







24	30 MHz to 3530 MHz	-61.43	-62.09	-61.91	-61.77	-58.06	-3.37
	3.72 GHz to 6.2 GHz	-65.21	-64.89	-65.08	-64.96	-58.06	-6.83
	6.2 GHz to 18 GHz	-74.83	-75.08	-75.00	-75.12	-58.06	-16.77
	18 GHz to 40 GHz	-75.61	-75.49	-75.63	-75.66	-58.06	-17.43
25	30 MHz to 3530 MHz	-61.97	-61.90	-61.99	-61.96	-58.06	-3.84
	3.72 GHz to 6.2 GHz	-64.90	-65.06	-65.27	-65.01	-58.06	-6.84
	6.2 GHz to 18 GHz	-74.83	-74.58	-74.82	-75.22	-58.06	-16.52
	18 GHz to 40 GHz	-75.43	-75.23	-75.73	-75.71	-58.06	-17.17
26	30 MHz to 3530 MHz	-61.93	-62.22	-62.08	-61.84	-58.06	-3.78
	3.72 GHz to 6.2 GHz	-65.07	-65.00	-64.93	-65.12	-58.06	-6.87
	6.2 GHz to 18 GHz	-75.09	-75.29	-75.28	-75.27	-58.06	-17.03
	18 GHz to 40 GHz	-75.29	-75.42	-75.28	-75.98	-58.06	-17.22
27	30 MHz to 3530 MHz	-61.76	-61.55	-61.58	-61.80	-58.06	-3.49
	3.72 GHz to 6.2 GHz	-64.91	-64.60	-64.28	-64.53	-58.06	-6.22
	6.2 GHz to 18 GHz	-75.26	-75.44	-75.02	-74.82	-58.06	-16.76
	18 GHz to 40 GHz	-75.24	-75.72	-75.40	-75.48	-58.06	-17.18
28	30 MHz to 3530 MHz	-61.81	-62.04	-61.99	-62.09	-58.06	-3.75
	3.72 GHz to 6.2 GHz	-65.23	-65.13	-65.36	-65.14	-58.06	-7.07
	6.2 GHz to 18 GHz	-75.15	-75.29	-74.66	-75.08	-58.06	-16.60
	18 GHz to 40 GHz	-75.55	-75.81	-75.42	-75.70	-58.06	-17.36
29	30 MHz to 3530 MHz	-62.10	-62.35	-62.24	-62.26	-58.06	-4.04
	3.72 GHz to 6.2 GHz	-65.20	-65.03	-65.15	-65.34	-58.06	-6.97
	6.2 GHz to 18 GHz	-75.19	-75.21	-74.63	-75.07	-58.06	-16.57
	18 GHz to 40 GHz	-75.56	-75.66	-75.52	-75.71	-58.06	-17.46
30	30 MHz to 3530 MHz	-62.06	-61.63	-62.04	-61.91	-58.06	-3.57
	3.72 GHz to 6.2 GHz	-65.03	-65.15	-64.74	-65.27	-58.06	-6.68
	6.2 GHz to 18 GHz	-74.84	-75.31	-74.83	-75.23	-58.06	-16.77
	18 GHz to 40 GHz	-75.38	-75.68	-75.41	-75.56	-58.06	-17.32
31	30 MHz to 3530 MHz	-61.88	-61.89	-62.09	-62.05	-58.06	-3.82
	3.72 GHz to 6.2 GHz	-65.05	-65.19	-64.92	-65.42	-58.06	-6.86
	6.2 GHz to 18 GHz	-74.66	-75.30	-75.31	-74.89	-58.06	-16.60
	18 GHz to 40 GHz	-75.23	-75.61	-75.74	-75.73	-58.06	-17.17
32	30 MHz to 3530 MHz	-61.19	-60.82	-61.31	-61.27	-58.06	-2.76
	3.72 GHz to 6.2 GHz	-63.93	-63.80	-64.04	-64.09	-58.06	-5.74
	6.2 GHz to 18 GHz	-74.89	-74.99	-74.97	-74.96	-58.06	-16.83
	18 GHz to 40 GHz	-75.25	-75.35	-75.79	-75.37	-58.06	-17.19
33	30 MHz to 3530 MHz	-60.91	-61.00	-61.04	-61.13	-58.06	-2.85
	3.72 GHz to 6.2 GHz	-63.62	-63.66	-63.80	-63.87	-58.06	-5.56
	6.2 GHz to 18 GHz	-74.61	-74.71	-75.08	-75.06	-58.06	-16.55
	18 GHz to 40 GHz	-75.42	-75.49	-75.57	-75.51	-58.06	-17.36
34	30 MHz to 3530 MHz	-61.08	-60.93	-61.17	-60.95	-58.06	-2.87
	3.72 GHz to 6.2 GHz	-63.85	-63.43	-63.53	-63.27	-58.06	-5.21
	6.2 GHz to 18 GHz	-74.55	-75.25	-75.40	-75.25	-58.06	-16.49
	18 GHz to 40 GHz	-75.58	-75.44	-75.73	-75.72	-58.06	-17.38
35	30 MHz to 3530 MHz	-60.69	-60.80	-61.09	-60.88	-58.06	-2.63
	3.72 GHz to 6.2 GHz	-63.97	-63.63	-63.75	-63.78	-58.06	-5.57
	6.2 GHz to 18 GHz	-74.80	-74.29	-74.97	-75.11	-58.06	-16.23
	18 GHz to 40 GHz	-75.43	-75.62	-75.22	-75.52	-58.06	-17.16
36	30 MHz to 3530 MHz	-61.13	-61.16	-60.92	-61.00	-58.06	-2.86

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 268 of 315

		3.72 GHz to 6.2 GHz	-63.62	-63.92	-63.34	-63.65	-58.06	-5.28	
		6.2 GHz to 18 GHz	-75.00	-74.88	-75.10	-75.03	-58.06	-16.82	
		18 GHz to 40 GHz	-75.50	-75.75	-75.64	-75.51	-58.06	-17.44	
	37	30 MHz to 3530 MHz	-61.18	-61.16	-61.31	-60.99	-58.06	-2.93	
		3.72 GHz to 6.2 GHz	-63.71	-63.86	-63.97	-64.00	-58.06	-5.65	
		6.2 GHz to 18 GHz	-74.77	-75.41	-75.10	-74.66	-58.06	-16.60	
		18 GHz to 40 GHz	-74.85	-75.74	-75.64	-75.65	-58.06	-16.79	
		38	30 MHz to 3530 MHz	-60.79	-60.44	-60.69	-60.88	-58.06	-2.38
			3.72 GHz to 6.2 GHz	-63.16	-63.57	-63.35	-63.75	-58.06	-5.10
	6.2 GHz to 18 GHz		-74.39	-75.36	-74.98	-75.09	-58.06	-16.33	
		18 GHz to 40 GHz	-75.41	-75.68	-74.95	-75.70	-58.06	-16.89	
		39	30 MHz to 3530 MHz	-61.19	-61.14	-61.13	-61.21	-58.06	-3.07
			3.72 GHz to 6.2 GHz	-64.05	-63.85	-64.14	-63.84	-58.06	-5.78
	6.2 GHz to 18 GHz		-75.13	-74.06	-74.77	-74.78	-58.06	-16.00	
		18 GHz to 40 GHz	-75.33	-75.65	-75.90	-75.54	-58.06	-17.27	
		40	30 MHz to 3530 MHz	-61.24	-61.21	-61.14	-61.16	-58.06	-3.08
			3.72 GHz to 6.2 GHz	-63.81	-64.01	-64.08	-64.03	-58.06	-5.75
	6.2 GHz to 18 GHz		-75.08	-74.83	-74.60	-74.66	-58.06	-16.54	
		18 GHz to 40 GHz	-75.33	-75.45	-75.58	-75.87	-58.06	-17.27	
		41	30 MHz to 3530 MHz	-61.57	-61.39	-61.51	-61.69	-58.06	-3.33
			3.72 GHz to 6.2 GHz	-64.40	-64.66	-64.45	-64.39	-58.06	-6.33
	6.2 GHz to 18 GHz		-75.03	-74.63	-75.14	-75.04	-58.06	-16.57	
		18 GHz to 40 GHz	-75.29	-75.50	-75.66	-75.64	-58.06	-17.23	
		42	30 MHz to 3530 MHz	-60.91	-60.69	-60.87	-60.54	-58.06	-2.48
			3.72 GHz to 6.2 GHz	-63.71	-64.02	-63.92	-64.03	-58.06	-5.65
	6.2 GHz to 18 GHz		-74.87	-75.06	-74.66	-75.40	-58.06	-16.60	
		18 GHz to 40 GHz	-75.55	-75.88	-75.62	-75.38	-58.06	-17.32	
		43	30 MHz to 3530 MHz	-60.68	-61.20	-61.34	-61.08	-58.06	-2.61
			3.72 GHz to 6.2 GHz	-64.06	-64.17	-64.36	-64.35	-58.06	-6.00
	6.2 GHz to 18 GHz		-74.39	-75.15	-75.24	-75.17	-58.06	-16.33	
		18 GHz to 40 GHz	-75.51	-75.80	-75.67	-75.68	-58.06	-17.45	
		44	30 MHz to 3530 MHz	-61.17	-61.27	-61.18	-61.12	-58.06	-3.06
			3.72 GHz to 6.2 GHz	-63.96	-64.14	-63.73	-63.96	-58.06	-5.67
	6.2 GHz to 18 GHz		-75.09	-75.23	-75.20	-75.06	-58.06	-17.00	
		18 GHz to 40 GHz	-75.58	-75.53	-75.63	-75.75	-58.06	-17.47	
		45	30 MHz to 3530 MHz	-61.54	-61.72	-61.46	-61.40	-58.06	-3.34
			3.72 GHz to 6.2 GHz	-64.44	-64.36	-64.59	-64.46	-58.06	-6.30
	6.2 GHz to 18 GHz		-75.23	-74.95	-74.90	-75.27	-58.06	-16.84	
		18 GHz to 40 GHz	-75.43	-75.75	-75.55	-75.69	-58.06	-17.37	
		46	30 MHz to 3530 MHz	-60.91	-60.97	-60.75	-60.91	-58.06	-2.69
			3.72 GHz to 6.2 GHz	-64.39	-64.35	-64.16	-64.47	-58.06	-6.10
	6.2 GHz to 18 GHz		-75.19	-74.98	-74.86	-75.09	-58.06	-16.80	
		18 GHz to 40 GHz	-75.50	-75.24	-75.58	-75.39	-58.06	-17.18	
		47	30 MHz to 3530 MHz	-61.44	-61.35	-61.47	-61.63	-58.06	-3.29
			3.72 GHz to 6.2 GHz	-64.31	-64.48	-64.10	-64.21	-58.06	-6.04
	6.2 GHz to 18 GHz		-75.17	-75.11	-74.73	-75.08	-58.06	-16.67	
		18 GHz to 40 GHz	-75.12	-75.48	-75.61	-75.74	-58.06	-17.06	
		48	30 MHz to 3530 MHz	-61.47	-61.12	-61.29	-61.43	-58.06	-3.06
3.72 GHz to 6.2 GHz			-64.35	-64.43	-64.45	-64.33	-58.06	-6.27	



FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 269 of 315

		6.2 GHz to 18 GHz	-75.21	-74.91	-74.77	-74.76	-58.06	-16.70
		18 GHz to 40 GHz	-75.64	-75.42	-75.29	-75.74	-58.06	-17.23
49		30 MHz to 3530 MHz	-61.70	-61.53	-61.66	-61.36	-58.06	-3.30
		3.72 GHz to 6.2 GHz	-64.43	-64.43	-64.60	-64.26	-58.06	-6.20
		6.2 GHz to 18 GHz	-74.92	-74.72	-75.10	-75.18	-58.06	-16.66
		18 GHz to 40 GHz	-75.51	-75.77	-75.74	-75.34	-58.06	-17.28
50		30 MHz to 3530 MHz	-61.47	-61.47	-61.48	-61.44	-58.06	-3.38
		3.72 GHz to 6.2 GHz	-64.17	-64.61	-64.61	-64.75	-58.06	-6.11
		6.2 GHz to 18 GHz	-75.33	-75.25	-74.80	-75.21	-58.06	-16.74
		18 GHz to 40 GHz	-75.44	-75.69	-75.94	-75.66	-58.06	-17.38
51		30 MHz to 3530 MHz	-61.12	-61.32	-61.40	-61.14	-58.06	-3.06
		3.72 GHz to 6.2 GHz	-64.29	-64.31	-64.28	-63.88	-58.06	-5.82
		6.2 GHz to 18 GHz	-74.76	-74.59	-74.74	-75.20	-58.06	-16.53
		18 GHz to 40 GHz	-75.60	-75.42	-75.92	-75.59	-58.06	-17.36
52		30 MHz to 3530 MHz	-61.04	-61.12	-61.08	-61.14	-58.06	-2.98
		3.72 GHz to 6.2 GHz	-63.99	-64.17	-63.75	-64.18	-58.06	-5.69
		6.2 GHz to 18 GHz	-74.86	-74.96	-75.20	-75.18	-58.06	-16.80
		18 GHz to 40 GHz	-75.43	-75.29	-75.72	-75.43	-58.06	-17.23
53		30 MHz to 3530 MHz	-61.06	-61.24	-61.30	-61.40	-58.06	-3.00
		3.72 GHz to 6.2 GHz	-64.15	-64.49	-64.21	-64.44	-58.06	-6.09
		6.2 GHz to 18 GHz	-75.12	-75.24	-75.18	-75.23	-58.06	-17.06
		18 GHz to 40 GHz	-75.54	-75.59	-75.45	-75.12	-58.06	-17.06
54		30 MHz to 3530 MHz	-61.44	-61.48	-61.28	-61.40	-58.06	-3.22
		3.72 GHz to 6.2 GHz	-64.26	-64.35	-64.23	-64.32	-58.06	-6.17
		6.2 GHz to 18 GHz	-75.25	-75.11	-74.97	-75.32	-58.06	-16.91
		18 GHz to 40 GHz	-75.31	-75.29	-75.69	-75.53	-58.06	-17.23
55		30 MHz to 3530 MHz	-61.37	-61.07	-61.36	-61.22	-58.06	-3.01
		3.72 GHz to 6.2 GHz	-63.82	-63.93	-64.19	-64.23	-58.06	-5.76
		6.2 GHz to 18 GHz	-74.97	-74.93	-75.16	-75.37	-58.06	-16.87
		18 GHz to 40 GHz	-75.31	-75.45	-75.40	-75.58	-58.06	-17.25
56		30 MHz to 3530 MHz	-61.20	-61.18	-61.28	-61.22	-58.06	-3.12
		3.72 GHz to 6.2 GHz	-63.80	-64.05	-64.30	-63.98	-58.06	-5.74
		6.2 GHz to 18 GHz	-74.86	-75.30	-75.40	-74.12	-58.06	-16.06
		18 GHz to 40 GHz	-75.57	-75.51	-75.59	-75.69	-58.06	-17.45
57		30 MHz to 3530 MHz	-59.94	-59.99	-60.05	-60.00	-58.06	-1.88
		3.72 GHz to 6.2 GHz	-63.79	-64.00	-64.06	-64.01	-58.06	-5.73
		6.2 GHz to 18 GHz	-75.16	-75.04	-74.70	-74.94	-58.06	-16.64
		18 GHz to 40 GHz	-75.82	-75.68	-75.58	-75.71	-58.06	-17.52
58		30 MHz to 3530 MHz	-61.15	-61.27	-61.46	-61.51	-58.06	-3.09
		3.72 GHz to 6.2 GHz	-64.16	-64.27	-64.08	-64.51	-58.06	-6.02
		6.2 GHz to 18 GHz	-74.94	-74.66	-74.75	-75.03	-58.06	-16.60
		18 GHz to 40 GHz	-75.16	-75.43	-75.70	-75.51	-58.06	-17.10
59		30 MHz to 3530 MHz	-61.01	-60.76	-60.77	-60.92	-58.06	-2.70
		3.72 GHz to 6.2 GHz	-63.69	-63.91	-64.30	-64.05	-58.06	-5.63
		6.2 GHz to 18 GHz	-74.98	-74.53	-75.26	-74.97	-58.06	-16.47
		18 GHz to 40 GHz	-75.43	-75.63	-75.45	-75.87	-58.06	-17.37
60		30 MHz to 3530 MHz	-61.14	-61.25	-61.33	-61.11	-58.06	-3.05
		3.72 GHz to 6.2 GHz	-64.23	-64.18	-64.24	-64.25	-58.06	-6.12
		6.2 GHz to 18 GHz	-75.08	-75.10	-74.86	-75.16	-58.06	-16.80

