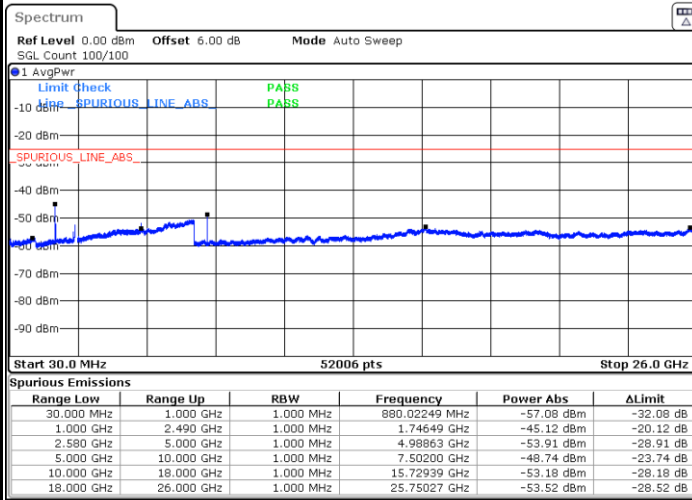




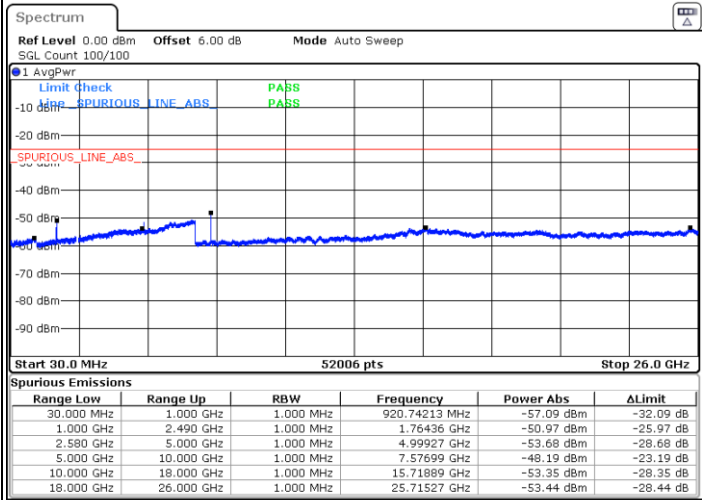
FR1 n7 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



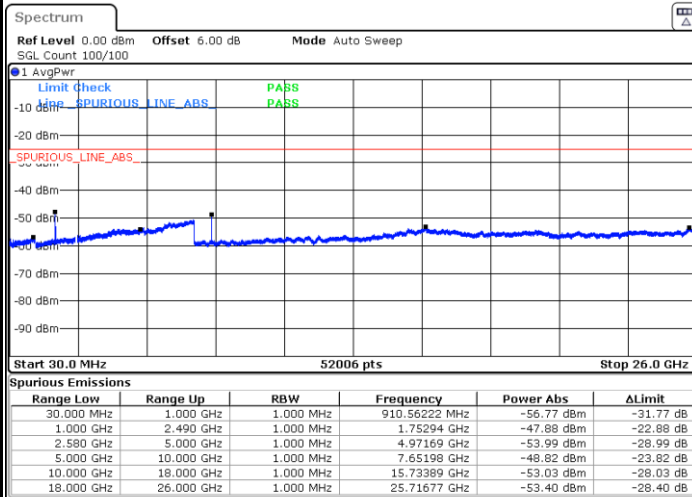
Date: 9 JUN. 2022 22:35:00

Middle Channel / 1RB1



Date: 9 JUN. 2022 22:38:44

Highest Channel / 1RB1

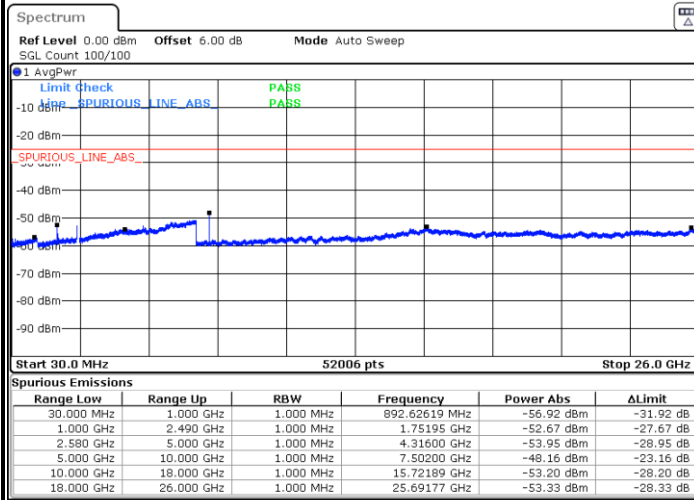


Date: 9 JUN. 2022 22:44:20



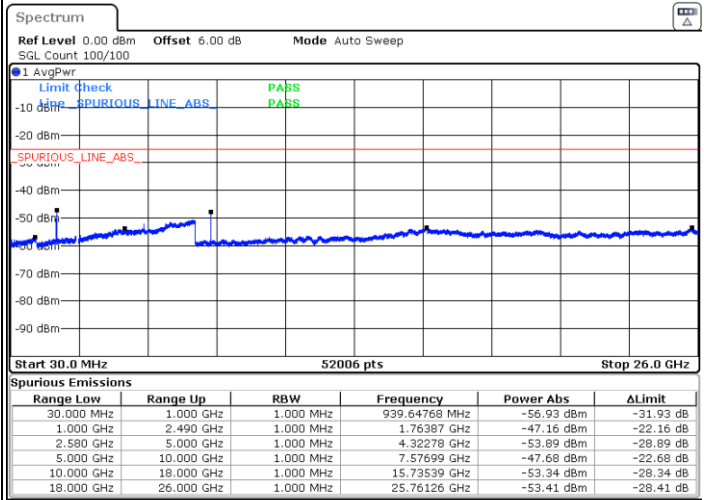
FR1 n7 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



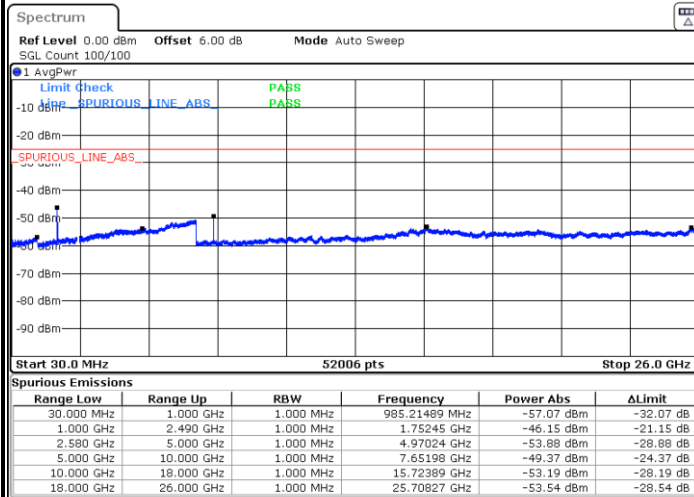
Date: 9 JUN 2022 22:36:20

Middle Channel / 1RB1



Date: 9 JUN 2022 22:39:36

Highest Channel / 1RB1



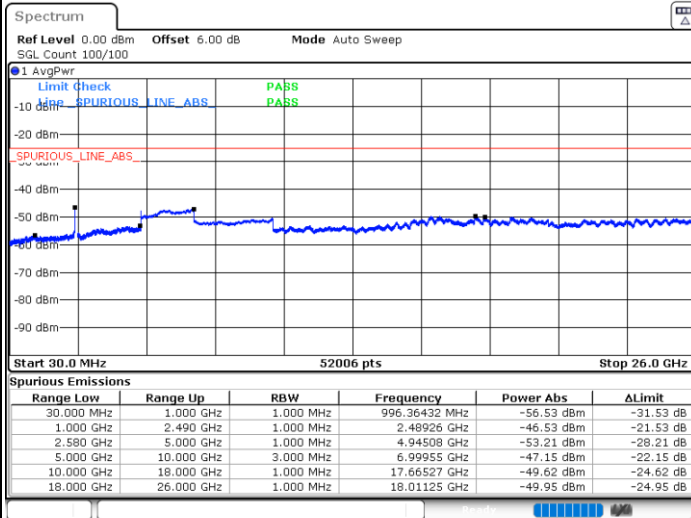
Date: 9 JUN 2022 22:46:19



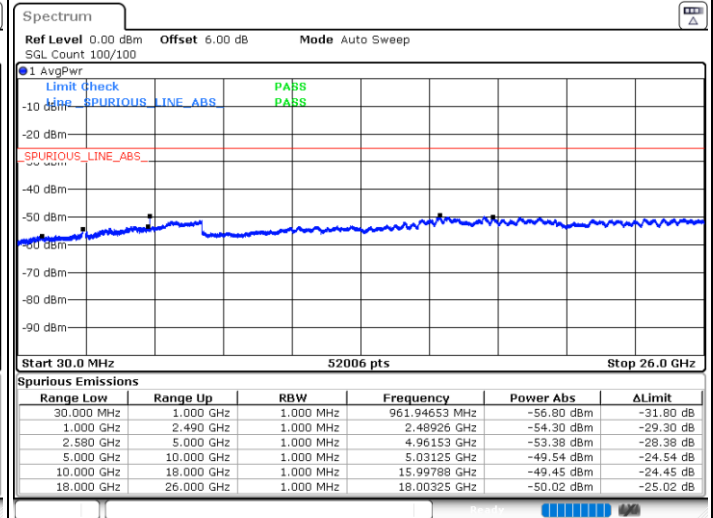
FR1 n7 / 40MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

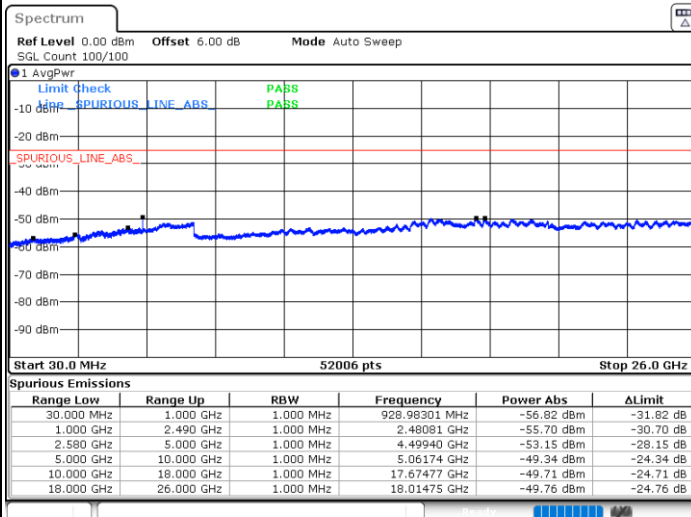


Date: 12.JUN.2022 09:31:25



Date: 12.JUN.2022 09:34:07

Highest Channel / 1RB1



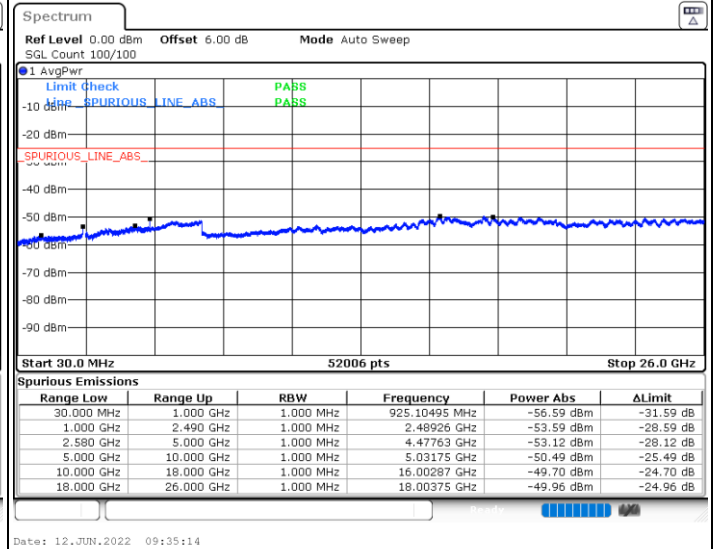
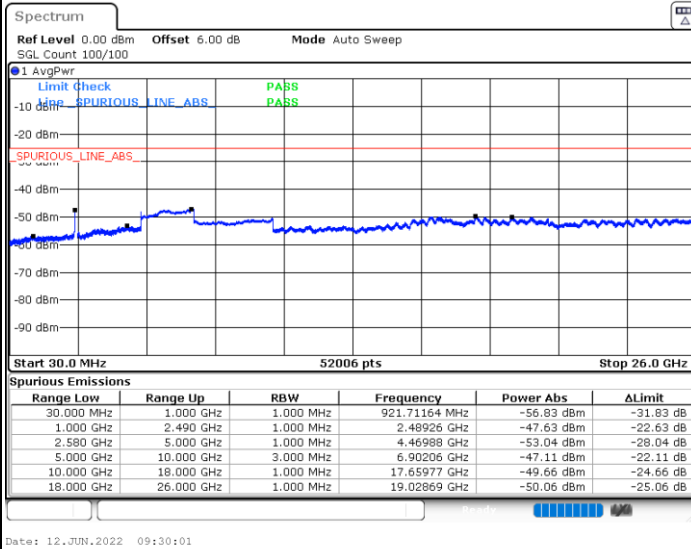
Date: 12.JUN.2022 09:37:51



