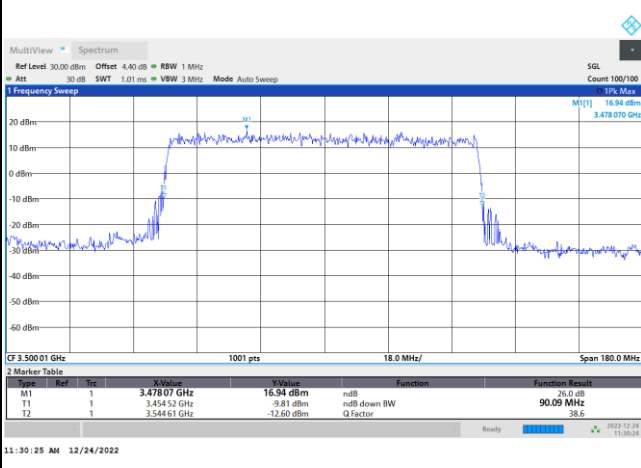




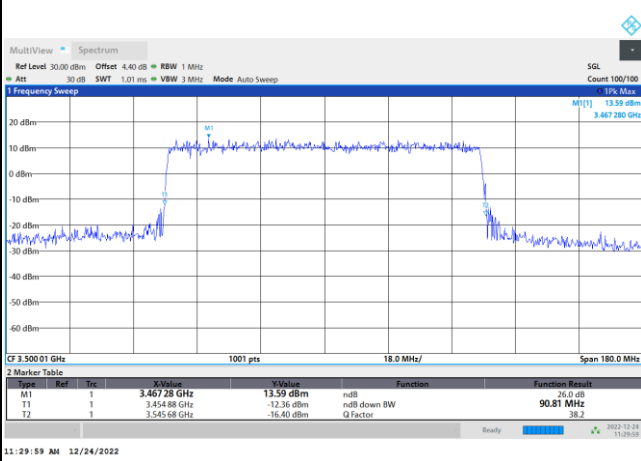
FR1 n77 / 90MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

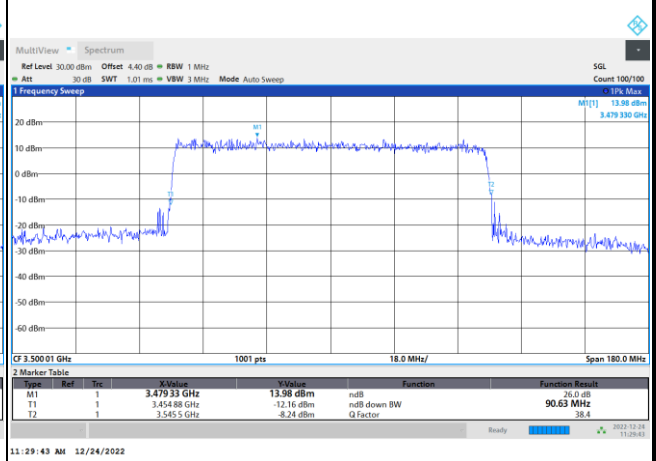


FR1 n77 / 90MHz / CP OFDM / Middle Channel / Full RB

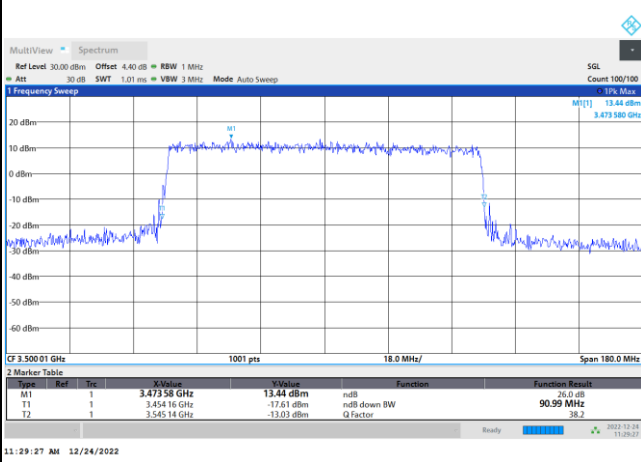
QPSK



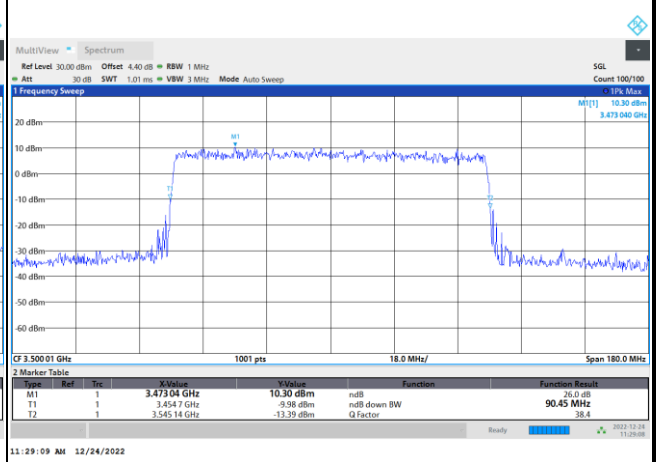
16QAM



64QAM



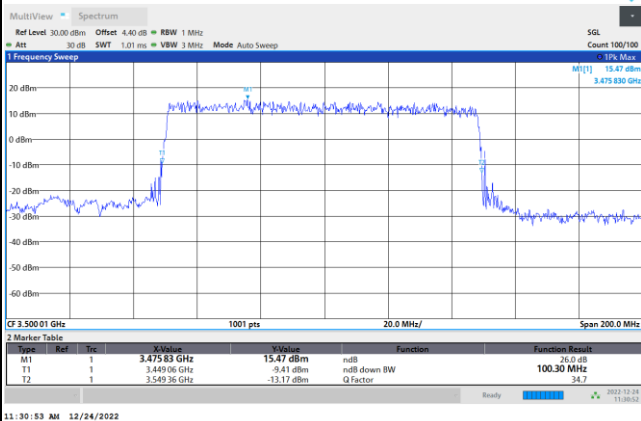
256QAM





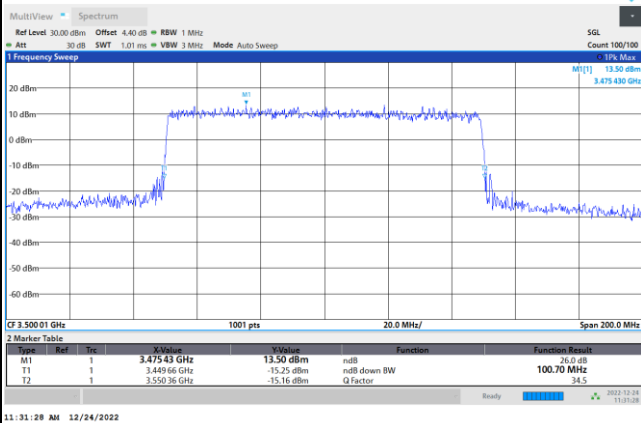
FR1 n77 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

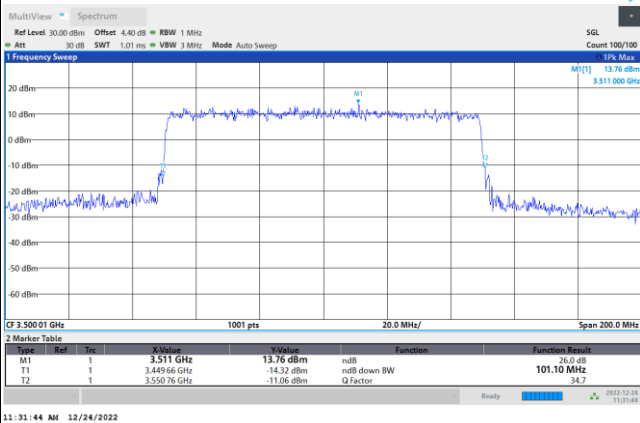


FR1 n77 / 100MHz / CP OFDM / Middle Channel / Full RB

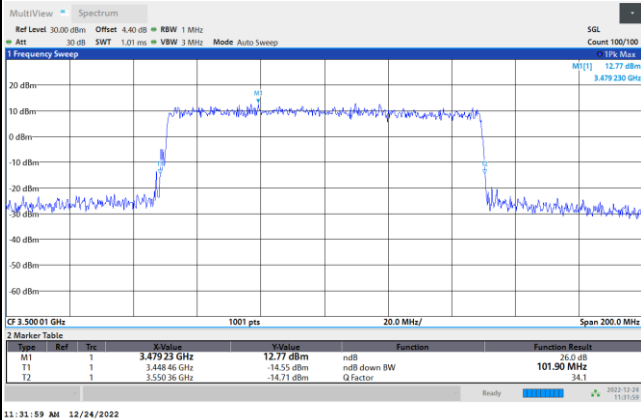
QPSK



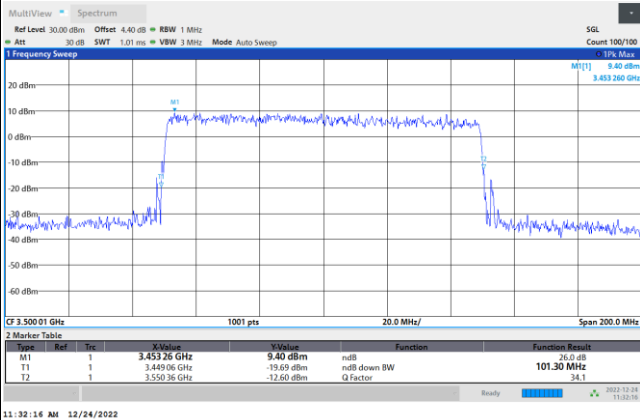
16QAM



64QAM



256QAM





Occupied Bandwidth

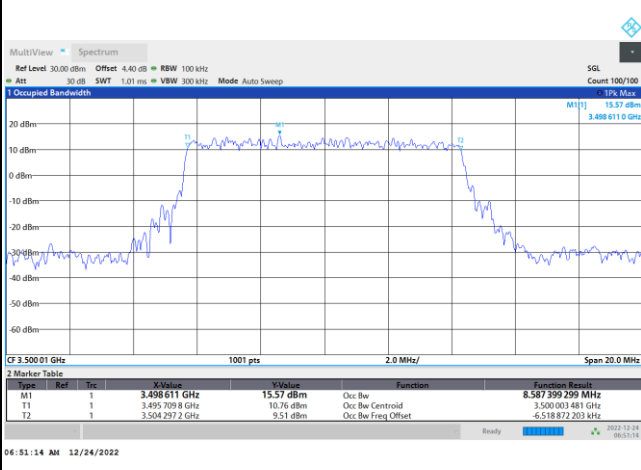
Mode	FR1 n77 : OB BW(MHz) / DFT-S OFDM							
BW	10MHz	15MHz	20MHz	25MHz	30MHz	40MHz	50MHz	60MHz
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK
Middle CH	8.58	12.91	17.89	22.86	26.80	36.14	45.72	58.05
BW	70MHz	80MHz	90MHz	100MHz				
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK				
Middle CH	64.28	77.08	86.72	96.15				