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 270 of 315

	61	18 GHz to 40 GHz	-75.69	-75.47	-75.82	-75.57	-58.06	-17.41
		30 MHz to 3530 MHz	-61.45	-61.48	-61.17	-61.37	-58.06	-3.11
		3.72 GHz to 6.2 GHz	-64.69	-64.28	-64.13	-64.35	-58.06	-6.07
		6.2 GHz to 18 GHz	-74.81	-75.35	-75.08	-75.24	-58.06	-16.75
	62	18 GHz to 40 GHz	-75.67	-75.93	-75.67	-75.77	-58.06	-17.61
		30 MHz to 3530 MHz	-61.43	-61.36	-61.19	-61.27	-58.06	-3.13
		3.72 GHz to 6.2 GHz	-64.62	-64.32	-64.51	-64.33	-58.06	-6.26
		6.2 GHz to 18 GHz	-74.94	-74.79	-75.27	-75.21	-58.06	-16.73
	63	18 GHz to 40 GHz	-75.64	-75.71	-75.84	-75.59	-58.06	-17.53
		30 MHz to 3530 MHz	-61.36	-61.35	-61.50	-61.46	-58.06	-3.29
		3.72 GHz to 6.2 GHz	-64.30	-64.16	-64.50	-64.20	-58.06	-6.10
		6.2 GHz to 18 GHz	-74.59	-75.10	-74.83	-75.21	-58.06	-16.53
			18 GHz to 40 GHz	-74.95	-75.77	-75.53	-75.71	-58.06

Table 8-55. Conducted Spurious Emission Summary Data (NR_1C_40M_High Channel)



FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)	Page 271 of 315	

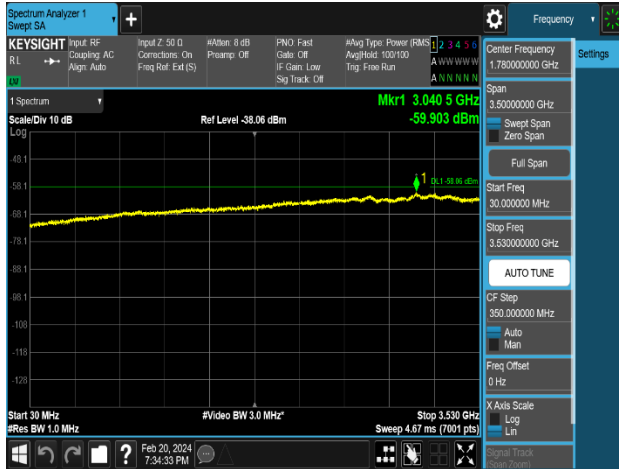
Channel	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
		NR_2C_20M+40M	NR_2C_40M+40M		
Low	30 MHz to 3530 MHz	-62.02	-61.51	-58.06	-3.45
	3.72 GHz to 6.2 GHz	-64.61	-64.62	-58.06	-6.55
	6.2 GHz to 18 GHz	-75.39	-75.37	-58.06	-17.31
	18 GHz to 40 GHz	-74.84	-74.30	-58.06	-16.24
Middle	30 MHz to 3530 MHz	-61.93	-61.44	-58.06	-3.38
	3.72 GHz to 6.2 GHz	-64.63	-64.86	-58.06	-6.57
	6.2 GHz to 18 GHz	-75.38	-75.20	-58.06	-17.14
	18 GHz to 40 GHz	-74.40	-75.08	-58.06	-16.34
High	30 MHz to 3530 MHz	-61.77	-61.65	-58.06	-3.59
	3.72 GHz to 6.2 GHz	-64.65	-64.74	-58.06	-6.59
	6.2 GHz to 18 GHz	-74.98	-75.21	-58.06	-16.92
	18 GHz to 40 GHz	-74.57	-75.27	-58.06	-16.51

Table 8-56. Conducted Spurious Emission Summary Data (NR_ Contiguous_Multicarrier)

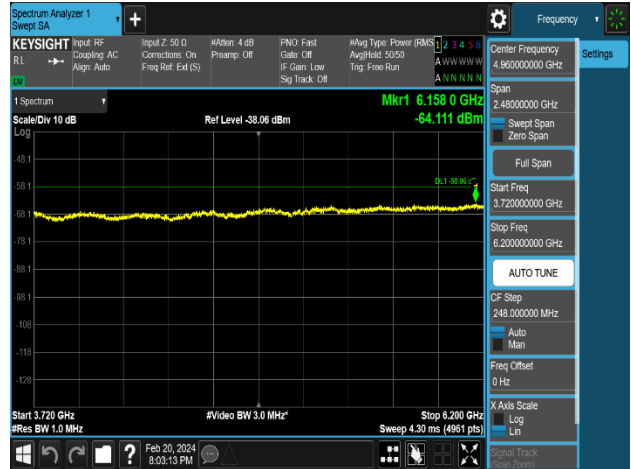
Channel	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
		NR_2C_20M+40M	NR_2C_40M+40M		
Middle	30 MHz to 3530 MHz	-61.83	-61.85	-58.06	-3.77
	3.72 GHz to 6.2 GHz	-64.48	-64.58	-58.06	-6.42
	6.2 GHz to 18 GHz	-75.39	-75.10	-58.06	-17.04
	18 GHz to 40 GHz	-74.79	-75.26	-58.06	-16.73

Table 8-57. Conducted Spurious Emission Summary Data (NR_ Non-Contiguous_Multicarrier)

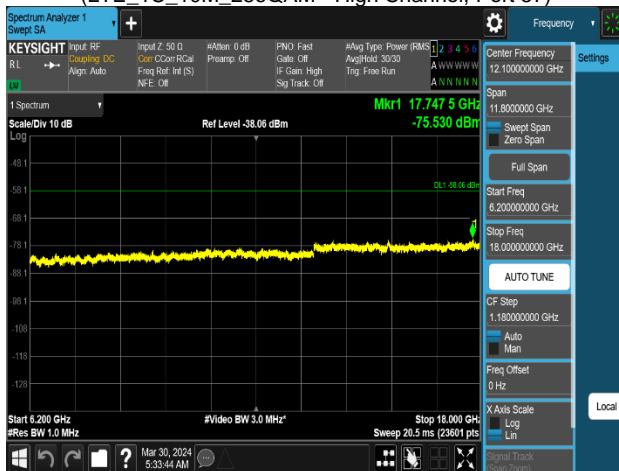
FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)			Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 272 of 315	



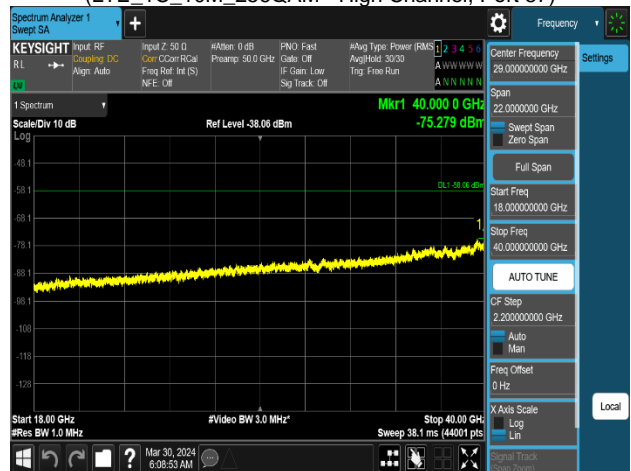
Plot 8-70. Conducted Spurious Emission Plot
30 MHz to 3.53 GHz
(LTE_1C_10M_256QAM - High Channel, Port 57)



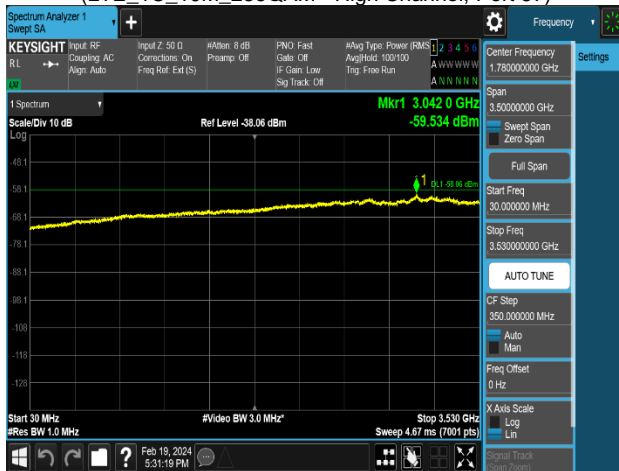
Plot 8-71. Conducted Spurious Emission Plot
3.72 GHz to 6.2 GHz
(LTE_1C_10M_256QAM - High Channel, Port 57)



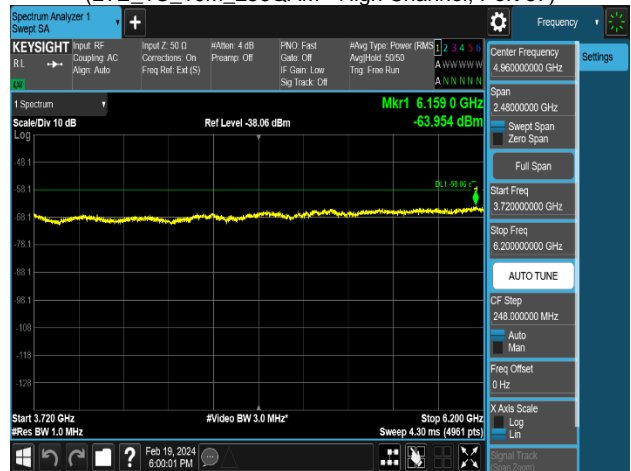
Plot 8-72. Conducted Spurious Emission Plot
6.2 GHz to 18 GHz
(LTE_1C_10M_256QAM - High Channel, Port 57)



Plot 8-73. Conducted Spurious Emission Plot
18 GHz to 40 GHz
(LTE_1C_10M_256QAM - High Channel, Port 57)

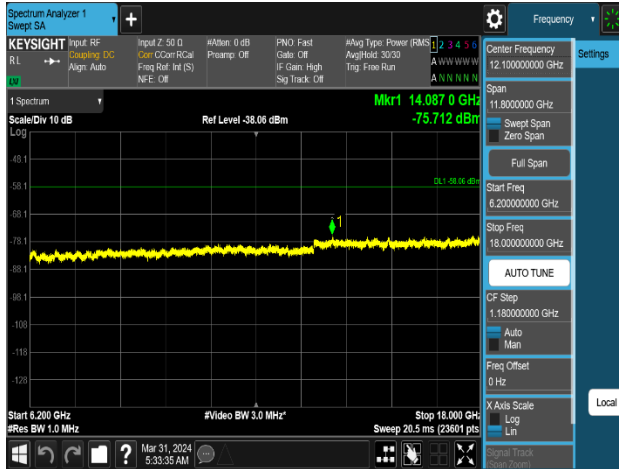


Plot 8-74. Conducted Spurious Emission Plot
30 MHz to 3.53 GHz
(LTE_1C_20M_256QAM - High Channel, Port 57)

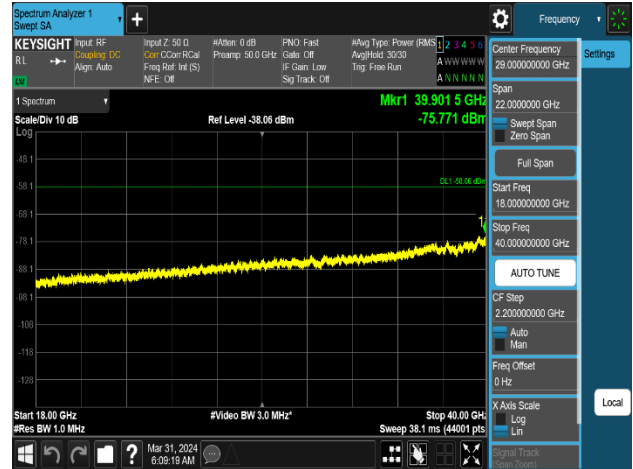


Plot 8-75. Conducted Spurious Emission Plot
3.72 GHz to 6.2 GHz
(LTE_1C_20M_256QAM - High Channel, Port 57)

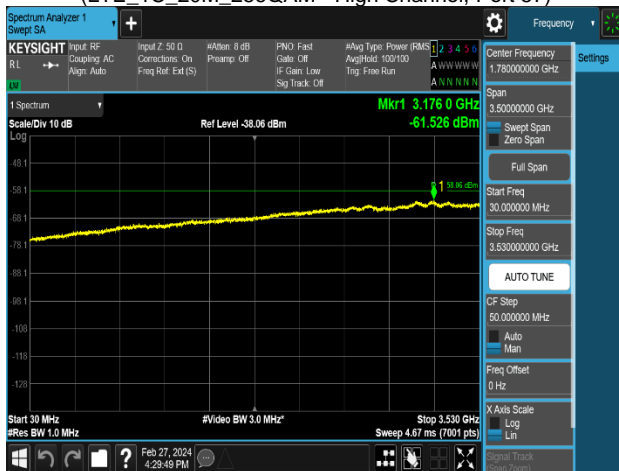
FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 - 04/02/2024	EUT Type: MMU (MT6402)		Page 273 of 315



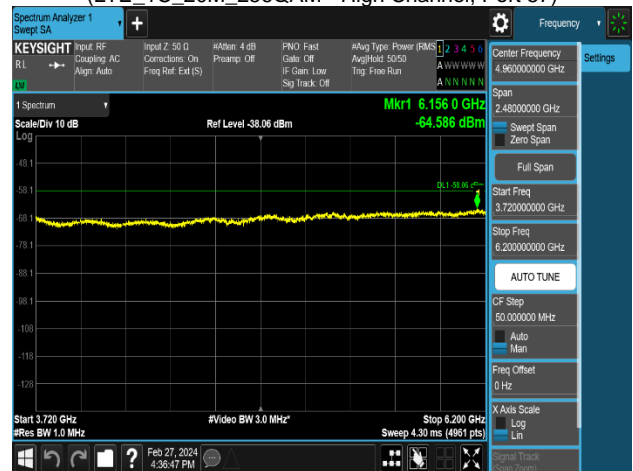
Plot 8-76. Conducted Spurious Emission Plot
6.2 GHz to 18 GHz
(LTE_1C_20M_256QAM - High Channel, Port 57)



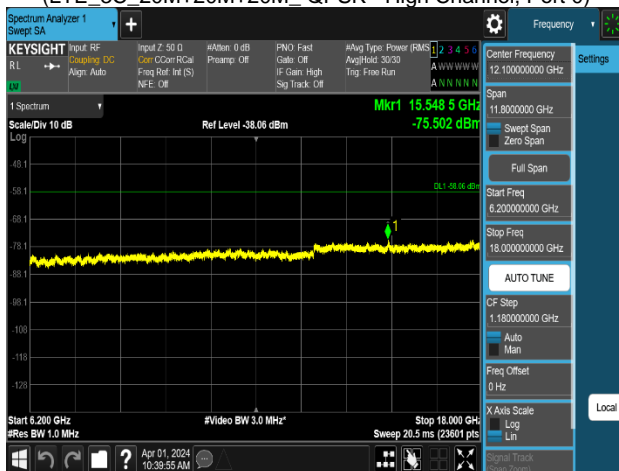
Plot 8-77. Conducted Spurious Emission Plot
18 GHz to 40 GHz
(LTE_1C_20M_256QAM - High Channel, Port 57)



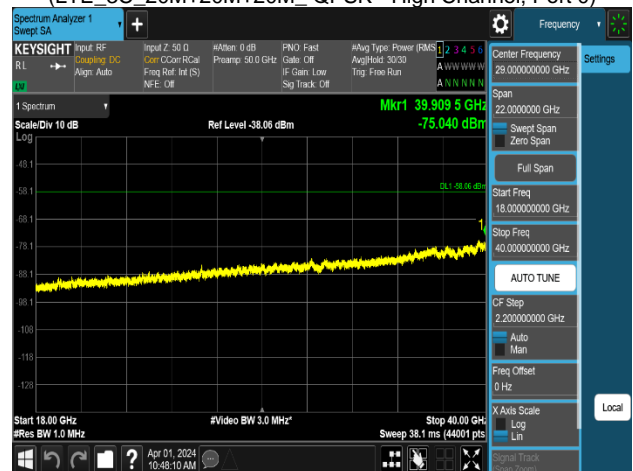
Plot 8-78. Conducted Spurious Emission Plot
30 MHz to 3.53 GHz
(LTE_3C_20M+20M+20M_QPSK - High Channel, Port 0)



