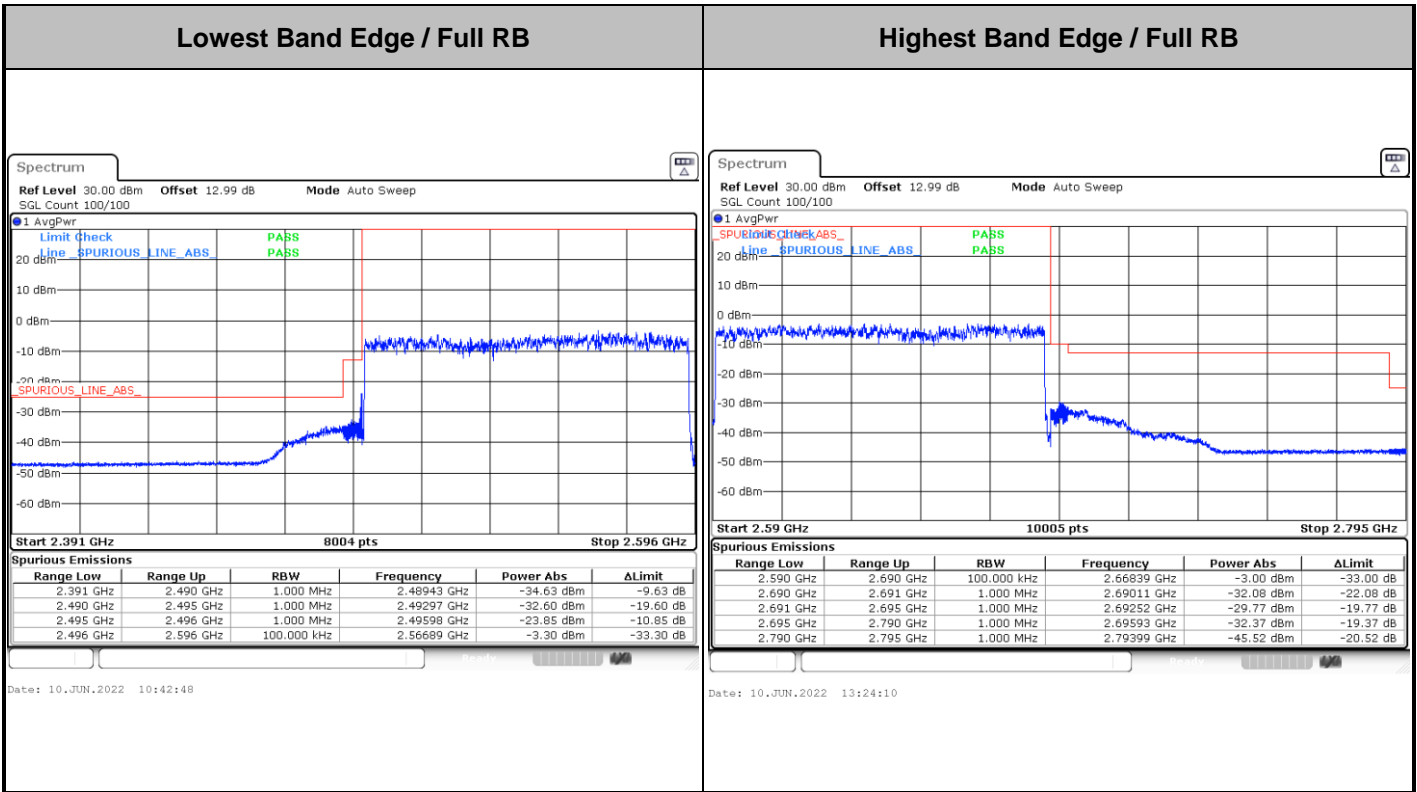


Date: 10. JUN. 2022 15:33:50

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





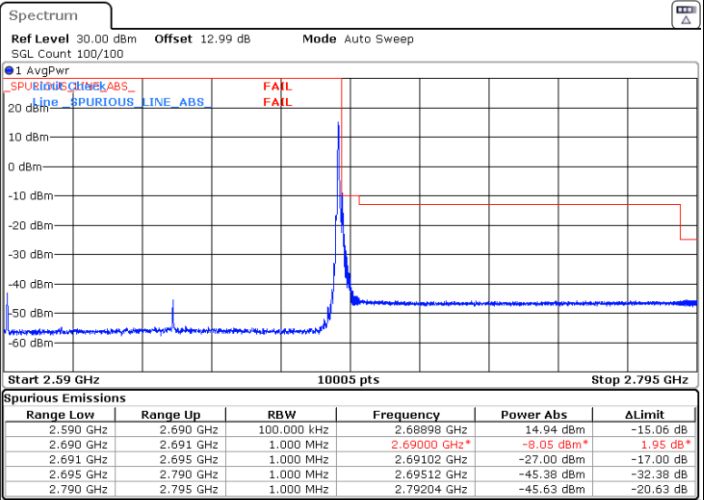
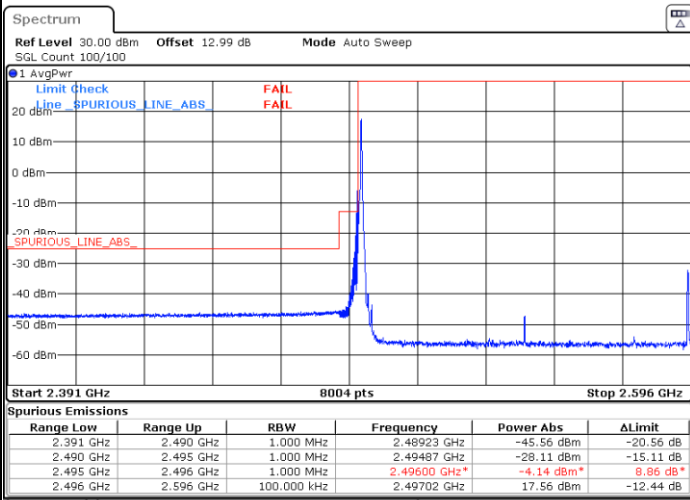




FR1 n41 / 100MHz / DFT OFDM / QPSK

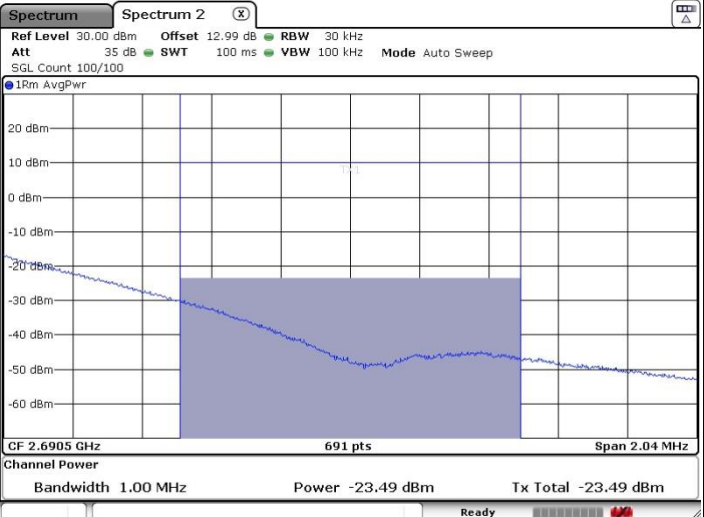
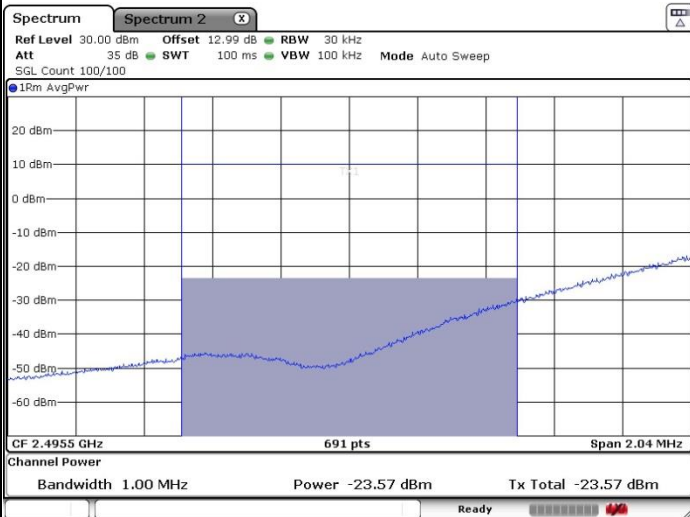
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