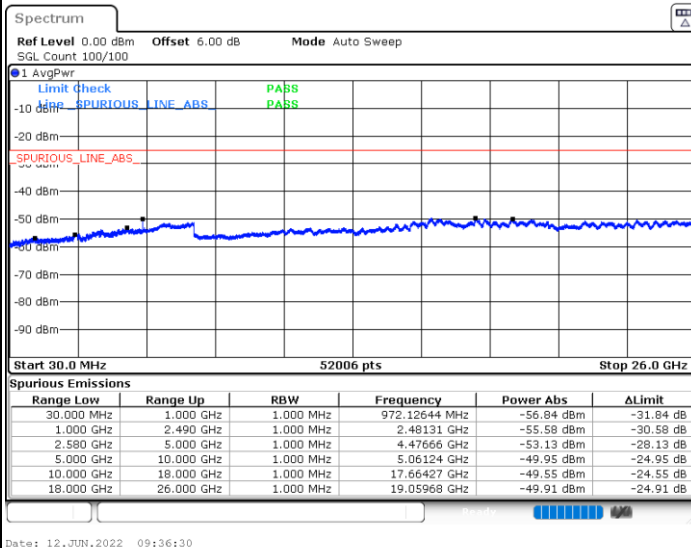
FR1 n7 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1



Highest Channel / 1RB1



**Frequency Stability**

Test Conditions		FR1 n7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0112	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0075	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0054	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0121	
-20	Normal Voltage	0.0034	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0085	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0111	

Note:

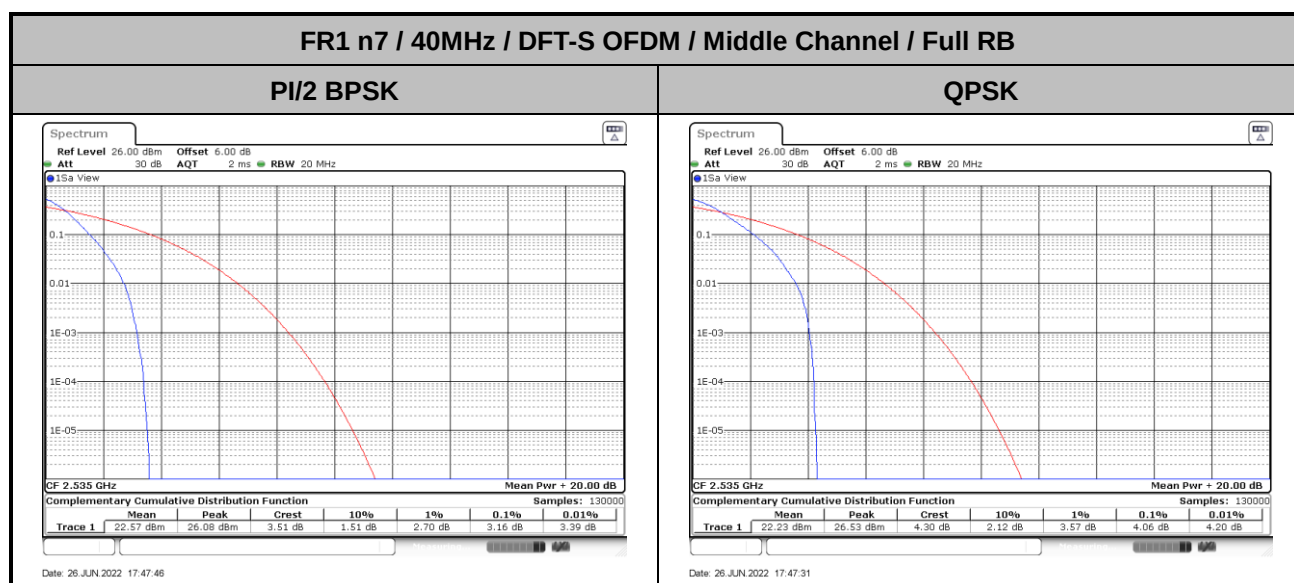
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n7(Other PA)

Peak-to-Average Ratio

Mode	FR1 n7 / 40MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK			Limit: 13dB
RB Size	Full RB	Full RB			Result
Middle CH	3.16	4.06			PASS



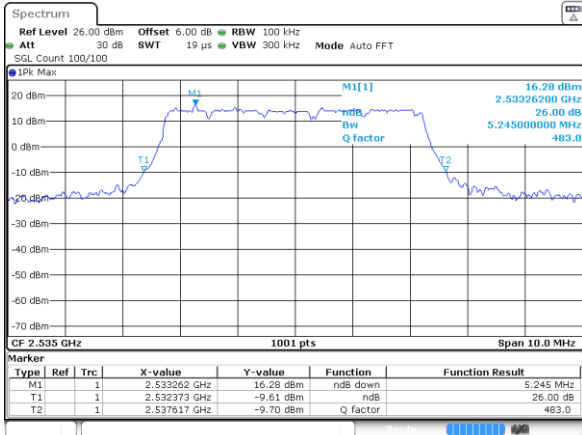
**26dB Bandwidth**

Mode	FR1 n7 : 26dBW (MHz) / CP OFDM													
BW	5MHz		10MHz		15MHz		20MHz		25MHz		30MHz		40MHz	
Mod.	QPSK		QPSK		QPSK		QPSK		QPSK		QPSK		QPSK	
Middle CH	5.25		10.21		15.23		21.34		24.86		29.81		41.08	
Mod.	16QA M	64QA M	16QA M	64QA M	16QA M	64QA M	16QA M	64QA M	16QA M	64QA M	16QA M	64QA M	16QA M	64QA M
Middle CH	5.01	5.05	10.03	10.19	14.99	15.02	21.38	21.30	24.86	24.78	29.89	29.73	41.16	41.00
Mod.	256QAM		256QAM		256QAM		256QAM		256QAM		256QAM		256QAM	
Middle CH	5.11		10.27		15.02		21.18		24.86		29.49		41.16	



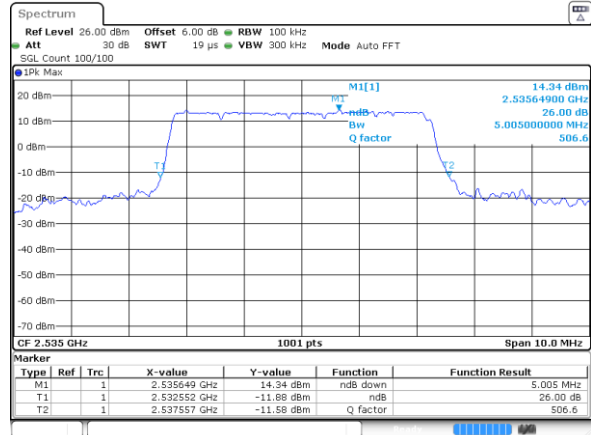
FR1 n7 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



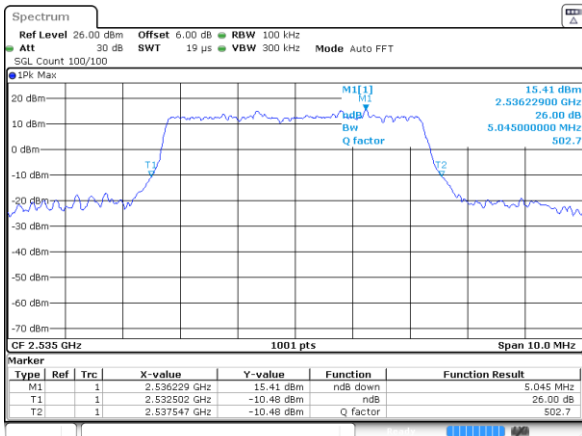
Date: 26 JUN 2022 18:19:11

16QAM



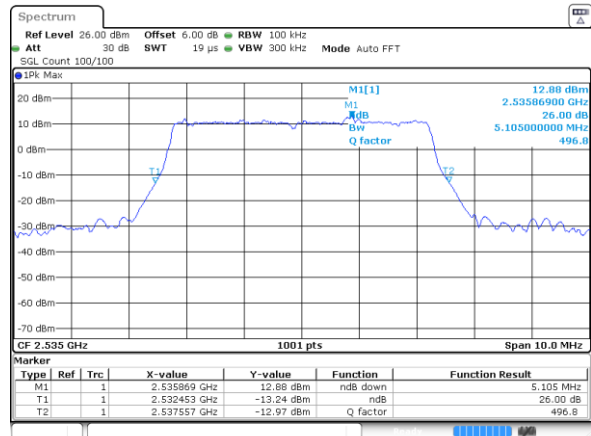
Date: 26 JUN 2022 18:19:32

64QAM



Date: 26 JUN 2022 18:19:52

256QAM

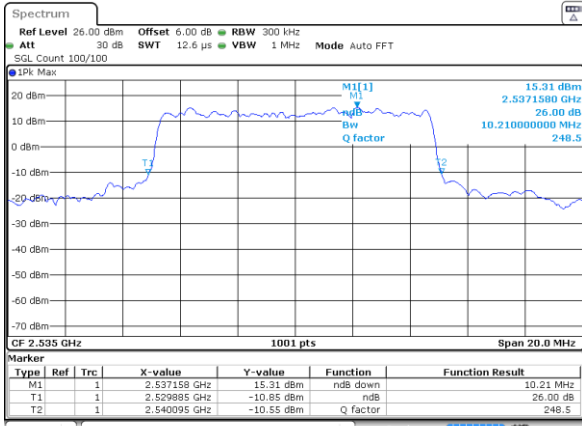


Date: 26 JUN 2022 18:20:13



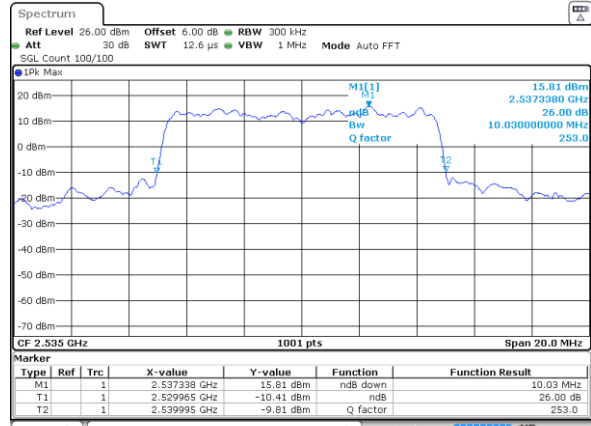
FR1 n7 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



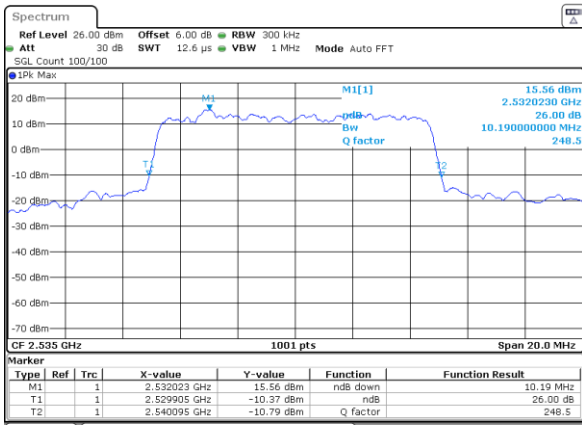
Date: 26 JUN 2022 18:08:23

16QAM



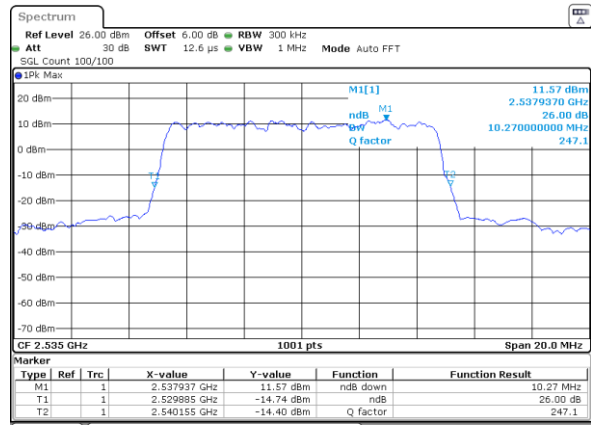
Date: 26 JUN 2022 18:08:02

64QAM



Date: 26 JUN 2022 18:07:45

256QAM

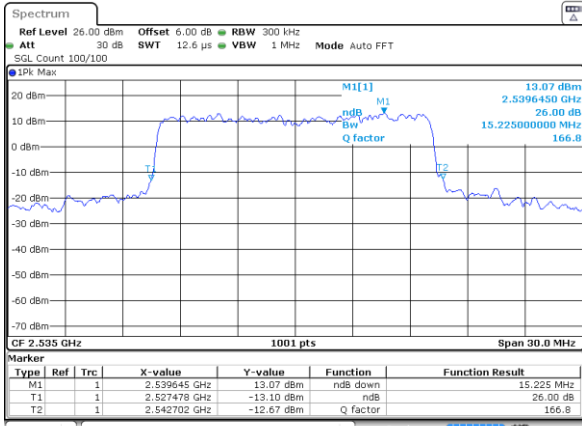


Date: 26 JUN 2022 18:07:27



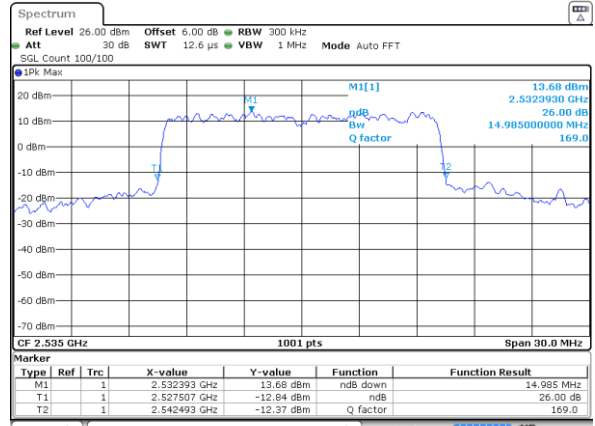
FR1 n7 /15MHz / CP OFDM / Middle Channel / Full RB