Mode	FR1 n77 : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.60	8.57	13.62	13.67	18.22	18.25	23.26	23.22
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.55	8.59	13.68	13.66	18.26	18.31	23.25	23.21
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	27.84	27.94	38.18	38.16	47.55	47.56	57.84	57.78
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	27.86	27.80	38.16	38.22	47.56	47.51	57.74	57.83
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	67.31	67.27	77.31	77.58	87.28	87.17	97.33	97.00
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	67.40	67.60	77.37	77.37	87.34	87.22	97.14	97.42



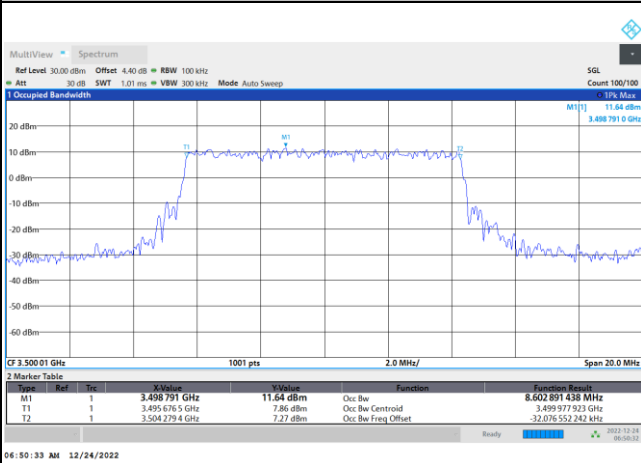
FR1 n77 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

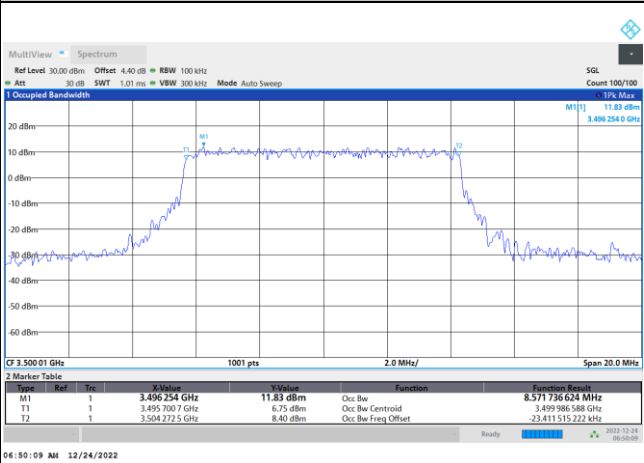


FR1 n77 / 10MHz / CP OFDM / Middle Channel / Full RB

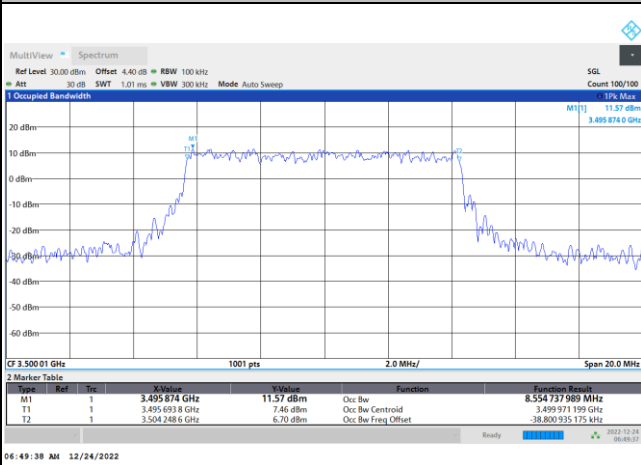
QPSK



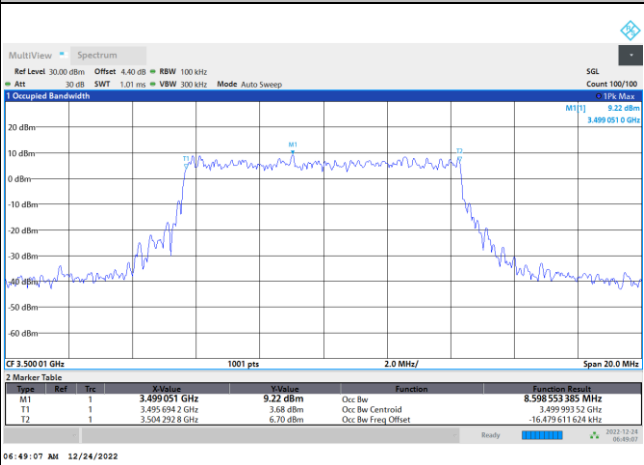
16QAM



64QAM



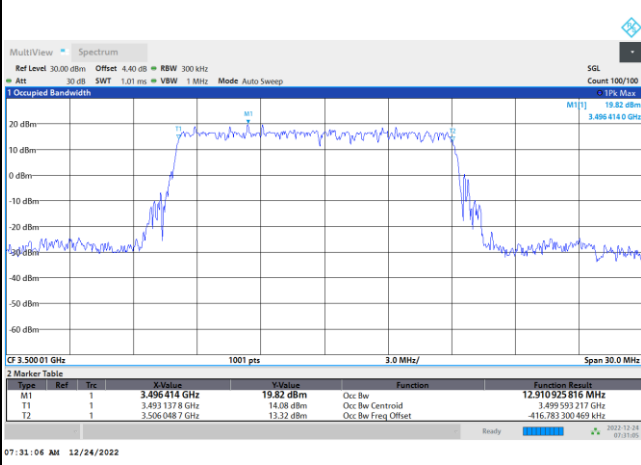
256QAM





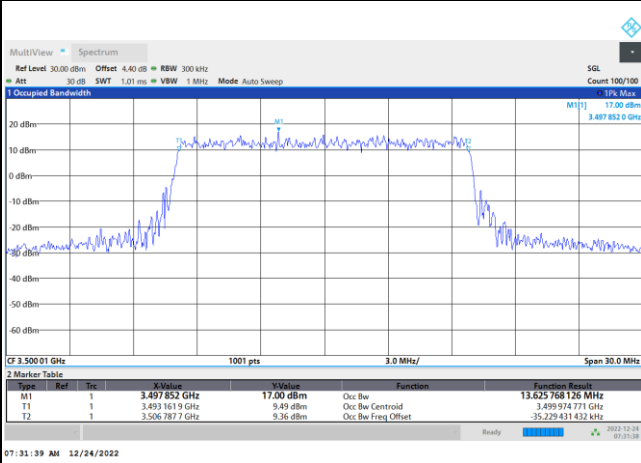
FR1 n77 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

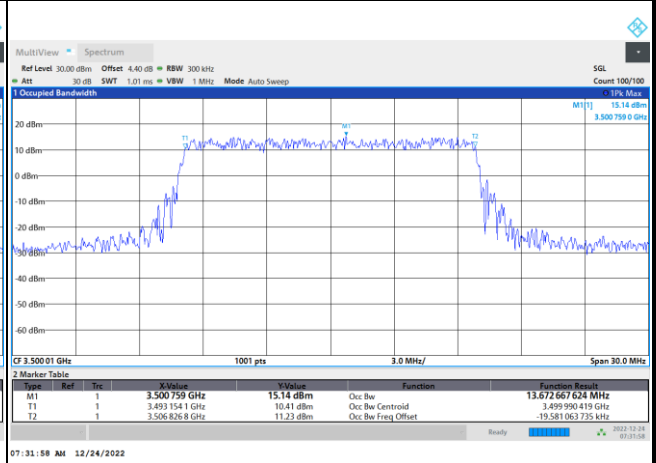


FR1 n77 / 15MHz / CP OFDM / Middle Channel / Full RB

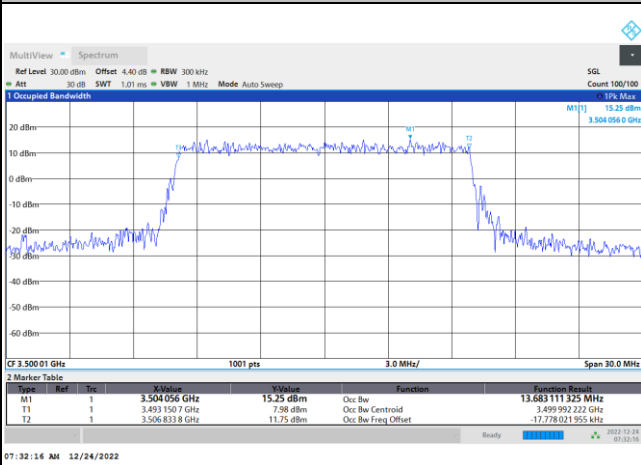
QPSK



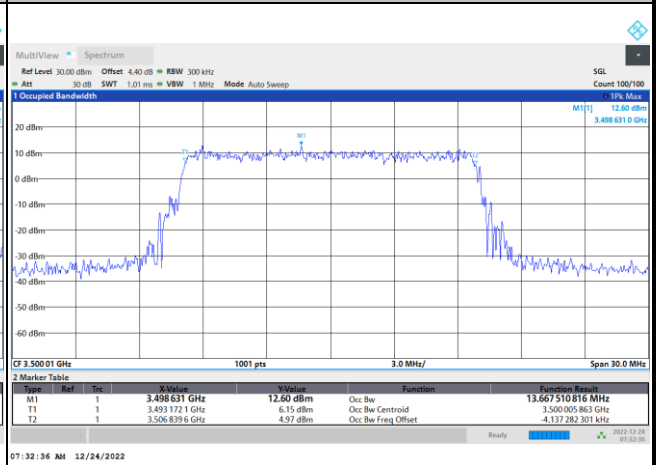
16QAM



64QAM



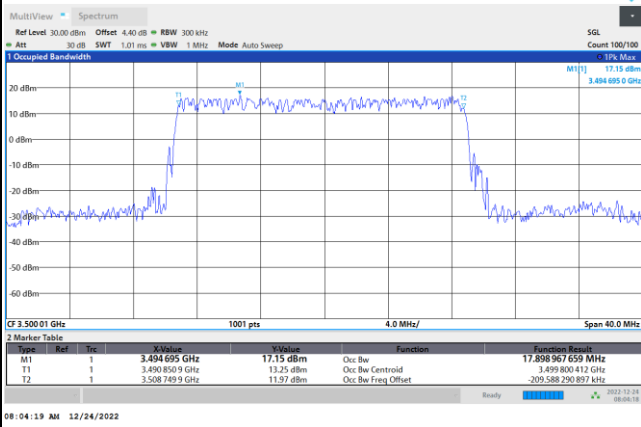
256QAM





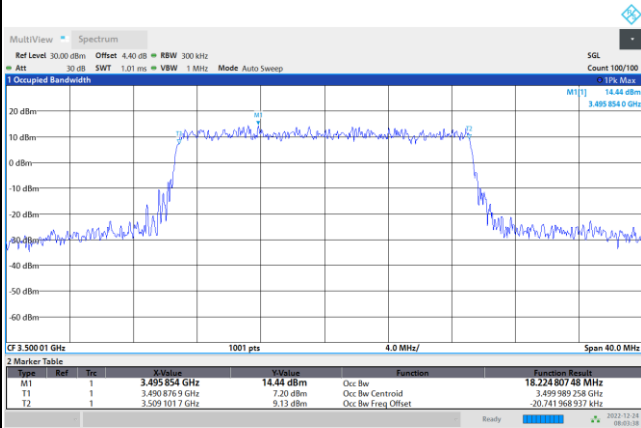
FR1 n77 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

