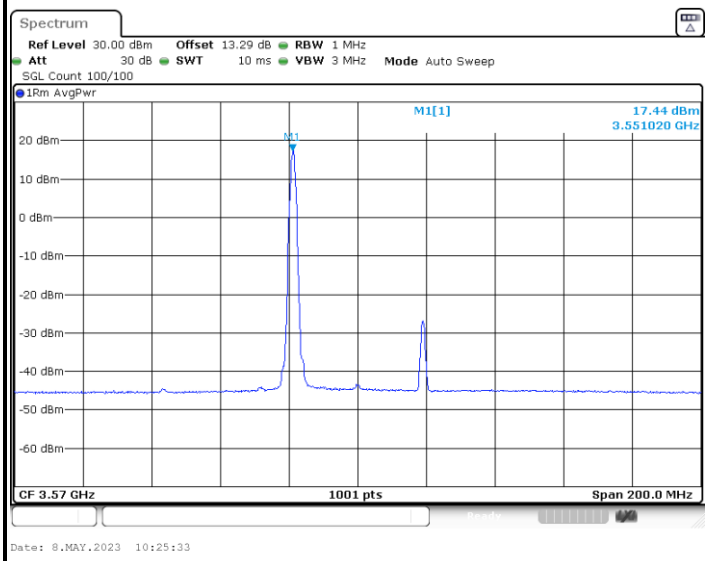
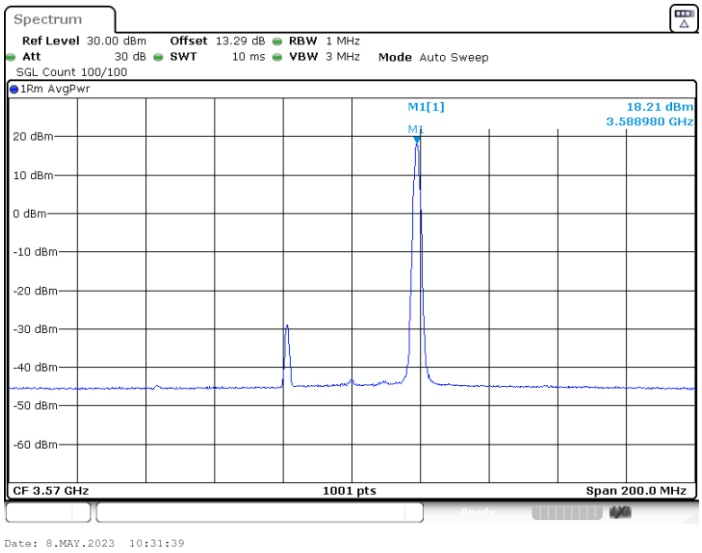
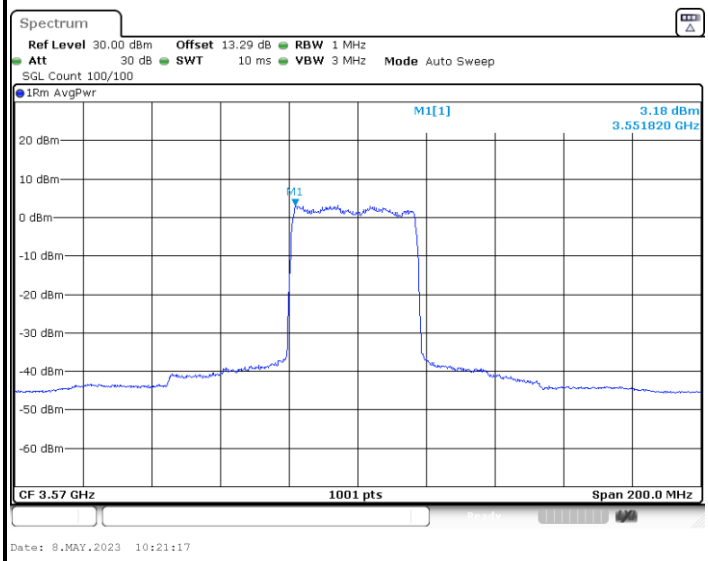
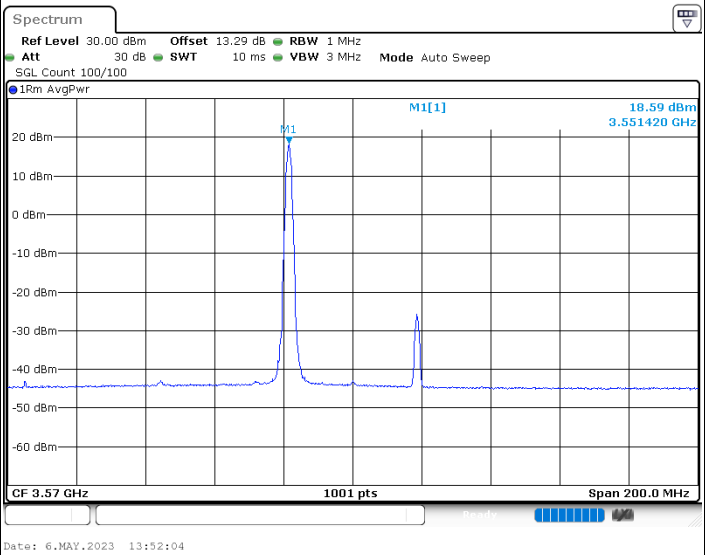
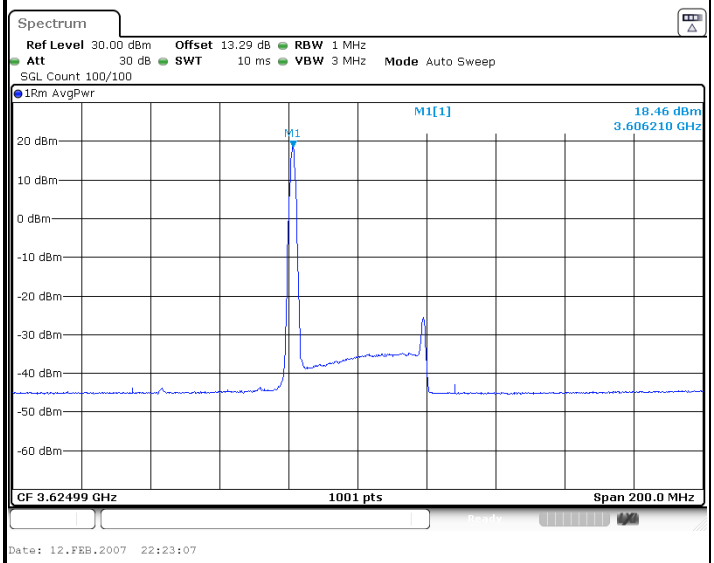
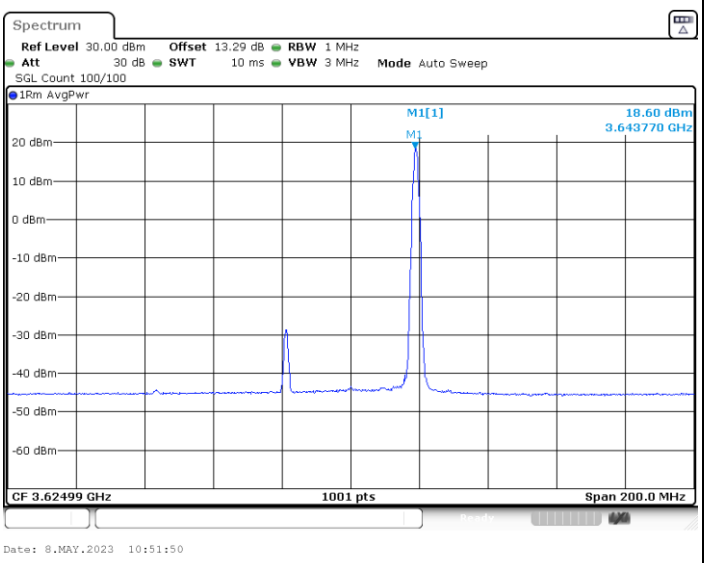
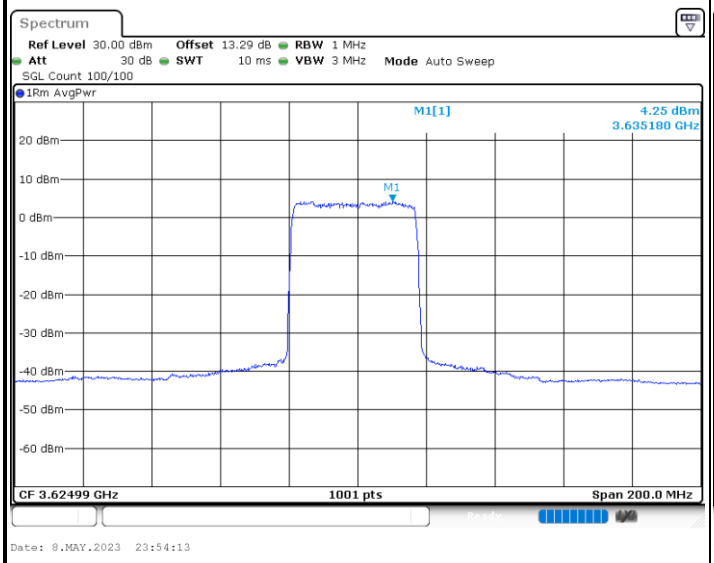
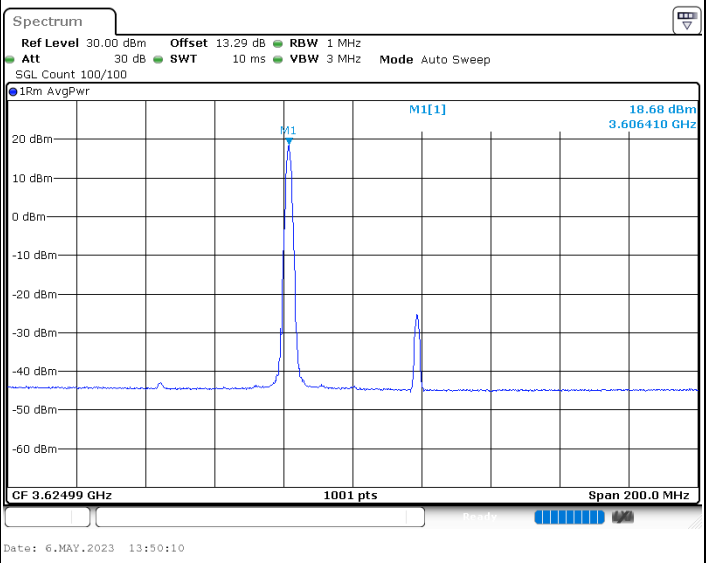
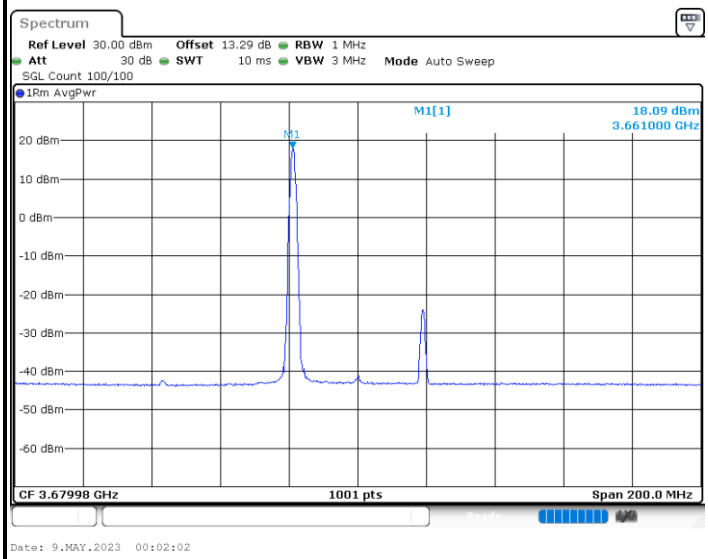
