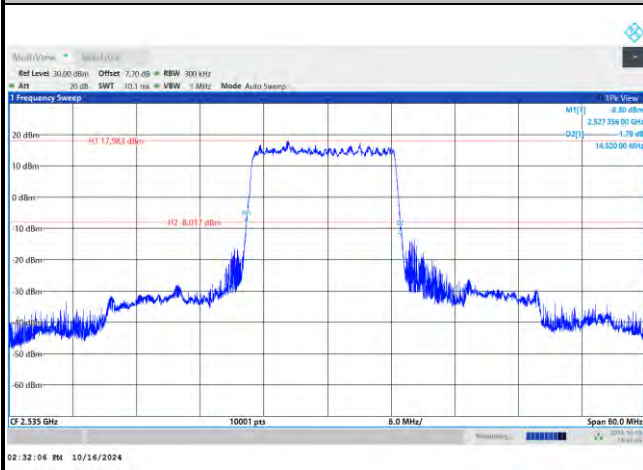




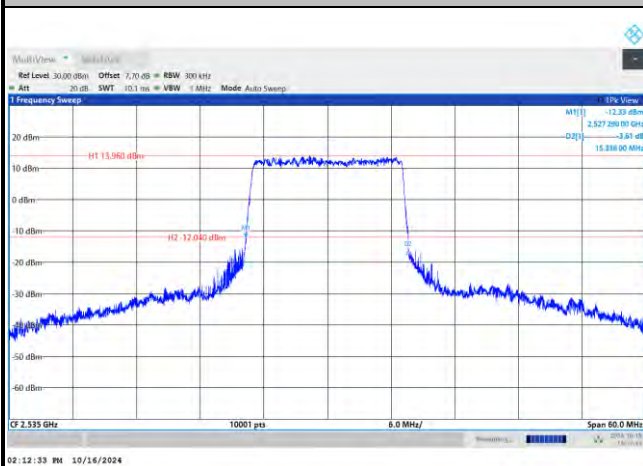
FR1 n7 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

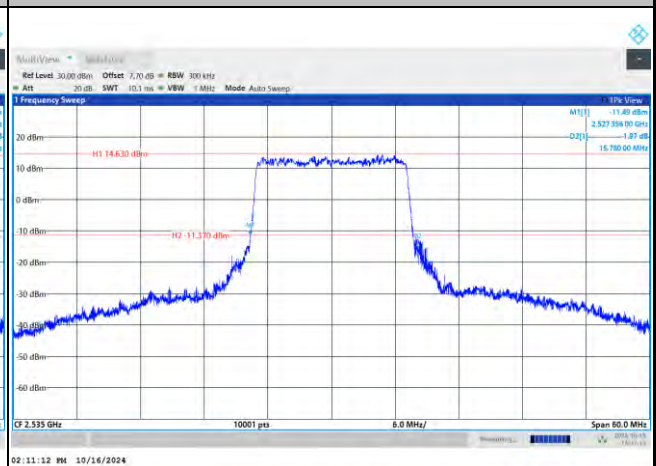


FR1 n7 / 15MHz / CP OFDM / Middle Channel / Full RB

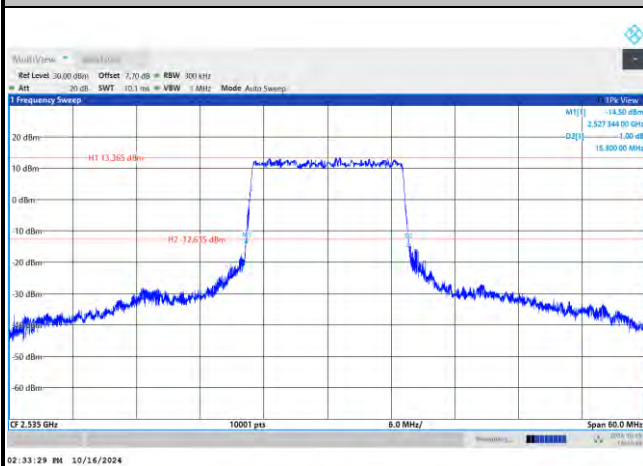
QPSK



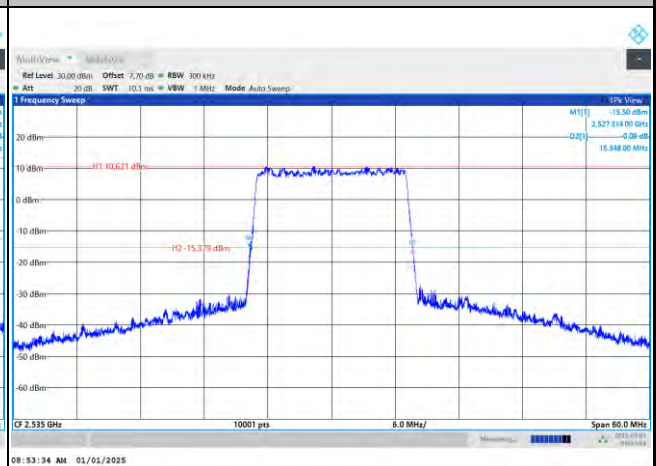
16QAM



64QAM

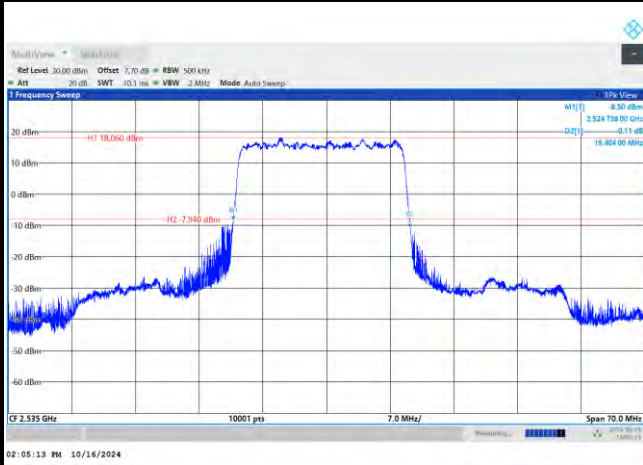


256QAM



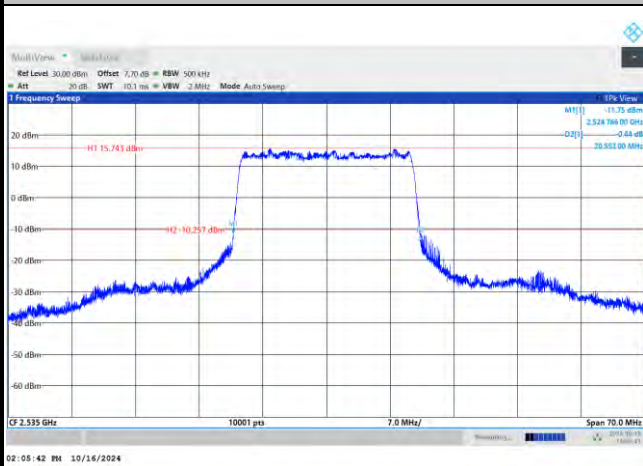
**FR1 n7 / 20MHz / DFT-S OFDM / Middle Channel / Full RB**

PI/2 BPSK

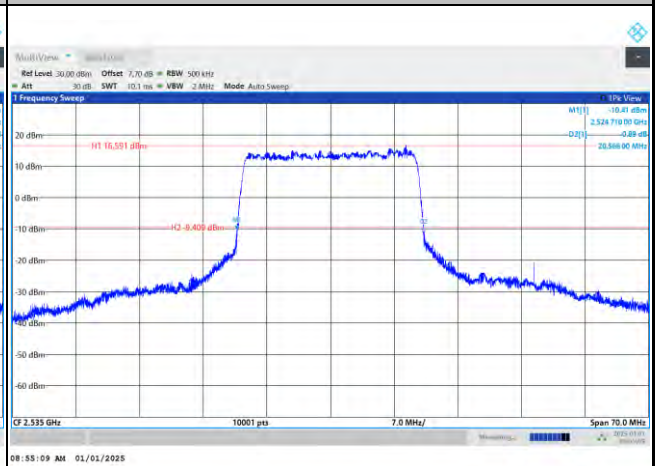


FR1 n7 / 20MHz / CP OFDM / Middle Channel / Full RB

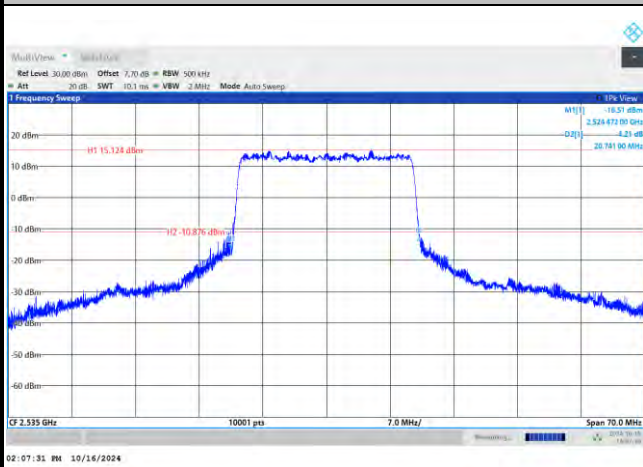
QPSK



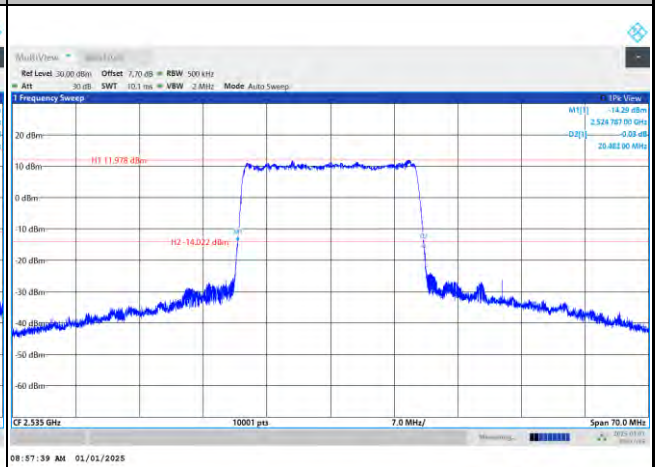
16QAM



64QAM



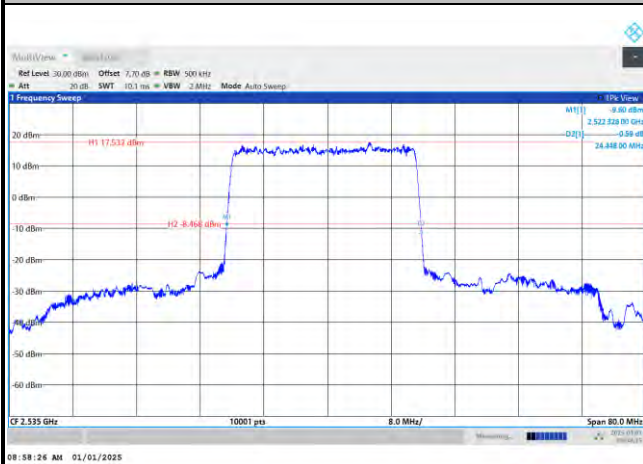
256QAM





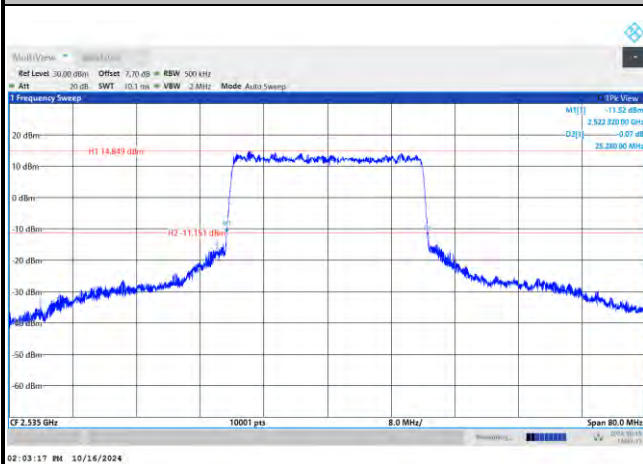
FR1 n7 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

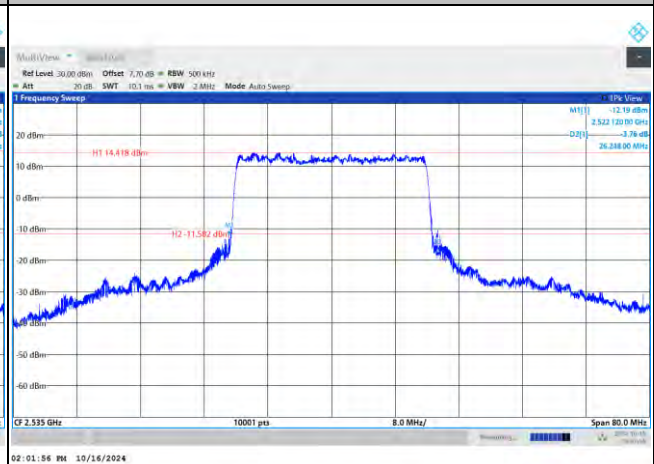


FR1 n7 / 25MHz / CP OFDM / Middle Channel / Full RB

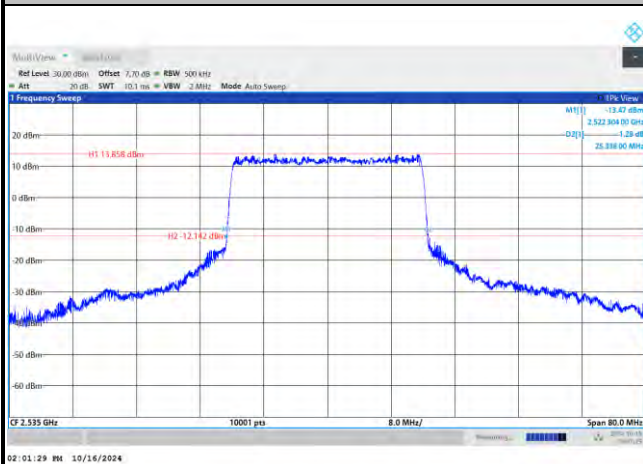
QPSK



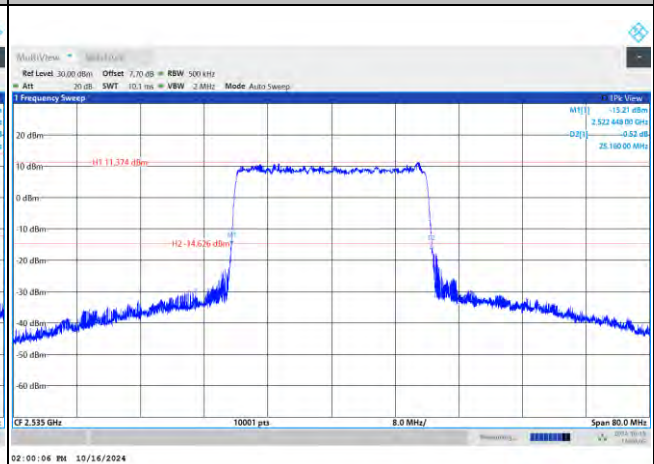
16QAM



64QAM



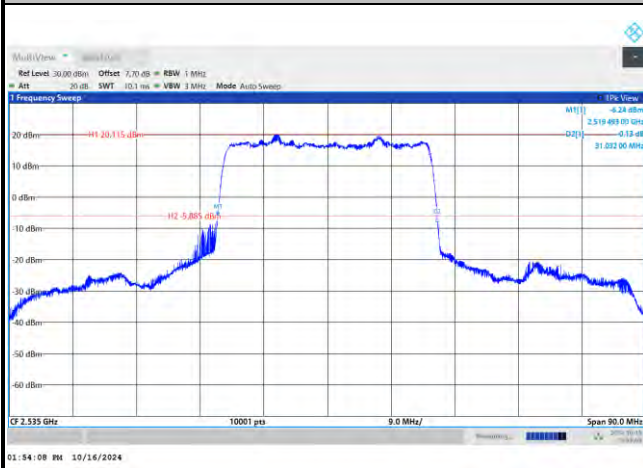
256QAM





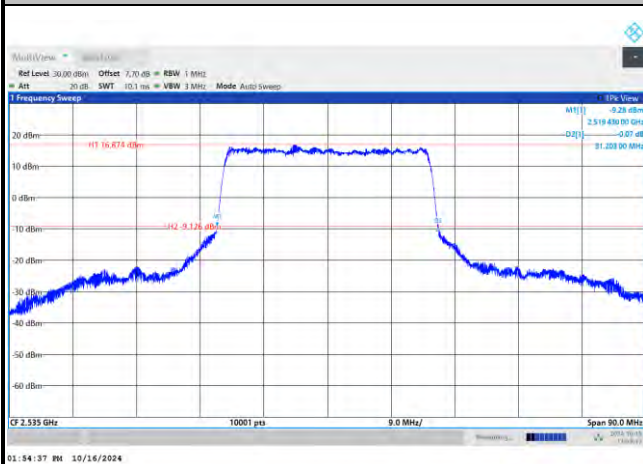
FR1 n7 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

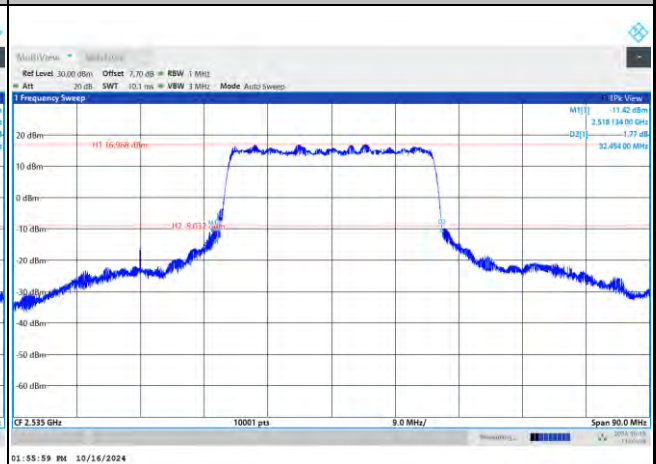


FR1 n7 / 30MHz / CP OFDM / Middle Channel / Full RB

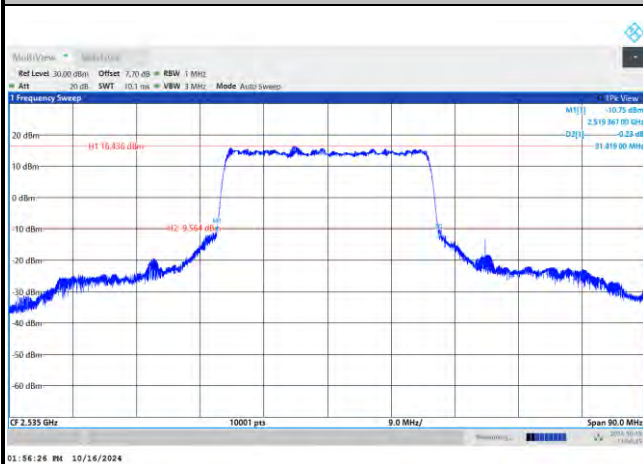
QPSK



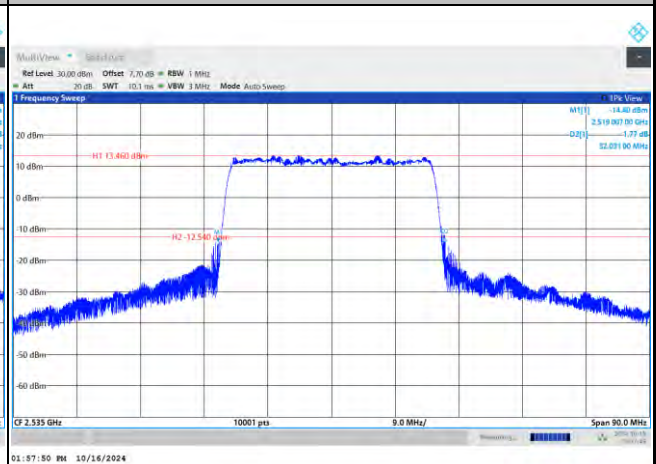
16QAM



64QAM

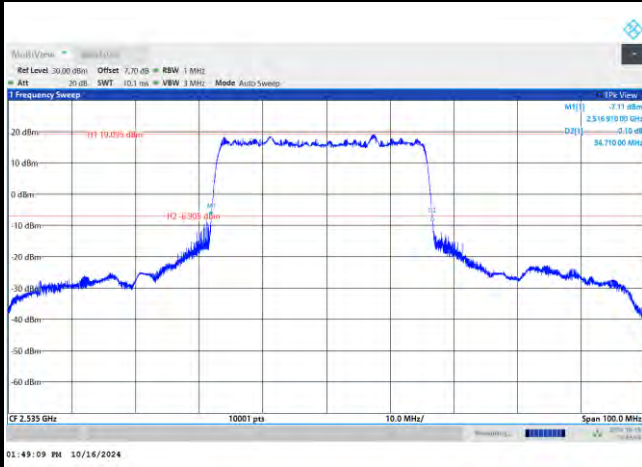


256QAM



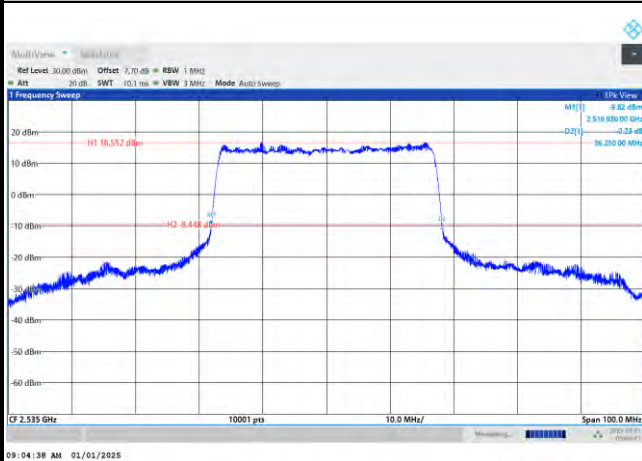
FR1 n7 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

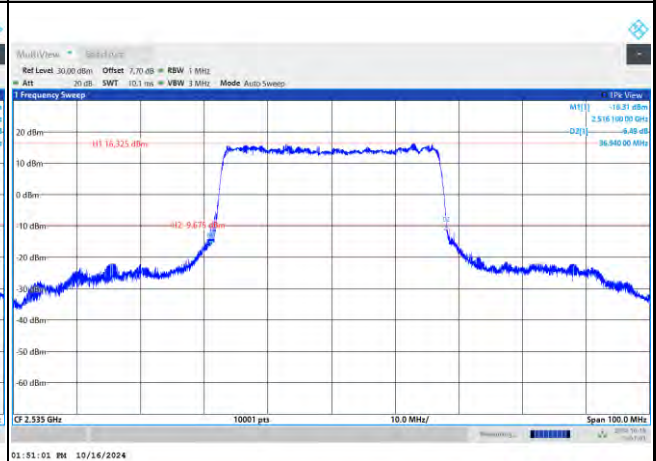


FR1 n7 / 35MHz / CP OFDM / Middle Channel / Full RB

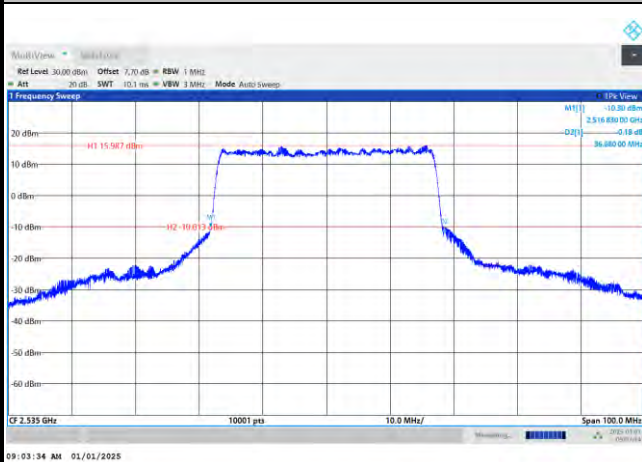
QPSK



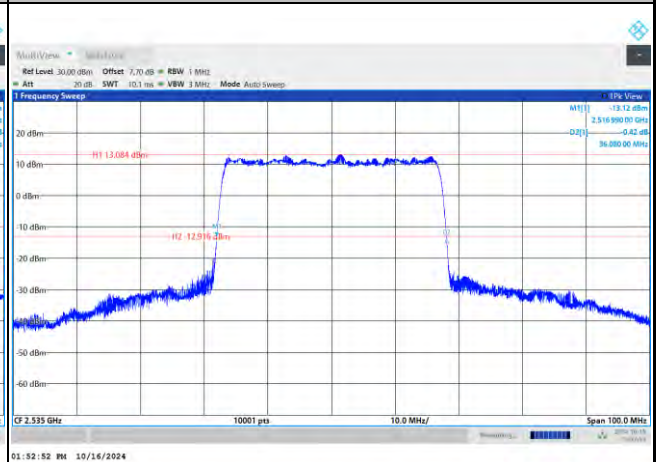
16QAM



64QAM

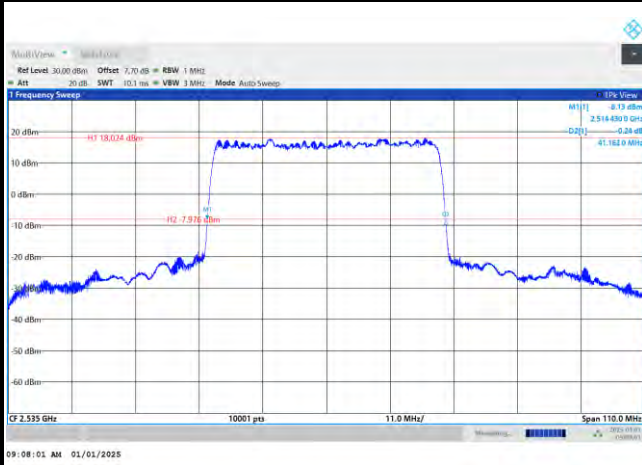


256QAM



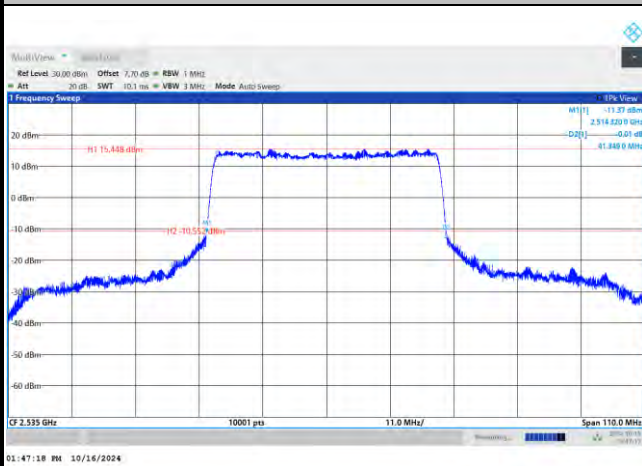
**FR1 n7 / 40MHz / DFT-S OFDM / Middle Channel / Full RB**