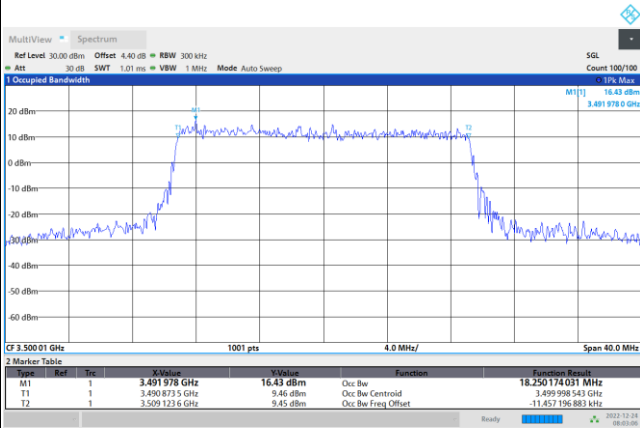


FR1 n77 / 20MHz / CP OFDM / Middle Channel / Full RB

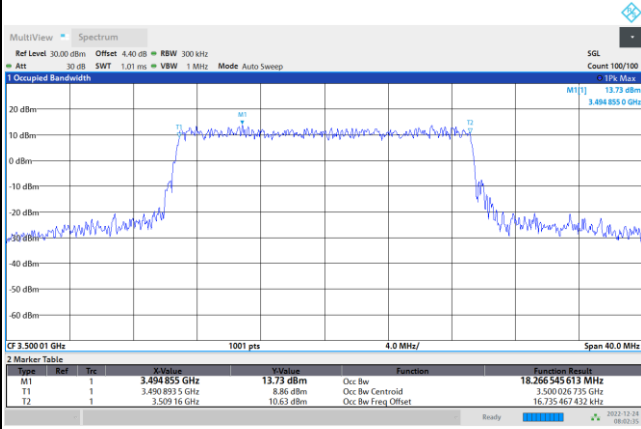
QPSK



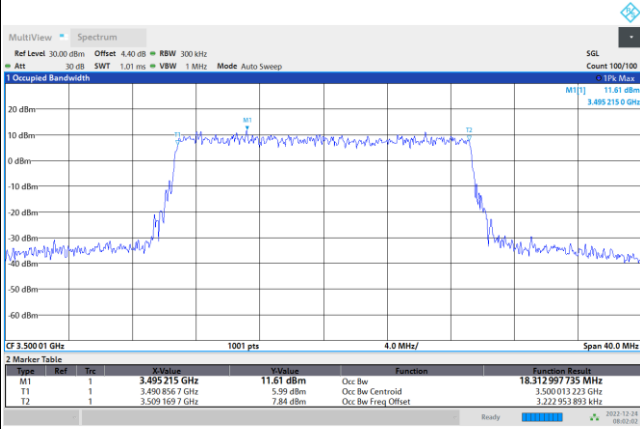
16QAM



64QAM



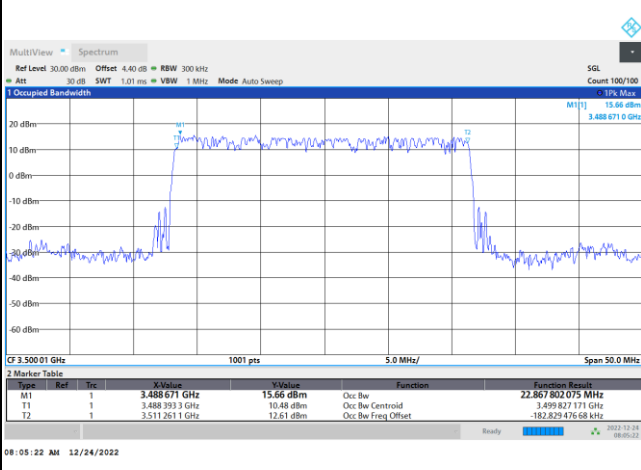
256QAM





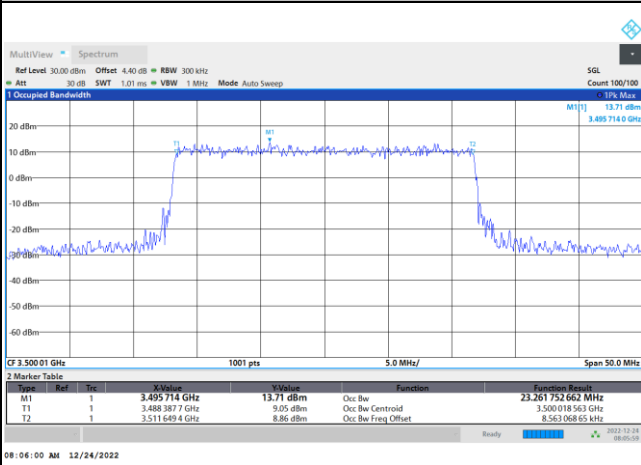
FR1 n77 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

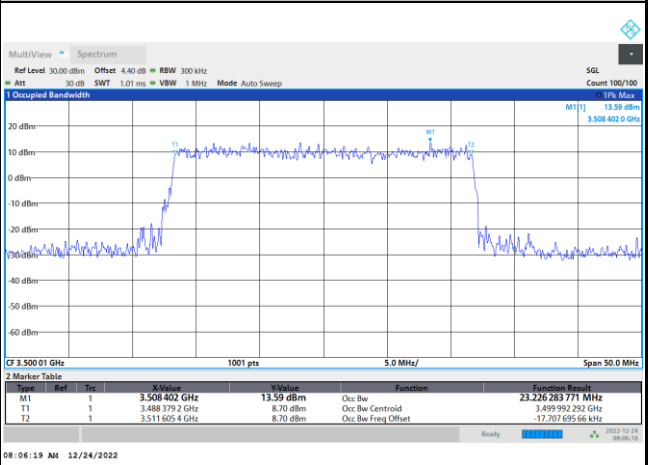


FR1 n77 / 25MHz / CP OFDM / Middle Channel / Full RB

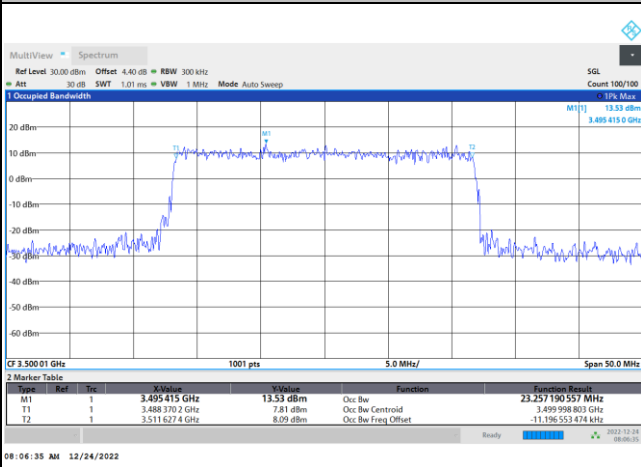
QPSK



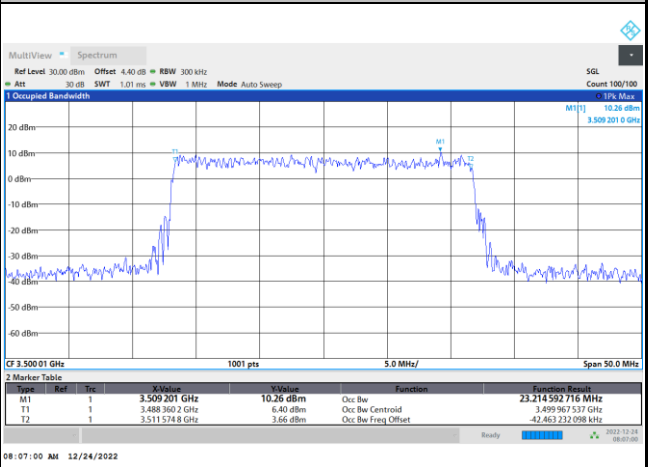
16QAM



64QAM



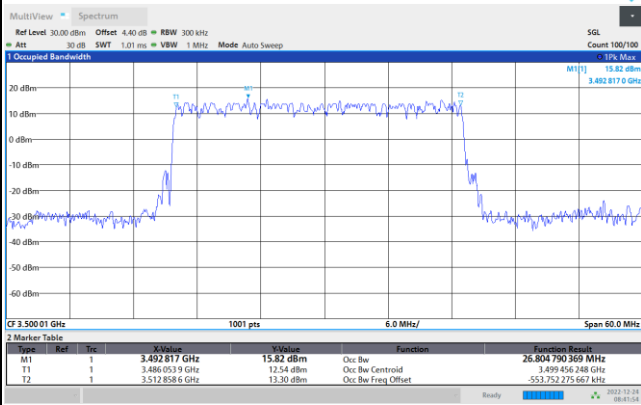
256QAM





FR1 n77 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

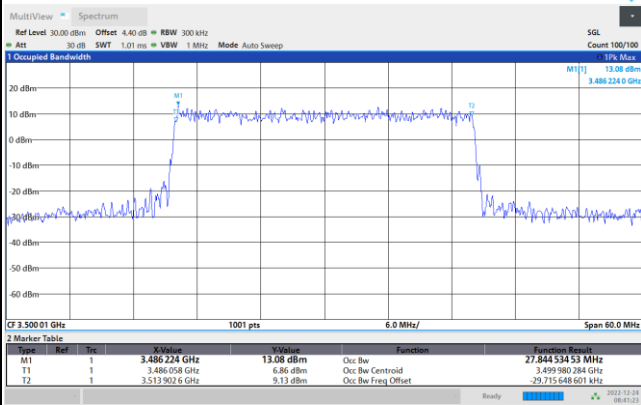
PI/2 BPSK



08:41:55 AM 12/24/2022

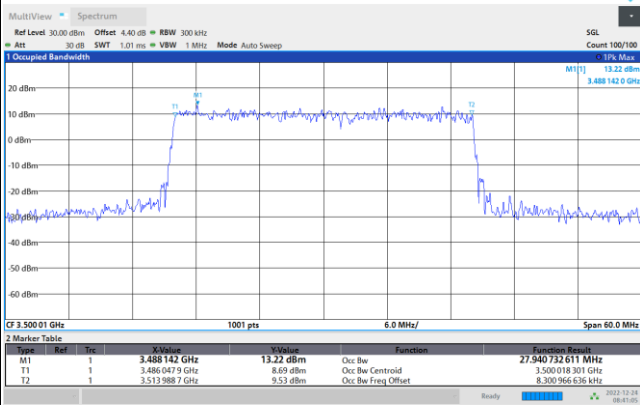
FR1 n77 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



