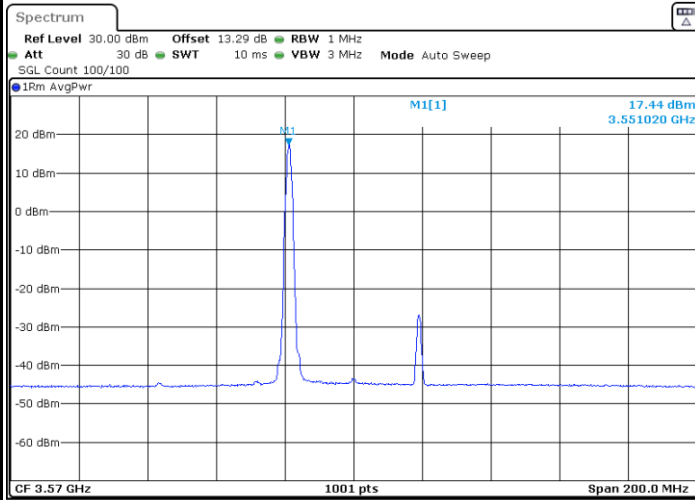




FR1 Part 96 n48 / 40MHz

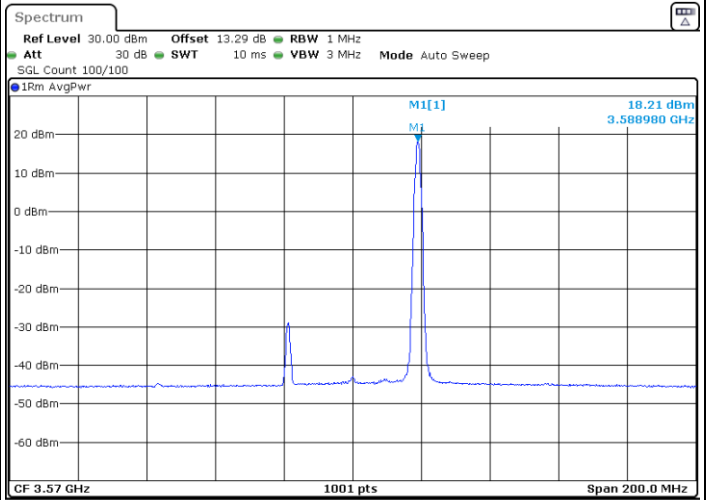
QPSK

Lowest Channel / 1RB0



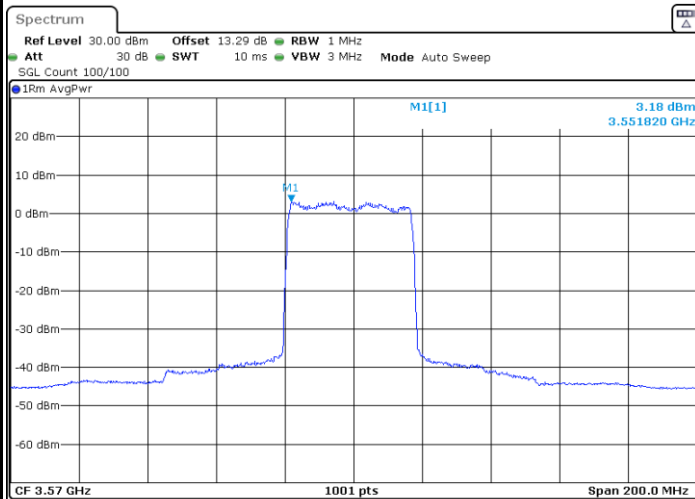
Date: 8.MAY.2023 10:25:33

Lowest Channel / 1RBmax



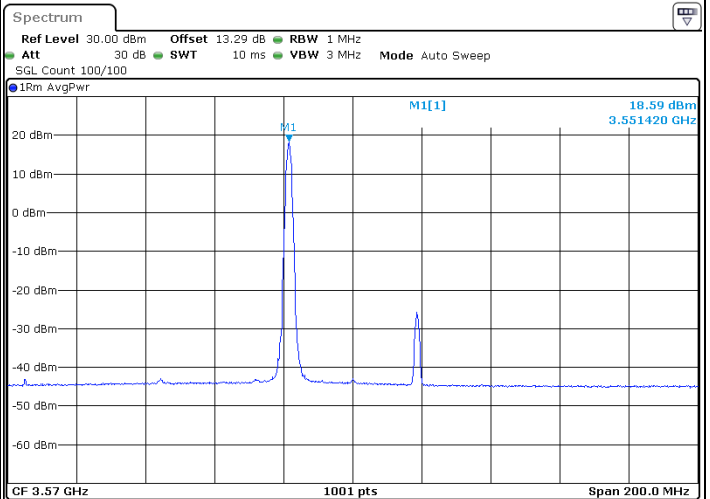
Date: 8.MAY.2023 10:31:39

Lowest Channel / FullRB



Date: 8.MAY.2023 10:21:17

Lowest Channel / 1RB1



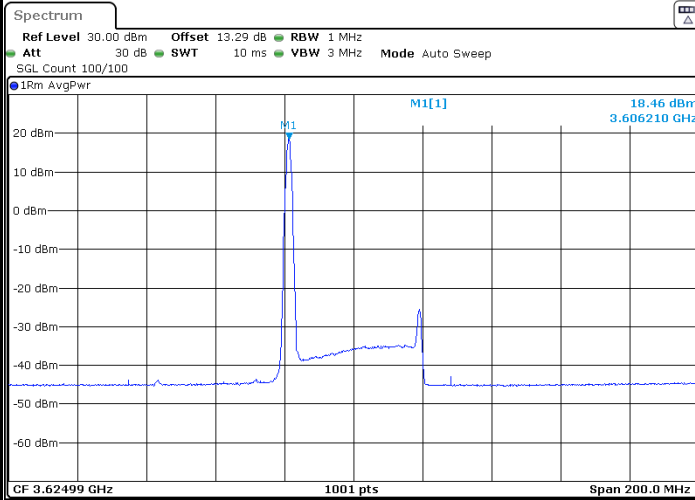
Date: 6.MAY.2023 13:52:04



FR1 Part 96 n48 / 40MHz

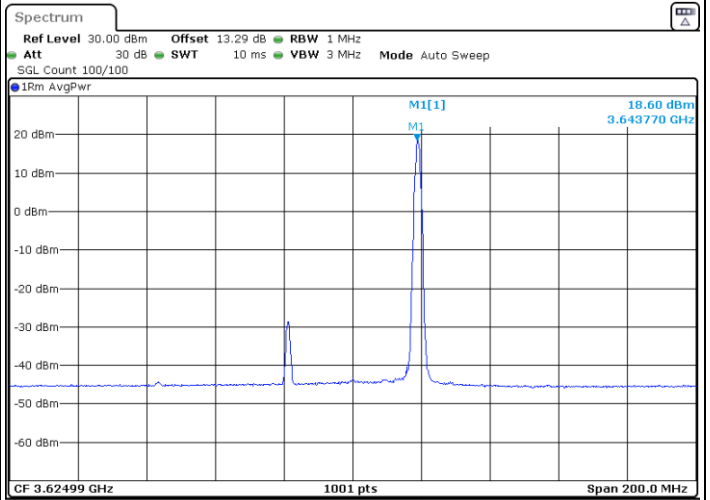
QPSK

Middle Channel / 1RB0



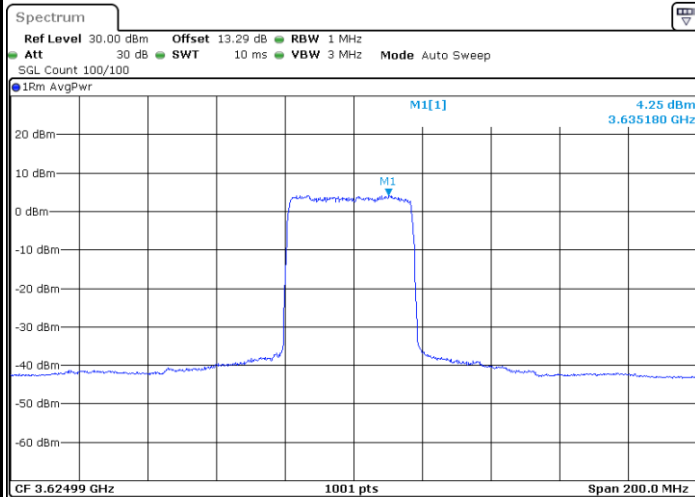