PI/2 BPSK

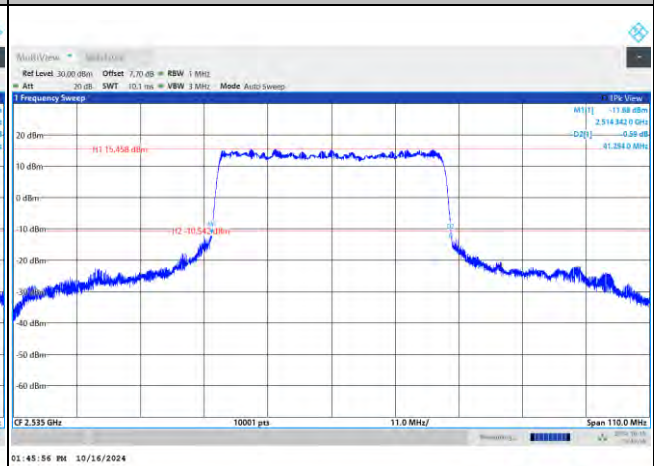


FR1 n7 / 40MHz / CP OFDM / Middle Channel / Full RB

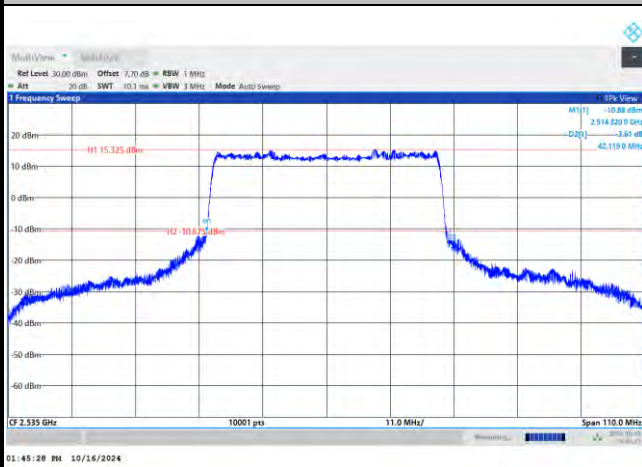
QPSK



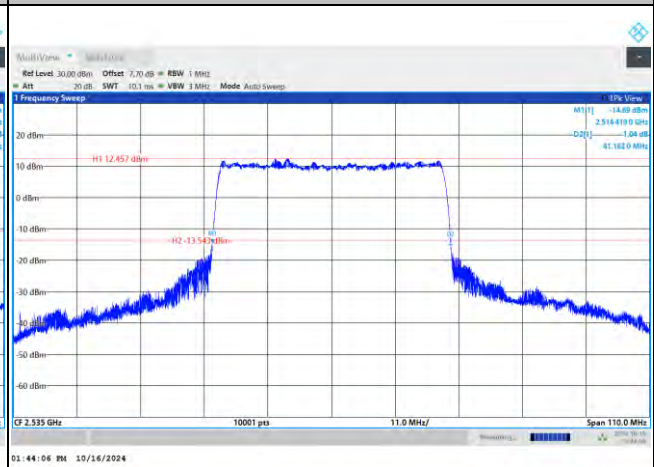
16QAM



64QAM



256QAM



**Occupied Bandwidth**

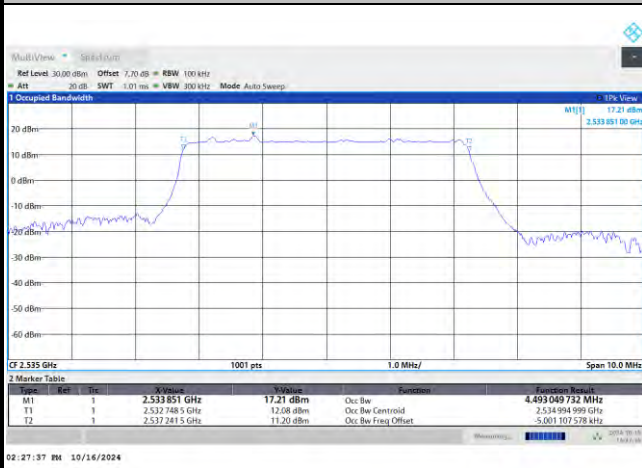
Mode	FR1 n7 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.49		8.98		13.45		18.01	
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	23.00		29.00		32.52		38.79	

Mode	FR1 n7 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.51	4.55	9.31	9.33	14.16	14.17	18.99	19.07
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.51	4.52	9.29	9.36	14.20	14.14	19.05	19.12
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	23.84	23.83	28.93	28.96	33.92	33.99	38.86	38.74
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	23.80	23.84	28.91	28.85	33.96	33.86	39.02	38.77



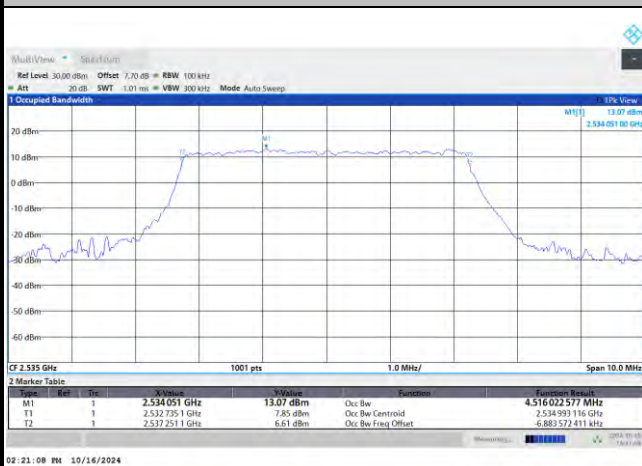
FR1 n7 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

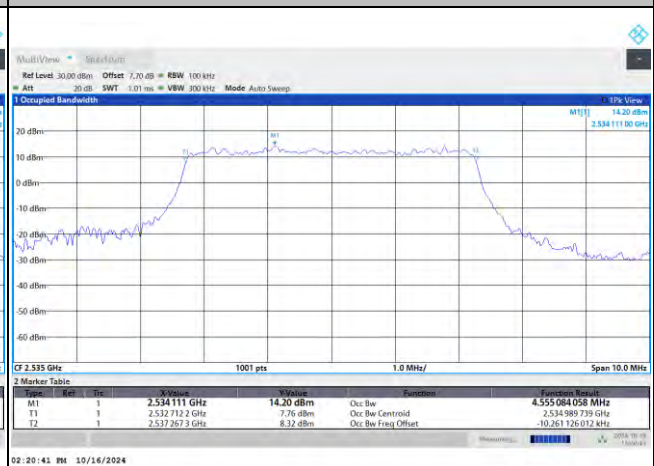


FR1 n7 / 5MHz / CP OFDM / Middle Channel / Full RB

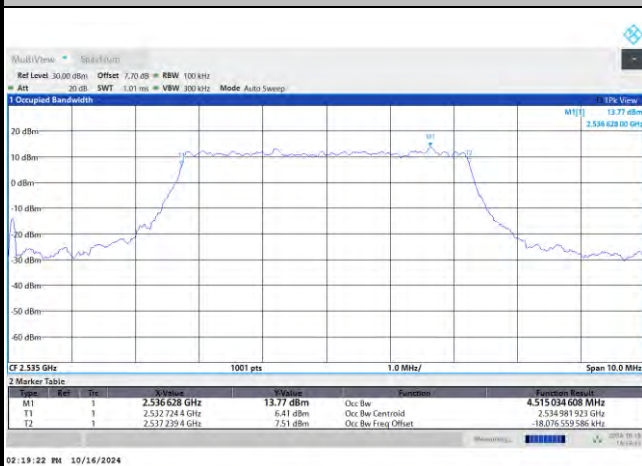
QPSK



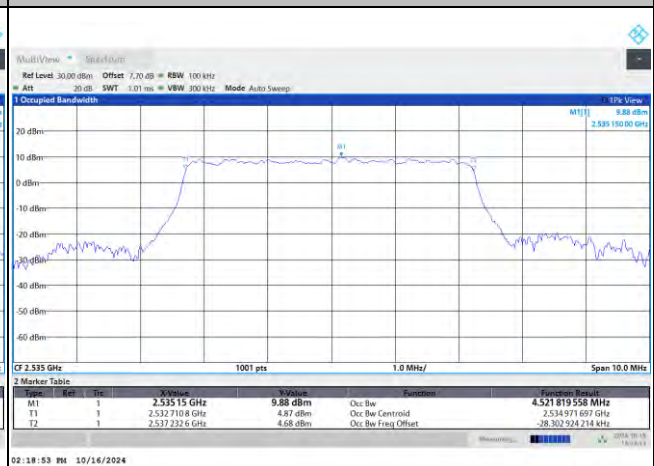
16QAM



64QAM



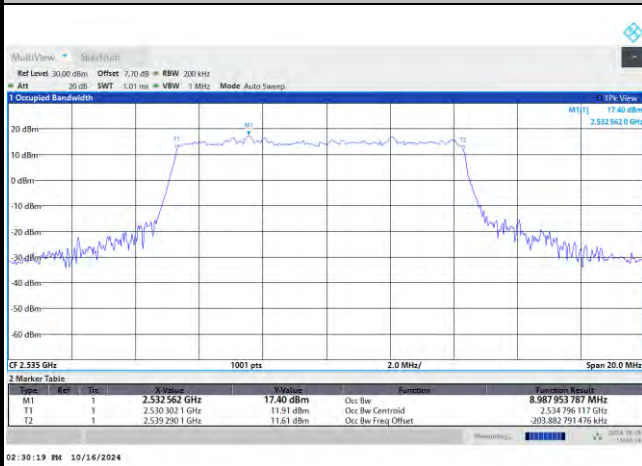
256QAM





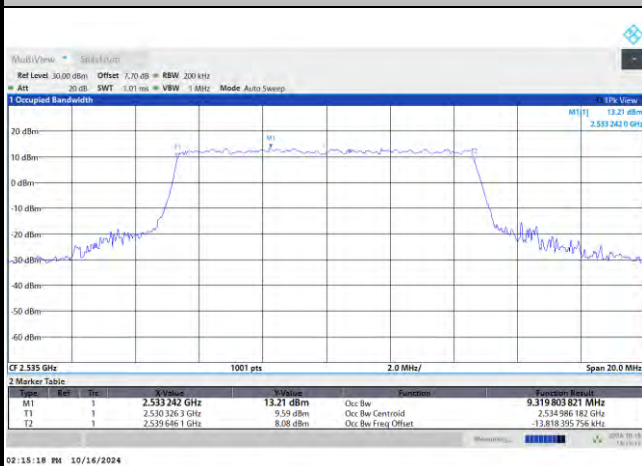
FR1 n7 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

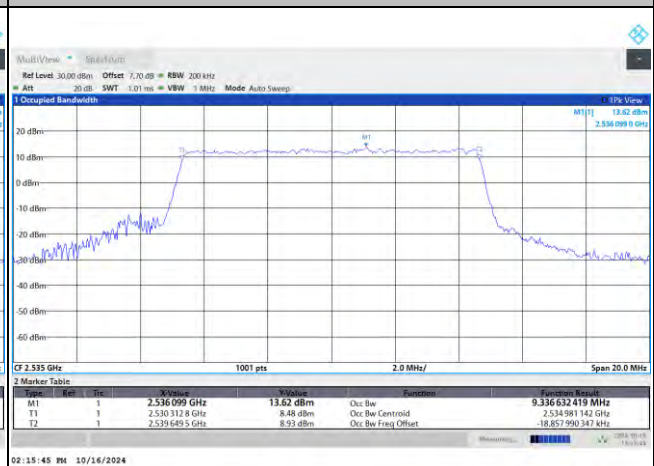


FR1 n7 / 10MHz / CP OFDM / Middle Channel / Full RB

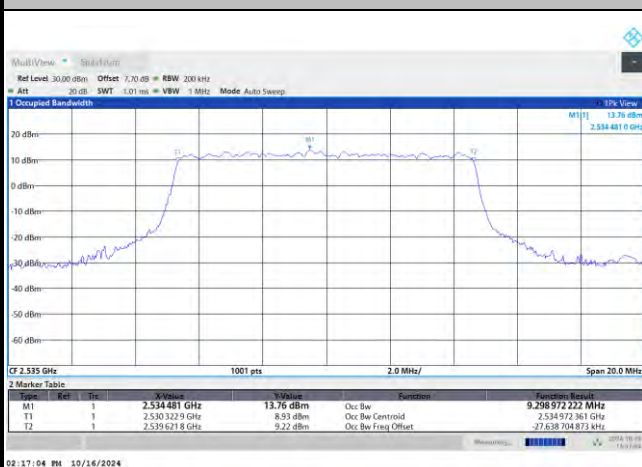
QPSK



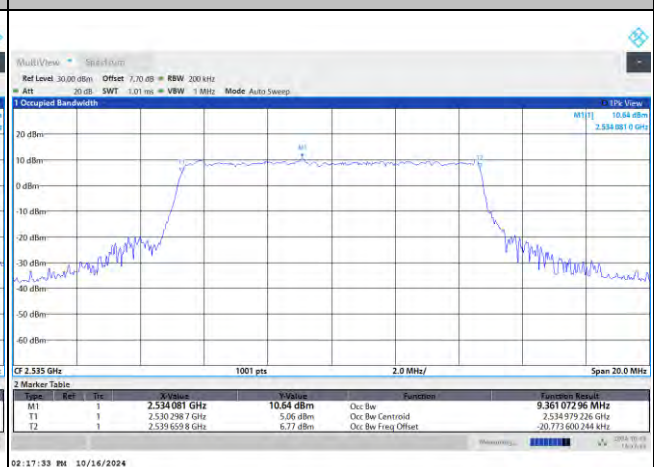
16QAM



64QAM



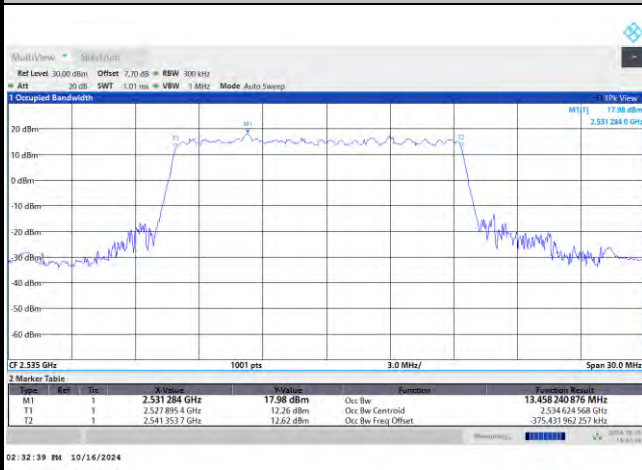
256QAM





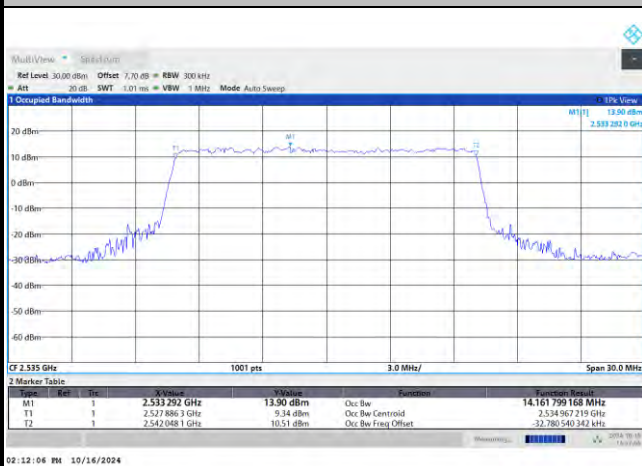
FR1 n7 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

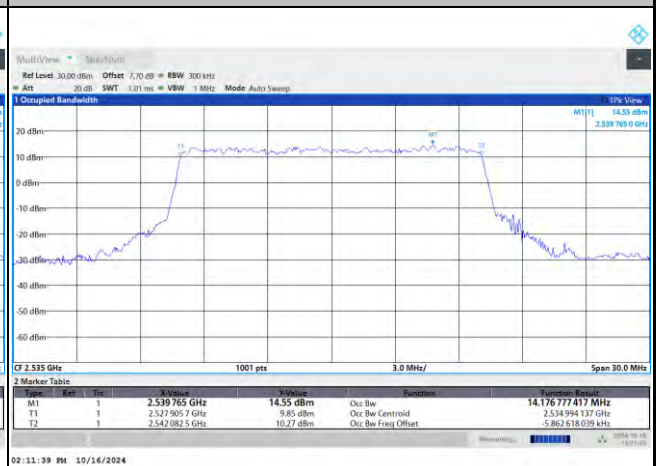


FR1 n7 / 15MHz / CP OFDM / Middle Channel / Full RB

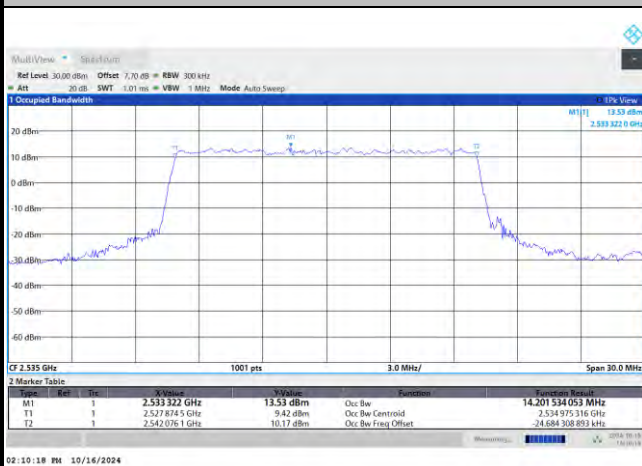
QPSK



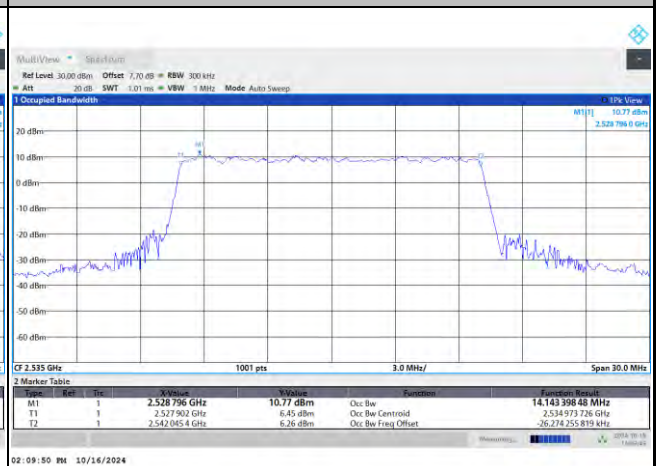
16QAM



64QAM



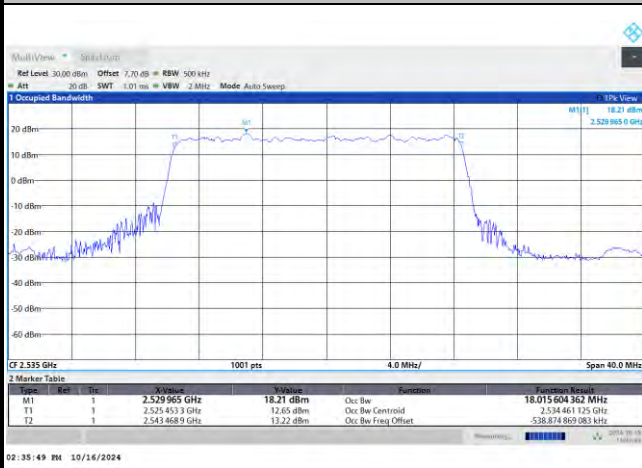
256QAM





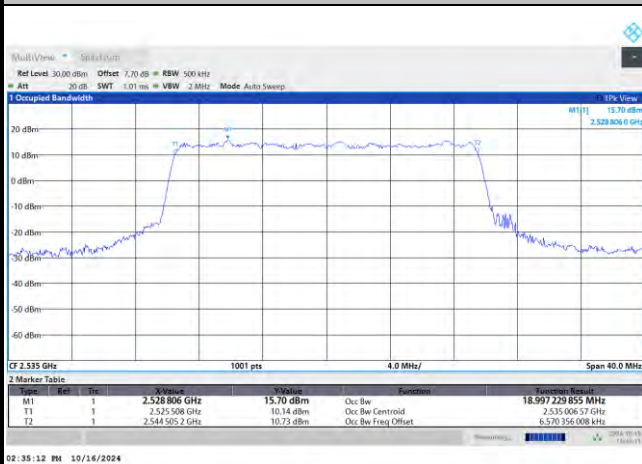
FR1 n7 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

