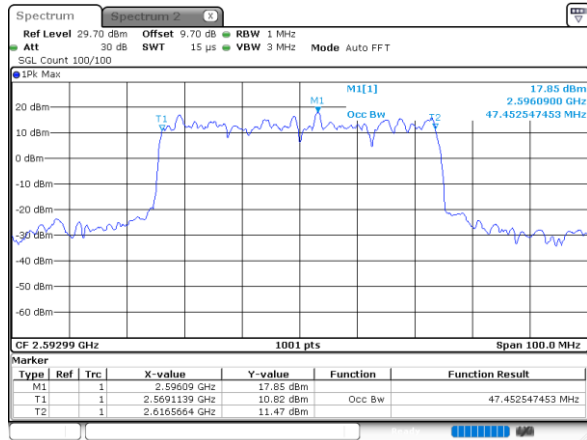


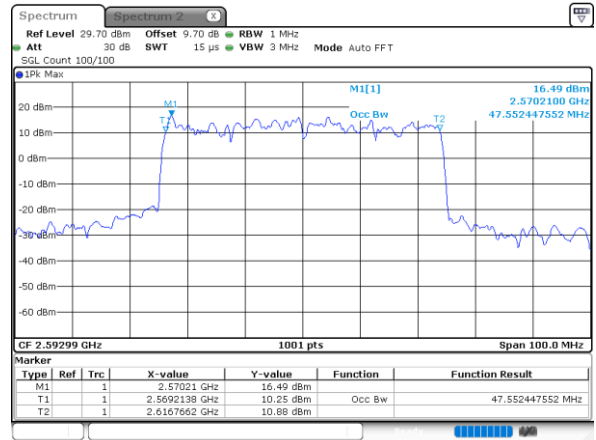


50MHz CP

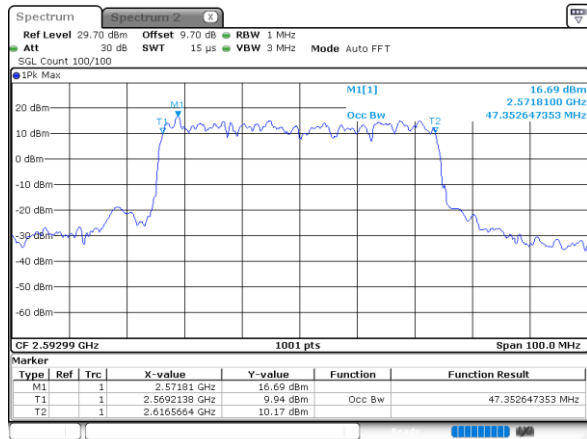
QPSK



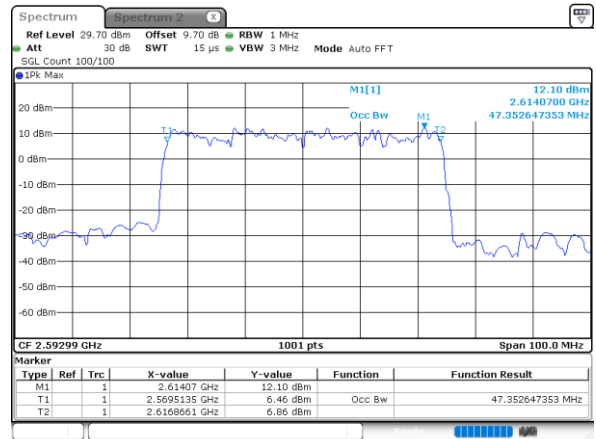
16QAM



64QAM



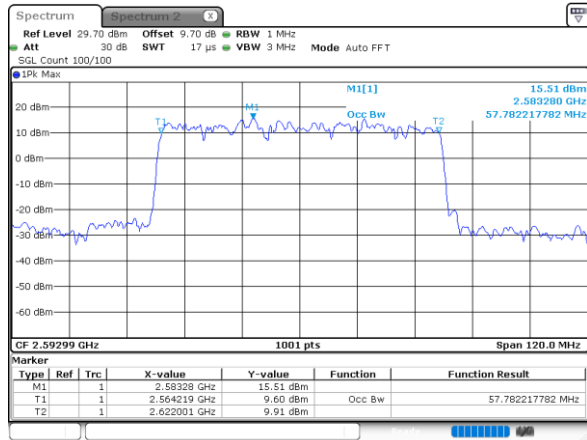
256QAM



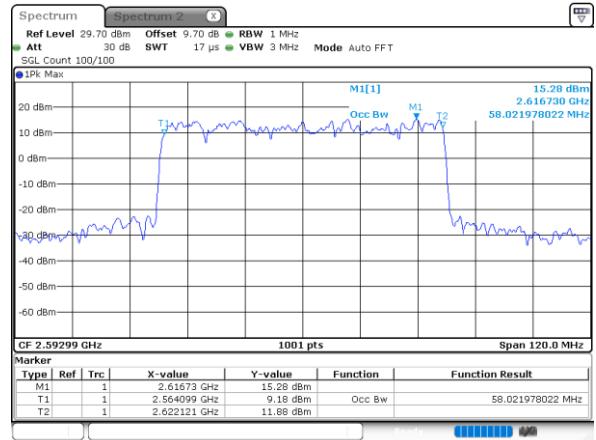


60MHz CP

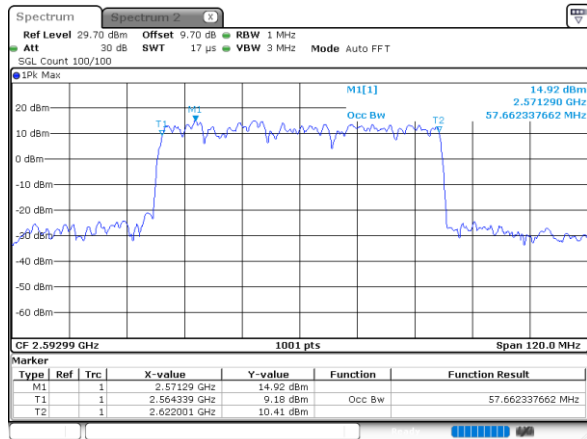
QPSK



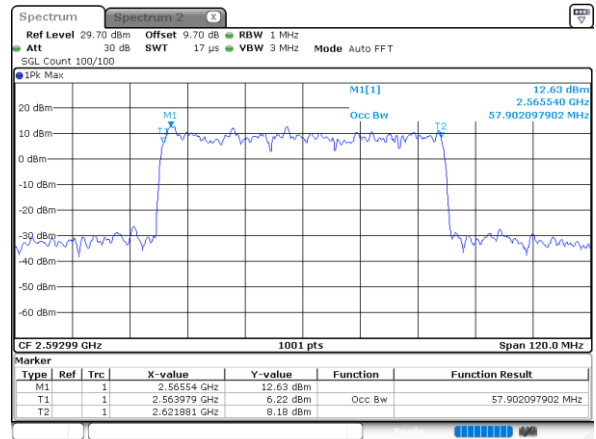
16QAM



64QAM



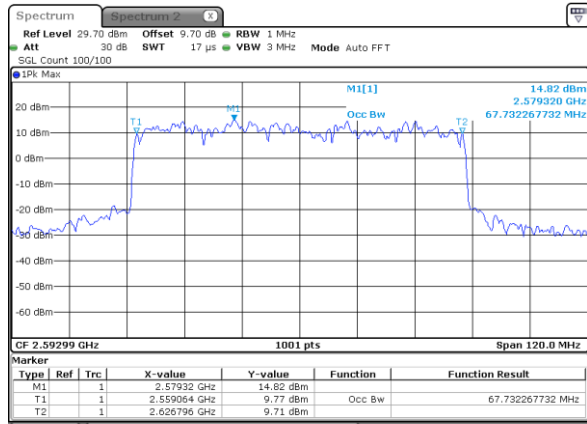
256QAM





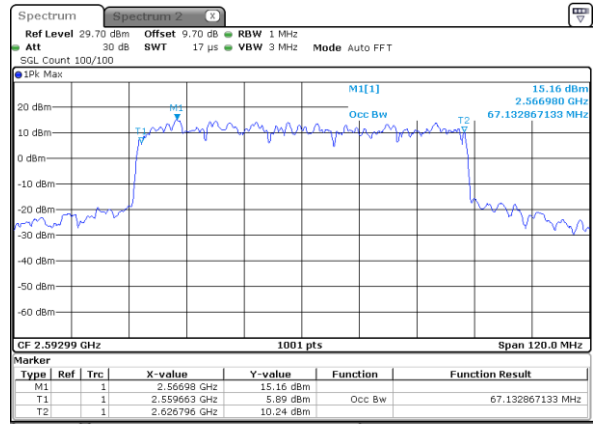
70MHz CP

QPSK



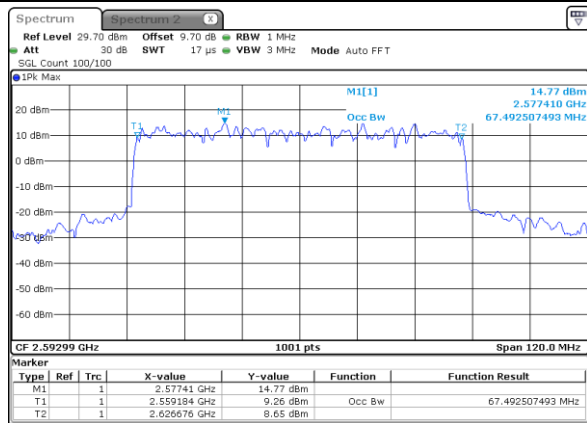
Date: 10 JUN, 2022 00:01:23

16QAM



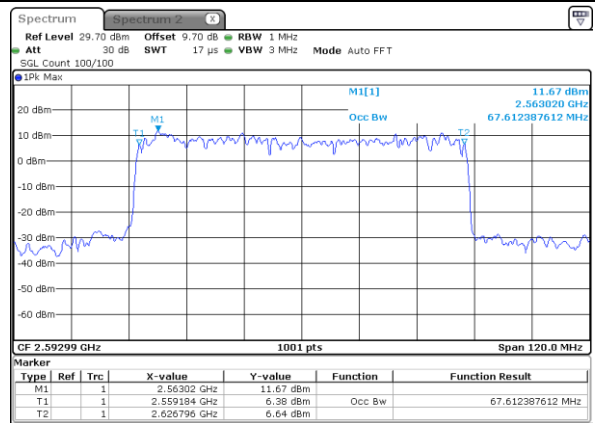
Date: 10 JUN, 2022 00:01:44

16QAM



Date: 10 JUN, 2022 00:02:06

64QAM

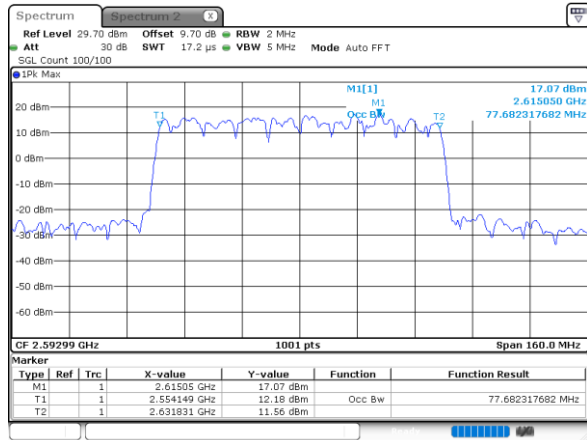


Date: 10 JUN, 2022 00:05:46

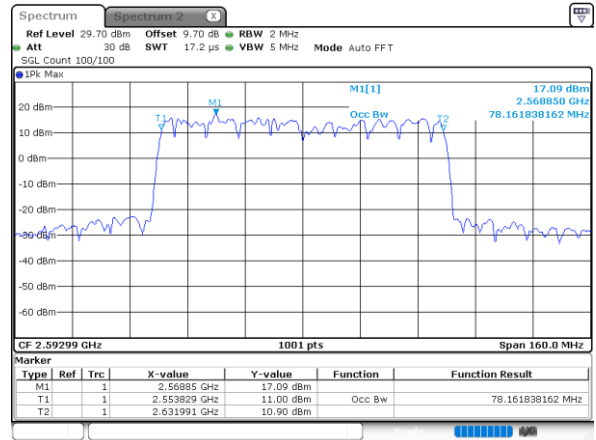


80MHz CP

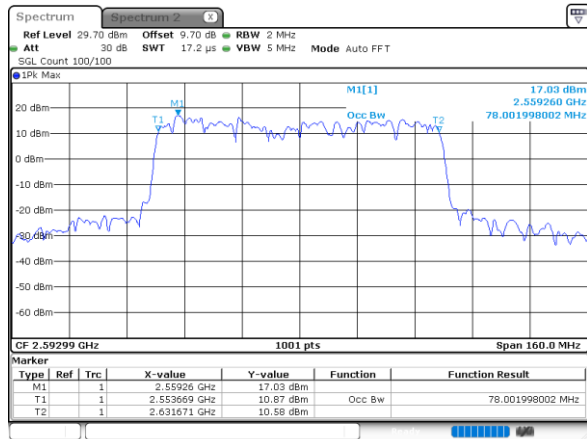
QPSK



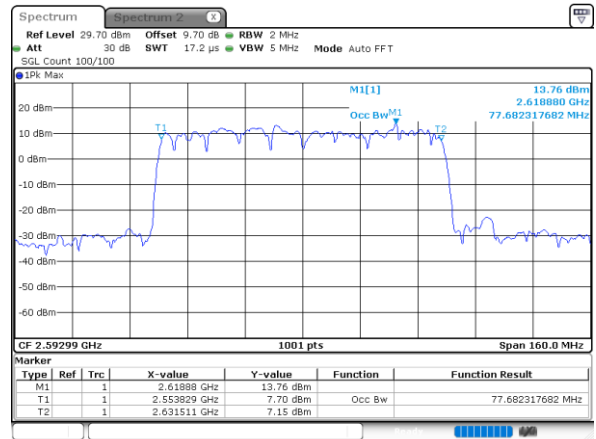
16QAM



64QAM



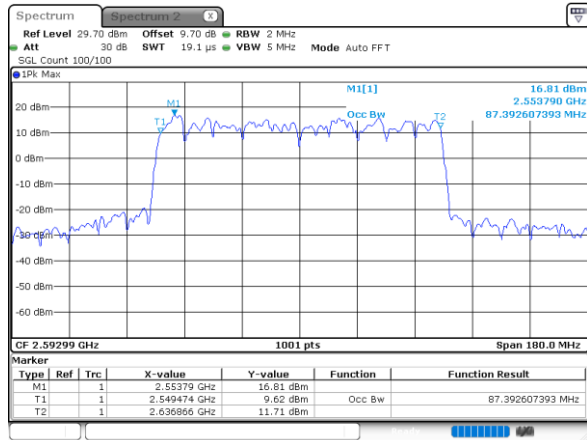
256QAM



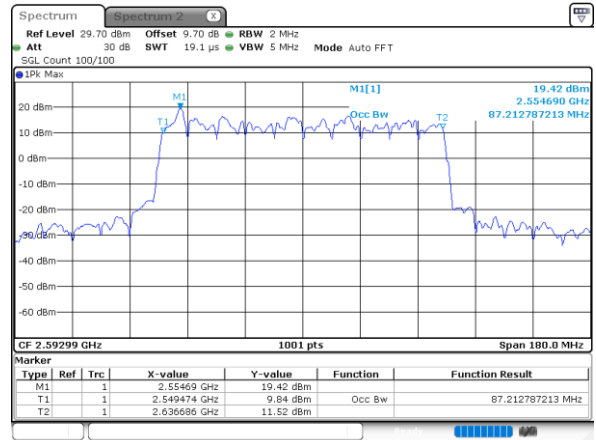


90MHz CP

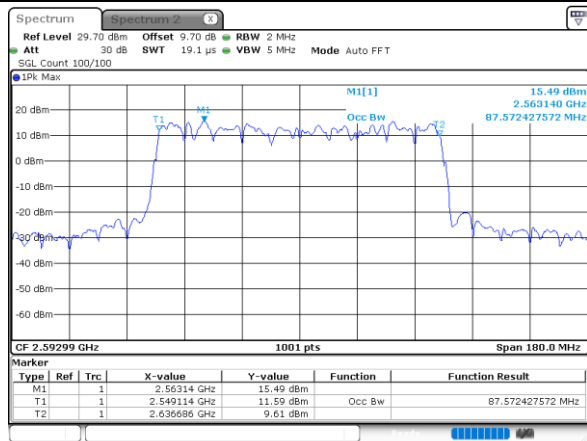