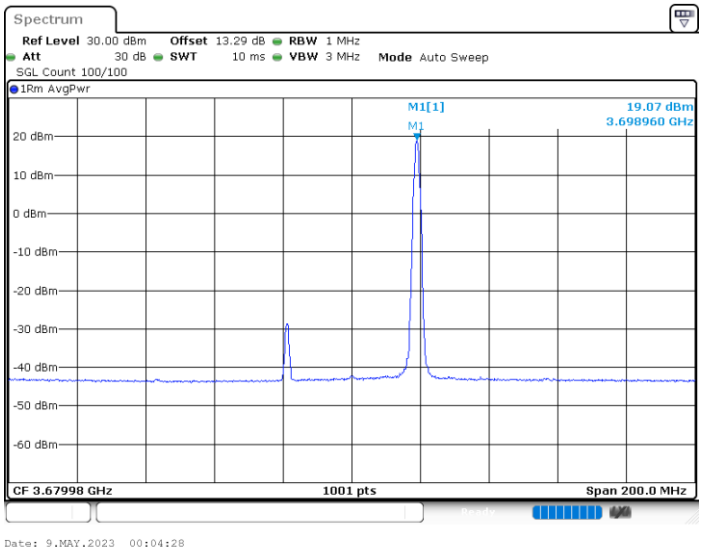
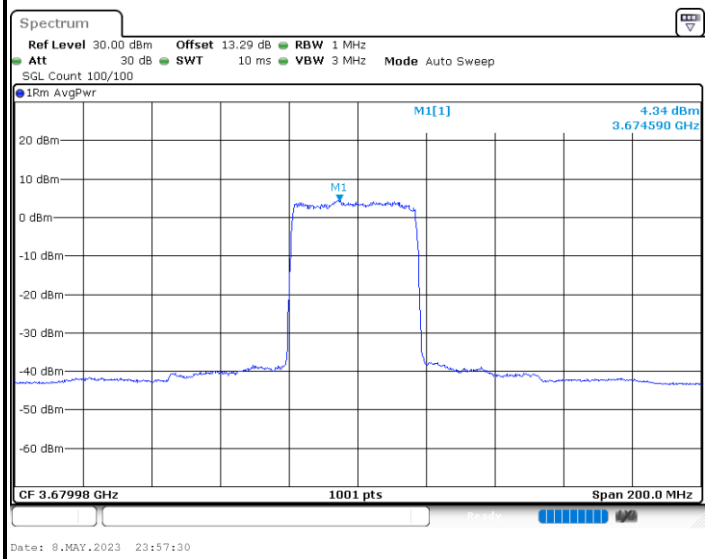
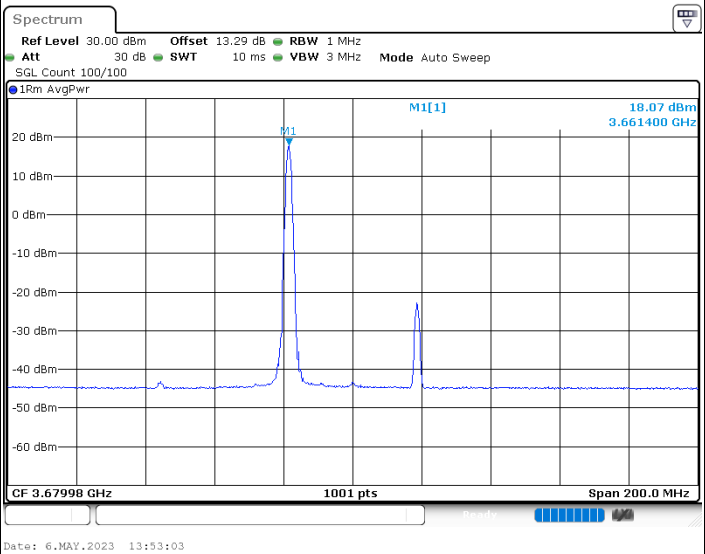
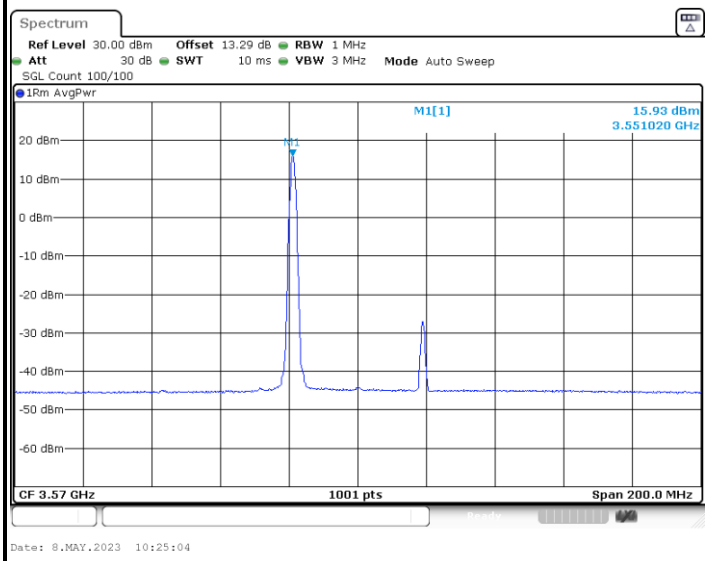
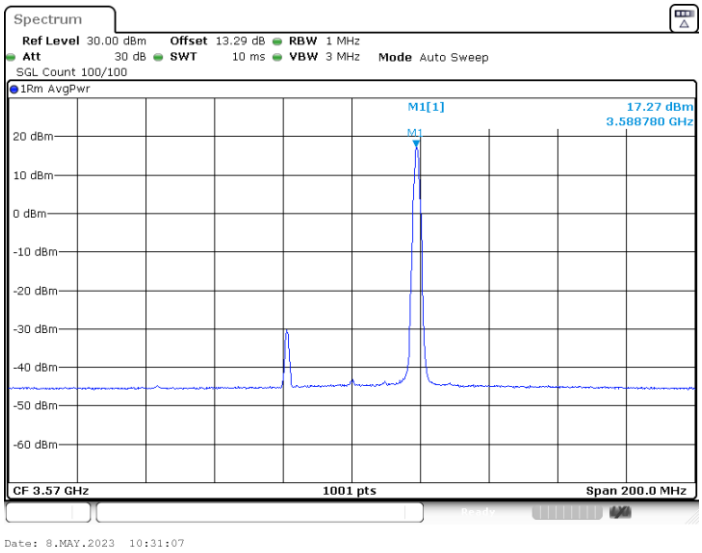
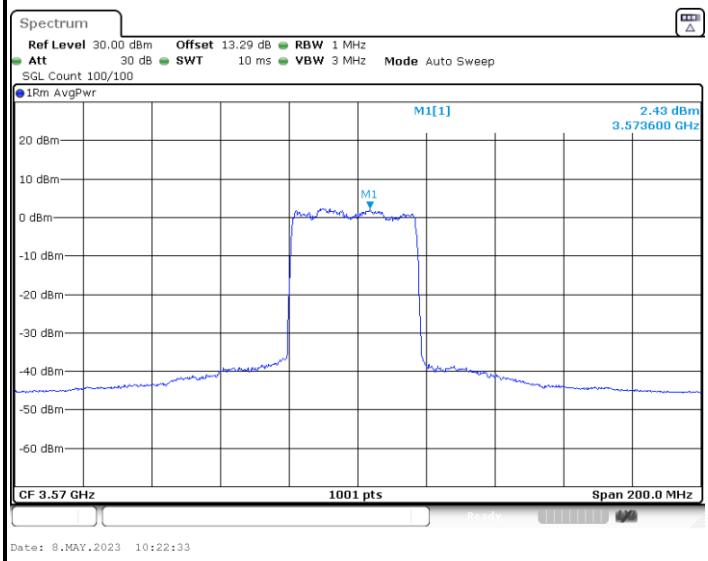
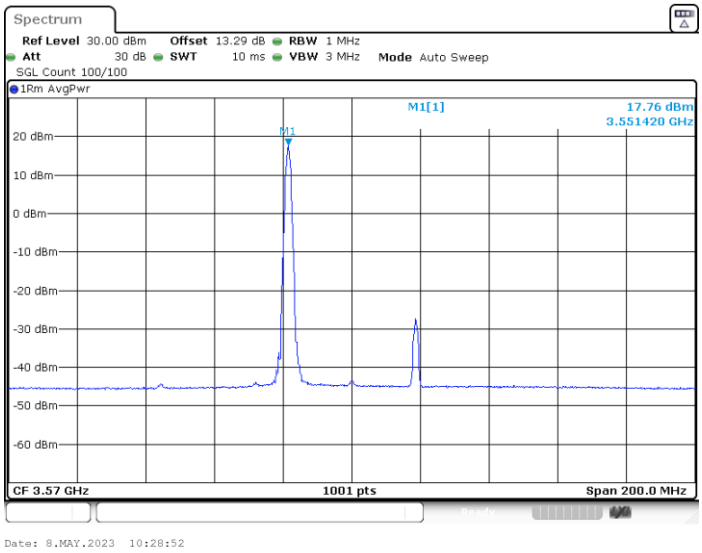
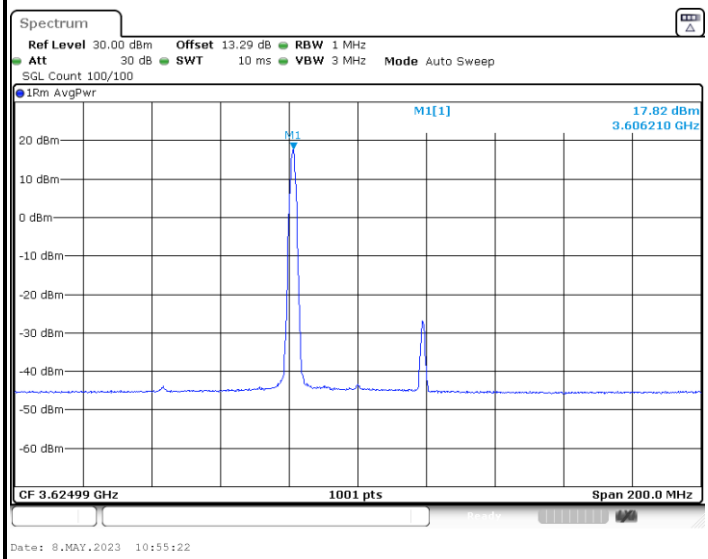