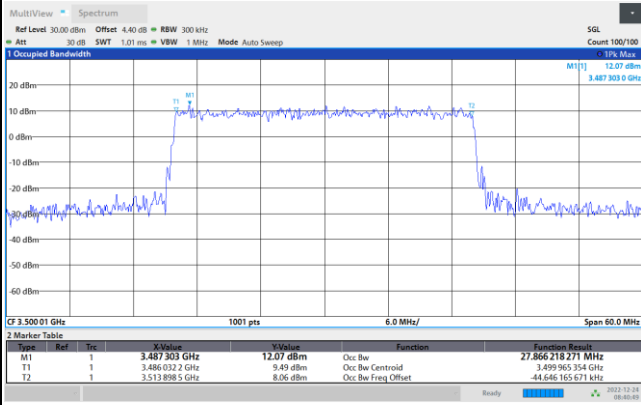
08:41:23 AM 12/24/2022

16QAM



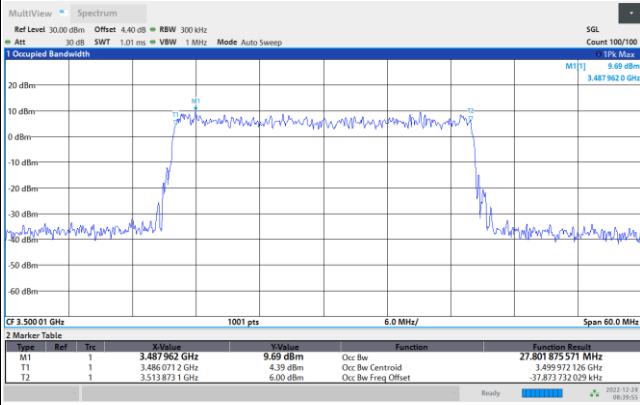
08:41:05 AM 12/24/2022

64QAM



08:40:49 AM 12/24/2022

256QAM

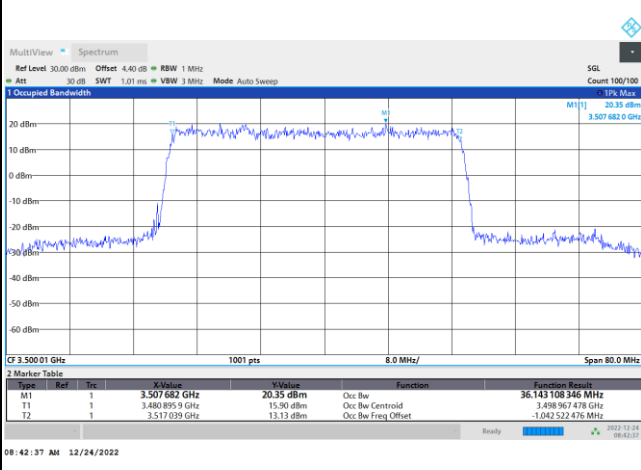


08:39:56 AM 12/24/2022



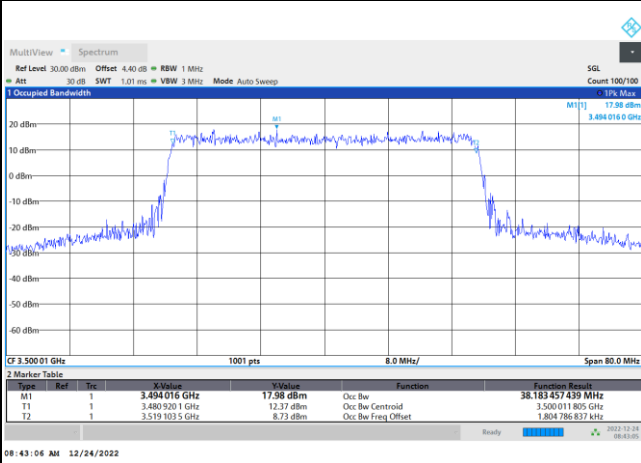
FR1 n77 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

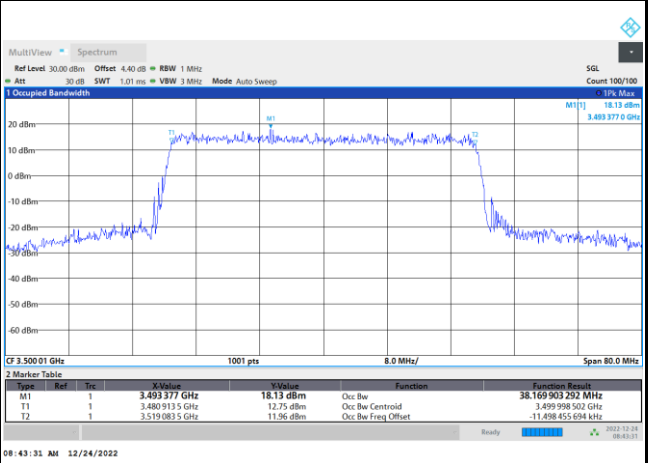


FR1 n77 / 40MHz / CP OFDM / Middle Channel / Full RB

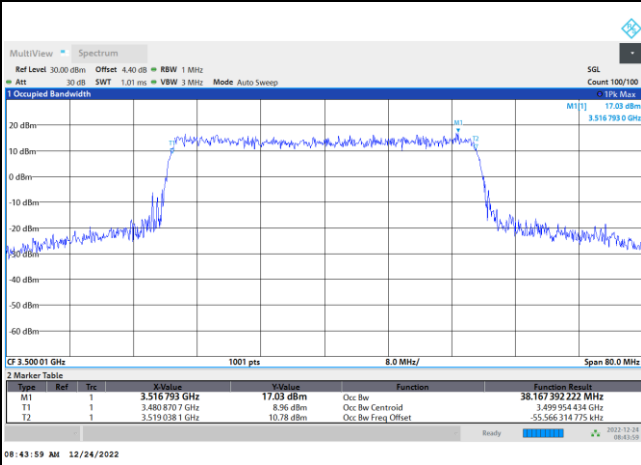
QPSK



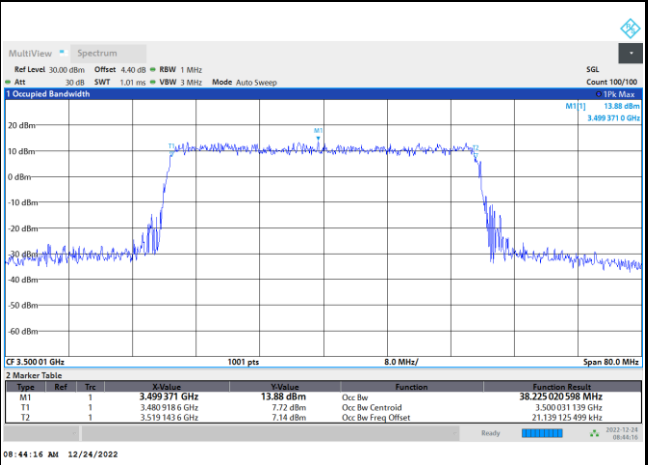
16QAM



64QAM



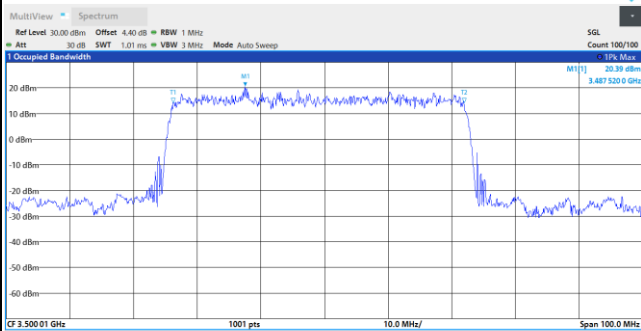
256QAM





FR1 n77 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

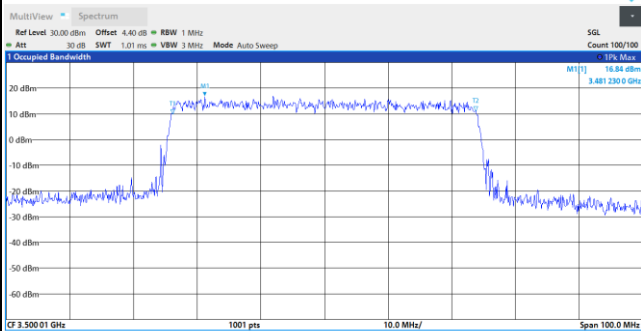


Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.48752 GHz	20.39 dBm	Occ Bw	45.728069191 MHz
T1	1		3.4762088 GHz	14.18 dBm	Occ Bw Centroid	3.499072822 GHz
T2	1		3.5219369 GHz	14.12 dBm	Occ Bw Freq Offset	-937.178201721 kHz

10:07:40 AM 12/24/2022

FR1 n77 / 50MHz / CP OFDM / Middle Channel / Full RB

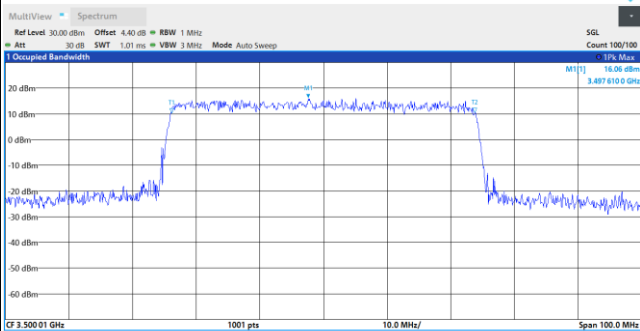
QPSK



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.48123 GHz	16.84 dBm	Occ Bw	47.556036977 MHz
T1	1		3.4761259 GHz	9.87 dBm	Occ Bw Centroid	3.499973918 GHz
T2	1		3.5237519 GHz	11.15 dBm	Occ Bw Freq Offset	-36.082377168 kHz

10:07:13 AM 12/24/2022

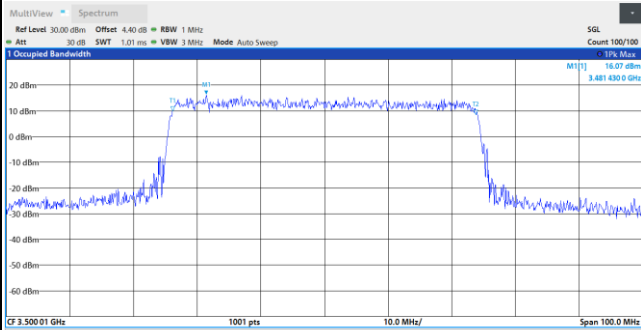
16QAM



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.48751 GHz	16.06 dBm	Occ Bw	47.5645123 MHz
T1	1		3.4761775 GHz	10.27 dBm	Occ Bw Centroid	3.499959771 GHz
T2	1		3.523742 GHz	10.46 dBm	Occ Bw Freq Offset	-50.290116663 kHz

10:06:58 AM 12/24/2022

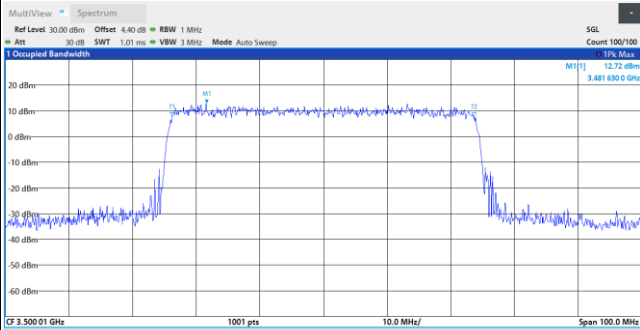
64QAM



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.48143 GHz	16.07 dBm	Occ Bw	47.564490588 MHz
T1	1		3.4761883 GHz	10.00 dBm	Occ Bw Centroid	3.499970559 GHz
T2	1		3.5237528 GHz	8.53 dBm	Occ Bw Freq Offset	-39.4405805 kHz

