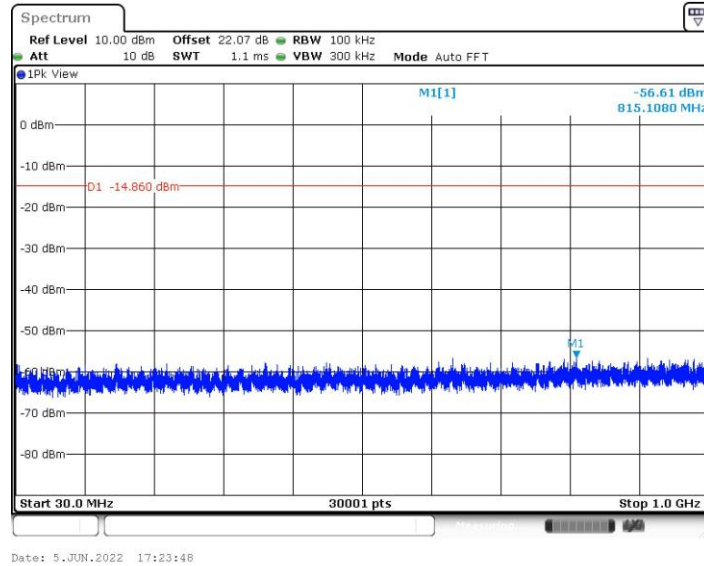
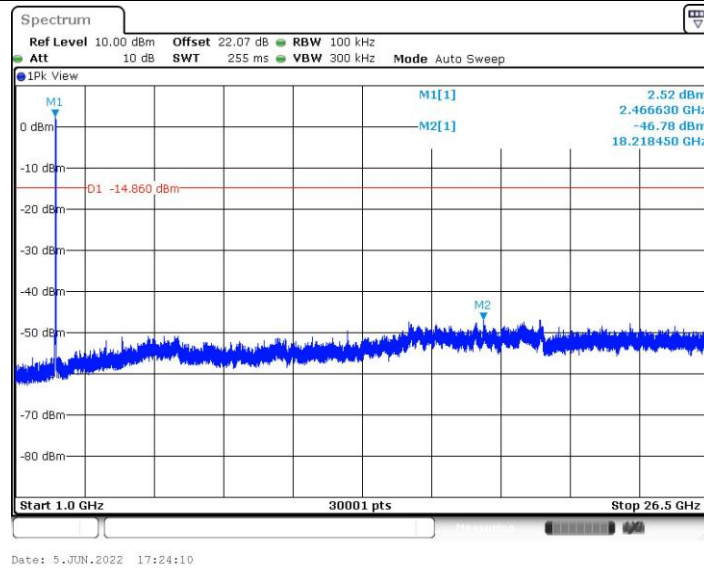