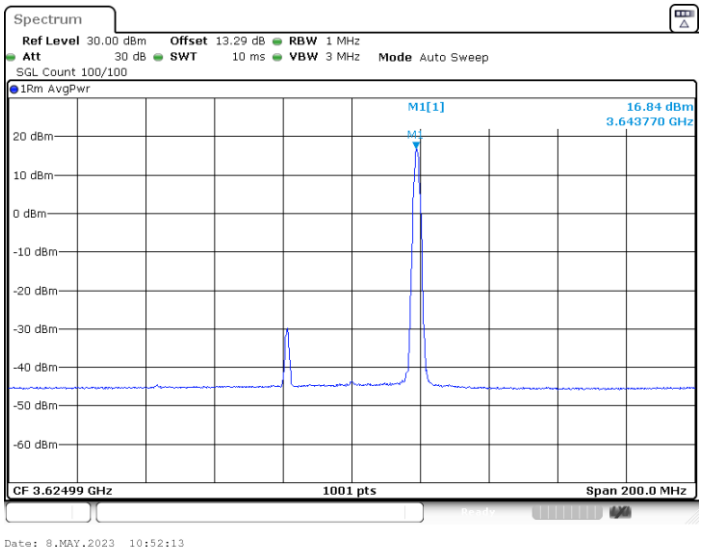
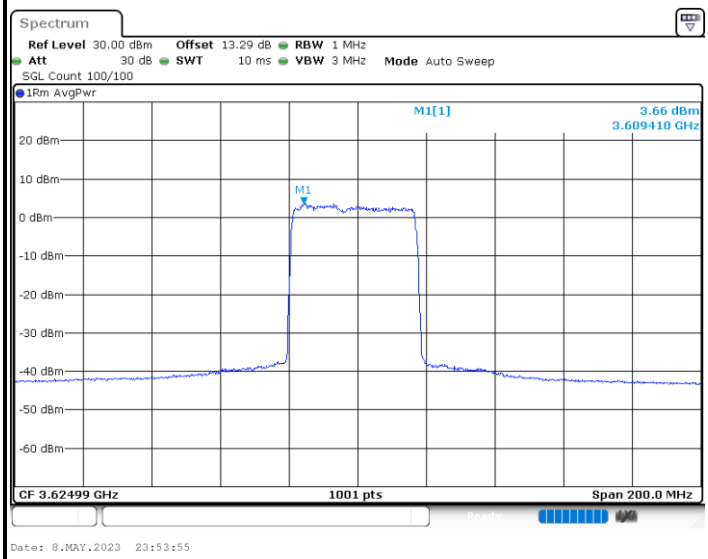
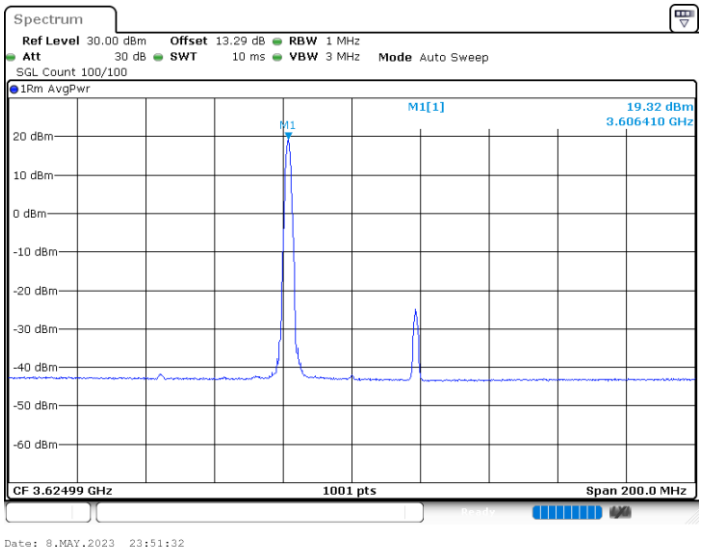
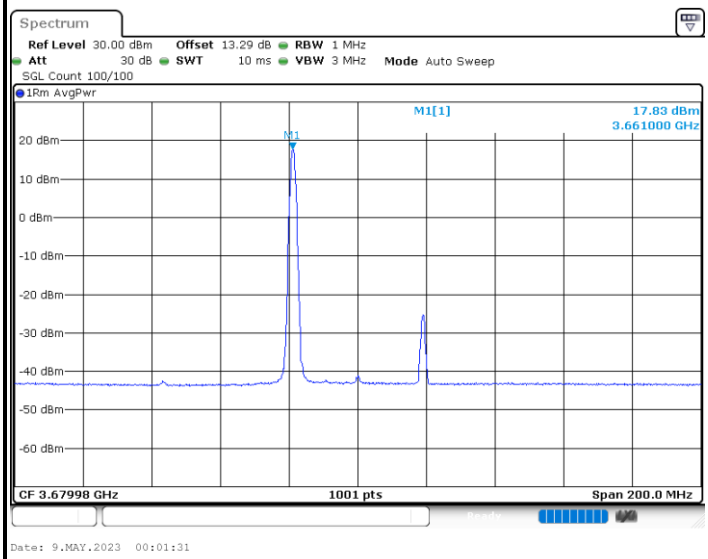
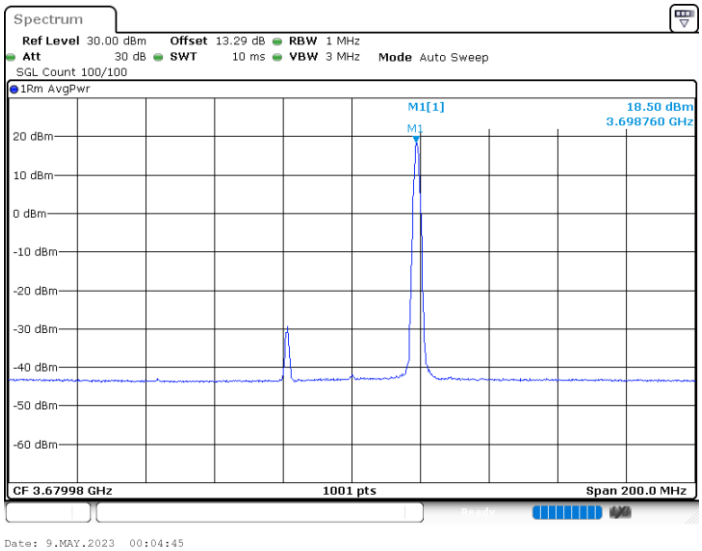
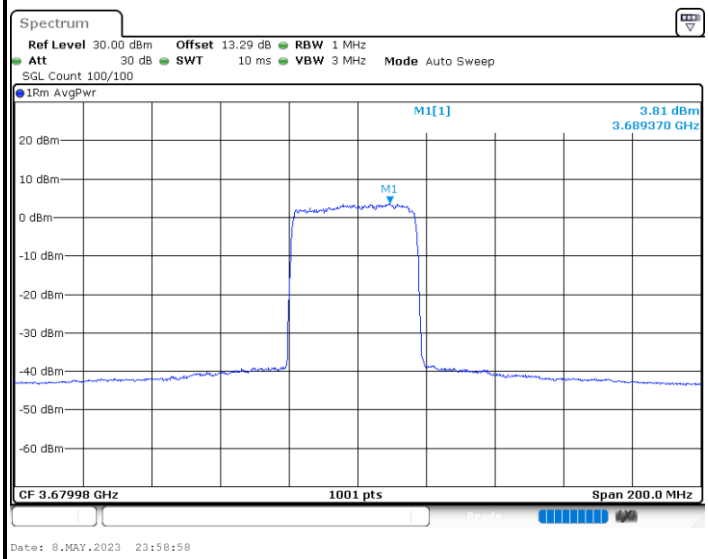
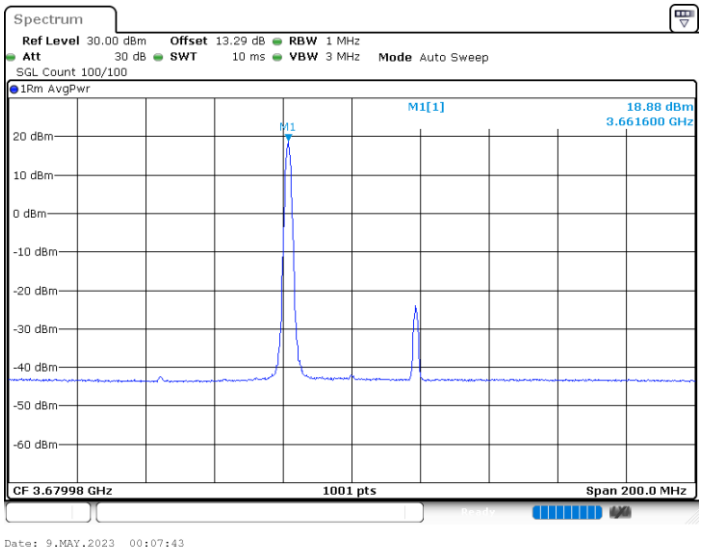
FR1 Part 96 n48 / 40MHz	
QPSK	
Lowest Channel / 1RB0	Lowest Channel / 1RBmax
	