QPSK



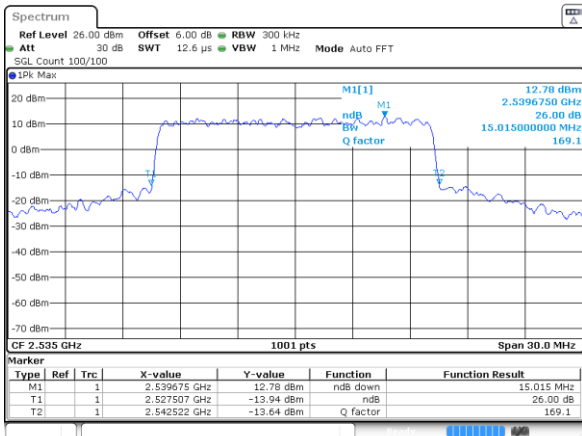
Date: 26 JUN 2022 18:02:06

16QAM



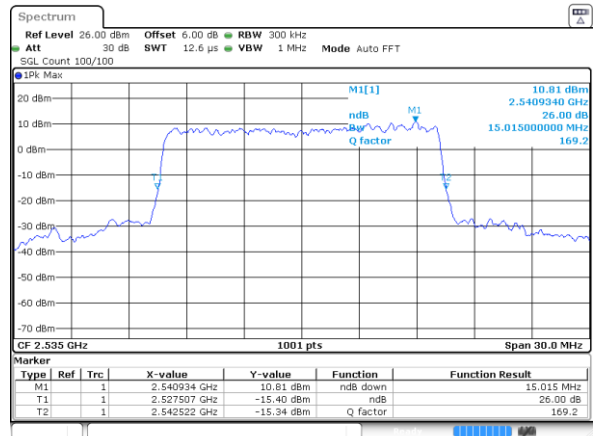
Date: 26 JUN 2022 18:05:45

64QAM



Date: 26 JUN 2022 18:06:19

256QAM

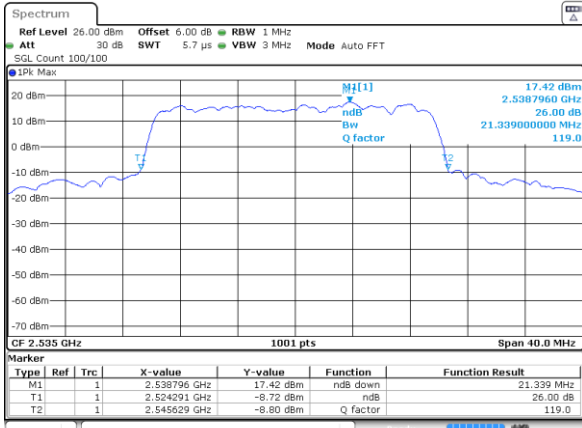


Date: 26 JUN 2022 18:06:43



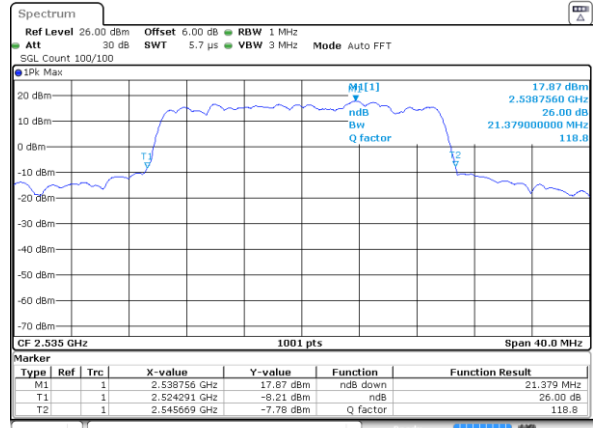
FR1 n7 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



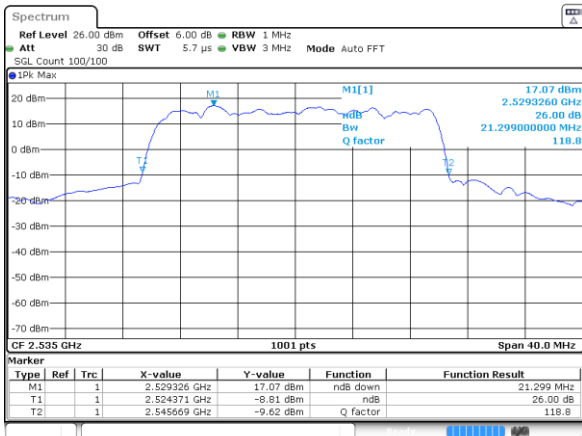
Date: 26 JUN 2022 17:40:37

16QAM



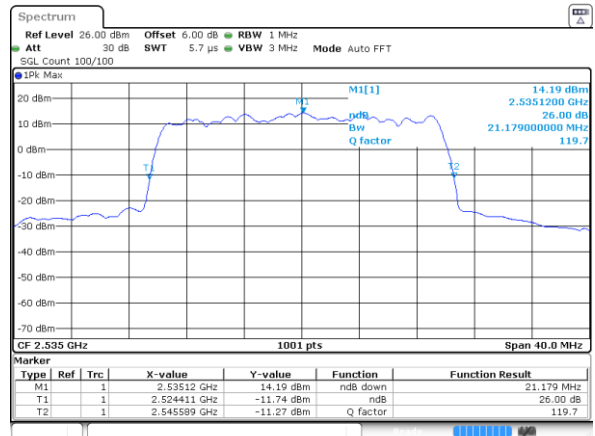
Date: 26 JUN 2022 17:40:56

64QAM



Date: 26 JUN 2022 17:41:13

256QAM

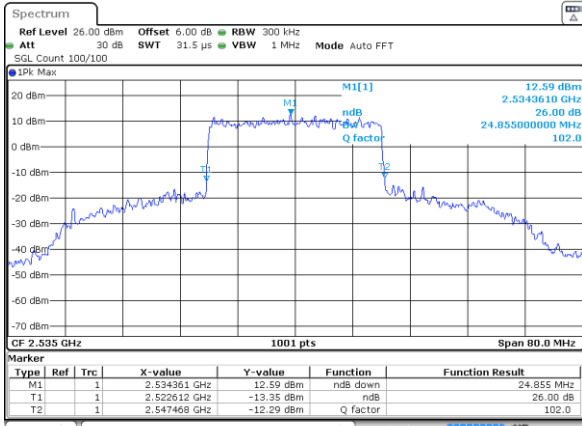


Date: 26 JUN 2022 17:41:35

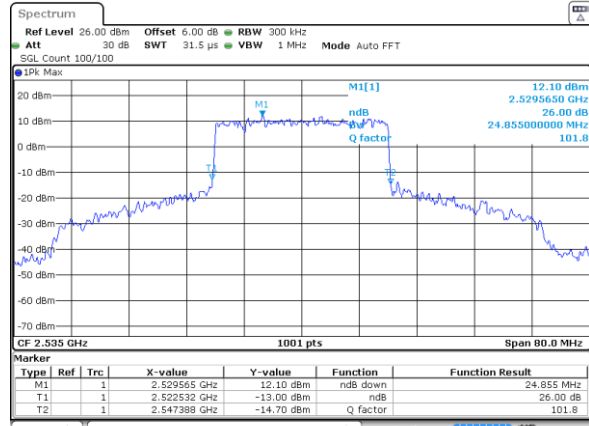


FR1 n7 / 25MHz / CP OFDM / Middle Channel / Full RB

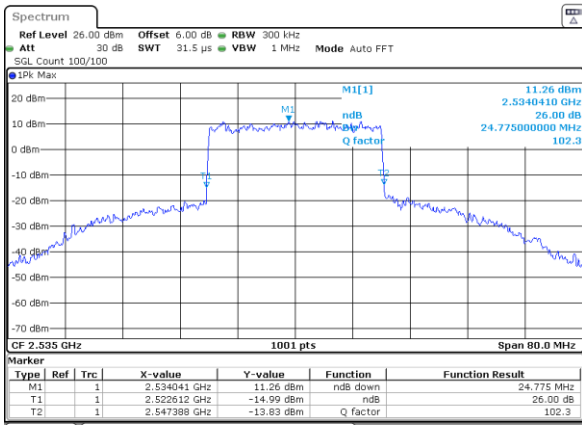
QPSK



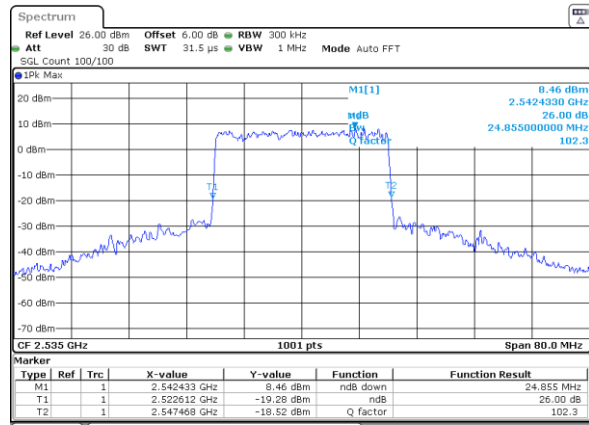
16QAM



64QAM



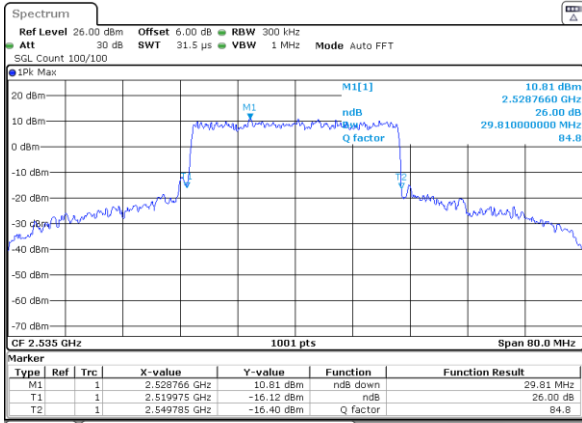
256QAM





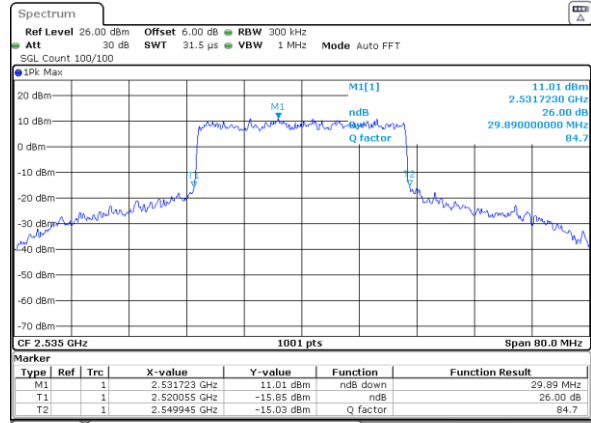
FR1 n7 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



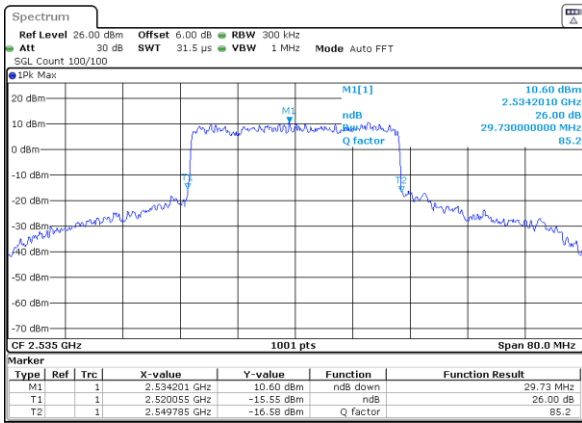
Date: 26 JUN 2022 17:37:38

16QAM



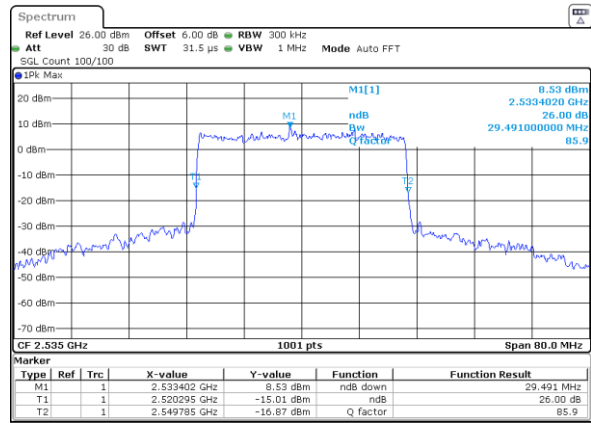
Date: 26 JUN 2022 17:37:57

64QAM



Date: 26 JUN 2022 17:38:14

256QAM

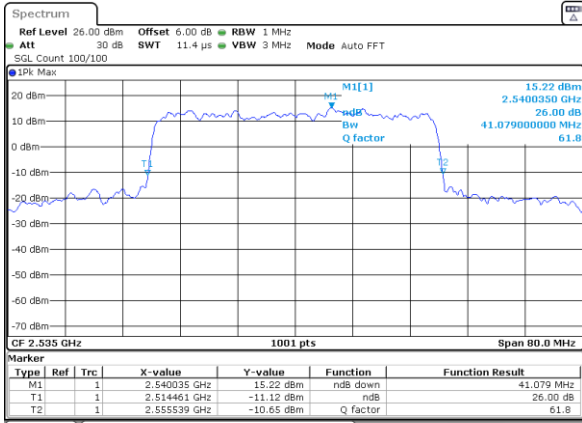


Date: 26 JUN 2022 17:38:35



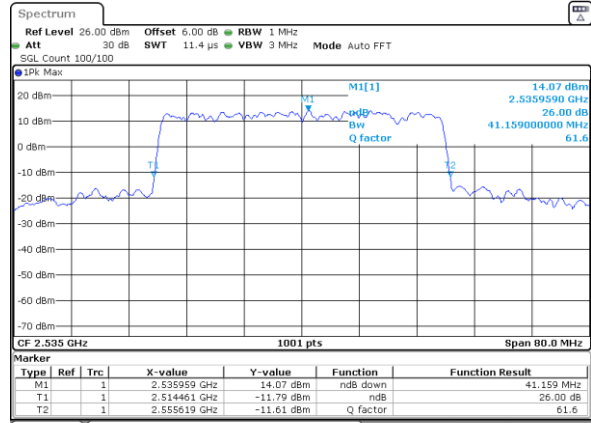
FR1 n7 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