Date: 12.FEB.2007 22:23:07

Middle Channel / 1RBmax



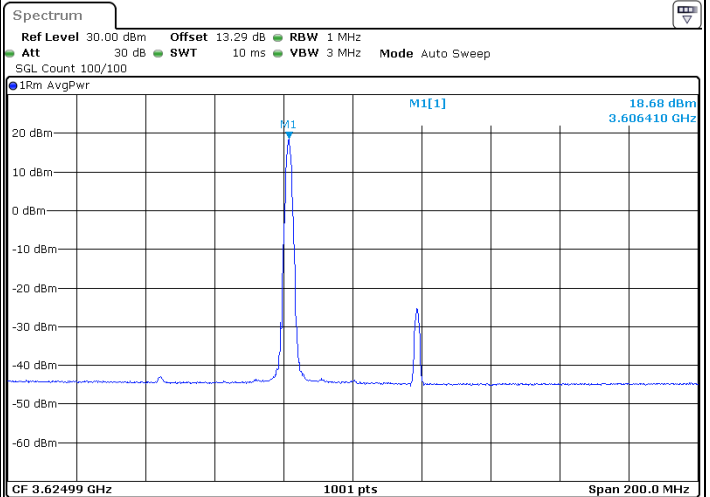
Date: 8.MAY.2023 10:51:50

Middle Channel / FullRB



Date: 8.MAY.2023 23:54:13

Middle Channel / 1RB1



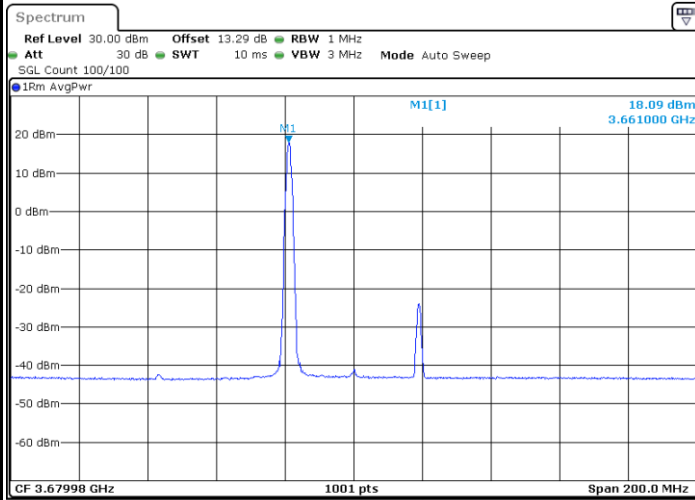
Date: 6.MAY.2023 13:50:10



FR1 Part 96 n48 / 40MHz

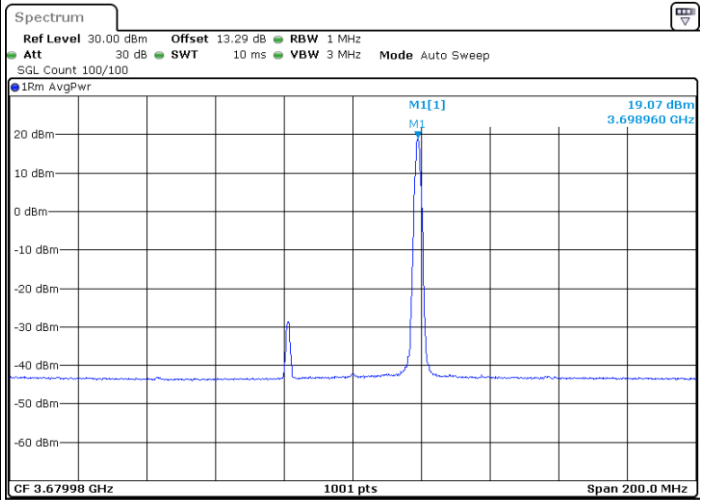
QPSK

Highest Channel / 1RB0



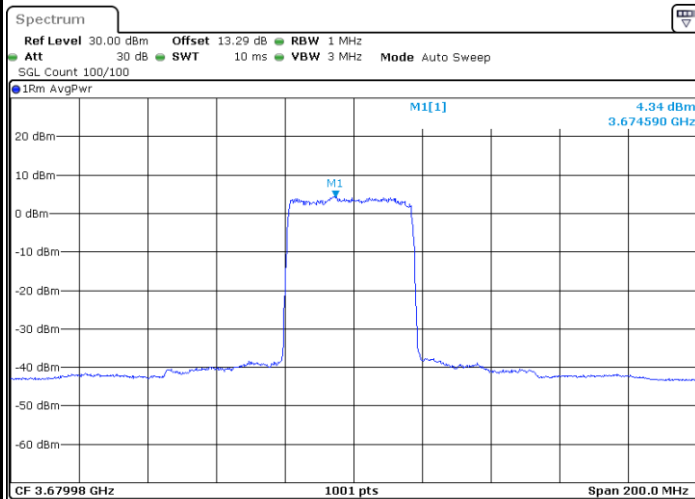
Date: 9.MAY.2023 00:02:02

Highest Channel / 1RBmax



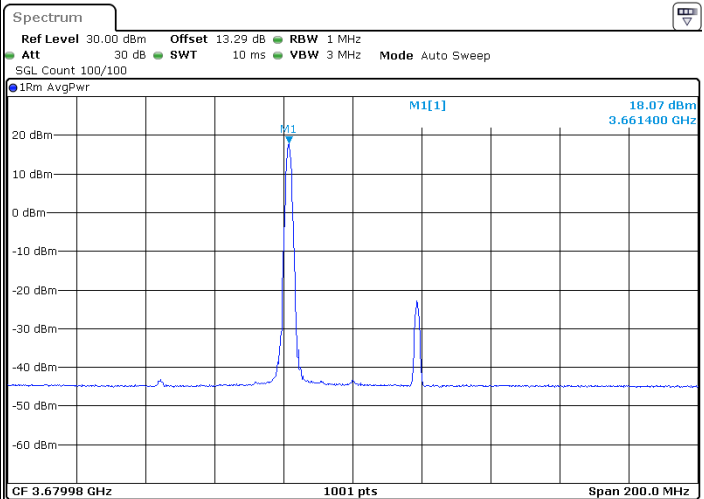
Date: 9.MAY.2023 00:04:28

Highest Channel / FullRB



Date: 8.MAY.2023 23:57:30