Lowest Channel / FullRB	Lowest Channel / 1RB1
	

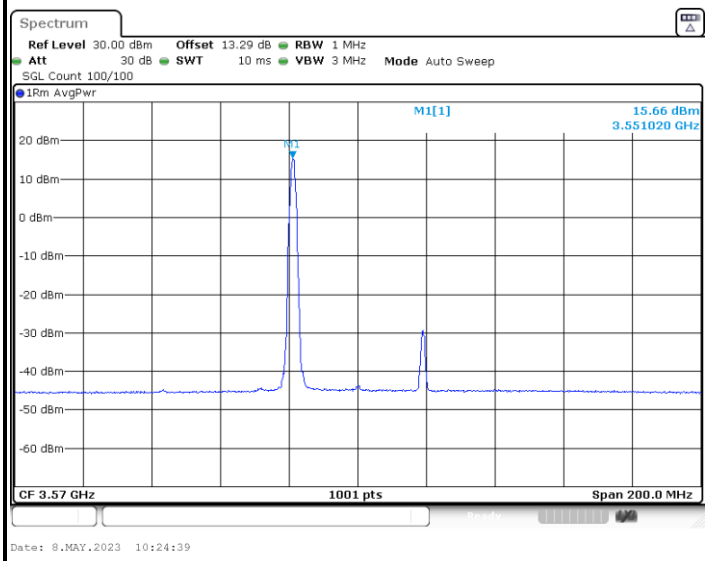
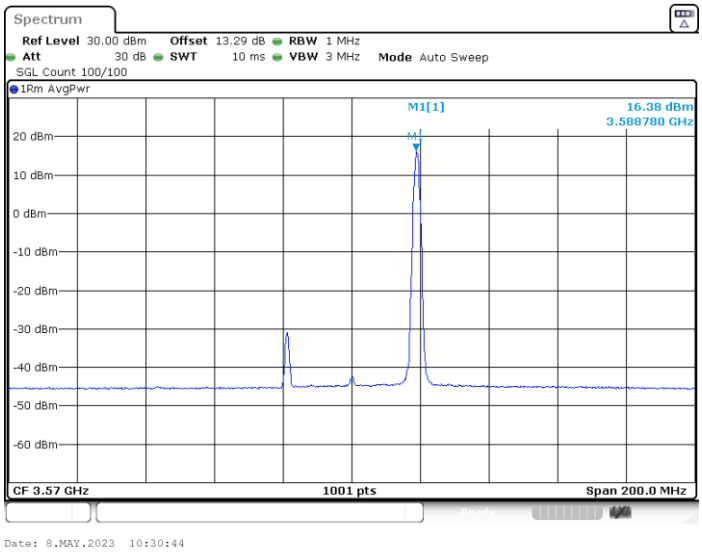
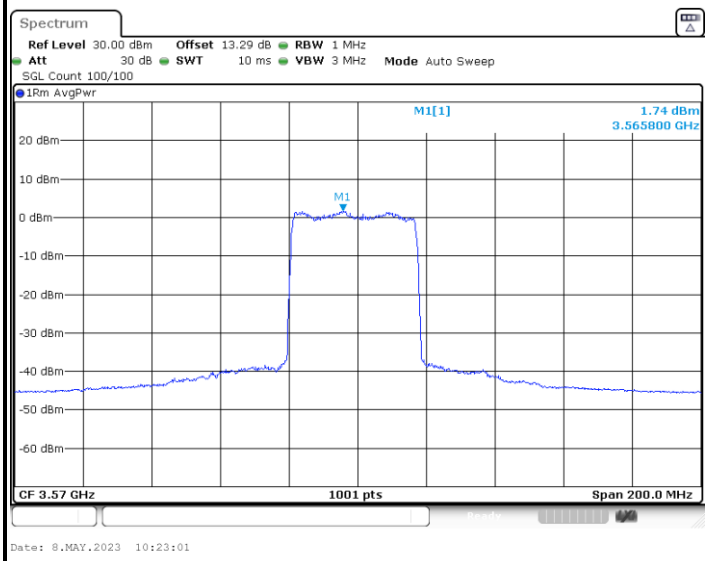
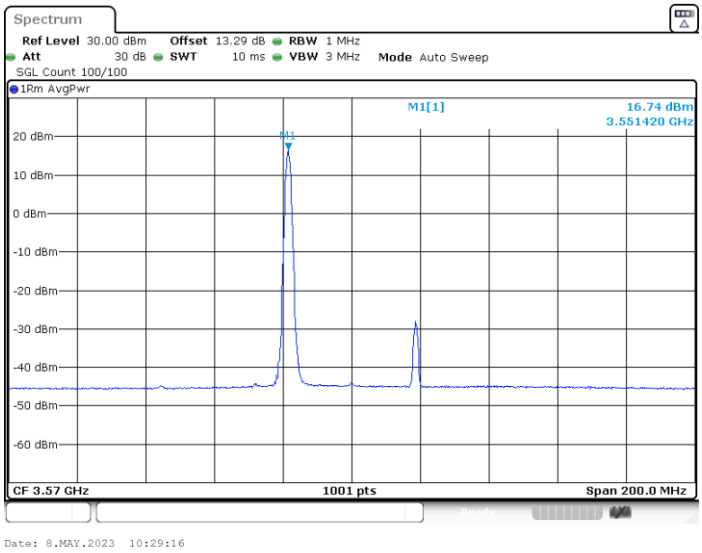
FR1 Part 96 n48 / 40MHz	
QPSK	
Middle Channel / 1RB0	Middle Channel / 1RBmax
	