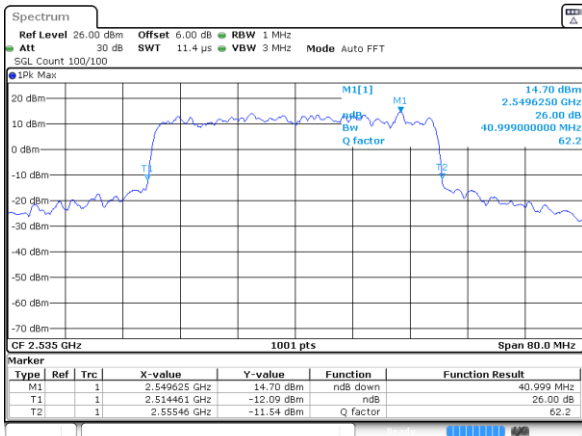
Date: 26 JUN 2022 17:23:02

16QAM



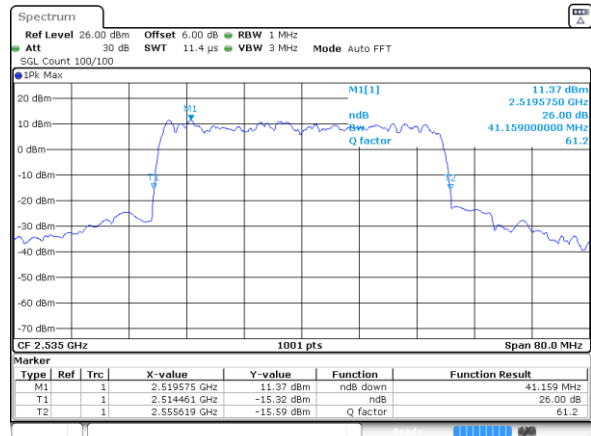
Date: 26 JUN 2022 17:23:21

64QAM



Date: 26 JUN 2022 17:23:39

256QAM



Date: 26 JUN 2022 17:24:01

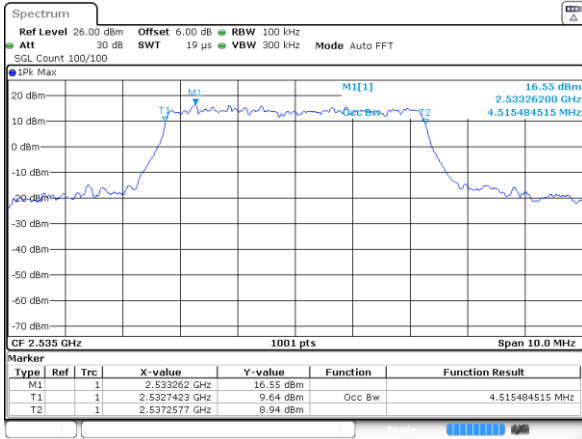
**Occupied Bandwidth**

Mode	FR1 n7 : 99%OBW (MHz) / CP OFDM													
BW	5MHz		10MHz		15MHz		20MHz		25MHz		30MHz		40MHz	
Mod.	QPSK		QPSK		QPSK		QPSK		QPSK		QPSK		QPSK	
Middle CH	4.52		9.43		14.15		19.46		23.82		28.53		38.76	
Mod.	16QA M	64QA M	16QA M	64QA M	16QA M	64QA M	16QA M	64QA M	16QA M	64QA M	16QA M	64QA M	16QA M	64QA M
Middle CH	4.49	4.50	9.35	9.39	14.15	14.12	19.70	19.42	23.82	23.74	28.61	28.53	38.76	38.68
Mod.	256QAM		256QAM		256QAM		256QAM		256QAM		256QAM		256QAM	
Middle CH	4.50		9.39		14.18		19.50		23.66		28.45		38.68	



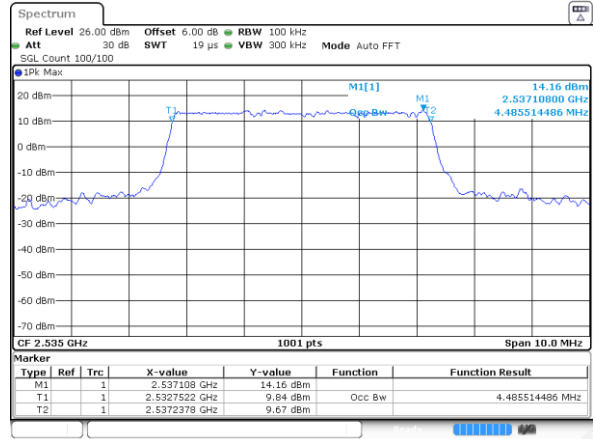
FR1 n7 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK



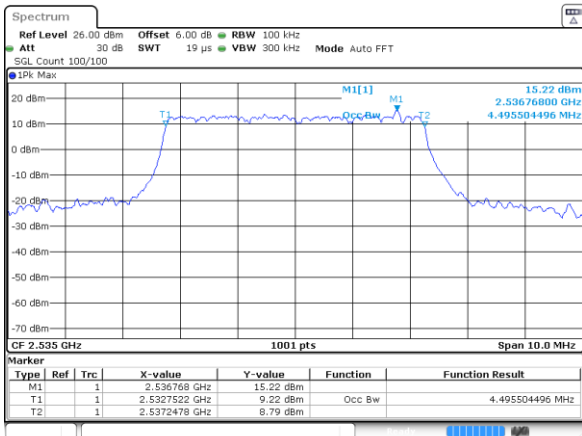
Date: 26 JUN 2022 18:19:01

16QAM



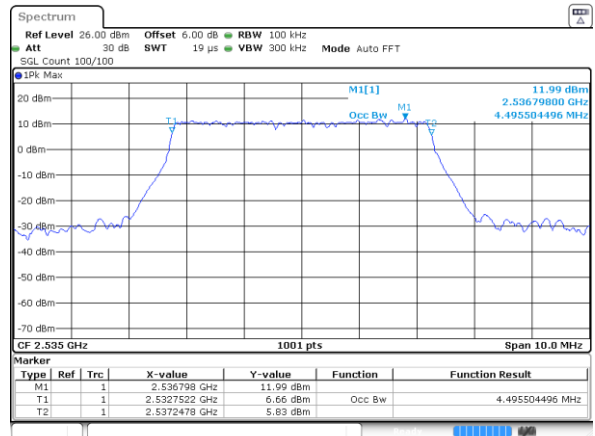
Date: 26 JUN 2022 18:19:25

64QAM



Date: 26 JUN 2022 18:19:44

256QAM

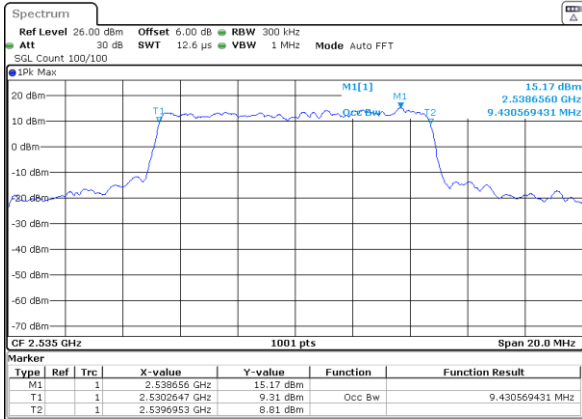


Date: 26 JUN 2022 18:20:06



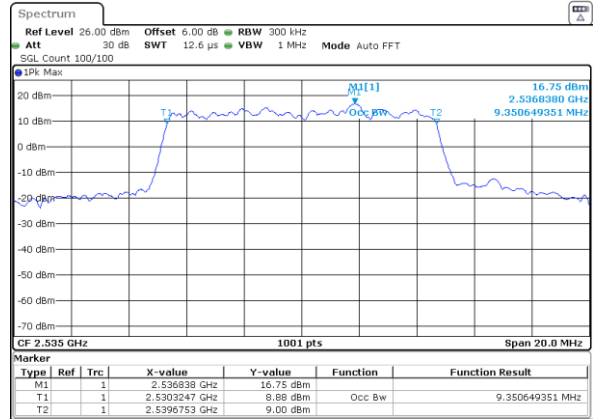
FR1 n7 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