10:06:41 AM 12/24/2022

256QAM



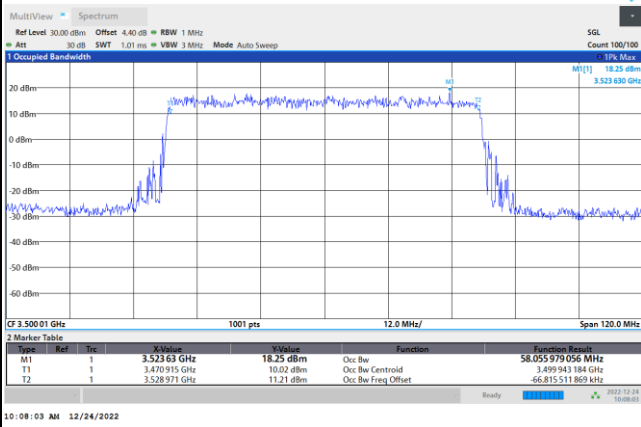
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.48163 GHz	12.72 dBm	Occ Bw	47.510697282 MHz
T1	1		3.47621 GHz	7.56 dBm	Occ Bw Centroid	3.499965338 GHz
T2	1		3.5237207 GHz	7.61 dBm	Occ Bw Freq Offset	-44.661870454 kHz

10:06:24 AM 12/24/2022



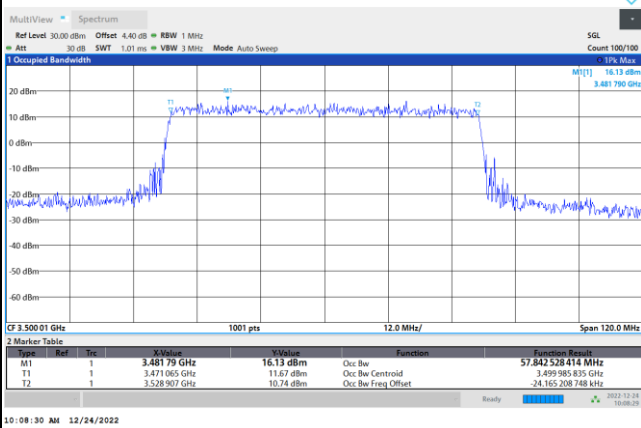
FR1 n77 / 60MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

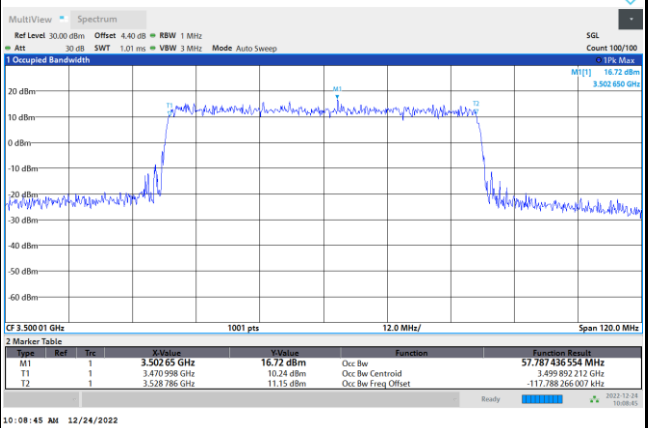


FR1 n77 / 60MHz / CP OFDM / Middle Channel / Full RB

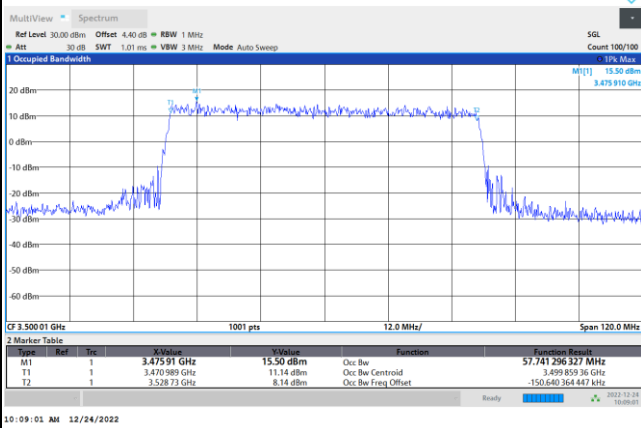
QPSK



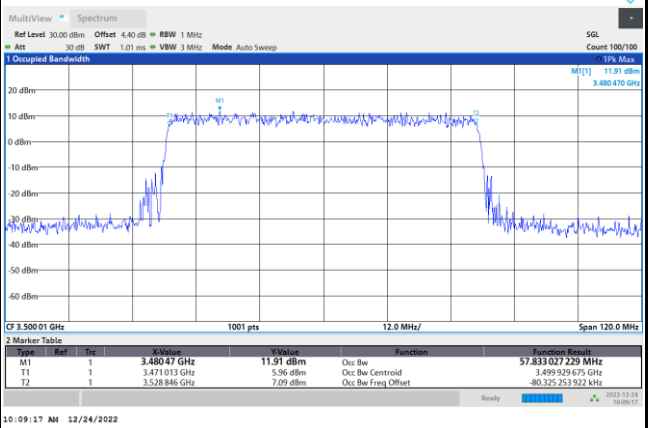
16QAM



64QAM



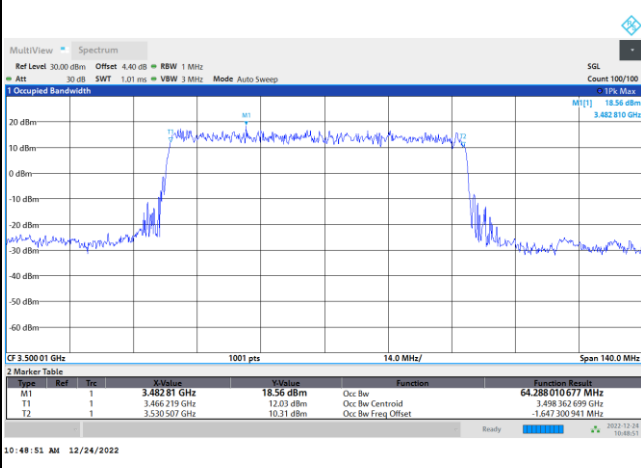
256QAM





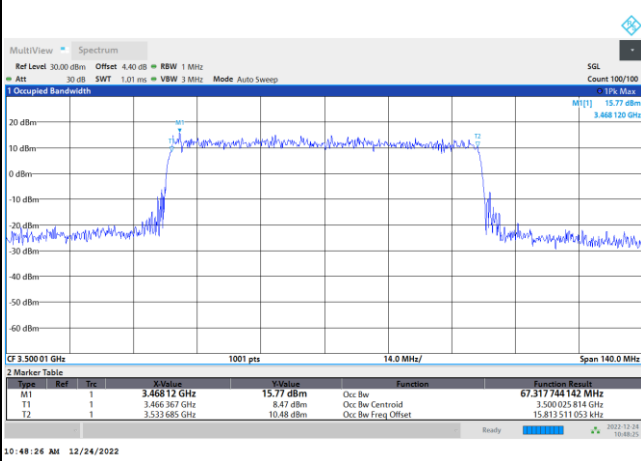
FR1 n77 / 70MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