Middle Channel / FullRB	Middle Channel / 1RB1
	

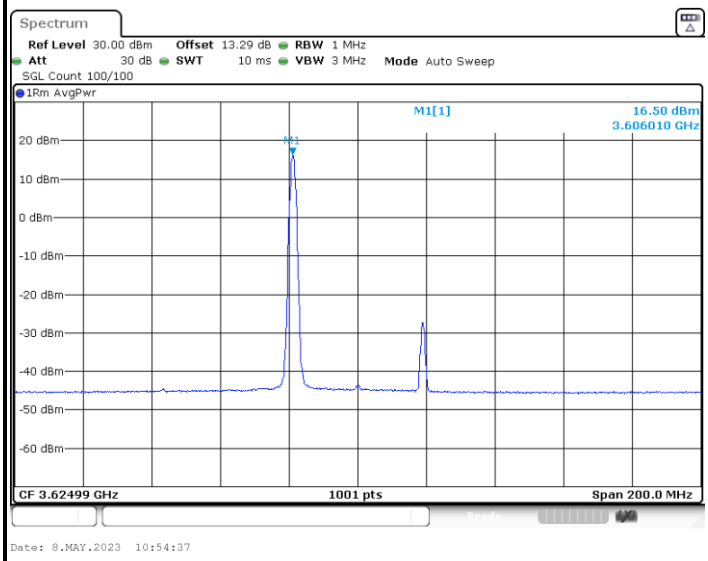
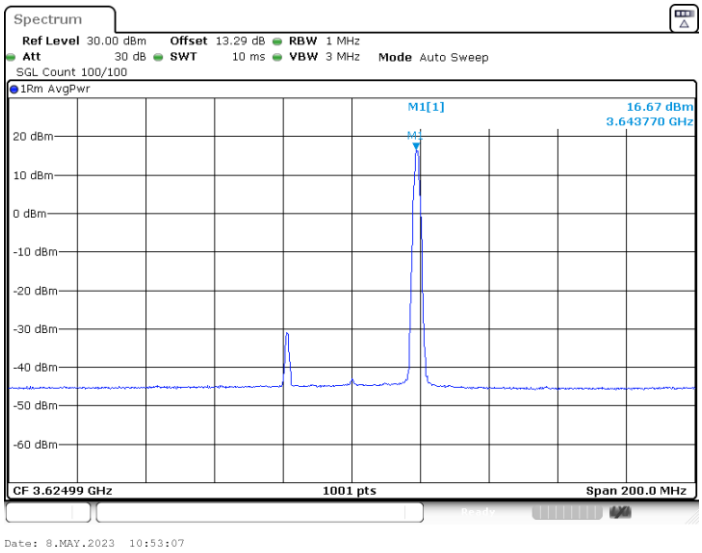
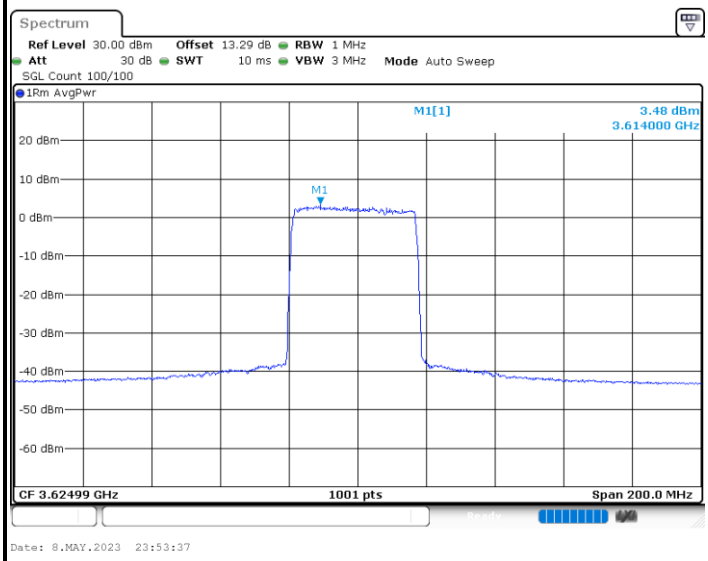
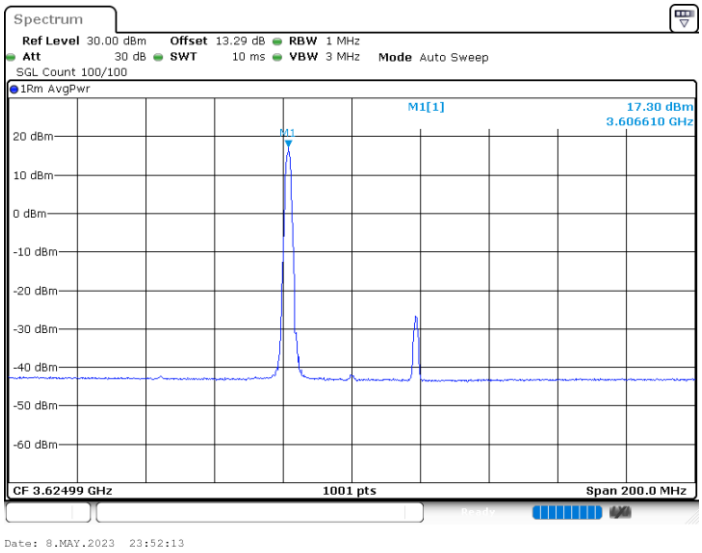
FR1 Part 96 n48 / 40MHz	
QPSK	
Highest Channel / 1RB0	Highest Channel / 1RBmax
	