QPSK



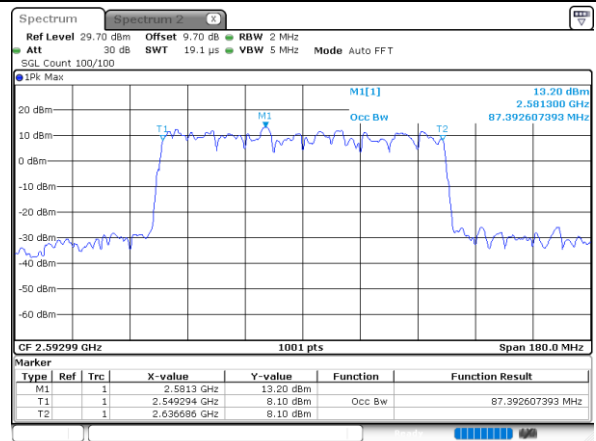
16QAM



64QAM



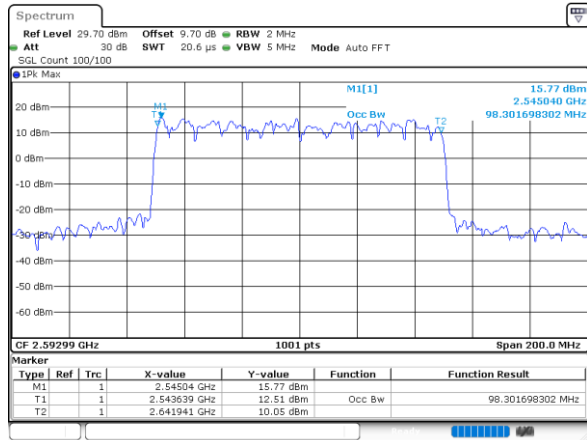
256QAM



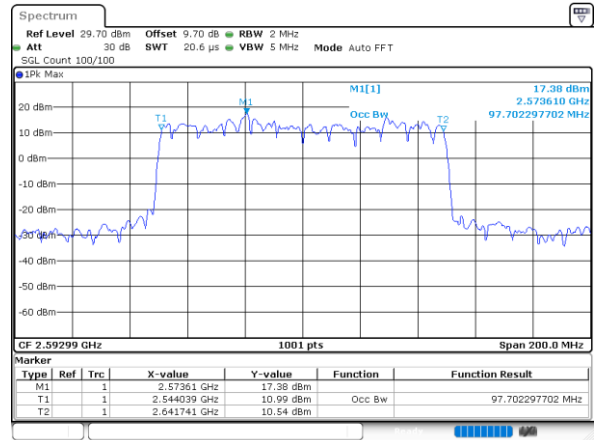


100MHz CP

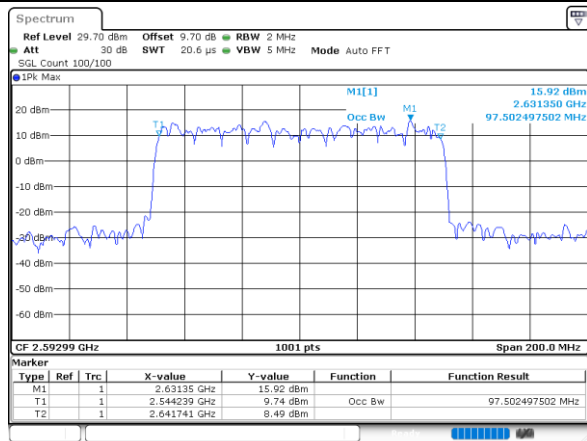
QPSK



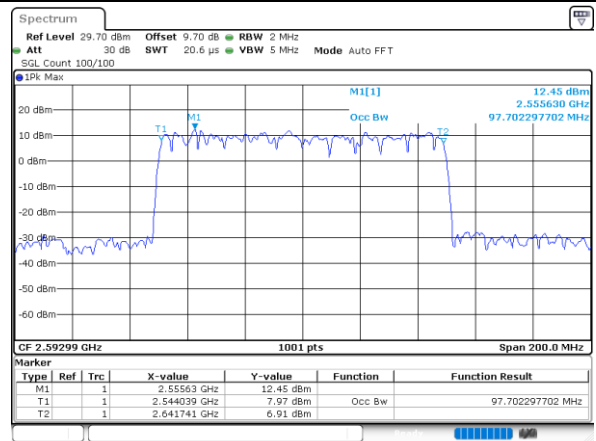
16QAM



64QAM



256QAM



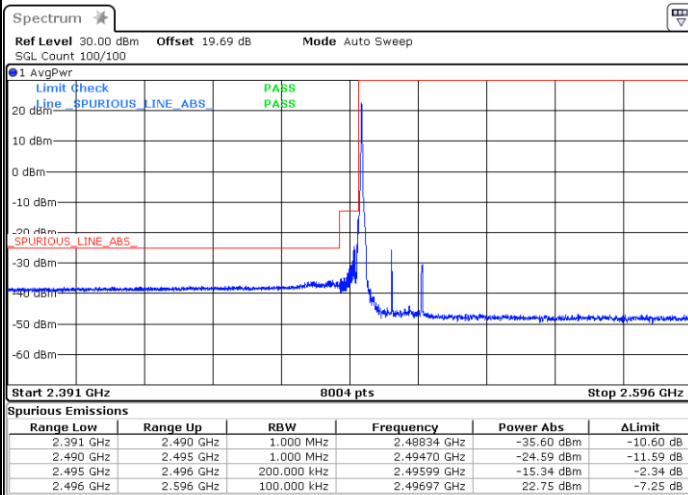


Conducted Band Edge

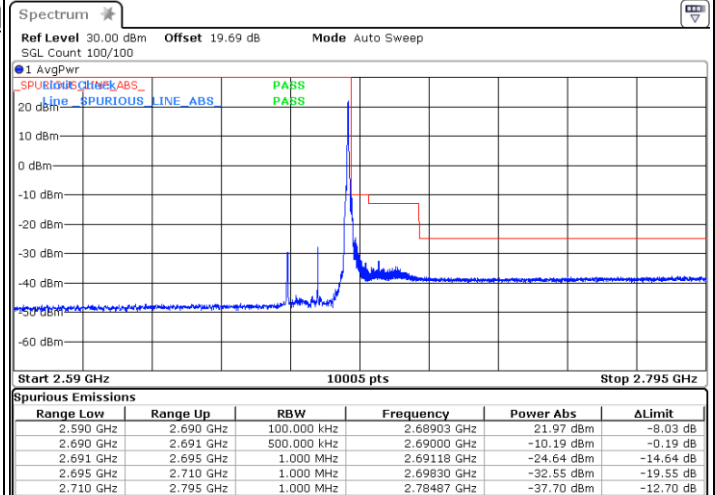
FR1 n41 / 20MHz / CP OFDM / QPSK

Lowest Band Edge / 1RB0

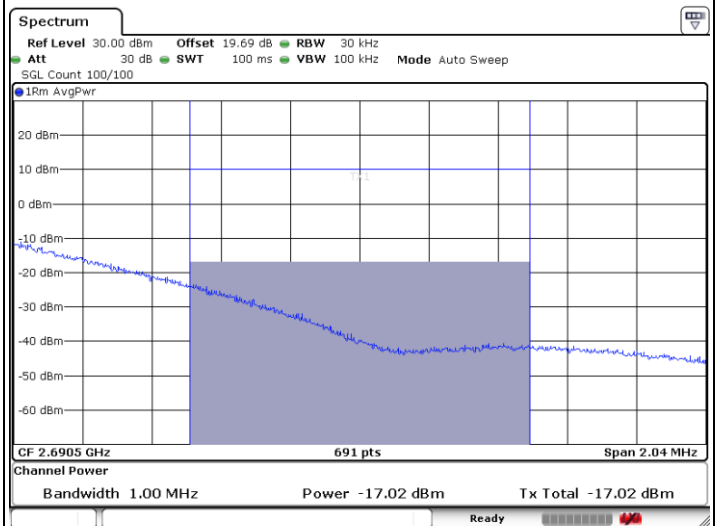
Highest Band Edge / 1RBmax



Date: 12.JUL.2022 03:56:36



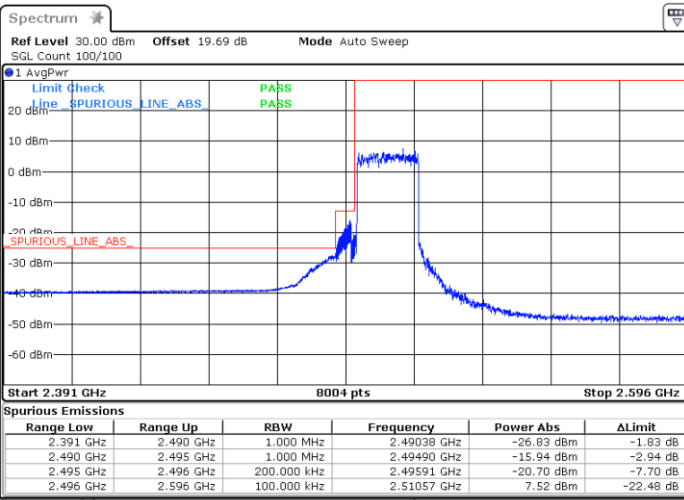
Date: 12.JUL.2022 04:07:14



Date: 12.JUL.2022 05:08:20

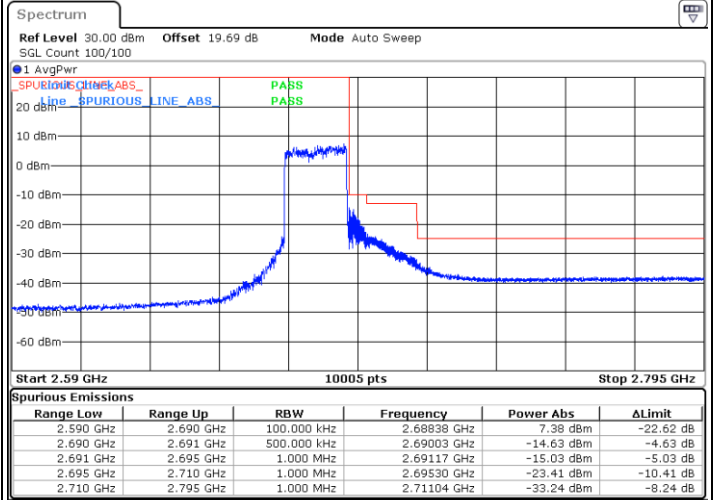


Lowest Band Edge / Full RB



Date: 12.JUL.2022 03:52:23

Highest Band Edge / Full RB



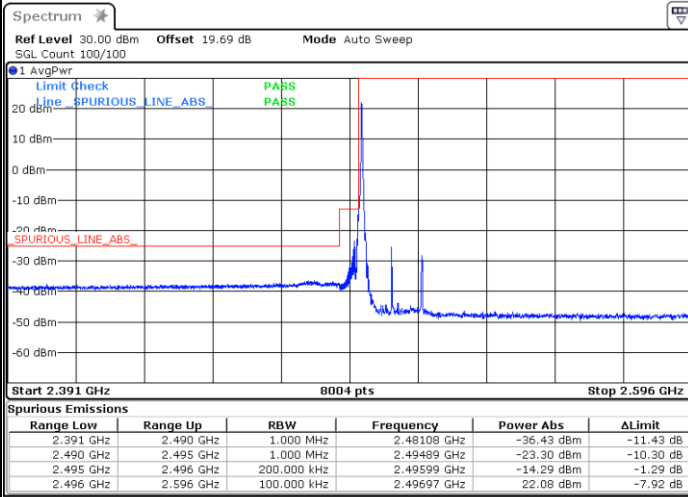
Date: 12.JUL.2022 04:13:32



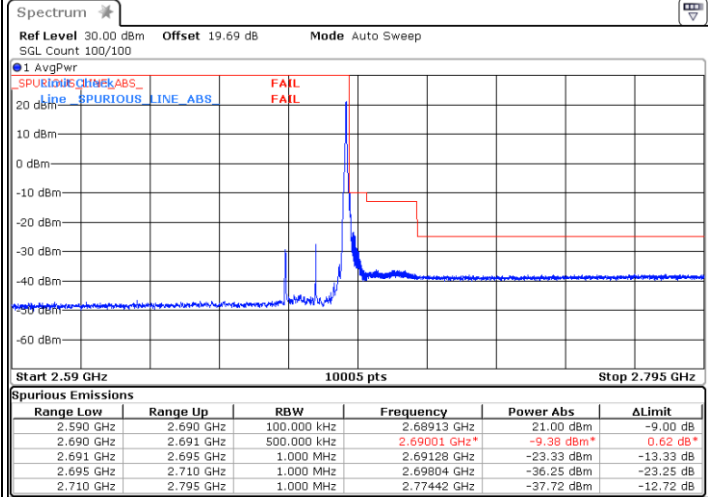
FR1 n41 / 20MHz / CP OFDM / PI/2 16QAM

Lowest Band Edge / 1RB0

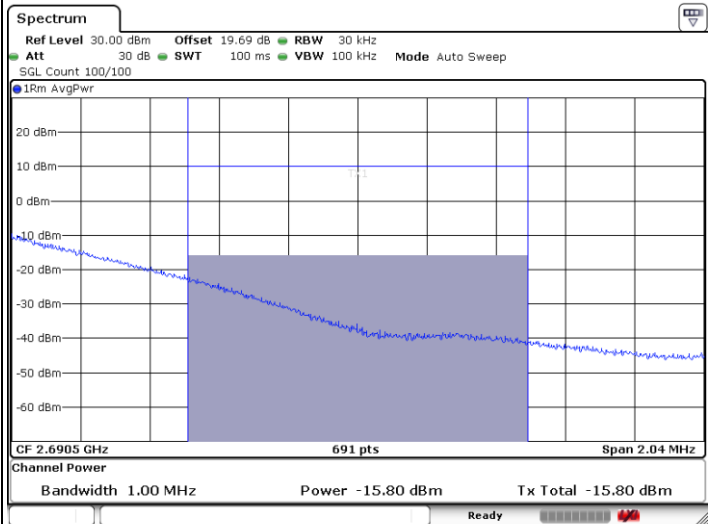
Highest Band Edge / 1RBmax



Date: 12.JUL.2022 03:55:50



Date: 12.JUL.2022 04:12:33