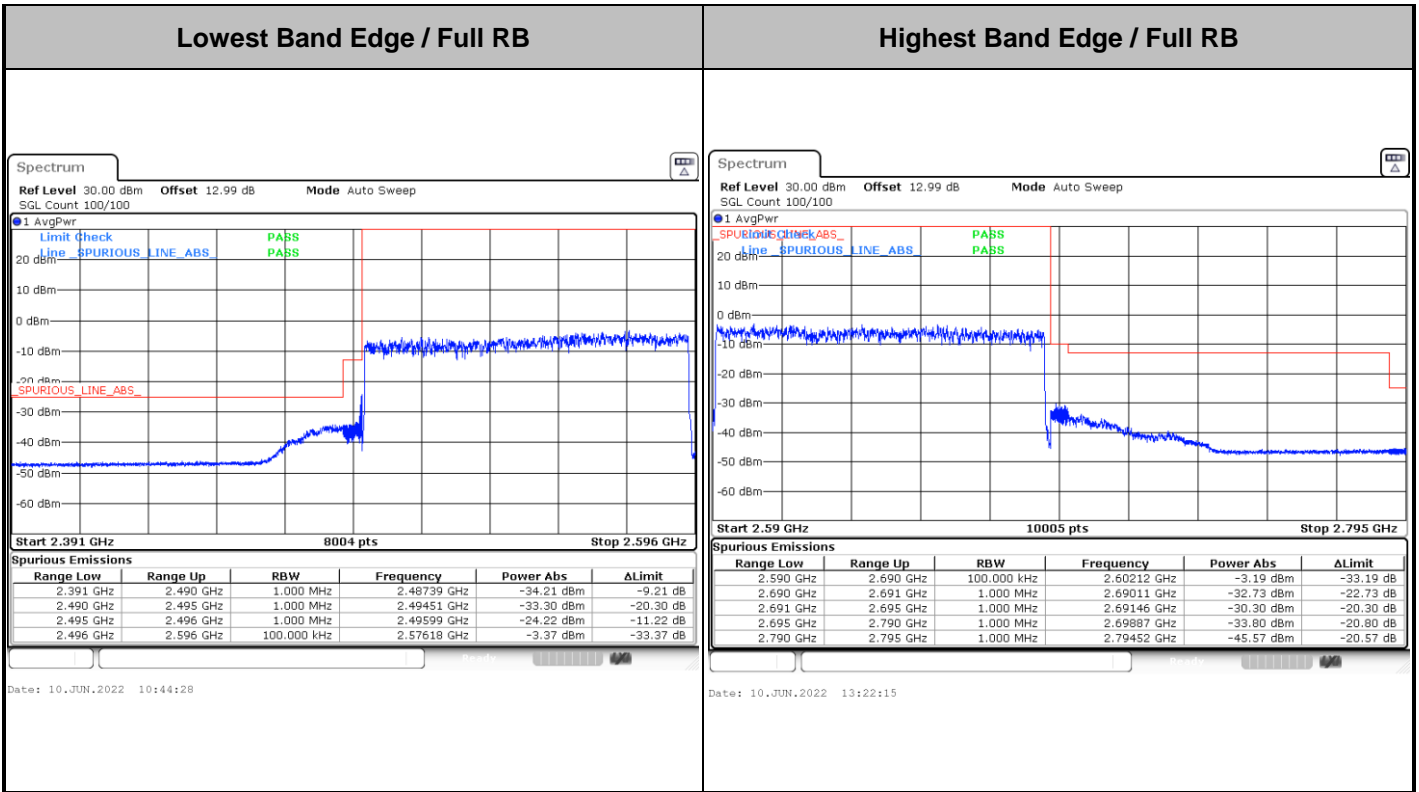
Date: 10. JUN. 2022 11:25:05

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



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

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



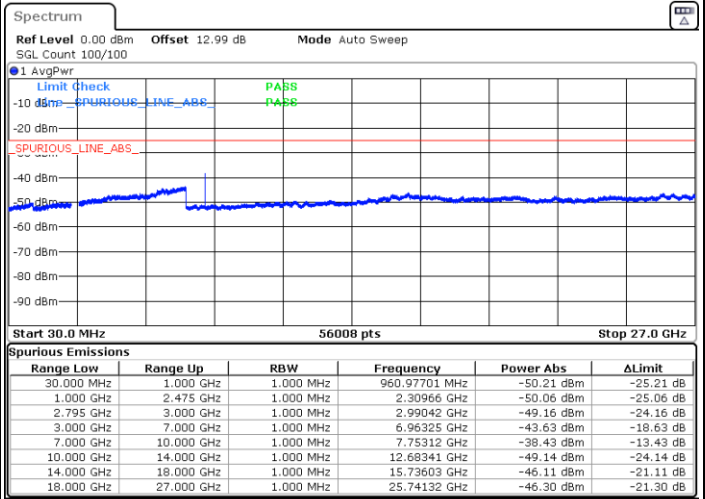
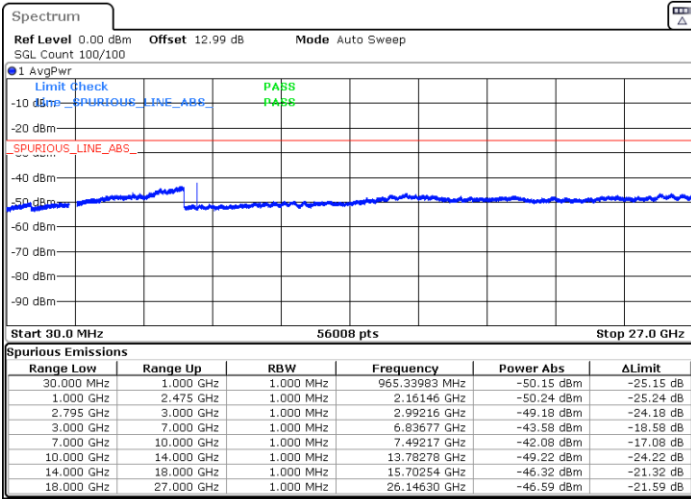


Conducted Spurious Emission

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

Lowest Channel / 1RB1

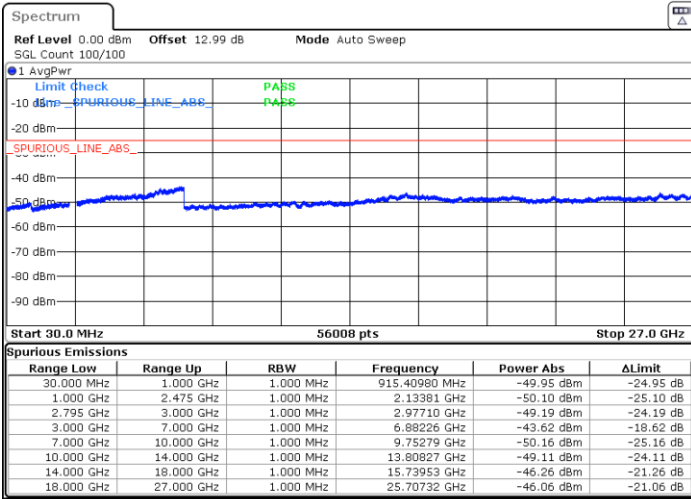
Middle Channel / 1RB1



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

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

Highest Channel / 1RB1



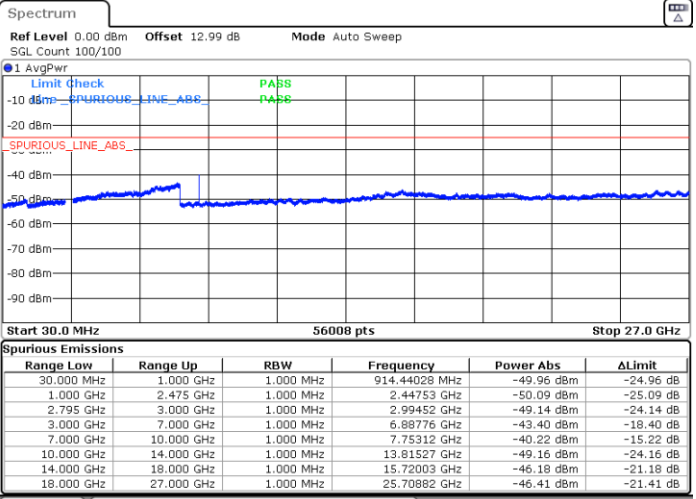
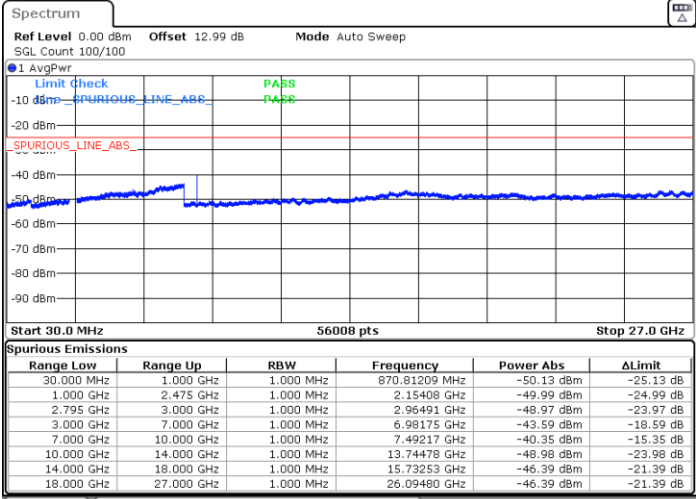
Date: 10.JUN.2022 15:11:25



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

Lowest Channel / 1RB1

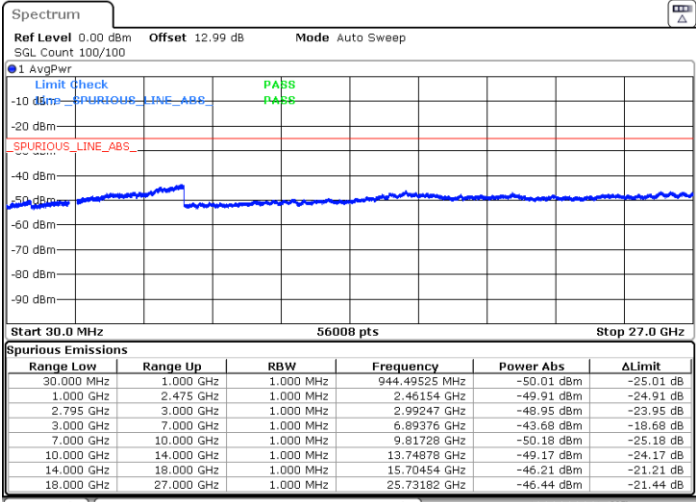
Middle Channel / 1RB1



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

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

Highest Channel / 1RB1



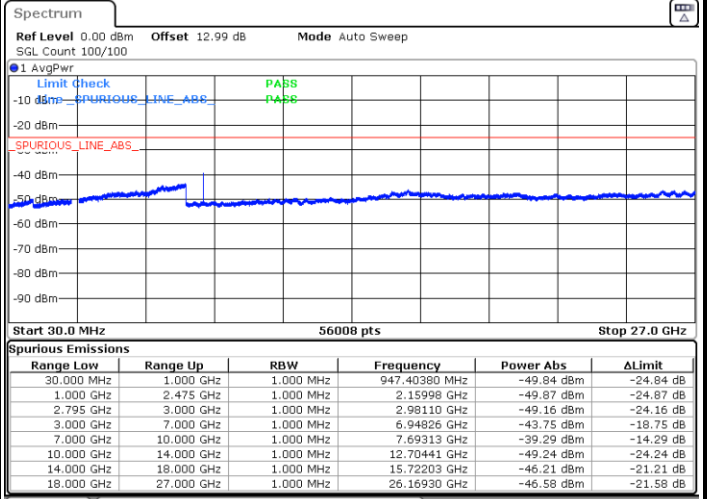
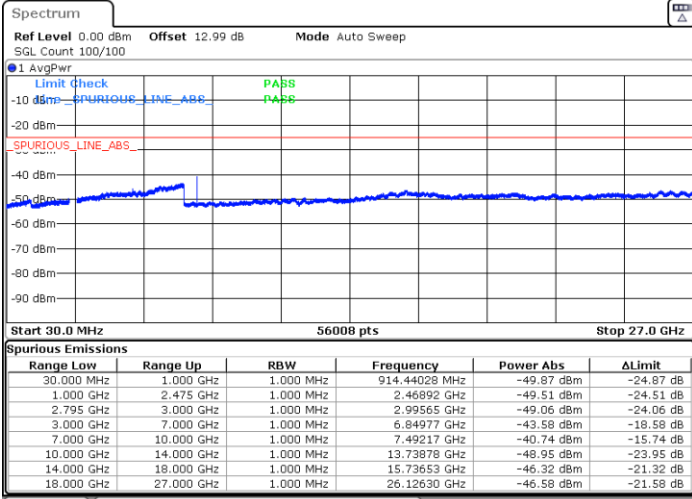
Date: 10. JUN. 2022 15:10:25