Highest Channel / FullRB	Highest Channel / 1RB1
	

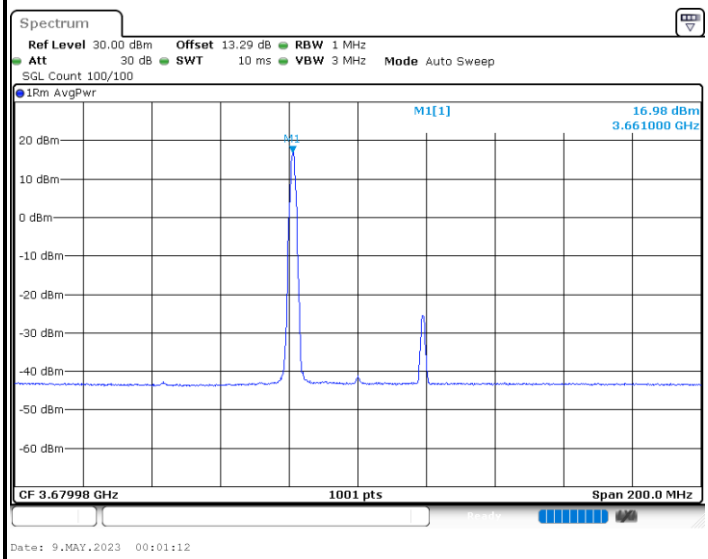
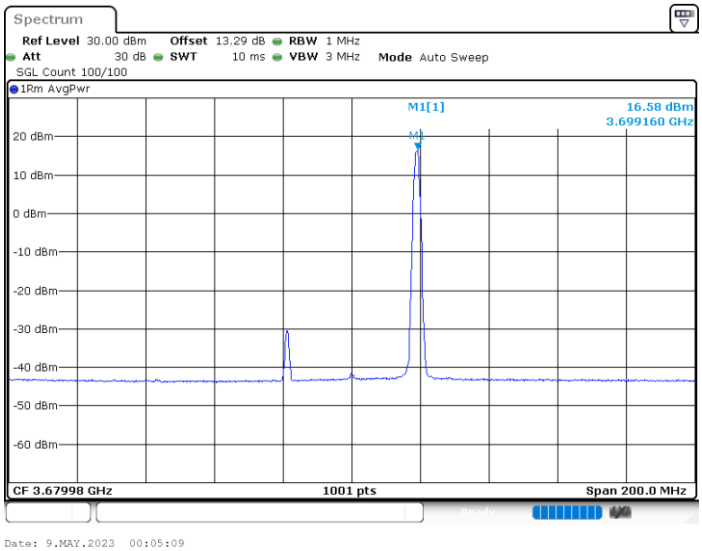
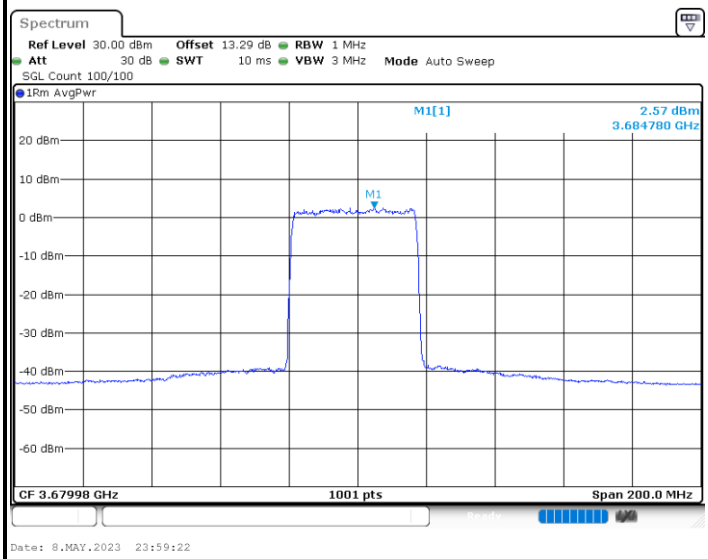
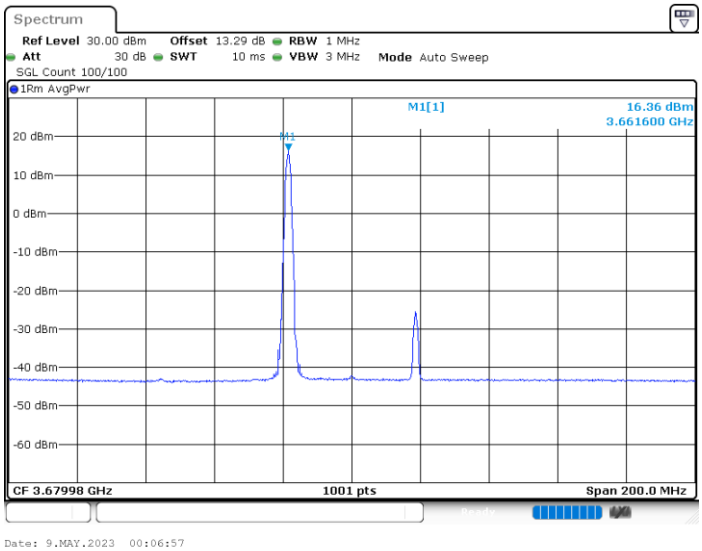
FR1 Part 96 n48 / 40MHz	
16QAM	
Lowest Channel / 1RB0	Lowest Channel / 1RBmax
	
Lowest Channel / FullRB	Lowest Channel / 1RB1
	

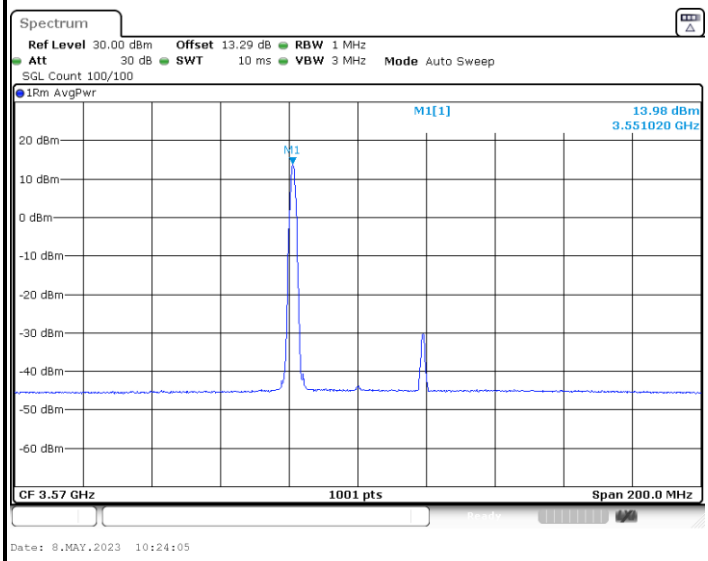
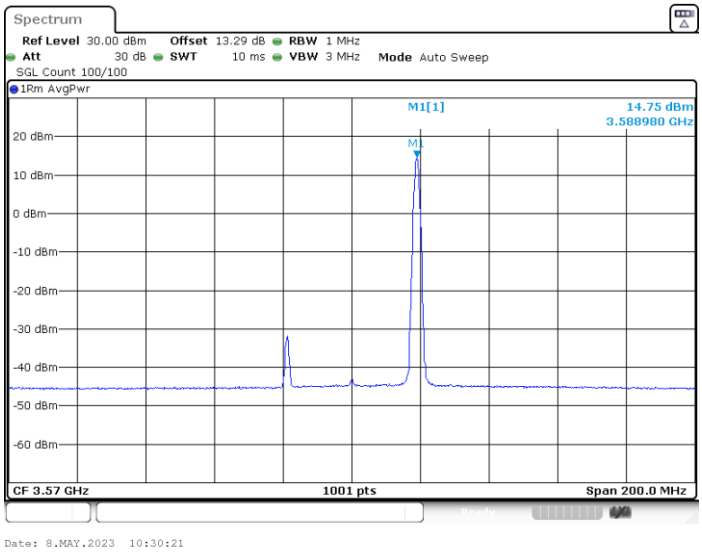
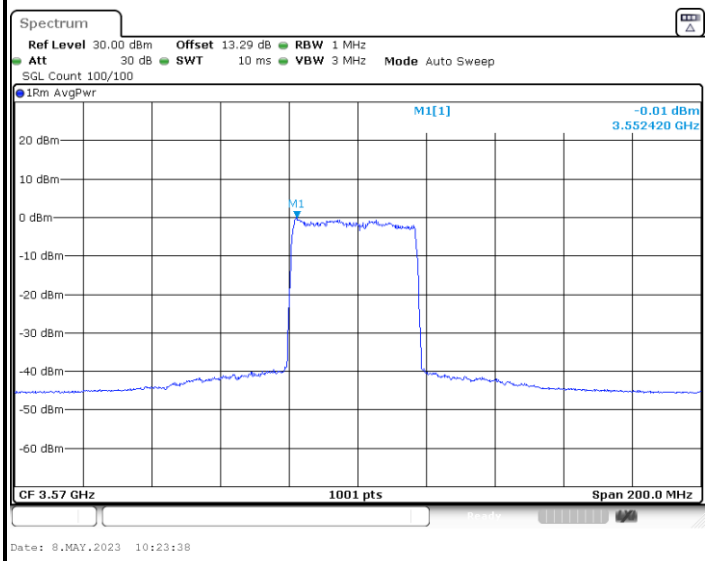
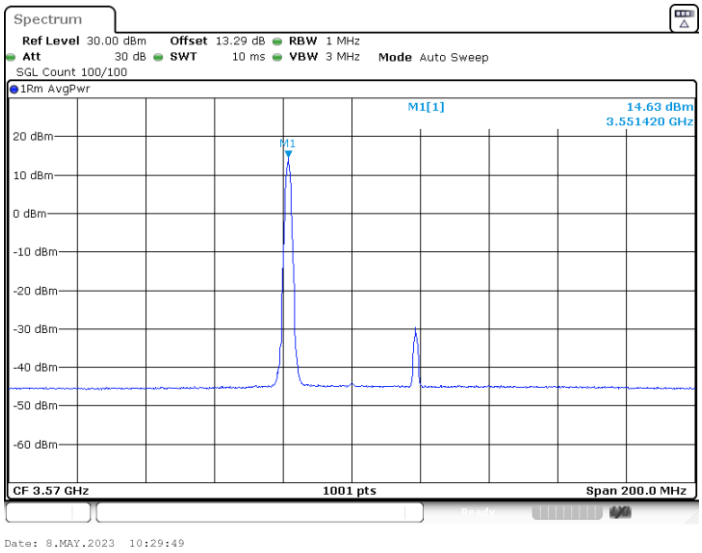
FR1 Part 96 n48 / 40MHz	
16QAM	
Middle Channel / 1RB0	Middle Channel / 1RBmax
	