Plot 8-79. Conducted Spurious Emission Plot
3.72 GHz to 6.2 GHz
(LTE_3C_20M+20M+20M_QPSK - High Channel, Port 0)

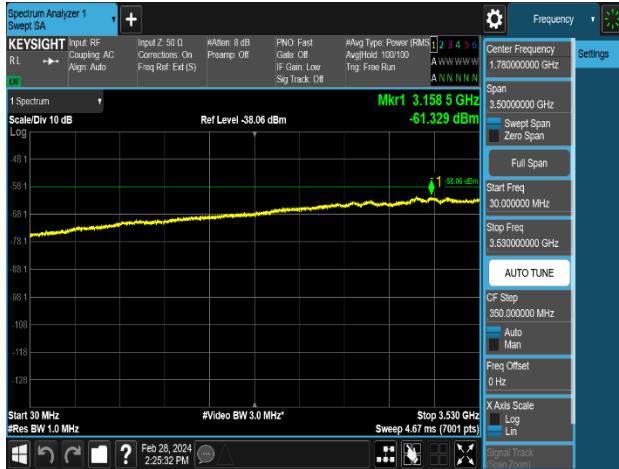


Plot 8-80. Conducted Spurious Emission Plot
6.2 GHz to 18 GHz
(LTE_3C_20M+20M+20M_QPSK - High Channel, Port 0)

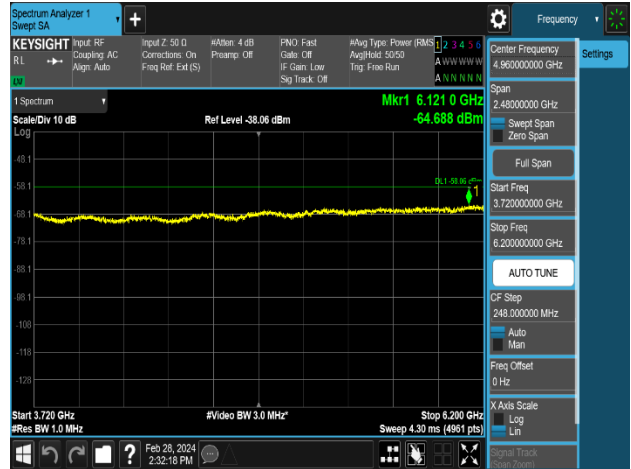


Plot 8-81. Conducted Spurious Emission Plot
18 GHz to 40 GHz
(LTE_3C_20M+20M+20M_QPSK - High Channel, Port 0)

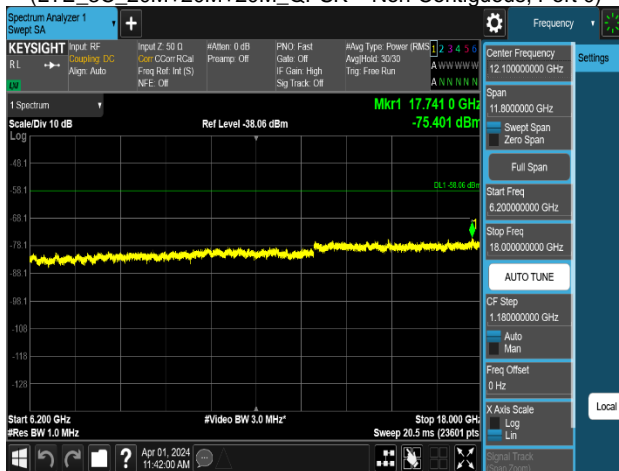
FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 - 04/02/2024	EUT Type: MMU (MT6402)		Page 274 of 315



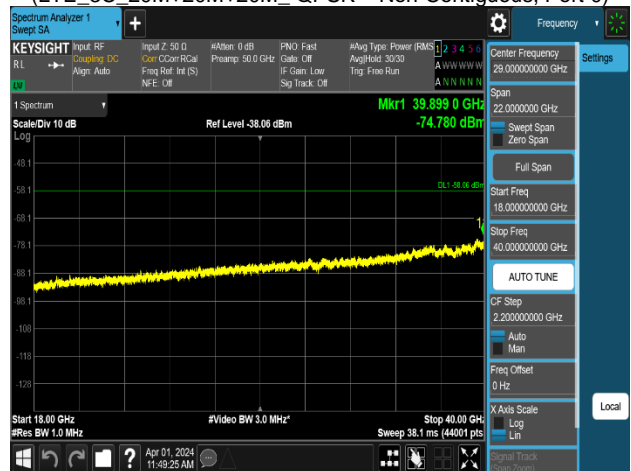
Plot 8-82. Conducted Spurious Emission Plot
30 MHz to 3.53 GHz
(LTE_3C_20M+20M+20M_QPSK – Non-Contiguous, Port 0)



Plot 8-83. Conducted Spurious Emission Plot
3.72 GHz to 6.2 GHz
(LTE_3C_20M+20M+20M_QPSK – Non-Contiguous, Port 0)



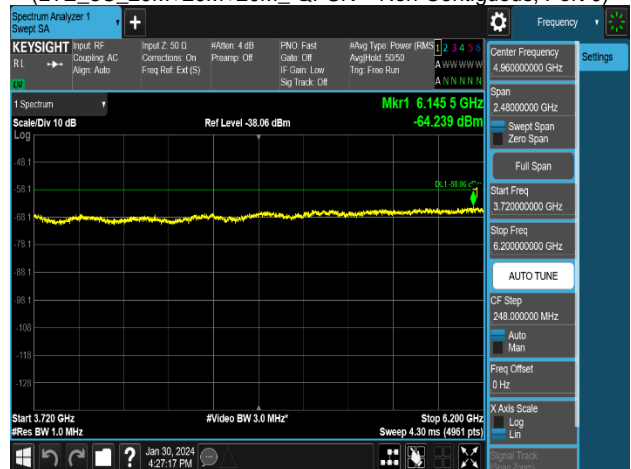
Plot 8-84. Conducted Spurious Emission Plot
6.2 GHz to 18 GHz
(LTE_3C_20M+20M+20M_QPSK – Non-Contiguous, Port 0)



Plot 8-85. Conducted Spurious Emission Plot
18 GHz to 40 GHz
(LTE_3C_20M+20M+20M_QPSK – Non-Contiguous, Port 0)

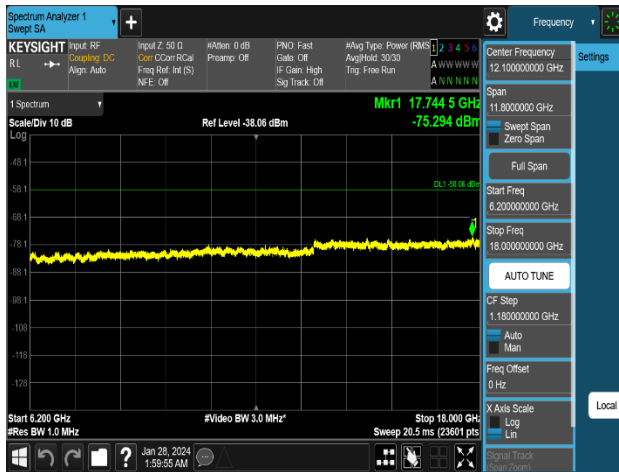


Plot 8-86. Conducted Spurious Emission Plot
30 MHz to 3.53 GHz
(NR_1C_20M_16QAM - High Channel, Port 57)

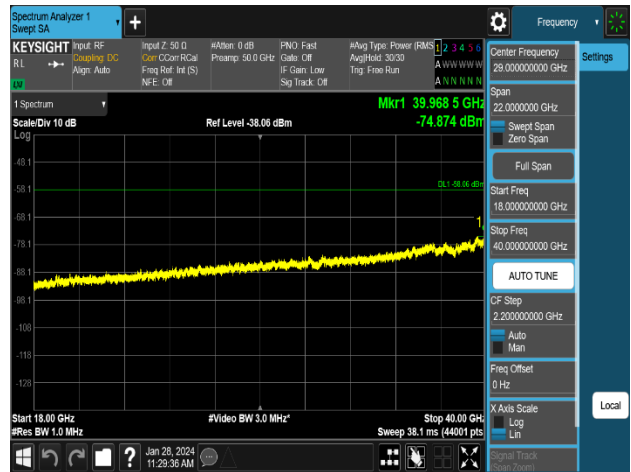


Plot 8-87. Conducted Spurious Emission Plot
3.72 GHz to 6.2 GHz
(NR_1C_20M_16QAM - High Channel, Port 57)

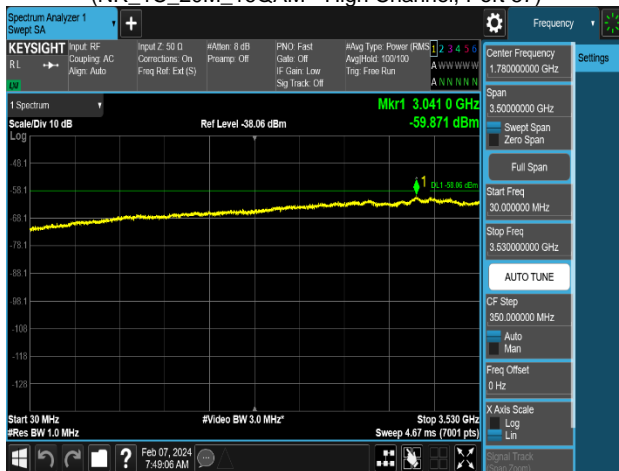
FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 275 of 315



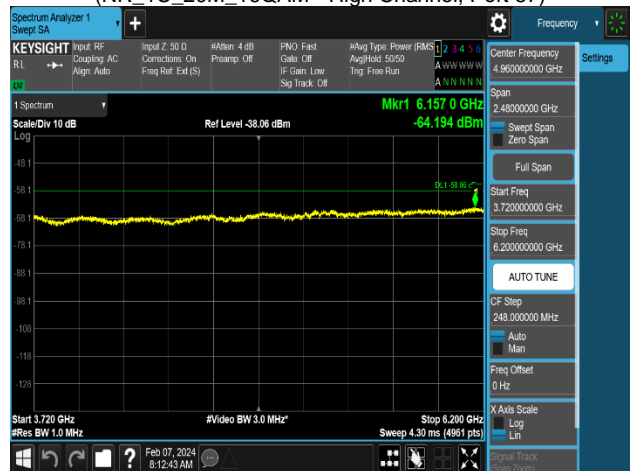
Plot 8-88. Conducted Spurious Emission Plot
6.2 GHz to 18 GHz
(NR_1C_20M_16QAM - High Channel, Port 57)



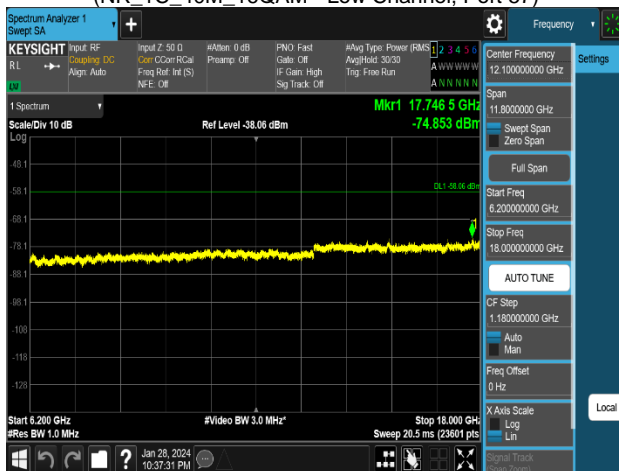
Plot 8-89. Conducted Spurious Emission Plot
18 GHz to 40 GHz
(NR_1C_20M_16QAM - High Channel, Port 57)



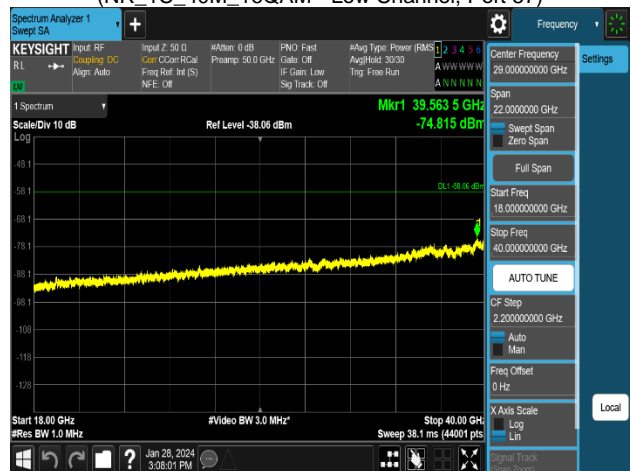
Plot 8-90. Conducted Spurious Emission Plot
30 MHz to 3.53 GHz
(NR_1C_40M_16QAM - Low Channel, Port 57)



Plot 8-91. Conducted Spurious Emission Plot
3.72 GHz to 6.2 GHz
(NR_1C_40M_16QAM - Low Channel, Port 57)

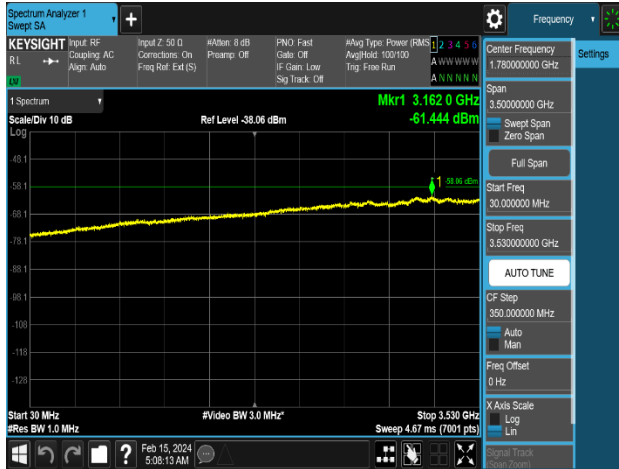


Plot 8-92. Conducted Spurious Emission Plot
6.2 GHz to 18 GHz
(NR_1C_40M_16QAM - Low Channel, Port 57)

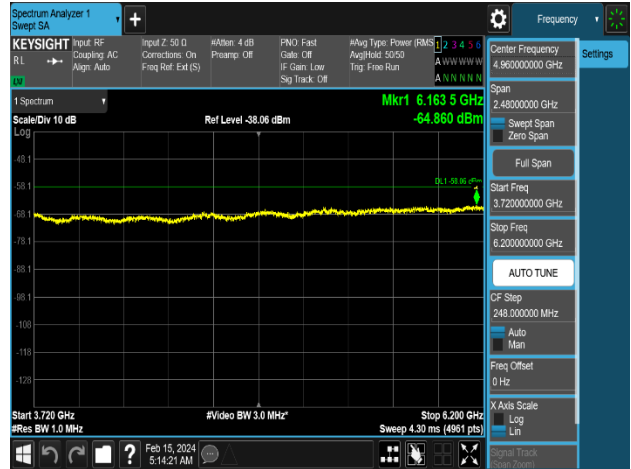


Plot 8-93. Conducted Spurious Emission Plot
18 GHz to 40 GHz
(NR_1C_40M_16QAM - Low Channel, Port 57)

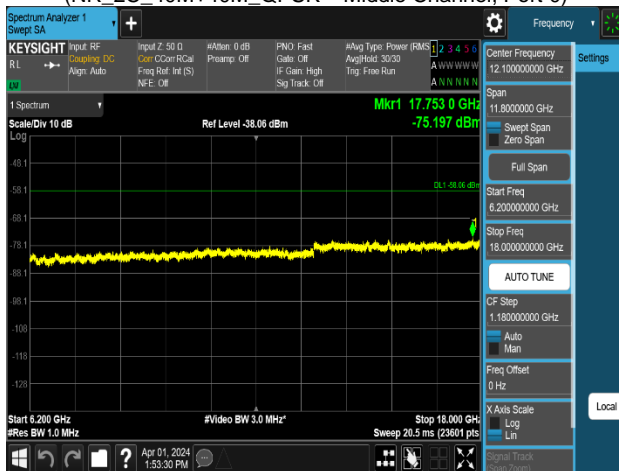
FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 276 of 315