11AX20MIMO_Ant2_2462_30~1000

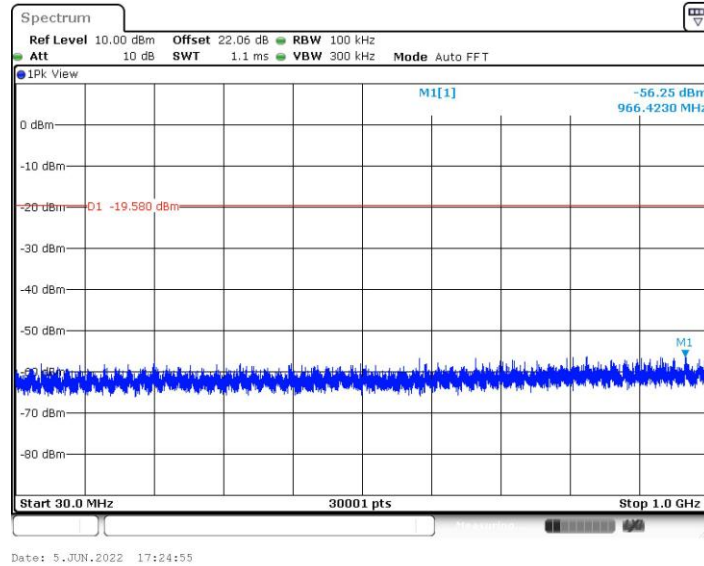


11AX20MIMO_Ant2_2462_1000~26500

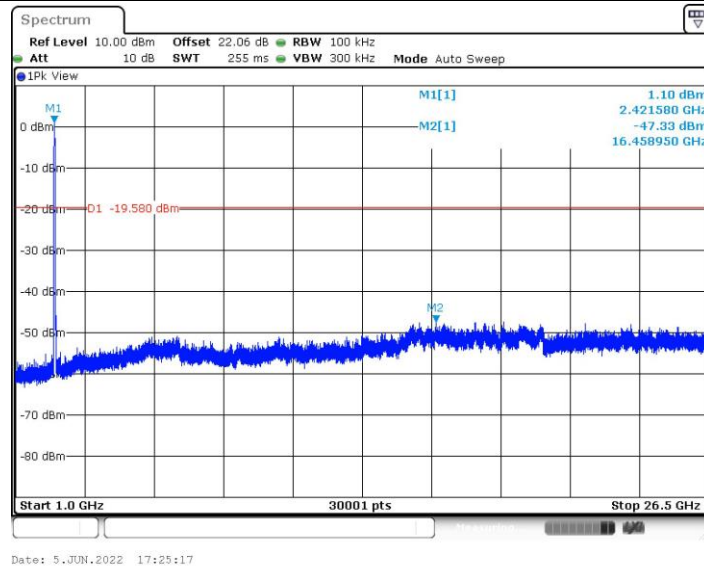




11AX40MIMO_Ant1_2422_30~1000

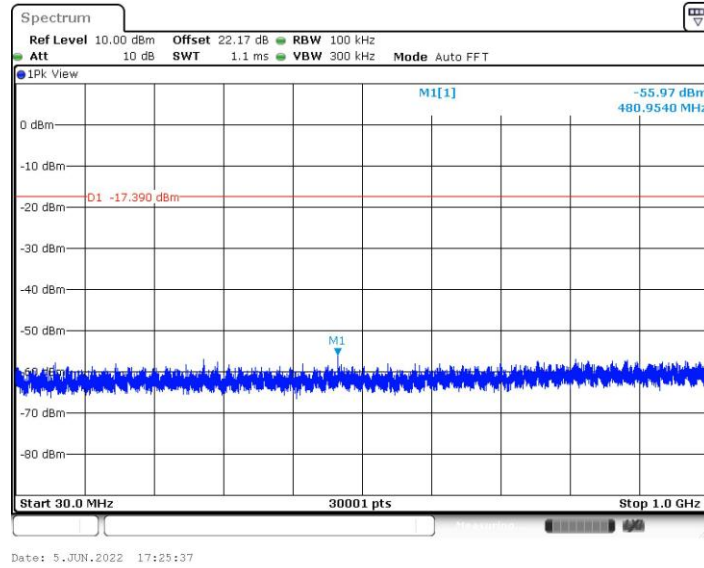


11AX40MIMO_Ant1_2422_1000~26500

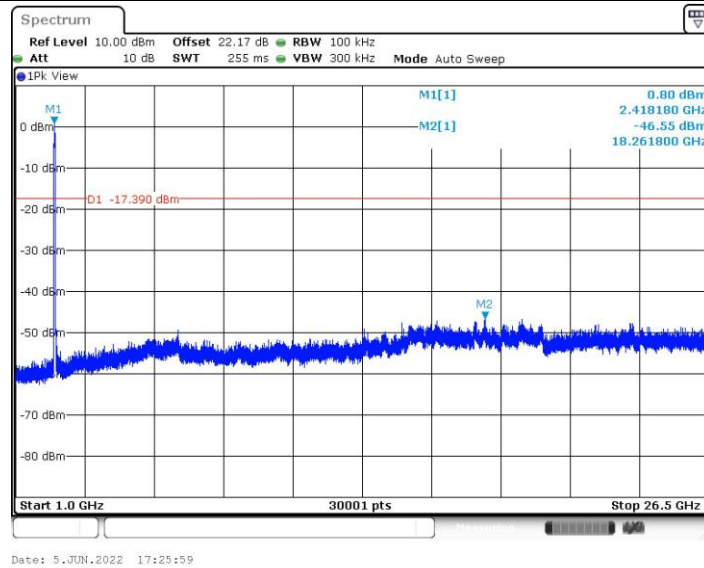




11AX40MIMO_Ant2_2422_30~1000

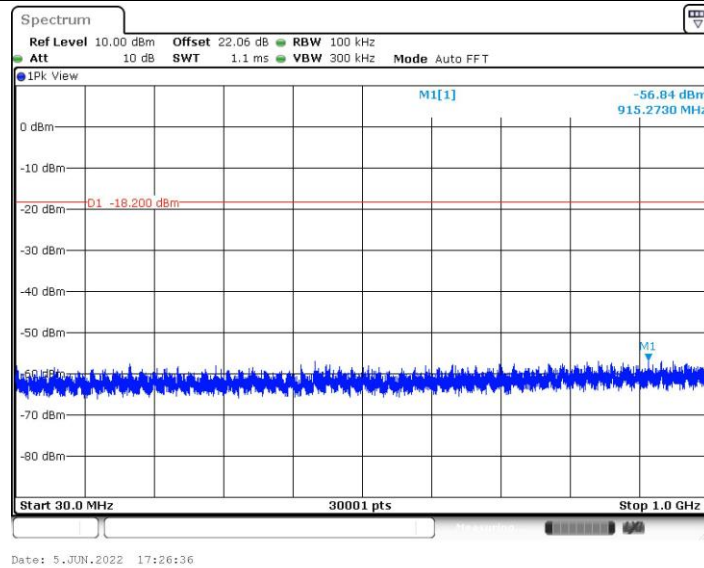


11AX40MIMO_Ant2_2422_1000~26500

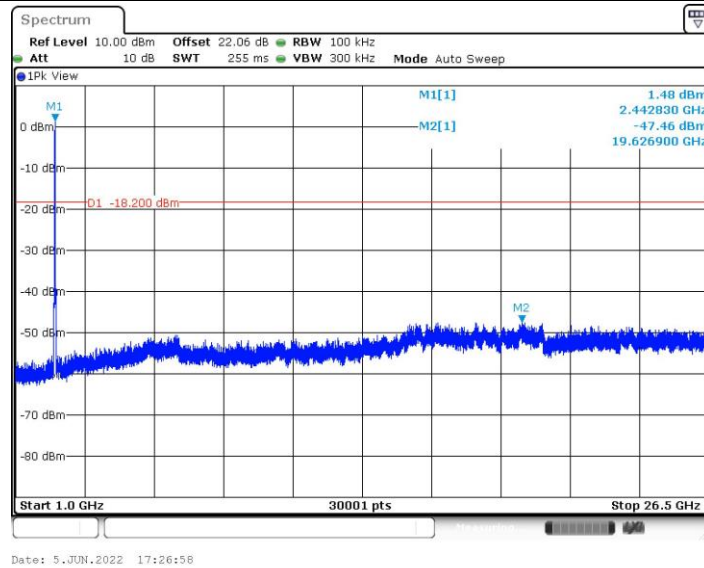




11AX40MIMO_Ant1_2437_30~1000

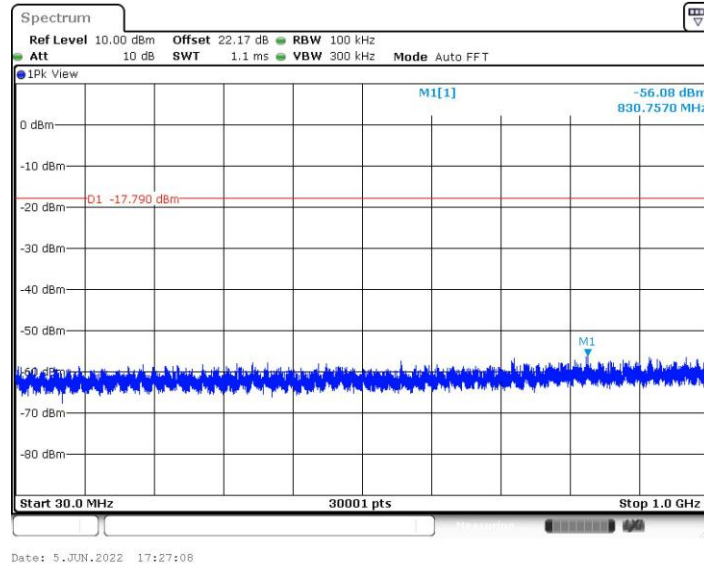


11AX40MIMO_Ant1_2437_1000~26500

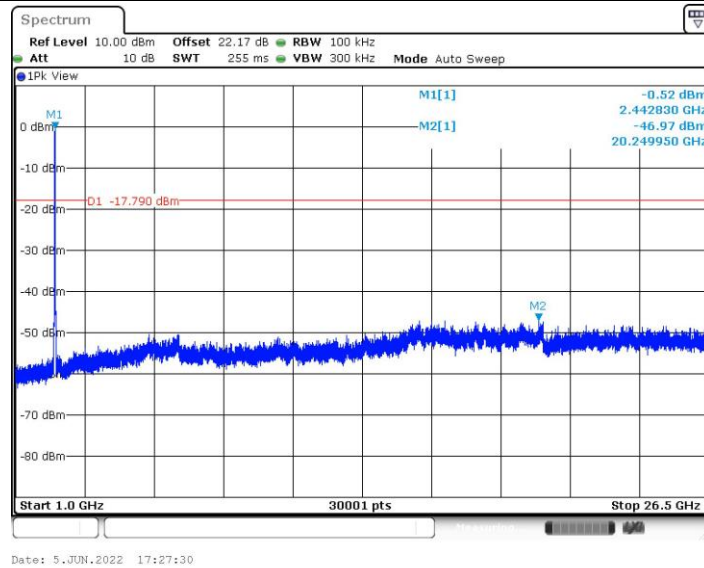




11AX40MIMO_Ant2_2437_30~1000

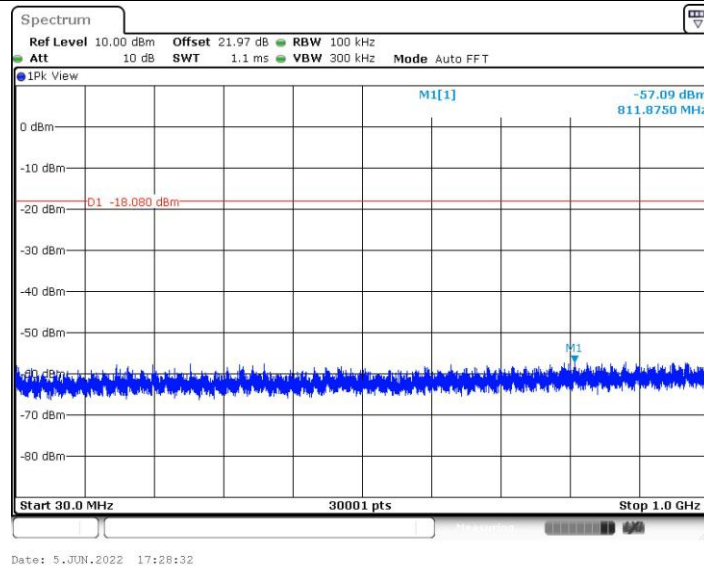


11AX40MIMO_Ant2_2437_1000~26500

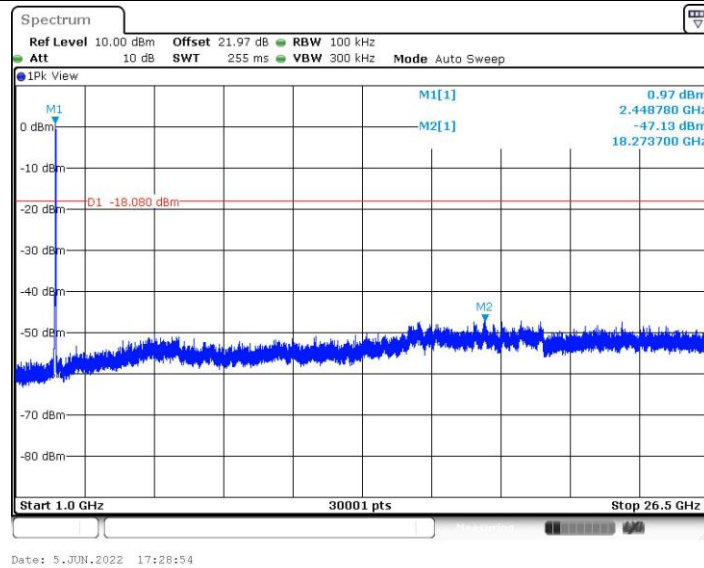




11AX40MIMO_Ant1_2452_30~1000

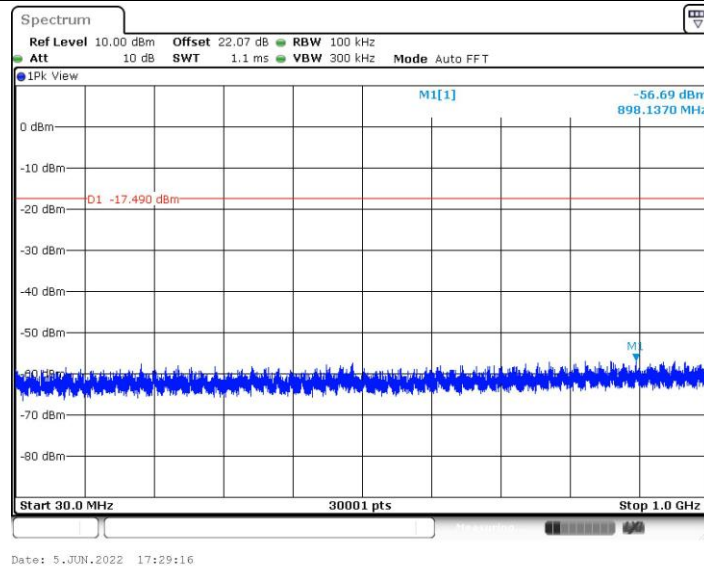