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

Lowest Channel / 1RB1

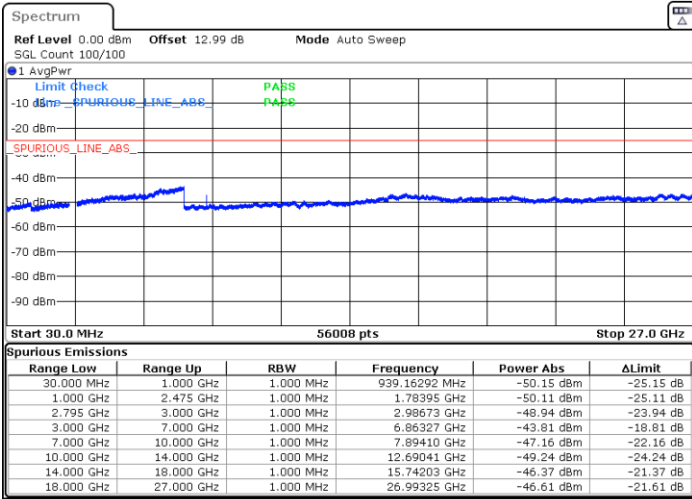
Middle Channel / 1RB1



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

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

Highest Channel / 1RB1



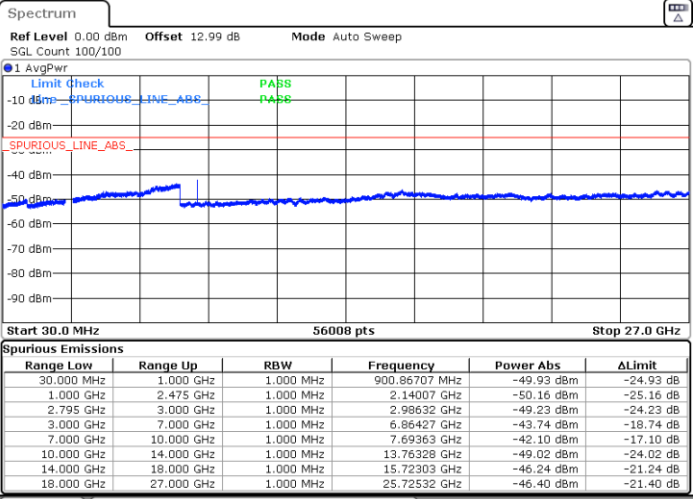
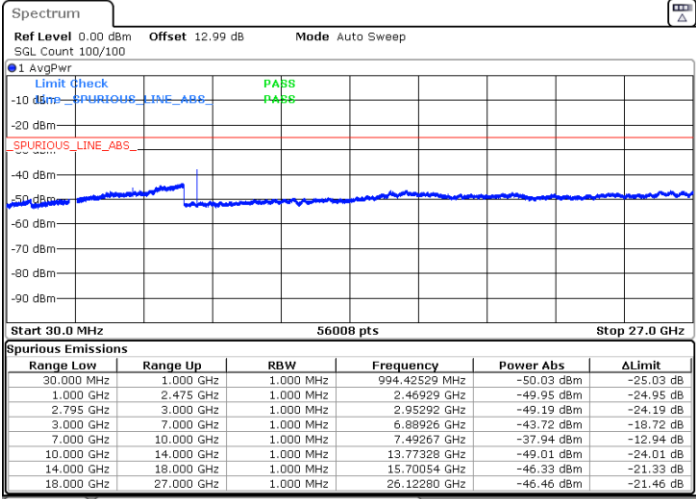
Date: 10. JUN. 2022 14:34:32



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

Lowest Channel / 1RB1

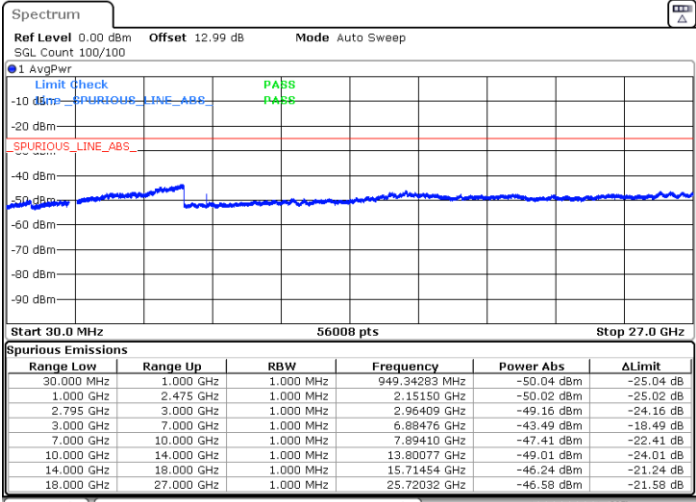
Middle Channel / 1RB1



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

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

Highest Channel / 1RB1



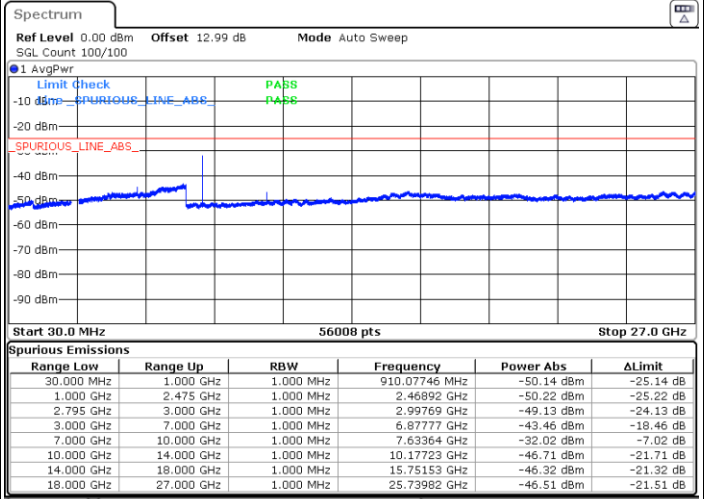
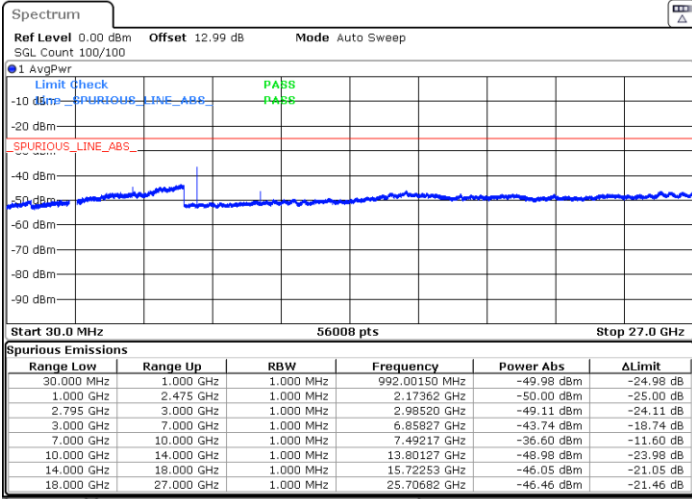
Date: 10. JUN. 2022 14:36:36



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

Lowest Channel / 1RB1

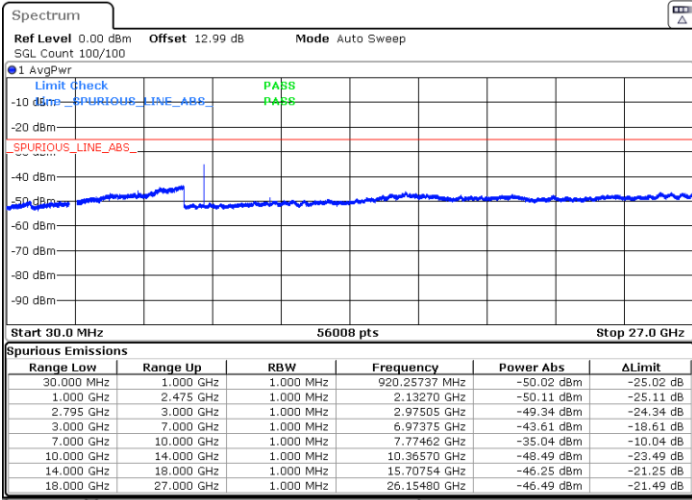
Middle Channel / 1RB1



Date: 10 JUN 2022 11:31:14

Date: 10 JUN 2022 11:38:04

Highest Channel / 1RB1



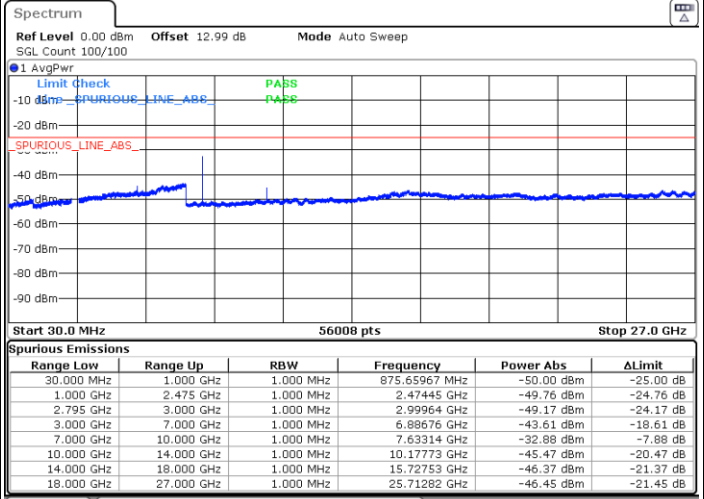
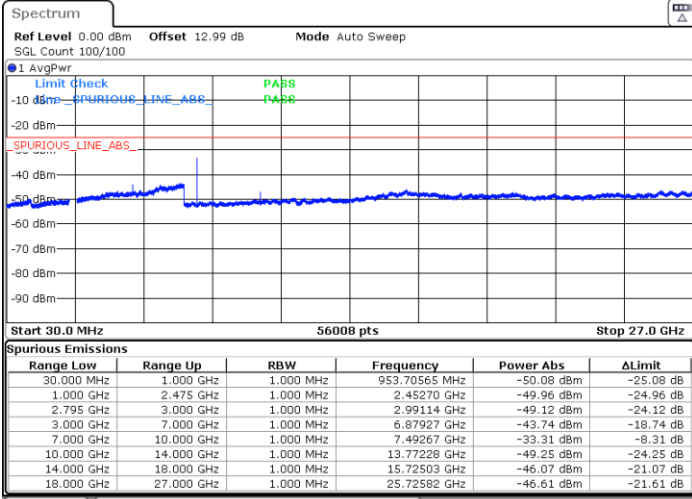
Date: 10 JUN 2022 11:46:03