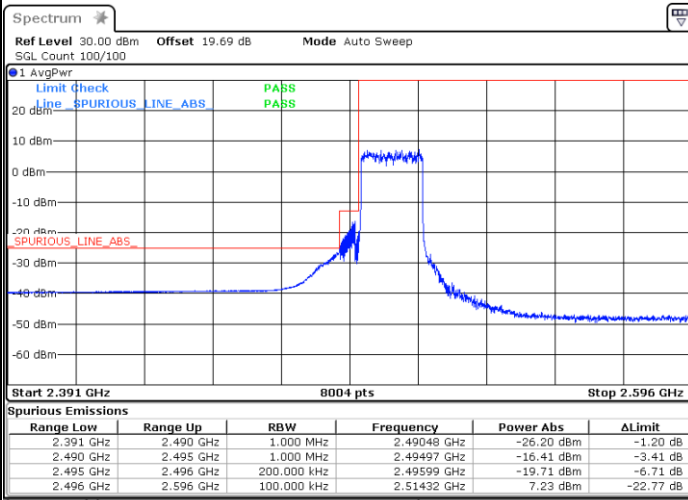


Date: 12.JUL.2022 05:09:35

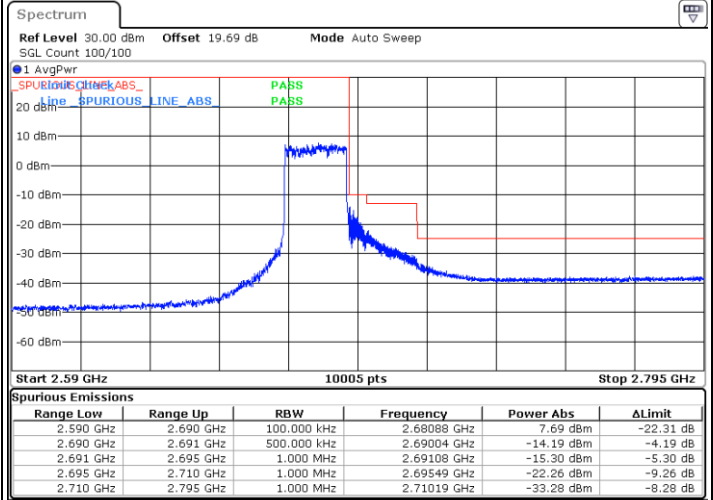


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.JUL.2022 03:54:07



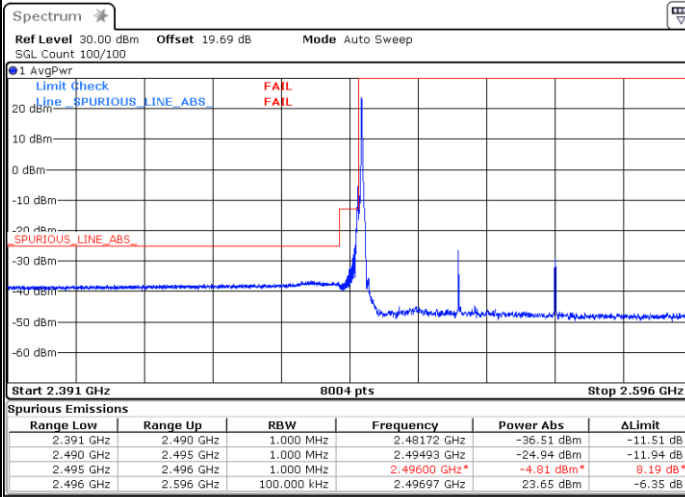
Date: 12.JUL.2022 04:13:14



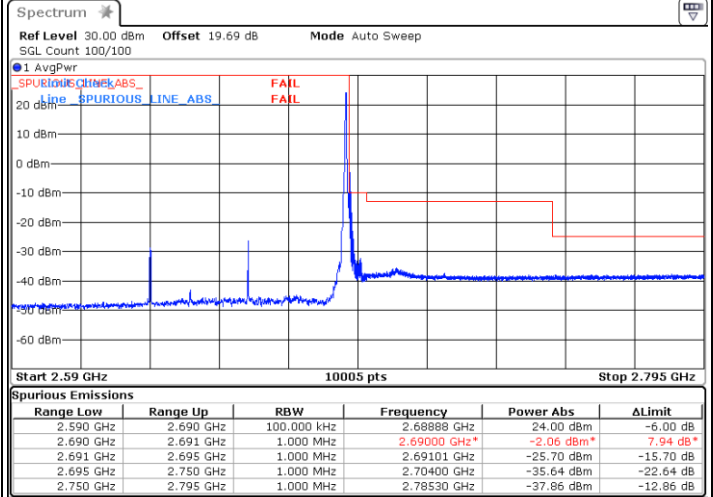
FR1 n41 / 60MHz / CP OFDM / PI/2 QPSK

Lowest Band Edge / 1RB0

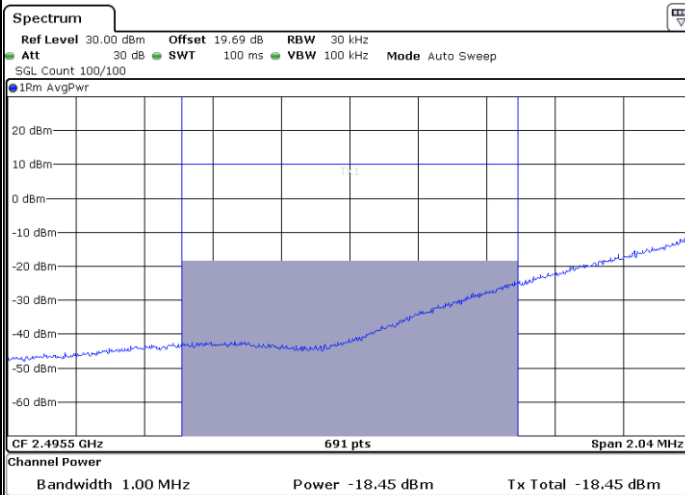
Highest Band Edge / 1RBmax



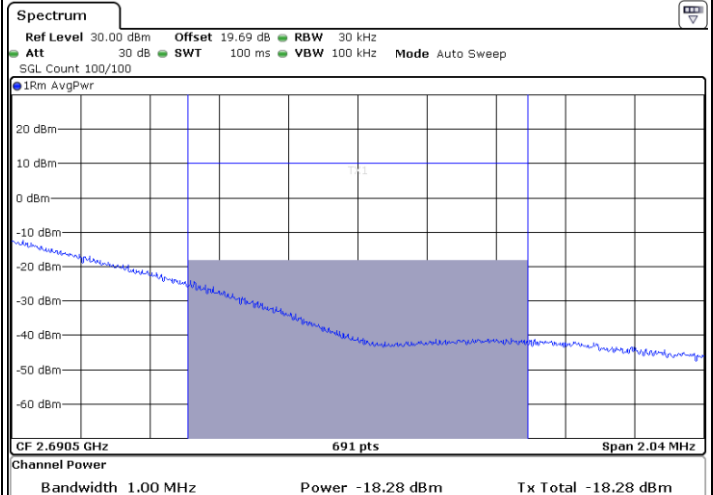
Date: 12.JUL.2022 04:27:55



Date: 12.JUL.2022 03:39:24



Date: 12.JUL.2022 04:30:55

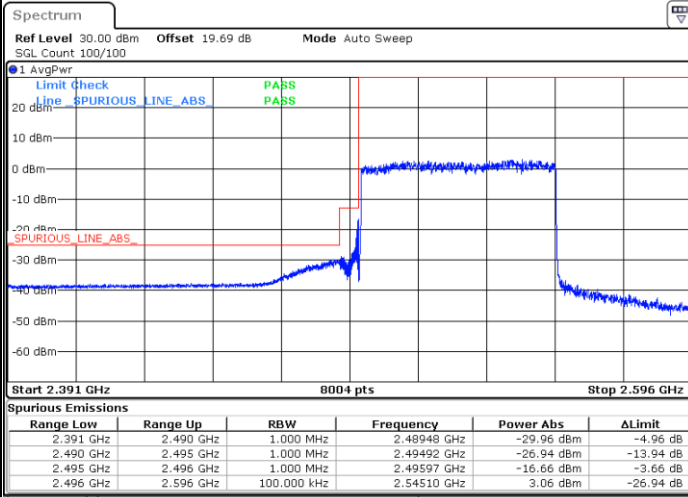


Date: 12.JUL.2022 03:48:27

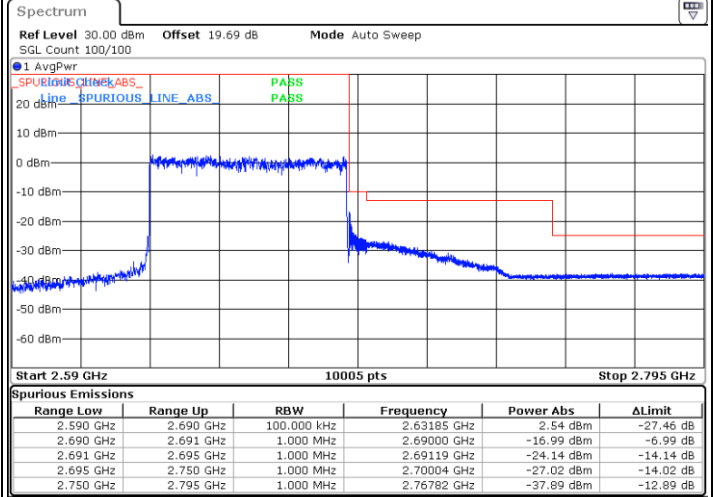


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.JUL.2022 04:29:05



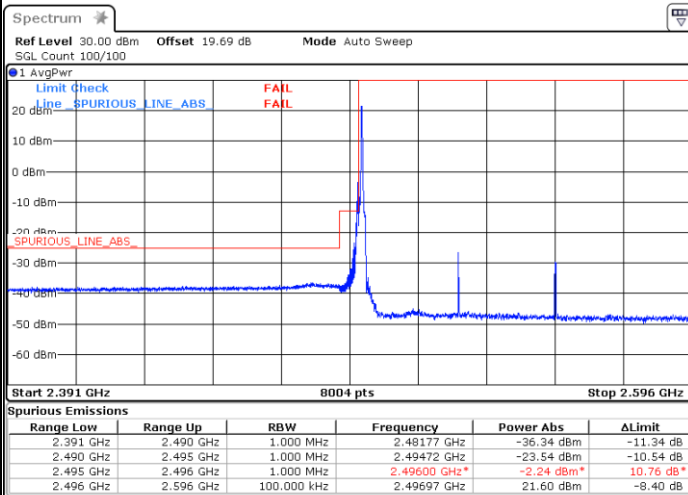
Date: 12.JUL.2022 03:39:53



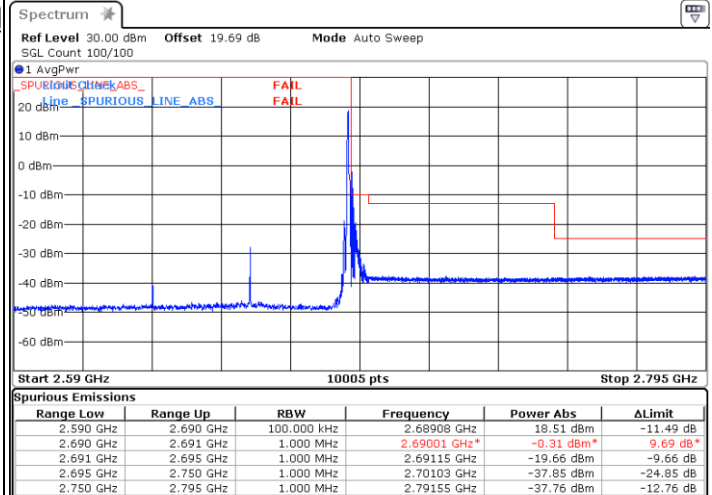
FR1 n41 / 60MHz / CP OFDM / 16QAM

Lowest Band Edge / 1RB0

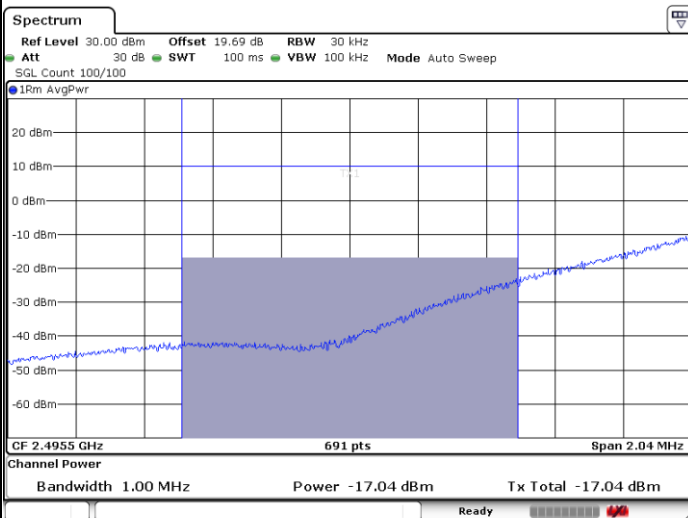
Highest Band Edge / 1RBmax



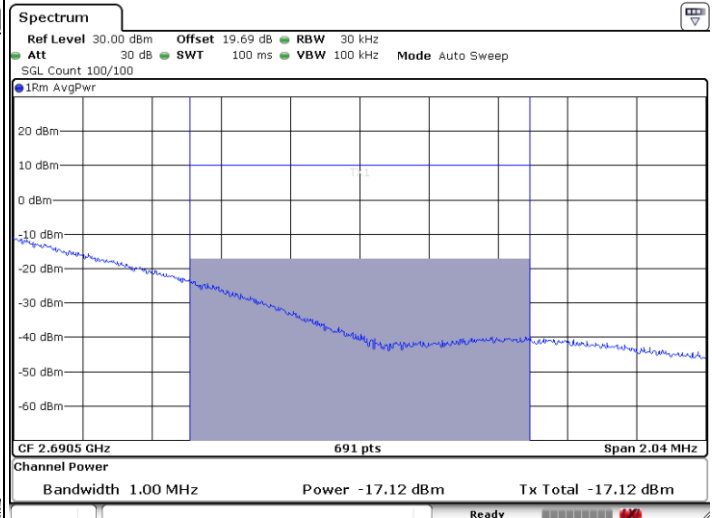
Date: 12.JUL.2022 04:28:32



Date: 12.JUL.2022 03:38:40