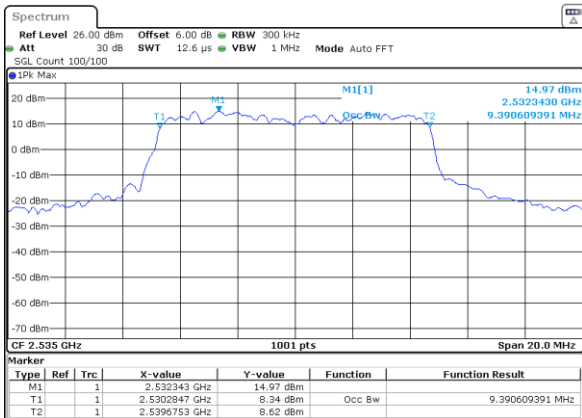
Date: 26 JUN 2022 18:08:13

16QAM



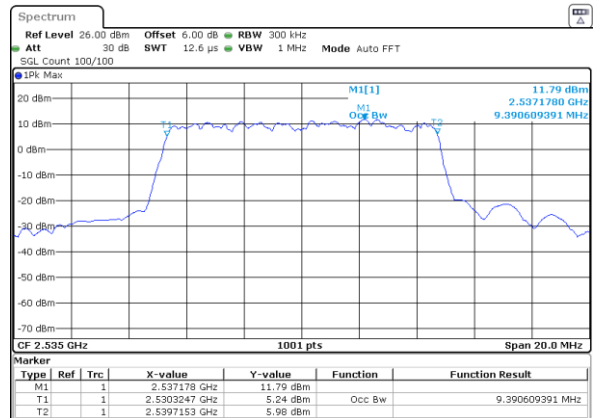
Date: 26 JUN 2022 18:07:56

64QAM



Date: 26 JUN 2022 18:07:39

256QAM

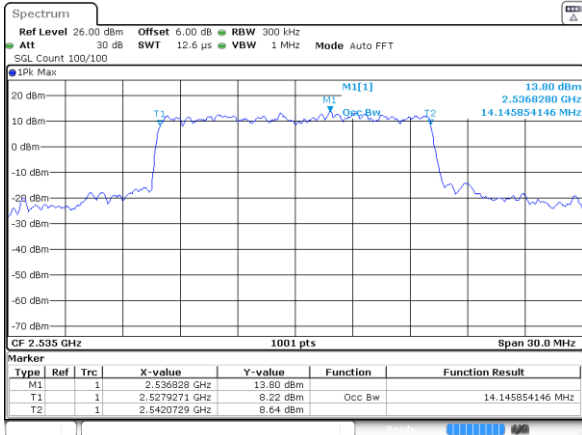


Date: 26 JUN 2022 18:07:19

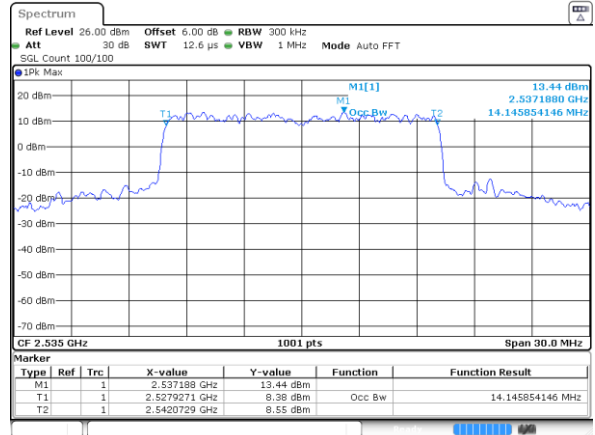


FR1 n7 /15MHz / CP OFDM / Middle Channel / Full RB

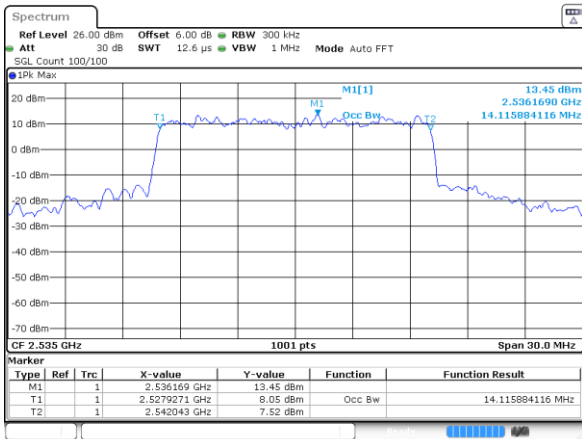
QPSK



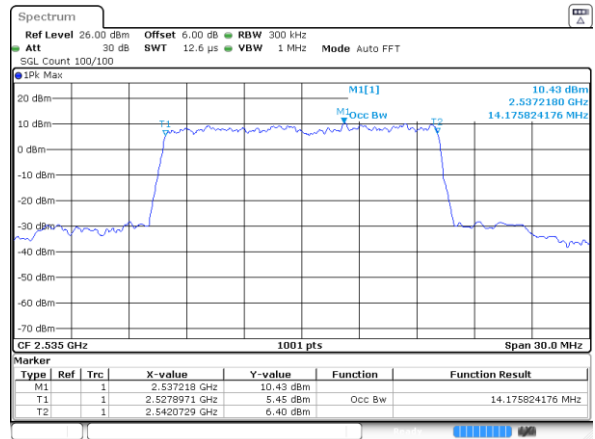
16QAM



64QAM



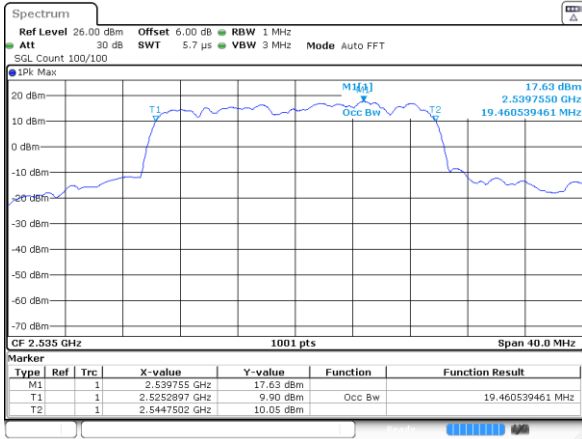
256QAM



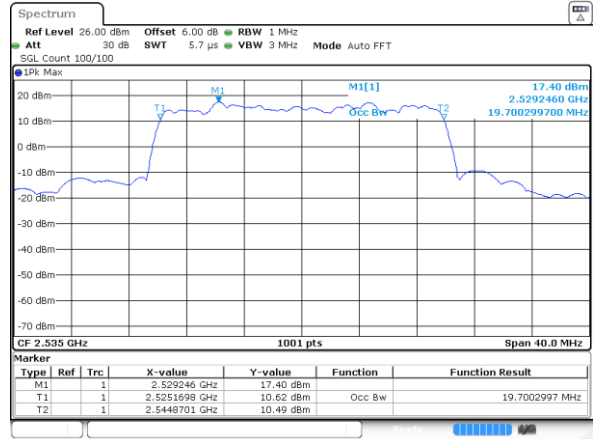


FR1 n7 / 20MHz / CP OFDM / Middle Channel / Full RB

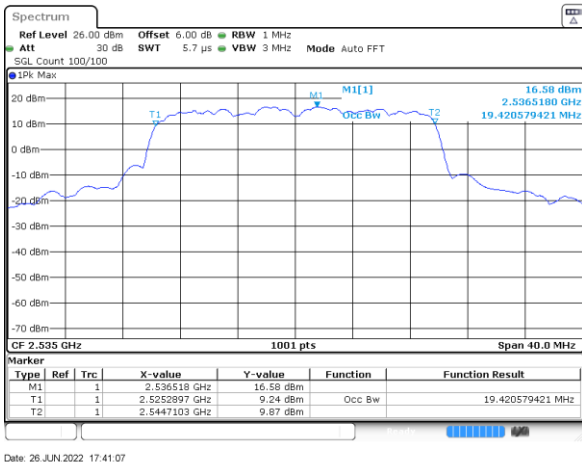
QPSK



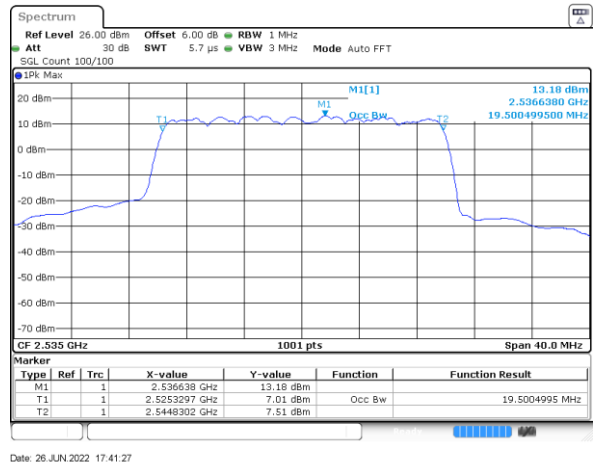
16QAM



64QAM



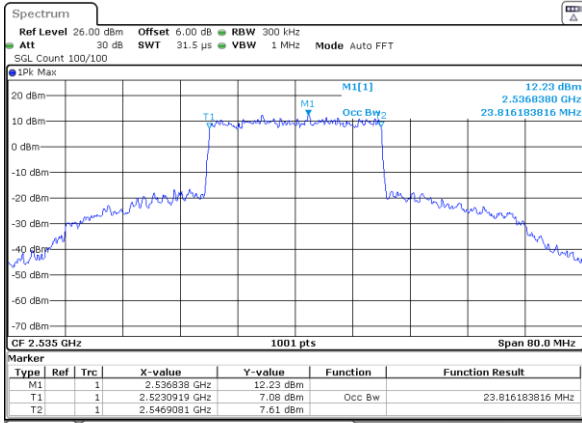
256QAM



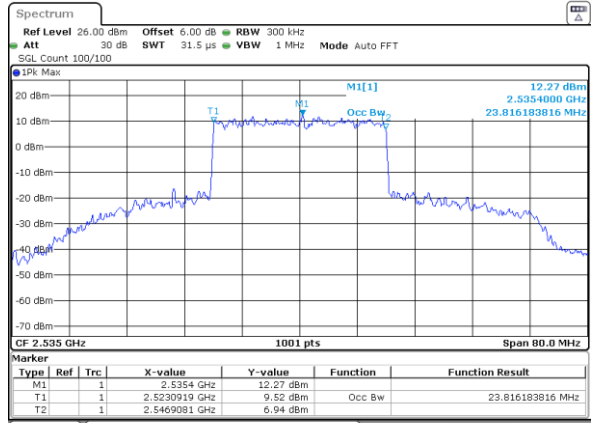


FR1 n7 / 25MHz / CP OFDM / Middle Channel / Full RB

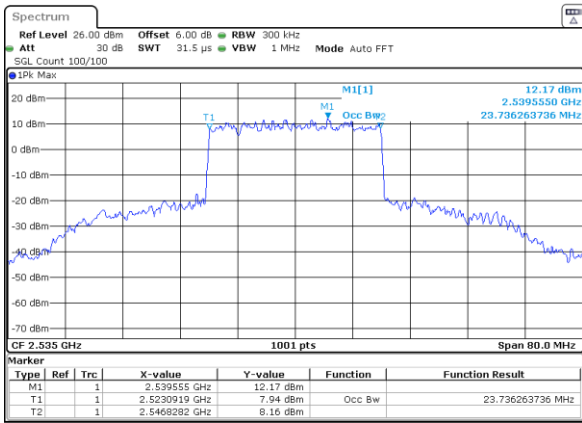
QPSK



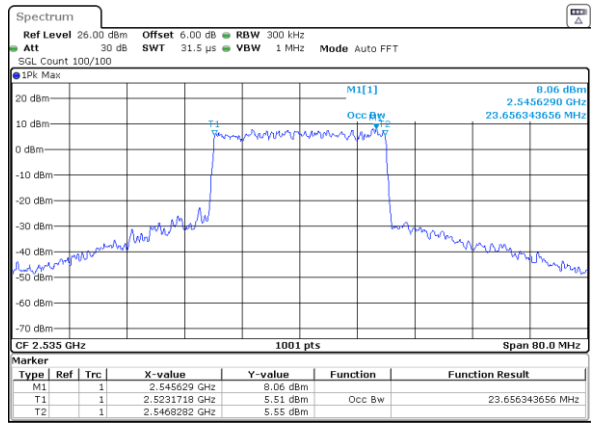
16QAM



64QAM



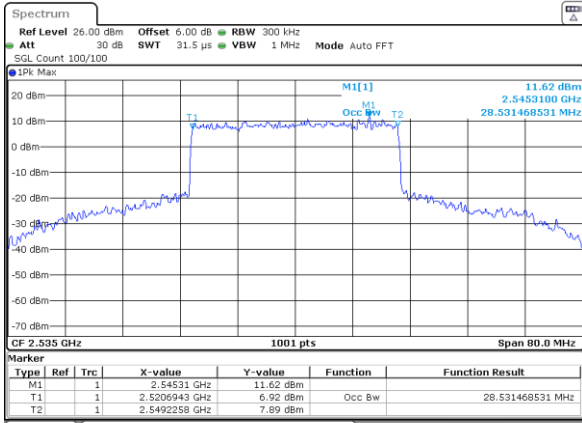
256QAM





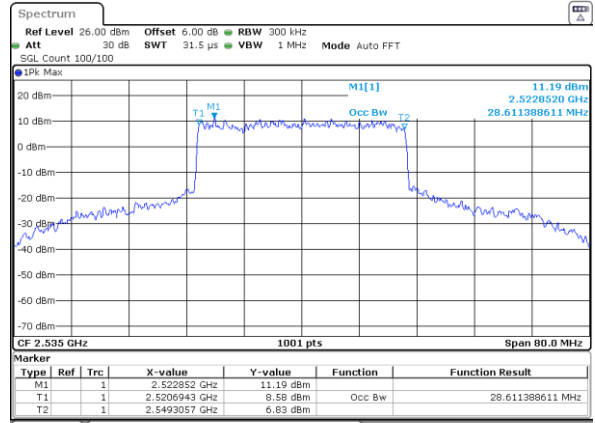
FR1 n7/ 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