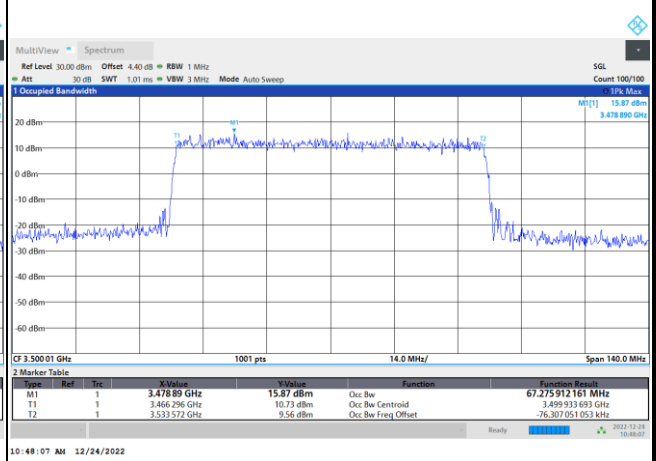


FR1 n77 / 70MHz / CP OFDM / Middle Channel / Full RB

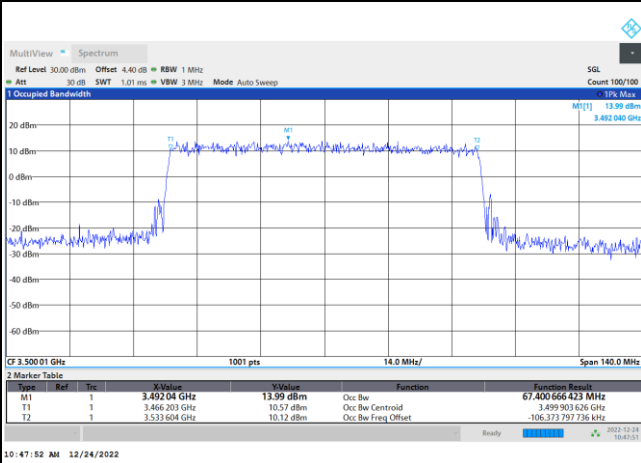
QPSK



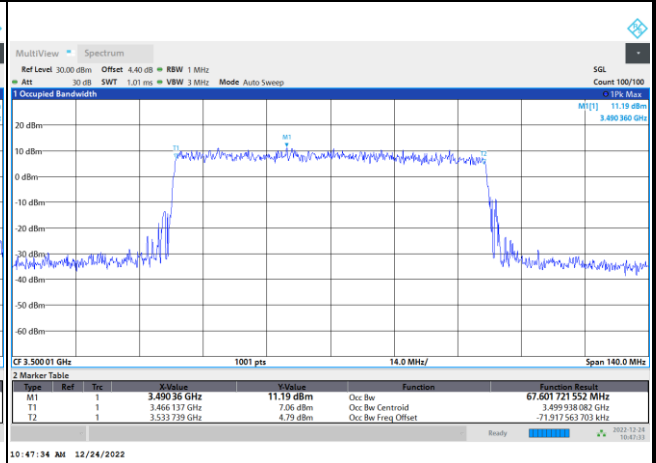
16QAM

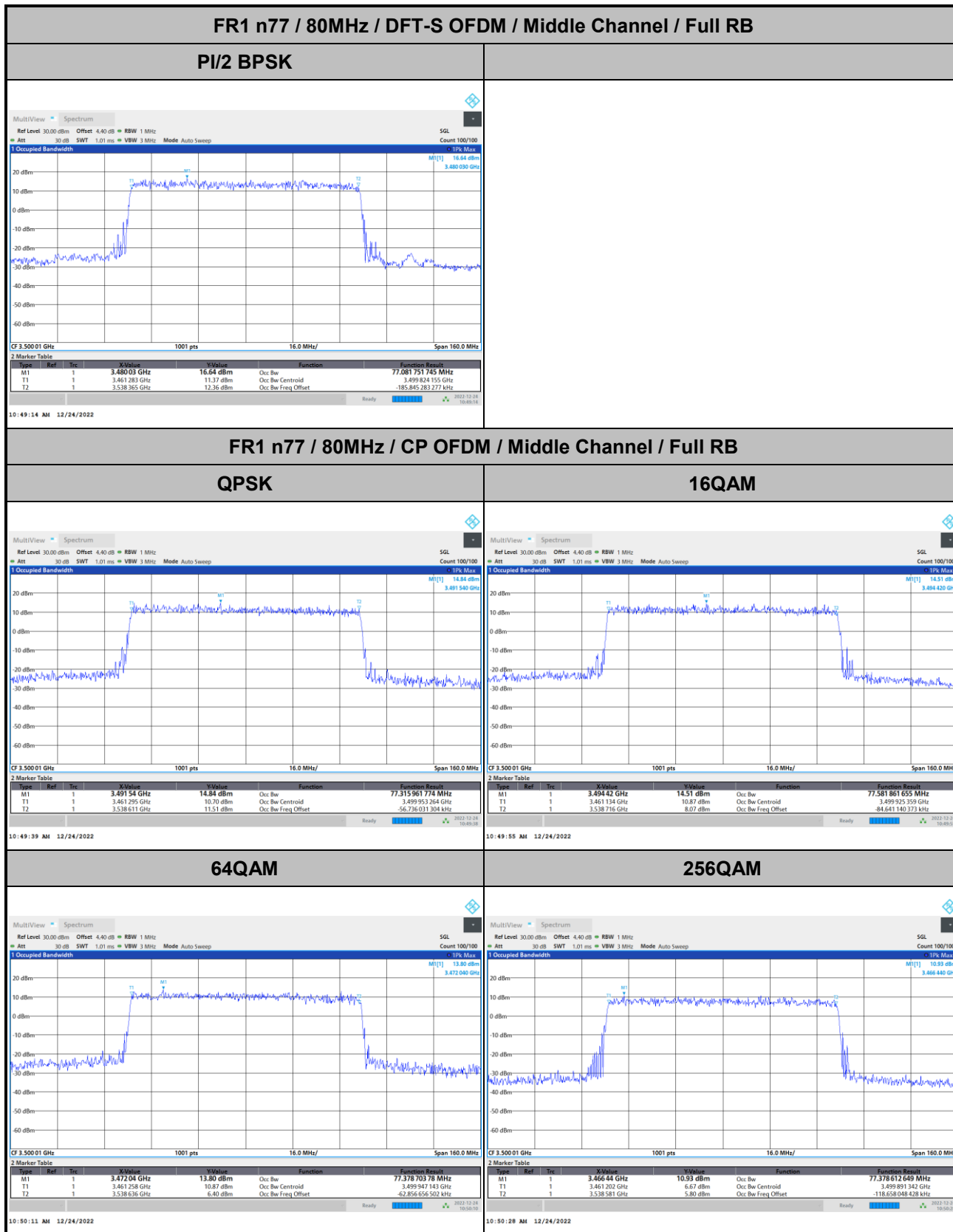


64QAM



256QAM

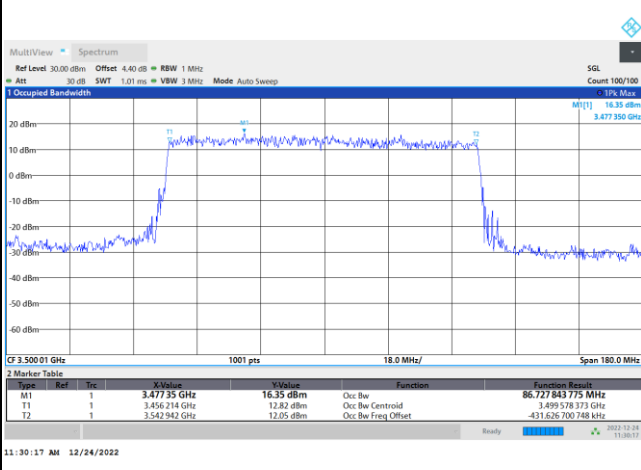






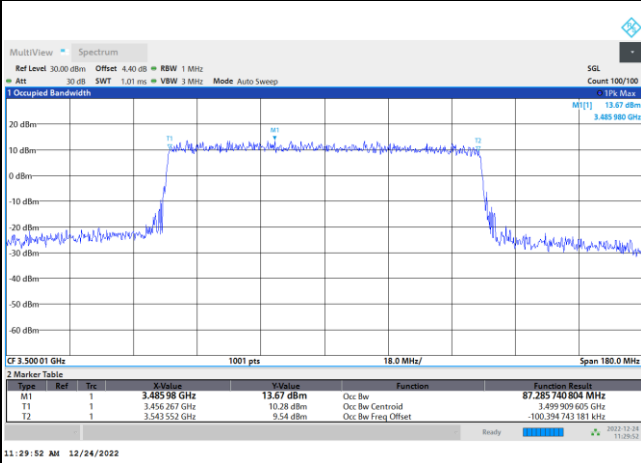
FR1 n77 / 90MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

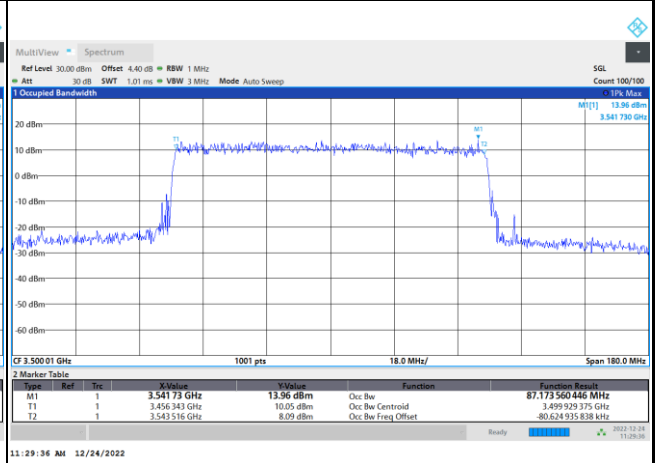


FR1 n77 / 90MHz / CP OFDM / Middle Channel / Full RB

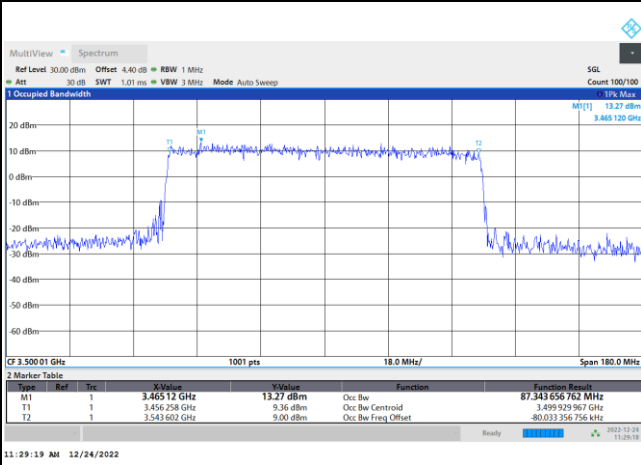
QPSK



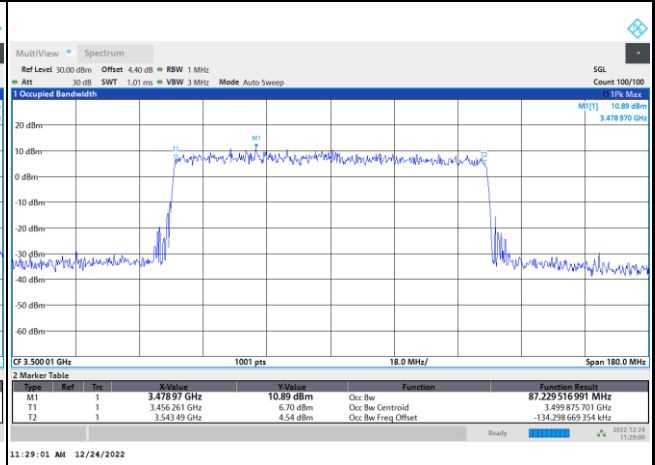
16QAM



64QAM



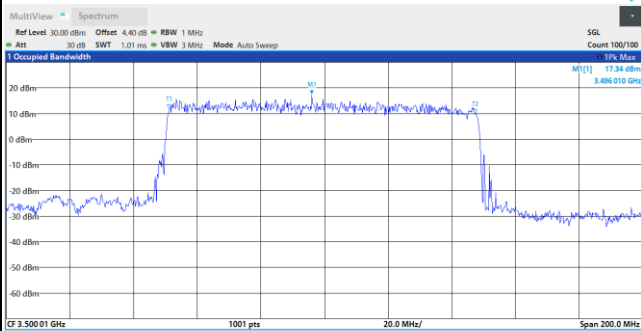
256QAM





FR1 n77 / 100MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

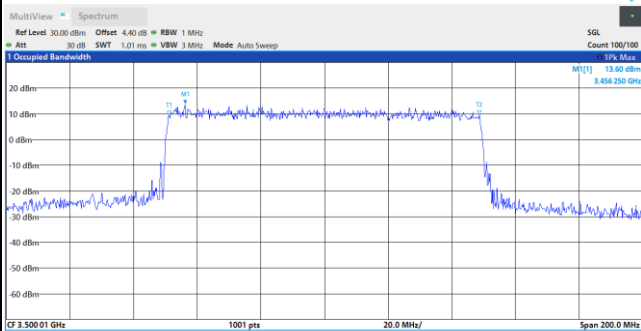


Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.49601 GHz	17.34 dBm	Occ Bw	96.157998677 MHz
T1	1		3.451275 GHz	11.76 dBm	Occ Bw Centroid	3.499354168 GHz
T2	1		3.547433 GHz	9.70 dBm	Occ Bw Freq Offset	-65.832229071 kHz

11:30:43 AM 12/24/2022

FR1 n77 / 100MHz / CP OFDM / Middle Channel / Full RB

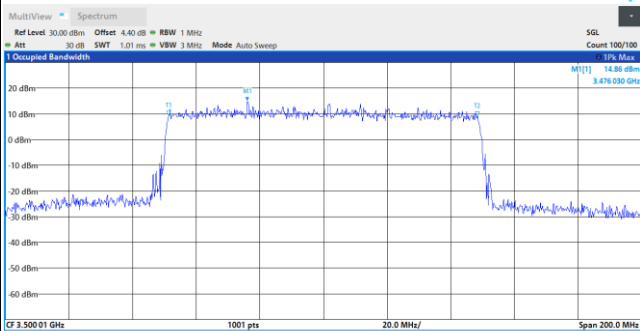
QPSK



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.49601 GHz	13.60 dBm	Occ Bw	97.339615916 MHz
T1	1		3.451221 GHz	9.61 dBm	Occ Bw Centroid	3.4998913 GHz
T2	1		3.548561 GHz	9.61 dBm	Occ Bw Freq Offset	-118.699860855 kHz

11:31:22 AM 12/24/2022

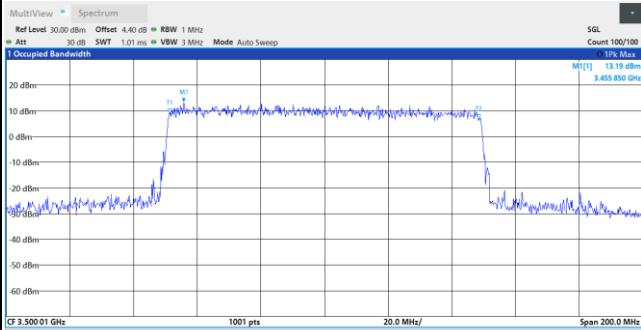
16QAM



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.47603 GHz	14.86 dBm	Occ Bw	97.005431952 MHz
T1	1		3.451383 GHz	9.20 dBm	Occ Bw Centroid	3.499585474 GHz
T2	1		3.548388 GHz	9.20 dBm	Occ Bw Freq Offset	-124.52606758 kHz