Date: 12.JUL.2022 04:31:26

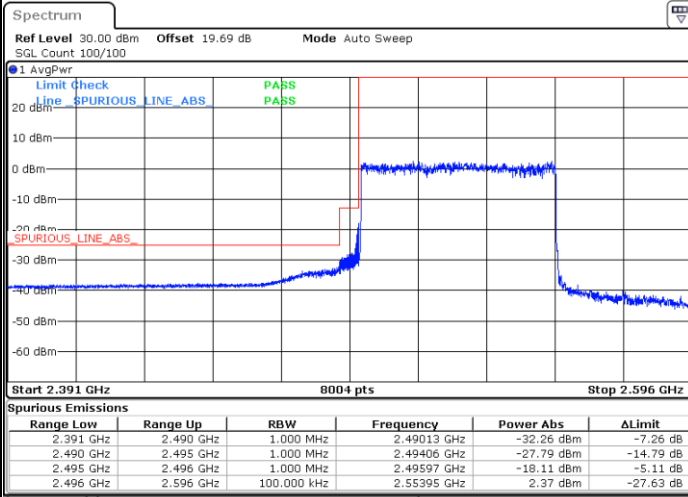


Date: 12.JUL.2022 03:47:07

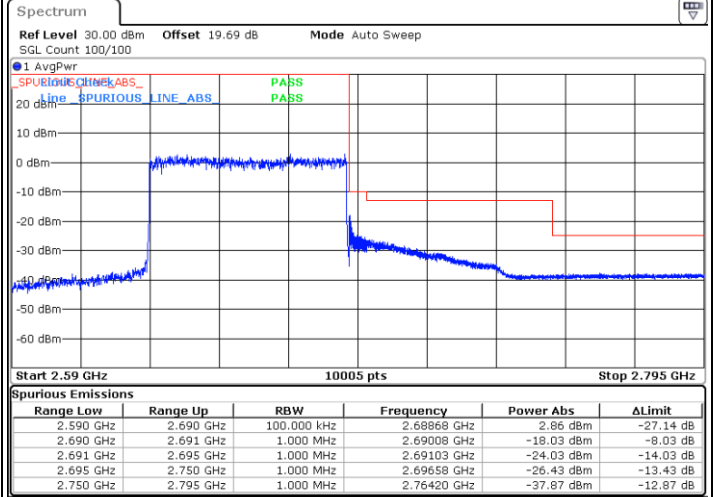


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.JUL.2022 04:28:52



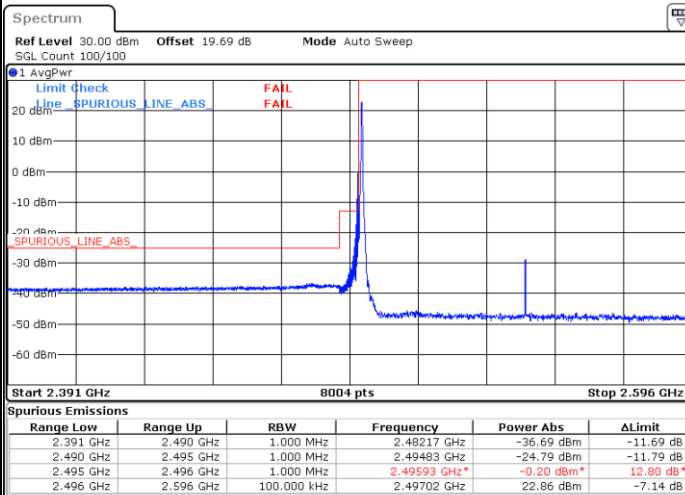
Date: 12.JUL.2022 03:40:07



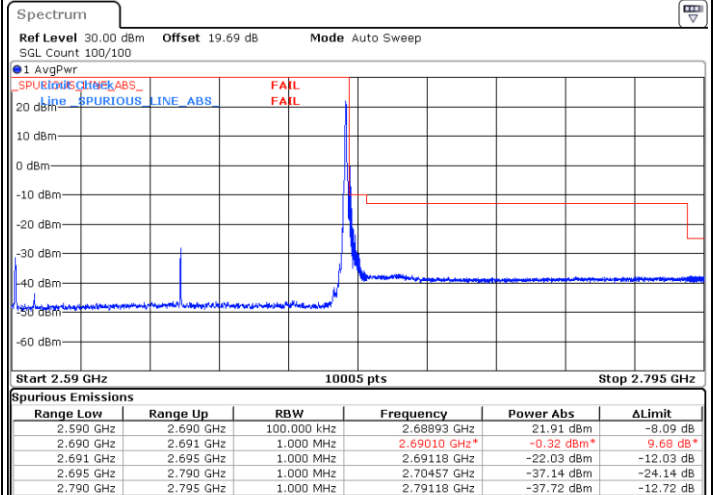
FR1 n41 / 100MHz / CP OFDM / PI/2 QPSK

Lowest Band Edge / 1RB0

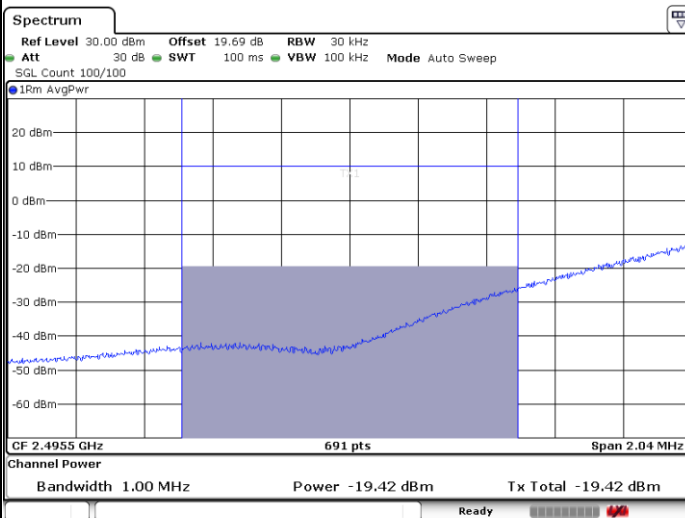
Highest Band Edge / 1RBmax



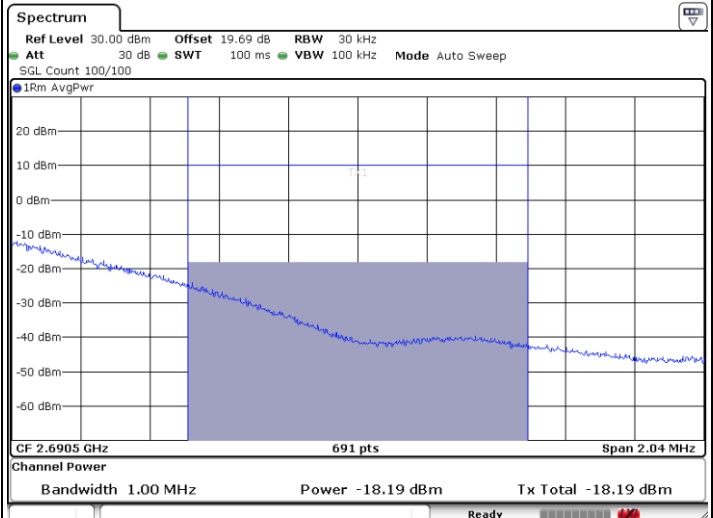
Date: 12.JUL.2022 04:39:43



Date: 12.JUL.2022 04:47:53



Date: 12.JUL.2022 04:42:37

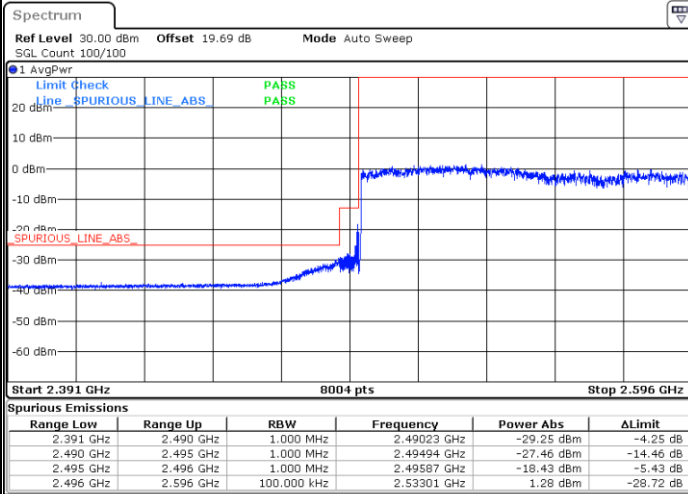


Date: 12.JUL.2022 04:50:10

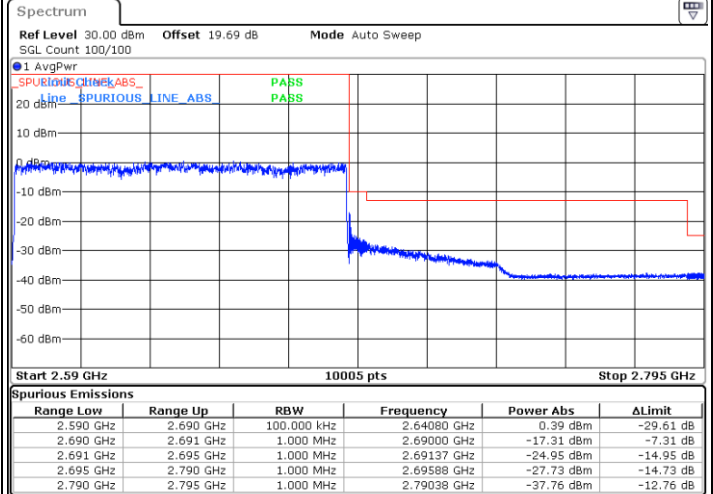


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.JUL.2022 04:41:12



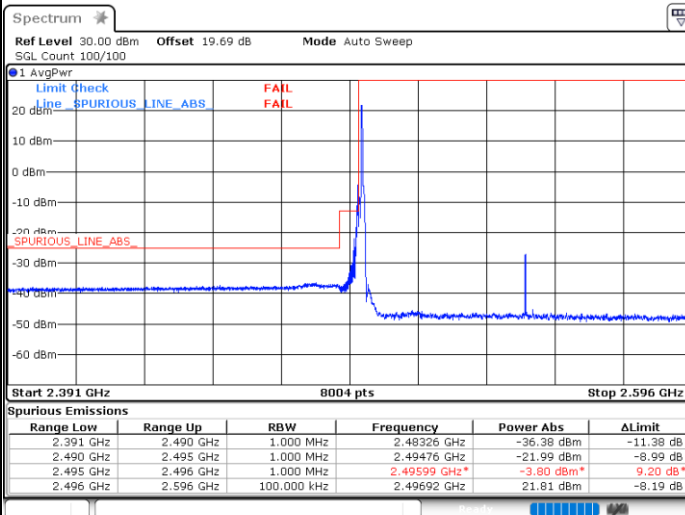
Date: 12.JUL.2022 04:46:58



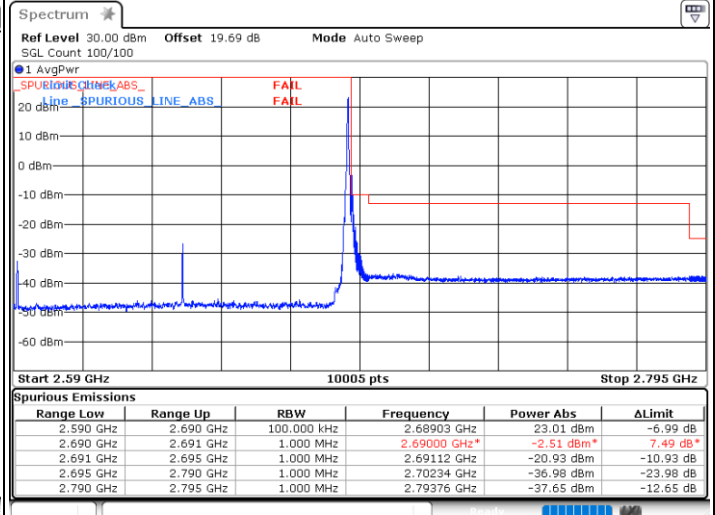
FR1 n41 / 100MHz / CP OFDM / 16QAM

Lowest Band Edge / 1RB0

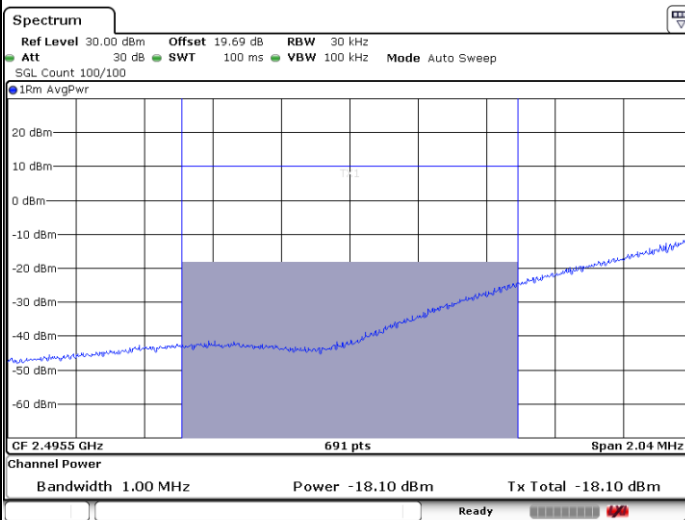
Highest Band Edge / 1RBmax



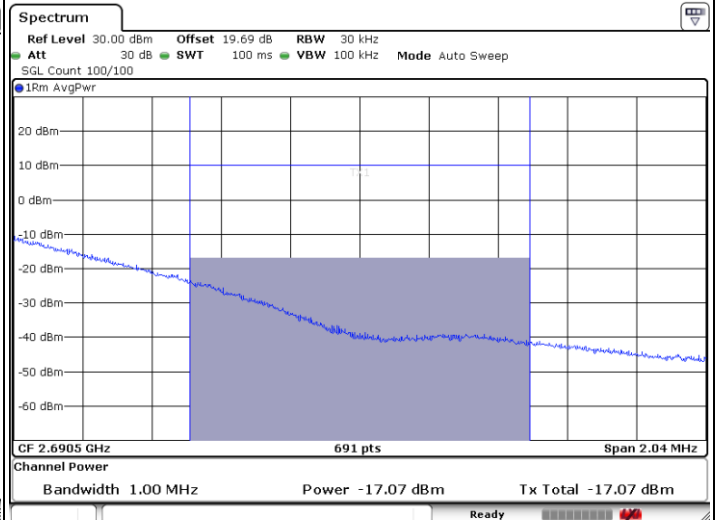
Date: 12.JUL.2022 04:40:28