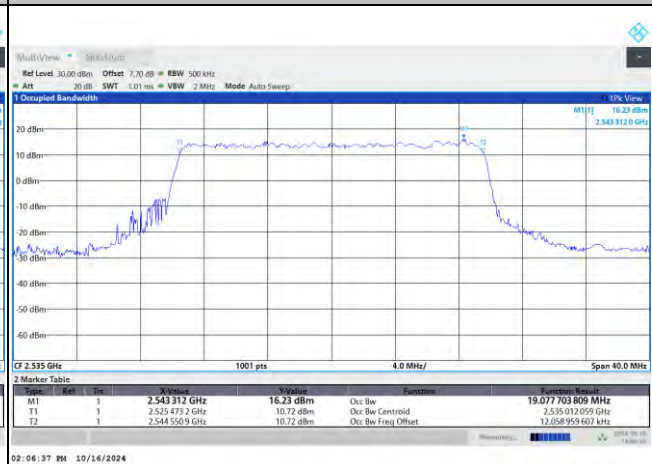


FR1 n7 / 20MHz / CP OFDM / Middle Channel / Full RB

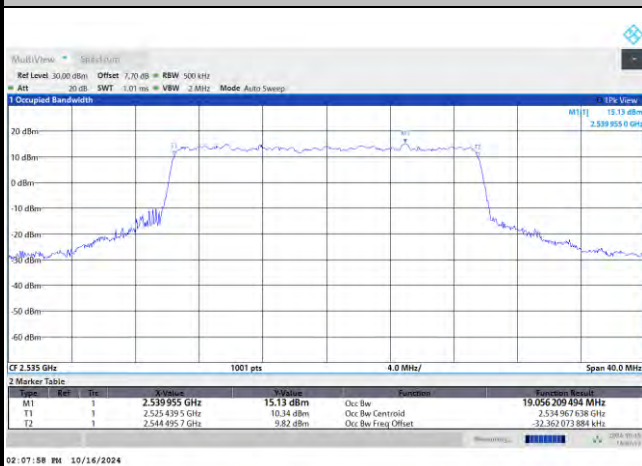
QPSK



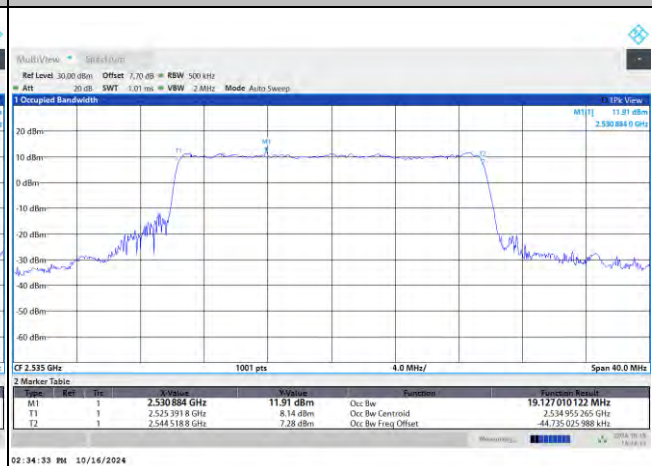
16QAM



64QAM



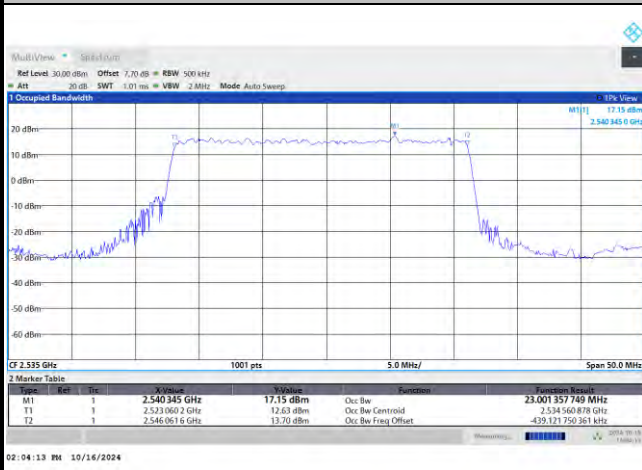
256QAM





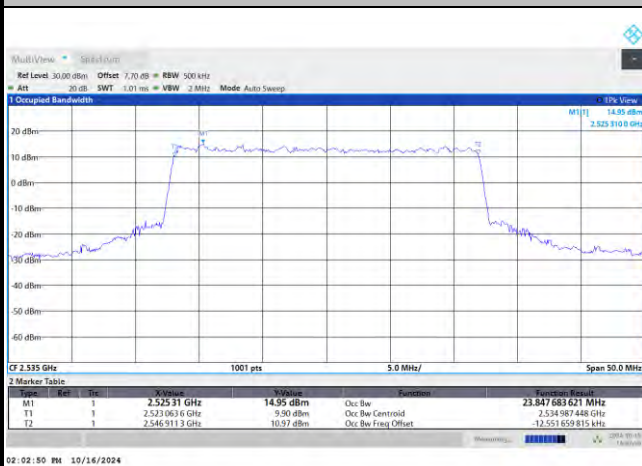
FR1 n7 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

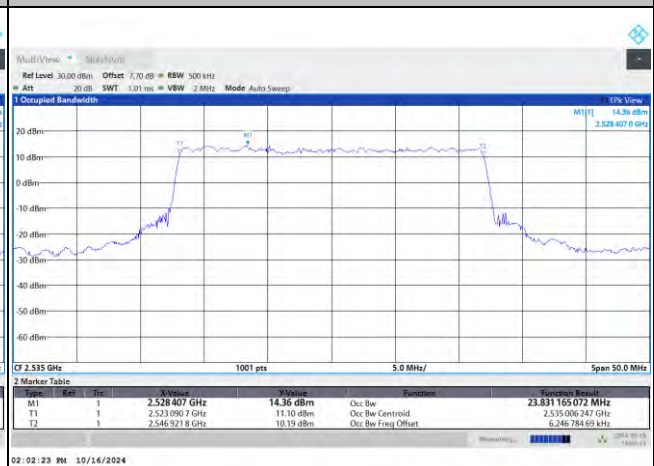


FR1 n7 / 25MHz / CP OFDM / Middle Channel / Full RB

QPSK



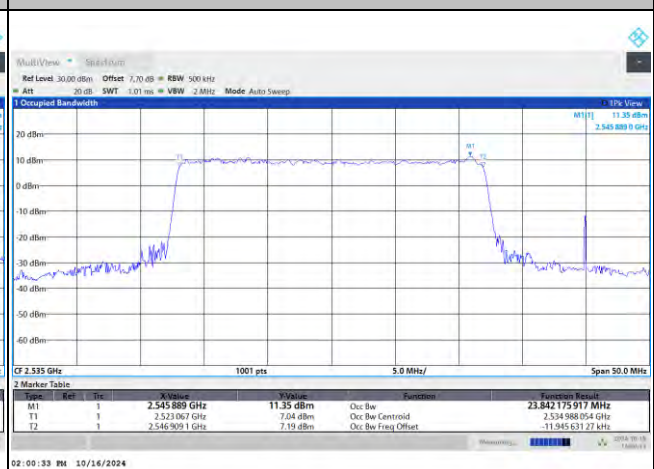
16QAM



64QAM



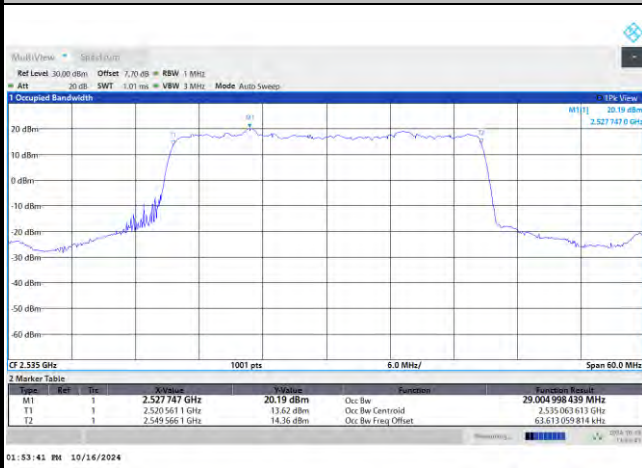
256QAM





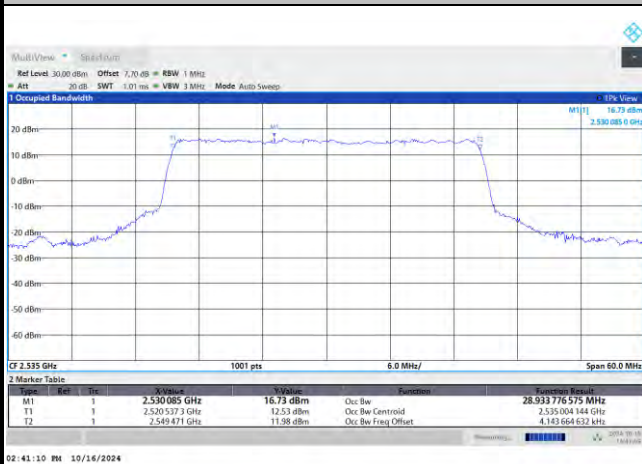
FR1 n7 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

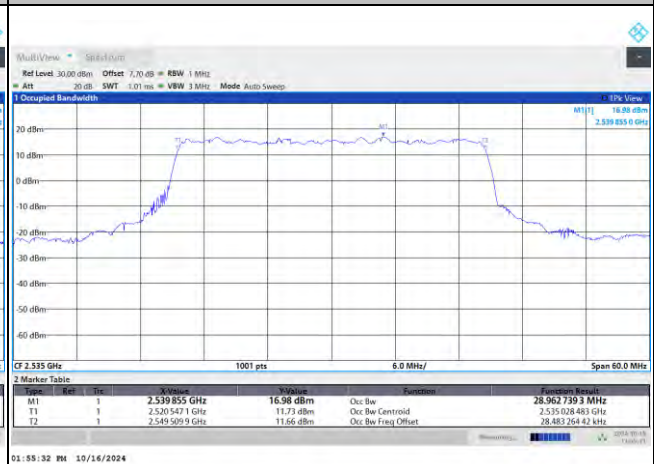


FR1 n7 / 30MHz / CP OFDM / Middle Channel / Full RB

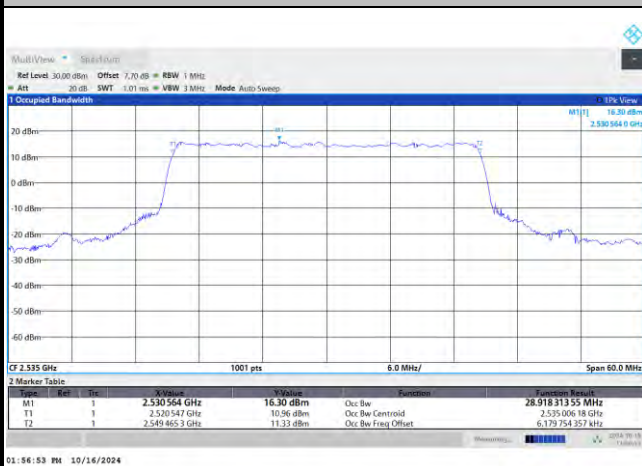
QPSK



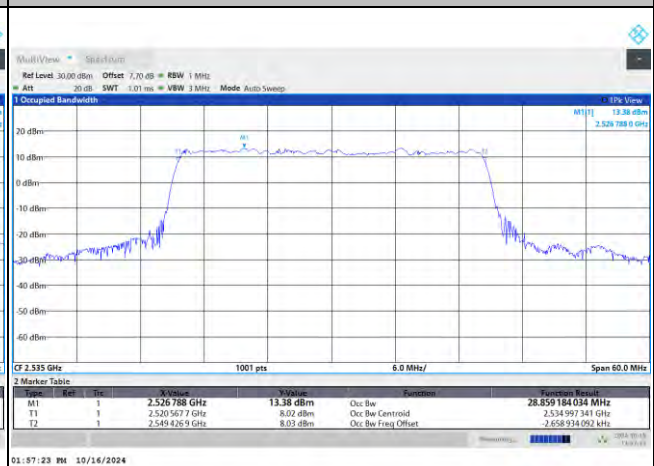
16QAM



64QAM



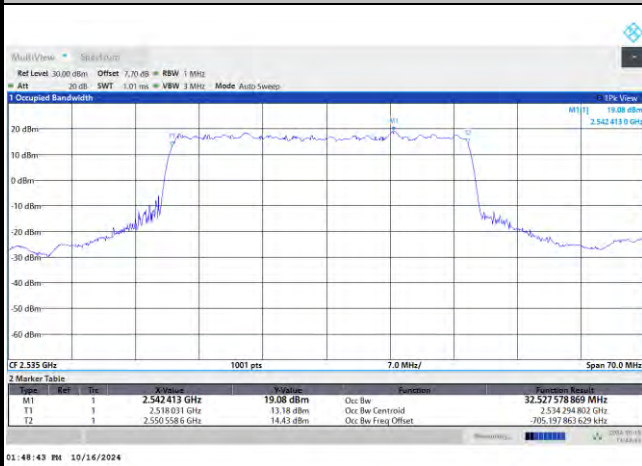
256QAM





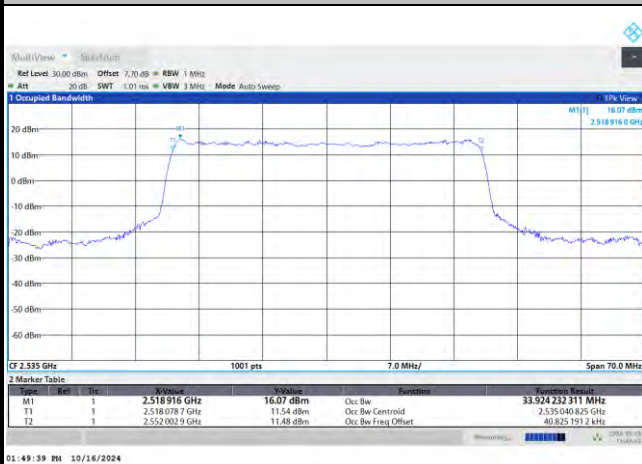
FR1 n7 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

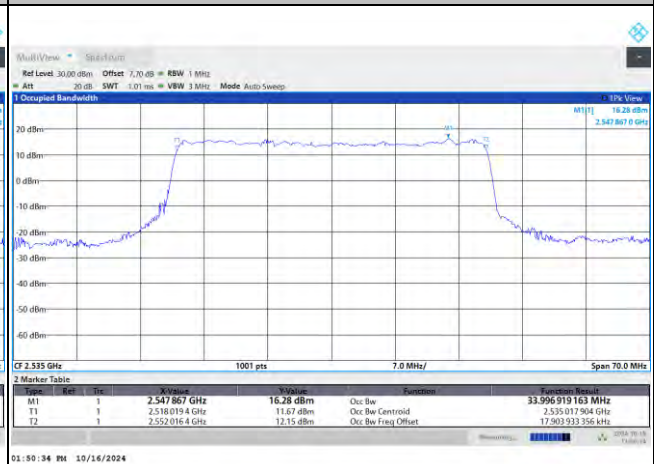


FR1 n7 / 35MHz / CP OFDM / Middle Channel / Full RB

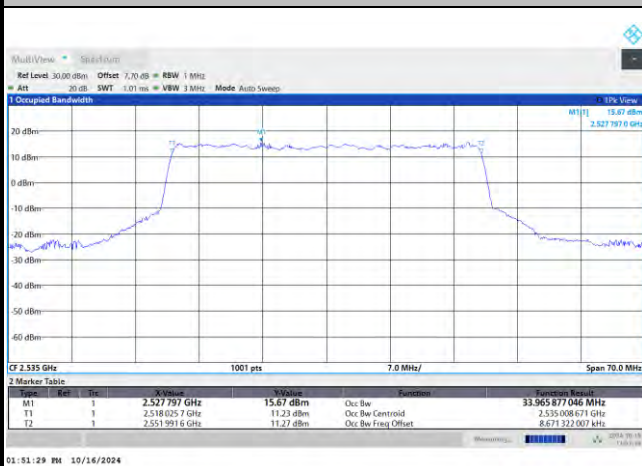
QPSK



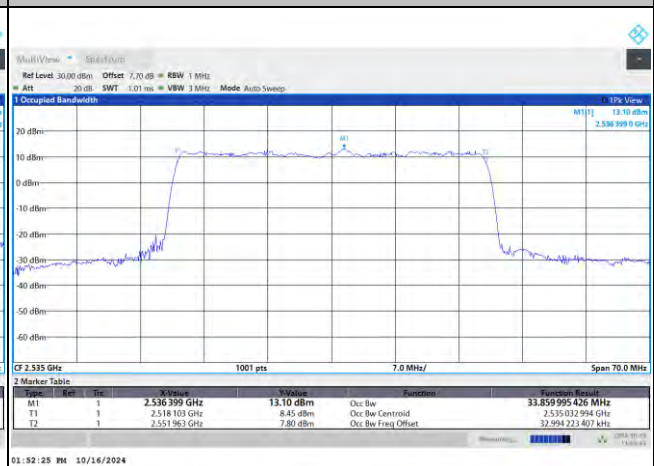
16QAM



64QAM



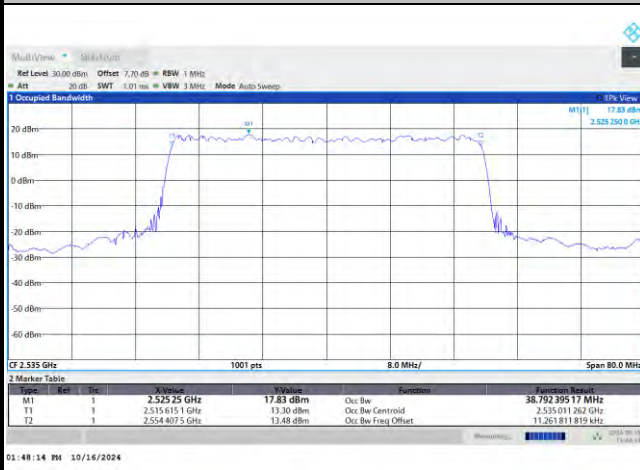
256QAM





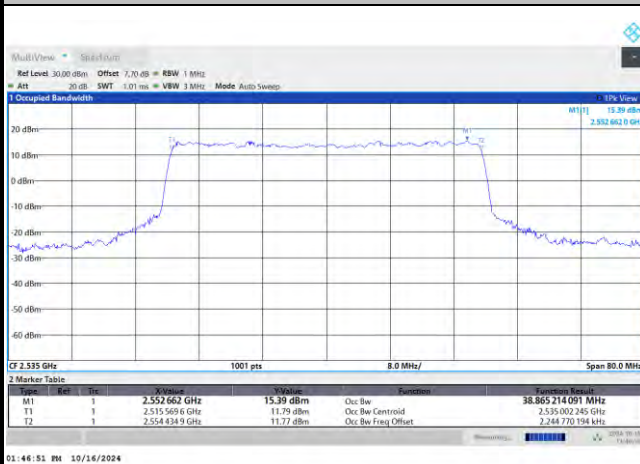
FR1 n7 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

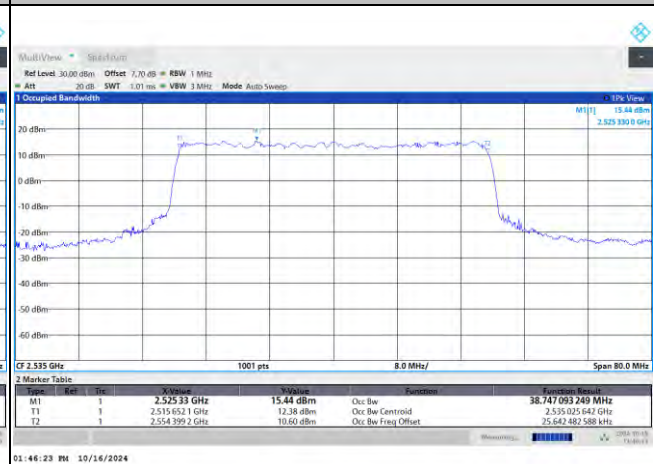


FR1 n7 / 40MHz / CP OFDM / Middle Channel / Full RB

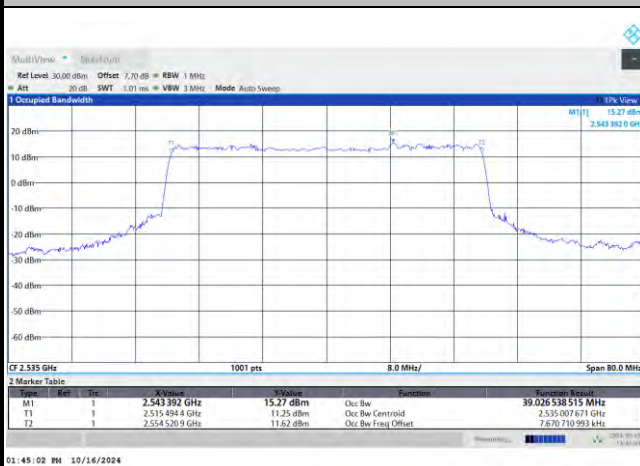
QPSK



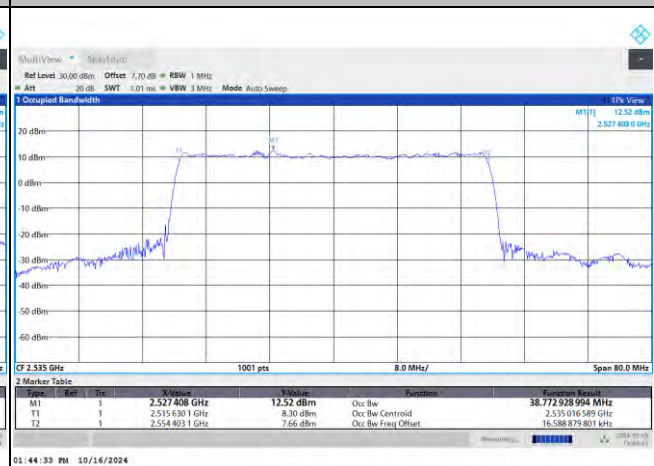
16QAM



64QAM



256QAM



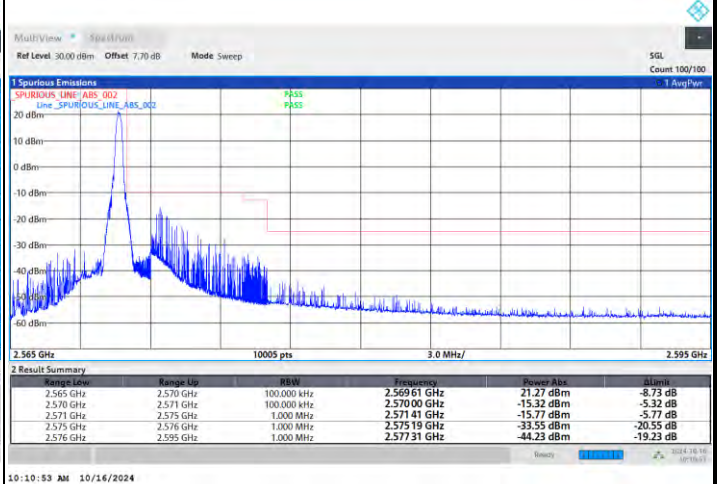
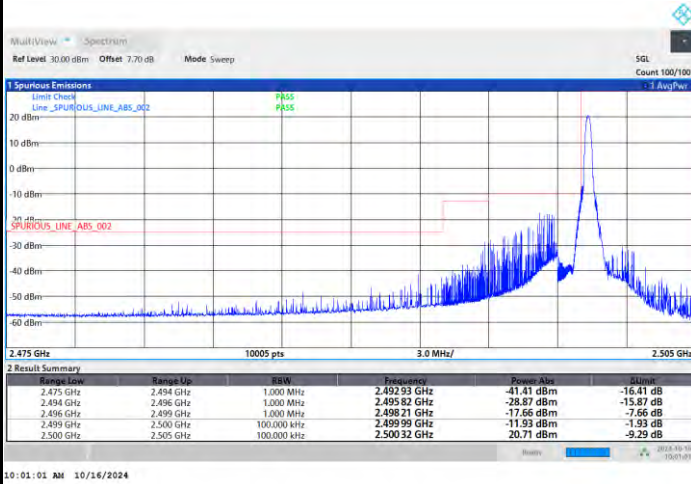


Conducted Band Edge

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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

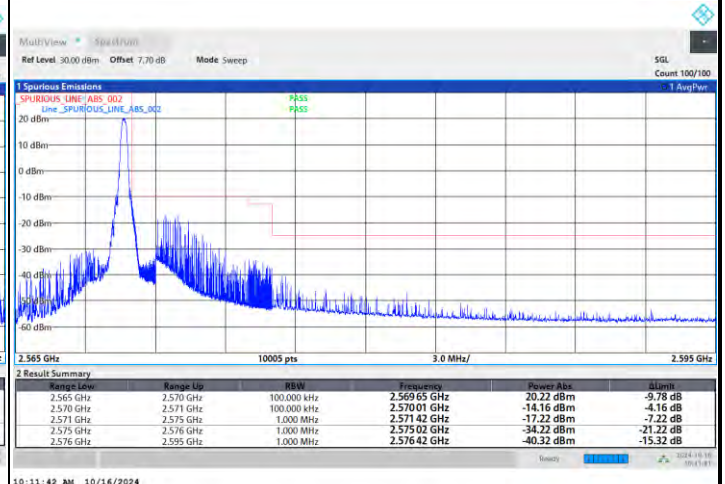
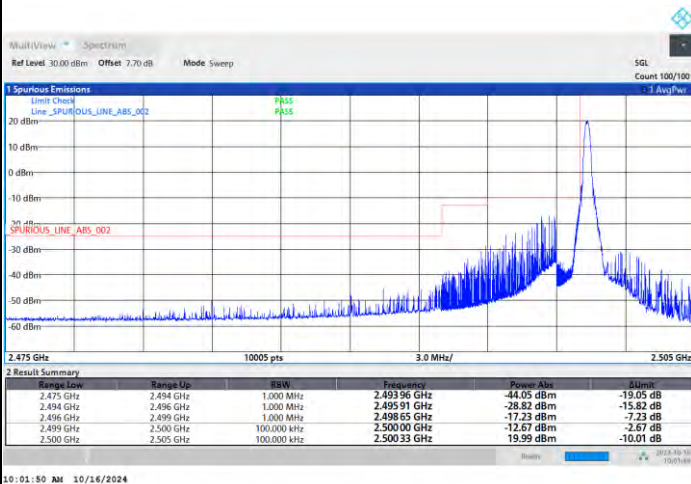