11AX40MIMO_Ant1_2452_1000~26500

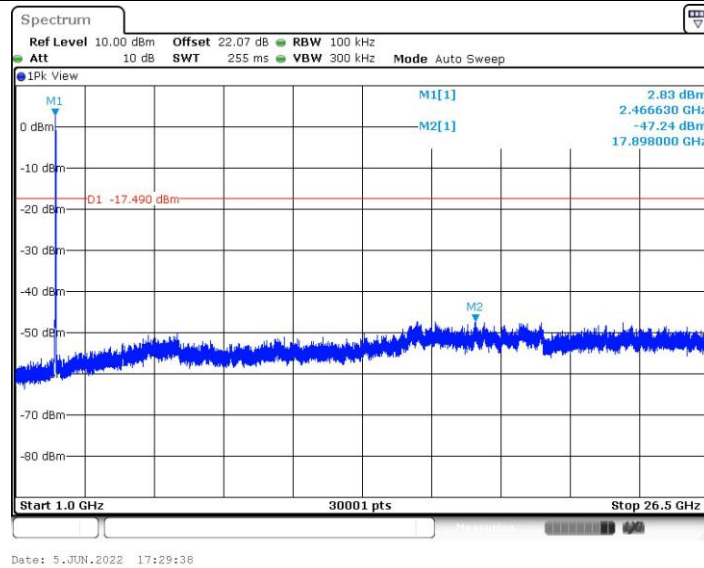




11AX40MIMO_Ant2_2452_30~1000



11AX40MIMO_Ant2_2452_1000~26500





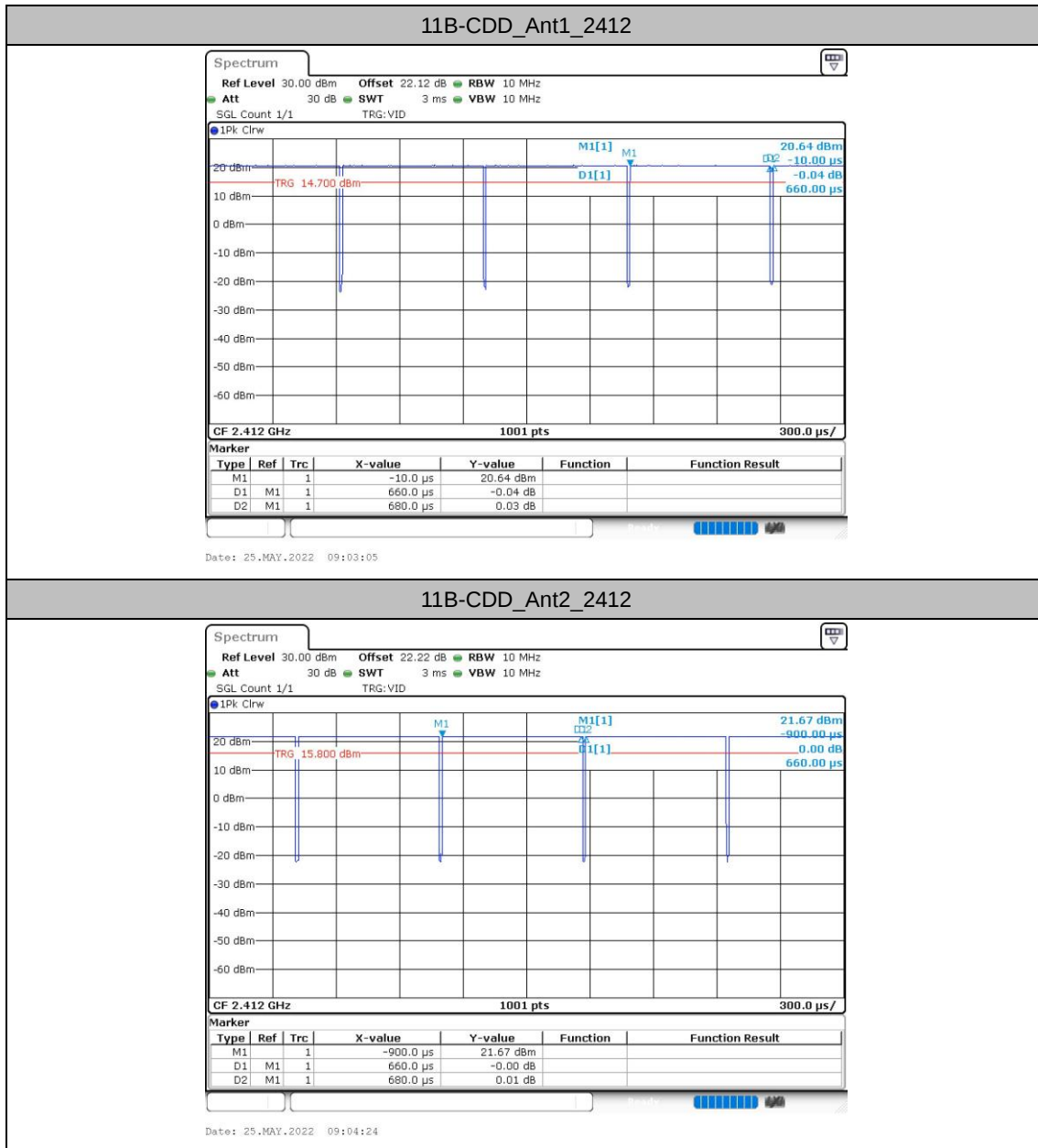
Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Verdict
11B-CDD	Ant1	2412	0.66	0.68	97.06	---
	Ant2	2412	0.66	0.68	97.06	---
11G-CDD	Ant1	2412	2.10	2.12	99.06	---
	Ant2	2412	2.10	2.11	99.53	---
11N20MIMO	Ant1	2412	5.44	5.46	99.63	---
	Ant2	2412	5.42	5.44	99.63	---
11N40MIMO	Ant1	2422	5.43	5.45	99.63	---
	Ant2	2422	5.43	5.45	99.63	---
11AC20MIMO	Ant1	2412	5.43	5.45	99.63	---
	Ant2	2412	5.43	5.45	99.63	---
11AC40MIMO	Ant1	2422	5.42	5.44	99.63	---
	Ant2	2422	5.42	5.44	99.63	---
11AX20MIMO	Ant1	2412	5.45	5.47	99.63	---
	Ant2	2412	5.45	5.48	99.45	---
11AX40MIMO	Ant1	2422	5.45	5.47	99.63	---
	Ant2	2422	5.46	5.48	99.64	---