Date: 12.JUL.2022 04:48:31



Date: 12.JUL.2022 04:43:04

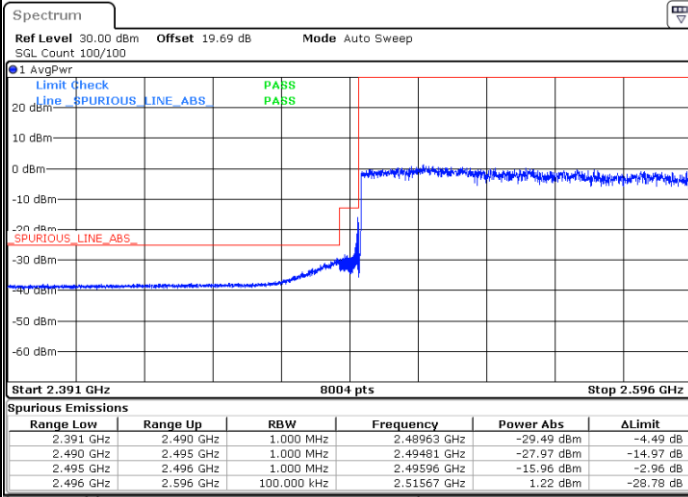


Date: 12.JUL.2022 04:49:41

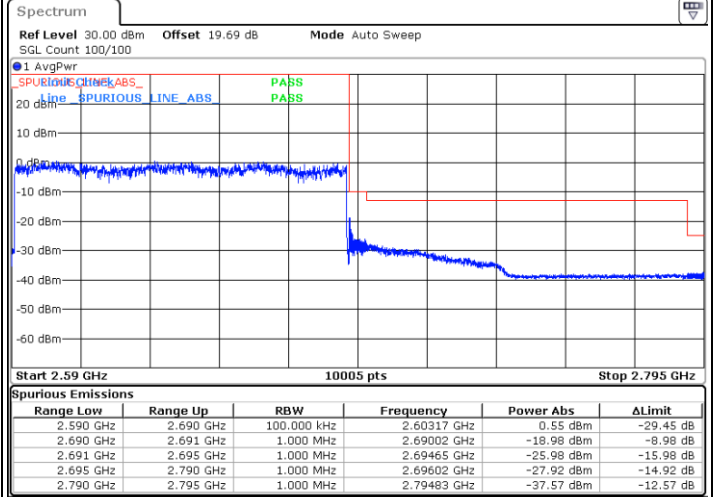


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.JUL.2022 04:40:59



Date: 12.JUL.2022 04:46:40

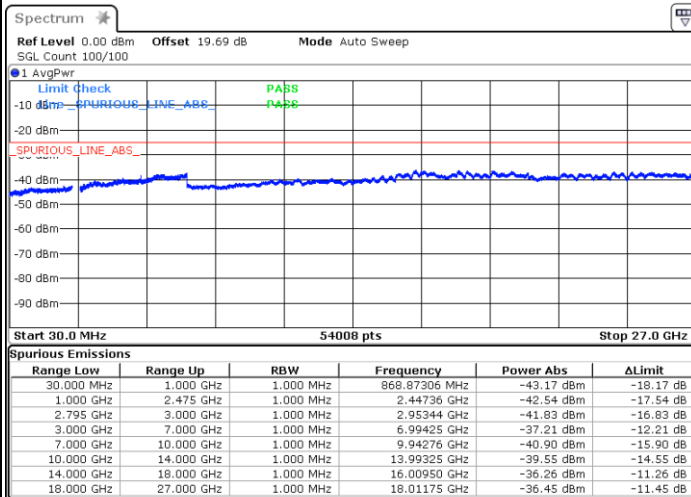


Conducted Spurious Emission

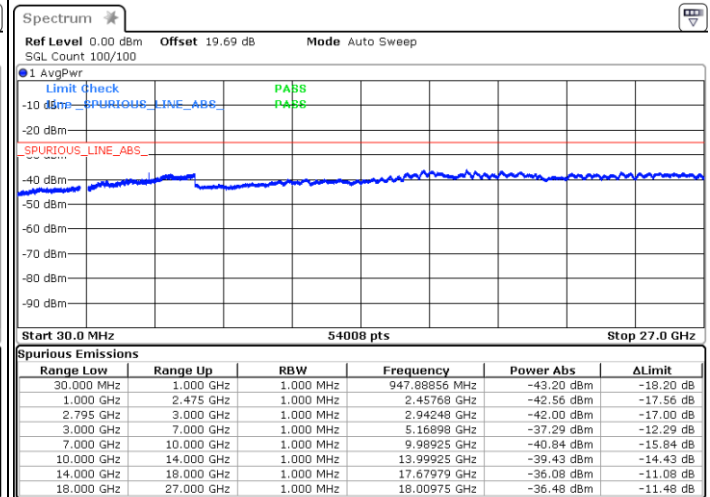
FR1 n41 / 20MHz / CP OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

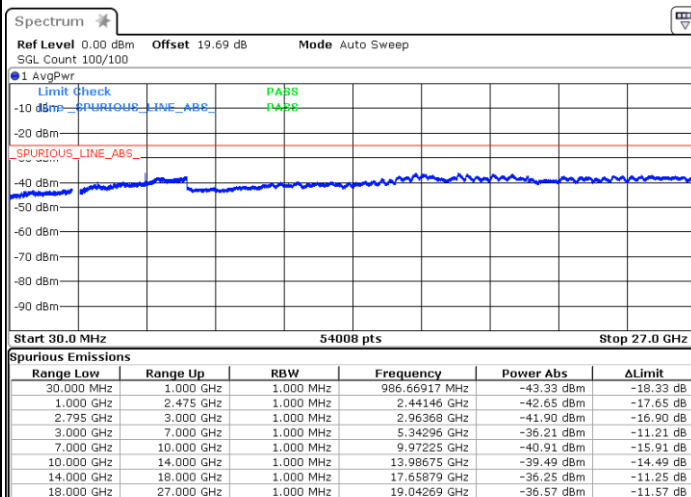


Date: 12.JUL.2022 04:23:49



Date: 12.JUL.2022 04:22:46

Highest Channel / 1RB1



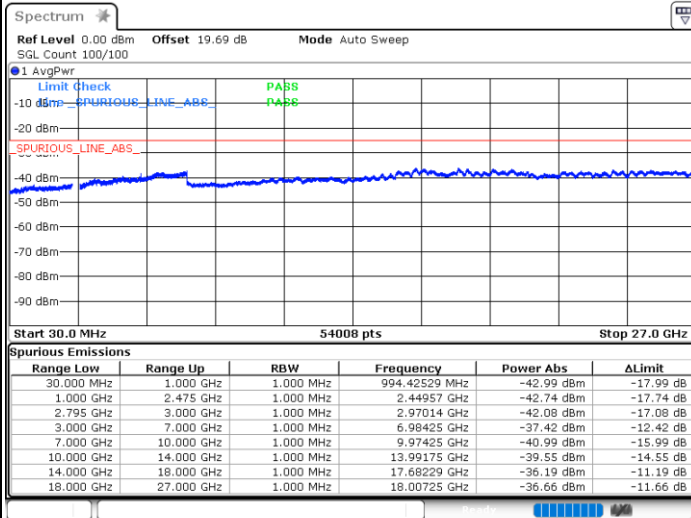
Date: 12.JUL.2022 04:16:46



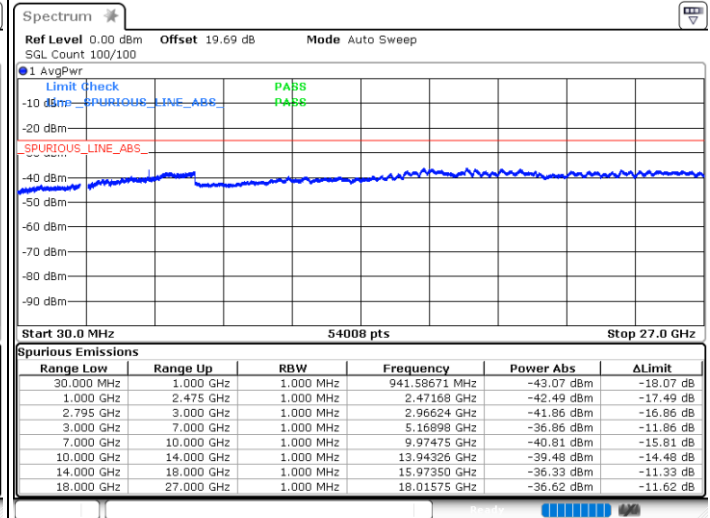
FR1 n41 / 20MHz / CP OFDM /16QAM

Lowest Channel / 1RB1

Middle Channel / 1RB1

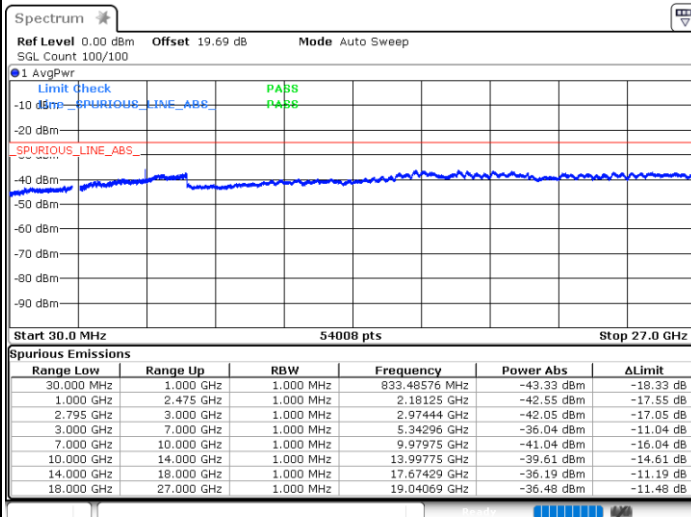


Date: 12.JUL.2022 04:24:49



Date: 12.JUL.2022 04:21:40

Highest Channel / 1RB1



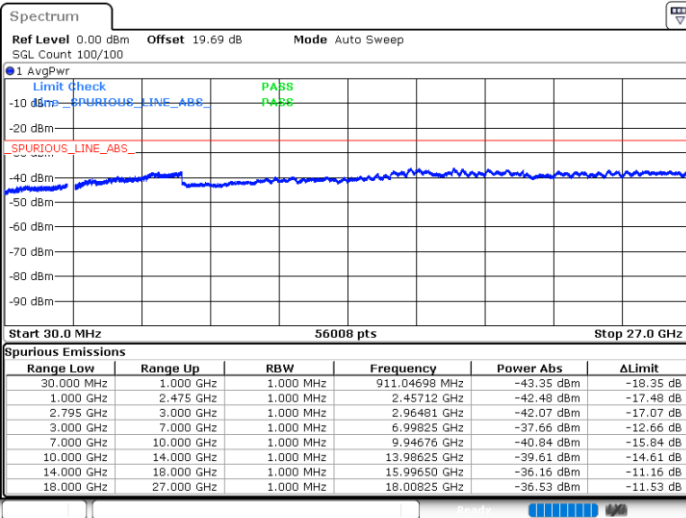
Date: 12.JUL.2022 04:17:55



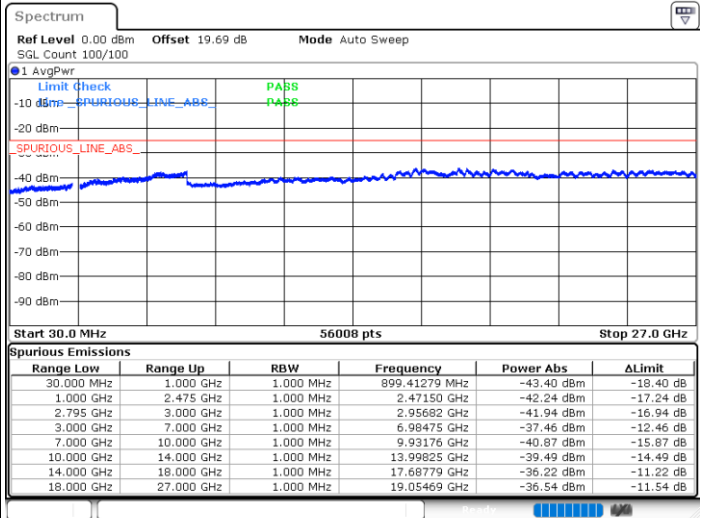
FR1 n41 /60MHz / CP OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