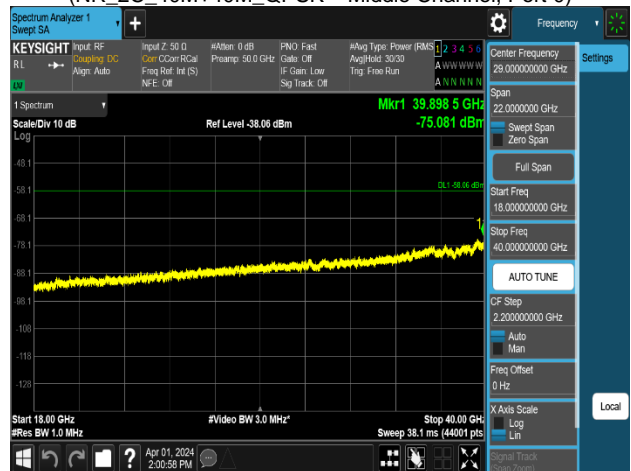
Plot 8-94. Conducted Spurious Emission Plot
30 MHz to 3.53 GHz
(NR_2C_40M+40M_QPSK – Middle Channel, Port 0)



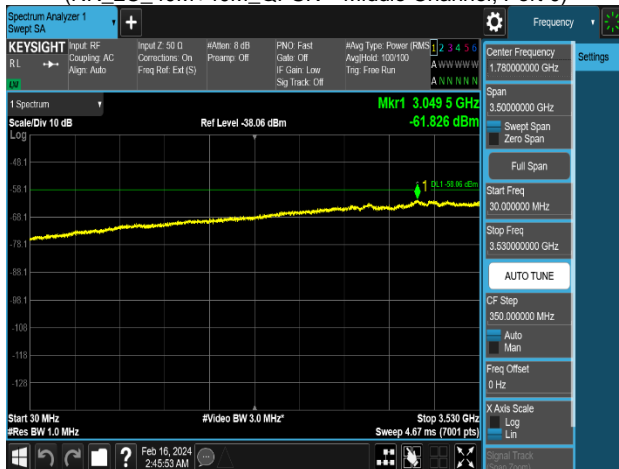
Plot 8-95. Conducted Spurious Emission Plot
3.72 GHz to 6.2 GHz
(NR_2C_40M+40M_QPSK – Middle Channel, Port 0)



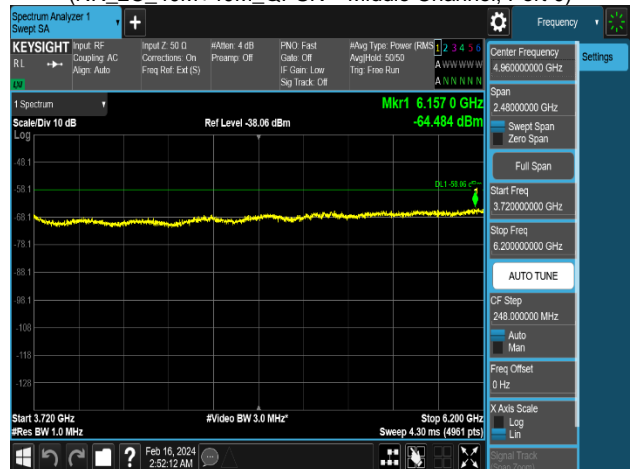
Plot 8-96. Conducted Spurious Emission Plot
6.2 GHz to 18 GHz
(NR_2C_40M+40M_QPSK – Middle Channel, Port 0)



Plot 8-97. Conducted Spurious Emission Plot
18 GHz to 40 GHz
(NR_2C_40M+40M_QPSK – Middle Channel, Port 0)

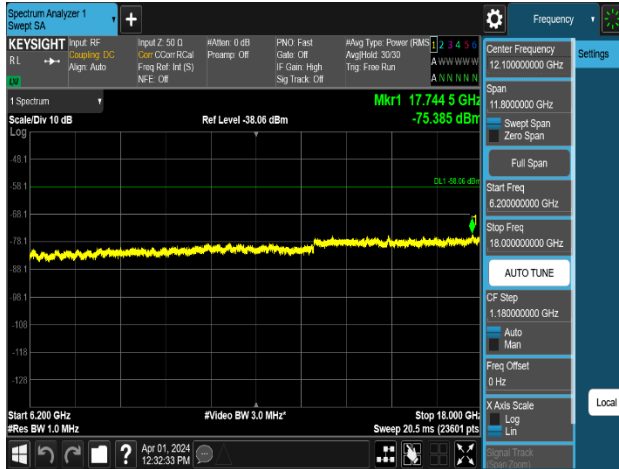


Plot 8-98. Conducted Spurious Emission Plot
30 MHz to 3.53 GHz
(NR_2C_20M+40M_QPSK – Non-Contiguous, Port 0)

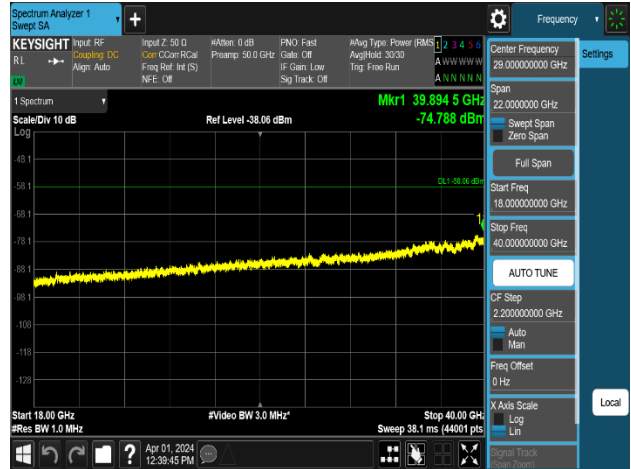


Plot 8-99. Conducted Spurious Emission Plot
3.72 GHz to 6.2 GHz
(NR_2C_20M+40M_QPSK – Non-Contiguous, Port 0)

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 277 of 315



Plot 8-100. Conducted Spurious Emission Plot
6.2 GHz to 18 GHz
(NR_2C_20M+40M_QPSK – Non-Contiguous, Port 0)



Plot 8-101. Conducted Spurious Emission Plot
18 GHz to 40 GHz
(NR_2C_20M+40M_QPSK – Non-Contiguous, Port 0)

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 278 of 315

8.8 Radiated spurious emission

Test Overview

Radiated spurious emissions measurements are performed using the field strength method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically and horizontally polarized broadband tri-log antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas.

Test Procedure Used

ANSI C63.26 - Section 5.5.4
KDB 971168 D01 v03r01 - Section 7



Test Setting

1. Start frequency was set to 30 MHz and stop frequency was set to at least 10 * the fundamental frequency
2. RBW = 1 MHz
3. VBW \geq 3 x RBW
4. No. of sweep points \geq 2 x span / RBW
5. Detector = RMS
6. Trace mode = Max Hold (In cases where the level is within 2 dB of the limit, the final measurement is taken using triggering/gating and trace averaging.)
7. The trace was allowed to stabilize.

Limit

§ 96.41 (e)

- Any emission below 3530 MHz and above 3720 MHz \leq -40 dBm/MHz

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 279 of 315

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

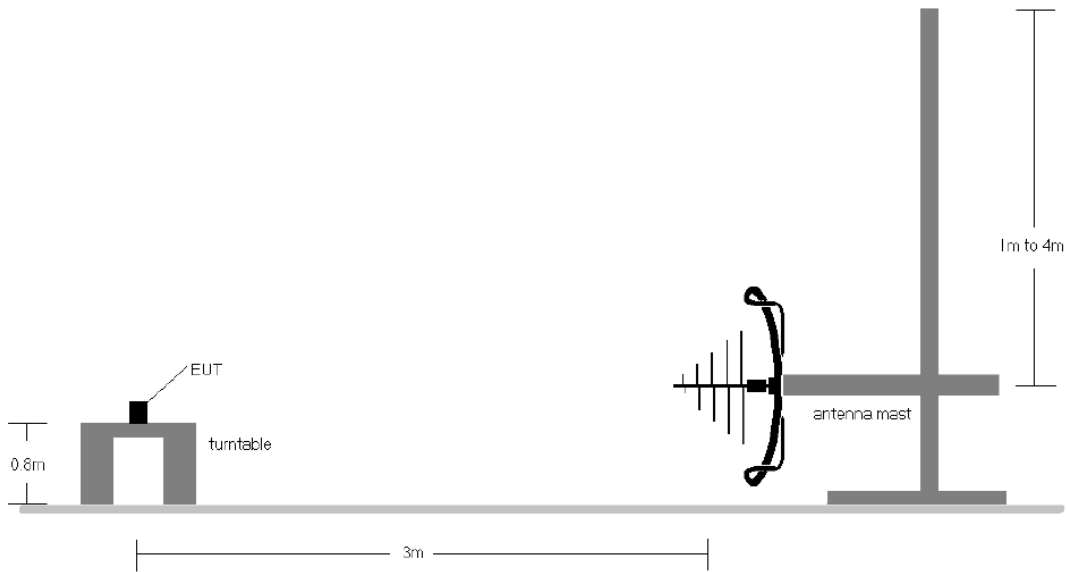


Figure 8-7. Test Instrument & Measurement Setup < 1GHz

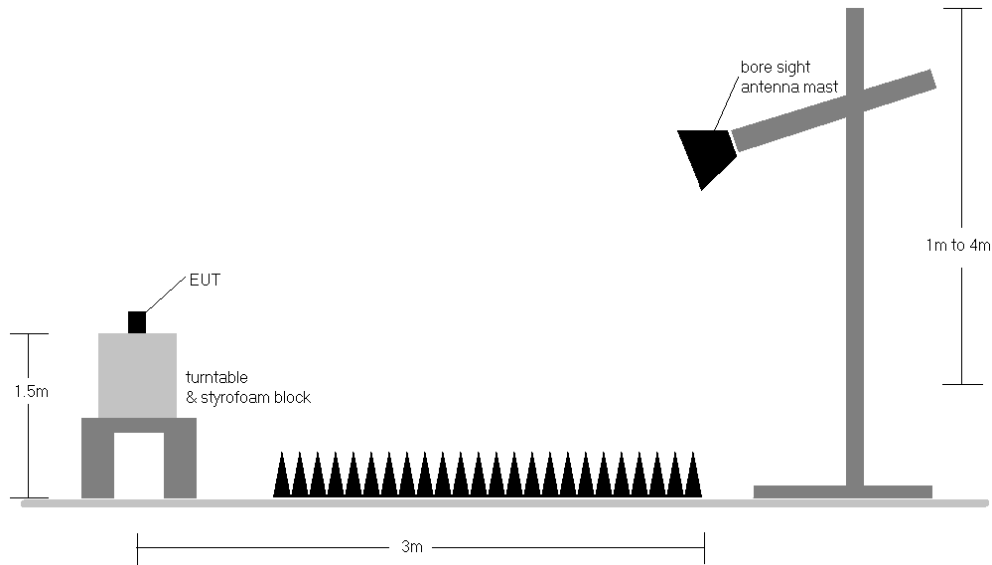


Figure 8-8. Test Instrument & Measurement Setup > 1GHz

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 280 of 315

Test Notes

1. The average EIRP reported below is calculated per 5.2.7 of ANSI C63.26-2015 which states:

The measured e.i.r.p is converted to E-field in V/m. Then the distance correction is applied before converted back to calculated e.i.r.p.as explained in KDB 971168 D01 D01 v03r01.

Effective Isotropic Radiated Power Sample Calculation

Field Strength [dBμV/m] = Measured Value [dBm] + AFCL [dB/m] + 107
 = -69.29 dBm + 10.26 dBm + 107 = 47.97 dBμV/m



e.i.r.p. [dBm] = E[dB μV/m] + 20 log₁₀(d[m]) - 104.8
 = 47.97 + (20*log (3)) - 104.8
 = -47.29 dBm e.i.r.p.

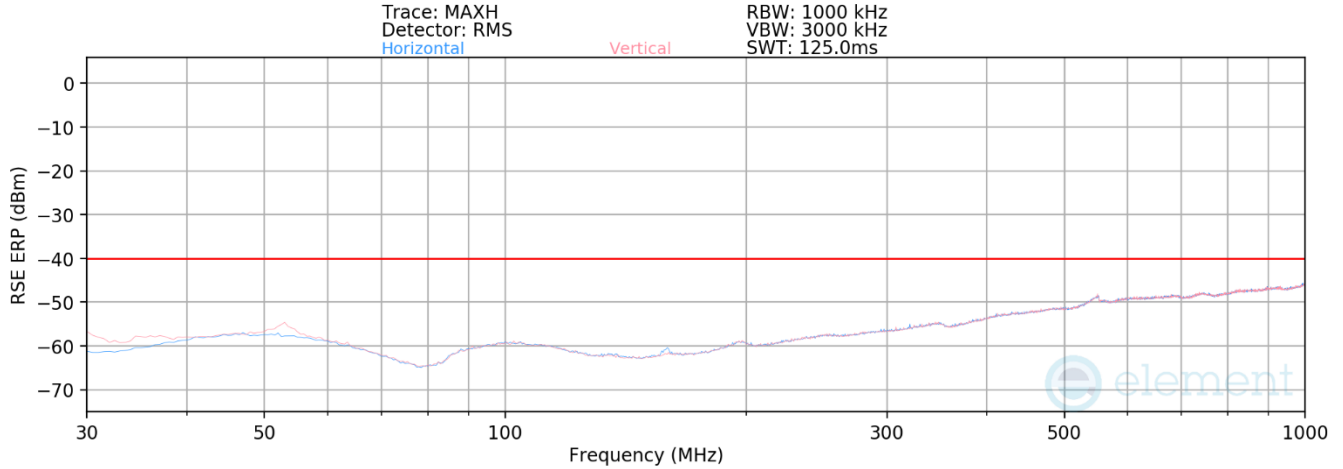
*AFCL (dB/m) contains measurement antenna factor(dB/m) and cable loss(dB) as below:

Frequency [MHz]	Antenna Factor (dB/m)	Chamber measurement cable loss + amplifier [dB]	AFCL (dB/m)
10183.5	37.93	-27.66	10.26
10212.4	37.91	-25.73	10.19

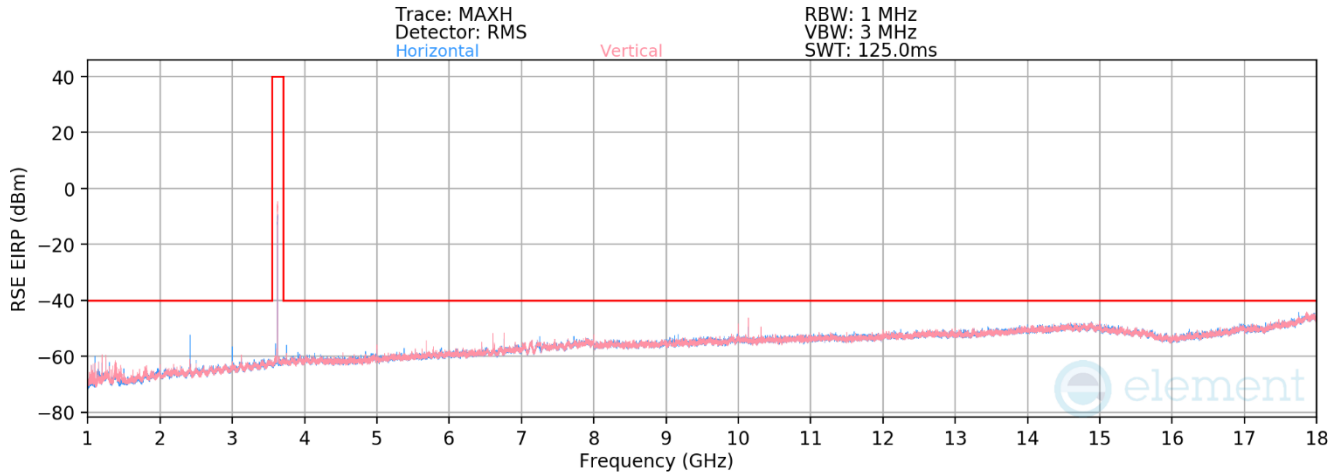
Table 8-34. Adopted AFCL value in the calculation

2. The EUT was tested in both horizontal and vertical antenna polarizations and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, channel bandwidth configurations shown in the tables below.
3. The spectrum is measured from 30 MHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
4. All emissions were measured at a 3-meter test distance.
5. Spurious emissions were measured with all EUT antennas transmitting simultaneously and all antenna ports terminated.
6. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)	Page 281 of 315	



Plot 8-102. Radiated spurious emission Plot_30 MHz to 1000 MHz (LTE_1C_10M_QPSK - Mid Channel)