Highest Channel / 1RB1



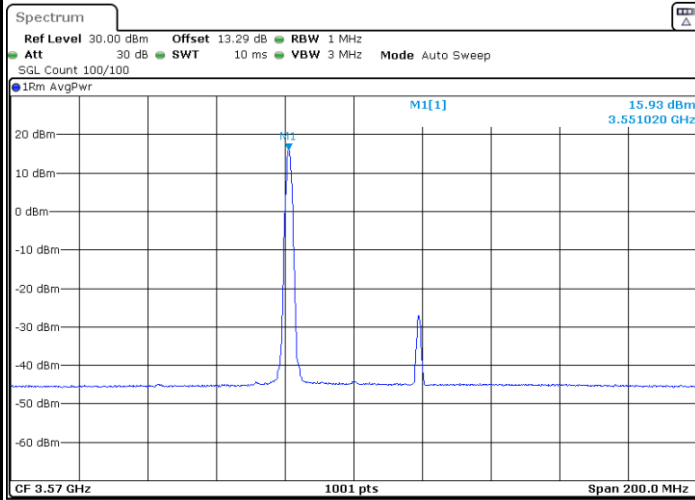
Date: 6.MAY.2023 13:53:03



FR1 Part 96 n48 / 40MHz

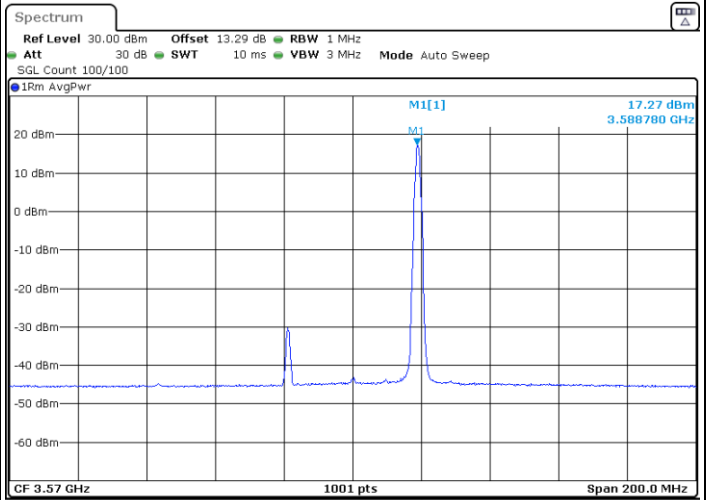
16QAM

Lowest Channel / 1RB0



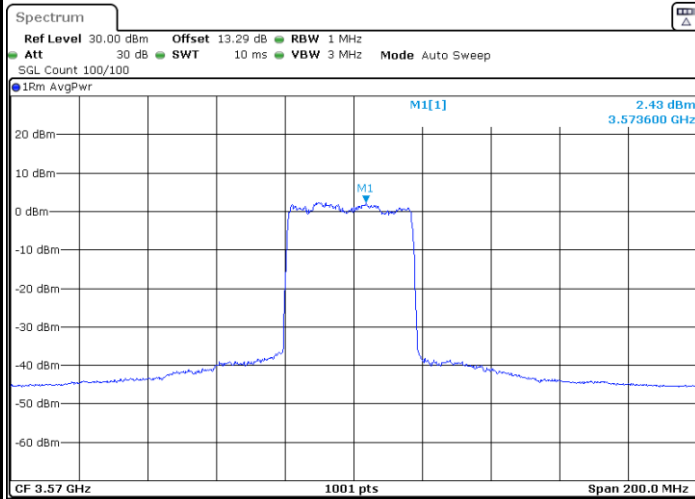
Date: 8.MAY.2023 10:25:04

Lowest Channel / 1RBmax



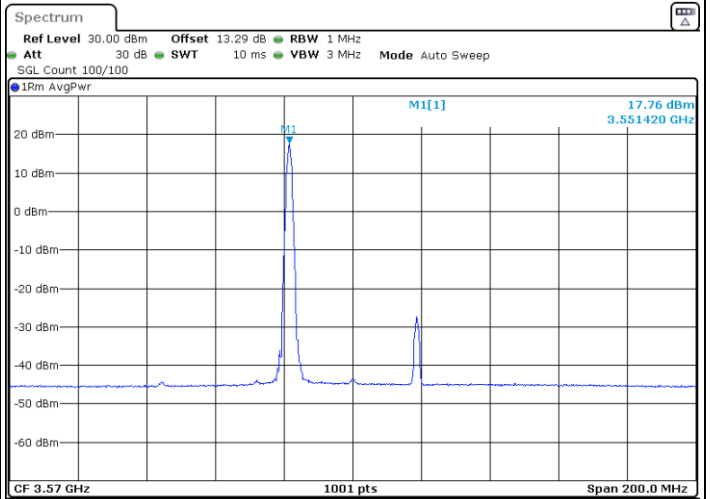
Date: 8.MAY.2023 10:31:07

Lowest Channel / FullRB



Date: 8.MAY.2023 10:22:33

Lowest Channel / 1RB1



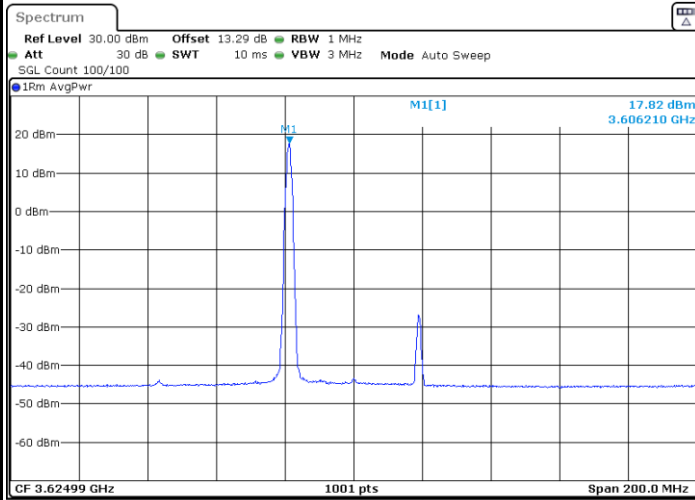
Date: 8.MAY.2023 10:28:52



FR1 Part 96 n48 / 40MHz

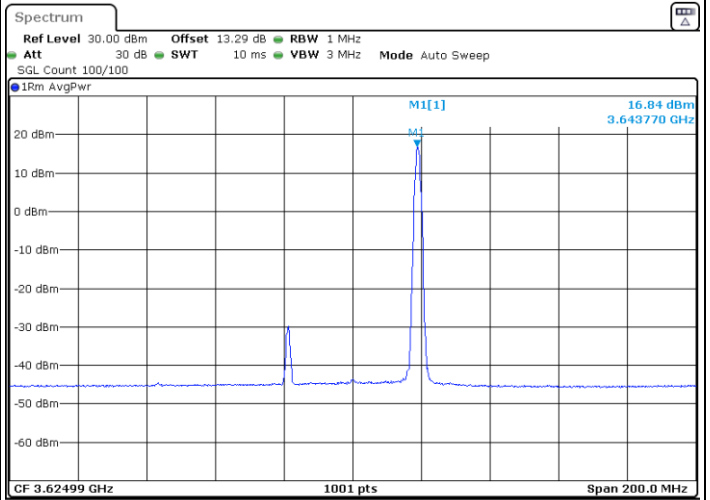
16QAM

Middle Channel / 1RB0