11:31:37 AM 12/24/2022

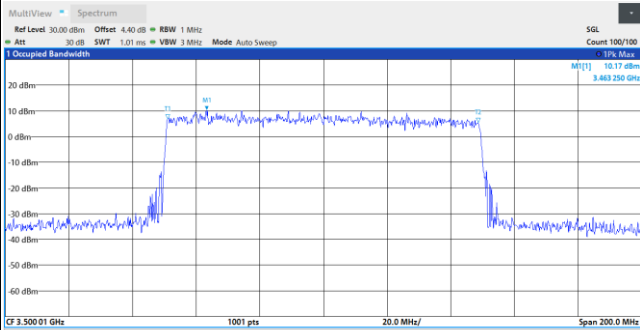
64QAM



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.45585 GHz	13.19 dBm	Occ Bw	97.142144714 MHz
T1	1		3.451351 GHz	9.05 dBm	Occ Bw Centroid	3.499921643 GHz
T2	1		3.548493 GHz	6.78 dBm	Occ Bw Freq Offset	-88.356599221 kHz

11:31:53 AM 12/24/2022

256QAM



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		3.46325 GHz	10.17 dBm	Occ Bw	97.423317186 MHz
T1	1		3.451136 GHz	6.76 dBm	Occ Bw Centroid	3.499847566 GHz
T2	1		3.548559 GHz	5.51 dBm	Occ Bw Freq Offset	-162.434253897 kHz

11:32:09 AM 12/24/2022

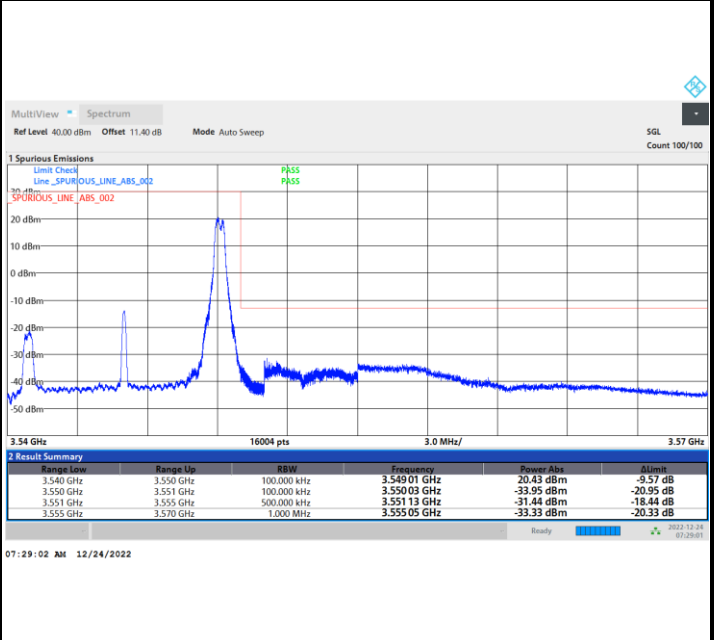
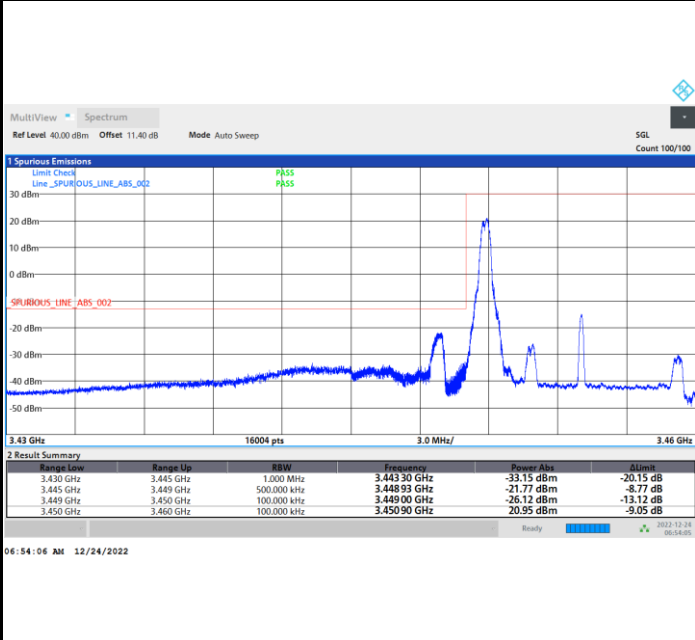


Conducted Band Edge

FR1 n77 / 10MHz / DFT-S OFDM / PI/2 BPSK

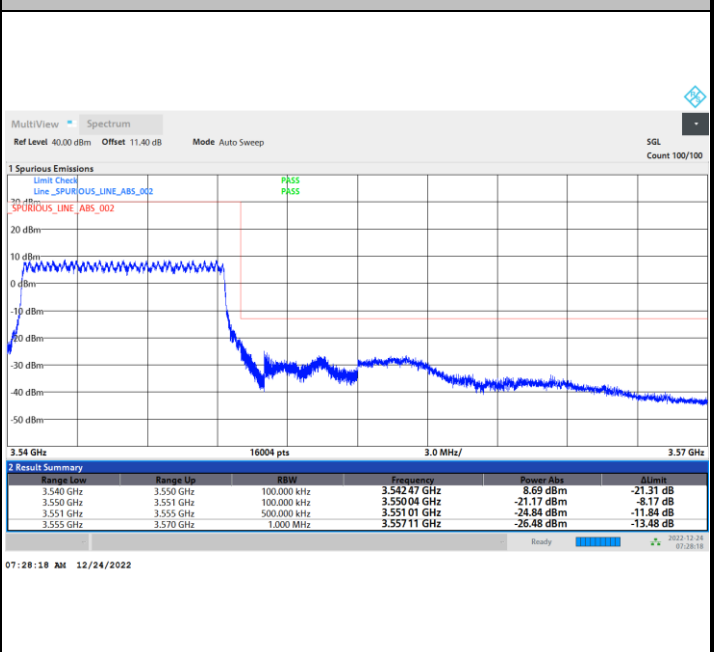
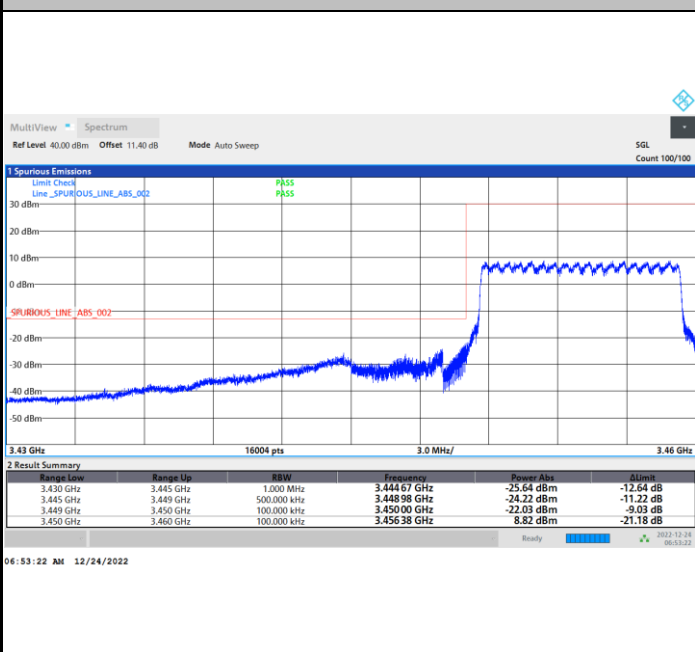
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

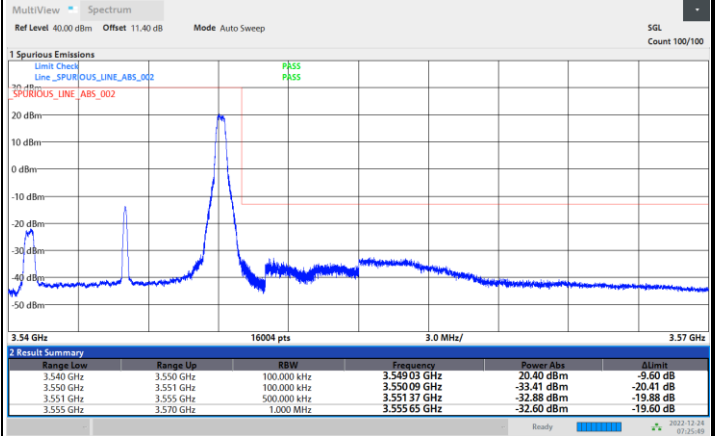
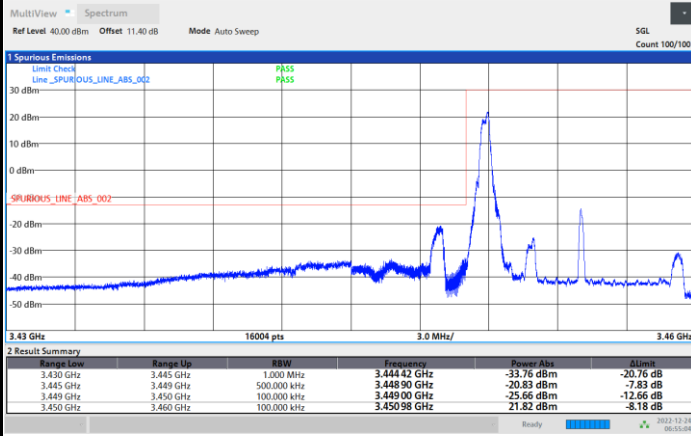




FR1 n77 / 10MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

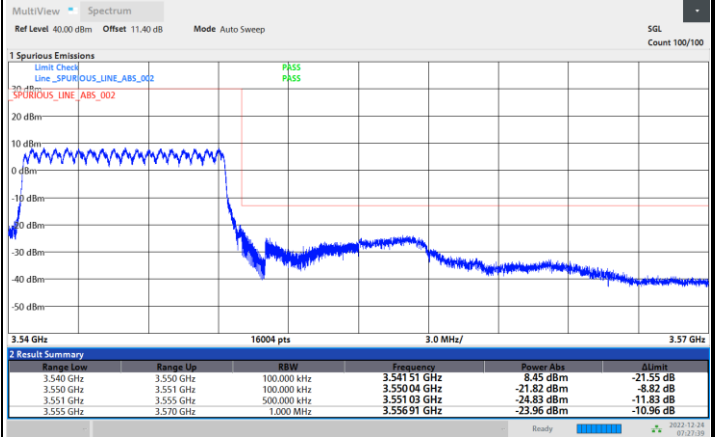
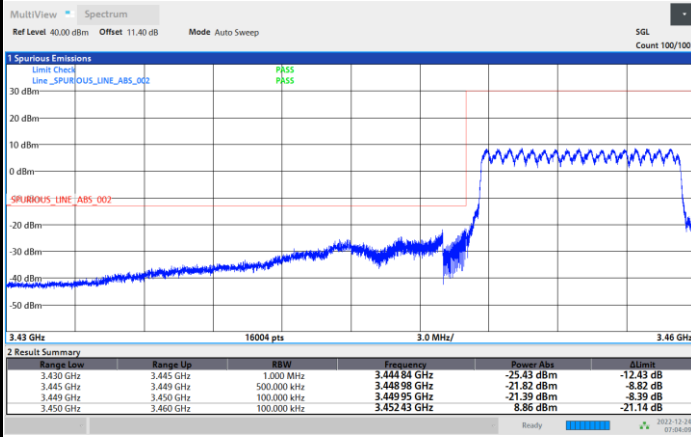