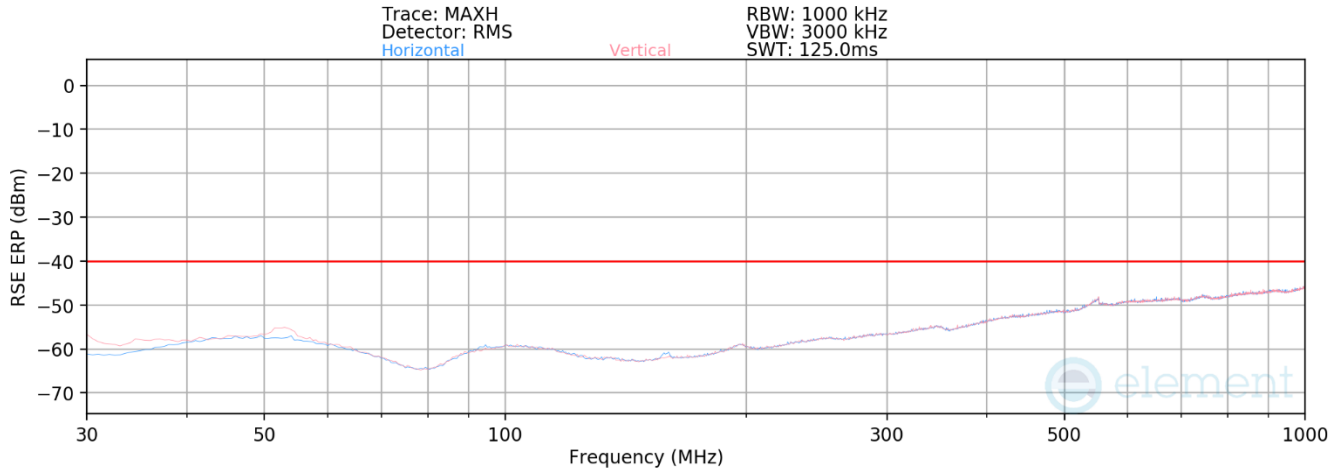


Plot 8-103. Radiated spurious emission Plot_1 GHz to 18 GHz (LTE_1C_10M_QPSK - Mid Channel)

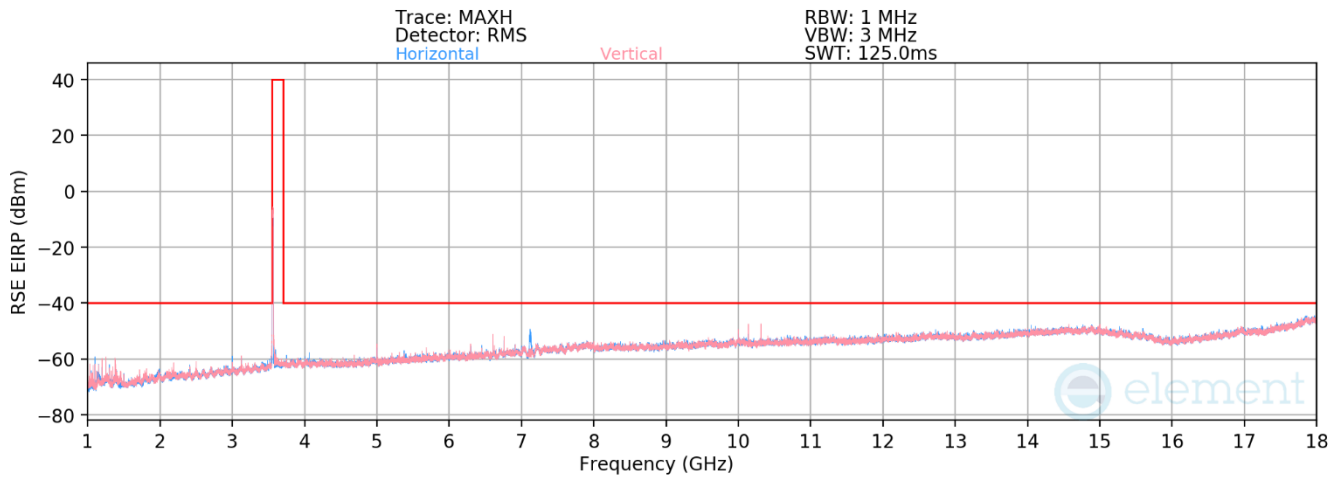


Plot 8-104. Radiated spurious emission Plot_18 GHz to 40 GHz (LTE_1C_10M_QPSK - Mid Channel)

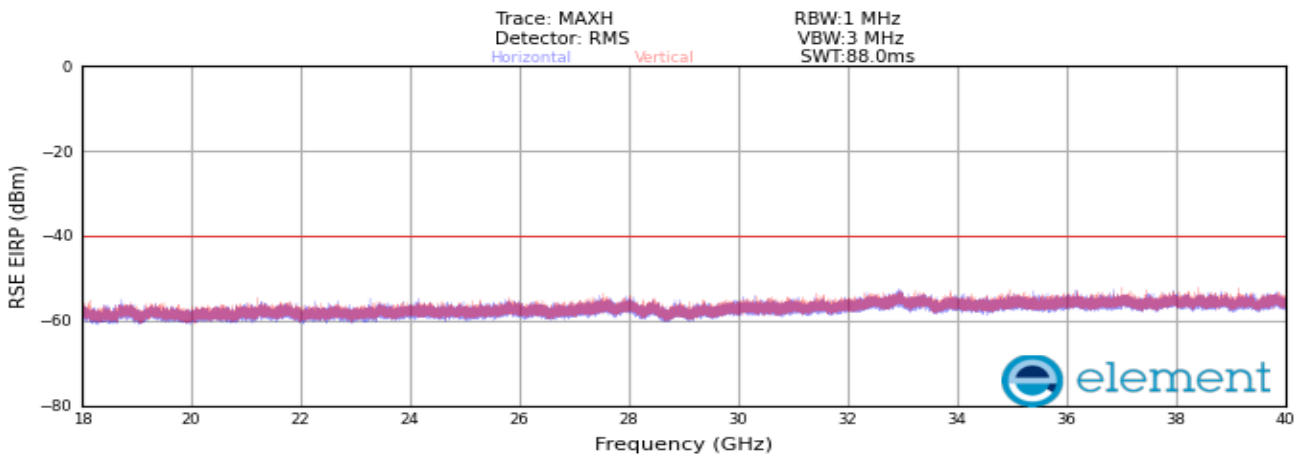
FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 282 of 315



Plot 8-105. Radiated spurious emission Plot_30 MHz to 1000 MHz (LTE_1C_20M_QPSK - Low Channel)

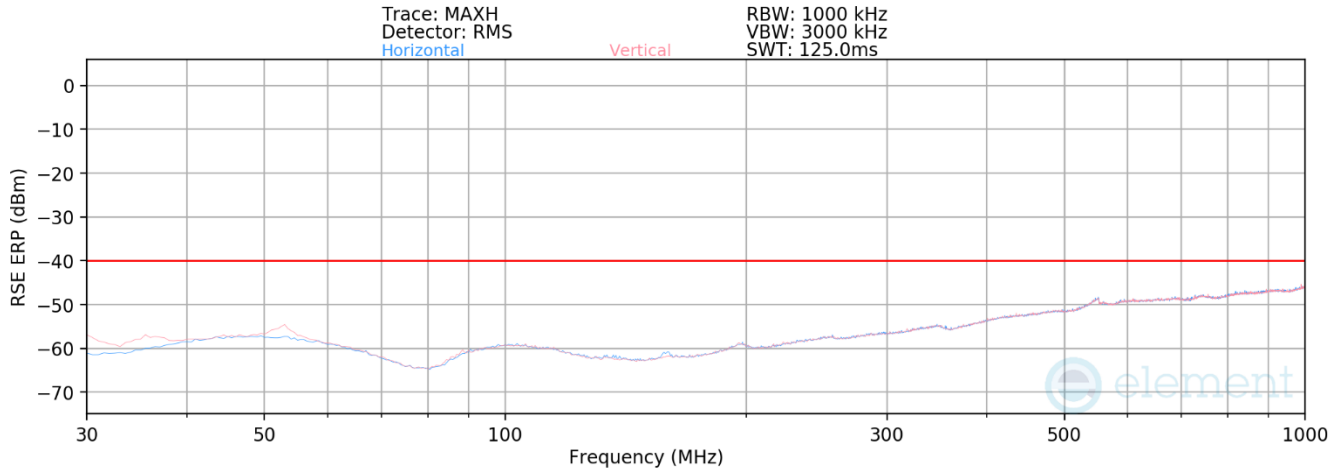


Plot 8-106. Radiated spurious emission Plot_1 GHz to 18 GHz (LTE_1C_20M_QPSK - Low Channel)

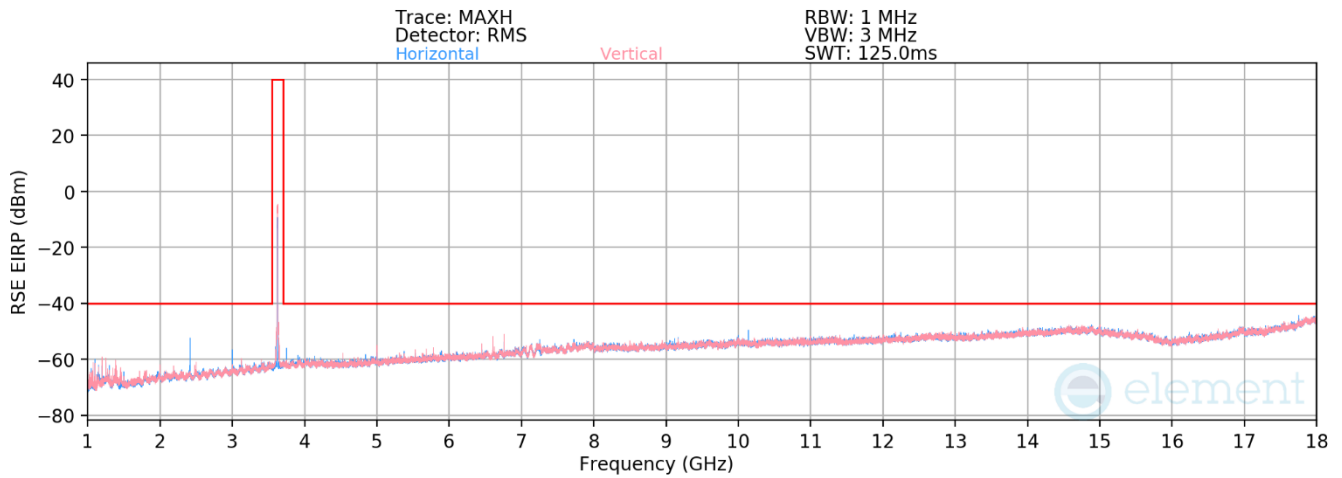


Plot 8-107. Radiated spurious emission Plot_18 GHz to 40 GHz (LTE_1C_20M_QPSK - Low Channel)

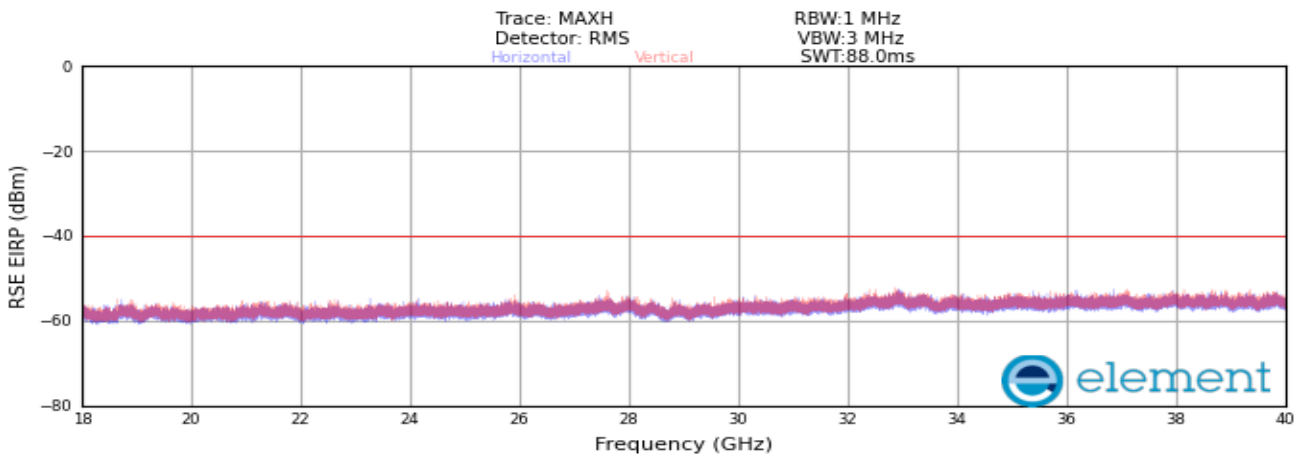
FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 283 of 315