Middle Channel / FullRB	Middle Channel / 1RB1
	

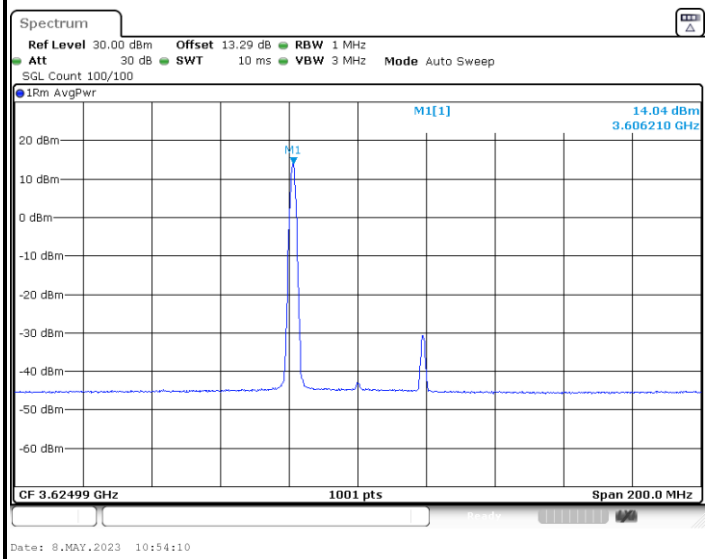
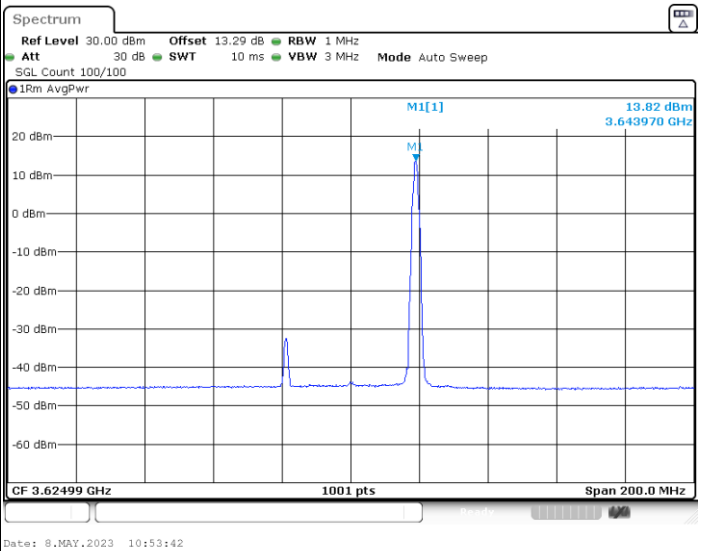
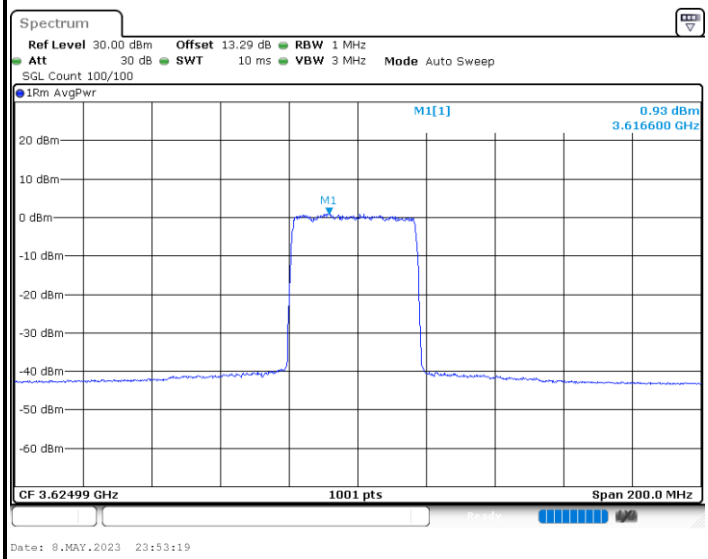
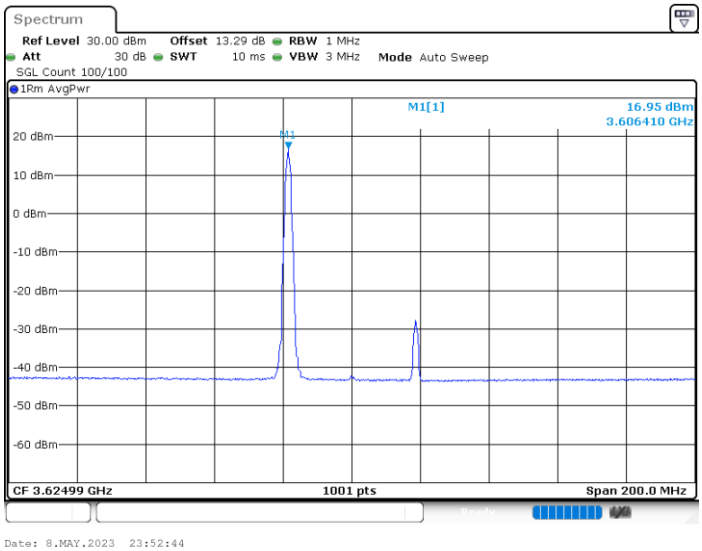
FR1 Part 96 n48 / 40MHz	
16QAM	
Highest Channel / 1RB0	Highest Channel / 1RBmax
	