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

Lowest Channel / 1RB1

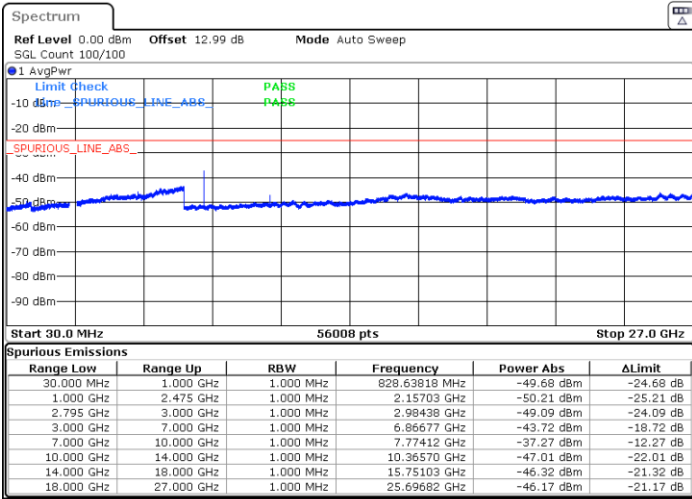
Middle Channel / 1RB1



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:

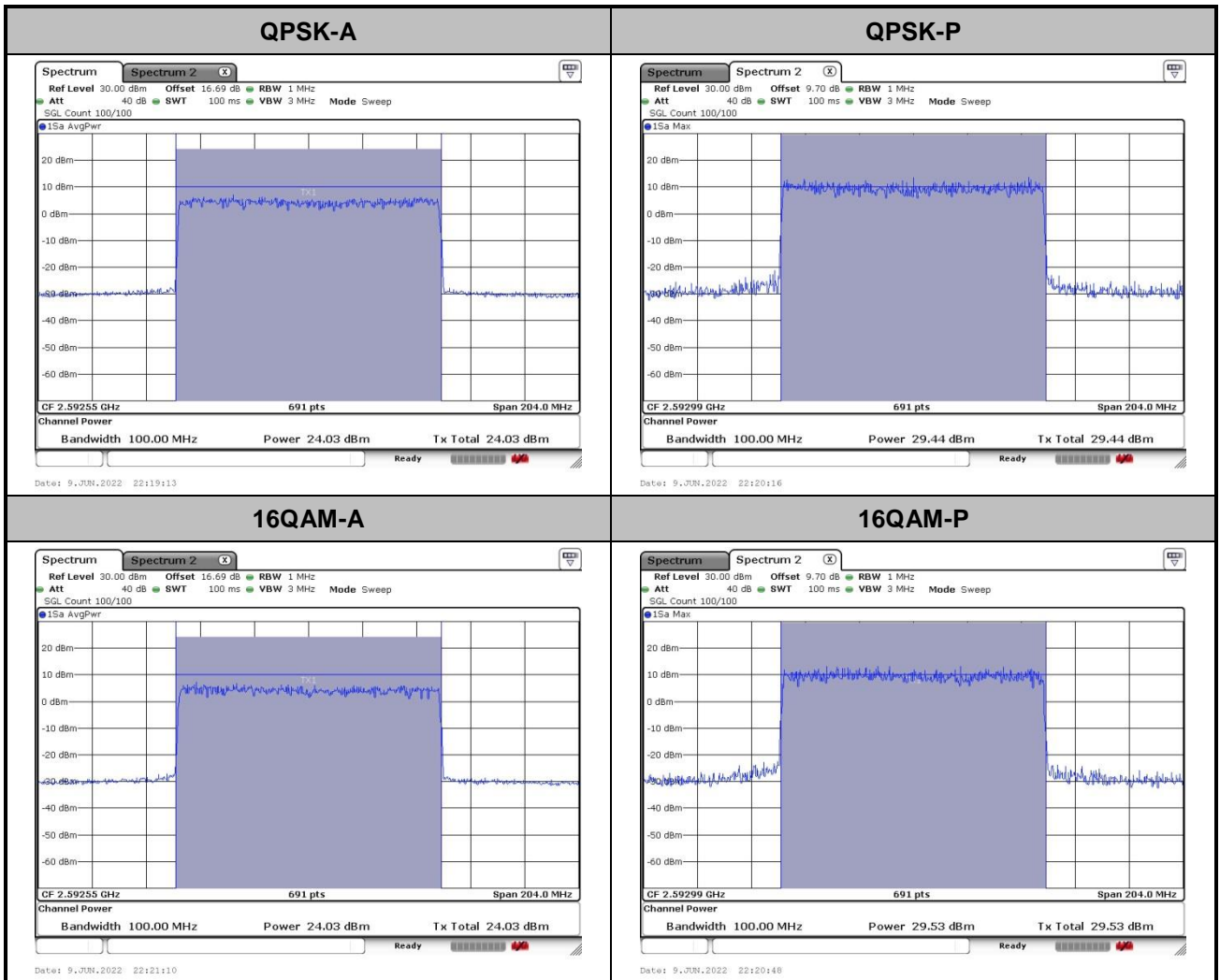
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