**Plot 8-108. Radiated spurious emission Plot_30 MHz to 1000 MHz
(LTE_1C_20M_QPSK - Mid Channel)**

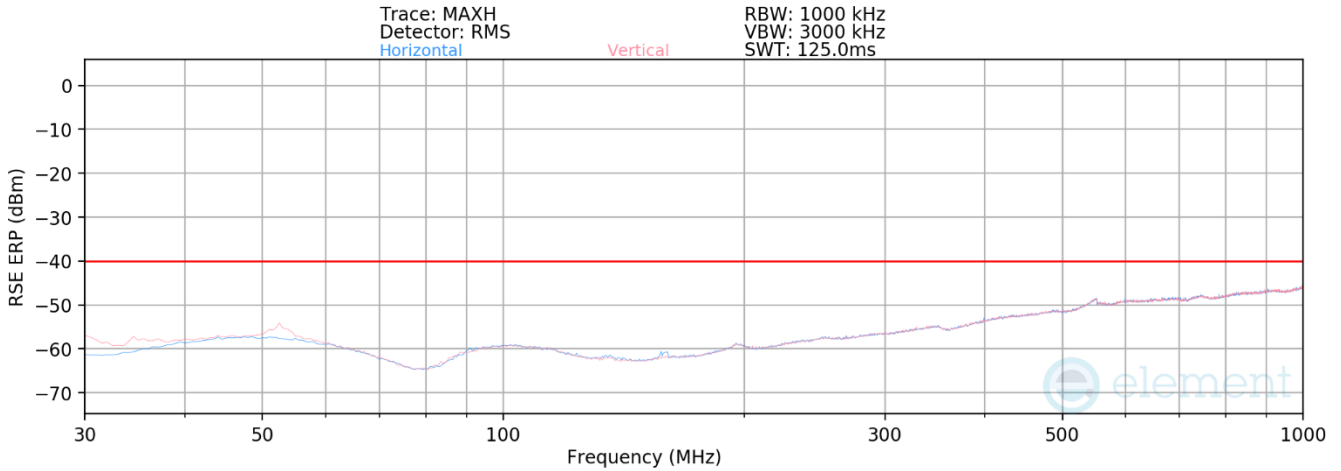


**Plot 8-109. Radiated spurious emission Plot_1 GHz to 18 GHz
(LTE_1C_20M_QPSK - Mid Channel)**

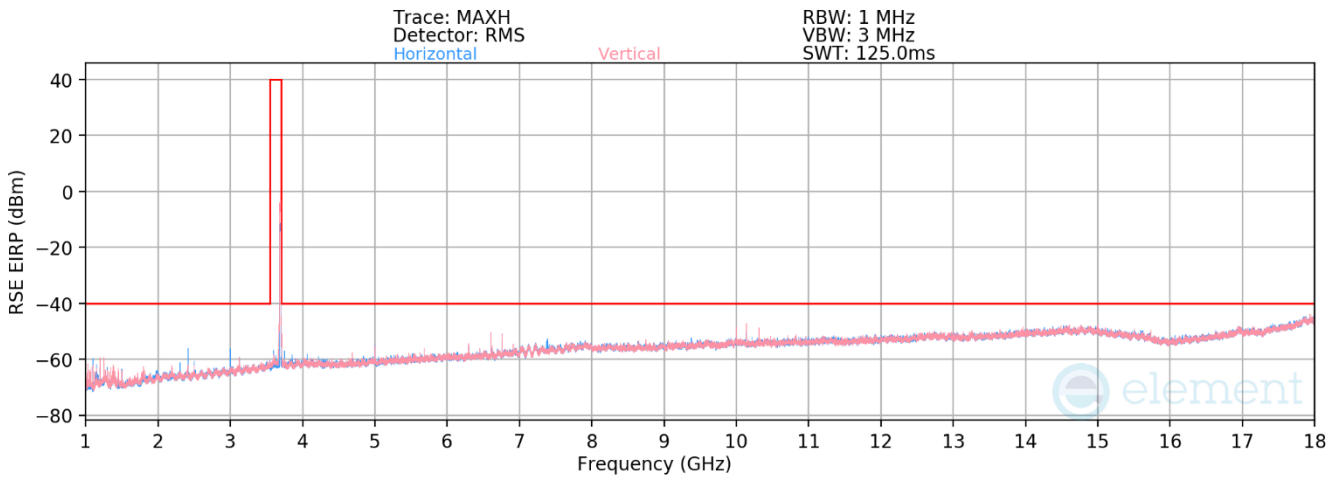


**Plot 8-110. Radiated spurious emission Plot_18 GHz to 40 GHz
(LTE_1C_20M_QPSK - Mid Channel)**

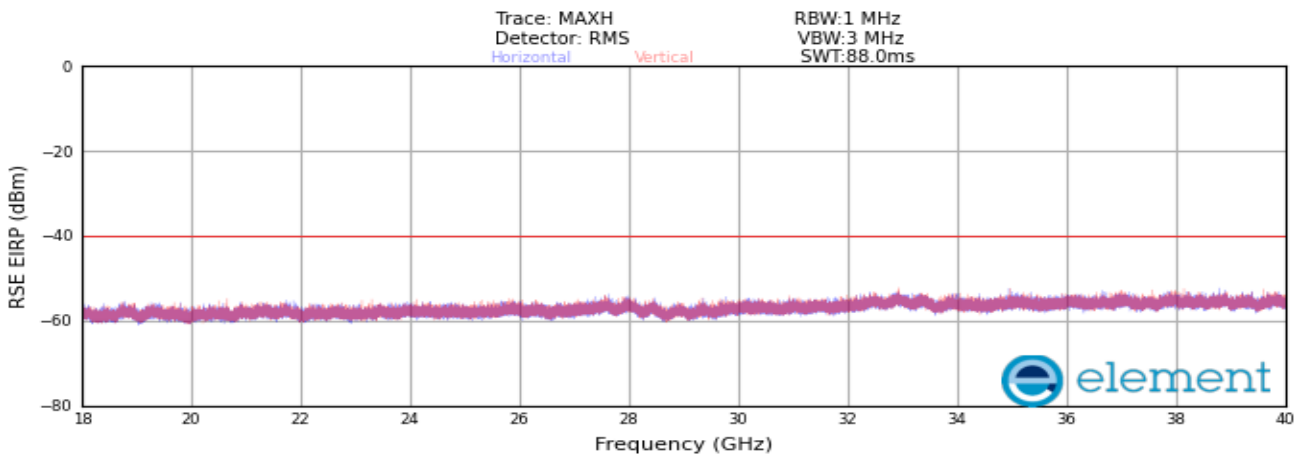
FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 284 of 315



Plot 8-111. Radiated spurious emission Plot_30 MHz to 1000 MHz (LTE_1C_20M_QPSK - High Channel)

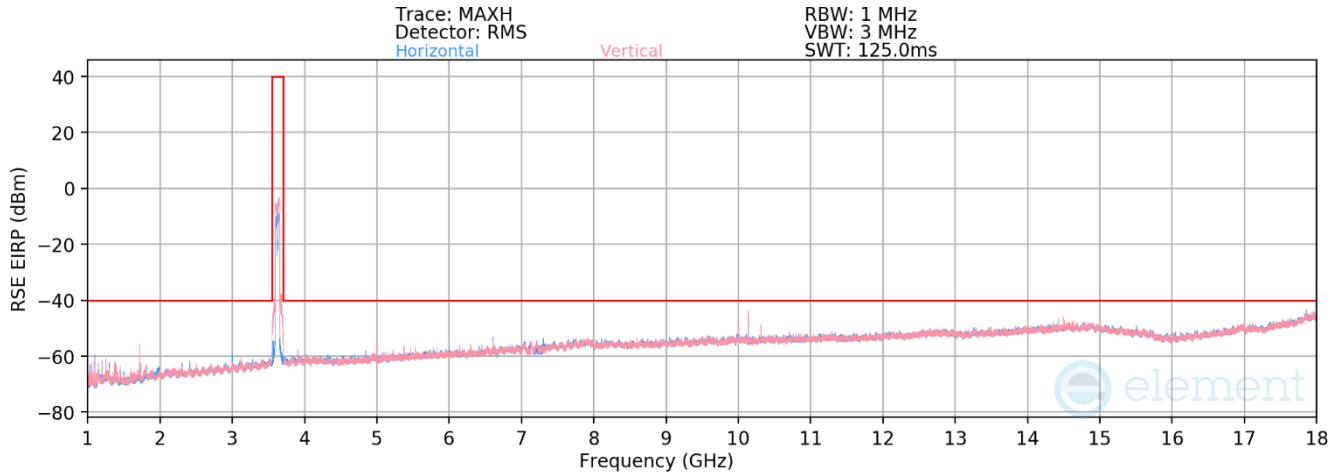


Plot 8-112. Radiated spurious emission Plot_1 GHz to 18 GHz (LTE_1C_20M_QPSK - High Channel)

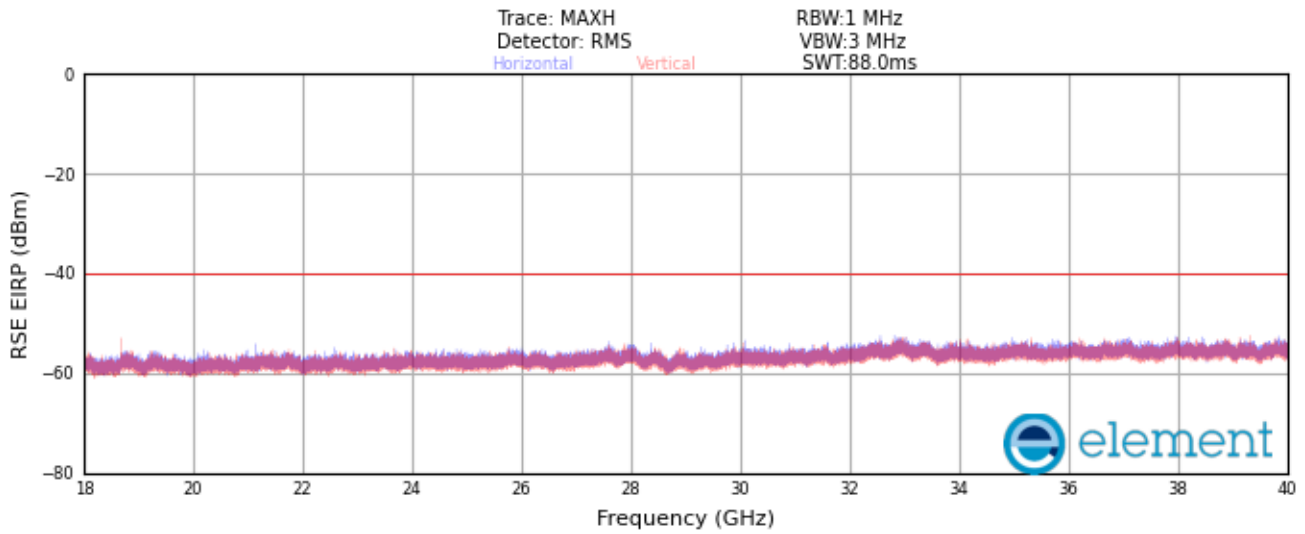


Plot 8-113. Radiated spurious emission Plot_18 GHz to 40 GHz (LTE_1C_20M_QPSK - High Channel)

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 285 of 315

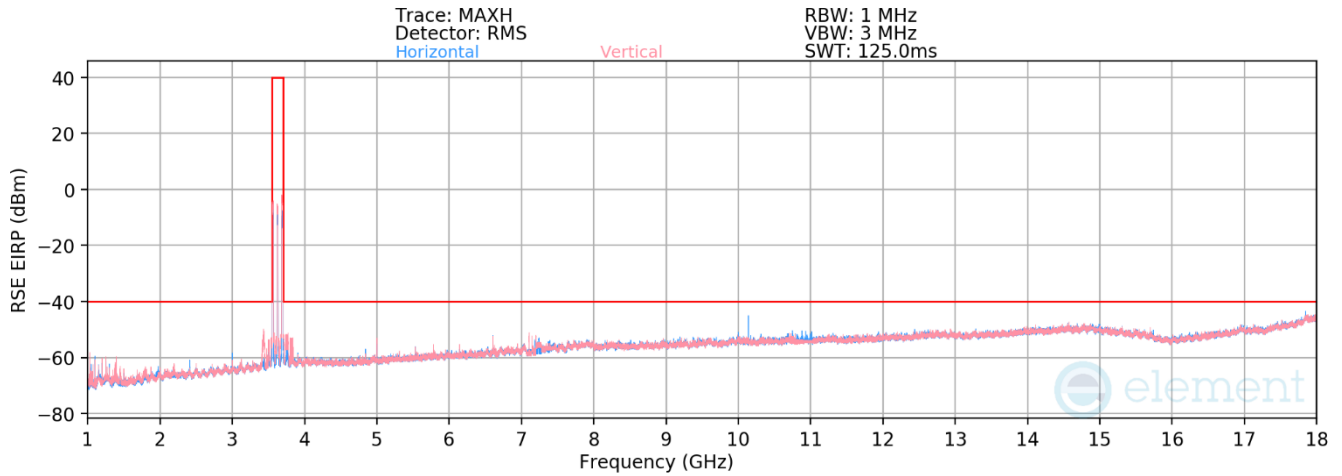


**Plot 8-114. Radiated spurious emission Plot_1 GHz to 18 GHz
(LTE_3C_20M+20M+20M_QPSK - Mid Channel)**

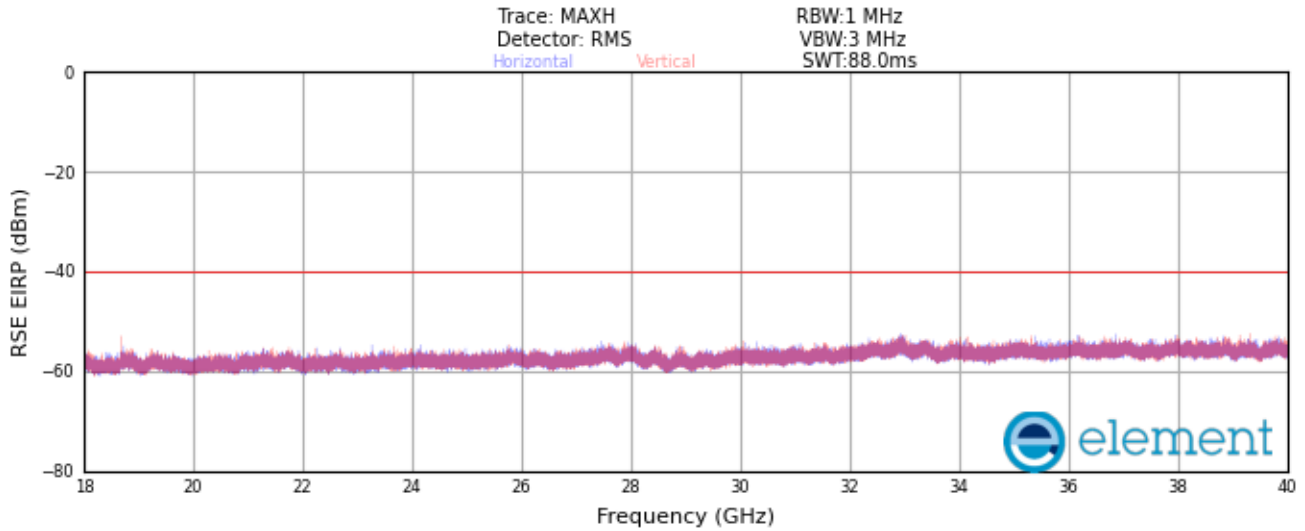


**Plot 8-115. Radiated spurious emission Plot_18 GHz to 40 GHz
(LTE_3C_20M+20M+20M_QPSK - Mid Channel)**



FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 286 of 315

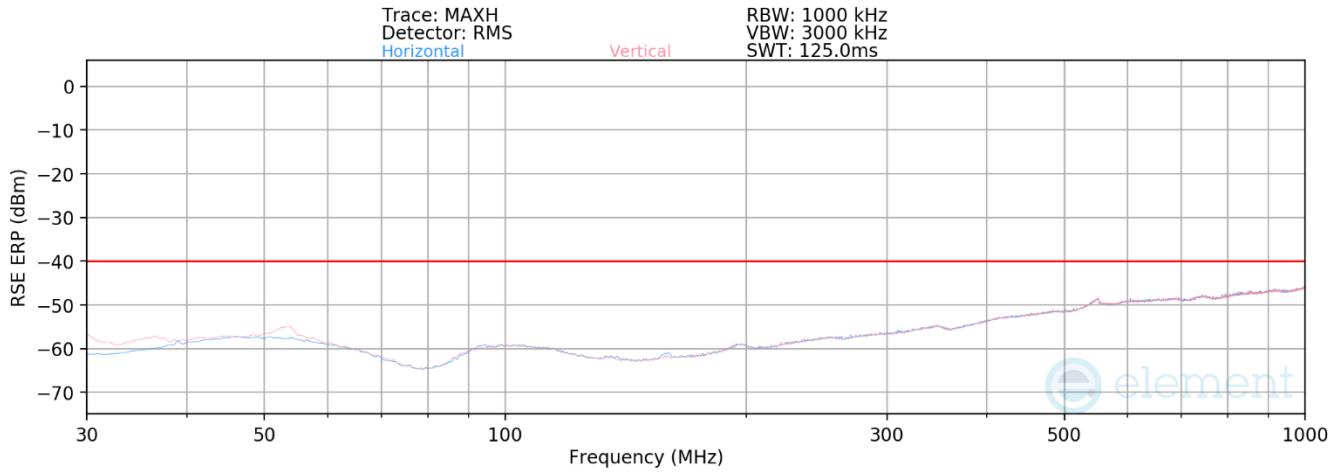


**Plot 8-116. Radiated spurious emission Plot_1 GHz to 18 GHz
(LTE_3NC_20M+20M+20M_QPSK - Mid Channel)**

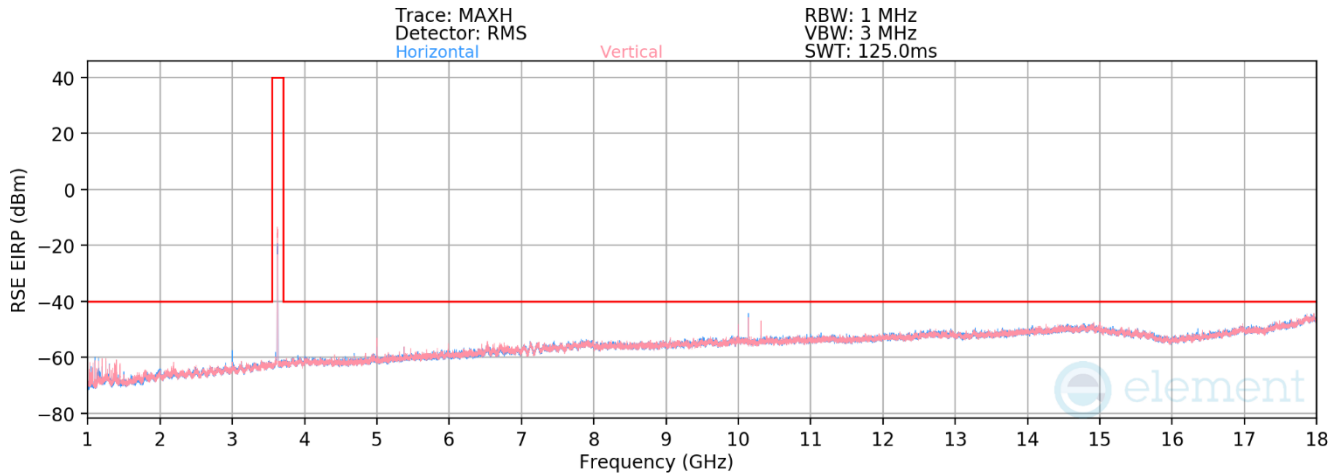


**Plot 8-117. Radiated spurious emission Plot_18 GHz to 40 GHz
(LTE_3NC_20M+20M+20M_QPSK - Mid Channel)**

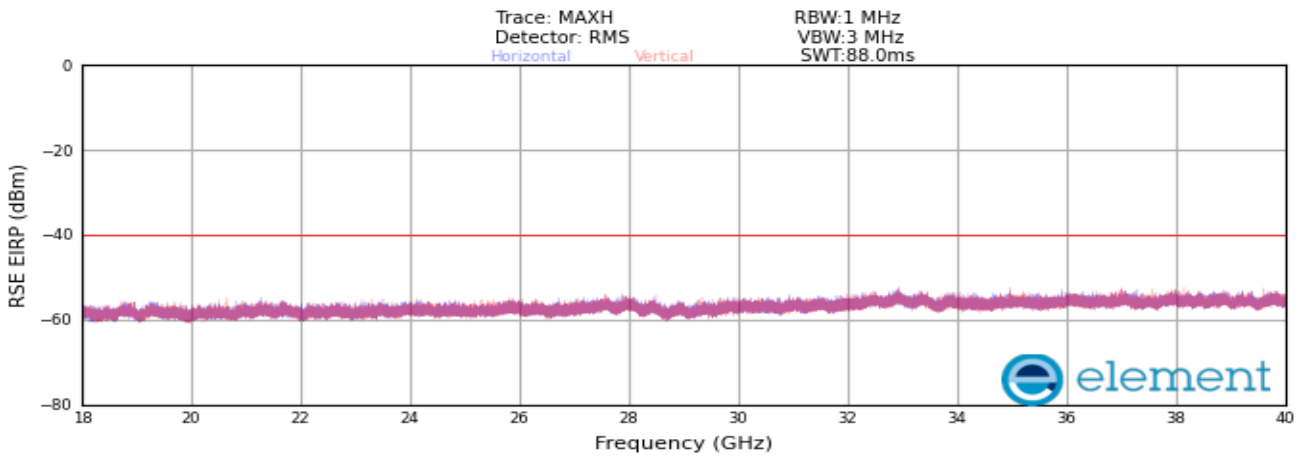
FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 287 of 315