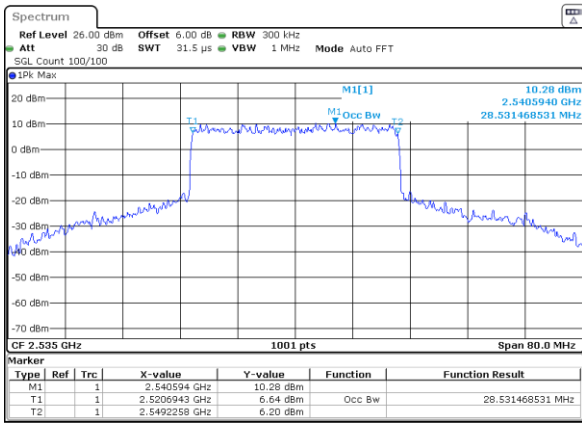
Date: 26 JUN 2022 17:37:32

16QAM



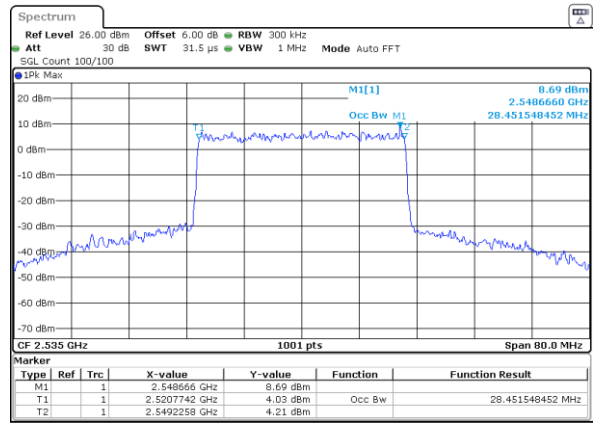
Date: 26 JUN 2022 17:37:50

64QAM



Date: 26 JUN 2022 17:38:07

256QAM

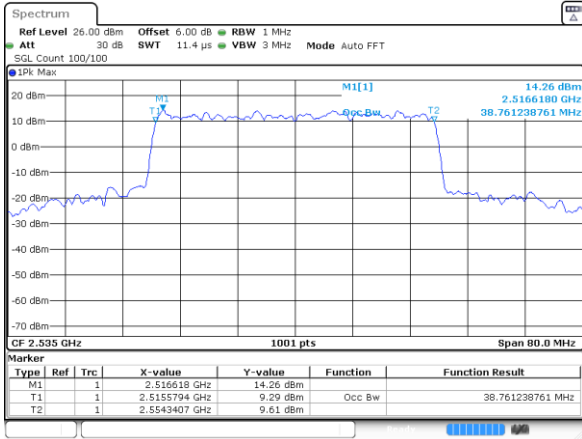


Date: 26 JUN 2022 17:38:29

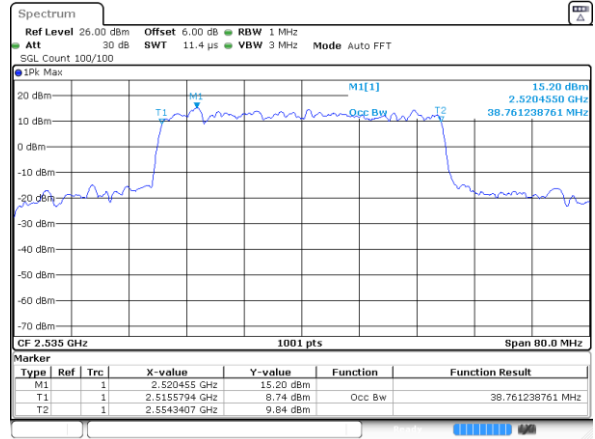


FR1 n7 / 40MHz / CP OFDM / Middle Channel / Full RB

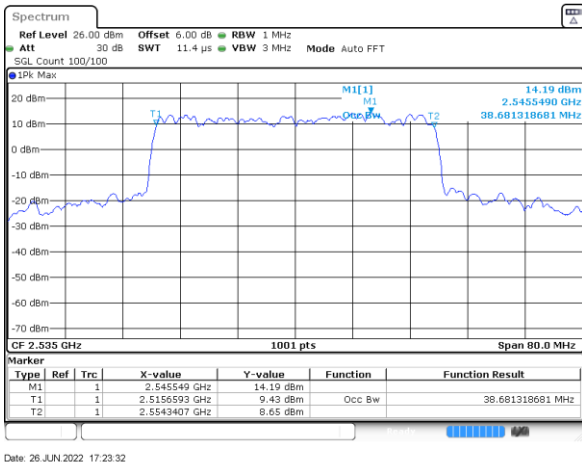
QPSK



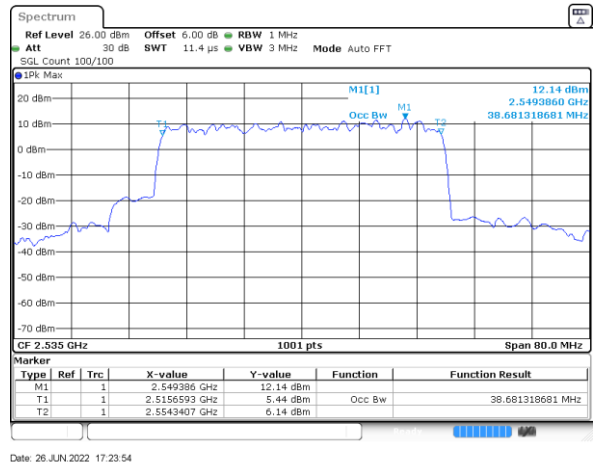
16QAM



64QAM



256QAM



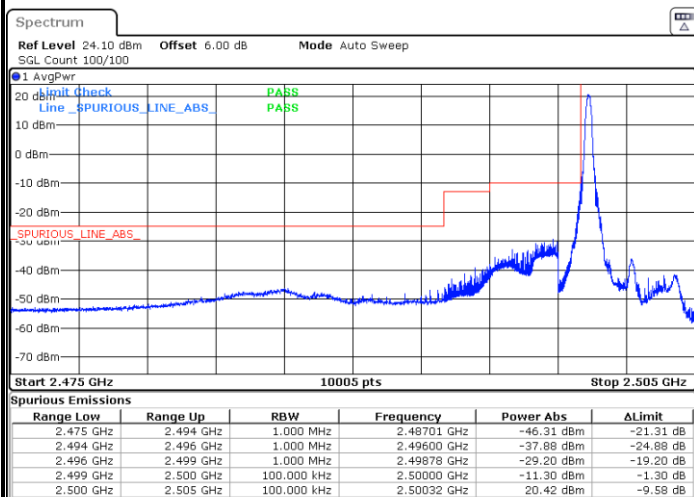


Conducted Band Edge

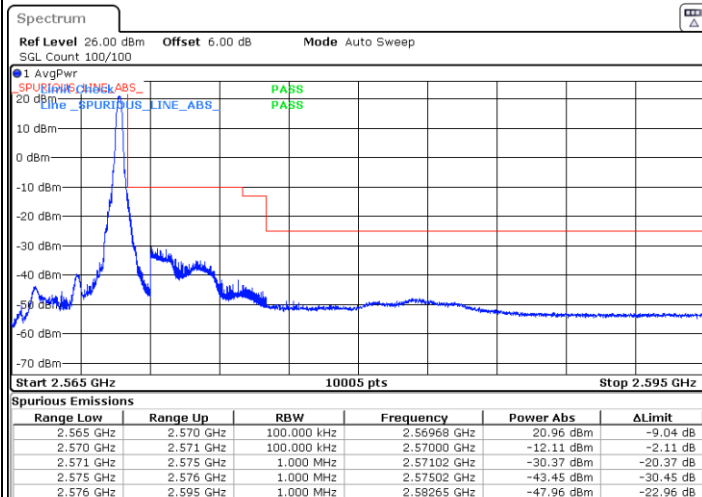
FR1 n7 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



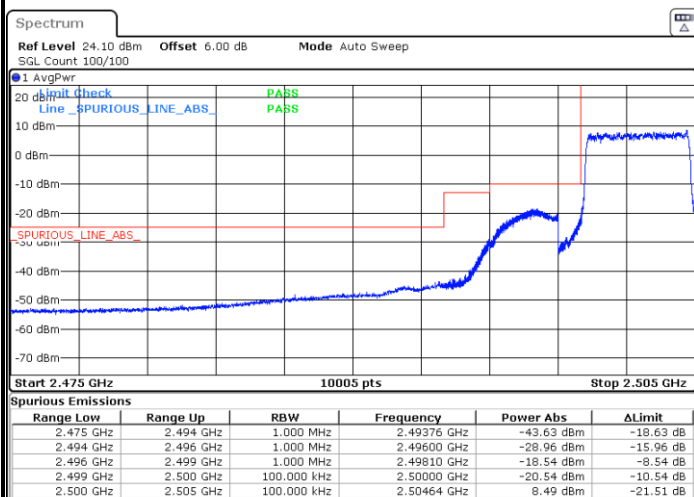
Date: 26 JUN 2022 18:25:18



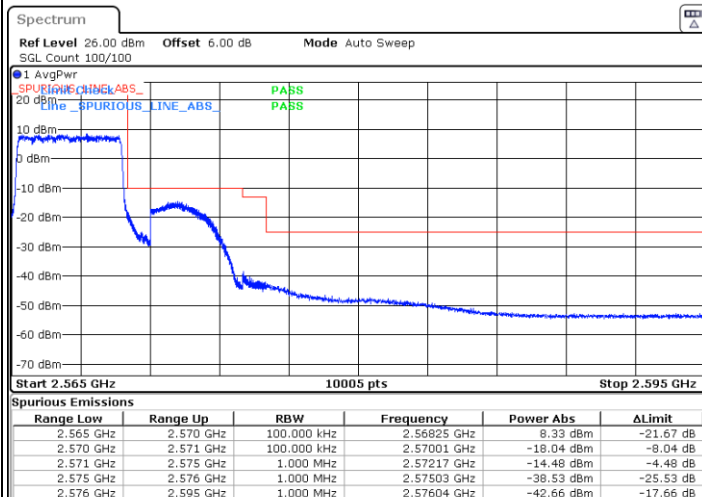
Date: 26 JUN 2022 18:29:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2022 18:27:30



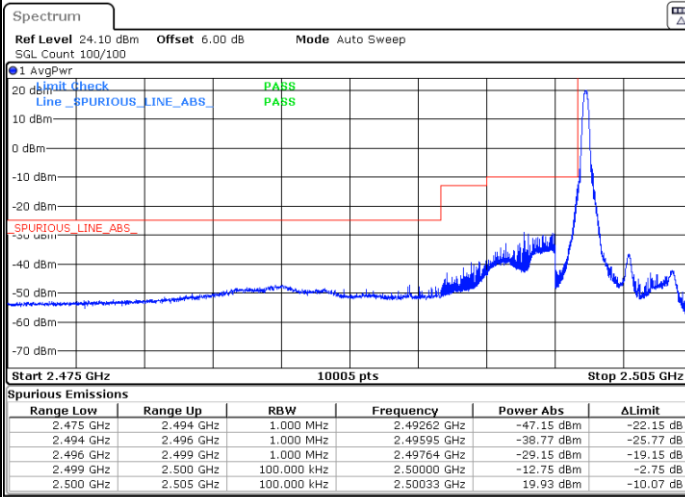
Date: 26 JUN 2022 18:28:01



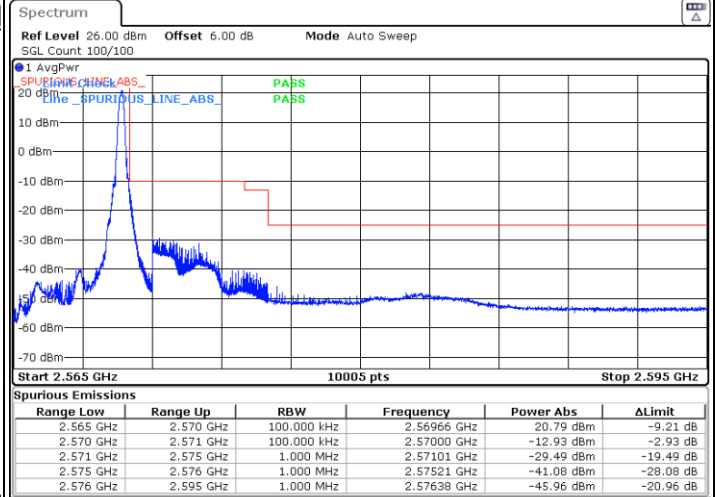
FR1 n7 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



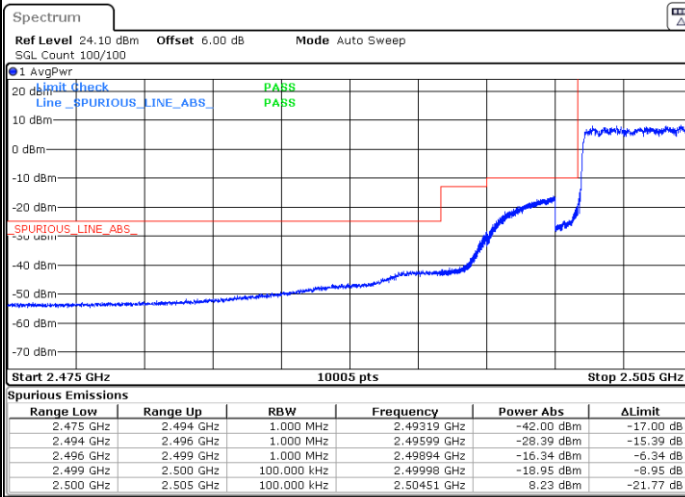
Date: 26 JUN 2022 18:26:06



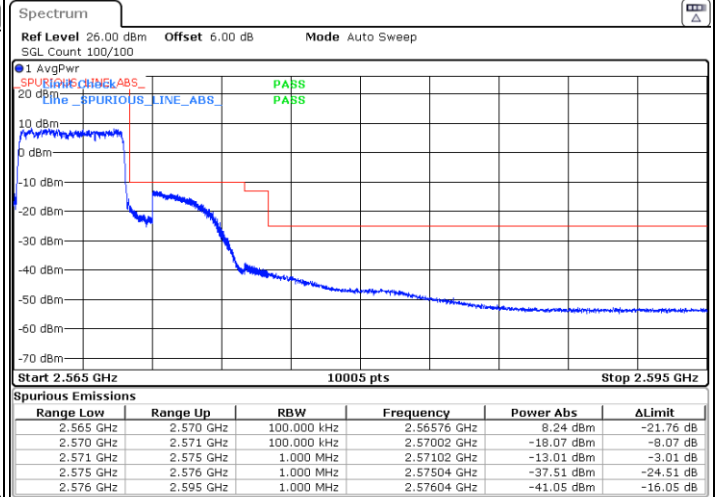
Date: 26 JUN 2022 18:28:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2022 18:26:54

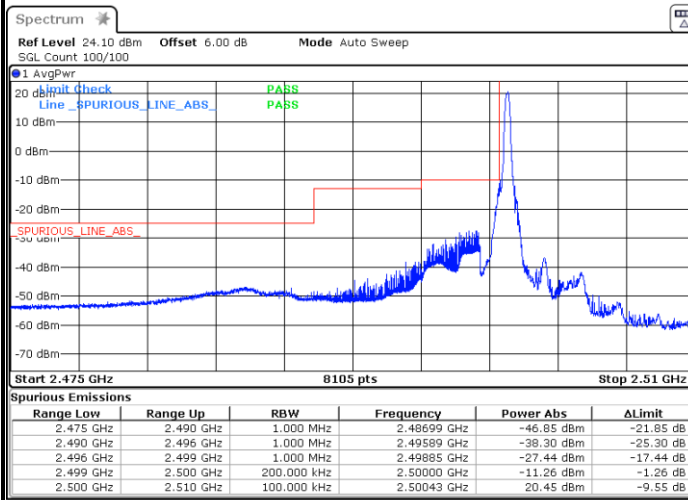


Date: 26 JUN 2022 18:28:20

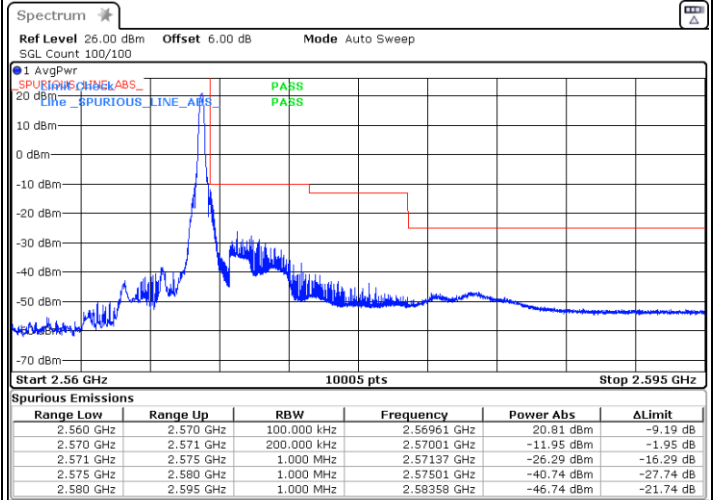


FR1 n7 / 10MHz / DFT-s-OFDM / PI/2 BPSK

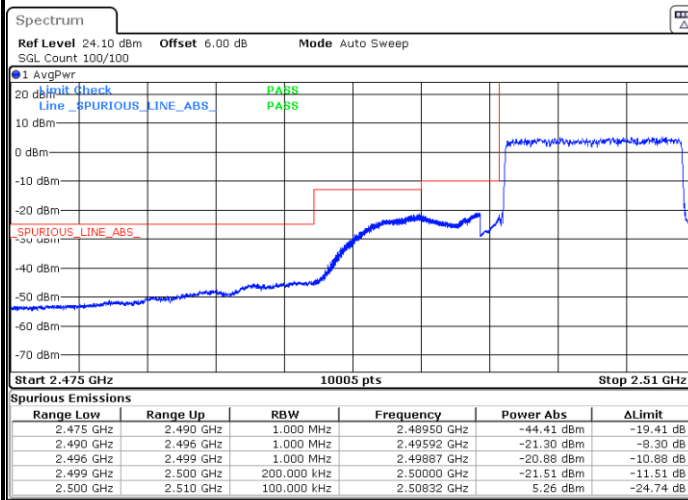
Lowest Band Edge / 1RB0



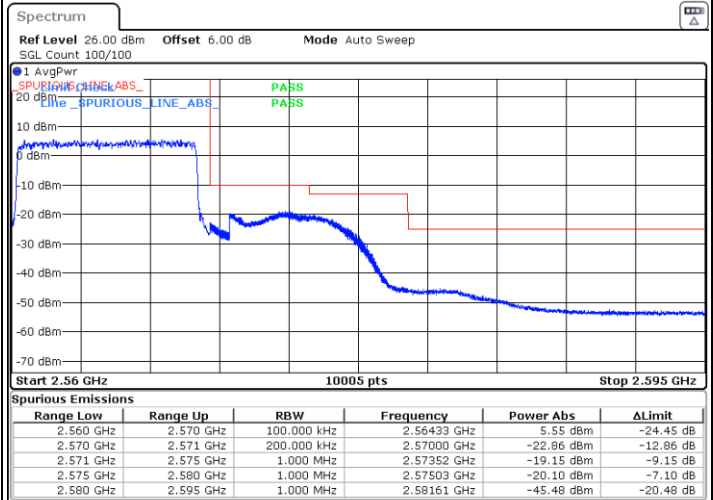
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