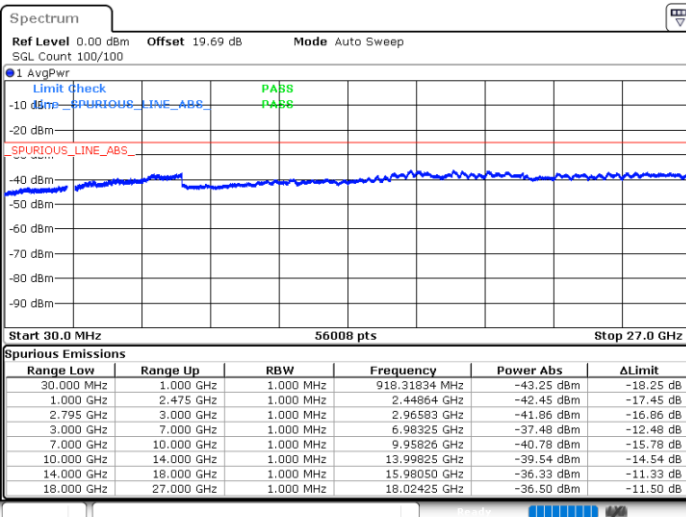


Date: 12.JUL.2022 04:32:50



Date: 12.JUL.2022 04:35:20

Highest Channel / 1RB1



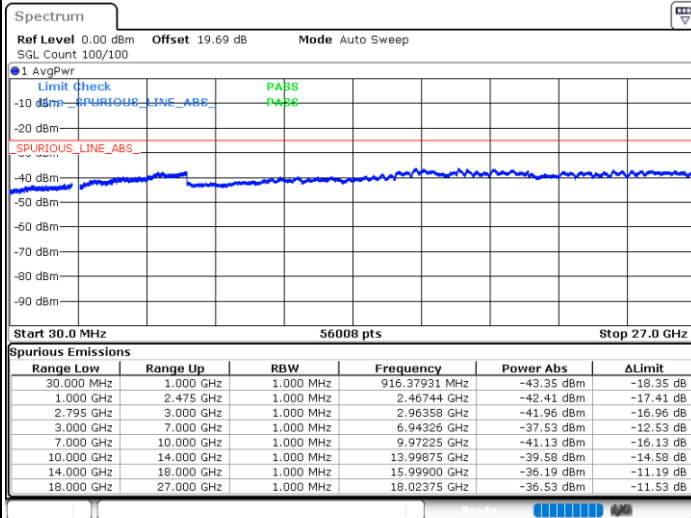
Date: 12.JUL.2022 04:37:08



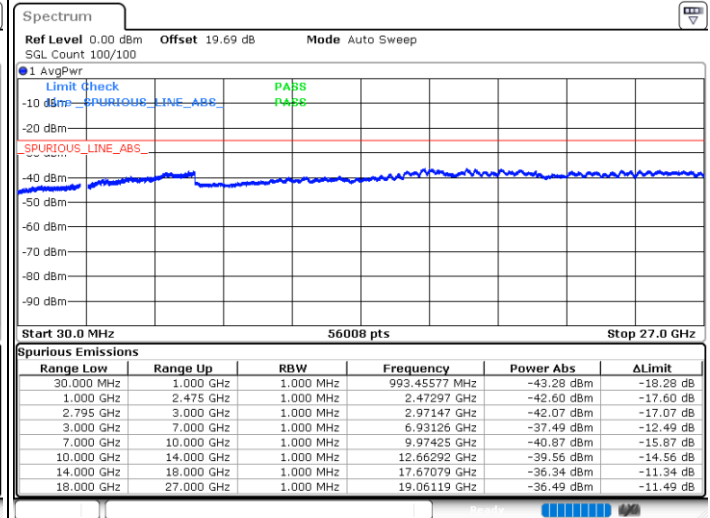
FR1 n41 /60MHz / CP OFDM /16QAM

Lowest Channel / 1RB1

Middle Channel / 1RB1

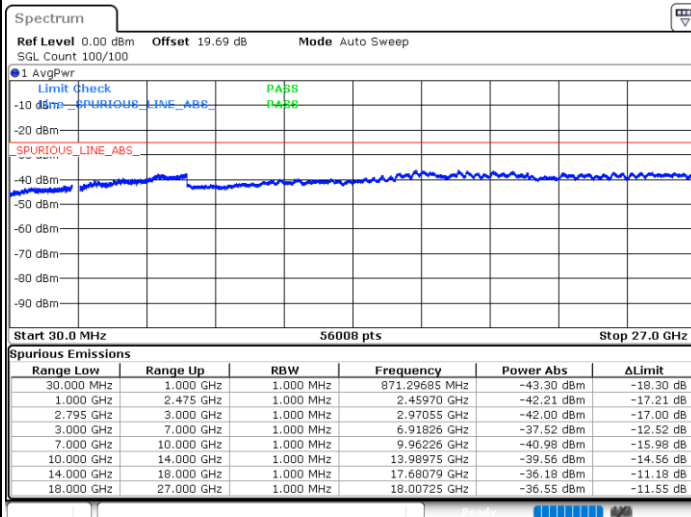


Date: 12.JUL.2022 04:33:41



Date: 12.JUL.2022 04:34:30

Highest Channel / 1RB1

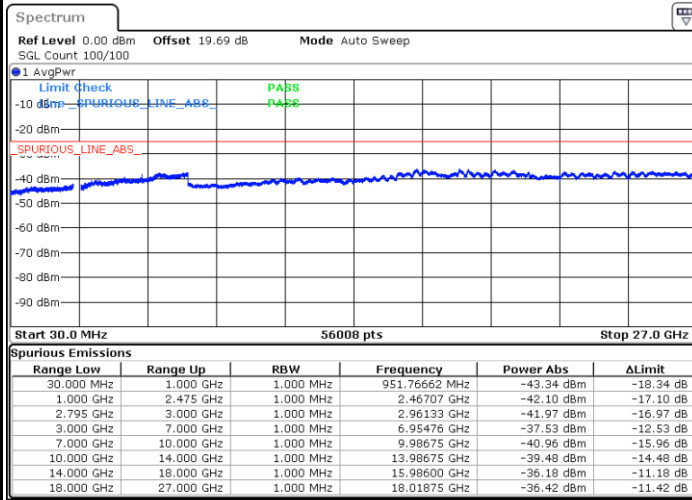


Date: 12.JUL.2022 04:36:19



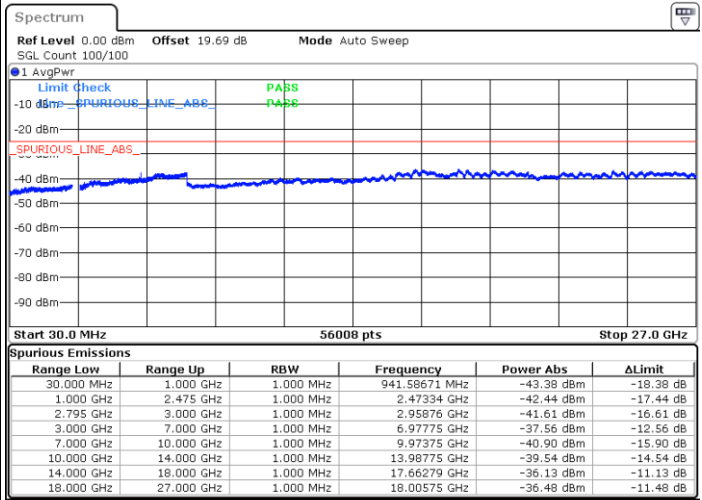
FR1 n41 /100MHz / CP OFDM / QPSK

Lowest Channel / 1RB1



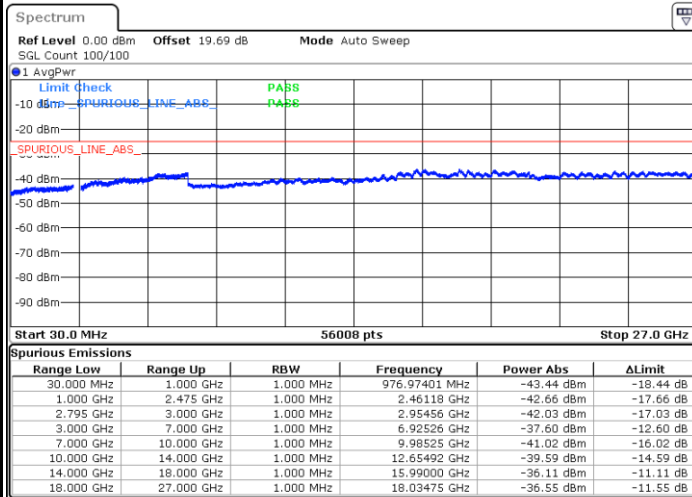
Date: 12.JUL.2022 04:55:25

Middle Channel / 1RB1



Date: 12.JUL.2022 04:52:53

Highest Channel / 1RB1



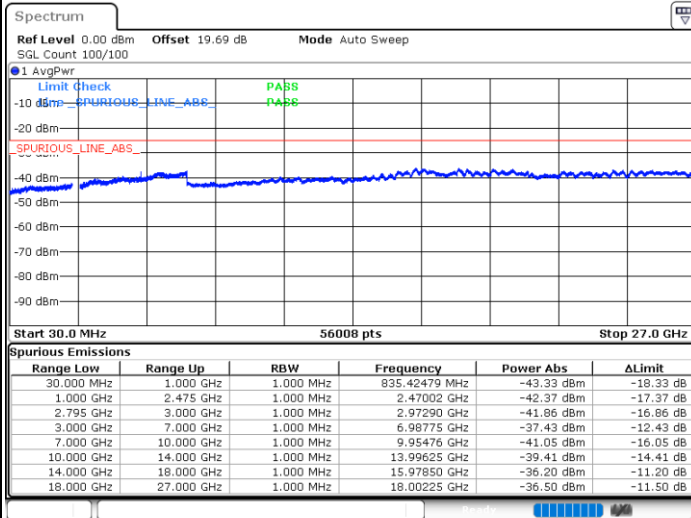
Date: 12.JUL.2022 04:52:03



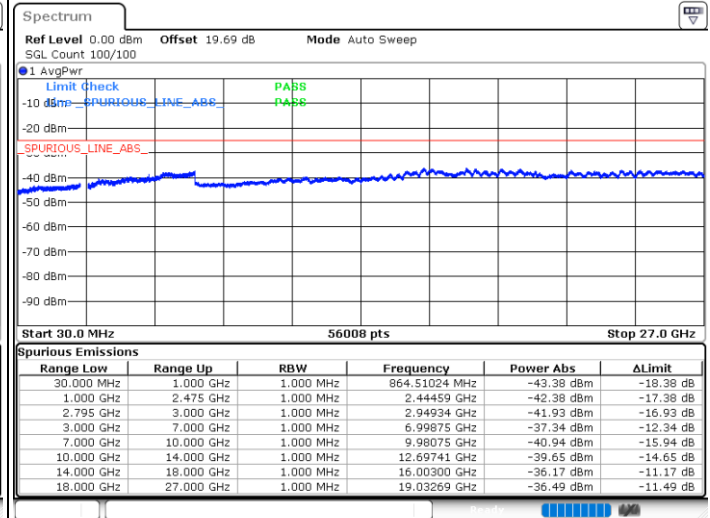
FR1 n41 /100MHz / CP OFDM /16QAM

Lowest Channel / 1RB1

Middle Channel / 1RB1

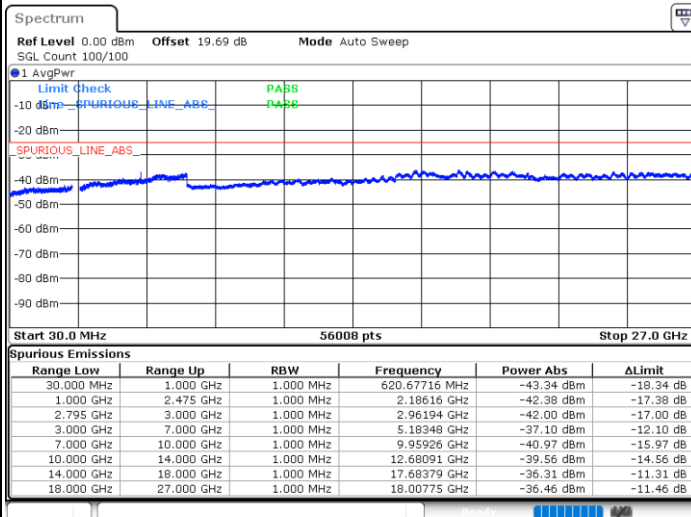


Date: 12.JUL.2022 04:54:35



Date: 12.JUL.2022 04:53:45

Highest Channel / 1RB1



Date: 12.JUL.2022 04:51:11

Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0031	

Note:

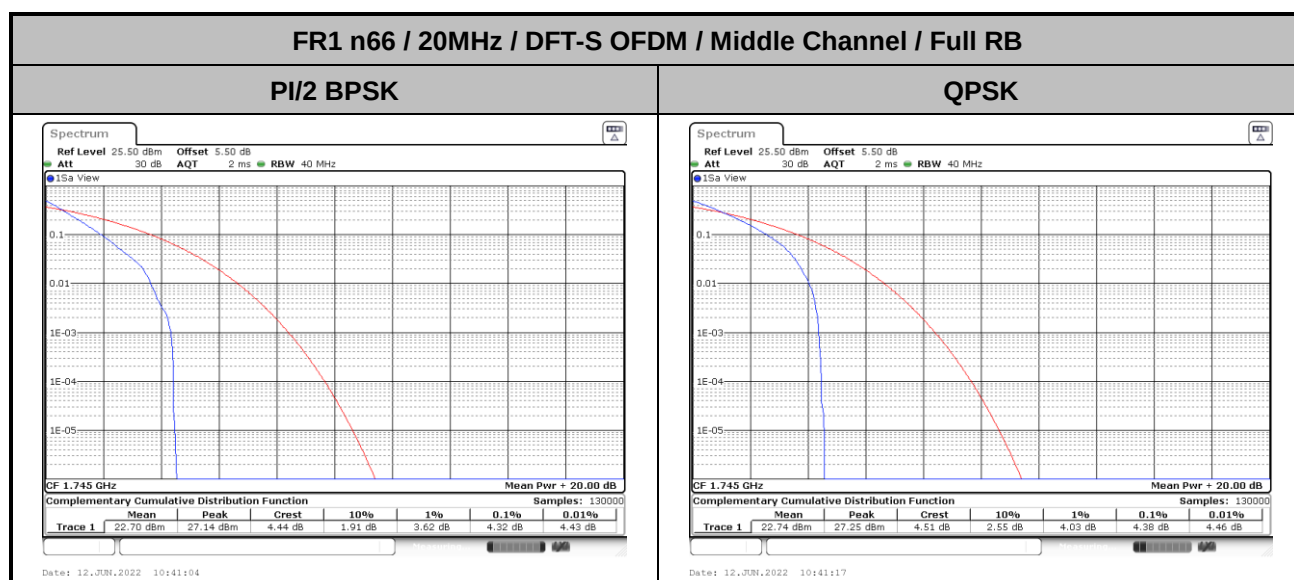
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n66