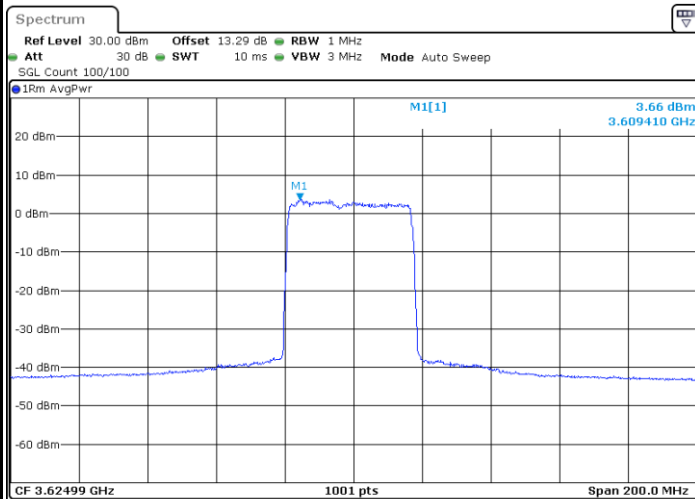
Date: 8.MAY.2023 10:55:22

Middle Channel / 1RBmax



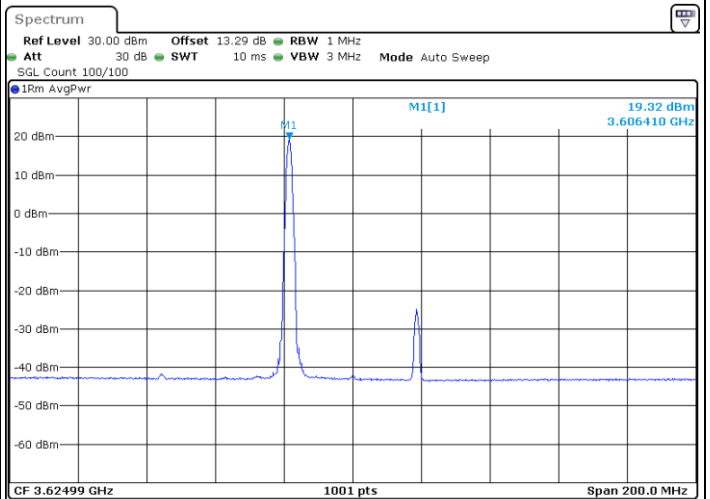
Date: 8.MAY.2023 10:52:13

Middle Channel / FullRB



Date: 8.MAY.2023 23:53:55

Middle Channel / 1RB1



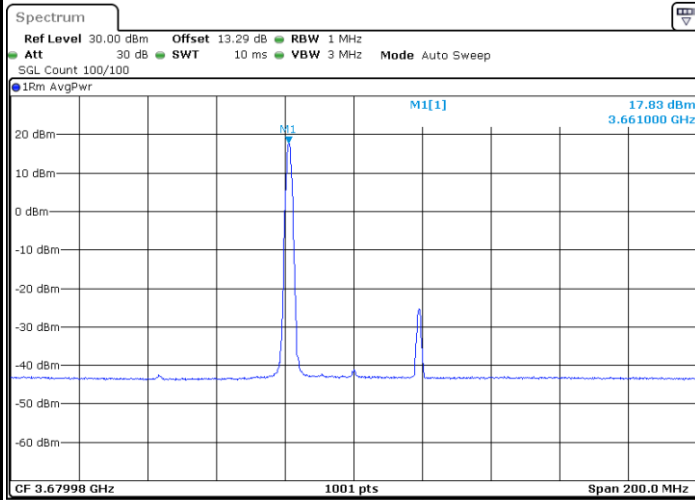
Date: 8.MAY.2023 23:51:32



FR1 Part 96 n48 / 40MHz

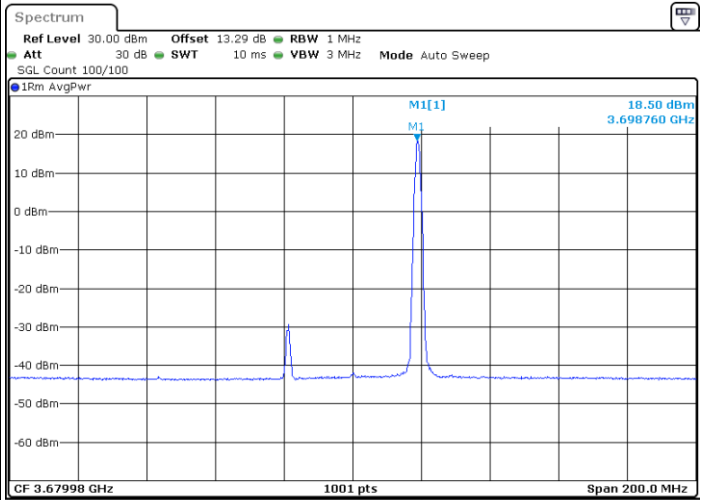
16QAM

Highest Channel / 1RB0



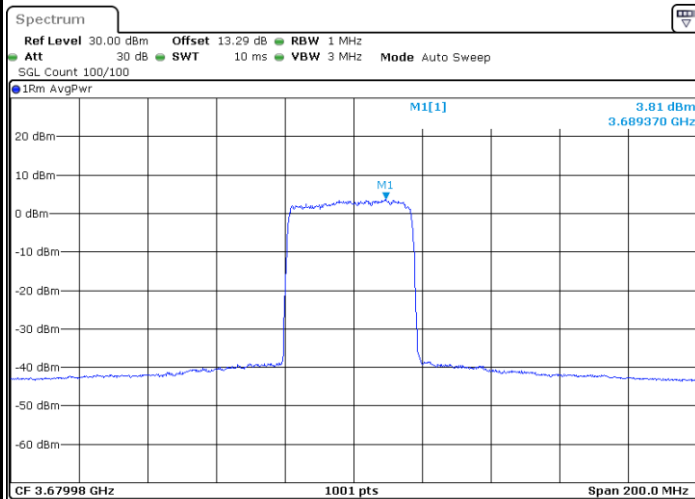
Date: 9.MAY.2023 00:01:31

Highest Channel / 1RBmax



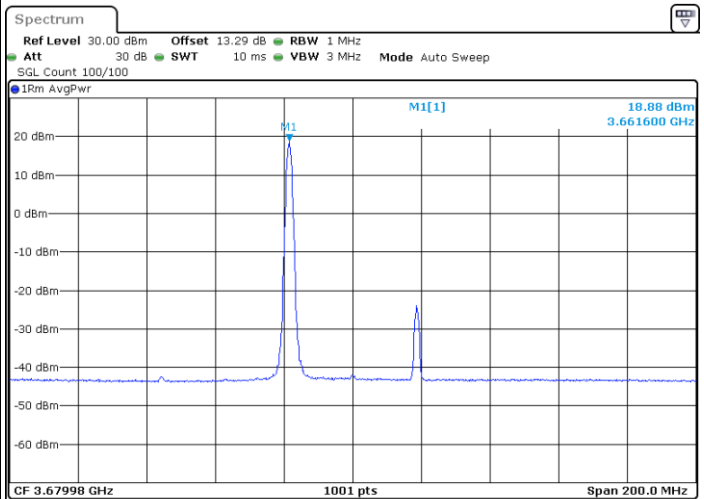
Date: 9.MAY.2023 00:04:45