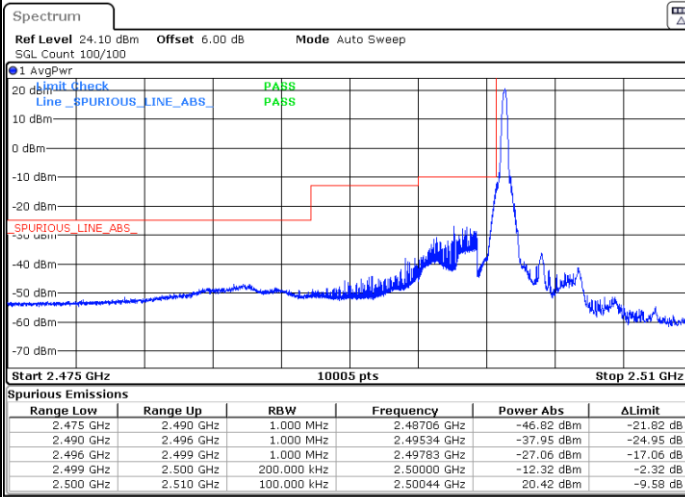




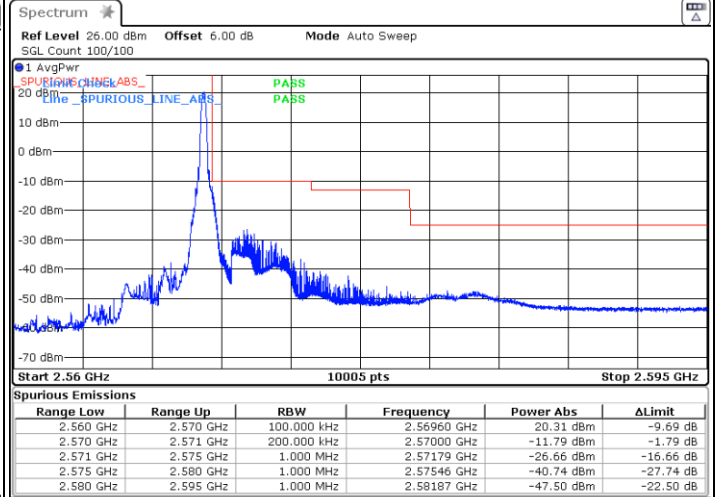
FR1 n7 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



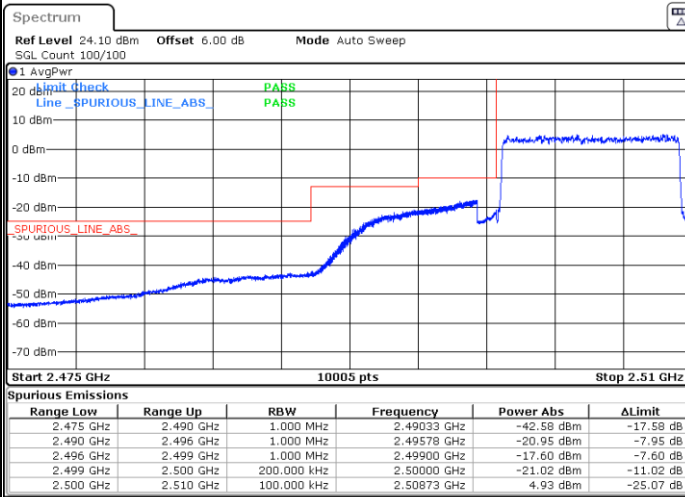
Date: 26 JUN 2022 18:14:14



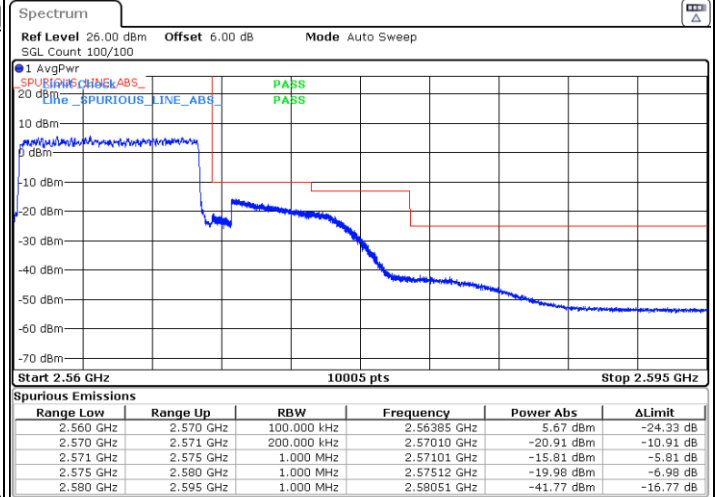
Date: 26 JUN 2022 18:18:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2022 18:16:29



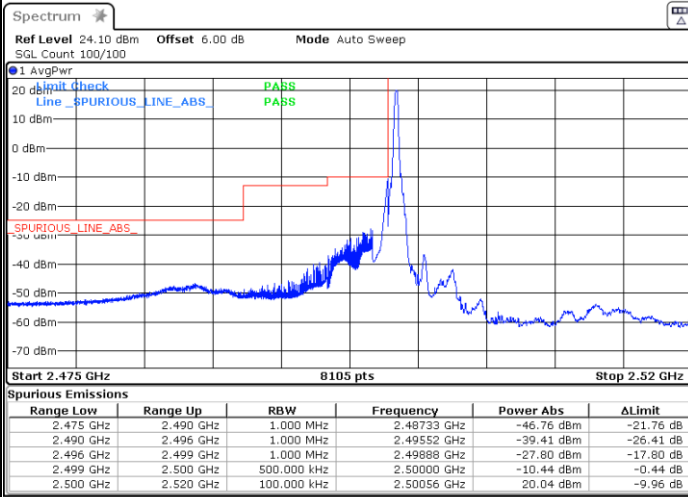
Date: 26 JUN 2022 18:17:01



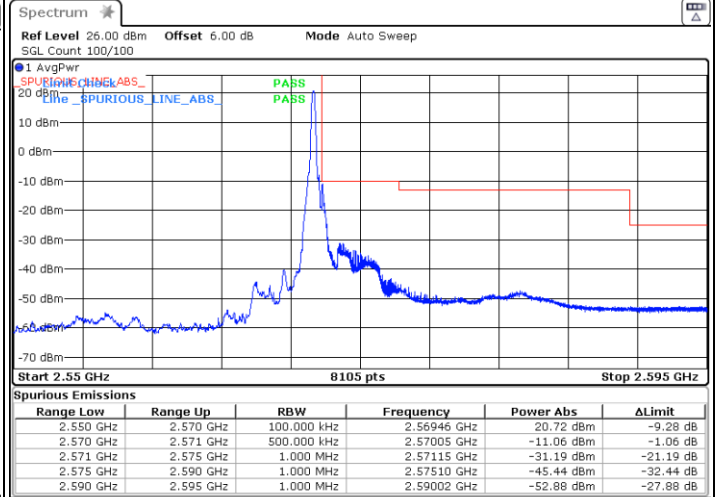
FR1 n7 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

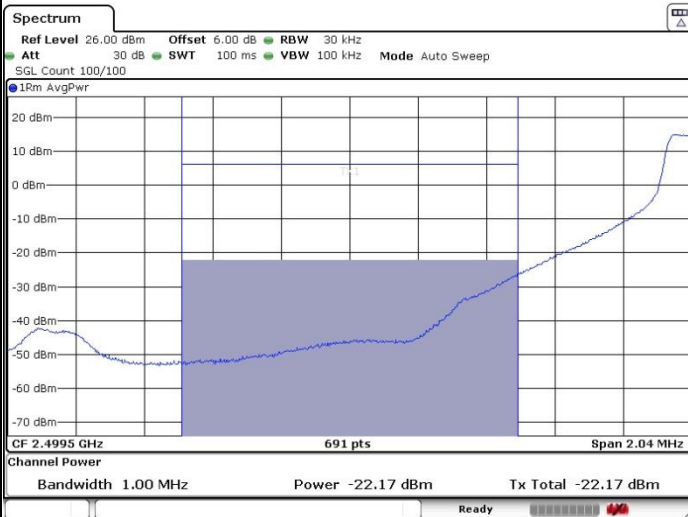
Highest Band Edge / 1RBmax



Date: 26 JUN 2022 18:38:05



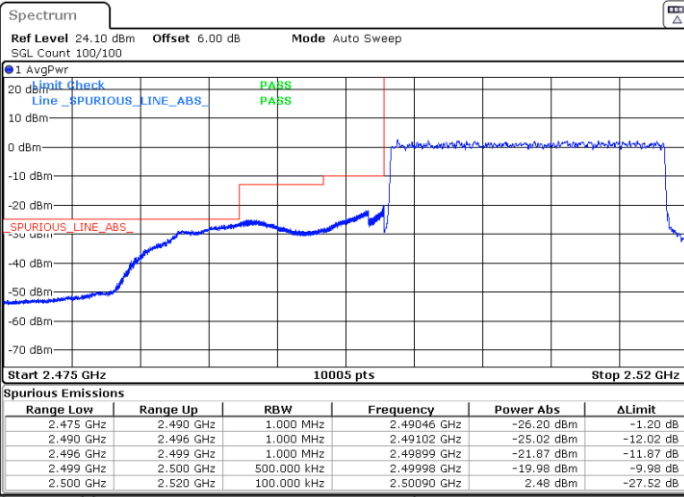
Date: 26 JUN 2022 18:39:51



Date: 26 JUN 2022 18:48:32

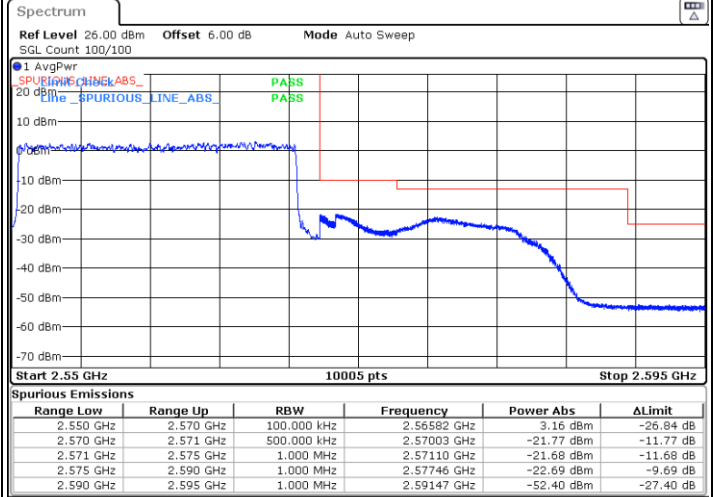


Lowest Band Edge / Full RB



Date: 26 JUN 2022 17:49:49

Highest Band Edge / Full RB



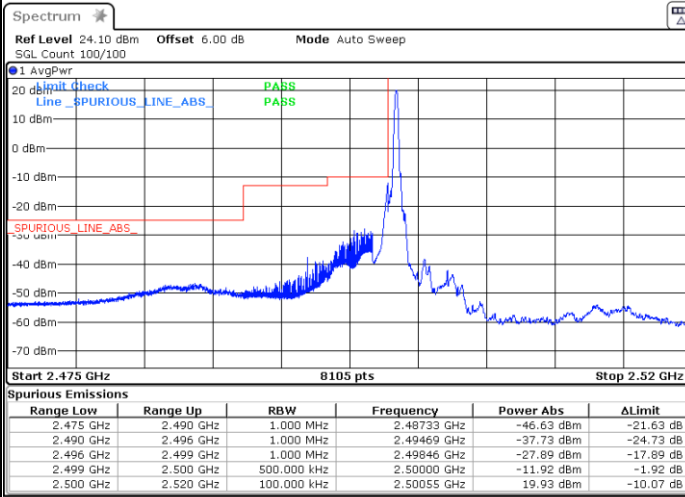
Date: 26 JUN 2022 18:00:44



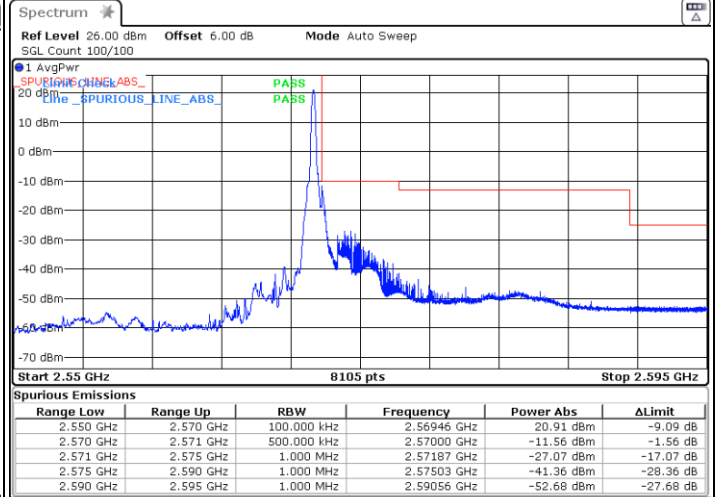
FR1 n7 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