Peak-to-Average Ratio

Mode	FR1 n66 / 40MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK			Limit: 13dB
RB Size	Full RB	Full RB			Result
Middle CH	4.32	4.38			PASS



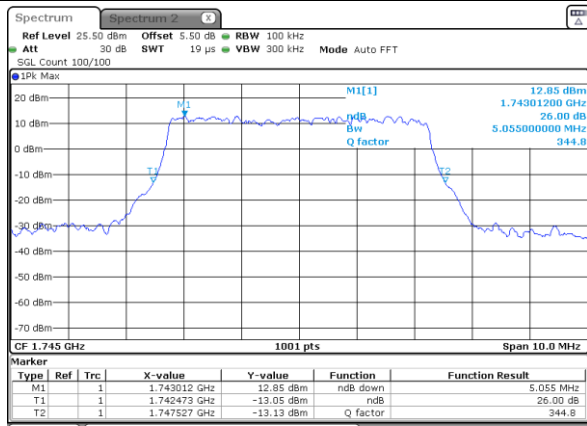
**26dB Bandwidth**

Mode	FR1 n66 : 26dBW (MHz) / CP OFDM											
BW	5MHz		10MHz		15MHz		20MHz		30M		40M	
Mod.	QPSK		QPSK		QPSK		QPSK		QPSK		QPSK	
Middle CH	5.06		10.01		14.99		21.18		29.77		41.08	
Mod.	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM
Middle CH	5.16	5.12	10.33	10.13	15.05	15.02	21.30	21.38	29.65	29.65	41.08	41.08
Mod.	256QAM		256QAM		256QAM		256QAM		256QAM		256QAM	
Middle CH	5.07		10.39		14.99		21.22		29.57		40.92	



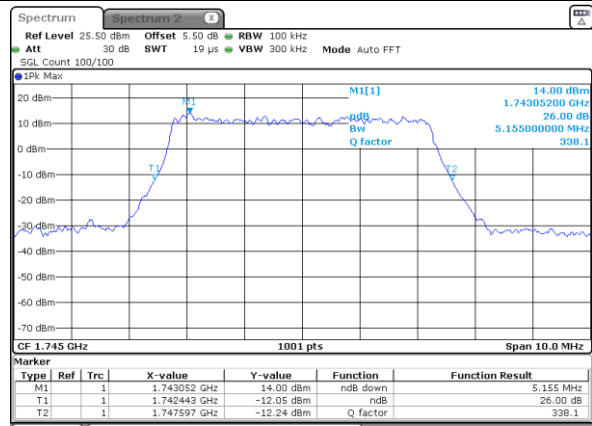
FR1 n66 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



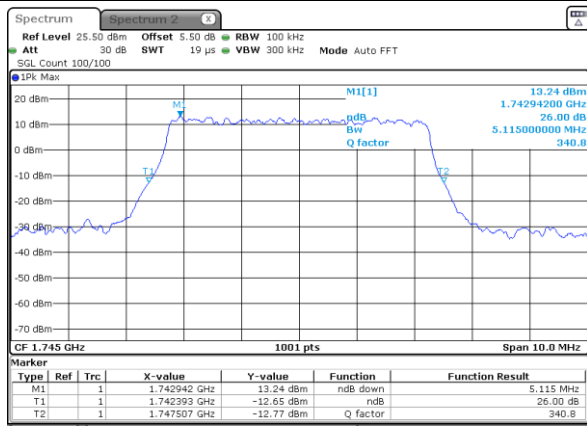
Date: 10 JUN 2022 23:17:41

16QAM



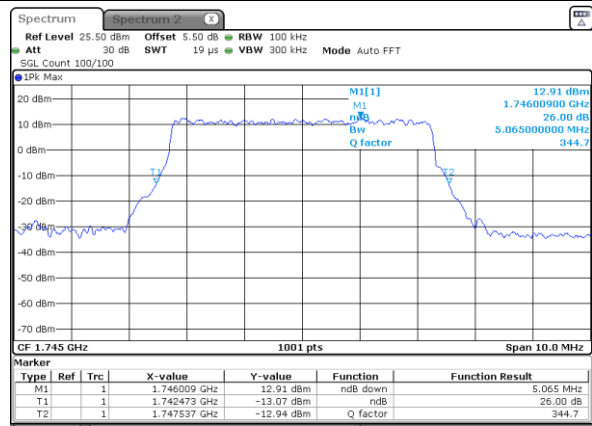
Date: 10 JUN 2022 23:18:27

64QAM



Date: 10 JUN 2022 23:19:16

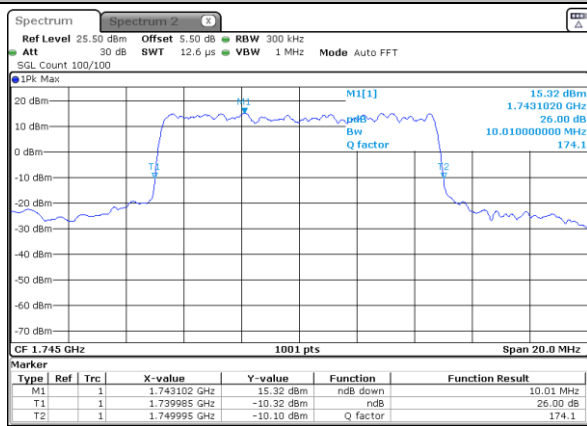
256QAM



Date: 10 JUN 2022 23:19:46

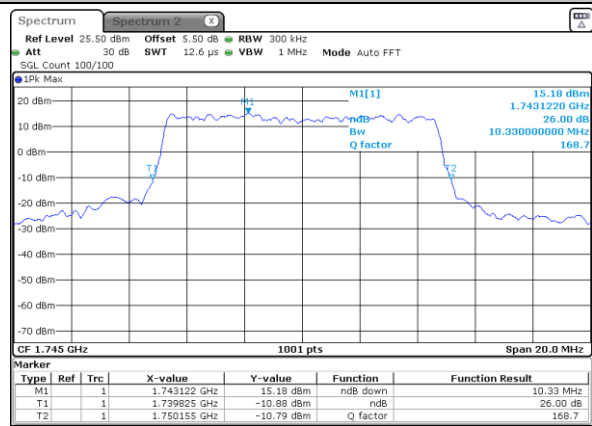
FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



Date: 10 JUN 2022 23:28:47

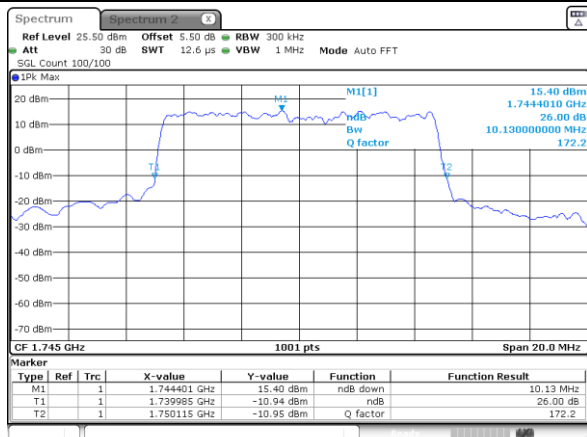
16QAM



Date: 10 JUN 2022 23:28:26

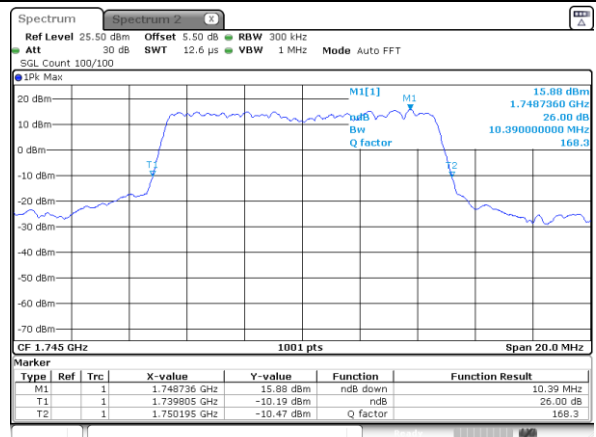


64QAM



Date: 10, JUN, 2022 23:28:07

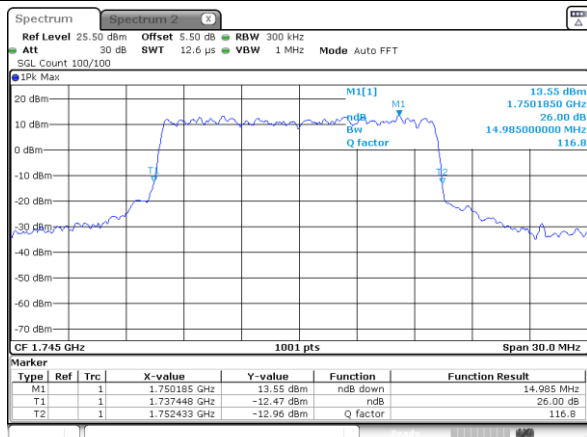
256QAM



Date: 10, JUN, 2022 23:25:09

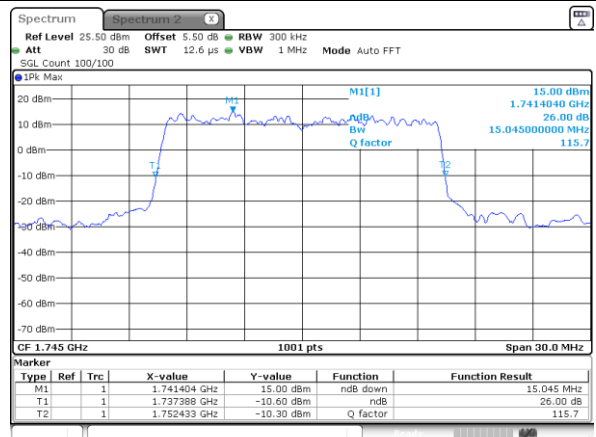
FR1 n66 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



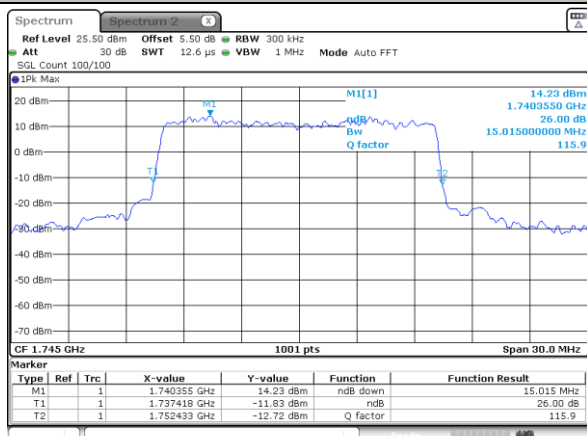
Date: 10, JUN, 2022 23:33:03

16QAM



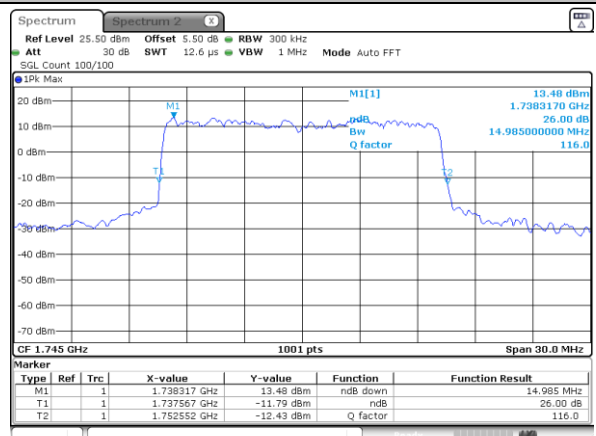
Date: 10, JUN, 2022 23:34:05

64QAM



Date: 10, JUN, 2022 23:35:04

256QAM

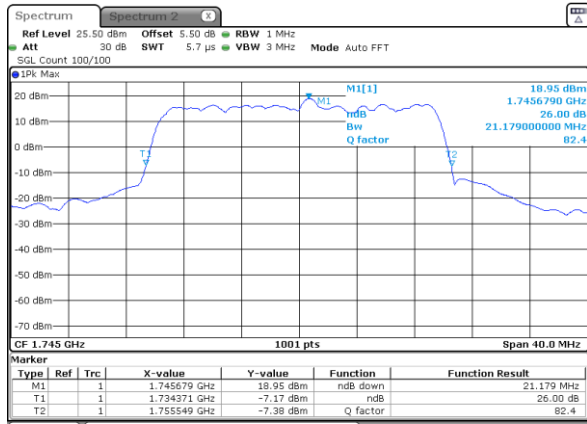


Date: 10, JUN, 2022 23:35:42



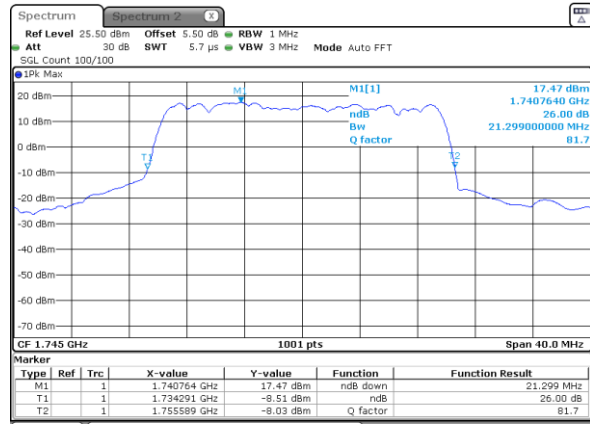
FR1 n66 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