06:55:05 AM 12/24/2022

07:25:50 AM 12/24/2022

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



07:04:09 AM 12/24/2022

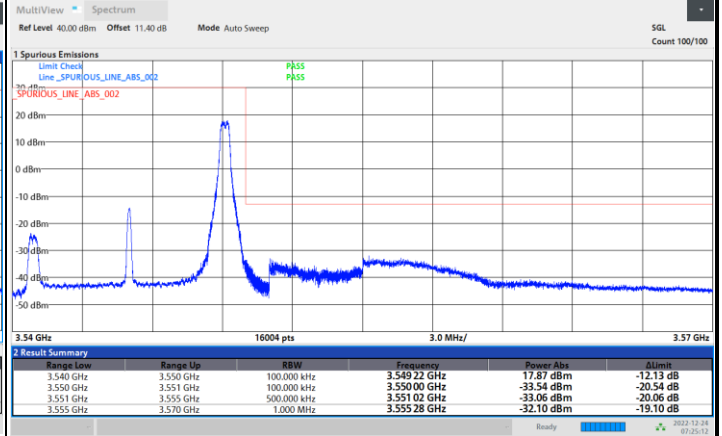
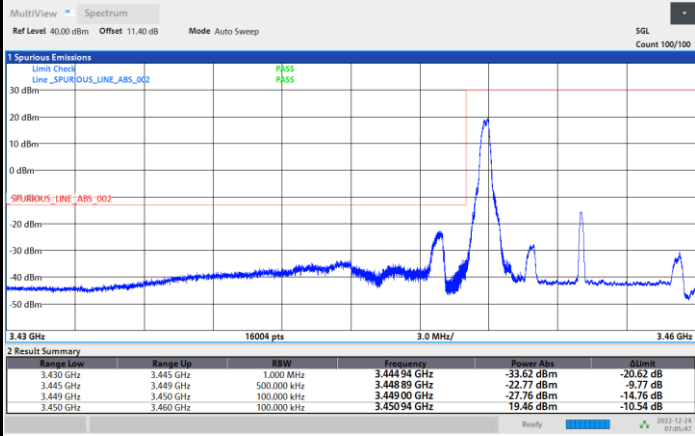
07:27:40 AM 12/24/2022



FR1 n77 / 10MHz / DFT-S OFDM / 16QAM

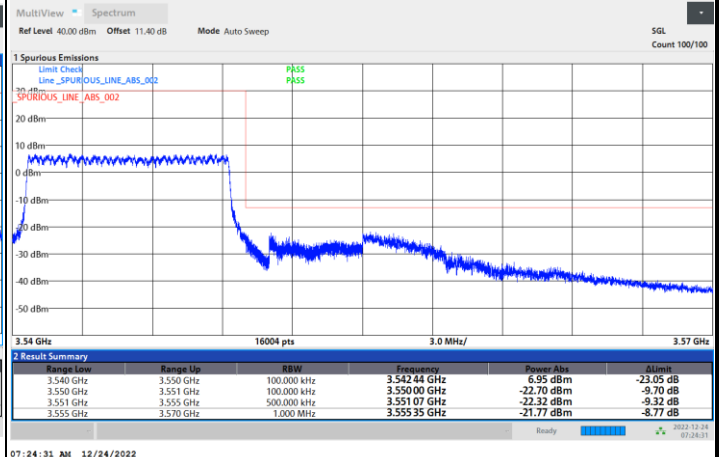
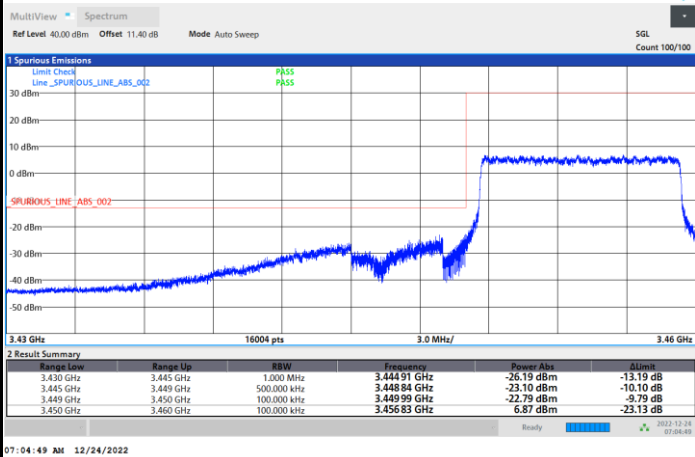
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

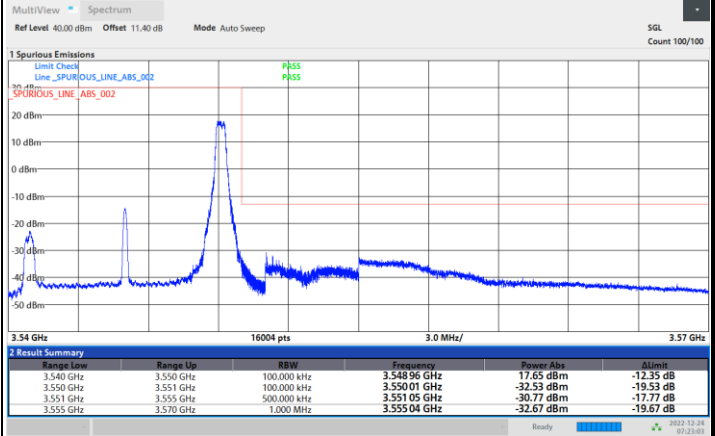
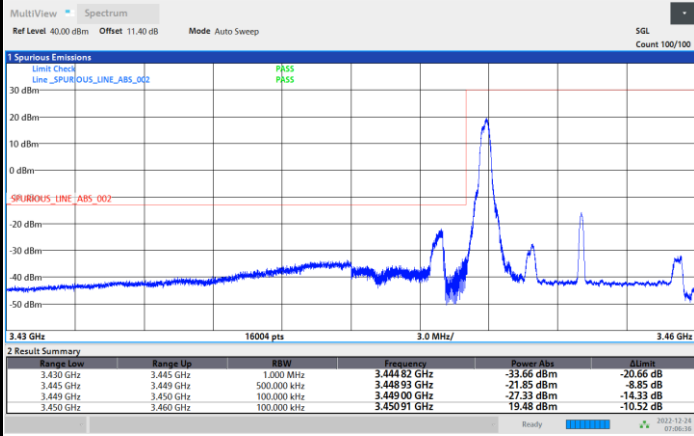




FR1 n77 / 10MHz / DFT-S OFDM / 64QAM

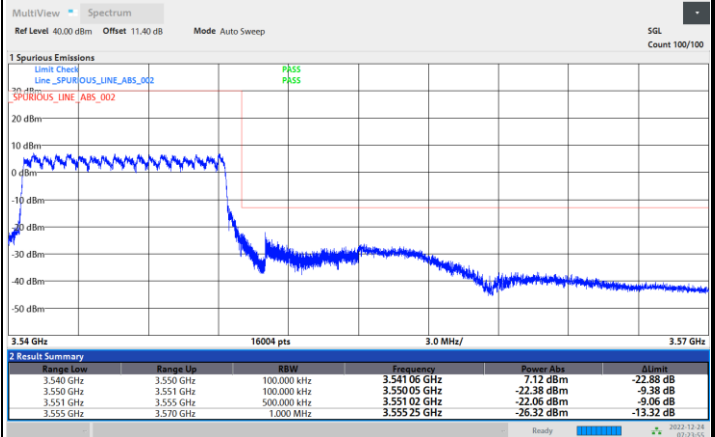
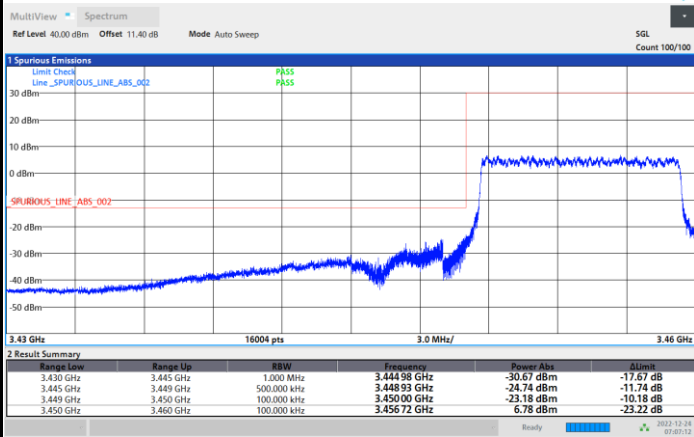
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

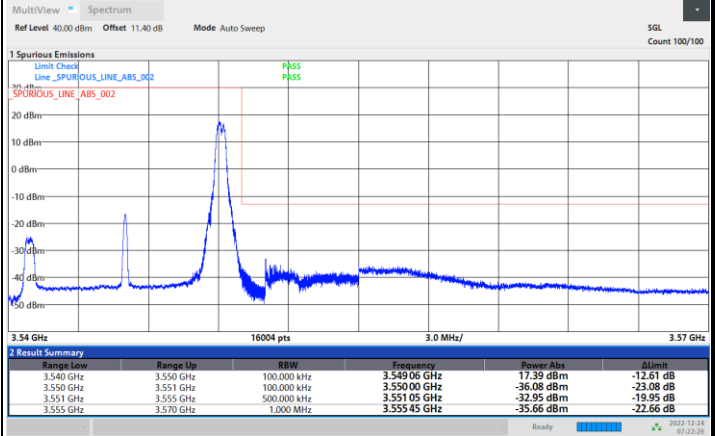
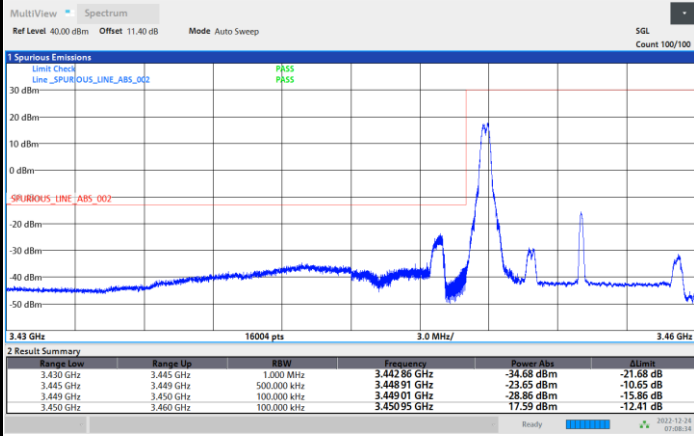




FR1 n77 / 10MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