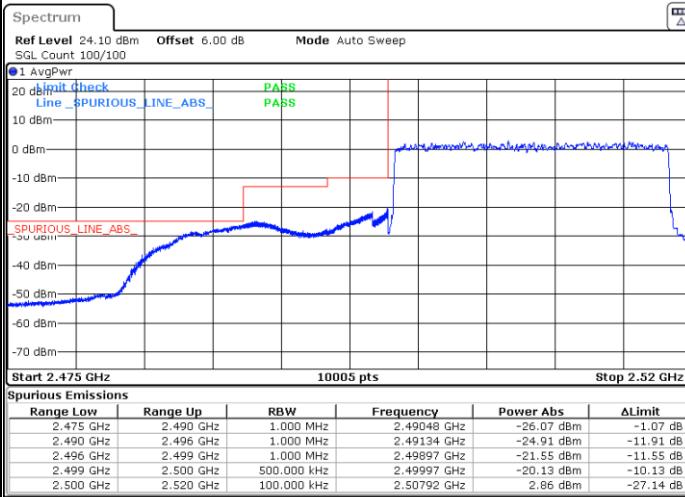
Date: 26 JUN 2022 18:35:57



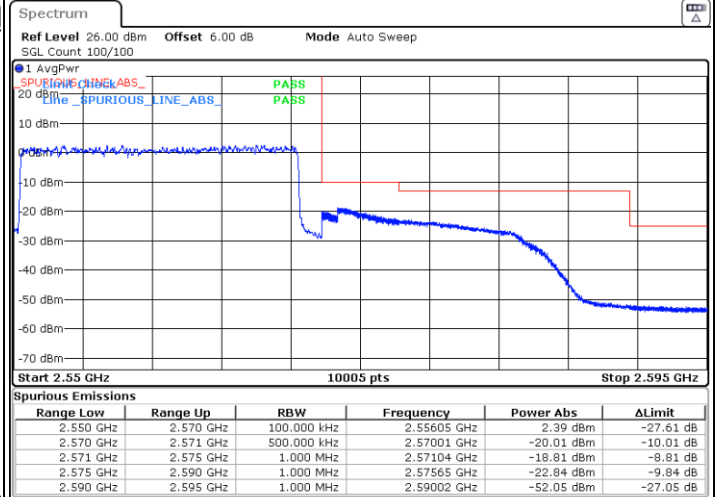
Date: 26 JUN 2022 18:40:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2022 17:49:08



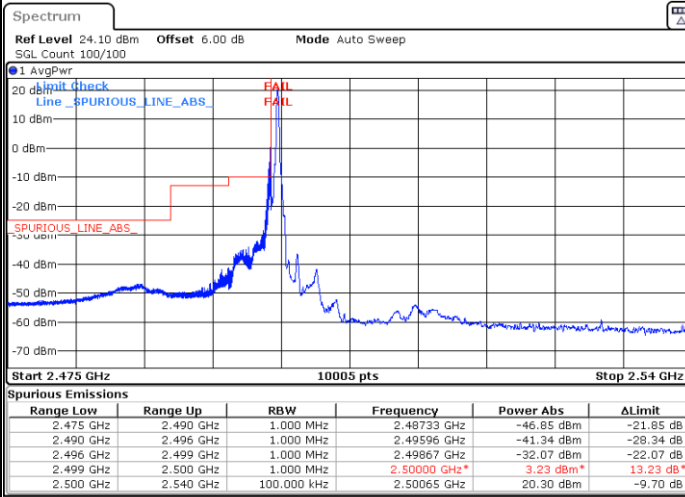
Date: 26 JUN 2022 18:01:25



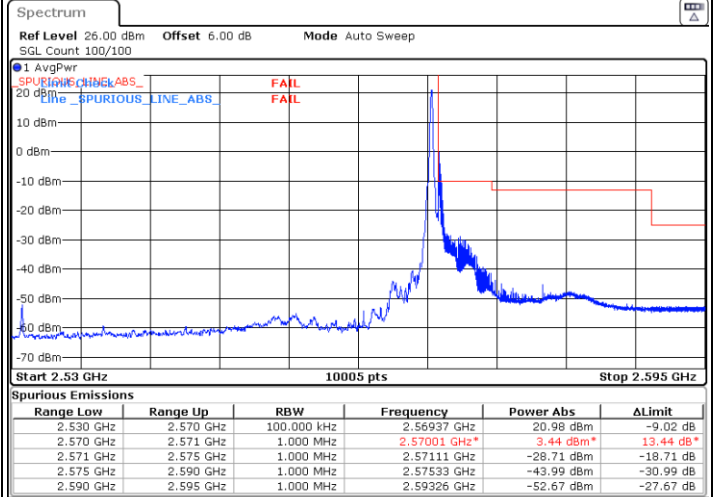
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

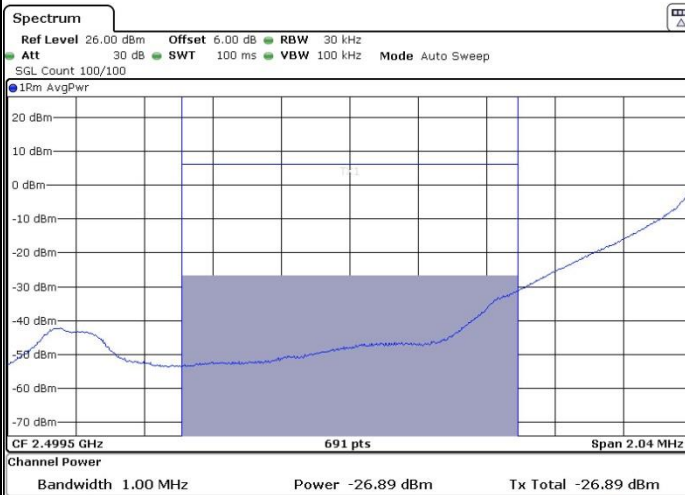
Highest Band Edge / 1RBmax



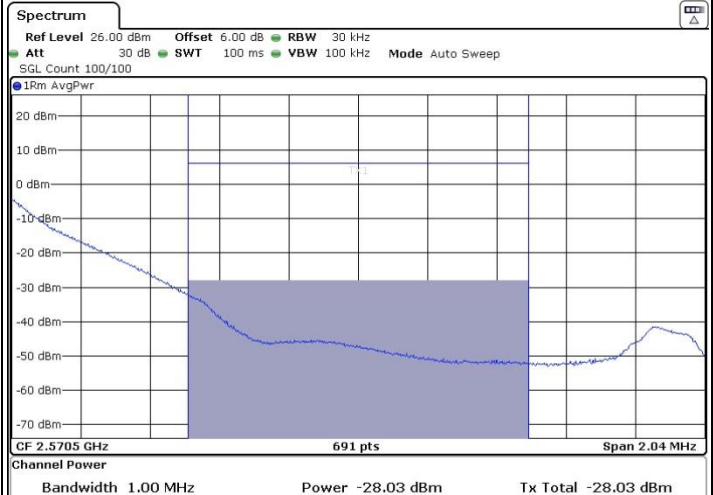
Date: 26 JUN 2022 17:29:44



Date: 26 JUN 2022 17:36:47



Date: 26 JUN 2022 18:50:14

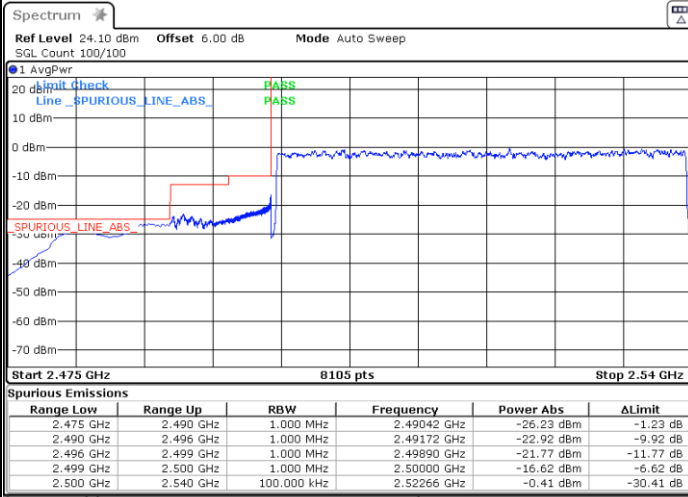


Date: 26 JUN 2022 18:52:37

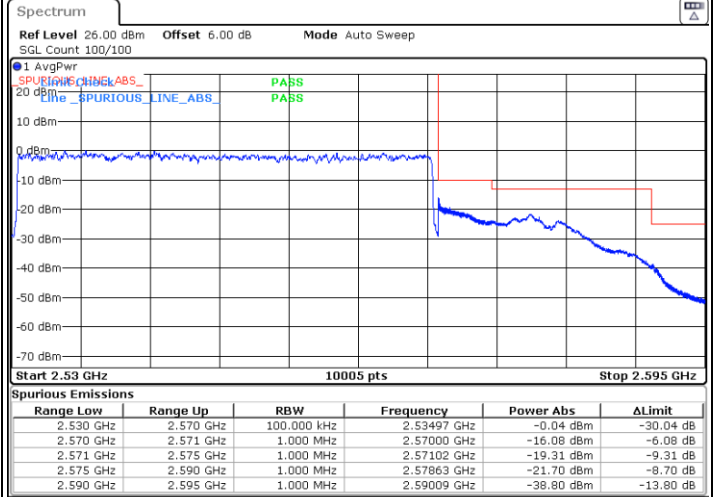


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2022 17:34:55



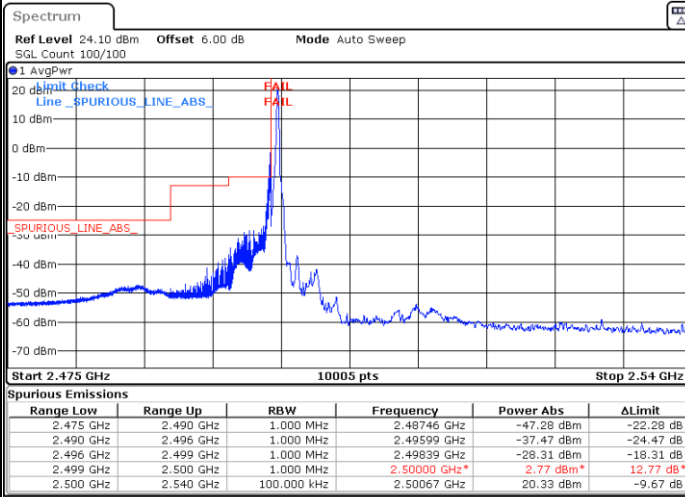
Date: 26 JUN 2022 17:35:59



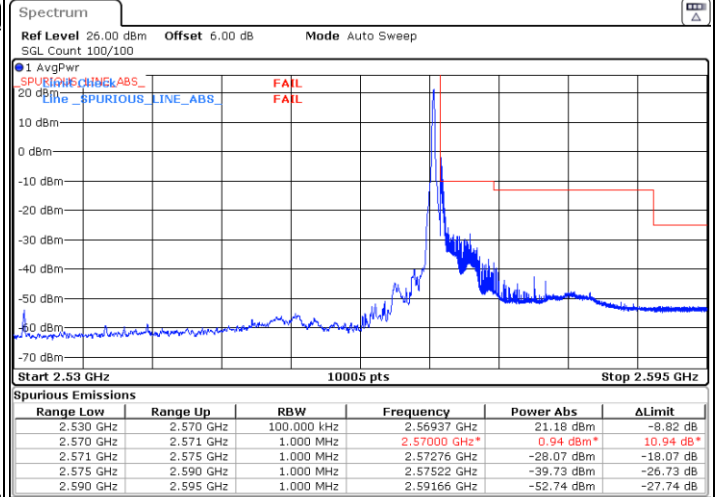
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 QPSK

Lowest Band Edge / 1RB0

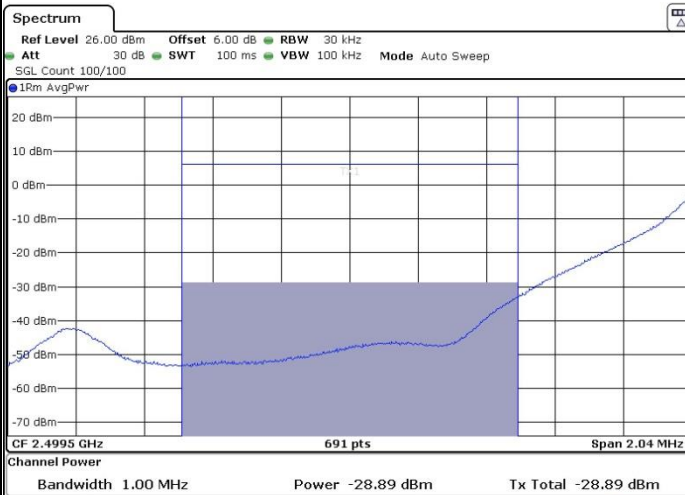
Highest Band Edge / 1RBmax



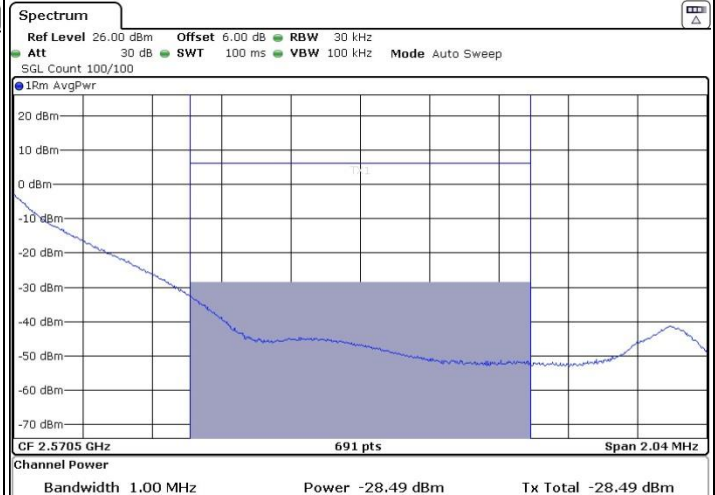
Date: 26 JUN 2022 17:30:13



Date: 26 JUN 2022 17:36:34



Date: 26 JUN 2022 18:50:40



Date: 26 JUN 2022 18:52:02