Highest Channel / FullRB



Date: 8.MAY.2023 23:58:58

Highest Channel / 1RB1



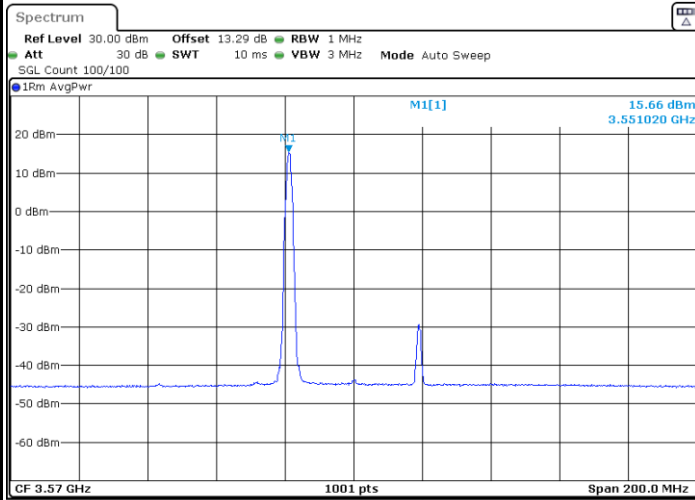
Date: 9.MAY.2023 00:07:43



FR1 Part 96 n48 / 40MHz

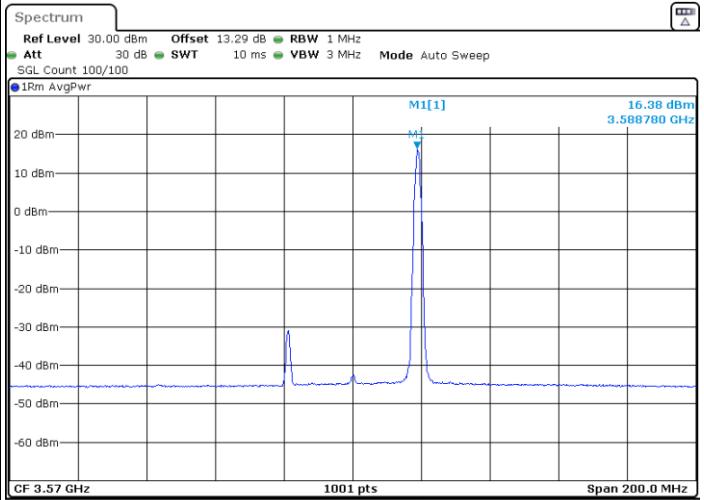
64QAM

Lowest Channel / 1RB0



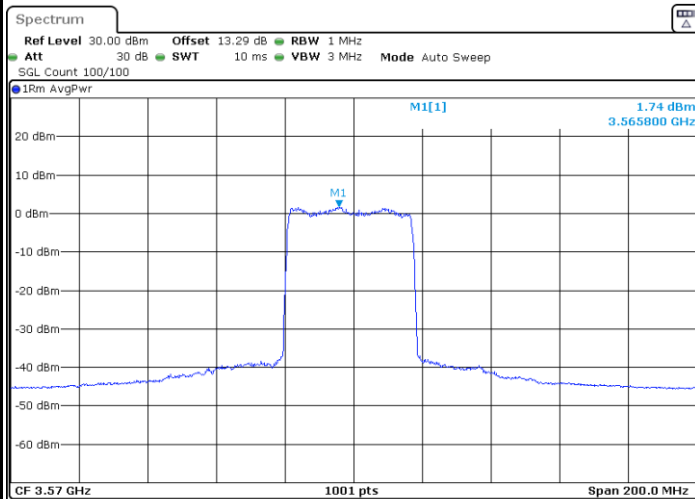
Date: 8.MAY.2023 10:24:39

Lowest Channel / 1RBmax



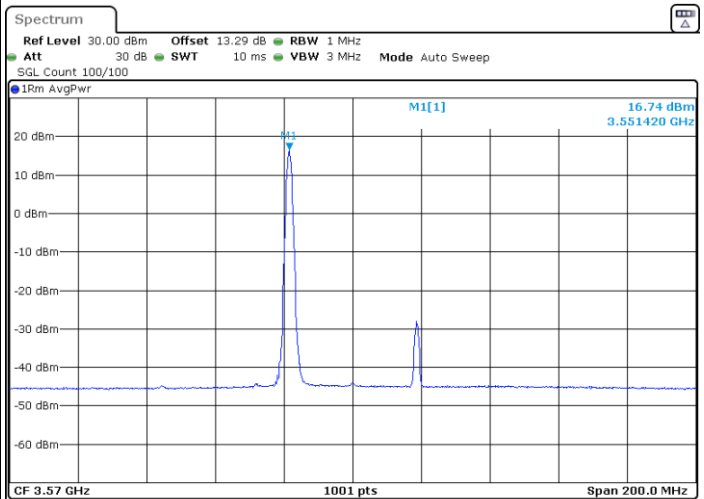
Date: 8.MAY.2023 10:30:44

Lowest Channel / FullRB



Date: 8.MAY.2023 10:23:01

Lowest Channel / 1RB1



Date: 8.MAY.2023 10:29:16

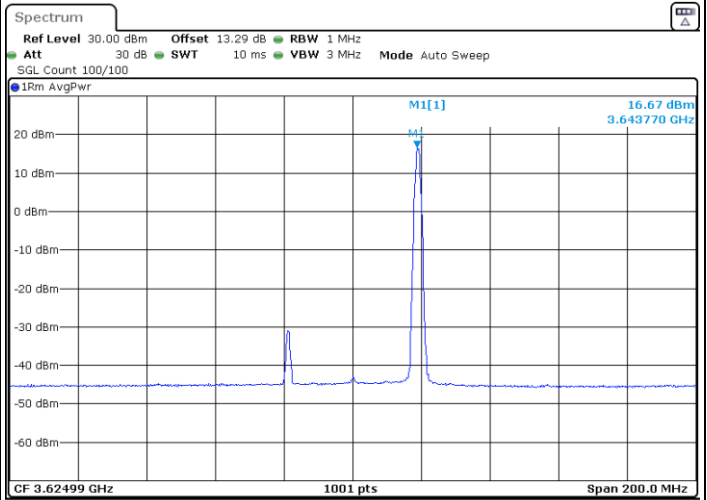
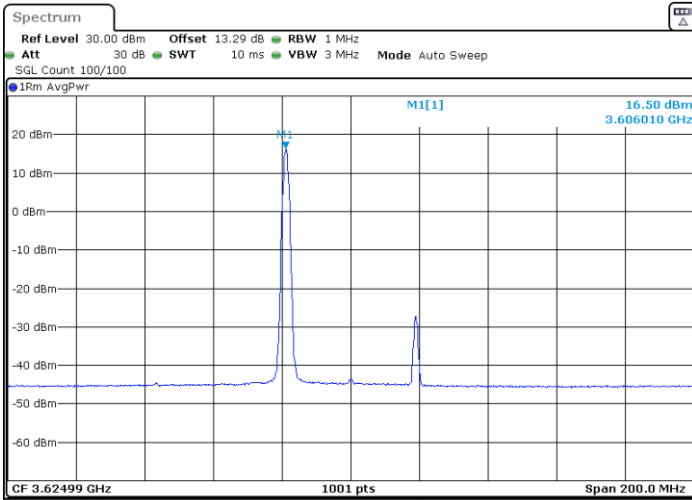