FR1 n7 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

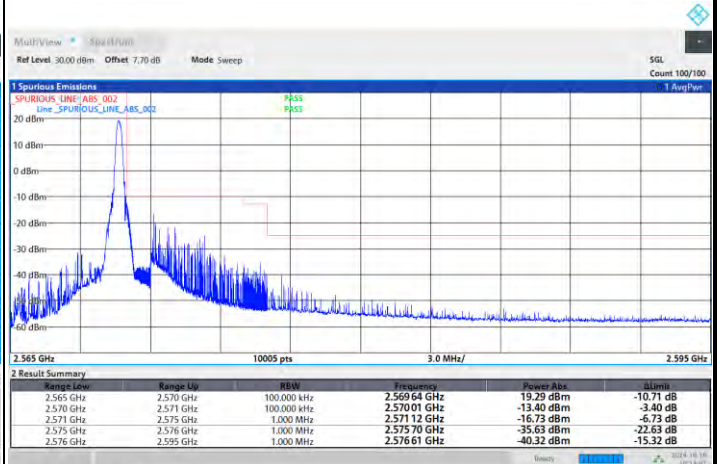
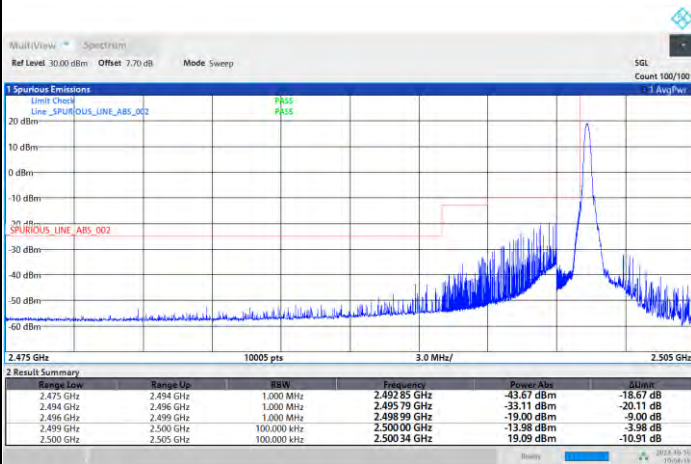




FR1 n7 / 5MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

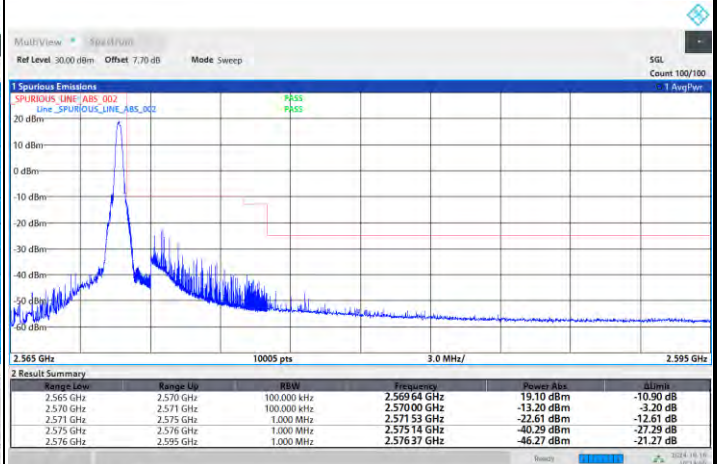
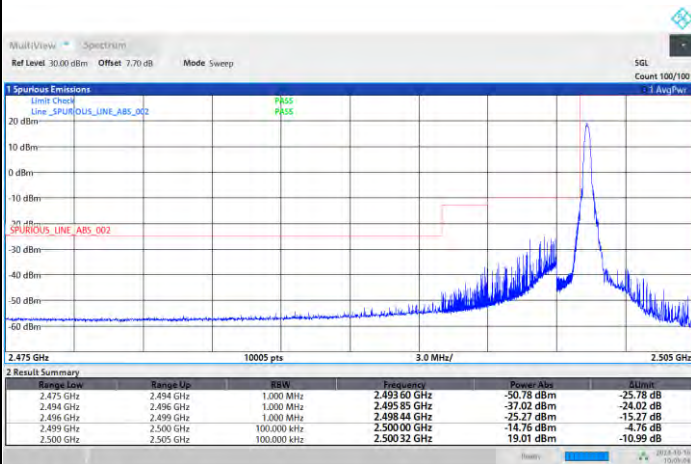




FR1 n7 / 5MHz / DFT-S OFDM / 64QAM

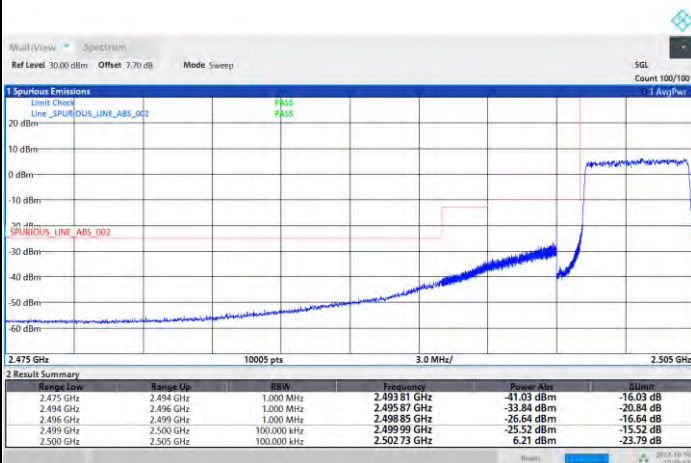
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

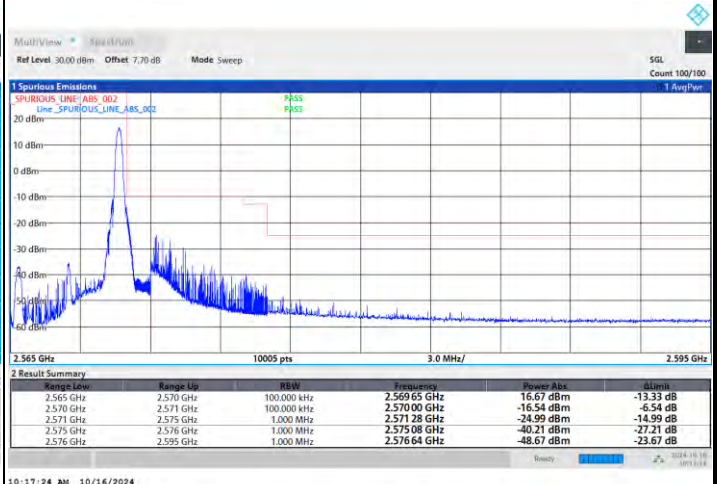
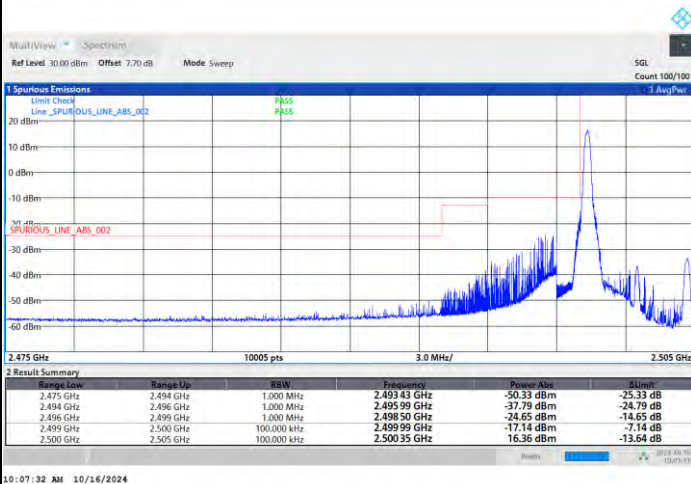




FR1 n7 / 5MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB





FR1 n7 / 5MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge





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

Lowest Band Edge / Full RB



10:37:16 AM 10/16/2024

Highest Band Edge / Full RB



10:45:56 AM 10/16/2024

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

Lowest Band Edge / Full RB



10:38:04 AM 10/16/2024

Highest Band Edge / Full RB



10:46:45 AM 10/16/2024



FR1 n7 / 10MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB



10:38:53 AM 10/16/2024

Highest Band Edge / Full RB



10:47:33 AM 10/16/2024

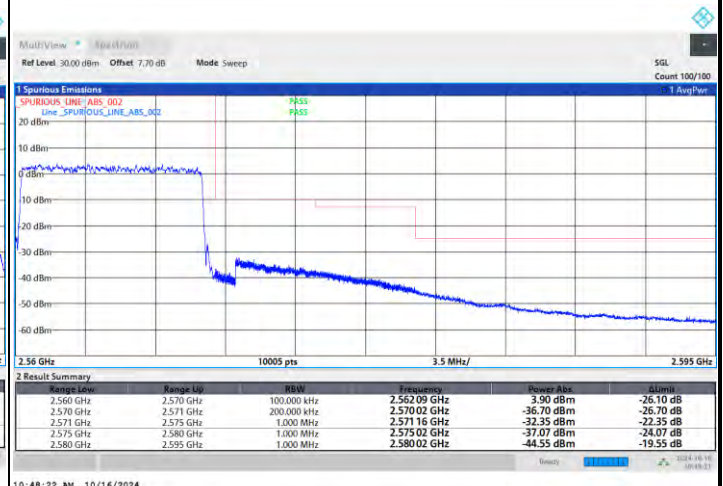
FR1 n7 / 10MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



10:39:41 AM 10/16/2024

Highest Band Edge / Full RB



10:48:22 AM 10/16/2024

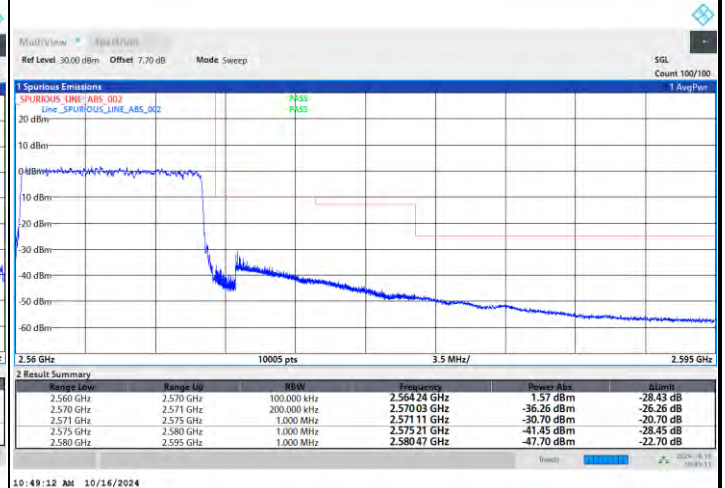


FR1 n7 / 10MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

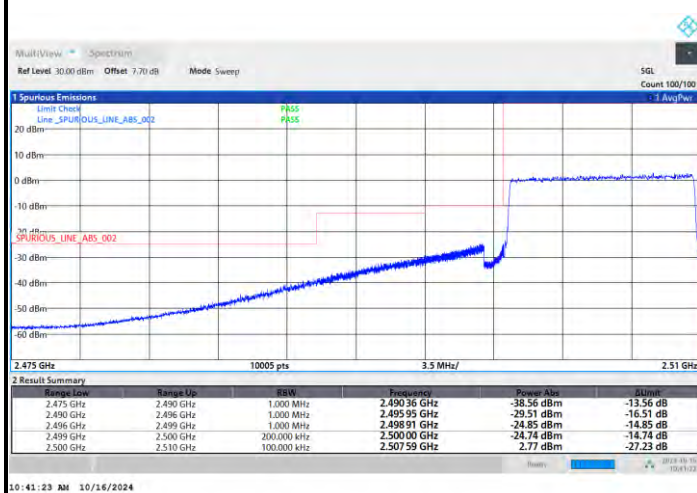


Highest Band Edge / Full RB



FR1 n7 / 10MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



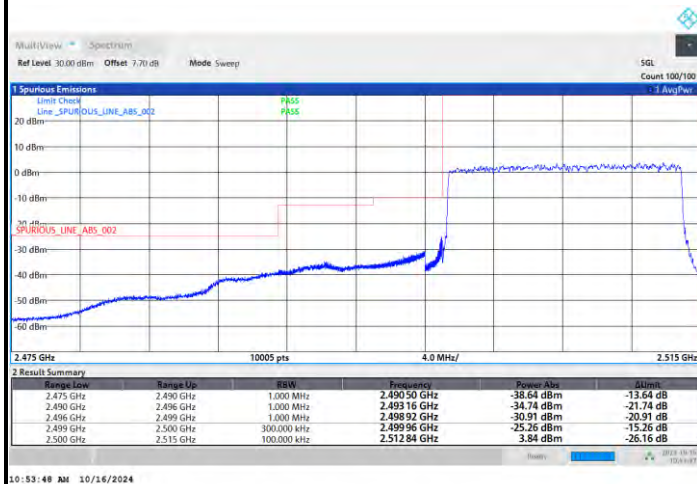
Highest Band Edge





FR1 n7 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB



10:53:49 AM 10/16/2024

Highest Band Edge / Full RB



10:56:18 AM 10/16/2024

FR1 n7 / 15MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



10:52:59 AM 10/16/2024

Highest Band Edge / Full RB



10:57:06 AM 10/16/2024



FR1 n7 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB



10:52:10 AM 10/16/2024

Highest Band Edge / Full RB



10:57:55 AM 10/16/2024

FR1 n7 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



10:51:22 AM 10/16/2024

Highest Band Edge / Full RB

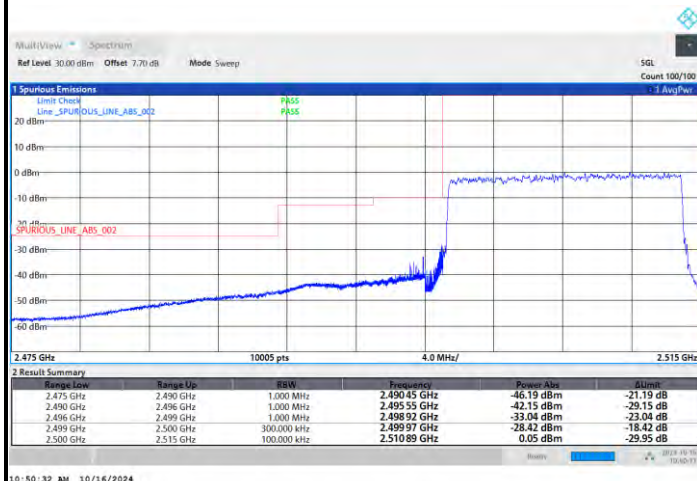


10:58:44 AM 10/16/2024



FR1 n7 / 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

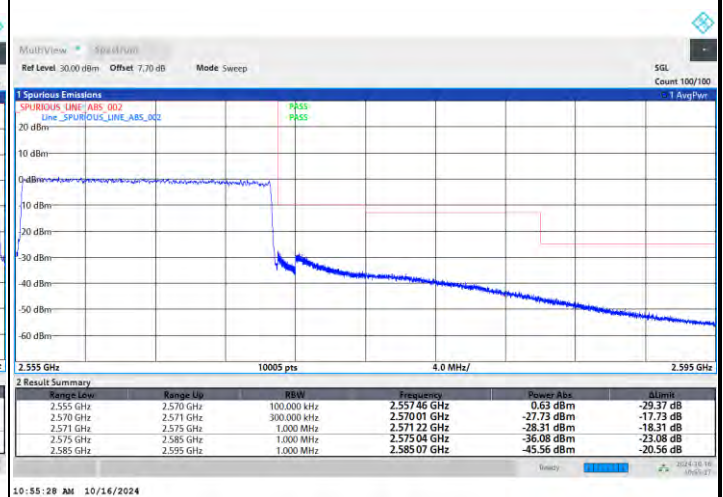


FR1 n7 / 15MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



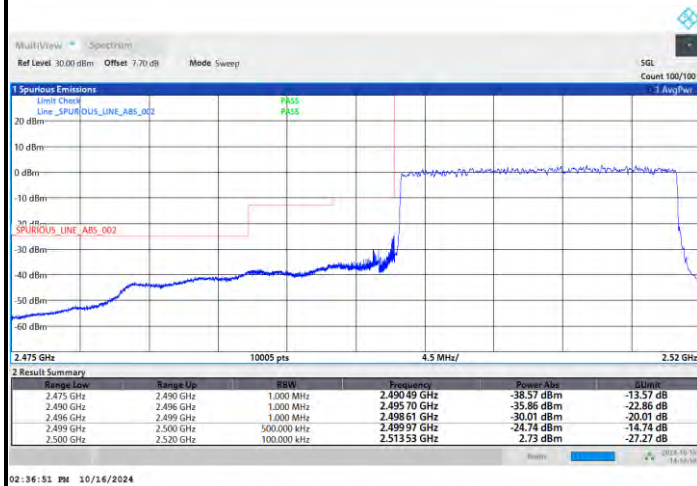
Highest Band Edge



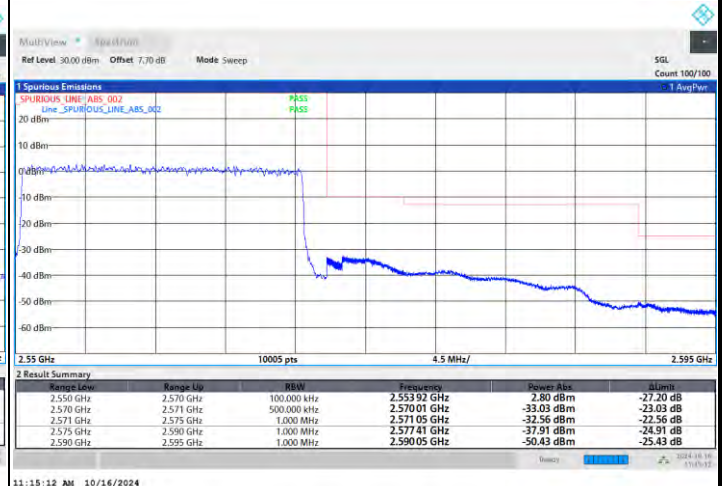


FR1 n7 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

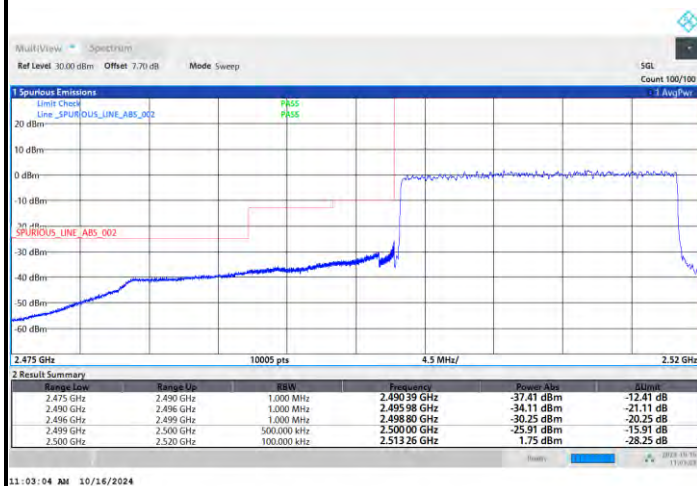


Highest Band Edge / Full RB

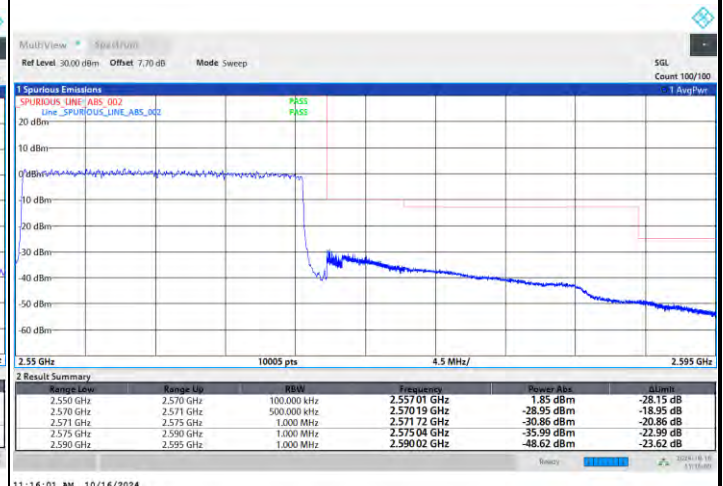


FR1 n7 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



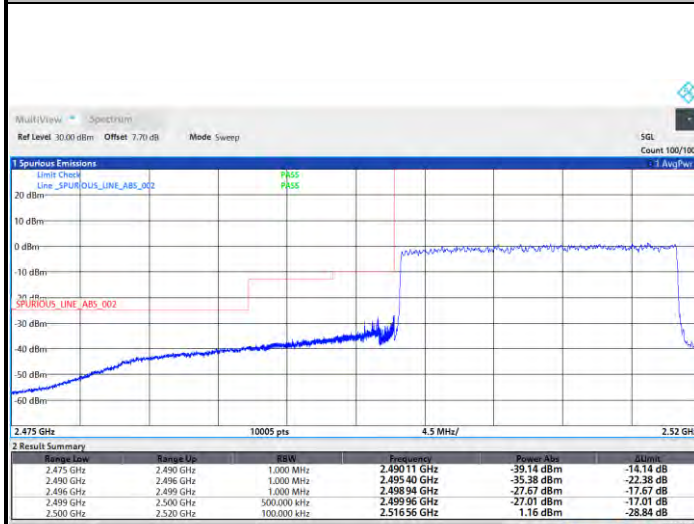
Highest Band Edge / Full RB





FR1 n7 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB



11:02:16 AM 10/16/2024

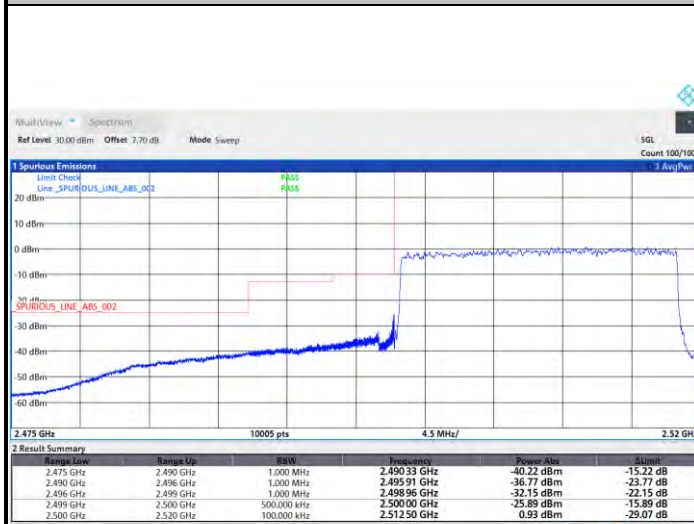
Highest Band Edge / Full RB



11:16:49 AM 10/16/2024

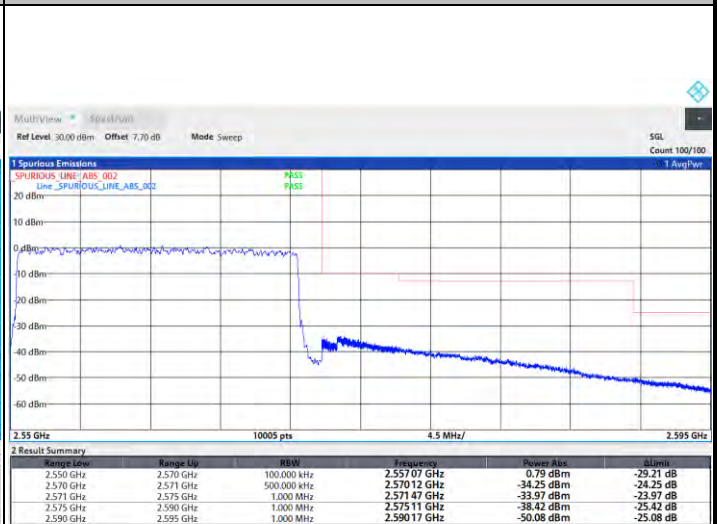
FR1 n7 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