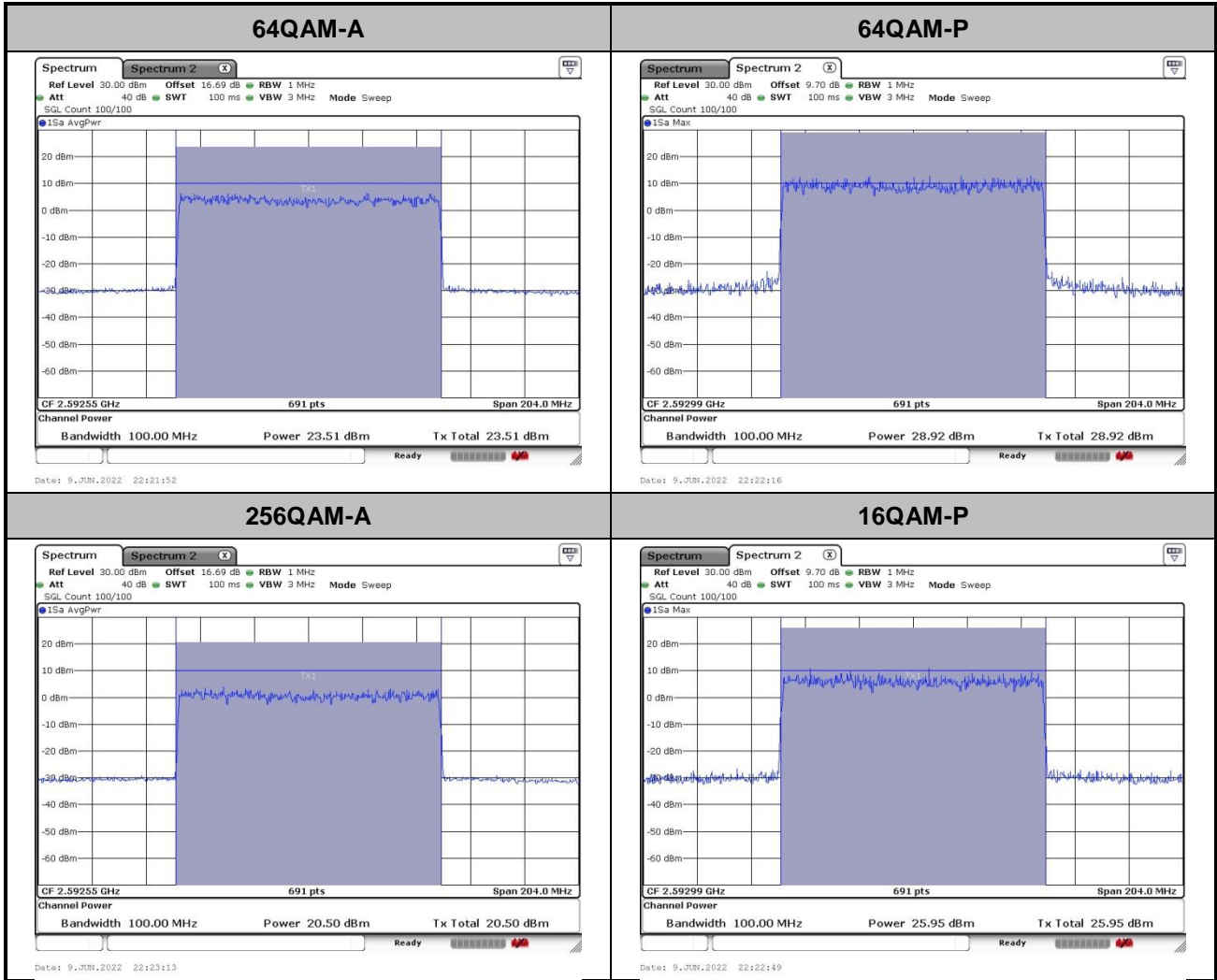


FR1 n41 UL MIMO

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







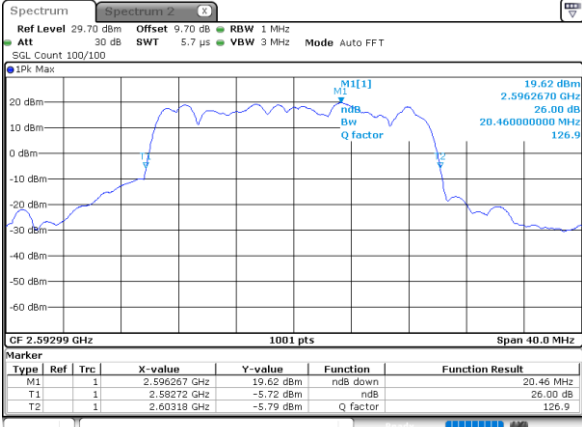
26dB Bandwidth

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



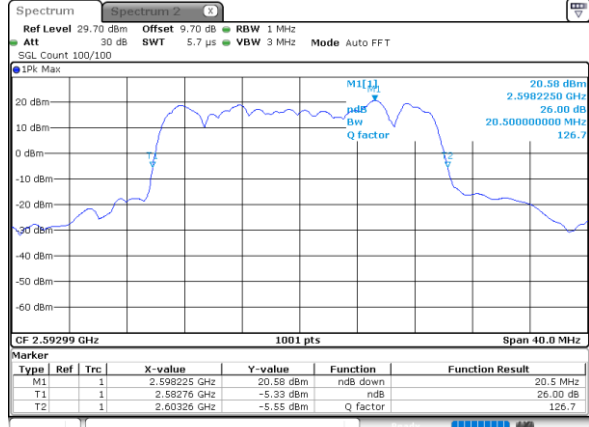
20MHz CP

QPSK



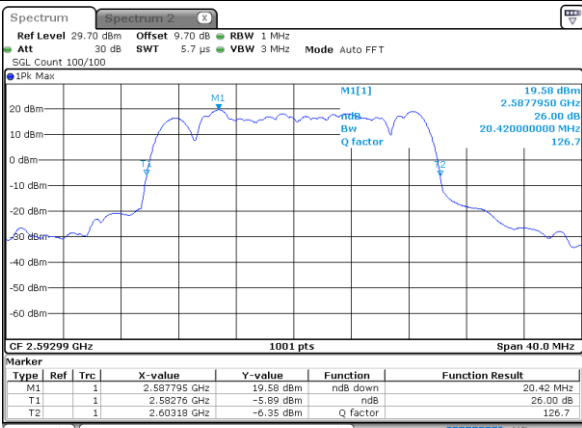
Date: 10 JUN 2022 02:27:30

16QAM



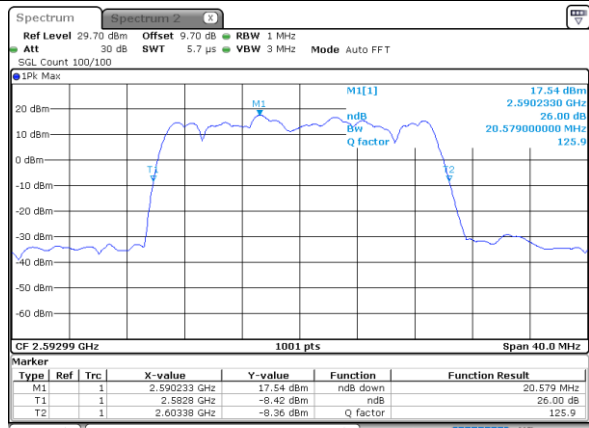
Date: 10 JUN 2022 02:20:52

64QAM



Date: 10 JUN 2022 02:20:33

256QAM

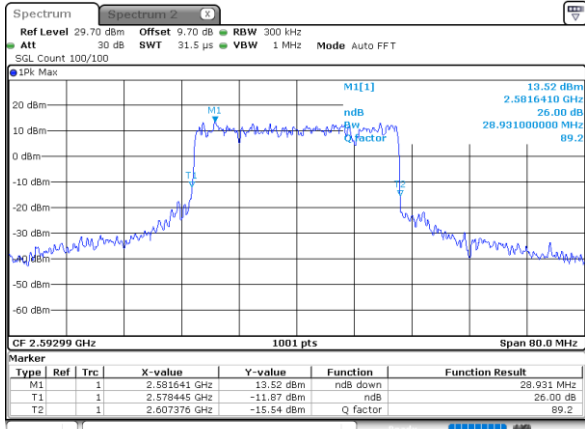


Date: 10 JUN 2022 02:20:13



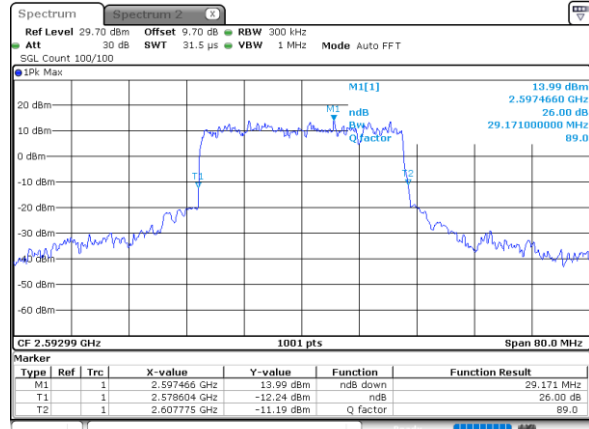
30MHz CP

QPSK



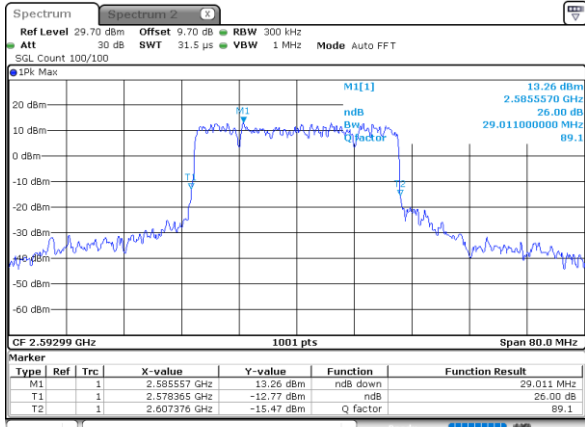
Date: 10 JUN 2022 02:18:33

16QAM



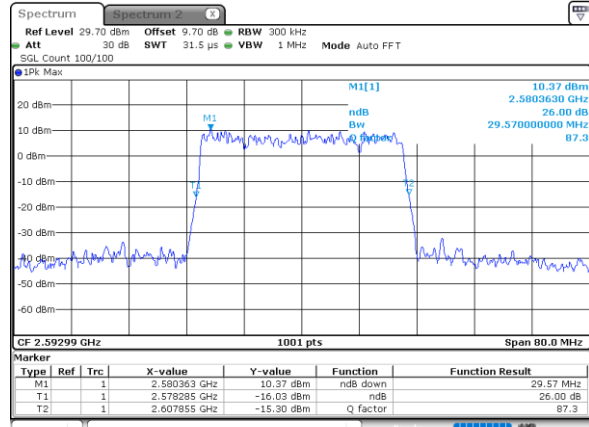
Date: 10 JUN 2022 02:18:57

64QAM



Date: 10 JUN 2022 02:19:18

256QAM

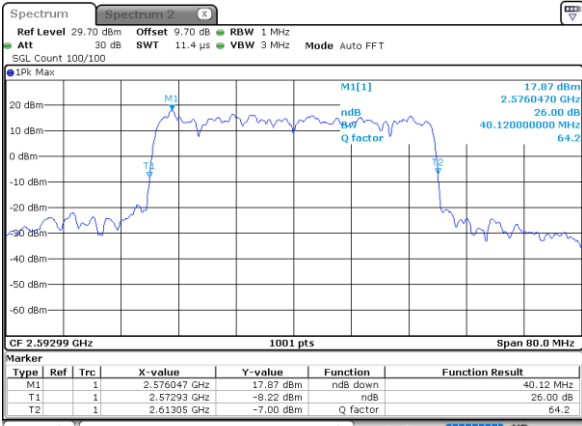


Date: 10 JUN 2022 02:19:41



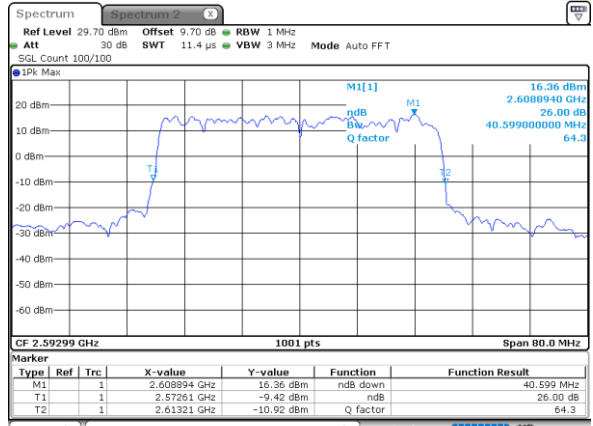
40MHz CP

QPSK



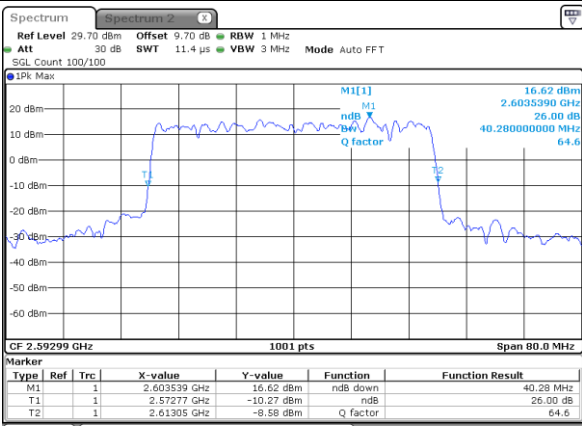
Date: 10 JUN 2022 00:36:34