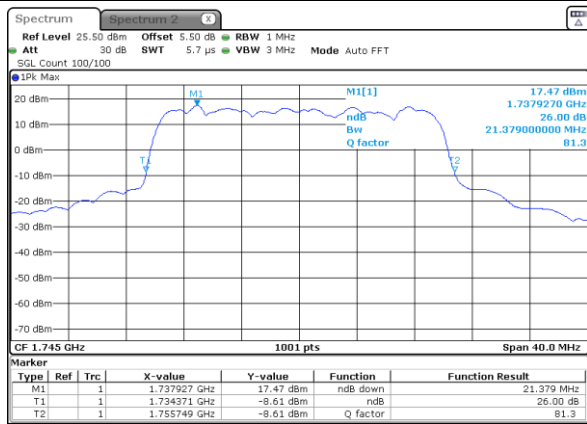
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16QAM



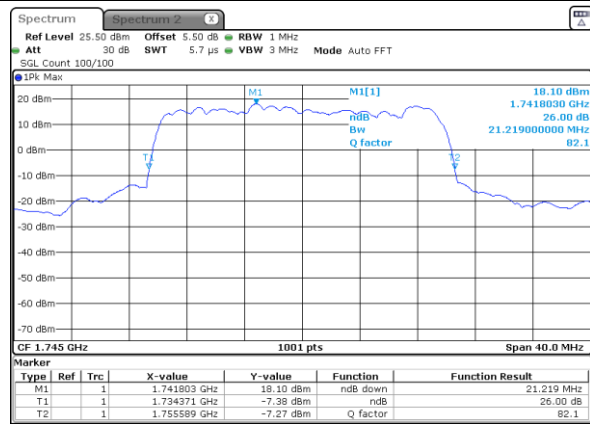
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64QAM



Date: 10 JUN 2022 23:36:59

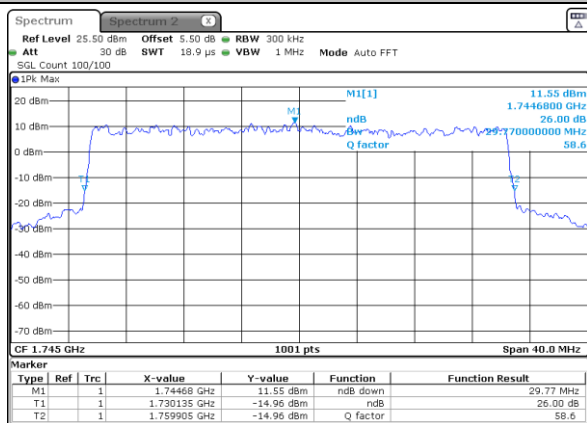
256QAM



Date: 10 JUN 2022 23:36:40

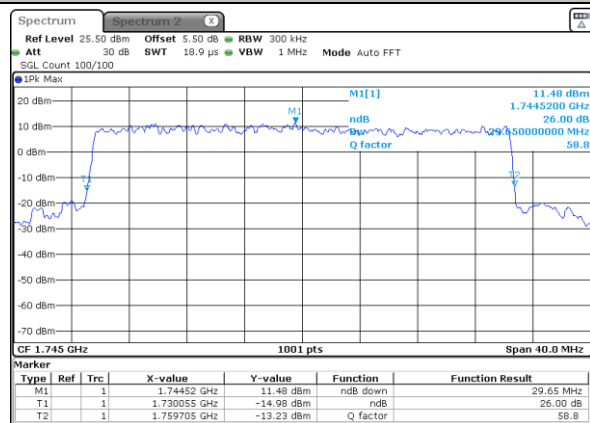
FR1 n66 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



Date: 10 JUN 2022 23:39:12

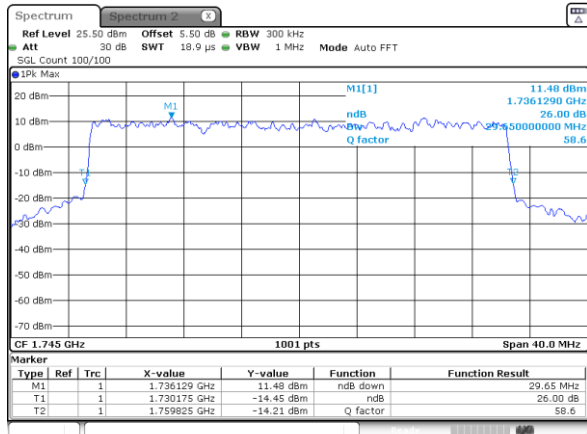
16QAM



Date: 10 JUN 2022 23:39:33

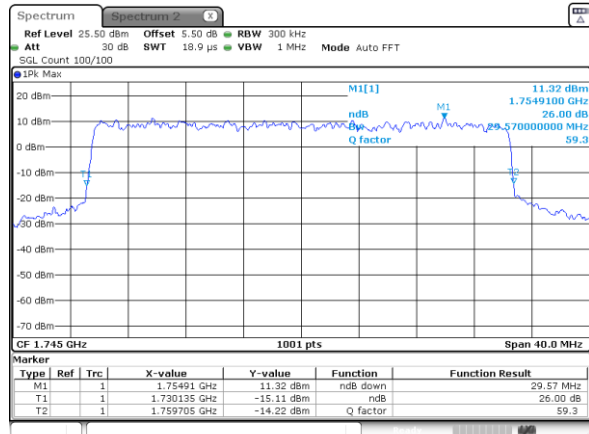


64QAM



Date: 10 JUN 2022 23:39:51

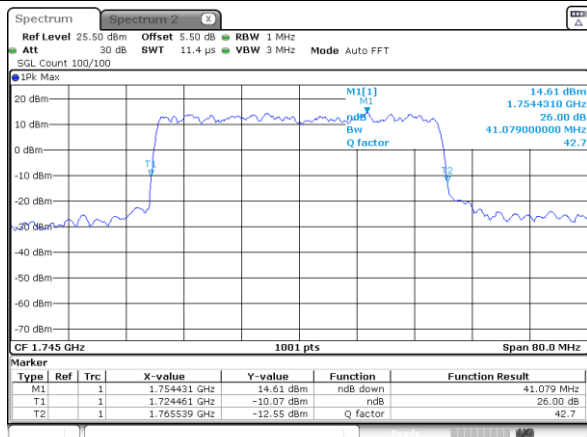
256QAM



Date: 10 JUN 2022 23:40:09

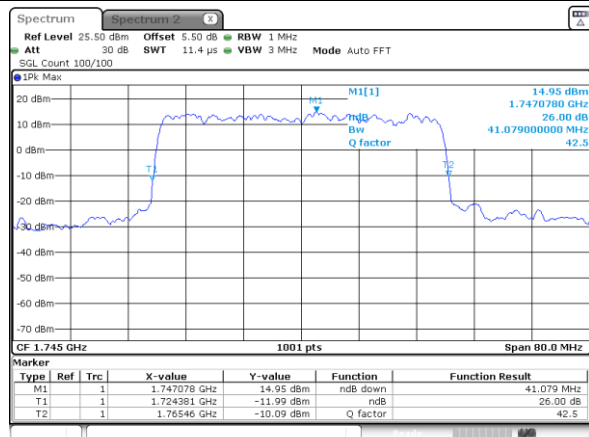
FR1 n66 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



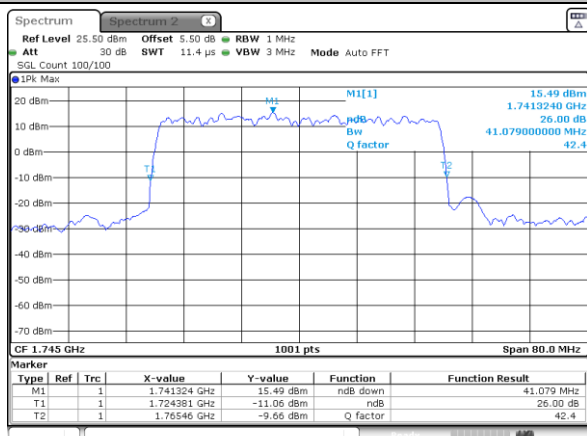
Date: 10 JUN 2022 23:48:27

16QAM



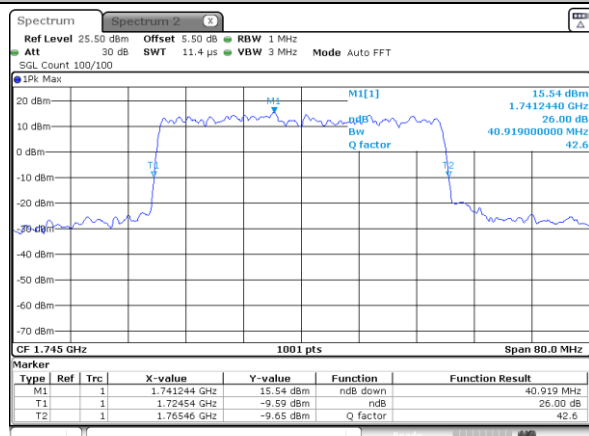
Date: 10 JUN 2022 23:47:43

64QAM



Date: 10 JUN 2022 23:43:11

256QAM



Date: 10 JUN 2022 23:41:01

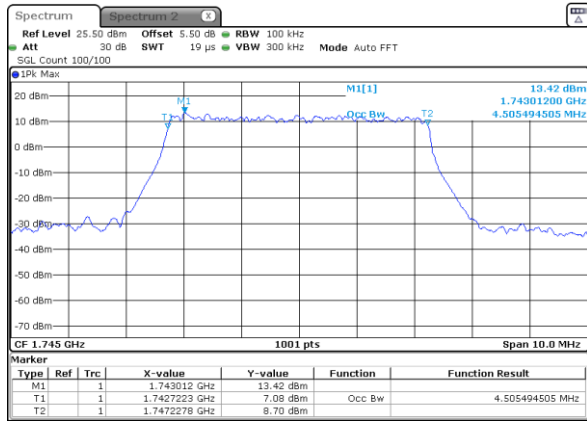
**Occupied Bandwidth**

Mode	FR1 n66 : 99%OBW (MHz) / CP OFDM											
BW	5MHz		10MHz		15MHz		20MHz		30MHz		40MHz	
Mod.	QPSK		QPSK		QPSK		QPSK		QPSK		QPSK	
Middle CH	4.51		9.39		14.15		19.50		28.61		38.52	
Mod.	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM
Middle CH	4.52	4.53	9.43	9.37	14.21	14.12	19.34	19.30	28.53	28.53	38.76	39
Mod.	256QAM		256QAM		256QAM		256QAM		256QAM		256QAM	
Middle CH	4.52		9.39		14.18		19.34		28.45		38.92	

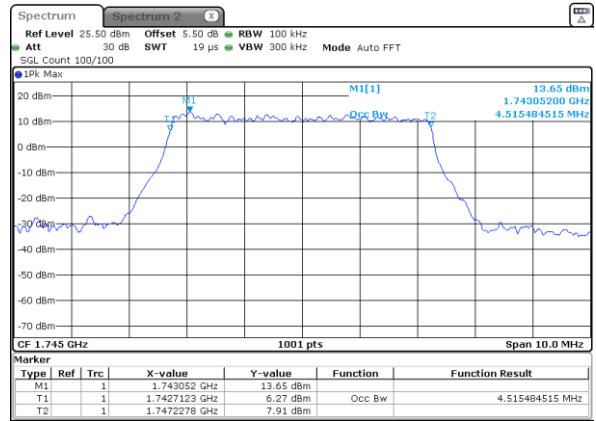


FR1 n66/ 5MHz / CP OFDM / Middle Channel / Full RB

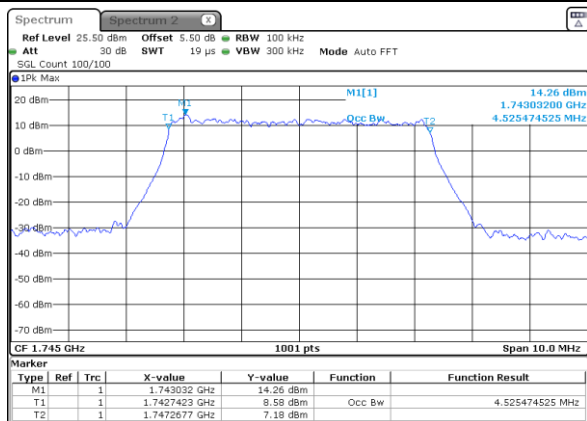
QPSK



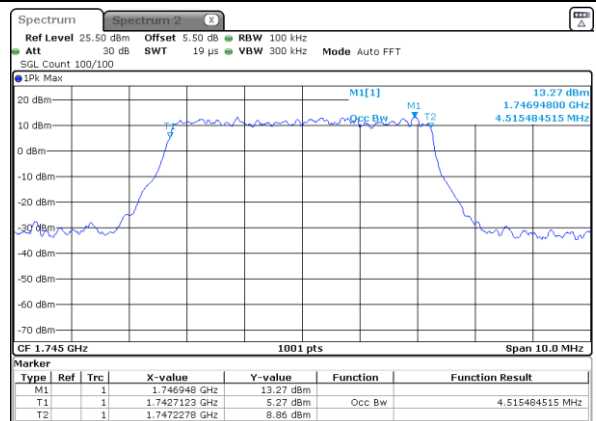
16QAM



64QAM

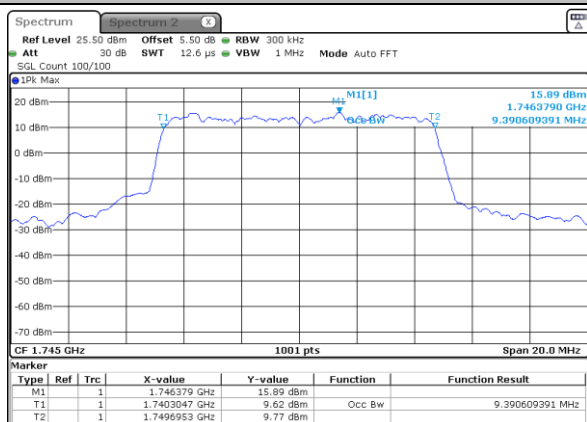


256QAM



FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



16QAM