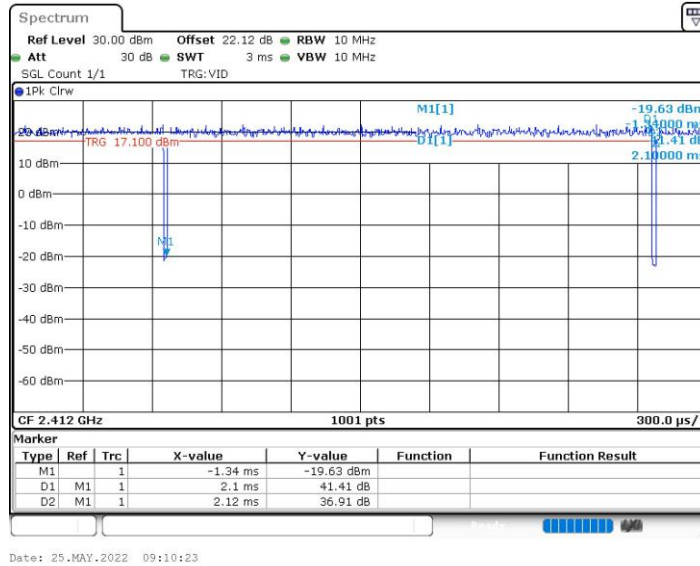


Test Graphs

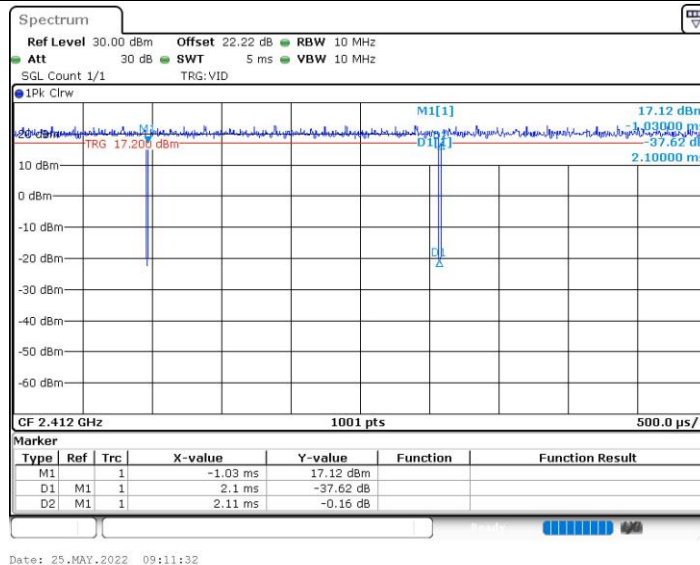




11G-CDD_Ant1_2412

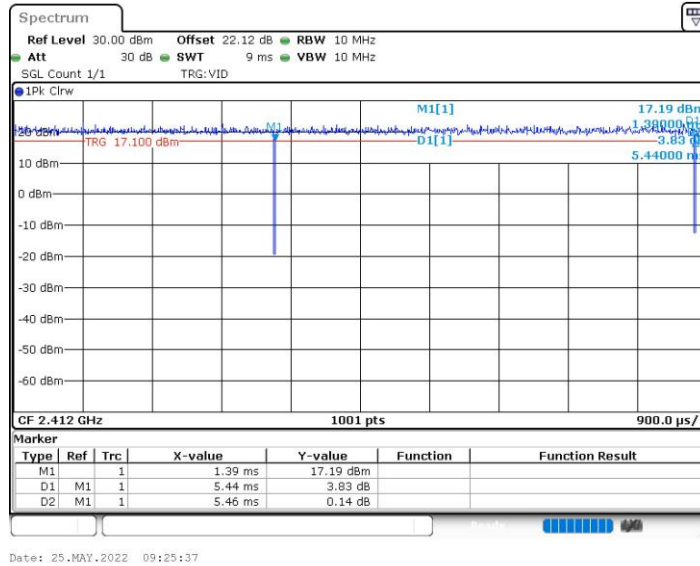


11G-CDD_Ant2_2412

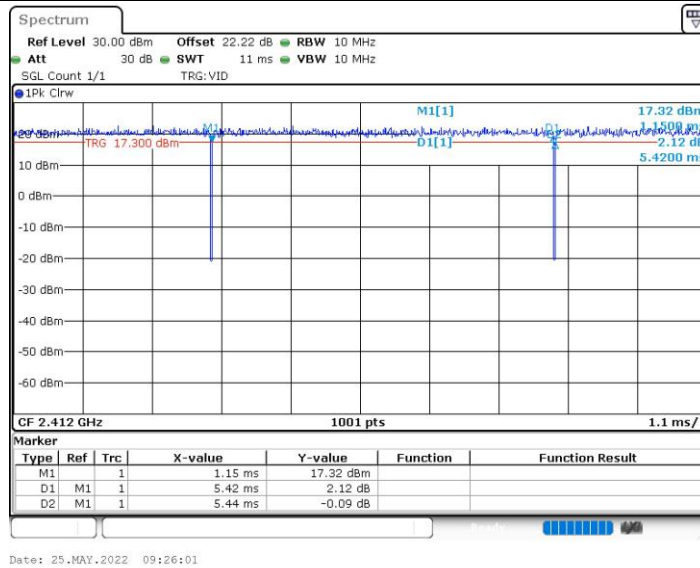




11N20MIMO_Ant1_2412

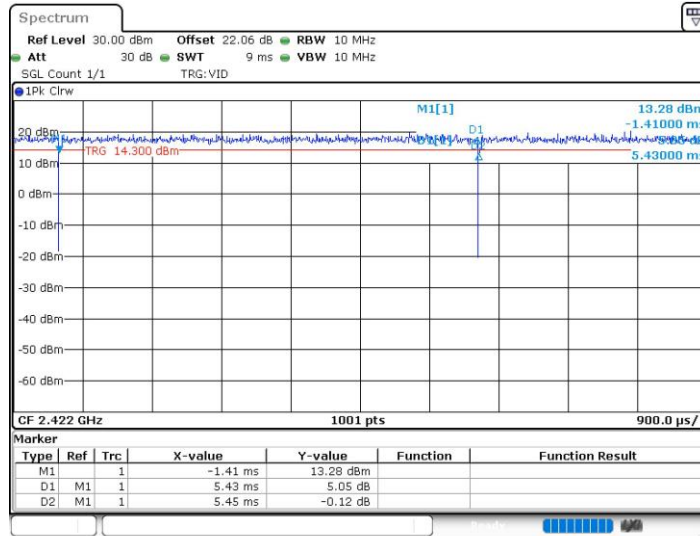


11N20MIMO_Ant2_2412

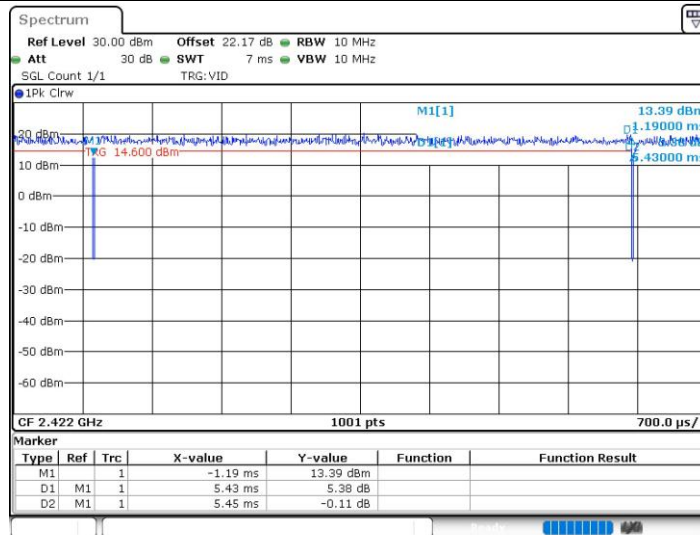




11N40MIMO_Ant1_2422

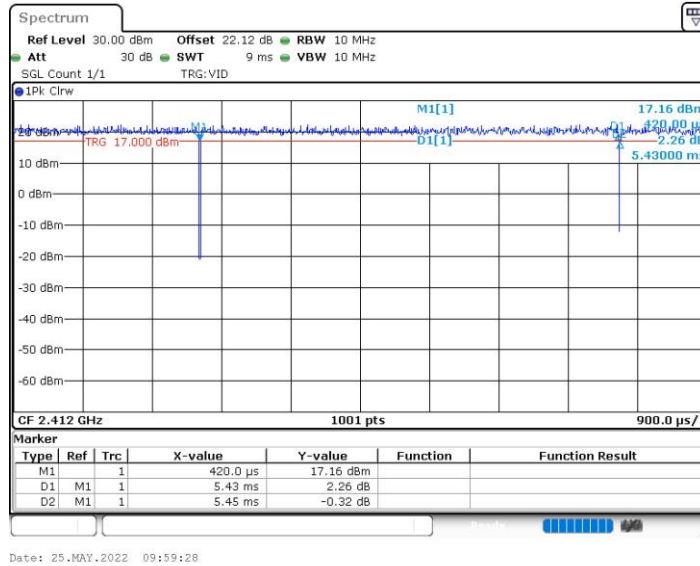


11N40MIMO_Ant2_2422

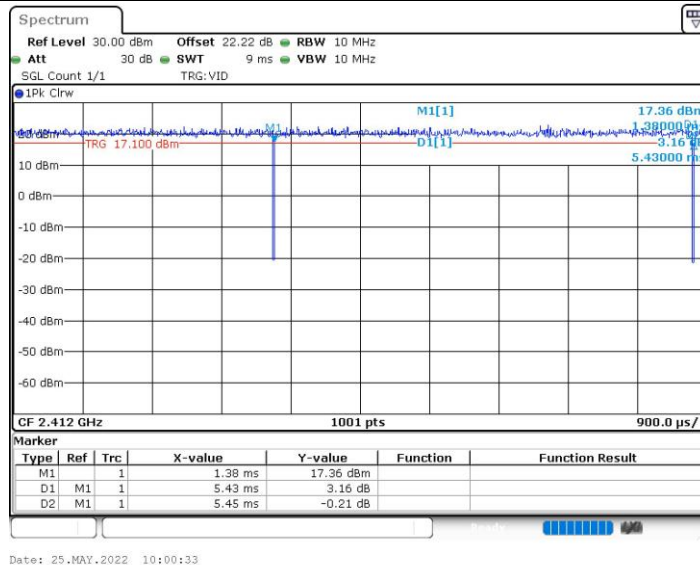




11AC20MIMO_Ant1_2412

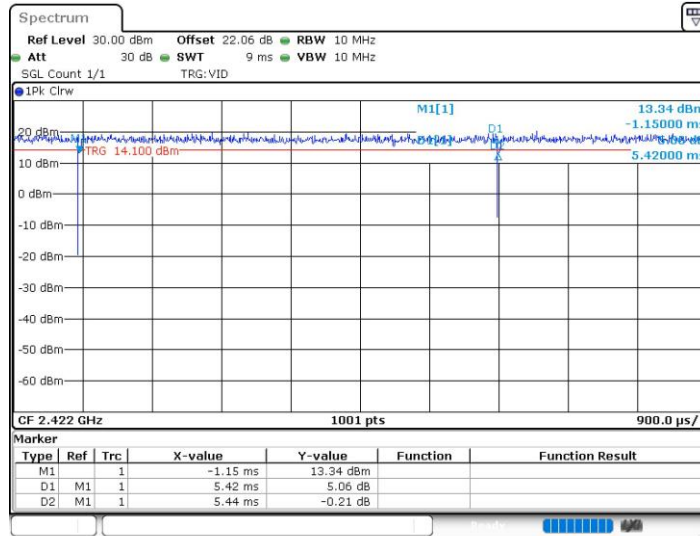


11AC20MIMO_Ant2_2412

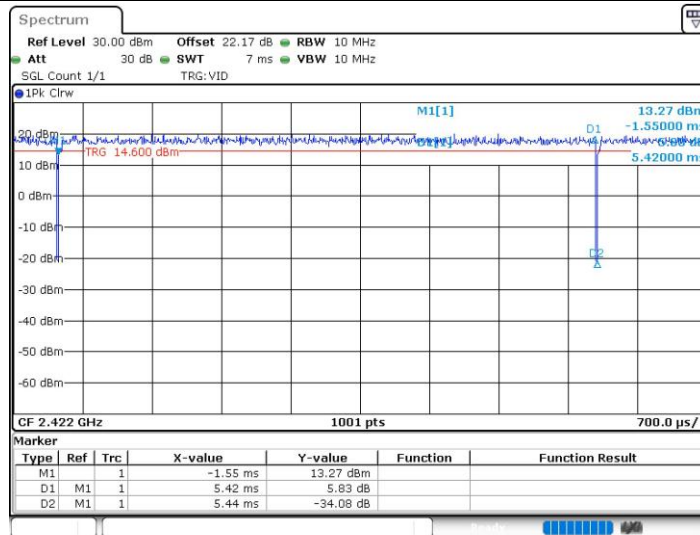




11AC40MIMO_Ant1_2422

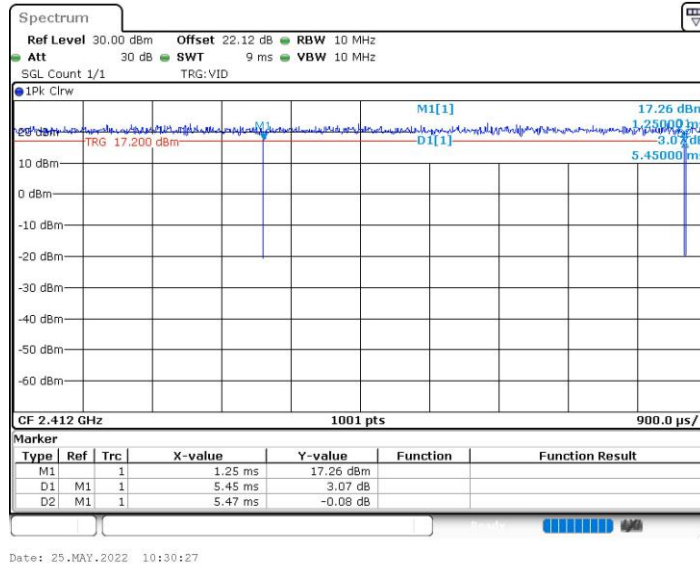


11AC40MIMO_Ant2_2422

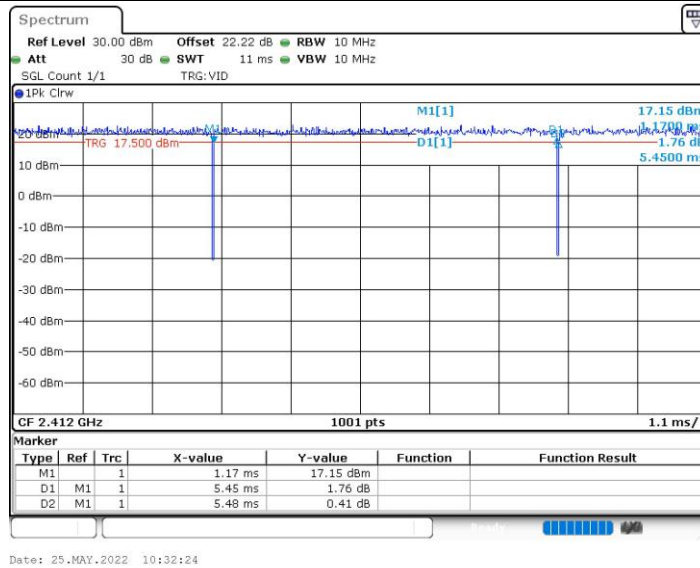




11AX20MIMO_Ant1_2412

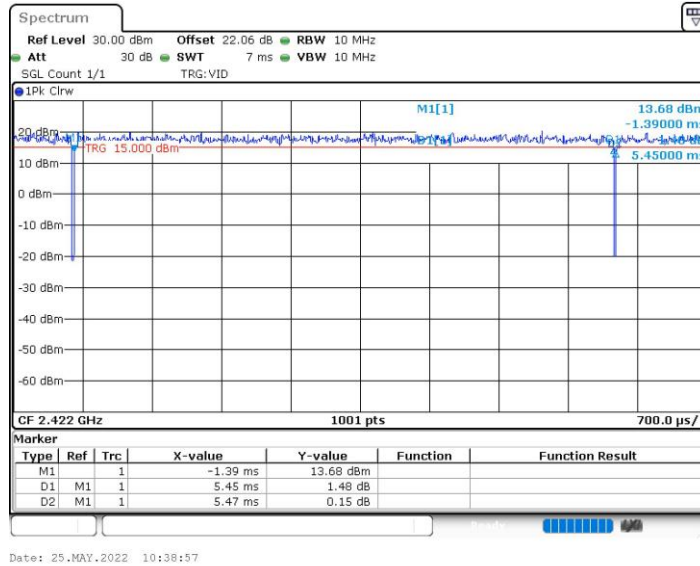


11AX20MIMO_Ant2_2412

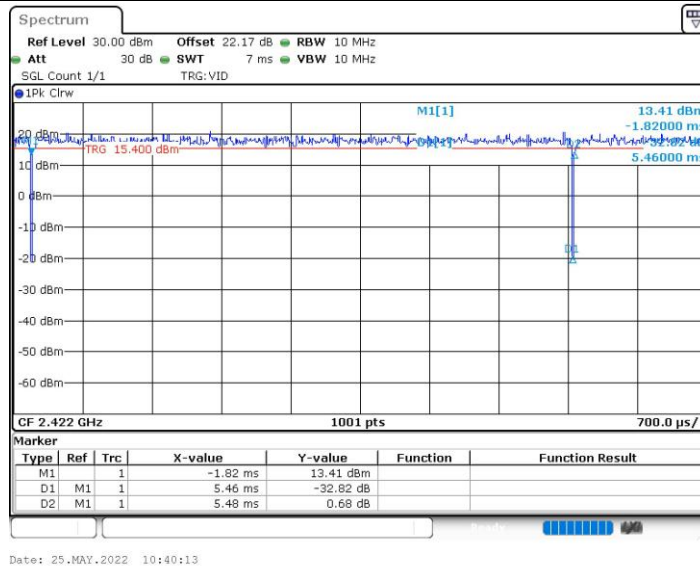




11AX40MIMO_Ant1_2422



11AX40MIMO_Ant2_2422





<Verify 802.11ax Partial RU >

Maximum conducted output power

Test Result Peak Power

Test	Antenna	Freq(MHz)	Ru Size	Ru Index	Peak Power [dBm]	Conducted Limit [dBm]	Verdict
11AX20 MIMO	Ant1	2412.00	26Tone	RU0	19.28	≤30.00	PASS