16QAM



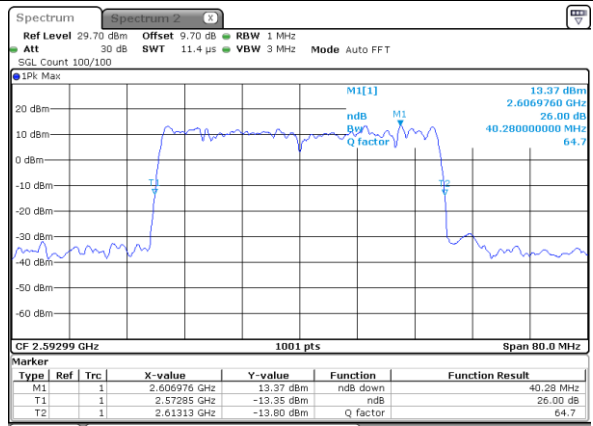
Date: 10 JUN 2022 00:50:41

64QAM



Date: 10 JUN 2022 00:51:03

256QAM

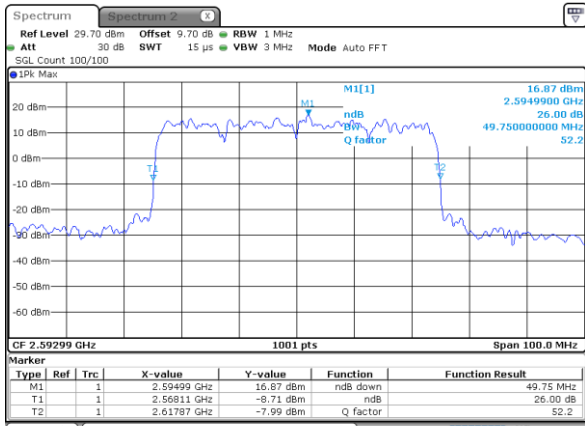


Date: 10 JUN 2022 00:51:42



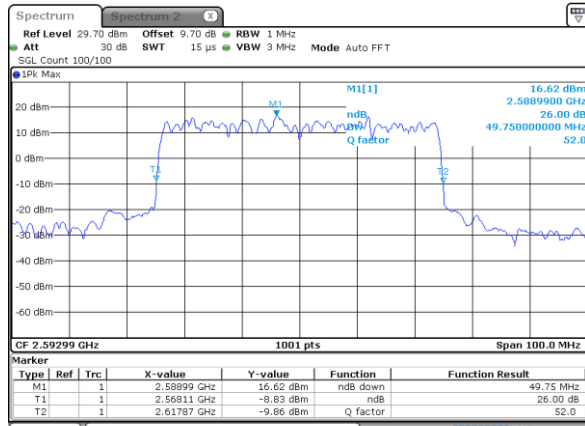
50MHz CP

QPSK



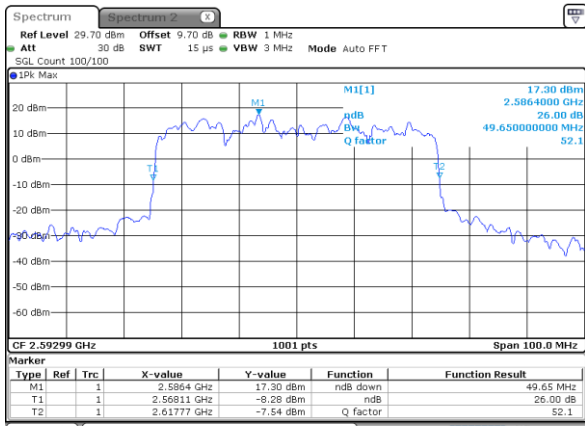
Date: 10_JUN_2022 00:13:51

16QAM



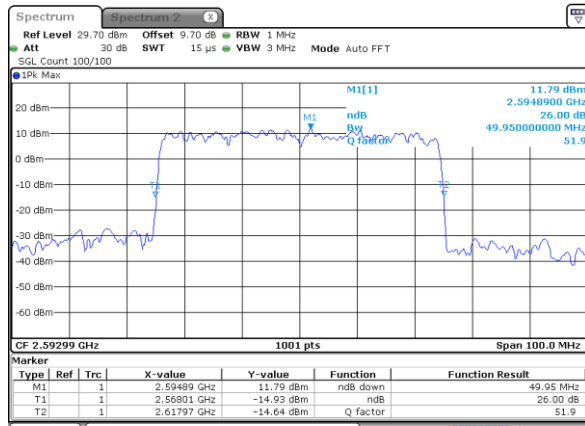
Date: 10_JUN_2022 00:13:21

64QAM



Date: 10_JUN_2022 00:13:52

256QAM

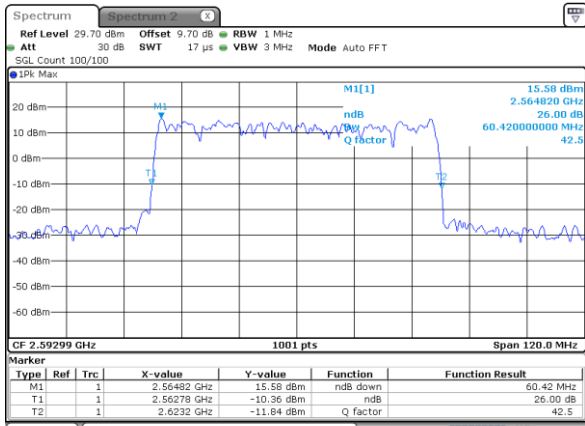


Date: 10_JUN_2022 00:13:20



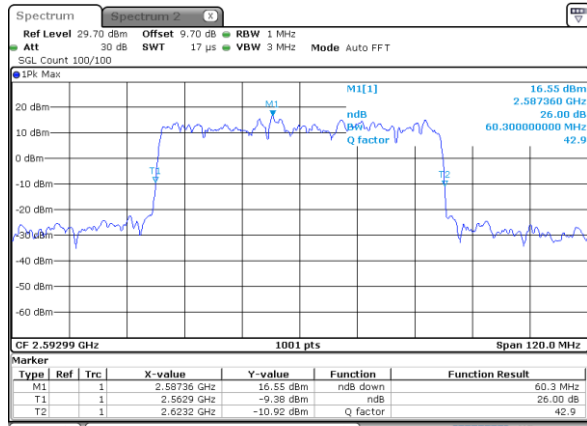
60MHz CP

QPSK



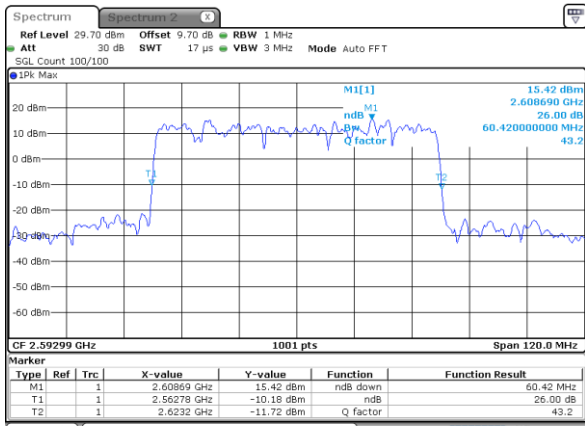
Date: 10_JUN_2022 00:06:40

16QAM



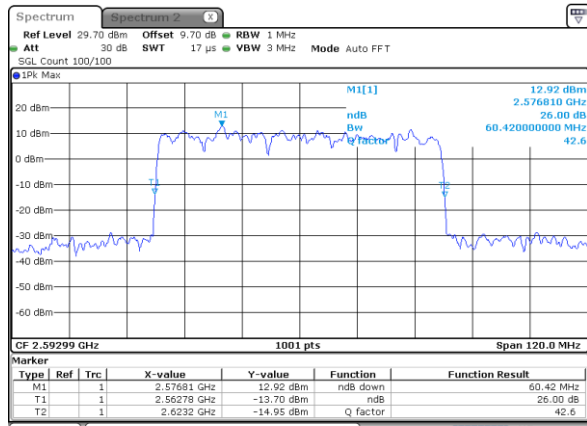
Date: 10_JUN_2022 00:07:05

64QAM



Date: 10_JUN_2022 00:07:36

256QAM

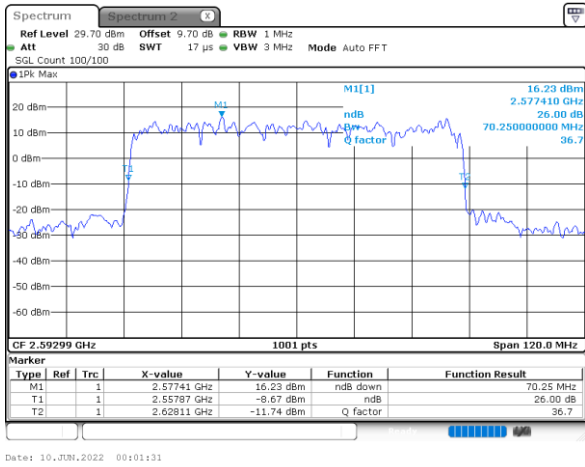


Date: 10_JUN_2022 00:08:20



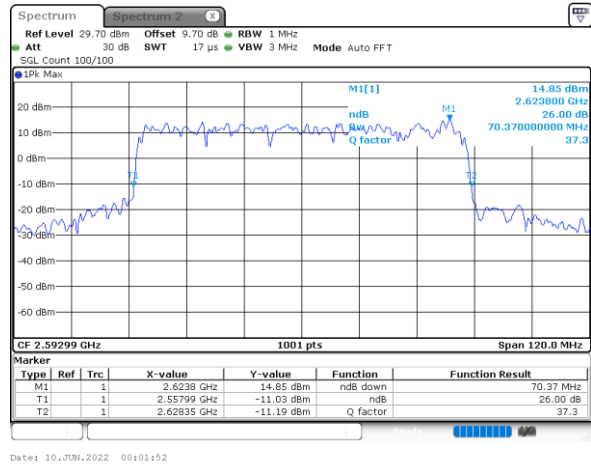
70MHz CP

QPSK



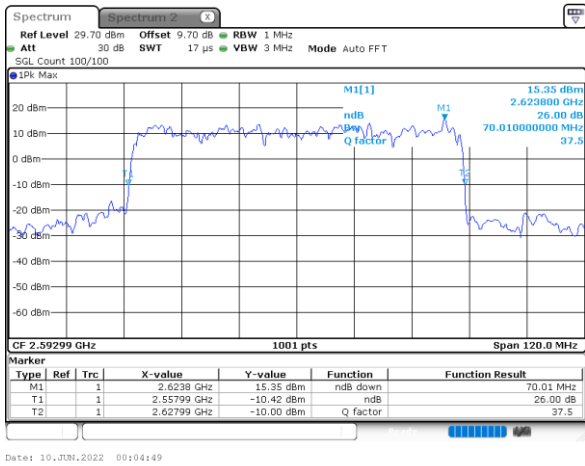
Date: 10_JUN_2022 00:01:31

16QAM



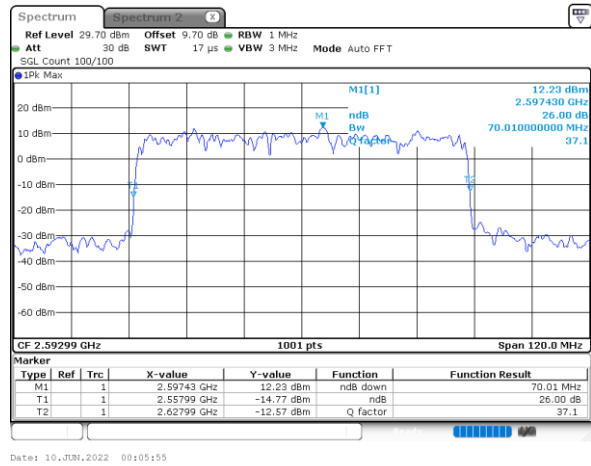