FR1 Part 96 n48 / 40MHz

64QAM

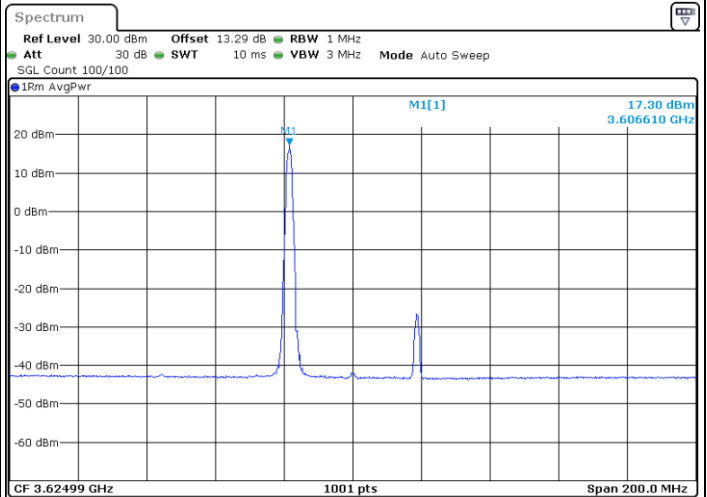
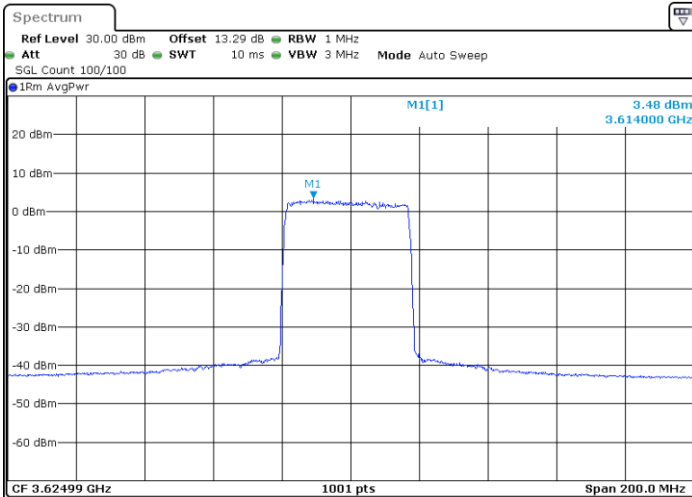
Middle Channel / 1RB0