			52Tone	RU37	21.65	≤30.00	PASS
			106Tone	RU53	23.78	≤30.00	PASS
	Ant2	2412.00	26Tone	RU0	18.68	≤30.00	PASS
			52Tone	RU37	22.14	≤30.00	PASS
			106Tone	RU53	24.06	≤30.00	PASS
	total	2412.00	26Tone	RU0	22.00	≤30.00	PASS
			52Tone	RU37	24.91	≤30.00	PASS
			106Tone	RU53	26.93	≤30.00	PASS
	Ant1	2462.00	26Tone	RU8	19.06	≤30.00	PASS
			52Tone	RU40	21.53	≤30.00	PASS
			106Tone	RU54	23.35	≤30.00	PASS
	Ant2	2462.00	26Tone	RU8	18.61	≤30.00	PASS
			52Tone	RU40	21.81	≤30.00	PASS
			106Tone	RU54	24.17	≤30.00	PASS
	total	2462.00	26Tone	RU8	21.85	≤30.00	PASS
			52Tone	RU40	24.68	≤30.00	PASS
			106Tone	RU54	26.79	≤30.00	PASS
11AX40 MIMO	Ant1	2422.00	242Tone	RU61	23.26	≤30.00	PASS
	Ant2	2422.00	242Tone	RU61	23.77	≤30.00	PASS
	total	2422.00	242Tone	RU61	26.53	≤30.00	PASS
	Ant1	2452.00	242Tone	RU62	23.43	≤30.00	PASS
	Ant2	2452.00	242Tone	RU62	23.96	≤30.00	PASS
	total	2452.00	242Tone	RU62	26.71	≤30.00	PASS



Test Result Average Power

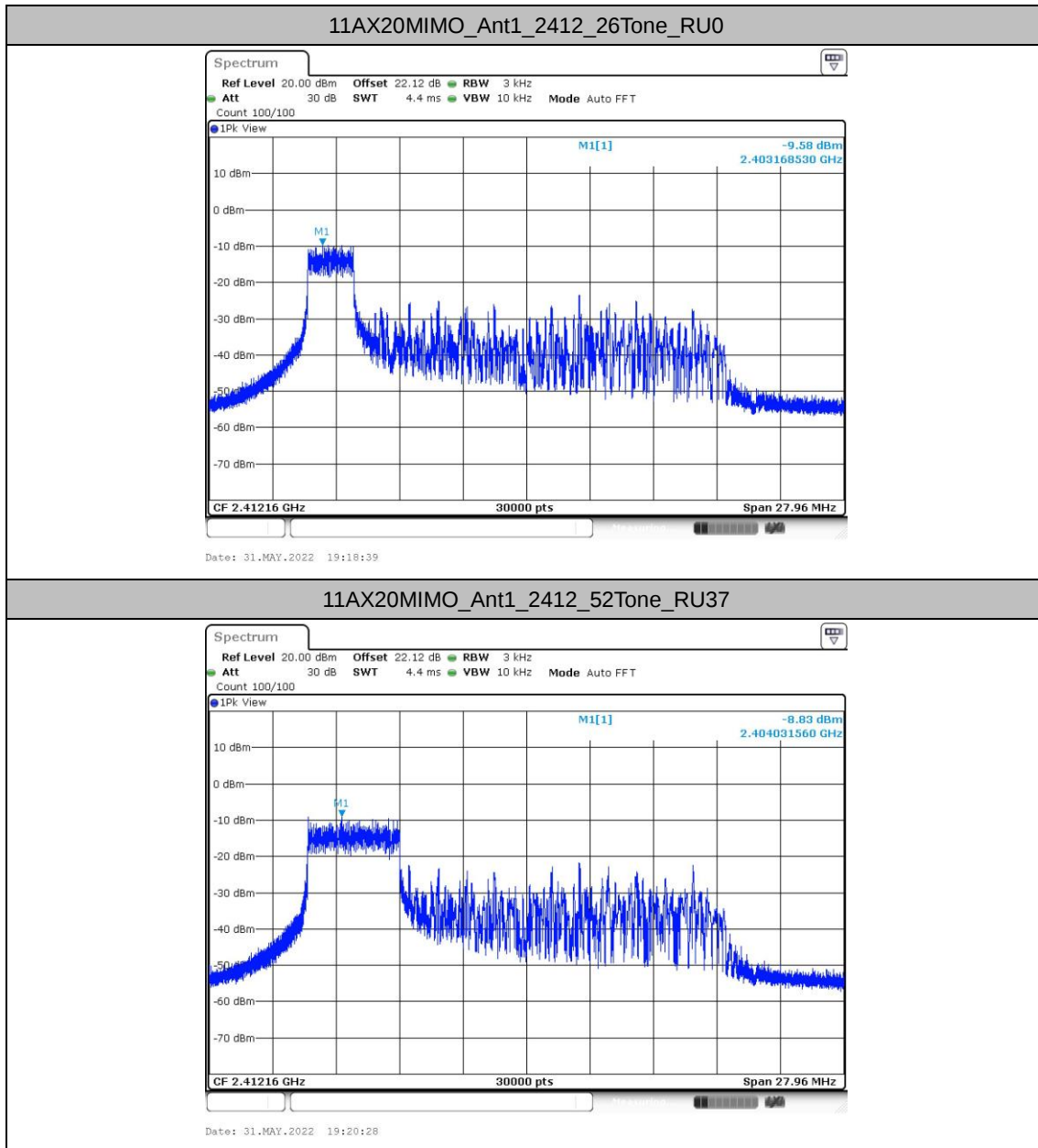
Test Mode	Ant	Freq (MHz)	Ru Size	Ru Index	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11AX20 MIMO	Ant1	2412	26Tone	RU0	7.04	99.63	0.02	7.06	≤30.00	PASS
			52Tone	RU37	9.48	99.63	0.02	9.50	≤30.00	PASS