Highest Channel / FullRB	Highest Channel / 1RB1
	

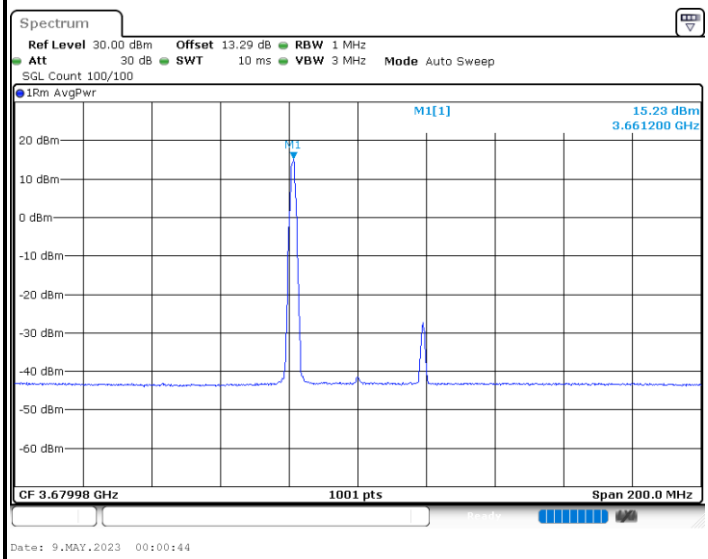
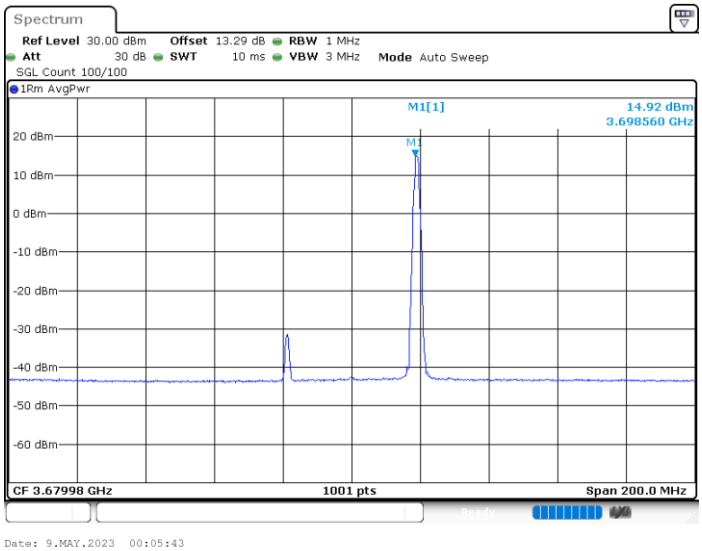
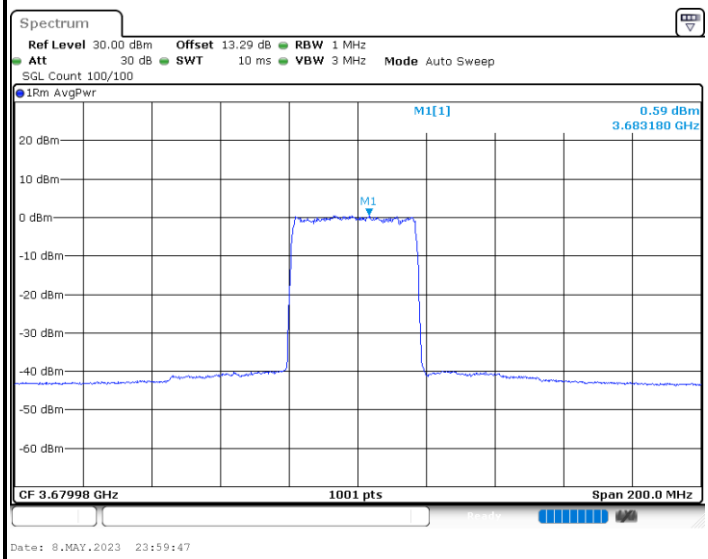
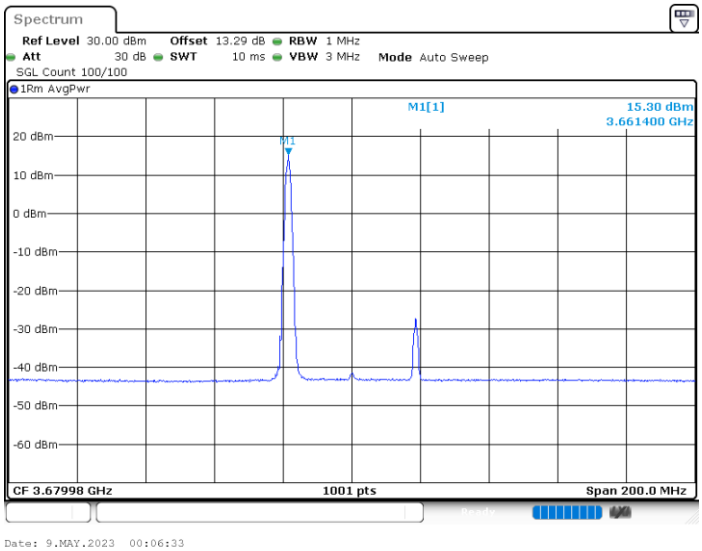
FR1 Part 96 n48 / 40MHz	
64QAM	
Lowest Channel / 1RB0	Lowest Channel / 1RBmax
	
Lowest Channel / FullRB	Lowest Channel / 1RB1
	

FR1 Part 96 n48 / 40MHz	
64QAM	
Middle Channel / 1RB0	Middle Channel / 1RBmax
	
Middle Channel / FullRB	Middle Channel / 1RB1
	

FR1 Part 96 n48 / 40MHz	
64QAM	
Highest Channel / 1RB0	Highest Channel / 1RBmax
	
Highest Channel / FullRB	Highest Channel / 1RB1
	

FR1 Part 96 n48 / 40MHz	
256QAM	
Lowest Channel / 1RB0	Lowest Channel / 1RBmax
	
Lowest Channel / FullRB	Lowest Channel / 1RB1
	

FR1 Part 96 n48 / 40MHz	
256QAM	
Middle Channel / 1RB0	Middle Channel / 1RBmax
	
Middle Channel / FullRB	Middle Channel / 1RB1
	

FR1 Part 96 n48 / 40MHz	
256QAM	
Highest Channel / 1RB0	Highest Channel / 1RBmax
	
Highest Channel / FullRB	Highest Channel / 1RB1
	

5G NR n48 UL MIMO (Ant.0+3):

Mode	FR1 Part96 N48 : EIRP Power Density (dBm/1MHz)				
BW	10M (1RB1)				
Mod.		QPSK	16QAM	64QAM	256QAM
Lowest CH		33.9	34.26	32.35	29.88
Middle CH		34.6	34.33	32.76	29.93
Highest CH		33.99	34.45	32.51	29.88
BW	20M (1RB1)				
Mod.		QPSK	16QAM	64QAM	256QAM
Lowest CH		34.38	34.21	32.66	29.35
Middle CH		34.84	34.28	32.48	29.68
Highest CH		34.33	34.34	32.21	29.85
BW	40M (1RB1)				
Mod.		QPSK	16QAM	64QAM	256QAM
Lowest CH		34.33	34.01	32.12	29.58
Middle CH		34.34	33.41	32.87	29.06
Highest CH		34.39	33.69	31.95	29.81
Limit	37dBm /1MHz				
Gain	16.32				
Result	Pass				

BW	10M (1RB0)				
Mod.		QPSK	16QAM	64QAM	256QAM
Lowest CH		33.37	33.49	32.95	29.61
Middle CH		32.99	33.24	33.1	29.98
Highest CH		33.17	33.26	32.1	29.68
BW	20M (1RB0)				
Mod.		QPSK	16QAM	64QAM	256QAM
Lowest CH		32.8	33.22	32.45	29.89
Middle CH		33.17	33.13	32.42	29.7
Highest CH		33.27	33.46	32.29	29.95
BW	40M (1RB0)				
Mod.		QPSK	16QAM	64QAM	256QAM
Lowest CH		33.6	33.07	31.59	29.46
Middle CH		32.98	33.13	31.82	29.91
Highest CH		33.38	32.53	32.03	29.62
Limit	37dBm /1MHz				
Gain	16.32				
Result	Pass				

BW	10M (1RBMax)				
Mod.		QPSK	16QAM	64QAM	256QAM
Lowest CH		32.7	33.18	32.39	29.5
Middle CH		33.18	33.54	32.45	29.93
Highest CH		33.26	33.51	32.88	29.79
BW	20M (1RBMax)				
Mod.		QPSK	16QAM	64QAM	256QAM
Lowest CH		33.31	33.56	32.3	29.73
Middle CH		32.88	33.21	32.21	29.89
Highest CH		33.06	33.7	32.41	29.74
BW	40M (1RBMax)				
Mod.		QPSK	16QAM	64QAM	256QAM
Lowest CH		32.69	33.11	32.22	29.22
Middle CH		33.38	33.07	32.44	32.32
Highest CH		33.12	33.59	32.38	30.38
Limit	37dBm /1MHz				
Gain	16.32				
Result	Pass				

BW	10M (FULL)				
Mod.		QPSK	16QAM	64QAM	256QAM
Lowest CH		24.63	24.73	24.45	21.09
Middle CH		24.86	24.81	24.28	21.48
Highest CH		24.65	24.76	24.27	21.25
BW	20M (FULL)				
Mod.		QPSK	16QAM	64QAM	256QAM
Lowest CH		21.79	21.7	21.33	18.28
Middle CH		21.63	21.64	21.22	18.03
Highest CH		21.46	21.52	21.22	18.12
BW	40M (FULL)				
Mod.		QPSK	16QAM	64QAM	256QAM
Lowest CH		15.54	16.09	15.92	13.74
Middle CH		15.82	15.89	16.06	13.8
Highest CH		15.42	15.44	15.43	13.47
Limit	37dBm /1MHz				
Gain	16.32				
Result	Pass				

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Herry Li	Temperature :	23~25℃
		Relative Humidity :	41~42%

SA n48 / NR 40MHz / QPSK / ANT0(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7212	-62.49	-40	-22.49	-73.95	2.84	14.30	H
	10824	-60.75	-40	-20.75	-70.69	3.49	13.43	H
	14424	-59.71	-40	-19.71	-69.95	3.85	14.09	H
	7212	-59.93	-40	-19.93	-71.39	2.84	14.30	V
	10824	-60.79	-40	-20.79	-70.73	3.49	13.43	V
	14424	-59.98	-40	-19.98	-70.22	3.85	14.09	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

n48 UL MIMO / NR 40MHz / QPSK / ANT0+3(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7212	-62.51	-40	-22.51	-73.97	2.84	14.30	H
	10824	-60.40	-40	-20.40	-70.34	3.49	13.43	H
	14424	-60.14	-40	-20.14	-70.38	3.85	14.09	H
	7212	-61.69	-40	-21.69	-73.15	2.84	14.30	V
	10824	-60.96	-40	-20.96	-70.90	3.49	13.43	V
	14424	-59.82	-40	-19.82	-70.06	3.85	14.09	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.