11:01:27 AM 10/16/2024

Highest Band Edge / Full RB

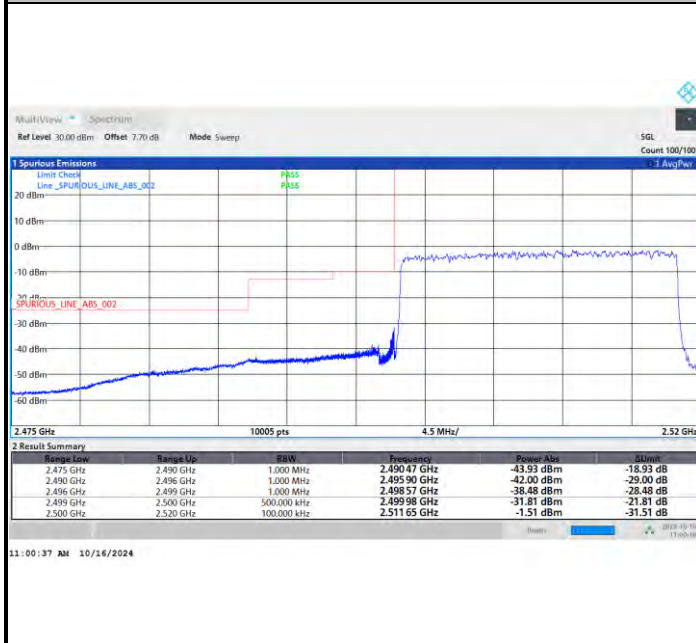


11:17:39 AM 10/16/2024

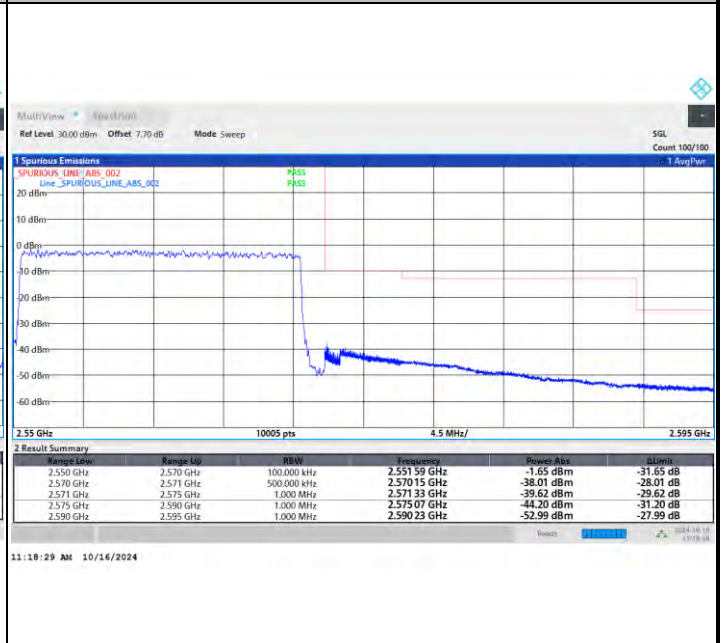


FR1 n7 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

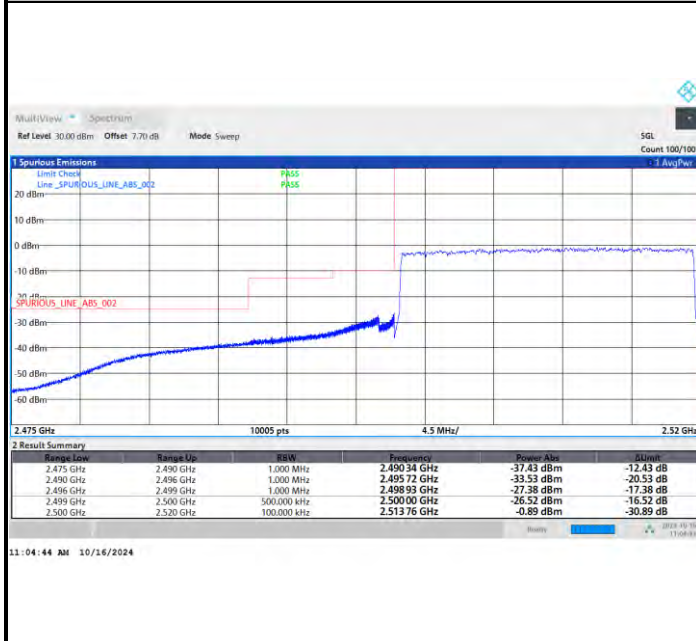


Highest Band Edge / Full RB

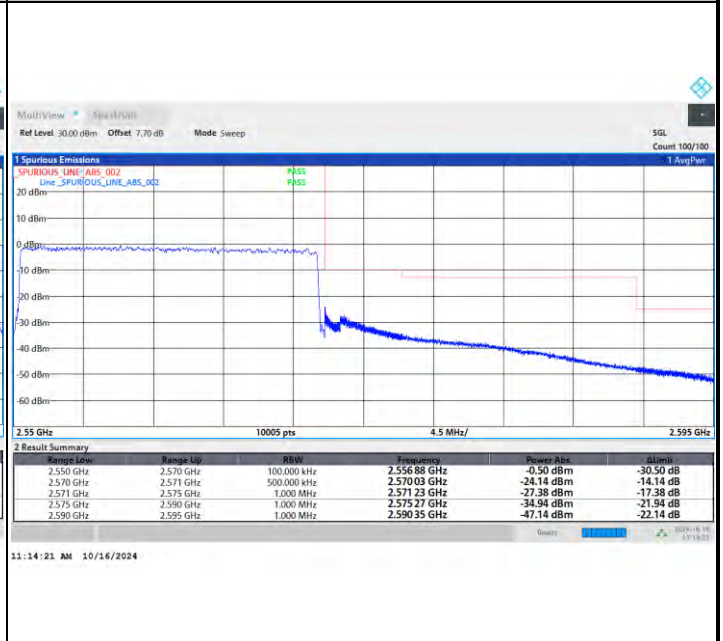


FR1 n7 / 20MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge





FR1 n7 / 25MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

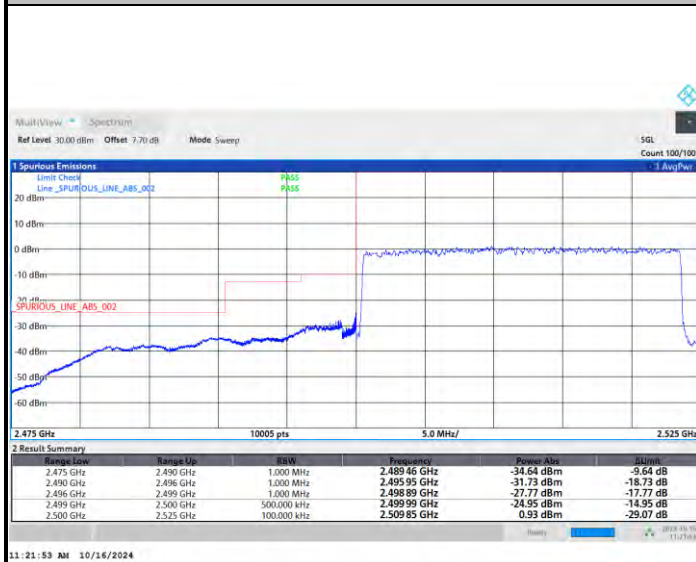


Highest Band Edge / Full RB



FR1 n7 / 25MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



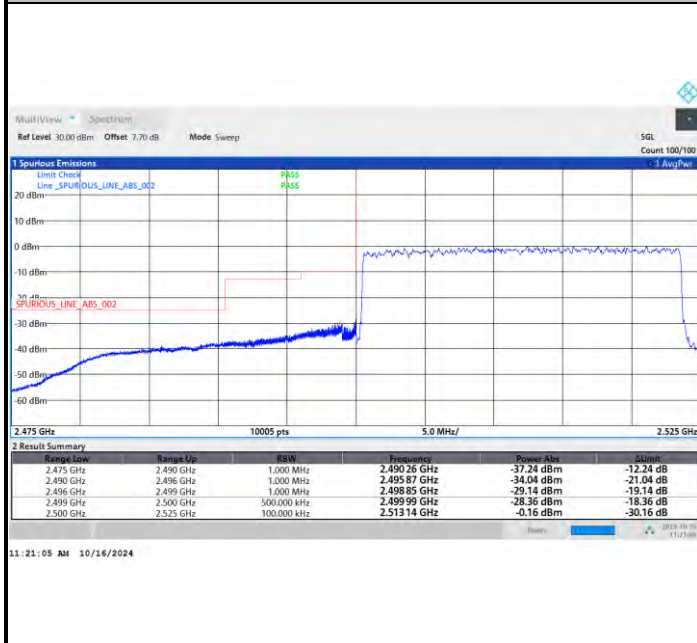
Highest Band Edge / Full RB



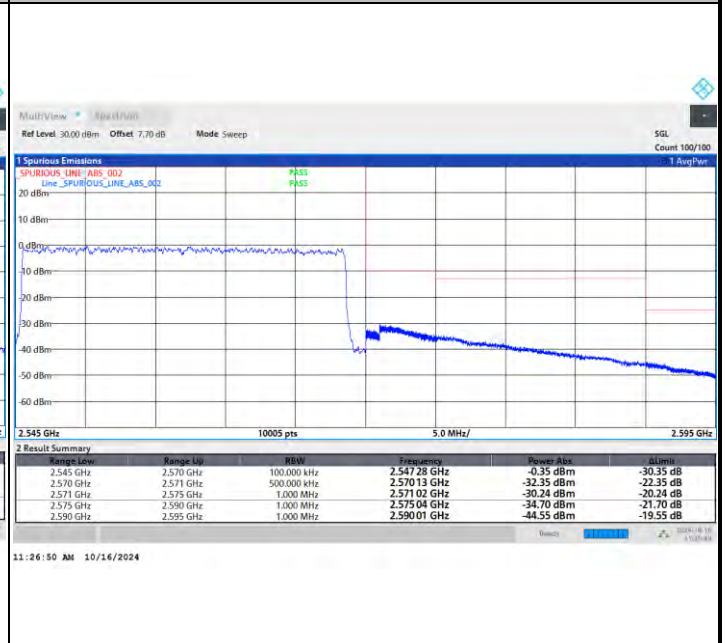


FR1 n7 / 25MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

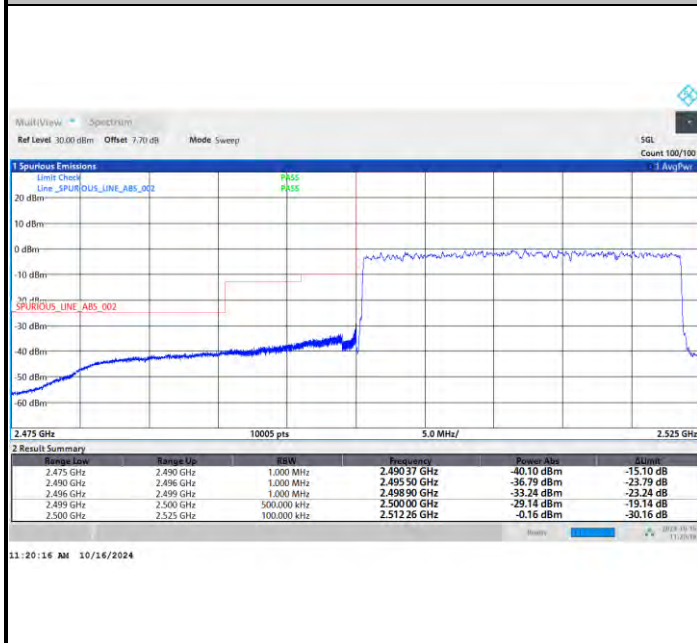


Highest Band Edge / Full RB

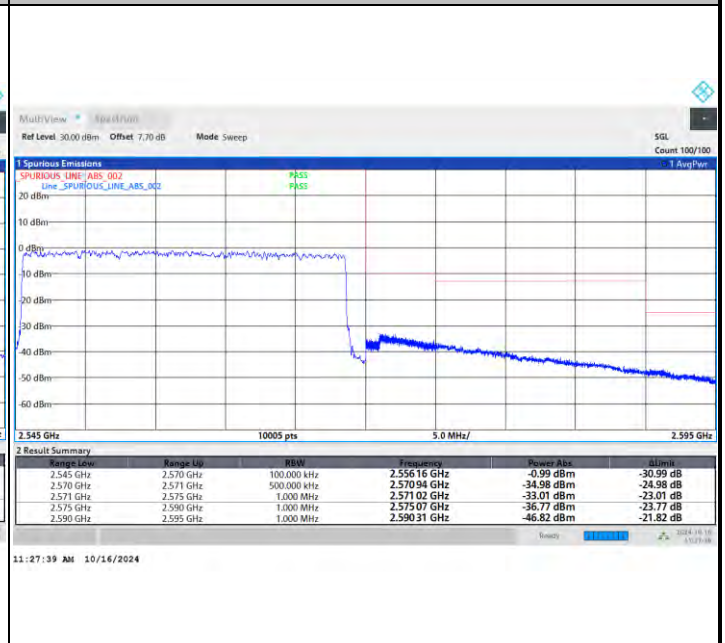


FR1 n7 / 25MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



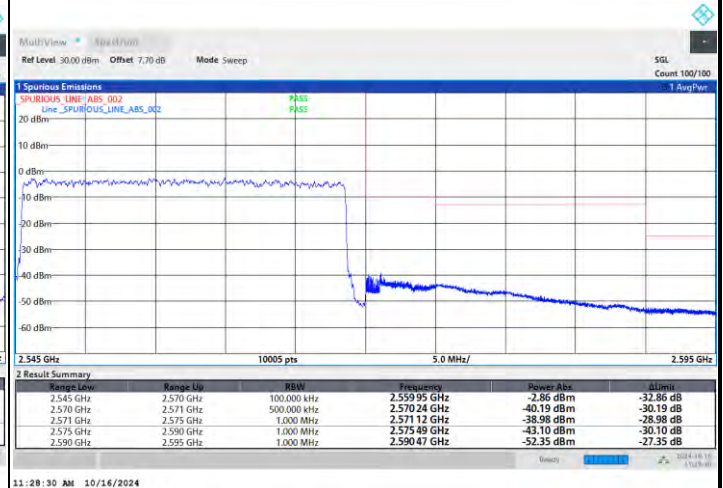


FR1 n7 / 25MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

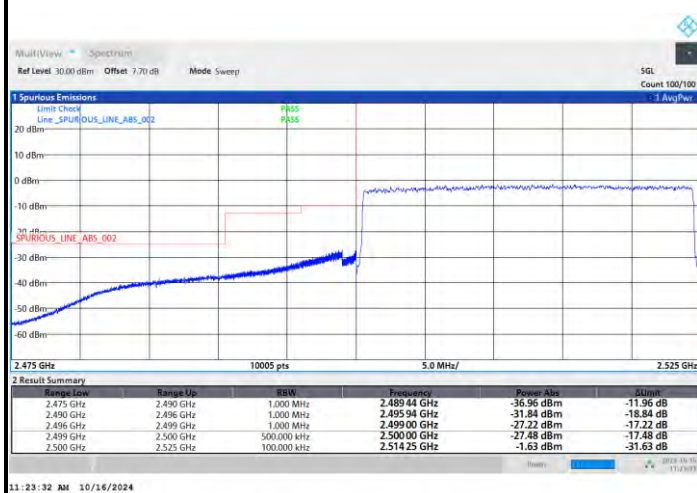


Highest Band Edge / Full RB

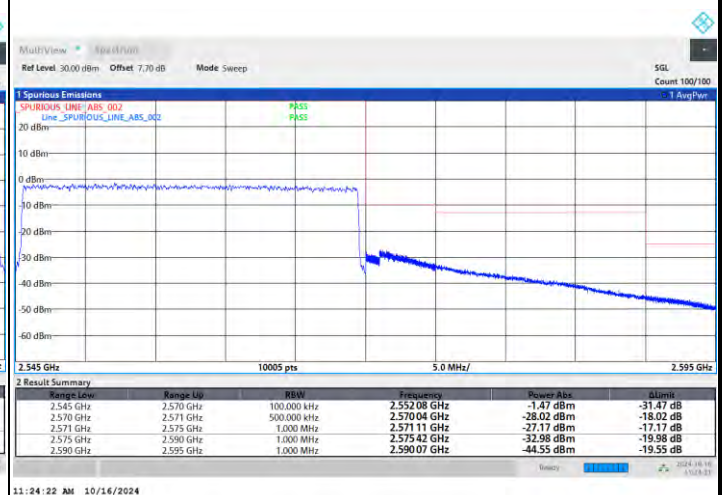


FR1 n7 / 25MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



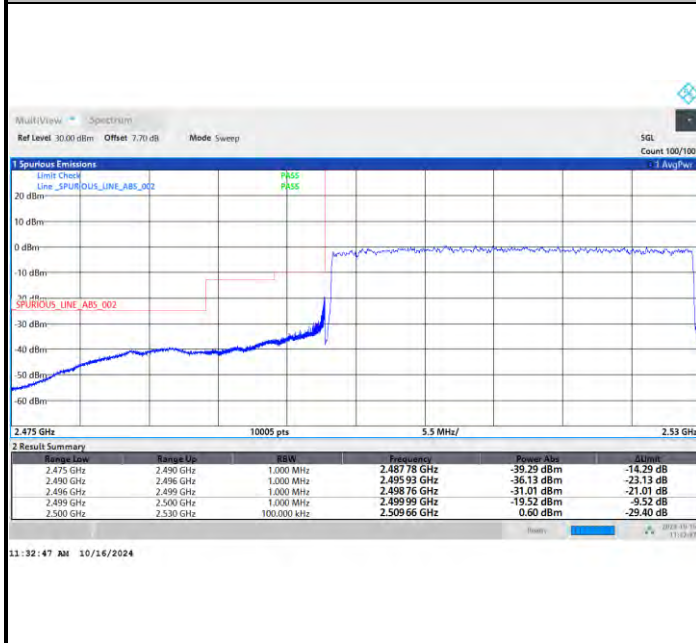
Highest Band Edge



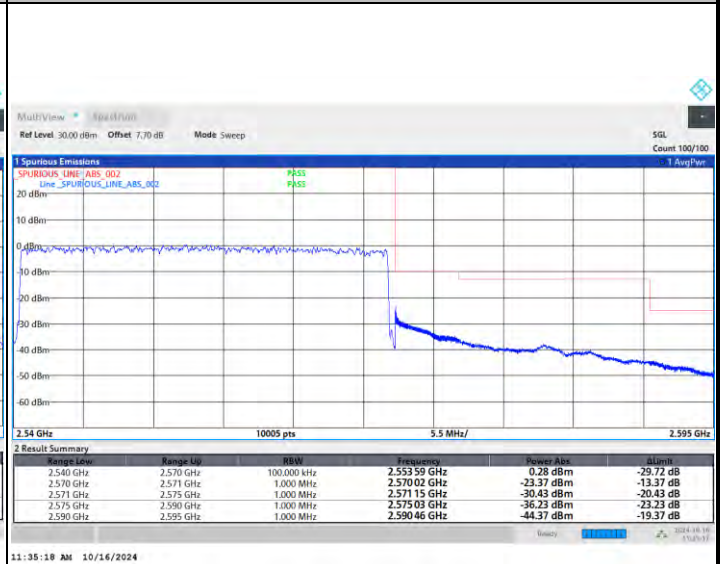


FR1 n7 / 30MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

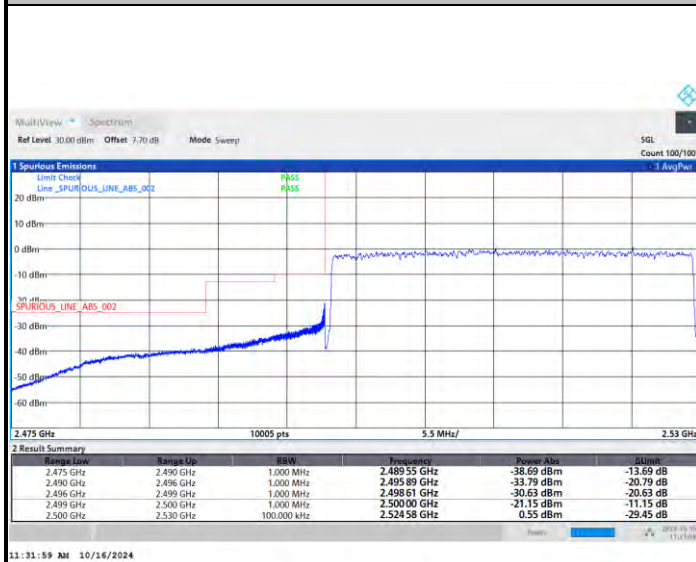


Highest Band Edge / Full RB



FR1 n7 / 30MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



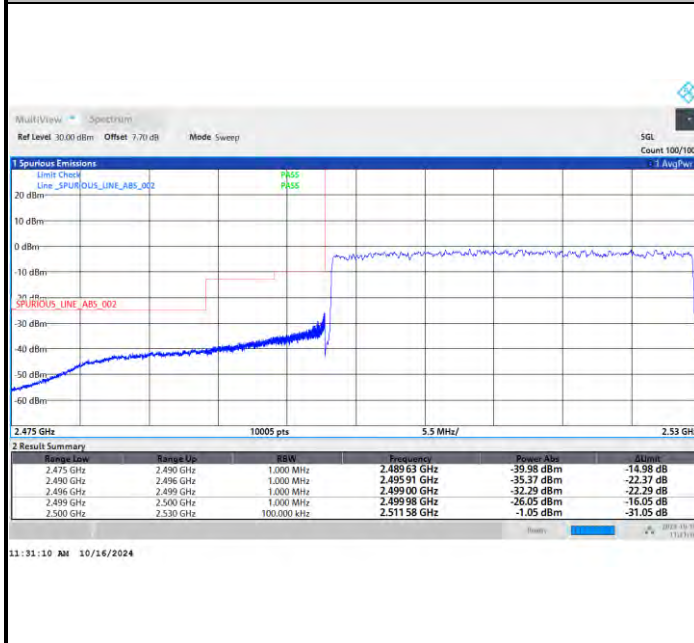
Highest Band Edge / Full RB



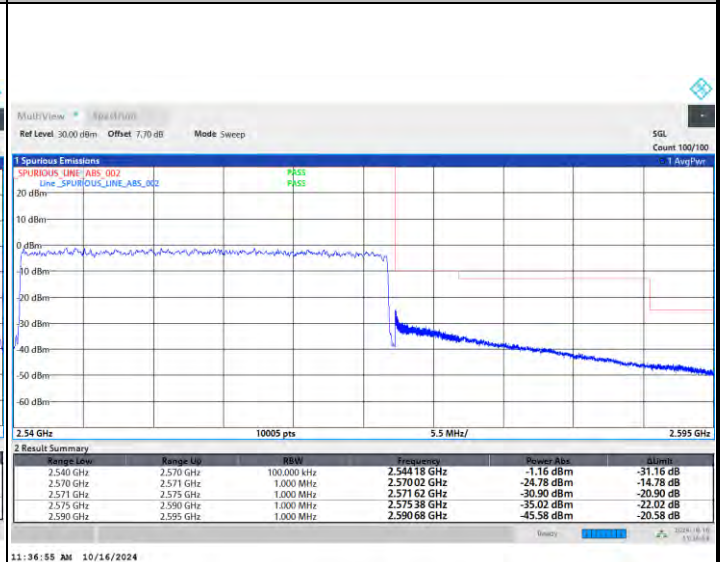


FR1 n7 / 30MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

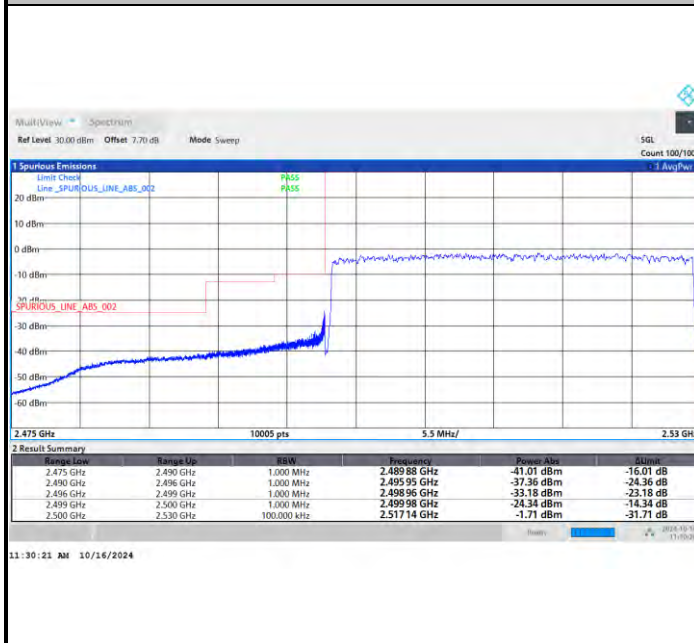


Highest Band Edge / Full RB

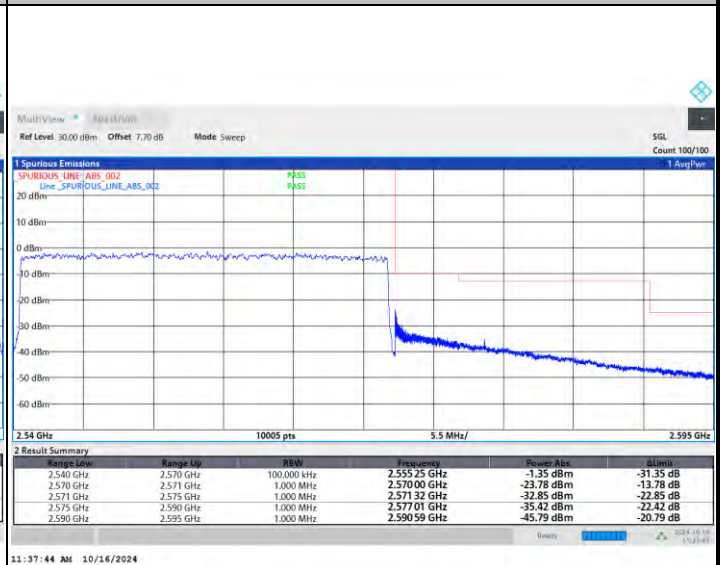


FR1 n7 / 30MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



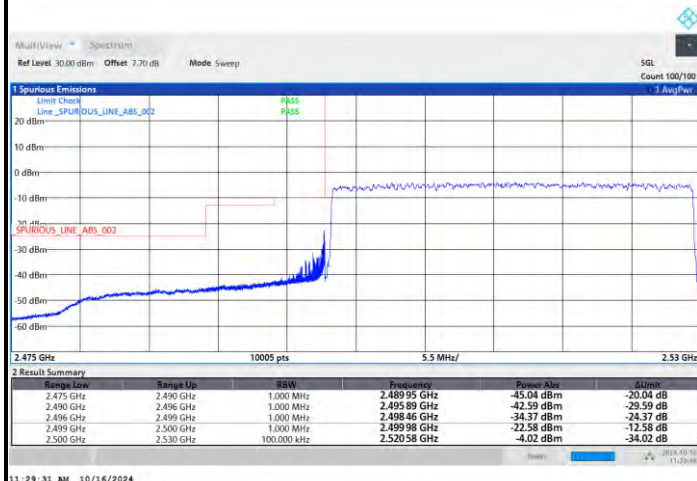
Highest Band Edge / Full RB