Date: 10_JUN_2022 00:01:52

16QAM



Date: 10_JUN_2022 00:04:49

64QAM

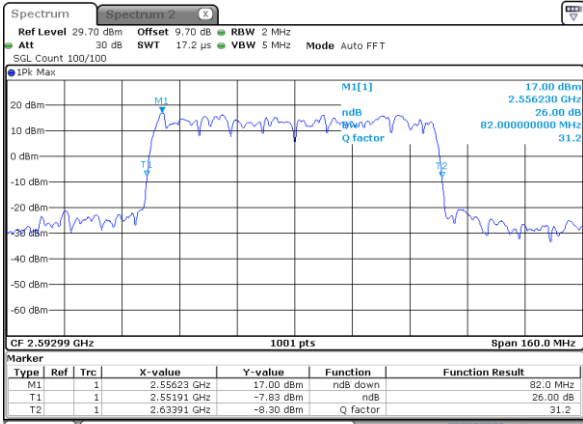


Date: 10_JUN_2022 00:05:55



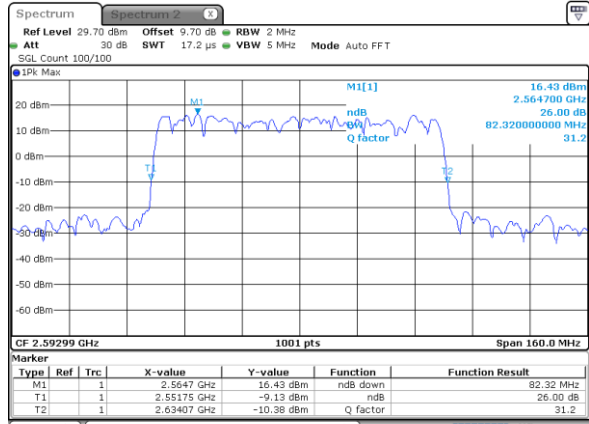
80MHz CP

QPSK



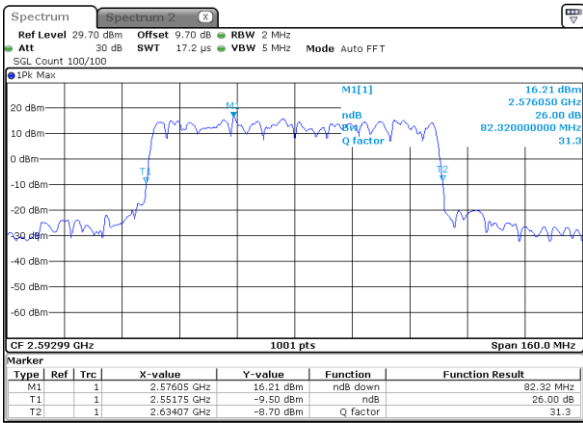
Date: 9 JUN 2022 23:09:53

16QAM



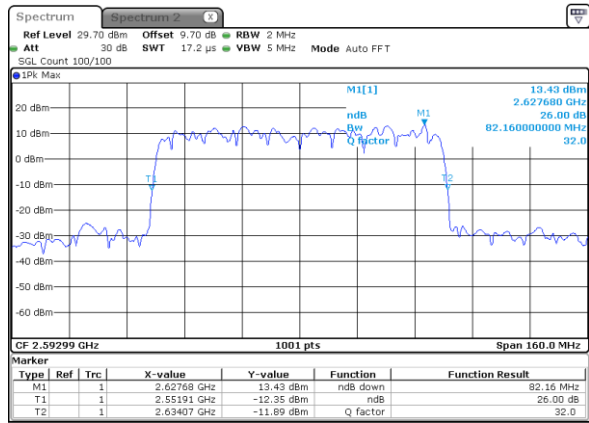
Date: 9 JUN 2022 23:13:17

64QAM



Date: 9 JUN 2022 23:14:08

256QAM

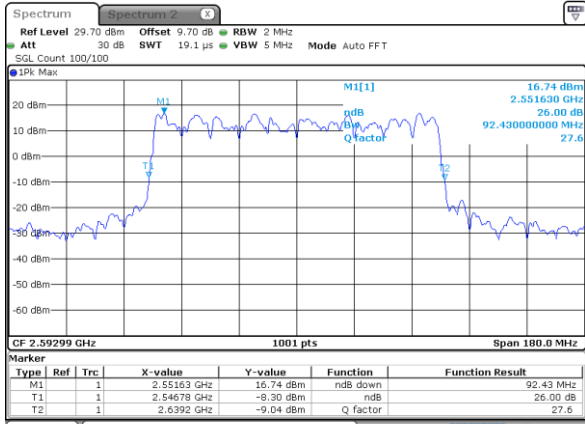


Date: 9 JUN 2022 23:16:31



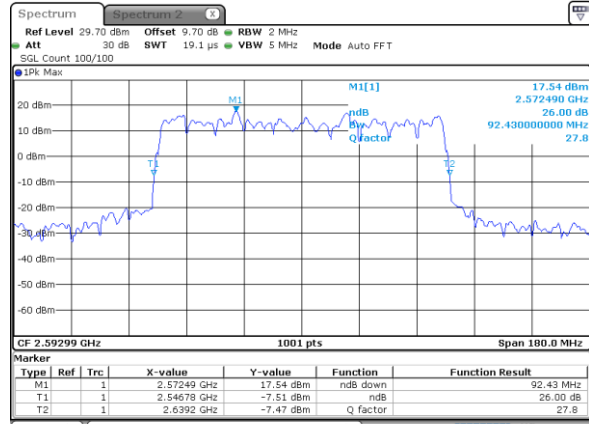
90MHz CP

QPSK



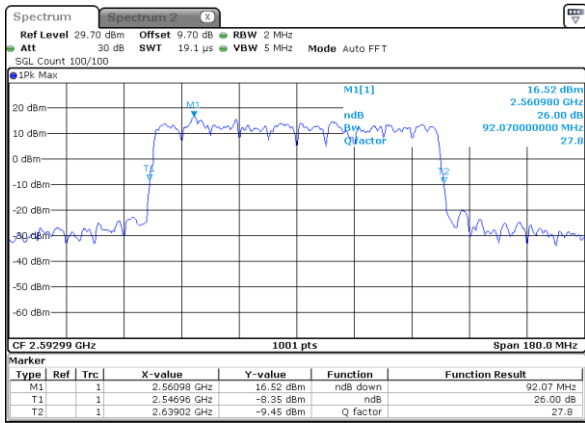
Date: 9 JUN 2022 23:00:11

16QAM



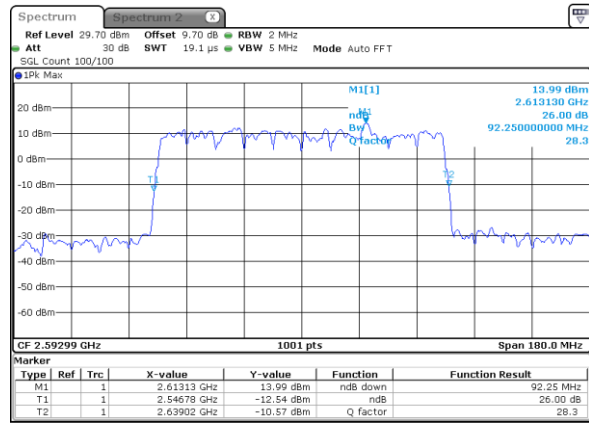
Date: 9 JUN 2022 23:04:12

64QAM



Date: 9 JUN 2022 23:05:40

256QAM

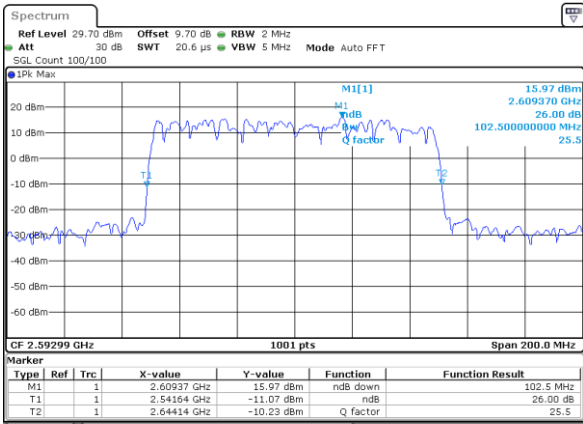


Date: 9 JUN 2022 23:06:03



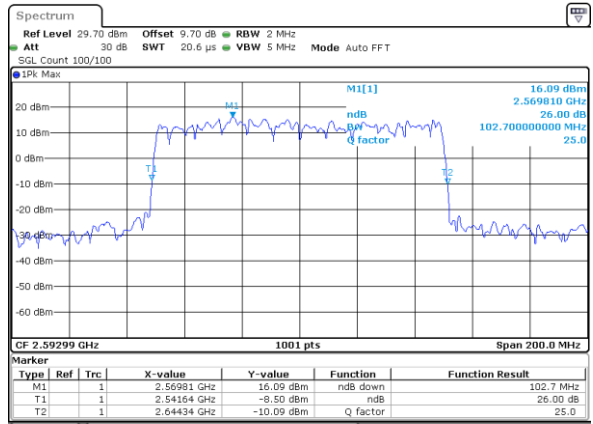
100MHz CP

16QAM



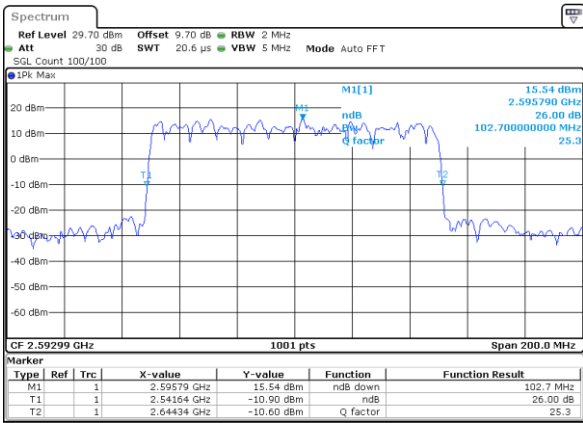
Date: 9 JUN 2022 22:07:21

QPSK



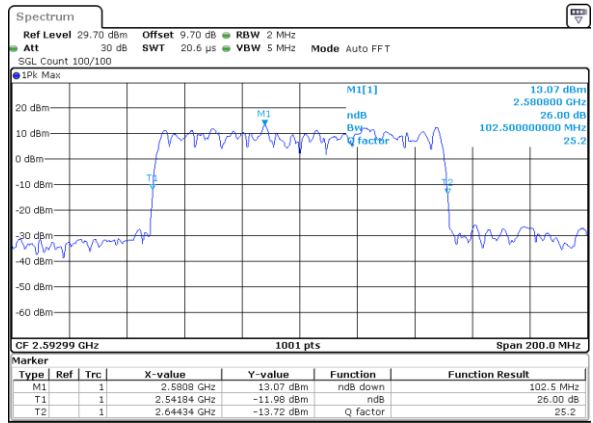
Date: 9 JUN 2022 22:07:42