			106Tone	RU53	13.41	99.63	0.02	13.43	≤30.00	PASS
	Ant2	2412	26Tone	RU0	6.56	99.45	0.02	6.58	≤30.00	PASS
			52Tone	RU37	9.93	99.45	0.02	9.95	≤30.00	PASS
			106Tone	RU53	13.54	99.45	0.02	13.56	≤30.00	PASS
	total	2412	26Tone	RU0	---	---	---	9.84	≤30.00	PASS
			52Tone	RU37	---	---	---	12.74	≤30.00	PASS
			106Tone	RU53	---	---	---	16.51	≤30.00	PASS
	Ant1	2462	26Tone	RU8	7.32	99.63	0.02	7.34	≤30.00	PASS
			52Tone	RU40	9.69	99.63	0.02	9.71	≤30.00	PASS
			106Tone	RU54	13.48	99.63	0.02	13.50	≤30.00	PASS
	Ant2	2462	26Tone	RU8	7.38	99.45	0.02	7.40	≤30.00	PASS
			52Tone	RU40	10.54	99.45	0.02	10.56	≤30.00	PASS
			106Tone	RU54	13.97	99.45	0.02	13.99	≤30.00	PASS
	total	2462	26Tone	RU8	---	---	---	10.38	≤30.00	PASS
			52Tone	RU40	---	---	---	13.17	≤30.00	PASS
			106Tone	RU54	---	---	---	16.76	≤30.00	PASS
11AX40 MIMO	Ant1	2422	242Tone	RU61	14.17	99.63	0.02	14.19	≤30.00	PASS
	Ant2	2422	242Tone	RU61	14.28	99.64	0.02	14.30	≤30.00	PASS
	total	2422	242Tone	RU61	---	---	---	17.26	≤30.00	PASS
	Ant1	2452	242Tone	RU62	14.23	99.63	0.02	14.25	≤30.00	PASS
	Ant2	2452	242Tone	RU62	14.52	99.64	0.02	14.54	≤30.00	PASS
	total	2452	242Tone	RU62	---	---	---	17.41	≤30.00	PASS