Plot 8-118. Radiated spurious emission Plot_30 MHz to 1000 MHz (NR_1C_20M_QPSK - Mid Channel)

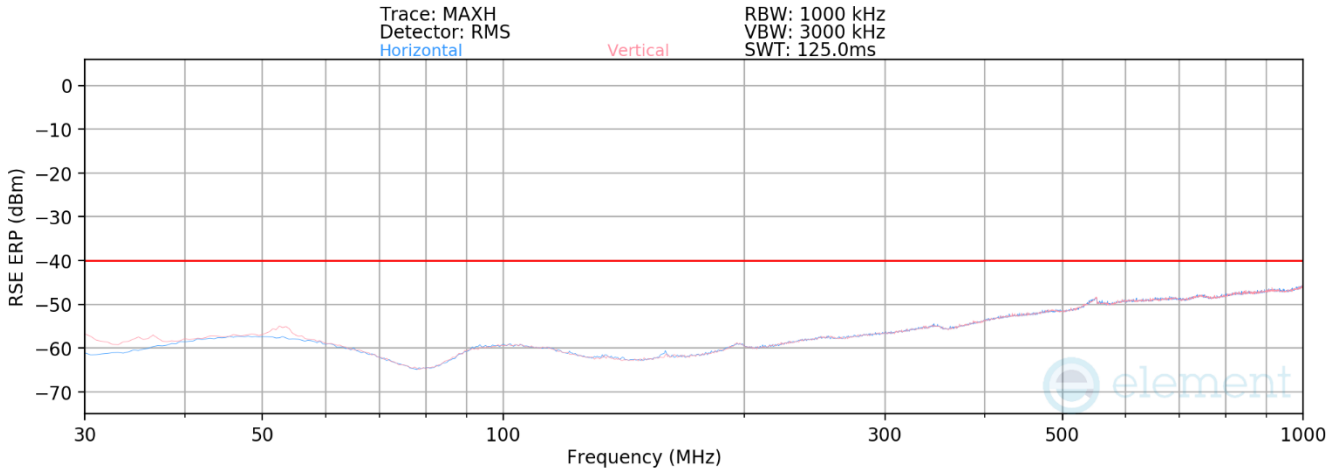


Plot 8-119. Radiated spurious emission Plot_1 GHz to 18 GHz (NR_1C_20M_QPSK - Mid Channel)

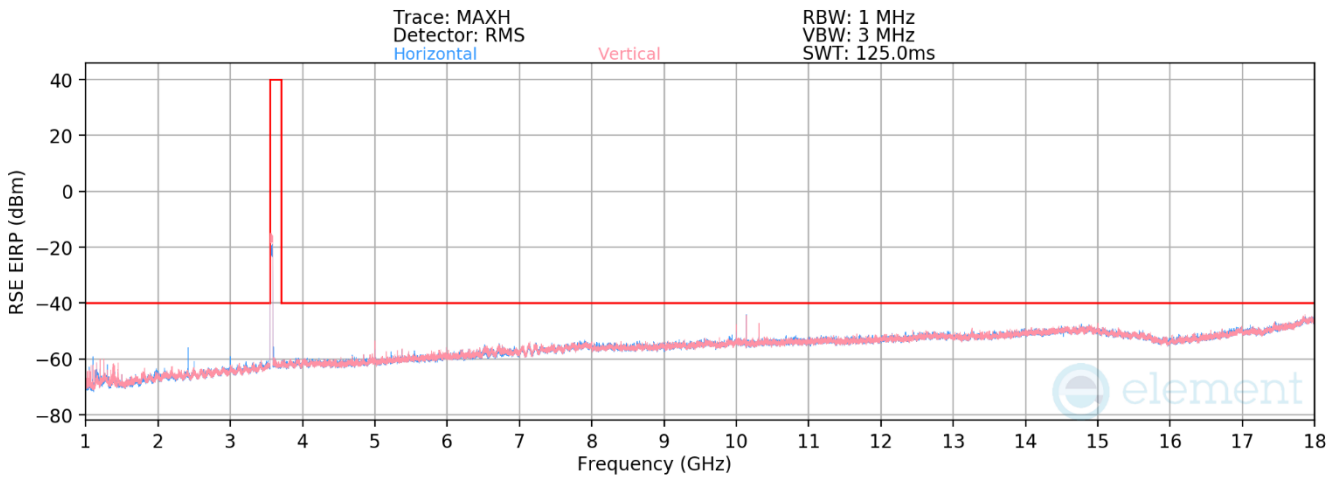


Plot 8-120. Radiated spurious emission Plot_18 GHz to 40 GHz (NR_1C_20M_QPSK - Mid Channel)

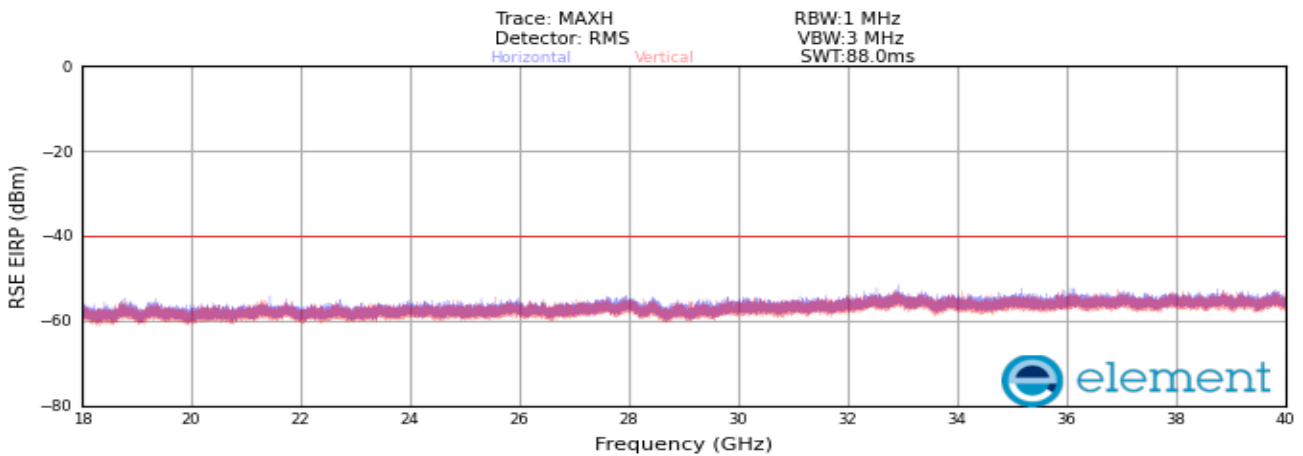
FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 288 of 315



Plot 8-121. Radiated spurious emission Plot_30 MHz to 1000 MHz (NR_1C_40M_QPSK - Low Channel)

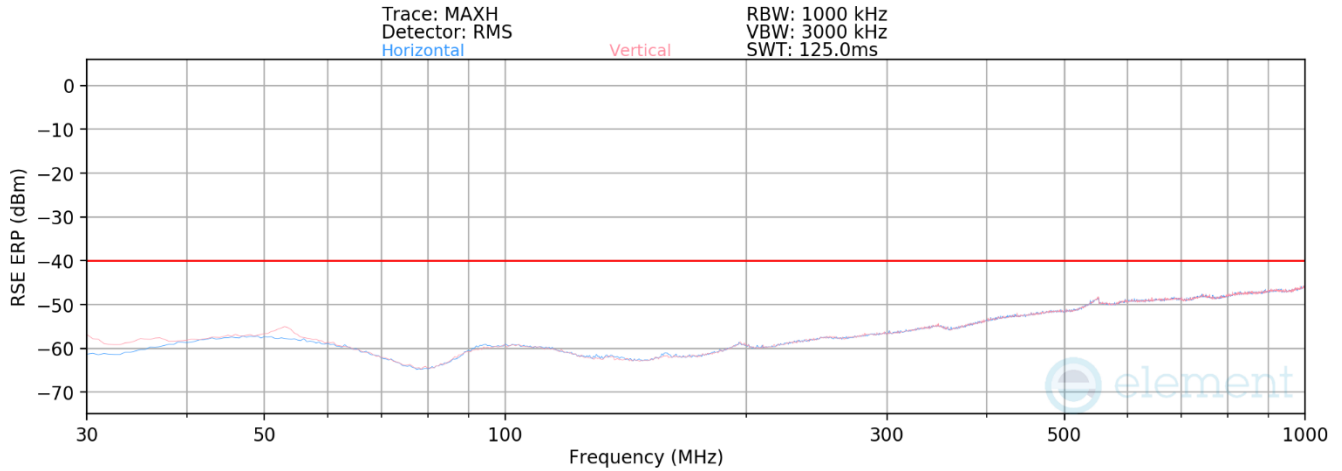


Plot 8-122. Radiated spurious emission Plot_1 GHz to 18 GHz (NR_1C_40M_QPSK - Low Channel)

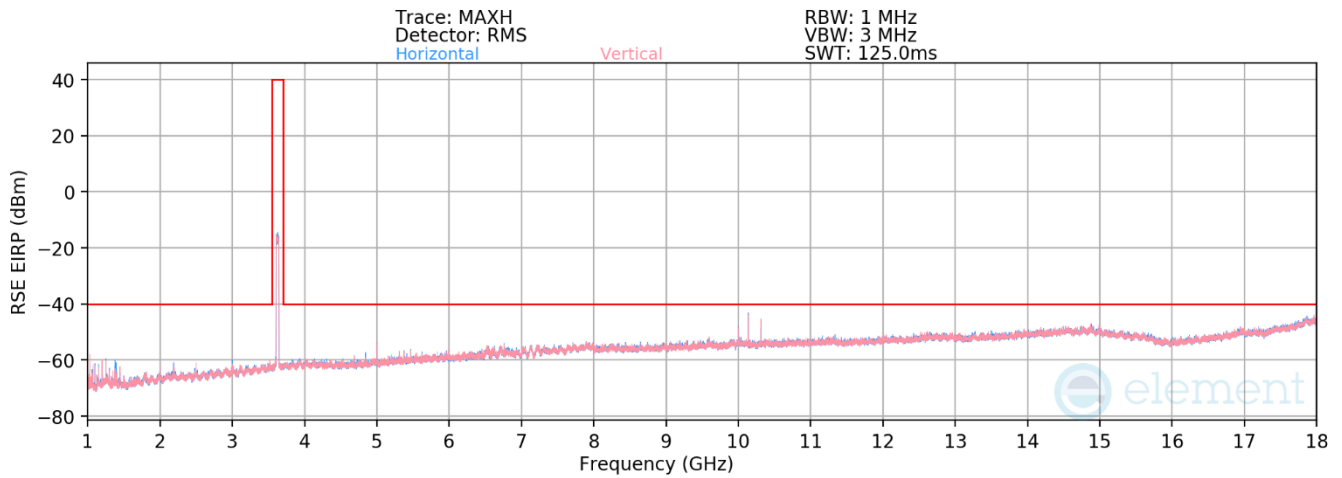


Plot 8-123. Radiated spurious emission Plot_18 GHz to 40 GHz (NR_1C_40M_QPSK - Low Channel)

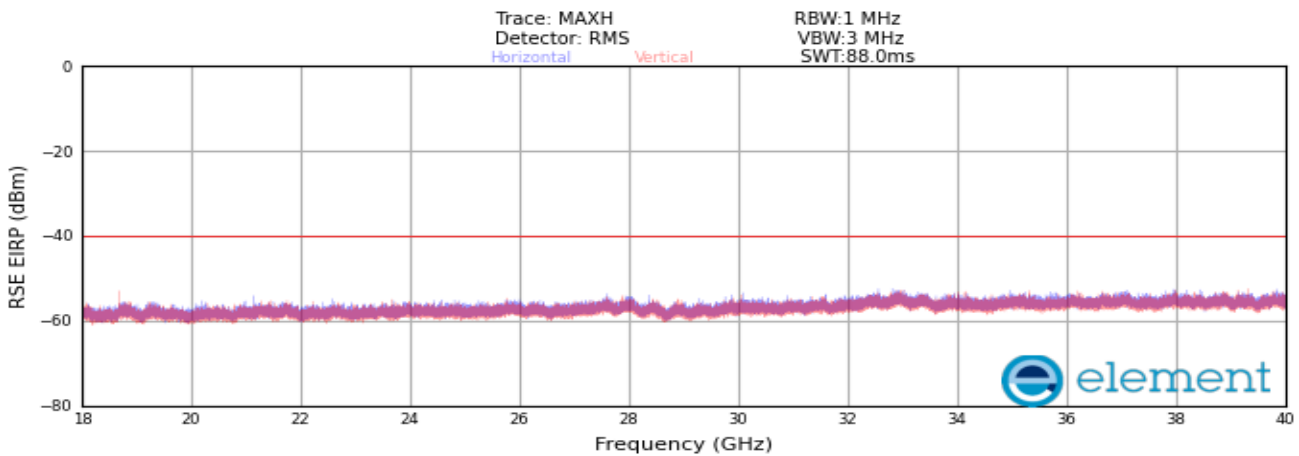
FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 289 of 315



Plot 8-124. Radiated spurious emission Plot_30 MHz to 1000 MHz (NR_1C_40M_QPSK - Mid Channel)

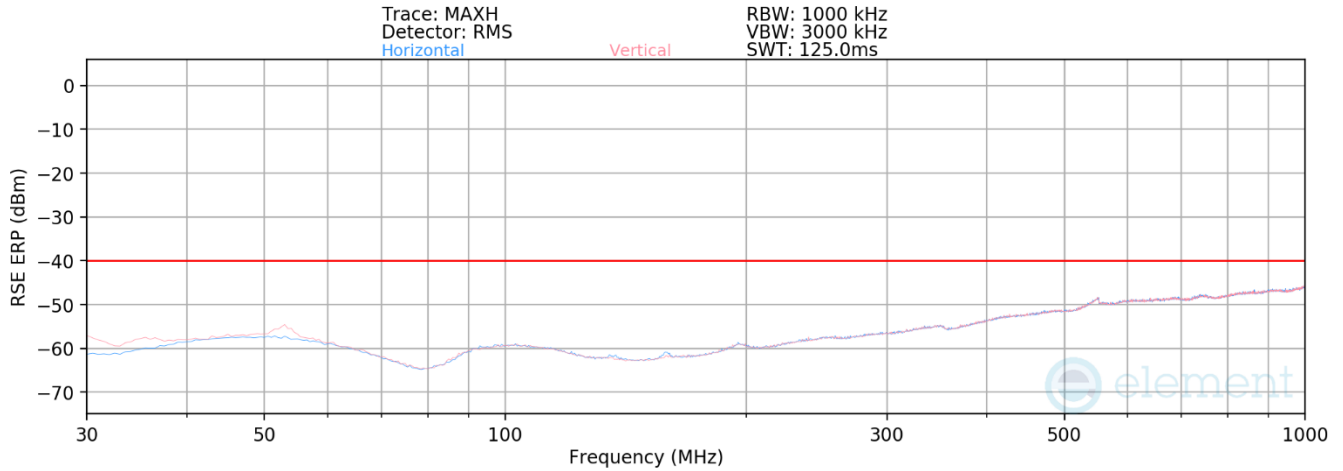


Plot 8-125. Radiated spurious emission Plot_1 GHz to 18 GHz (NR_1C_40M_QPSK - Mid Channel)