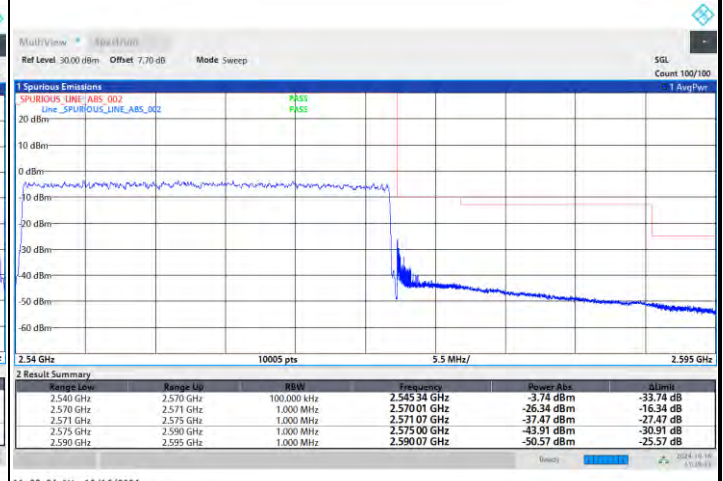
FR1 n7 / 30MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB



11:29:31 AM 10/16/2024

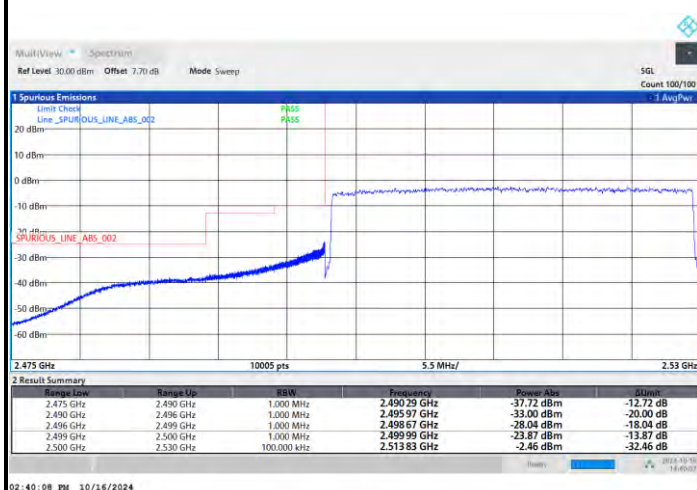
Highest Band Edge / Full RB



11:30:34 AM 10/16/2024

FR1 n7 / 30MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



02:40:08 PM 10/16/2024

Highest Band Edge



11:34:28 AM 10/16/2024

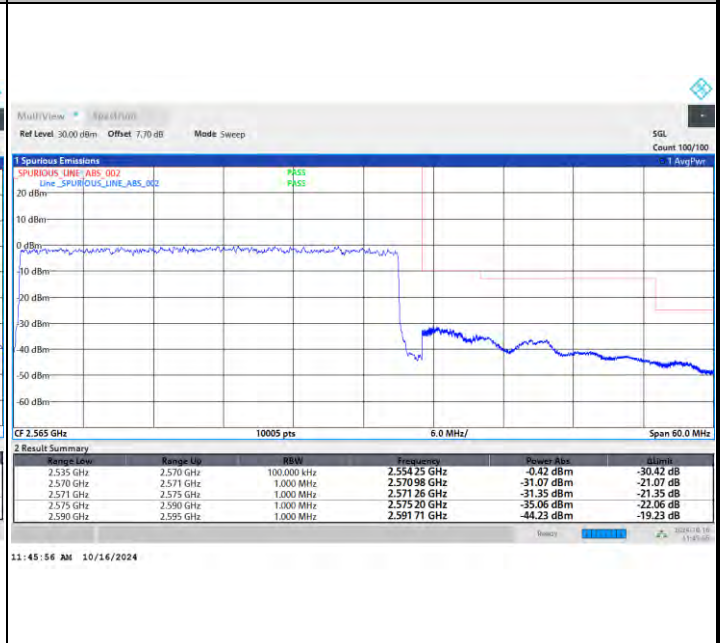


FR1 n7 / 35MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

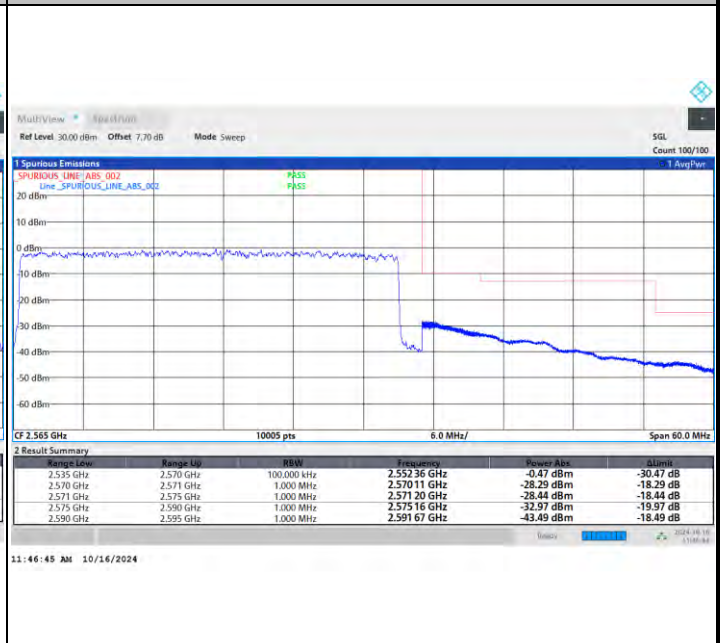


FR1 n7 / 35MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n7 / 35MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB



11:41:08 AM 10/16/2024

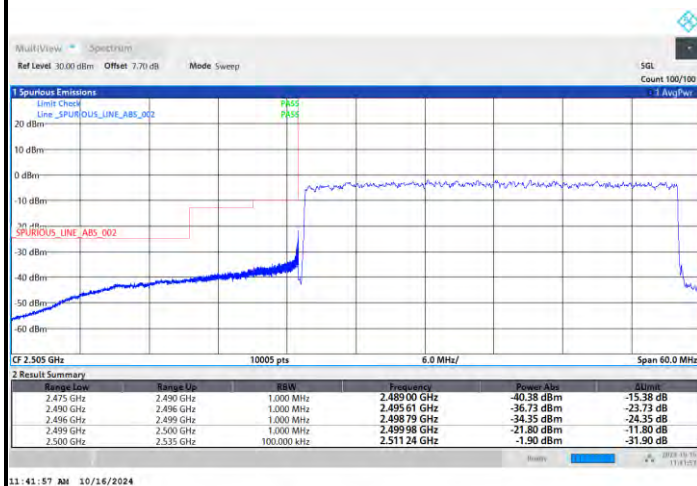
Highest Band Edge / Full RB



11:47:33 AM 10/16/2024

FR1 n7 / 35MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



11:41:57 AM 10/16/2024

Highest Band Edge / Full RB



11:48:22 AM 10/16/2024



FR1 n7 / 35MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB



11:42:47 AM 10/16/2024

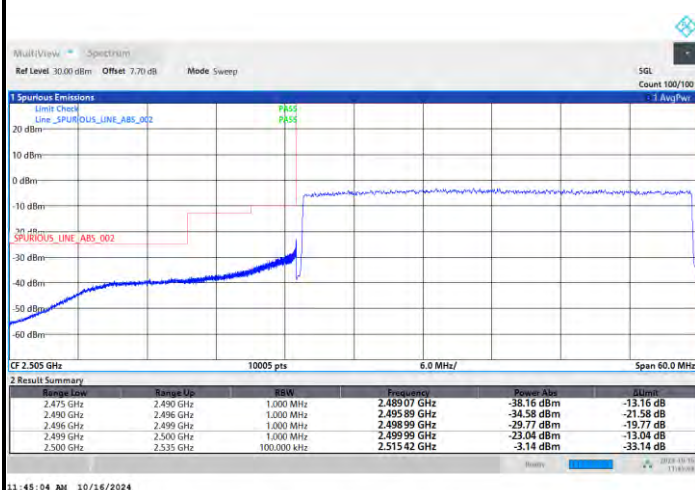
Highest Band Edge / Full RB



11:49:12 AM 10/16/2024

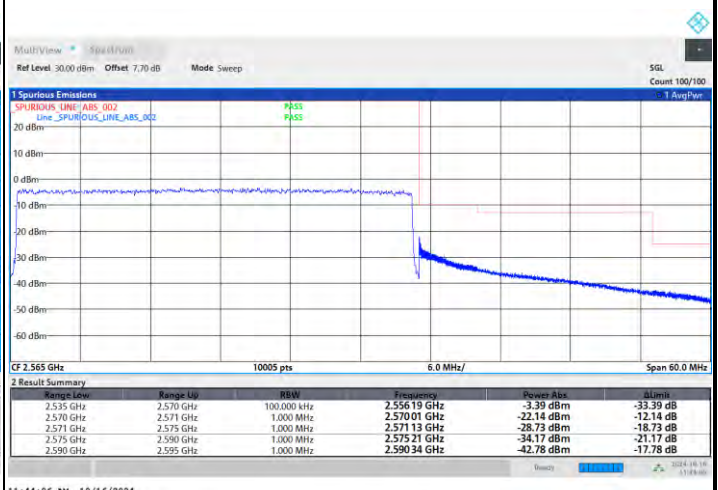
FR1 n7 / 35MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



11:45:04 AM 10/16/2024

Highest Band Edge

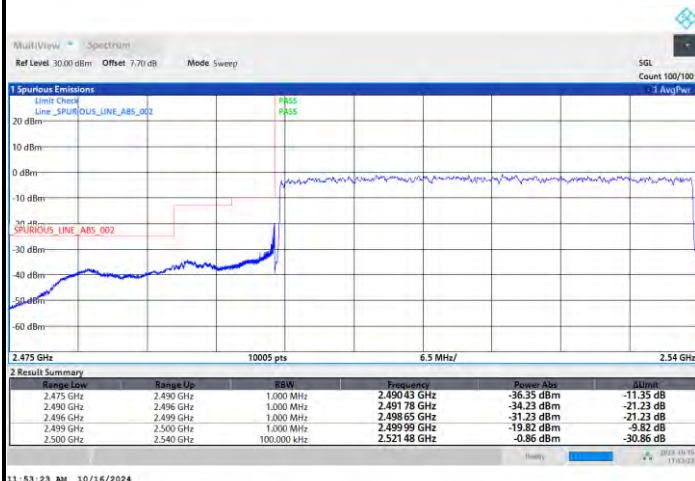


11:44:06 AM 10/16/2024

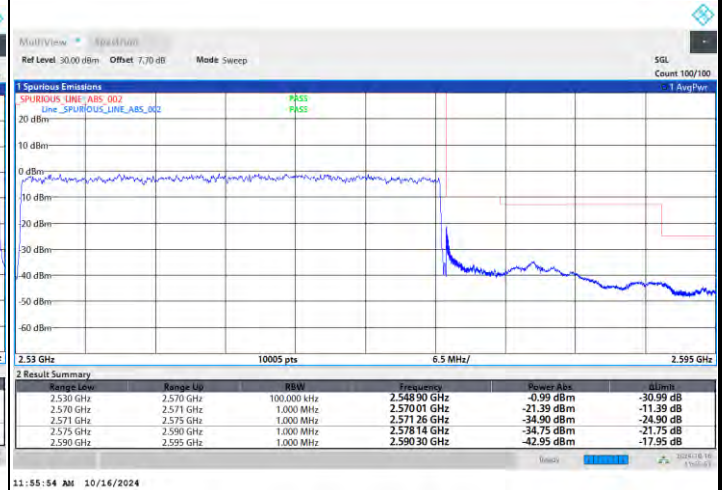


FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

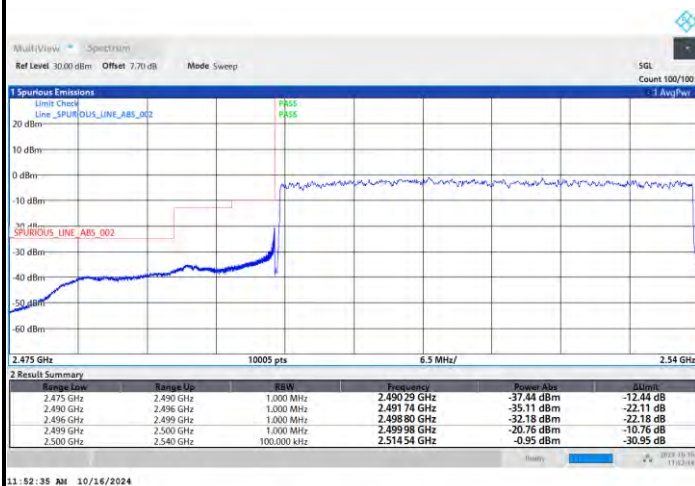


Highest Band Edge / Full RB

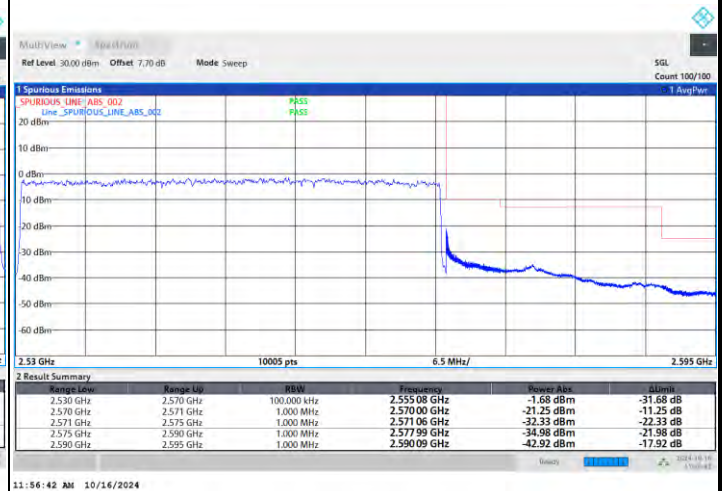


FR1 n7 / 40MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



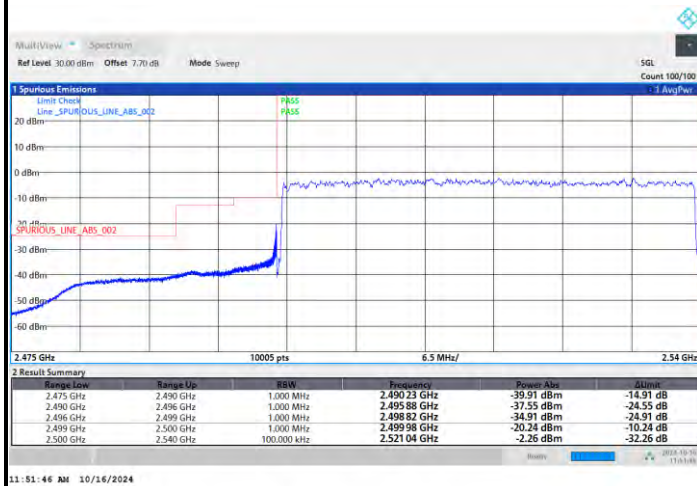
Highest Band Edge / Full RB





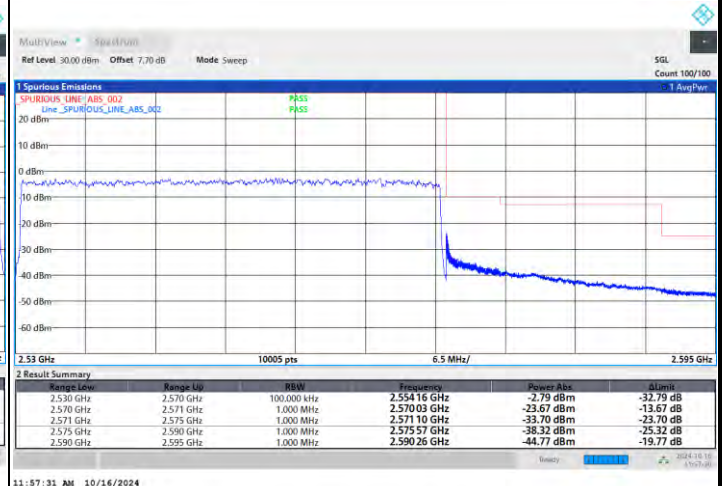
FR1 n7 / 40MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB



11:51:46 AM 10/16/2024

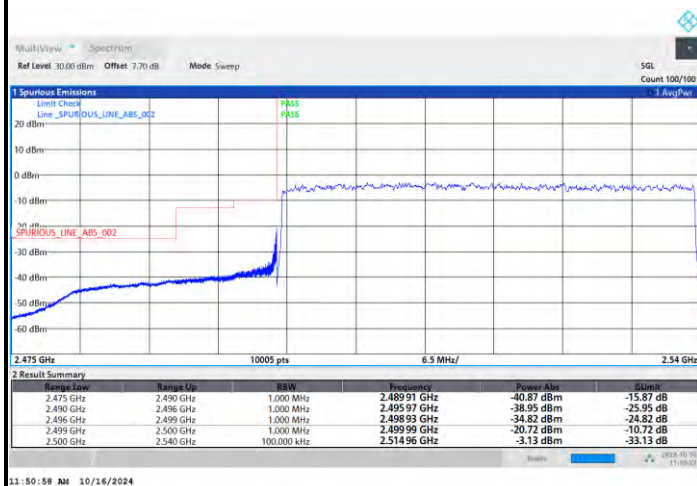
Highest Band Edge / Full RB



11:57:31 AM 10/16/2024

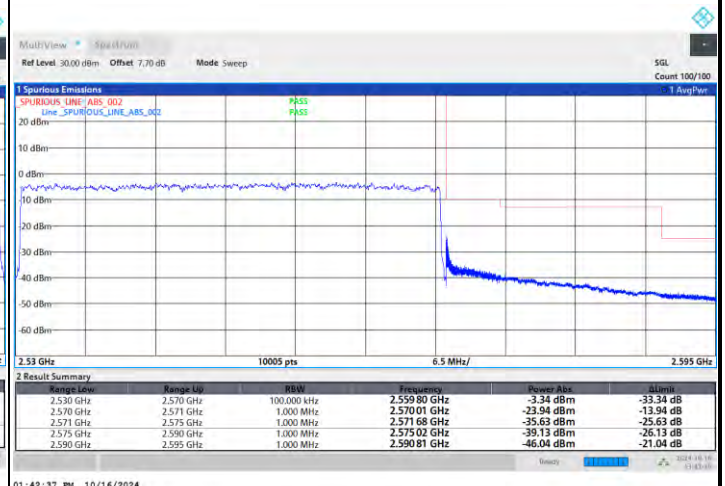
FR1 n7 / 40MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