Middle Channel / 1RBmax



Middle Channel / FullRB

Middle Channel / 1RB1

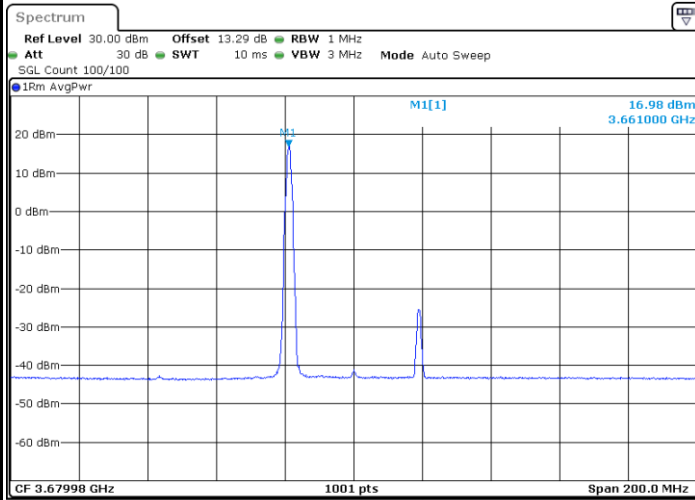




FR1 Part 96 n48 / 40MHz

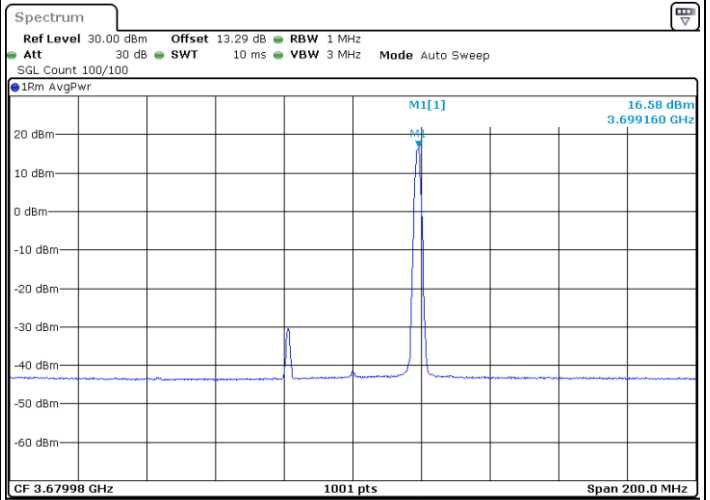
64QAM

Highest Channel / 1RB0



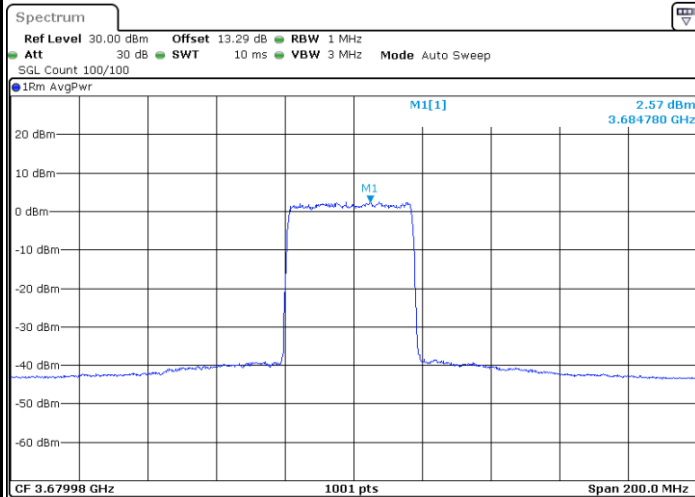
Date: 9.MAY.2023 00:01:12

Highest Channel / 1RBmax



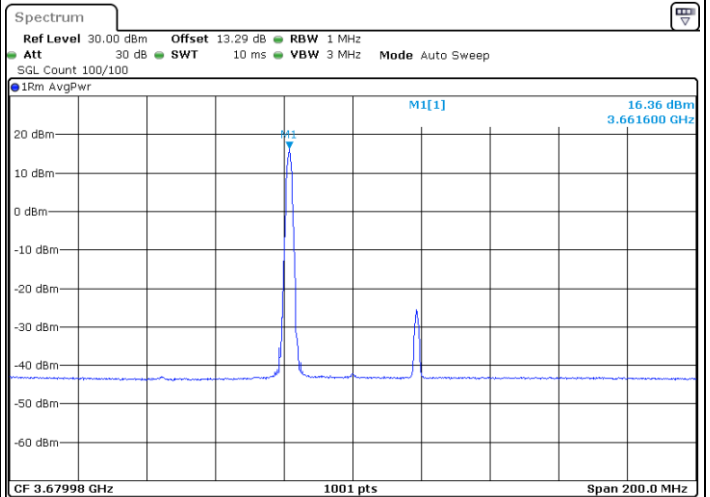
Date: 9.MAY.2023 00:05:09

Highest Channel / FullRB



Date: 8.MAY.2023 23:59:22

Highest Channel / 1RB1



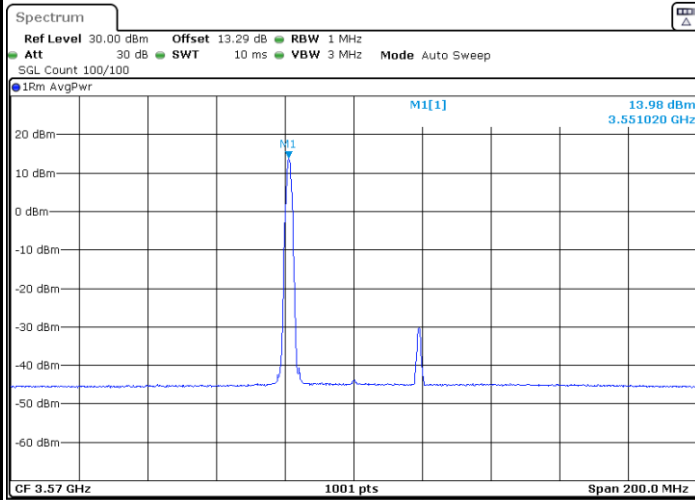
Date: 9.MAY.2023 00:06:57



FR1 Part 96 n48 / 40MHz

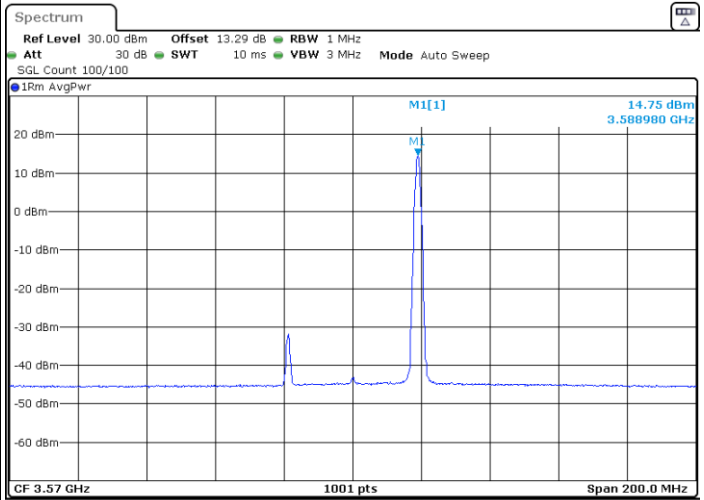
256QAM

Lowest Channel / 1RB0



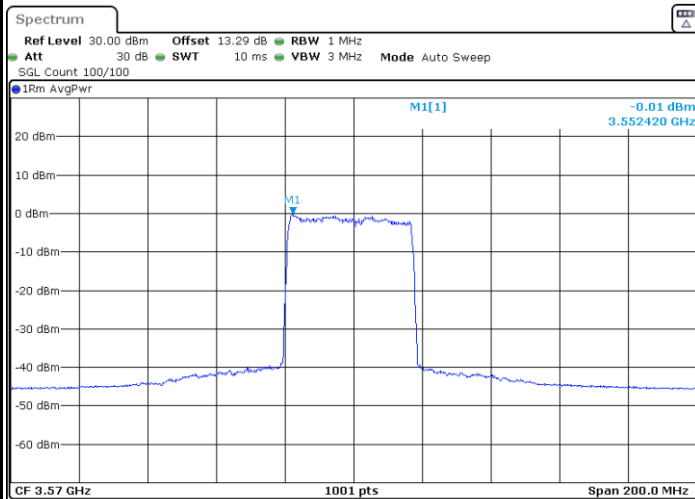
Date: 8.MAY.2023 10:24:05

Lowest Channel / 1RBmax



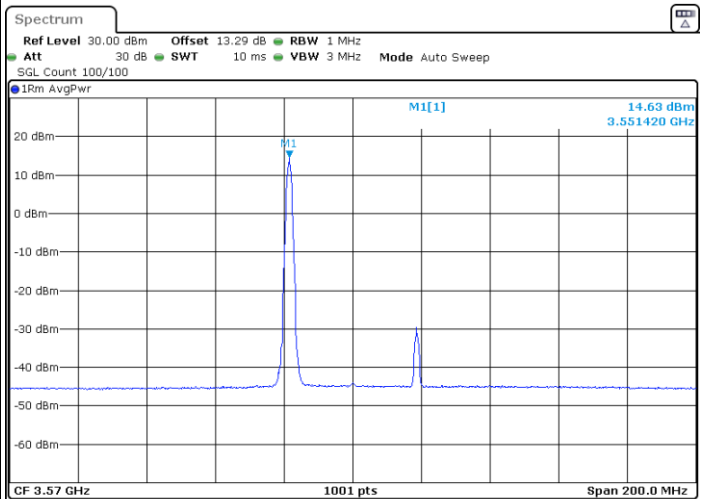
Date: 8.MAY.2023 10:30:21

Lowest Channel / FullRB



Date: 8.MAY.2023 10:23:38

Lowest Channel / 1RB1



Date: 8.MAY.2023 10:29:49

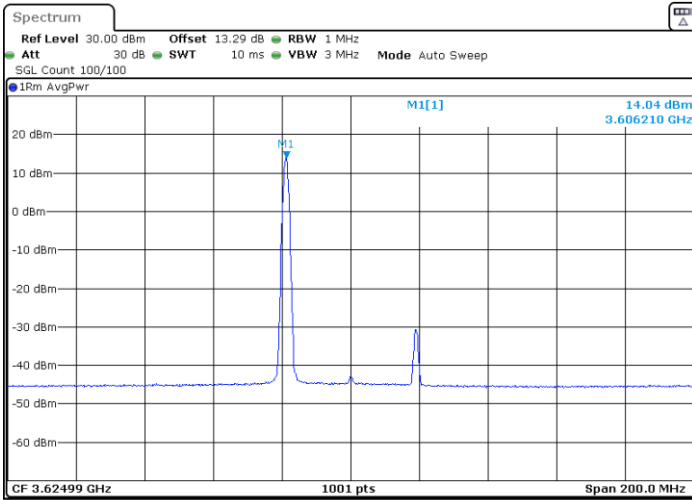


FR1 Part 96 n48 / 40MHz

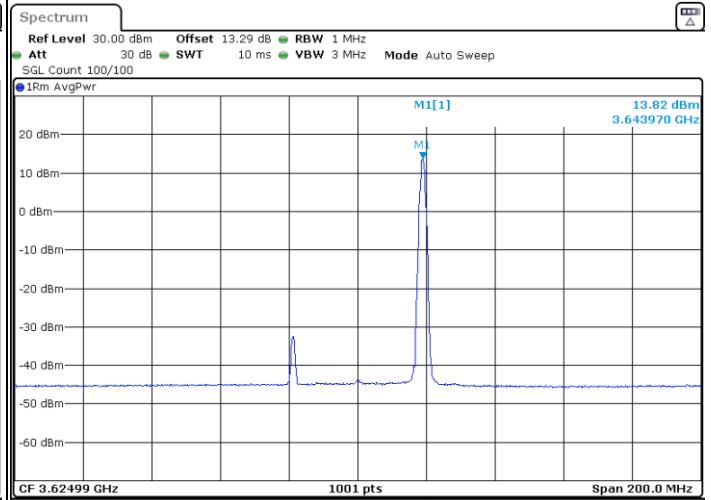
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