**Maximum power spectral density (3K PSD)****Test Result**

TestMode	Antenna	Freq(MHz)	RuSize	RuIndex	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11AX20MIMO	Ant1	2412	26Tone	RU0	-9.58	≤8.00	PASS
			52Tone	RU37	-8.83	≤8.00	PASS
			106Tone	RU53	-8.69	≤8.00	PASS
	Ant2	2412	26Tone	RU0	-10.12	≤8.00	PASS
			52Tone	RU37	-8.35	≤8.00	PASS
			106Tone	RU53	-8.63	≤8.00	PASS
	total	2412	26Tone	RU0	-6.83	≤8.00	PASS
			52Tone	RU37	-5.57	≤8.00	PASS
			106Tone	RU53	-5.65	≤8.00	PASS
	Ant1	2462	26Tone	RU8	-9.41	≤8.00	PASS
			52Tone	RU40	-7.77	≤8.00	PASS
			106Tone	RU54	-8.22	≤8.00	PASS
	Ant2	2462	26Tone	RU8	-9.41	≤8.00	PASS
			52Tone	RU40	-6.71	≤8.00	PASS
			106Tone	RU54	-7.56	≤8.00	PASS
	total	2462	26Tone	RU8	-6.40	≤8.00	PASS
			52Tone	RU40	-4.20	≤8.00	PASS
			106Tone	RU54	-4.87	≤8.00	PASS
11AX40MIMO	Ant1	2422	242Tone	RU61	-9.32	≤8.00	PASS
	Ant2	2422	242Tone	RU61	-8.62	≤8.00	PASS
	total	2422	242Tone	RU61	-5.95	≤8.00	PASS
	Ant1	2452	242Tone	RU62	-9.62	≤8.00	PASS
	Ant2	2452	242Tone	RU62	-9.15	≤8.00	PASS
	total	2452	242Tone	RU62	-6.37	≤8.00	PASS