11:50:58 AM 10/16/2024

Highest Band Edge / Full RB

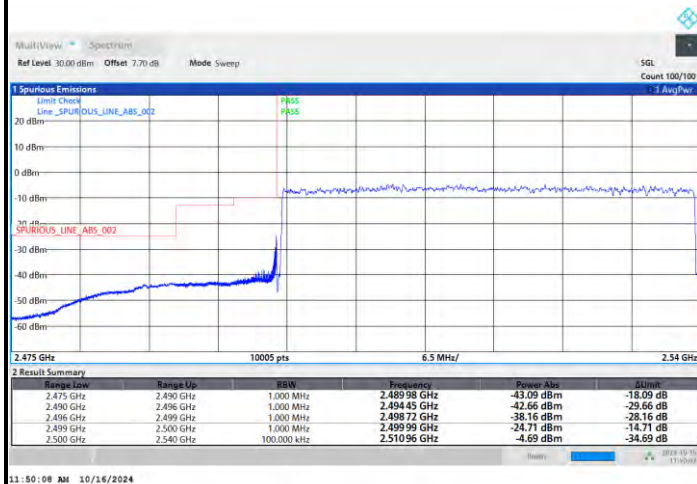


01:42:37 PM 10/16/2024

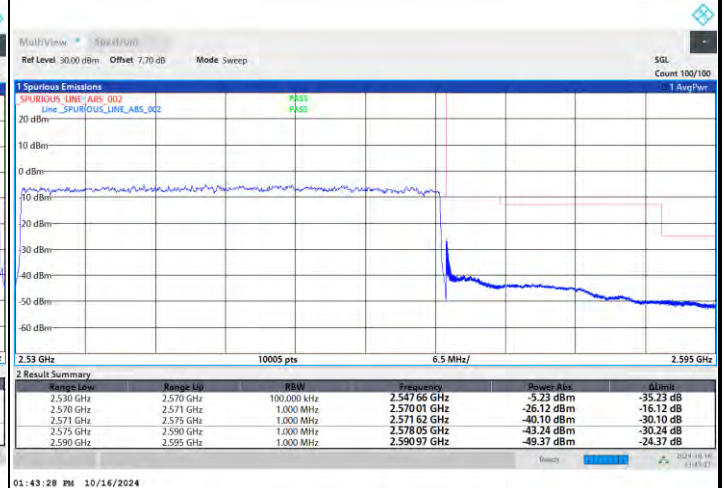


FR1 n7 / 40MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

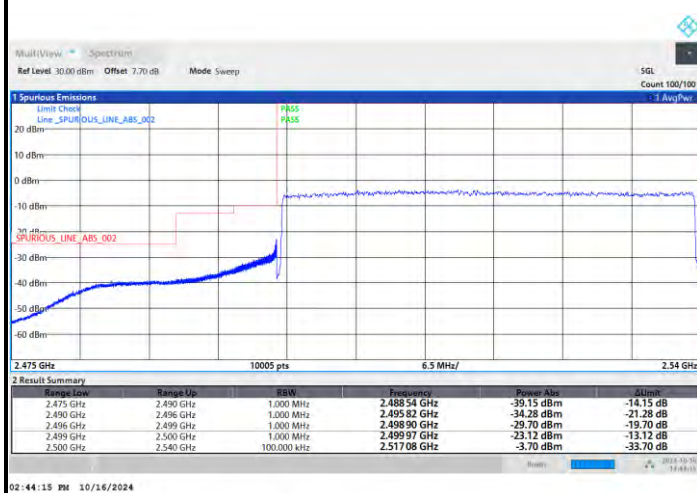


Highest Band Edge / Full RB

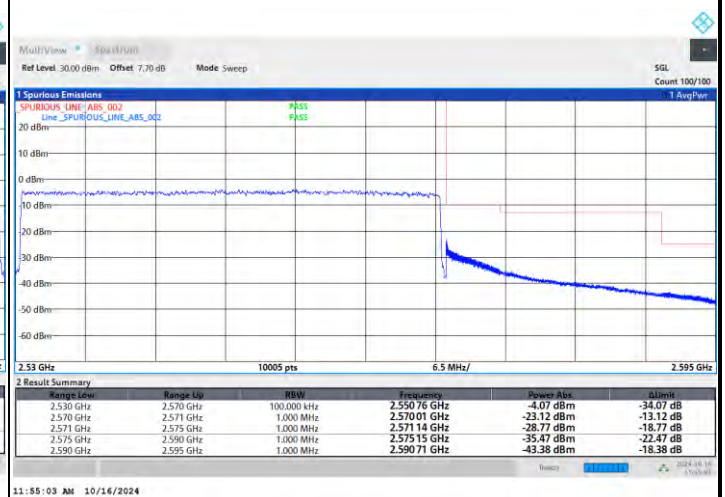


FR1 n7 / 40MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge

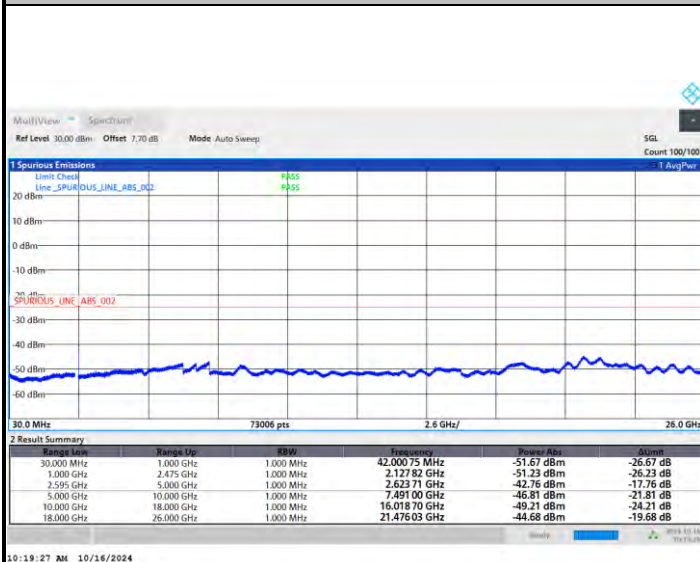




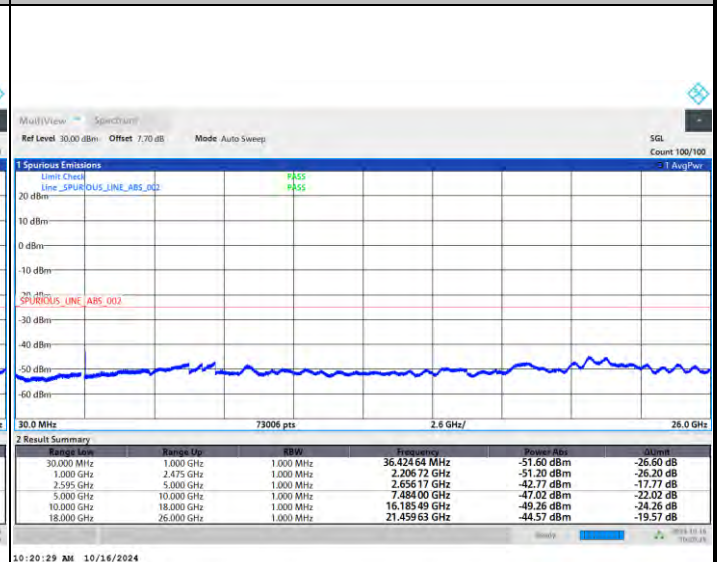
Conducted Spurious Emission

FR1 n7 / 5MHz / DFT-S OFDM / QPSK / 1RB1

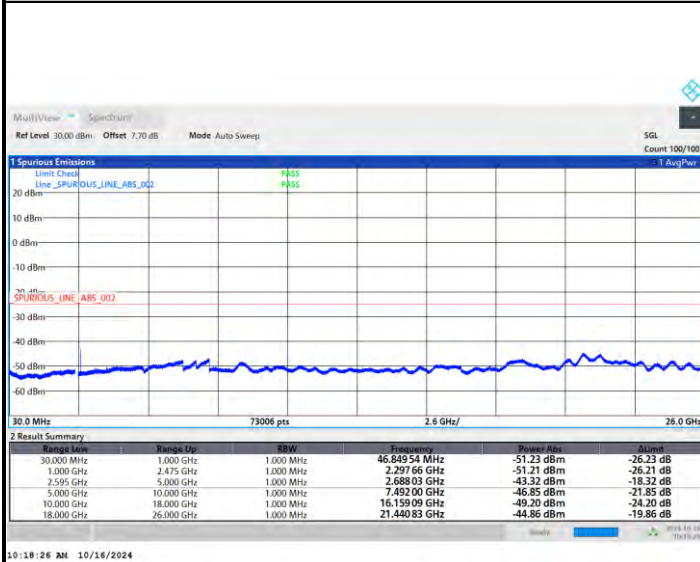
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n7 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0004	

Note:

1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

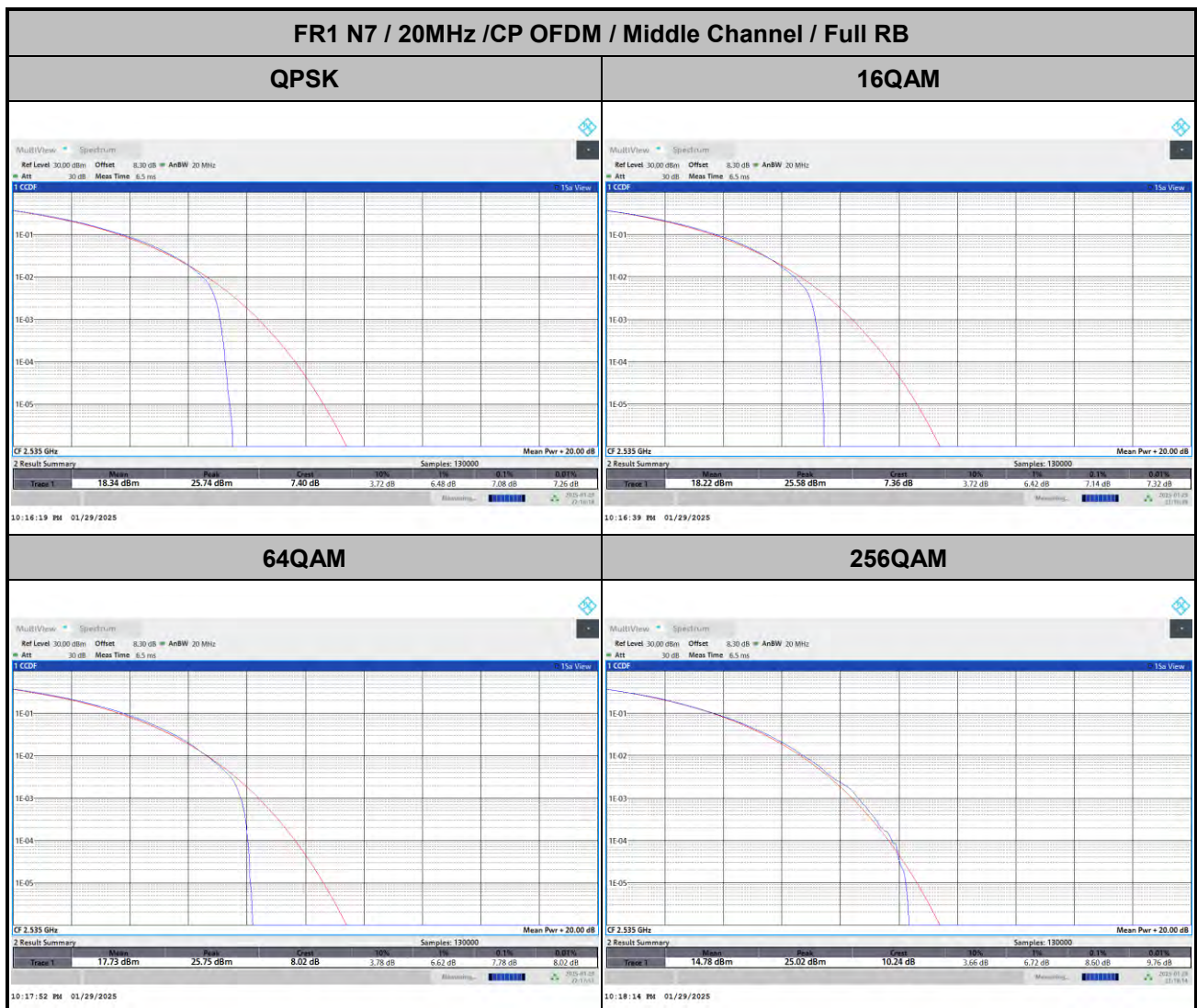


<MIMO Mode>

MIMO <Ant. 2>

Peak-to-Average Ratio

Mode	FR1 N7 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	7.08	7.14	7.78	8.60	PASS



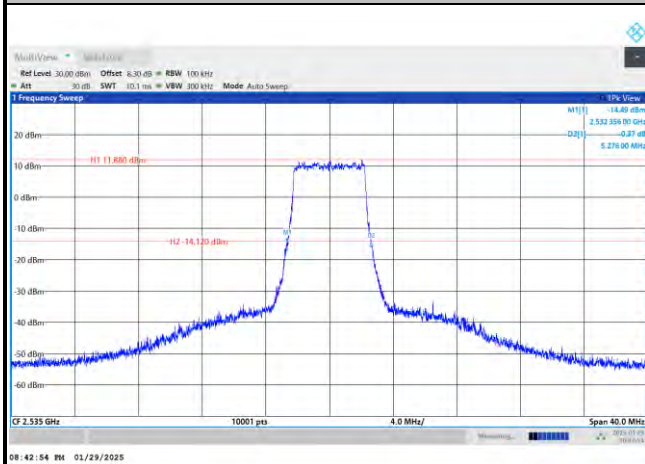
**26dB Bandwidth**

Mode	FR1 N7 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.27	5.42	9.74	10.17	15.54	15.61	20.46	20.48
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.17	5.31	10.21	10.34	15.55	15.51	20.40	20.51
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	25.18	25.14	31.24	31.08	36.10	36.19	41.16	41.42
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	25.22	25.32	31.28	31.12	37.71	36.14	41.14	39.95