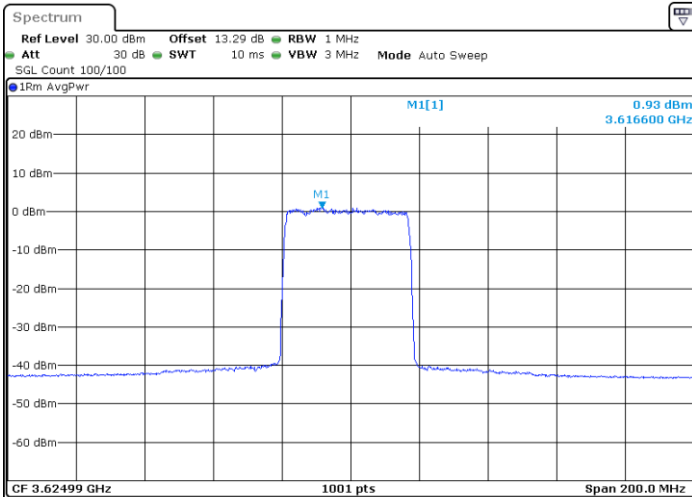
Date: 8.MAY.2023 10:54:10



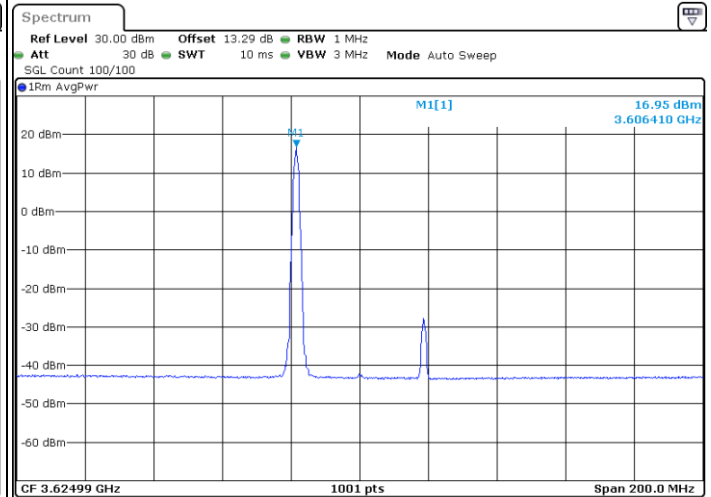
Date: 8.MAY.2023 10:53:42

Middle Channel / FullRB

Middle Channel / 1RB1



Date: 8.MAY.2023 23:53:19



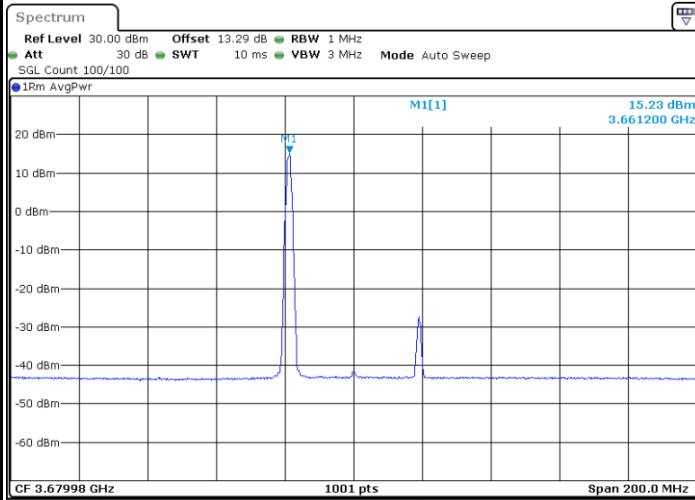
Date: 8.MAY.2023 23:52:44



FR1 Part 96 n48 / 40MHz

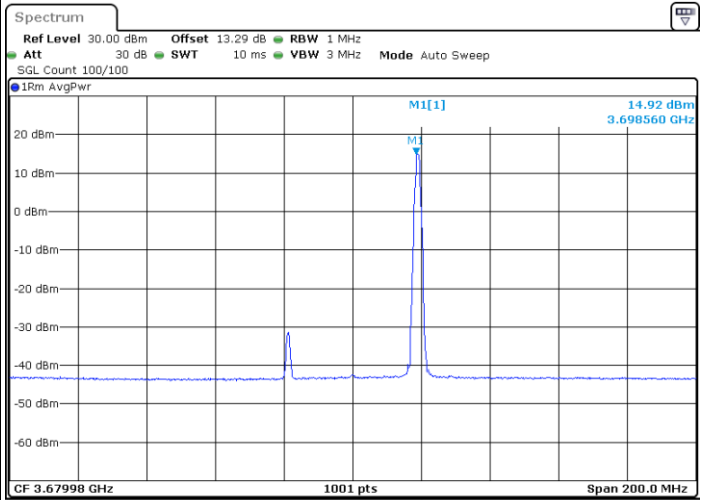
256QAM

Highest Channel / 1RB0



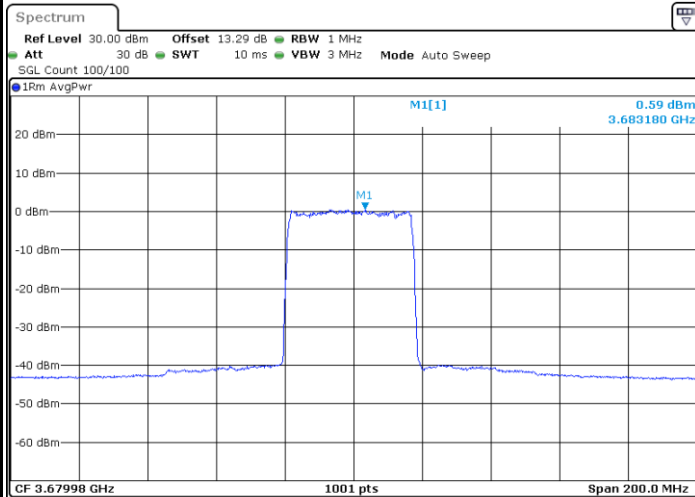
Date: 9.MAY.2023 00:00:44

Highest Channel / 1RBmax



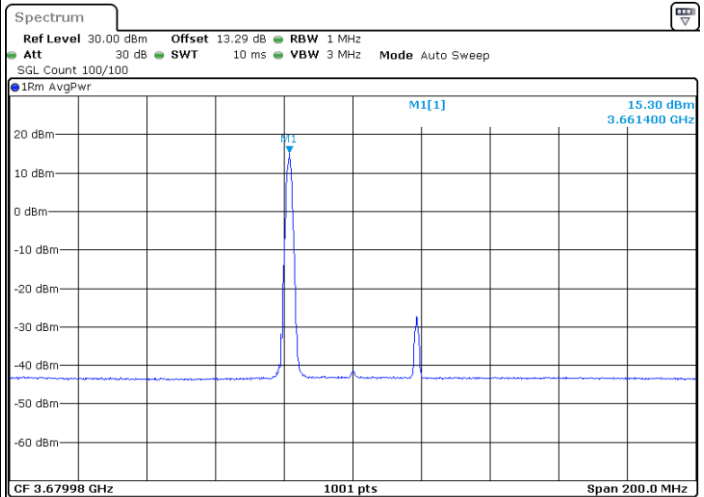
Date: 9.MAY.2023 00:05:43

Highest Channel / FullIRB



Date: 8.MAY.2023 23:59:47

Highest Channel / 1RB1



Date: 9.MAY.2023 00:06:33



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°C
		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.