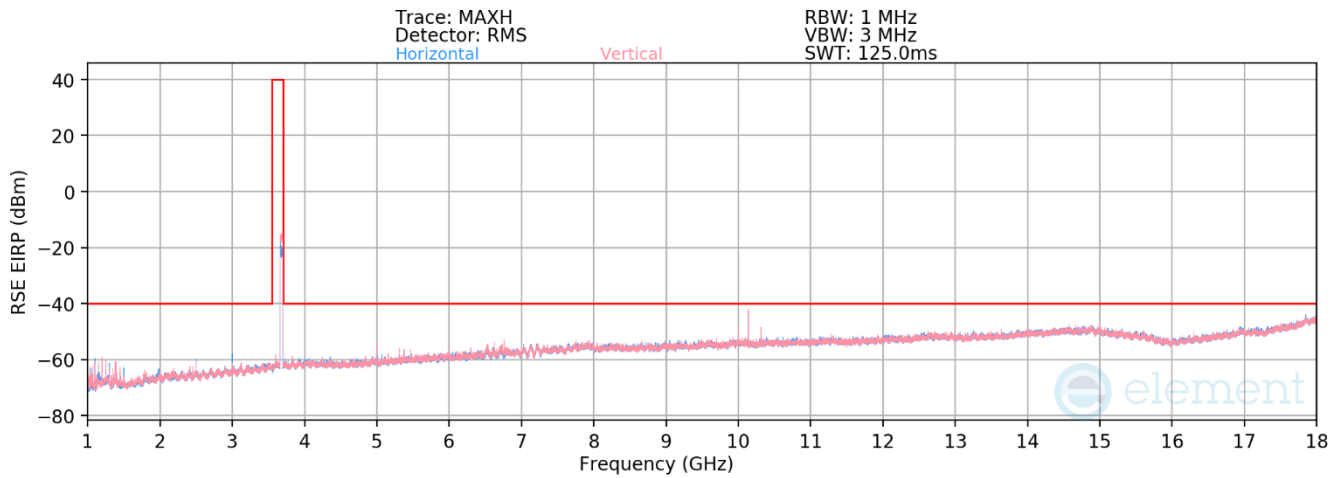


Plot 8-126. Radiated spurious emission Plot_18 GHz to 40 GHz (NR_1C_40M_QPSK - Mid Channel)

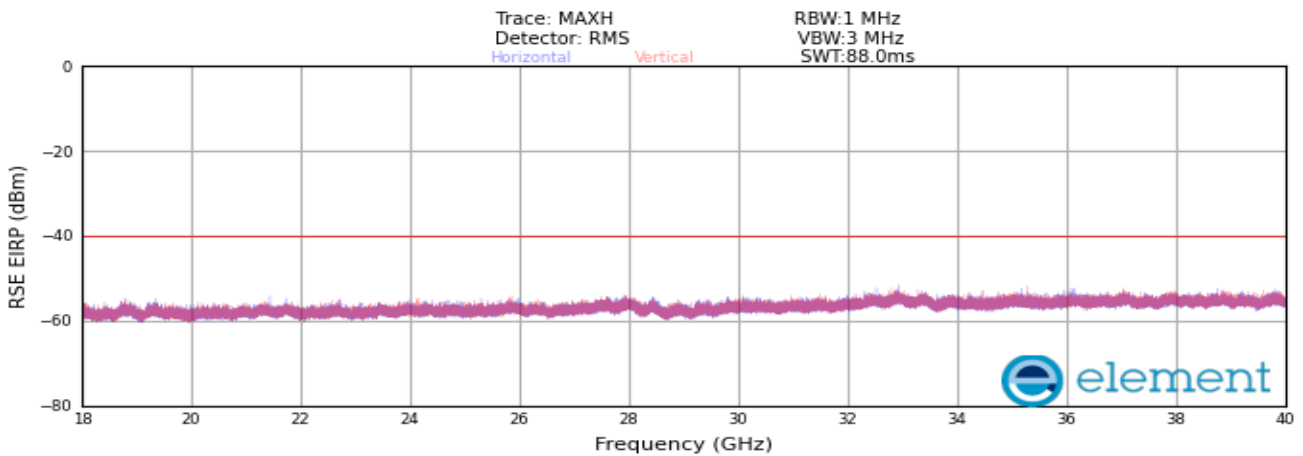
FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 290 of 315



Plot 8-127. Radiated spurious emission Plot_30 MHz to 1000 MHz (NR_1C_40M_QPSK - High Channel)

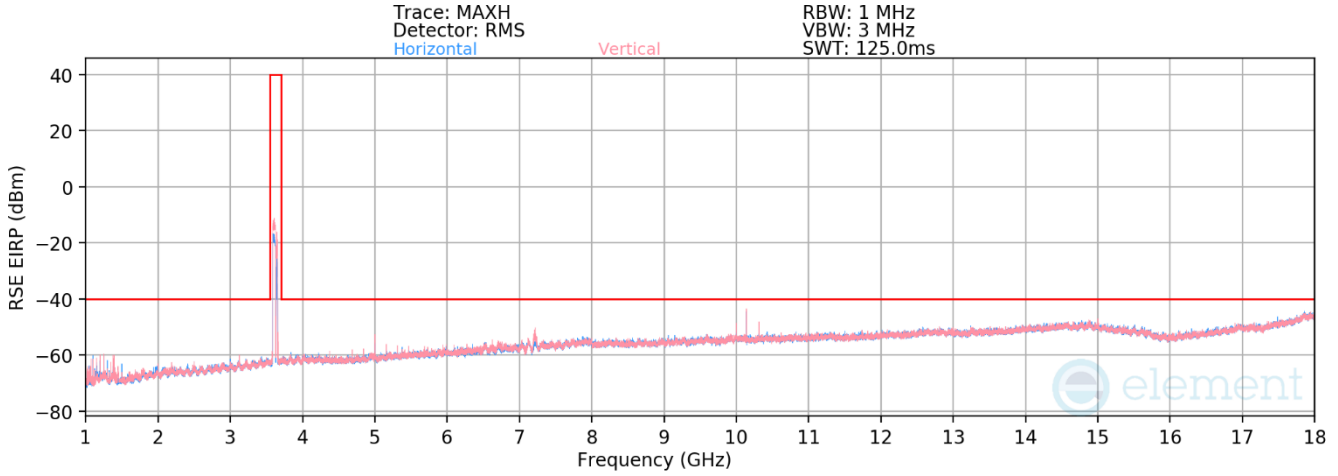


Plot 8-128. Radiated spurious emission Plot_1 GHz to 18 GHz (NR_1C_40M_QPSK - High Channel)

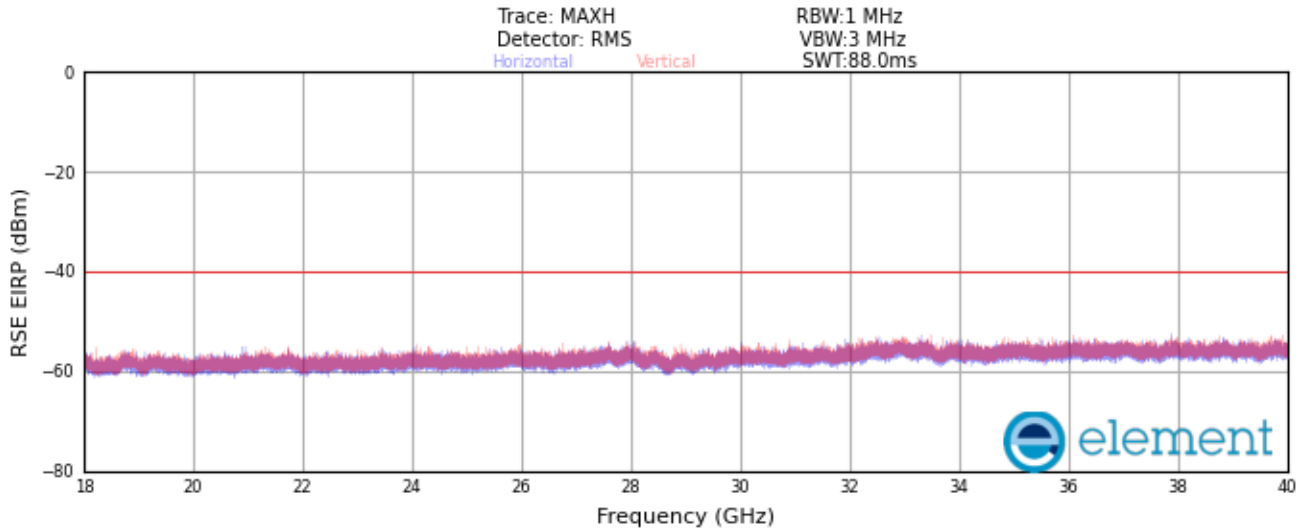


Plot 8-129. Radiated spurious emission Plot_18 GHz to 40 GHz (NR_1C_40M_QPSK - High Channel)

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 291 of 315

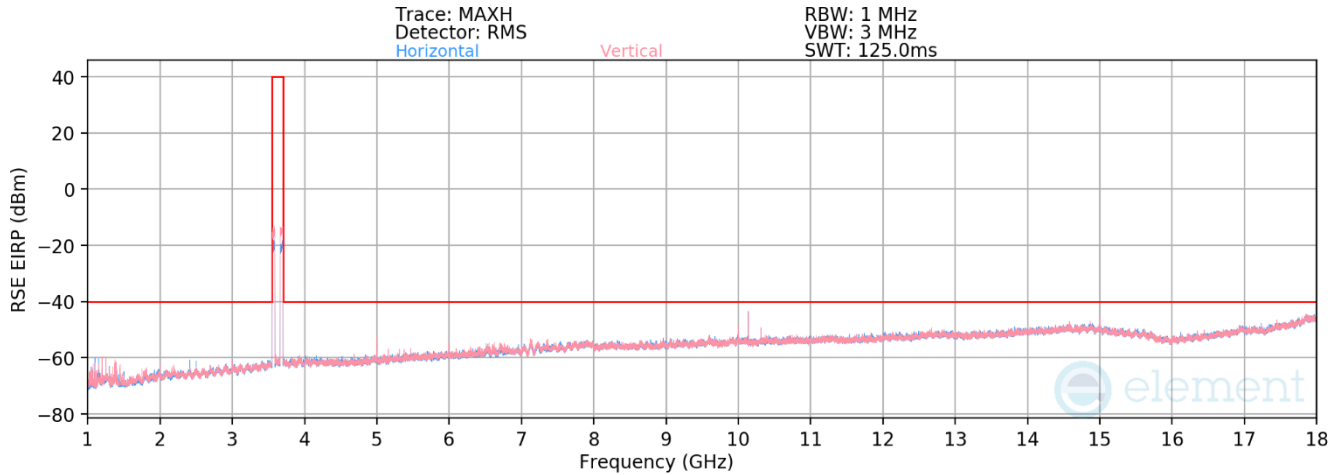


**Plot 8-130. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_2C_40M+40M_QPSK - Mid Channel)**

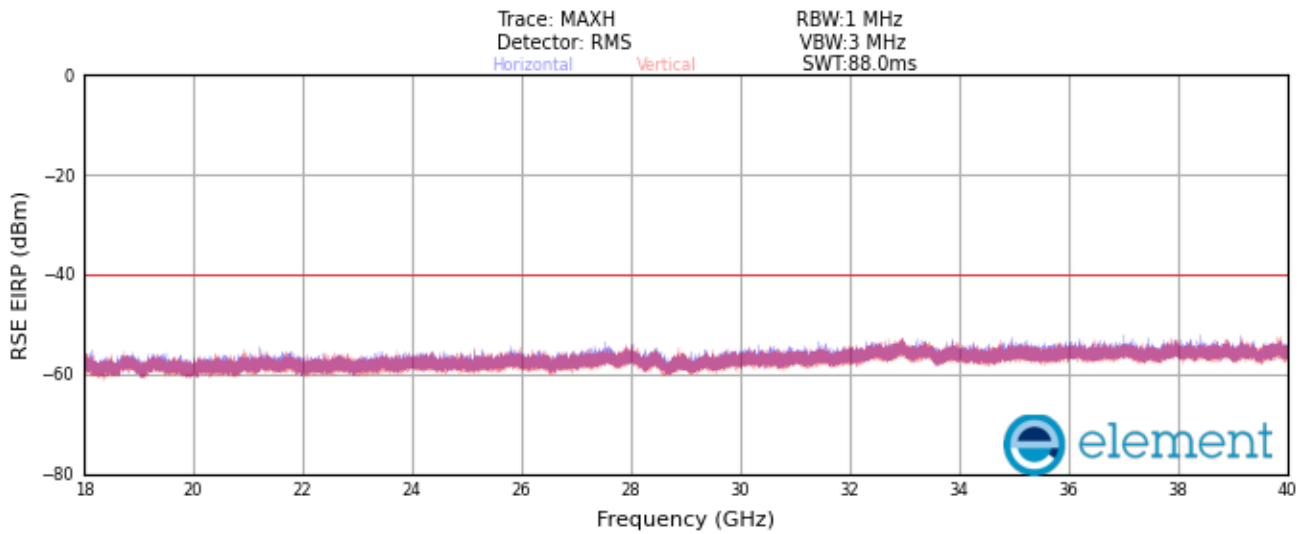


**Plot 8-131. Radiated spurious emission Plot_18 GHz to 40 GHz
(NR_2C_40M+40M_QPSK - Mid Channel)**

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 292 of 315



**Plot 8-132. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_2NC_40M+40M_QPSK - Mid Channel)**





**Plot 8-133. Radiated spurious emission Plot_18 GHz to 40 GHz
(NR_2NC_40M+40M_QPSK - Mid Channel)**

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 293 of 315

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable azimuth [degree]	Analyzer Level [dBm/MHz]	AFCL [dBm]	Field Strength [dB μ /m]	RSE EIRP [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
10183.5	H	124	117	-69.29	10.26	47.97	-47.29	-40.00	-7.29
10183.5	V	132	123	-68.71	10.26	48.55	-46.71	-40.00	-6.71
10212.4	H	138	190	-74.32	10.19	42.87	-52.39	-40.00	-12.39
10212.4	V	132	196	-73.58	10.19	43.61	-51.65	-40.00	-11.65



**Table 8-35. Radiated spurious emission Worst mode Summary Data
(NR_1C_40M_QPSK - High Channel)**

Note: Pre-scan measurements were taken with trace on maxhold. Pre-scan plots are used for emissions detection and identification. All final spurious emission measurements were taken by maximizing each emission separately using trace average with RMS detector.

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 294 of 315

9.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Electronics Co., Ltd. CBSD FCC ID: A3LMT6402-48A** complies with all of the requirements of Part 96 of the FCC Rules.

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)	Page 295 of 315	

10.0 APPENDIX. A

10.1 Conducted Average Output Power

Test Overview

A transmitter port of EUT is connected to the input of a signal analyzer. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Description

KDB 971168 D01 v03r01 – Section 5
 KDB 662911 D01 v02r01 – Section E)1) In-Band Power Measurements
 ANSI C63.26-2015 – Section 5.2.4.4.1

The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The spectrum analyzer settings were as follows:

1. Conducted power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 ~ 5% of the expected OBW
3. VBW $\geq 3 \times$ RBW
4. Span = 2 ~ 3 x OBW
5. No. of sweep points $\geq 2 \times$ span / RBW
6. Detector = RMS
7. Trigger Settings is set to "RF Power" for signals with non-continuous operation with the sweep times set to "auto". Refer test note 3 for details.
8. Trace mode = Trace-Averaging (RMS) set to average over 100 sweeps
9. The trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

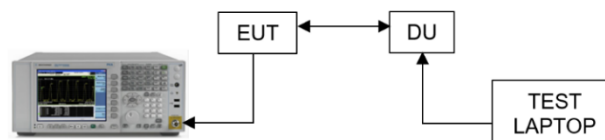




Figure 10-1. Test Instrument & Measurement Setup

Limit

N/A

FCC ID: A3LMT6402-48A		MEASUREMENT REPORT (Class III Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K24010501-00.A3L	Test Dates: 01/22/2024 – 04/02/2024	EUT Type: MMU (MT6402)		Page 296 of 315