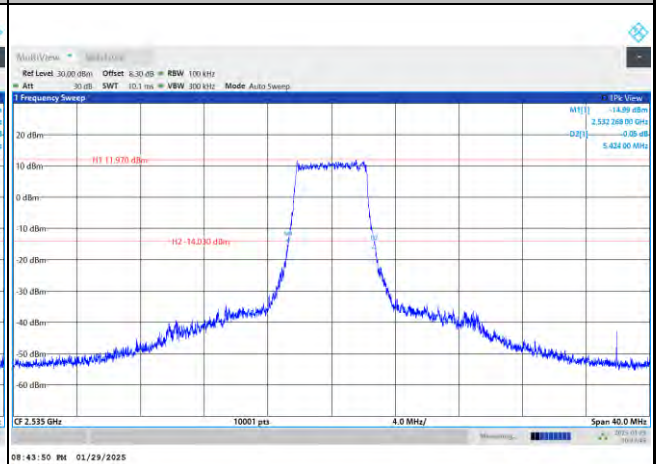


FR1 N7 / 5MHz / CP OFDM / Middle Channel / Full RB

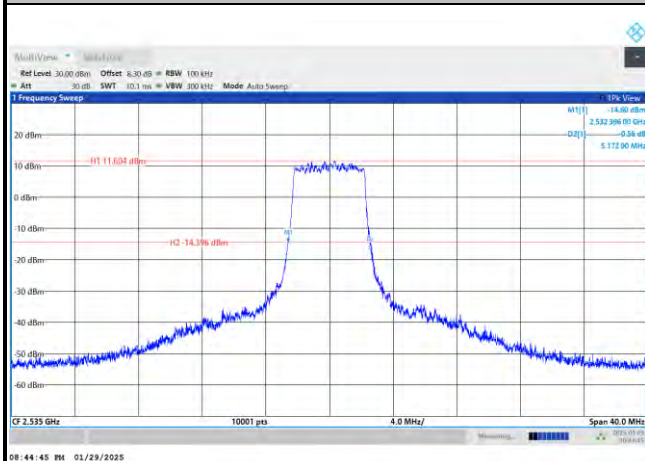
QPSK



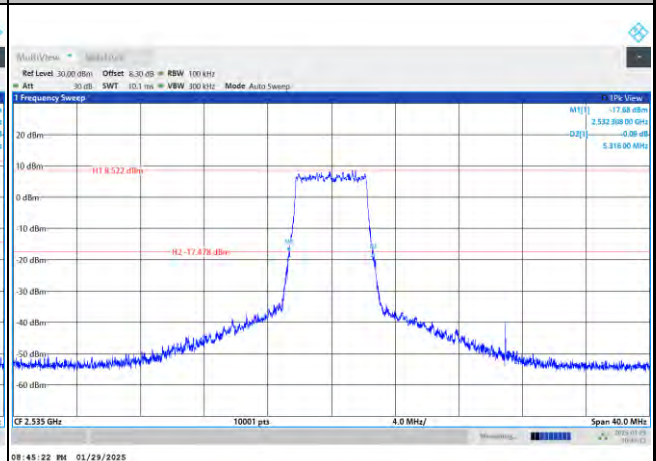
16QAM



64QAM



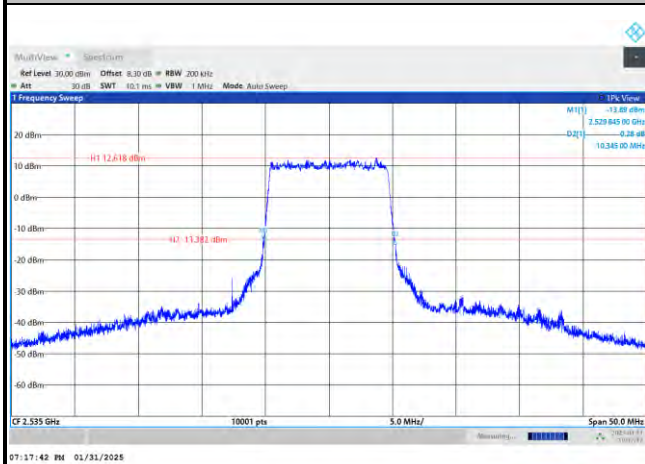
256QAM



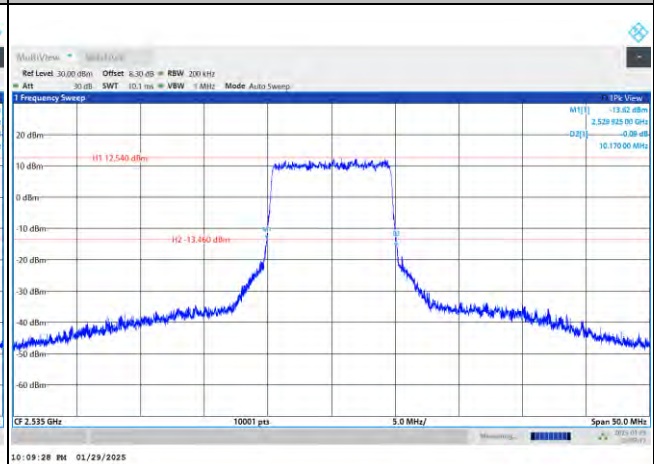


FR1 N7 / 10MHz / CP OFDM / Middle Channel / Full RB

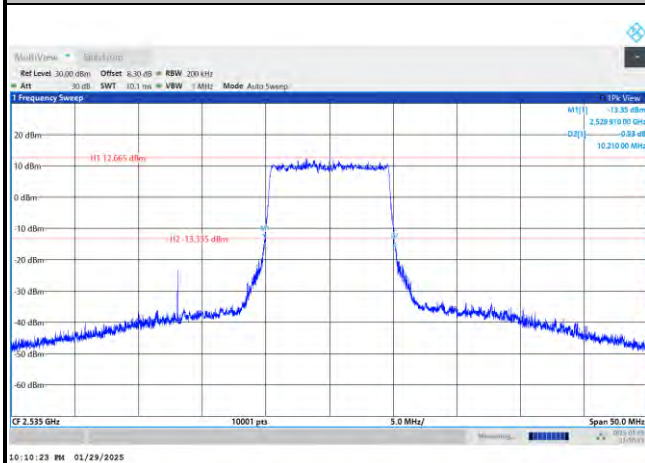
QPSK



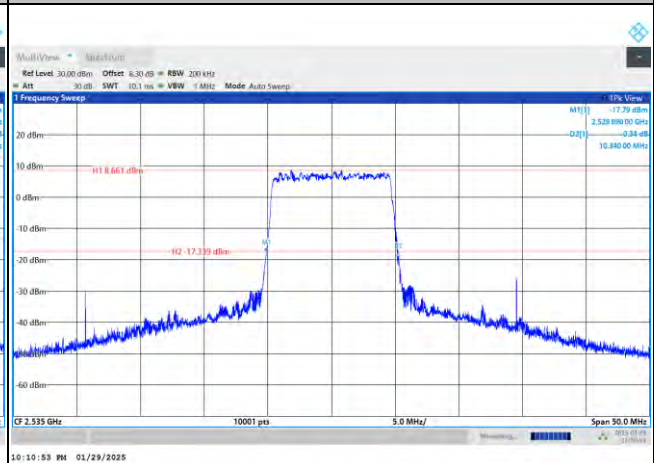
16QAM



64QAM



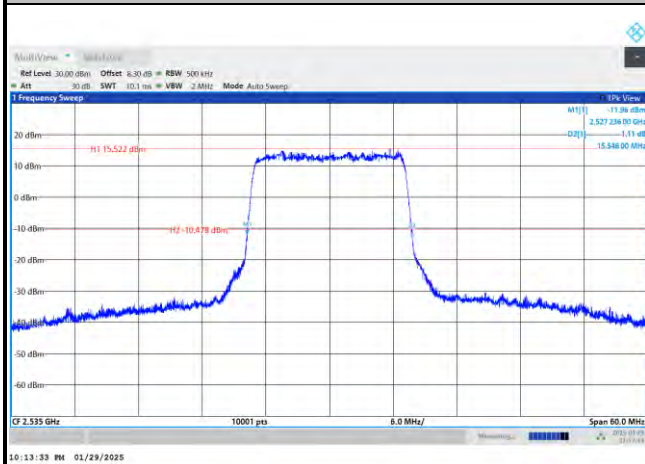
256QAM



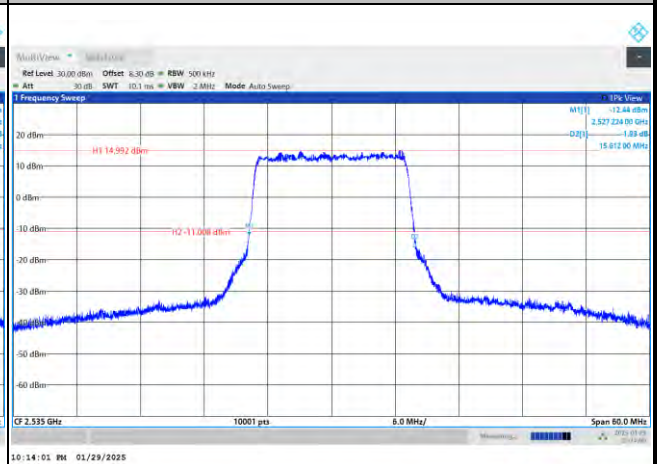


FR1 N7 / 15MHz / CP OFDM / Middle Channel / Full RB

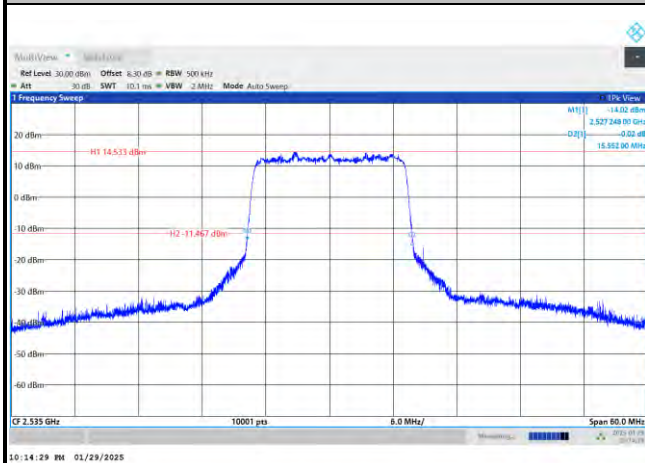
QPSK



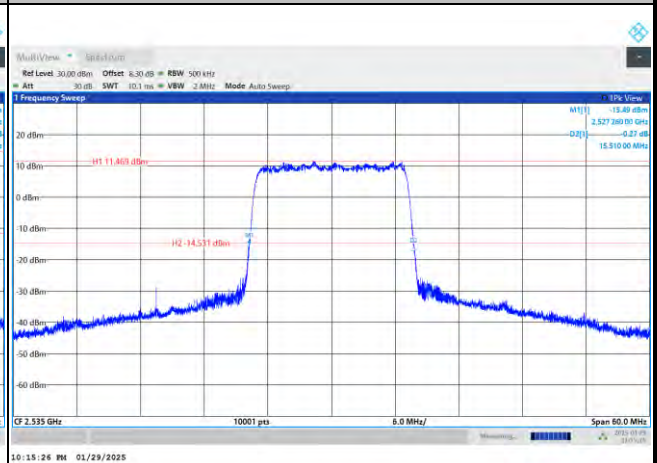
16QAM



64QAM



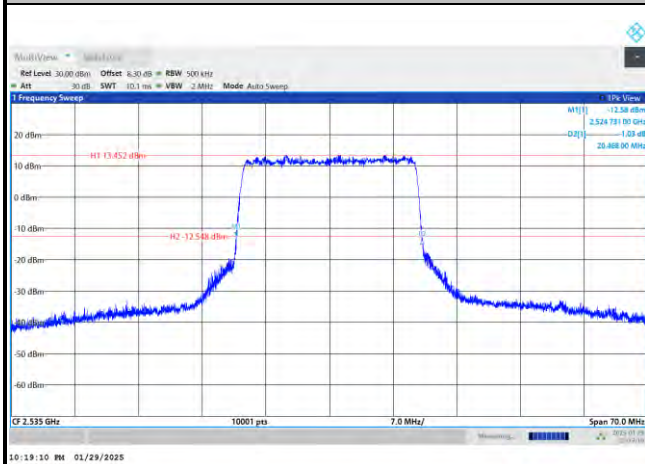
256QAM



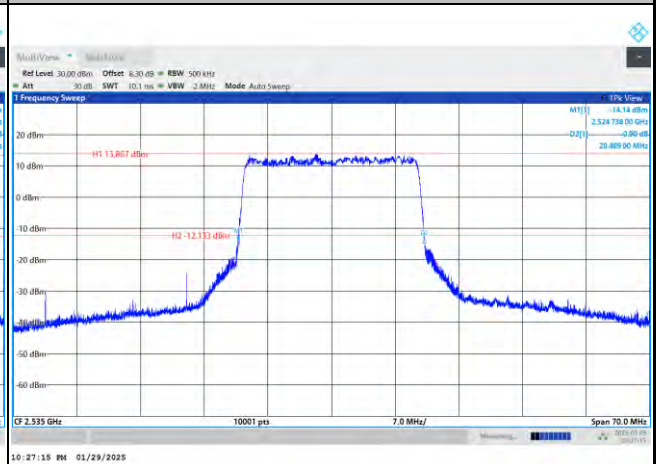


FR1 N7 / 20MHz / CP OFDM / Middle Channel / Full RB

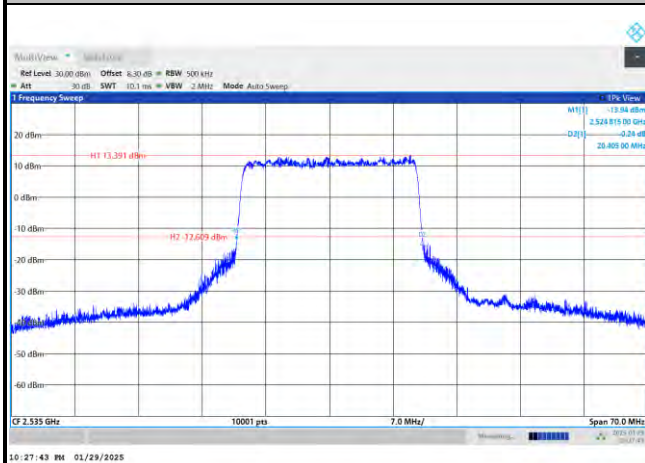
QPSK



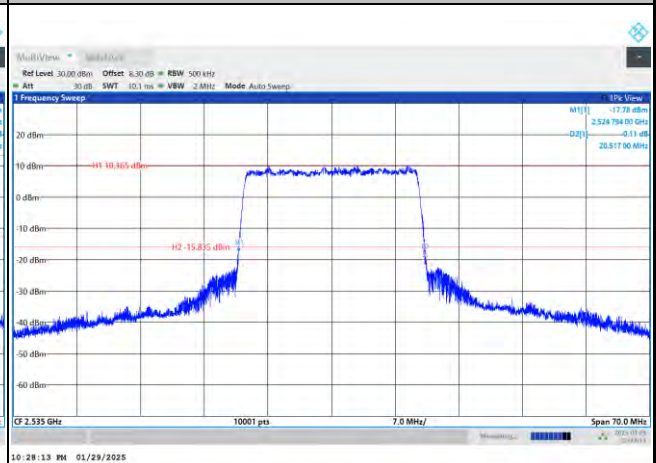
16QAM

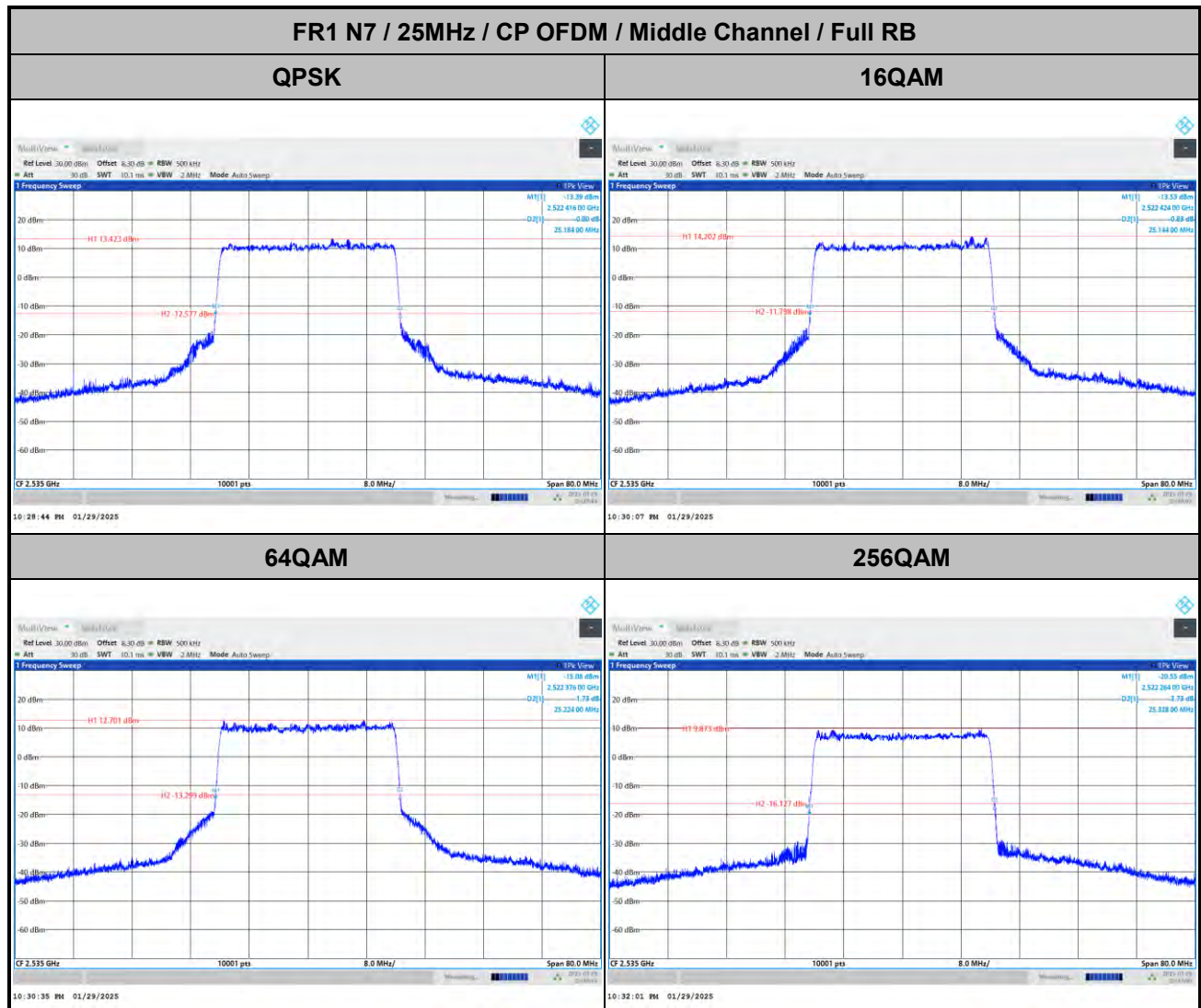


64QAM



256QAM

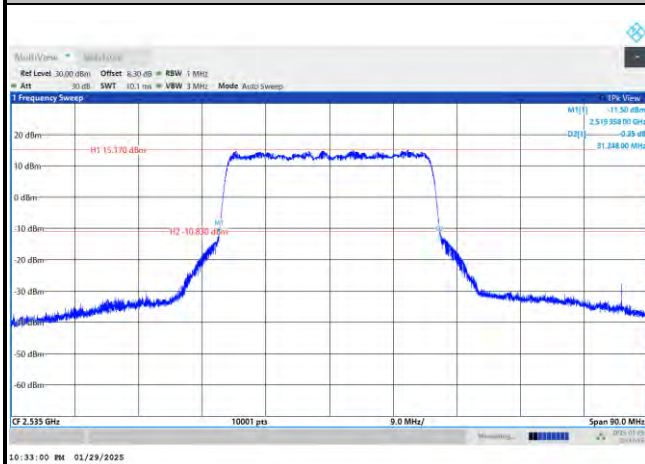




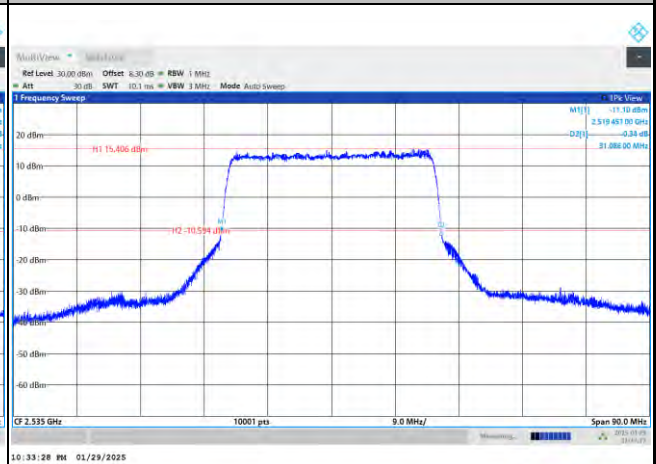


FR1 N7 / 30MHz / CP OFDM / Middle Channel / Full RB

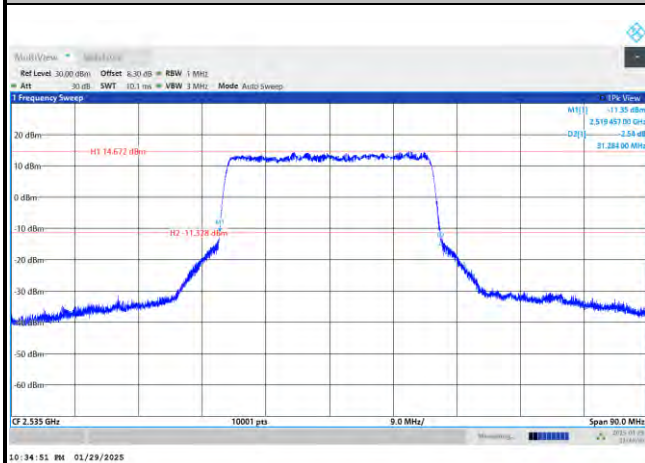
QPSK



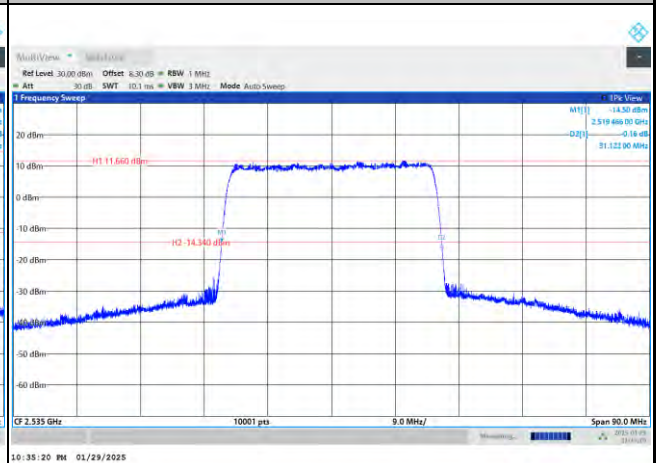
16QAM



64QAM



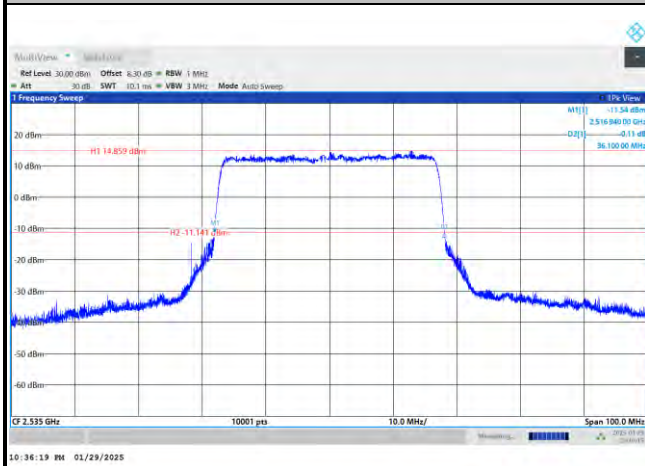
256QAM



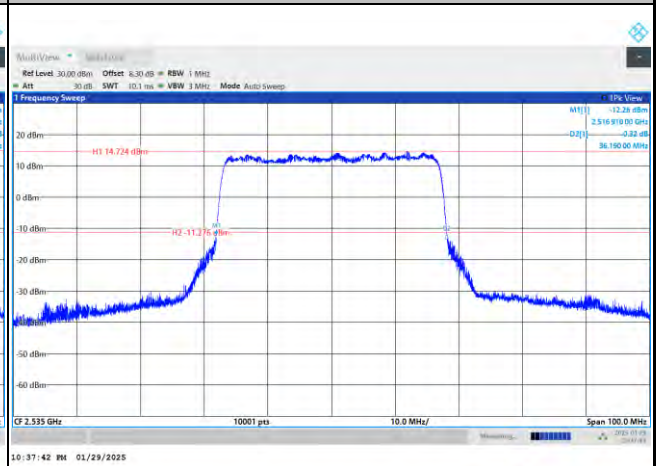


FR1 N7 / 35MHz / CP OFDM / Middle Channel / Full RB

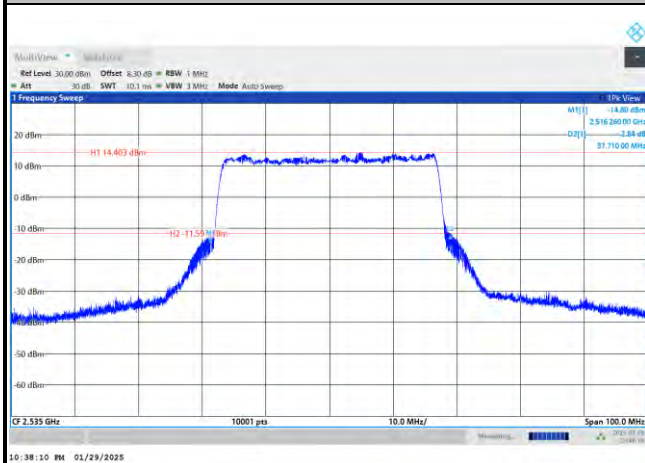
QPSK



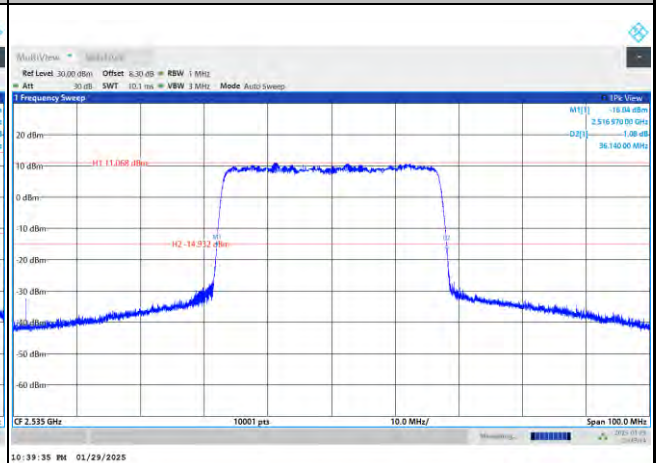
16QAM

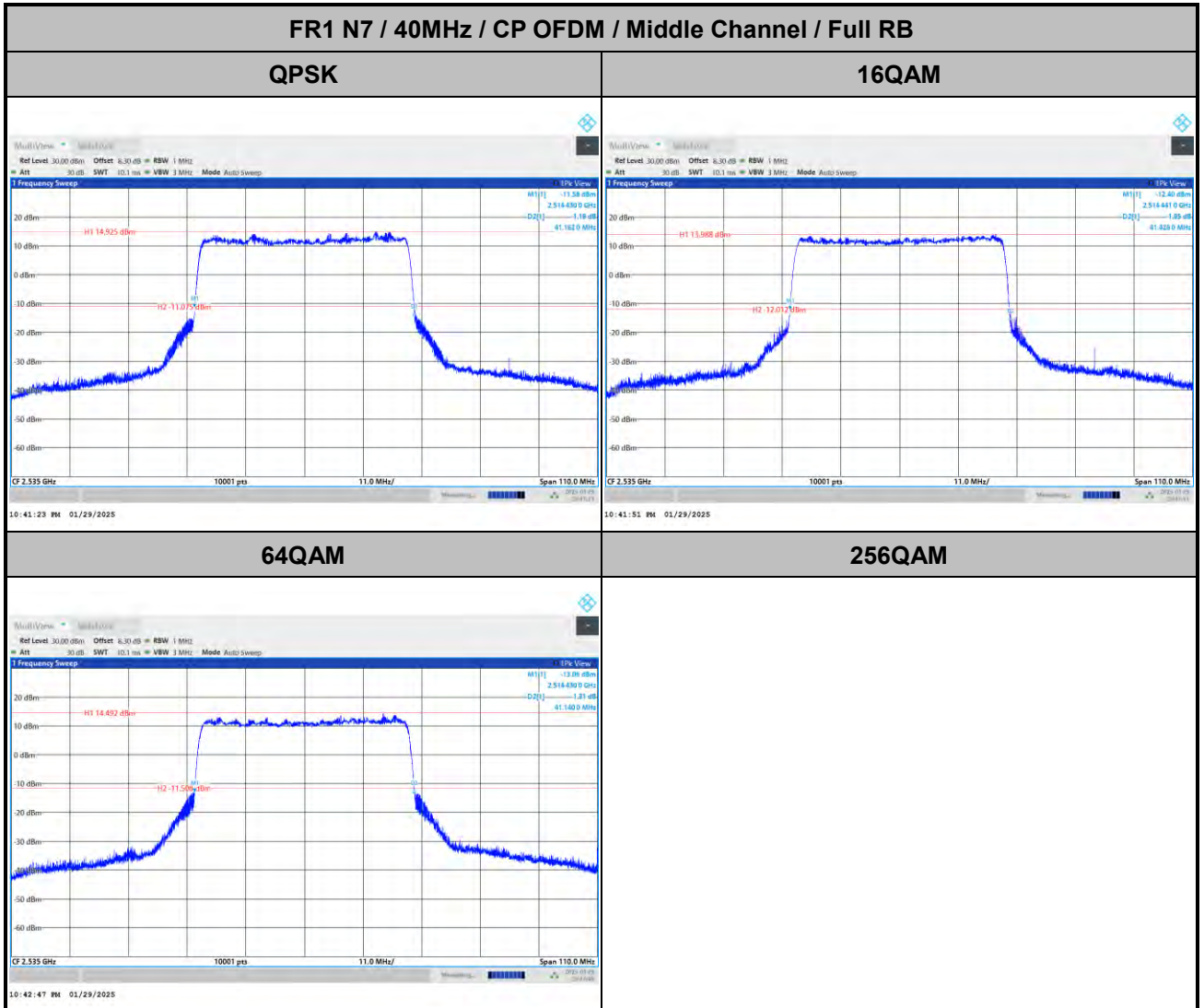


64QAM



256QAM





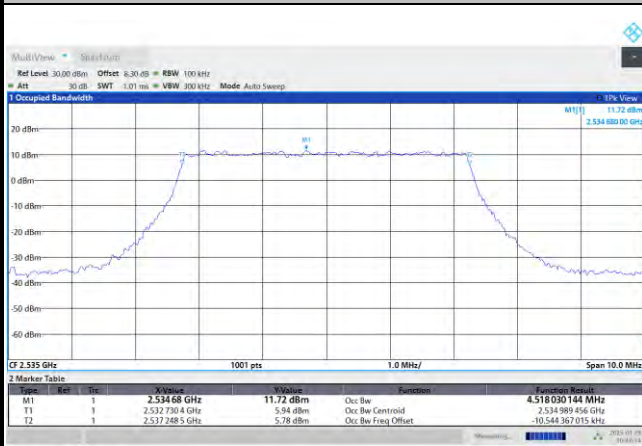
**Occupied Bandwidth**

Mode	FR1 N7 : OB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.51	4.52	9.33	9.31	14.58	14.25	19.01	19.07
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.49	4.50	9.33	9.34	14.28	14.24	19.04	19.02
BW	25MHz		30MHz		35MHz		40MH	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	23.81	23.79	28.89	29.64	33.89	33.95	38.91	38.88
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	23.84	23.81	28.90	28.96	33.90	33.75	38.86	38.91

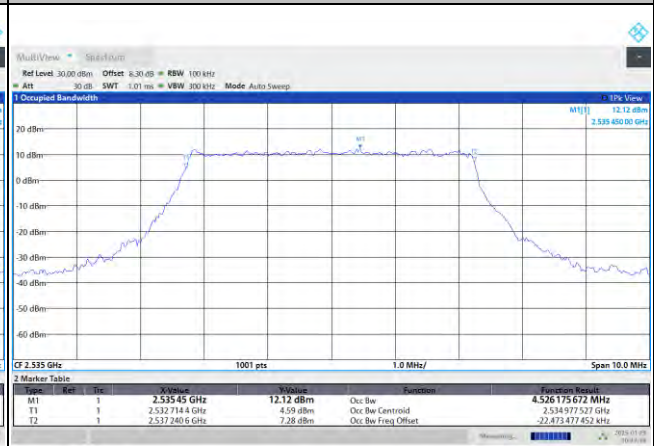


FR1 N7 / 5MHz / CP OFDM / Middle Channel / Full RB

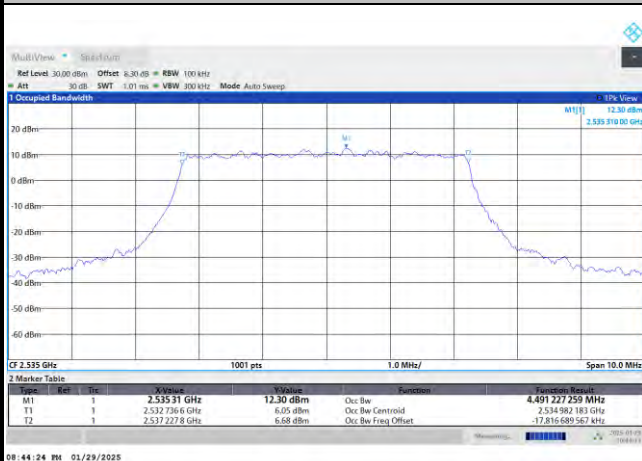
QPSK



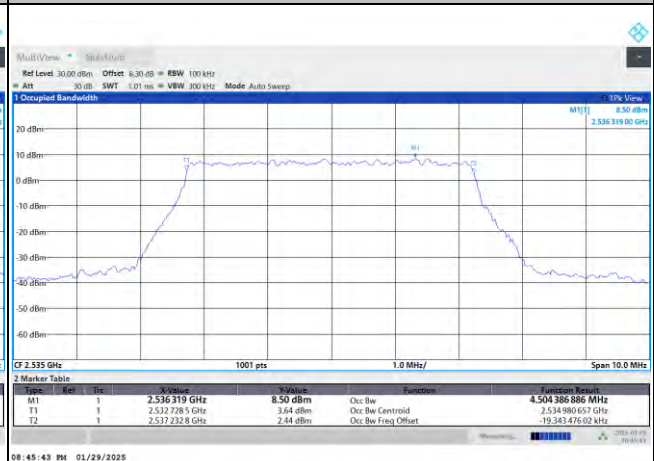
16QAM



64QAM



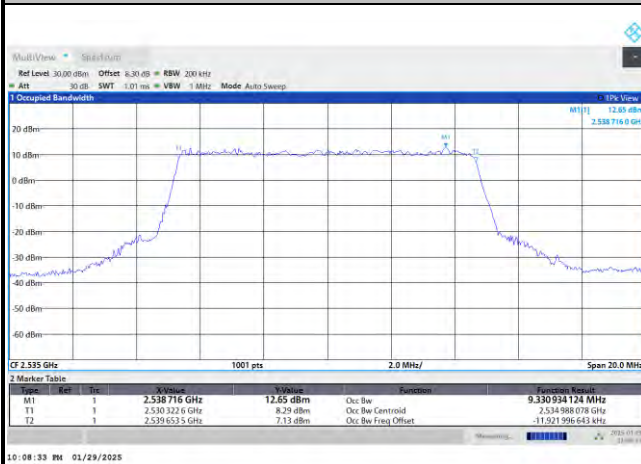
256QAM



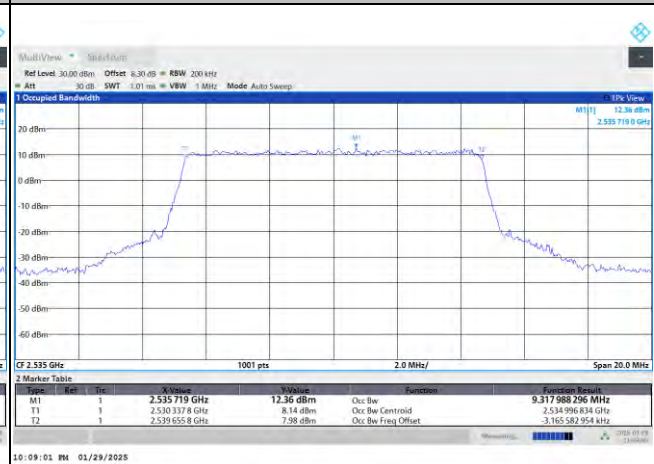


FR1 N7 / 10MHz / CP OFDM / Middle Channel / Full RB

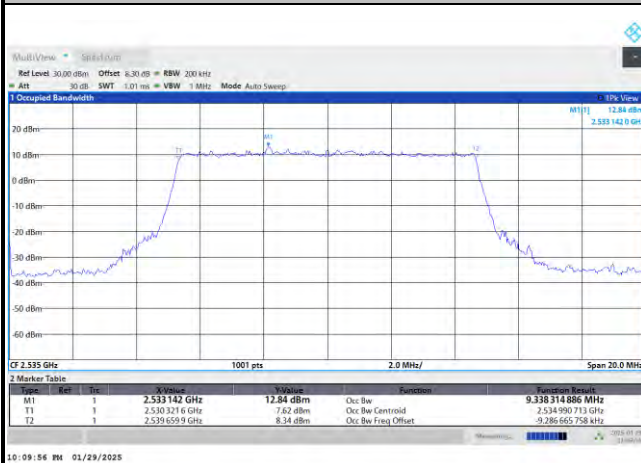
QPSK



16QAM



64QAM



256QAM