64QAM



Date: 9 JUN 2022 22:08:04

256QAM



Date: 9 JUN 2022 22:08:38



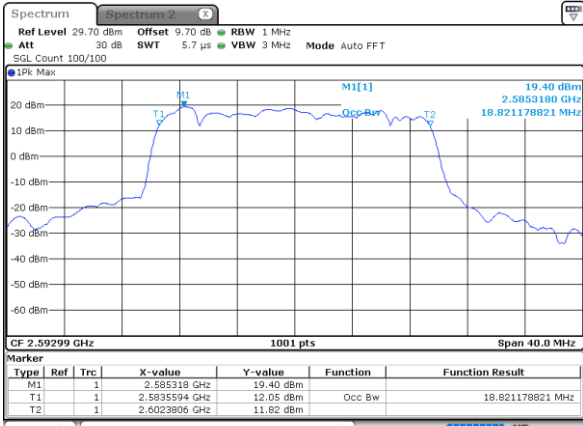
Occupied Bandwidth

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



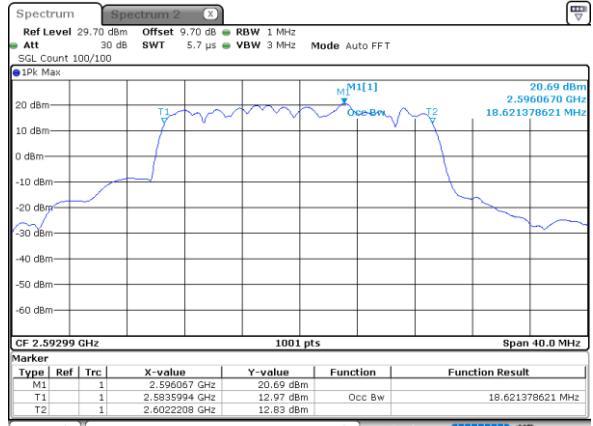
20MHz CP

QPSK



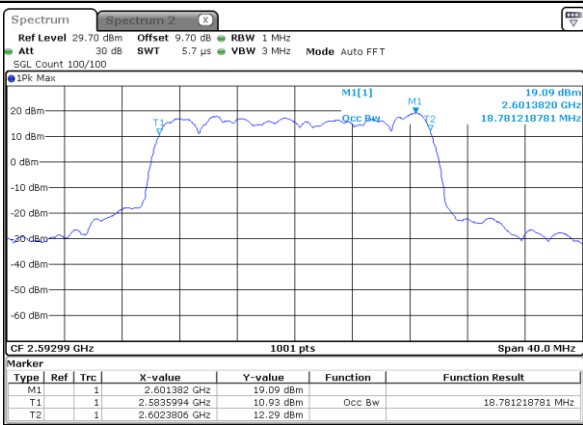
Date: 10 JUN 2022 02:21:03

16QAM



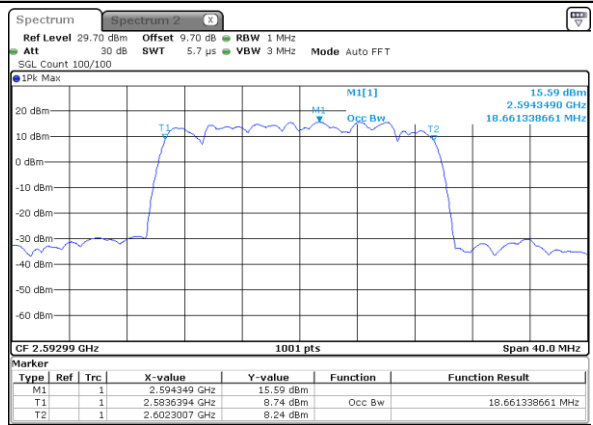
Date: 10 JUN 2022 02:20:45

64QAM



Date: 10 JUN 2022 02:20:26

256QAM

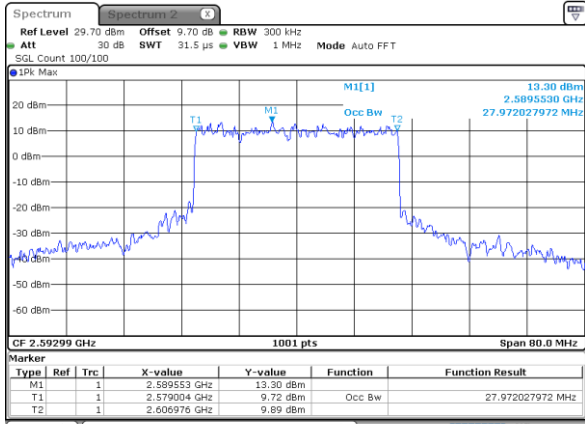


Date: 10 JUN 2022 02:20:06

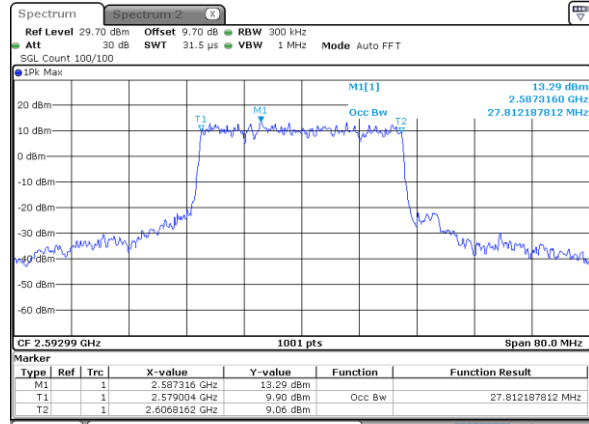


30MHz CP

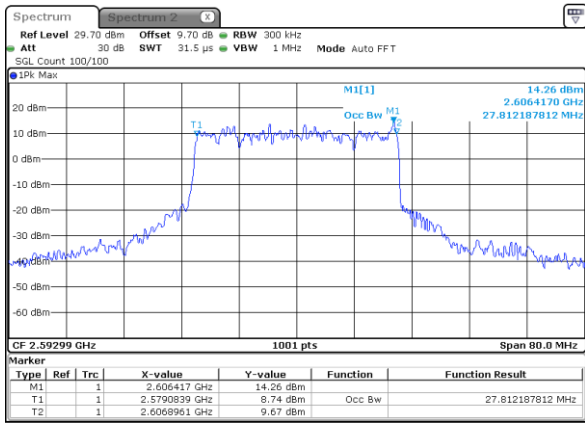
QPSK



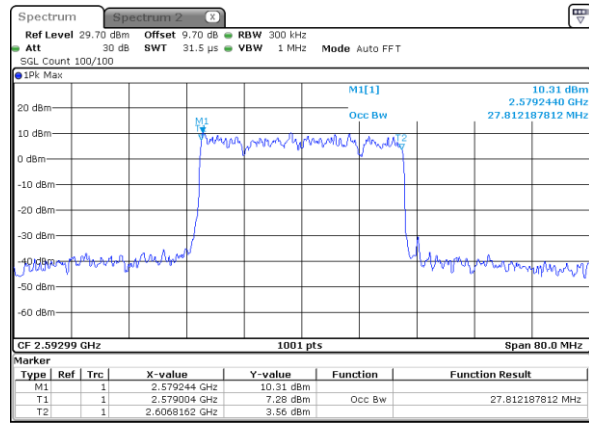
16QAM



64QAM



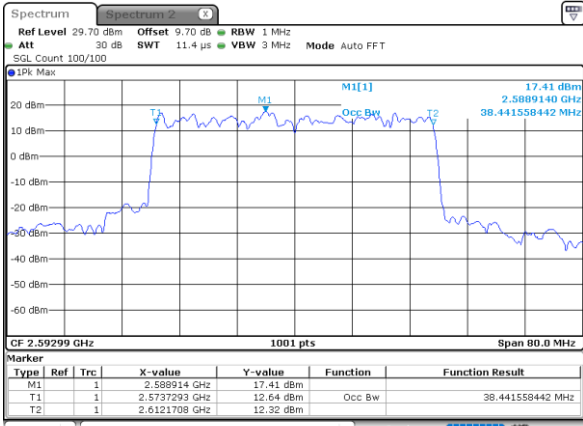
256QAM





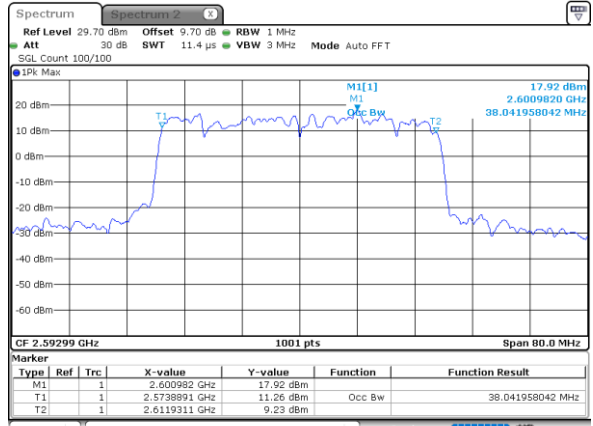
40MHz CP

QPSK



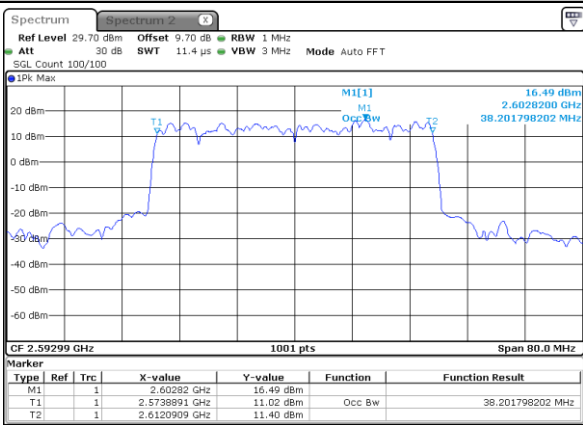
Date: 10 JUN 2022 00:36:21

16QAM



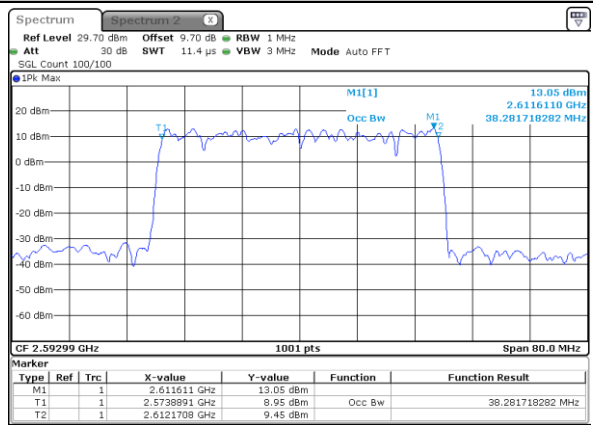
Date: 10 JUN 2022 00:50:16

64QAM



Date: 10 JUN 2022 00:50:54

256QAM



Date: 10 JUN 2022 00:51:31