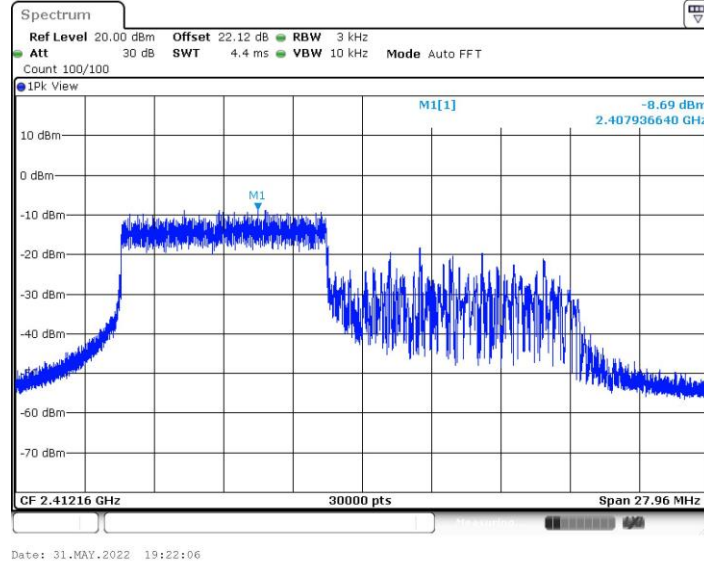


Test Graphs

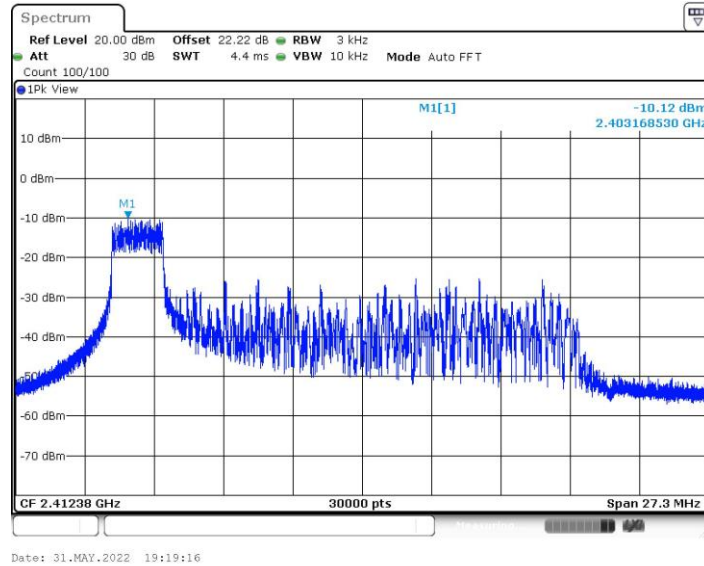




11AX20MIMO_Ant1_2412_106Tone_RU53

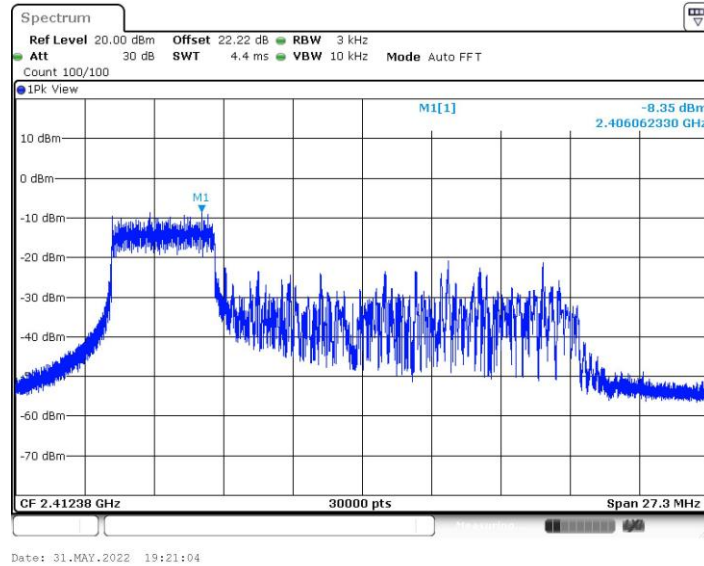


11AX20MIMO_Ant2_2412_26Tone_RU0

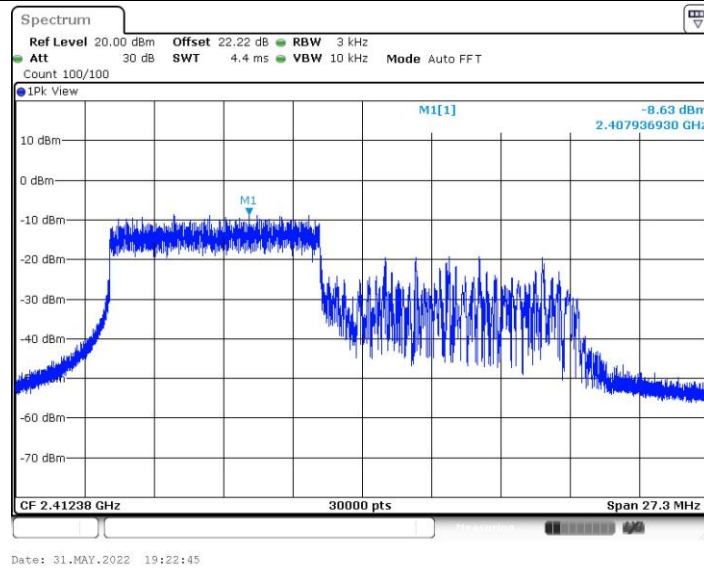




11AX20MIMO_Ant2_2412_52Tone_RU37

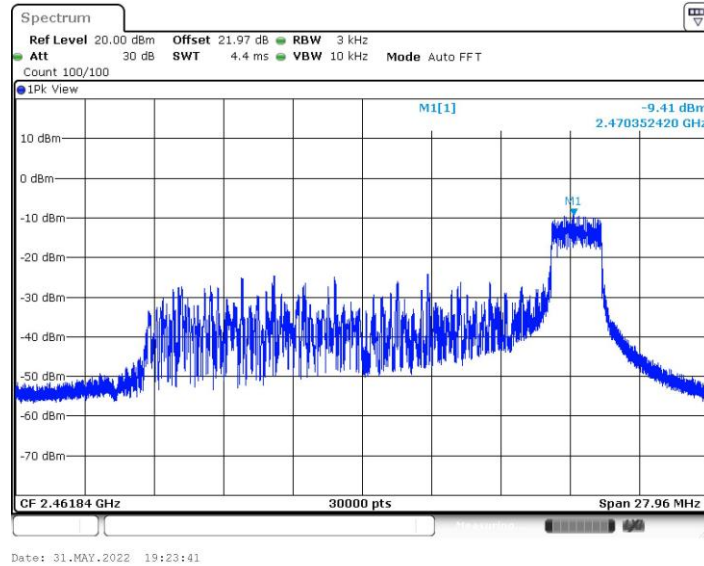


11AX20MIMO_Ant2_2412_106Tone_RU53

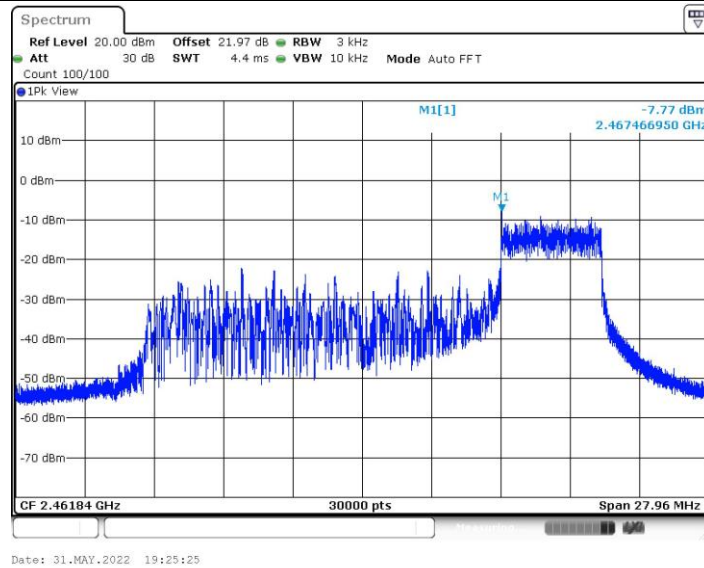




11AX20MIMO_Ant1_2462_26Tone_RU8

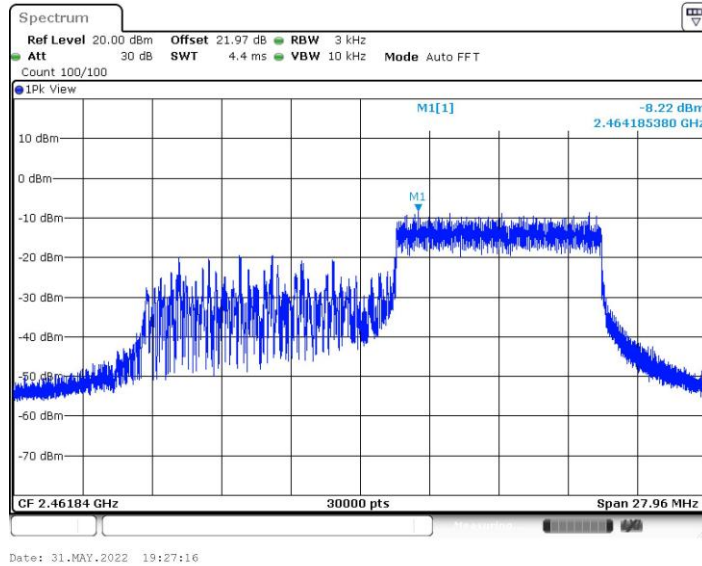


11AX20MIMO_Ant1_2462_52Tone_RU40

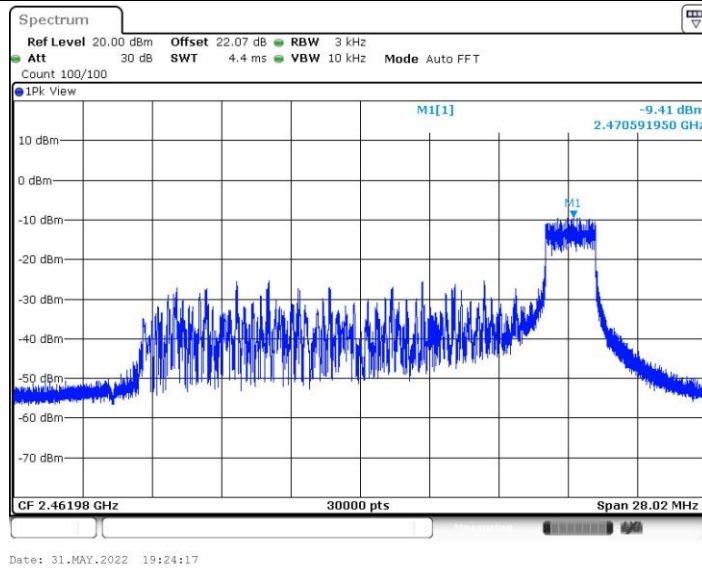




11AX20MIMO_Ant1_2462_106Tone_RU54

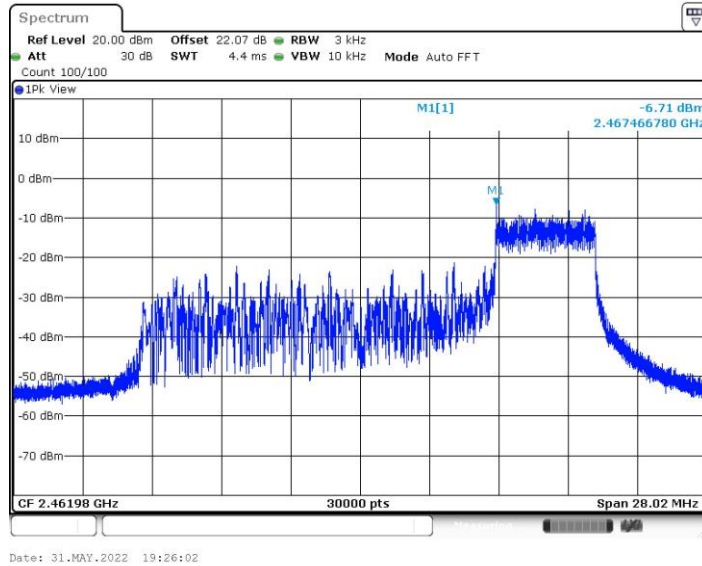


11AX20MIMO_Ant2_2462_26Tone_RU8

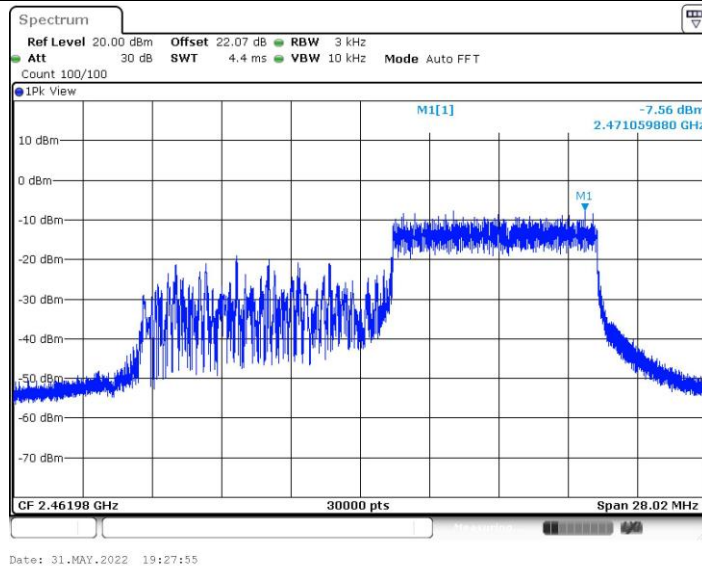




11AX20MIMO_Ant2_2462_52Tone_RU40

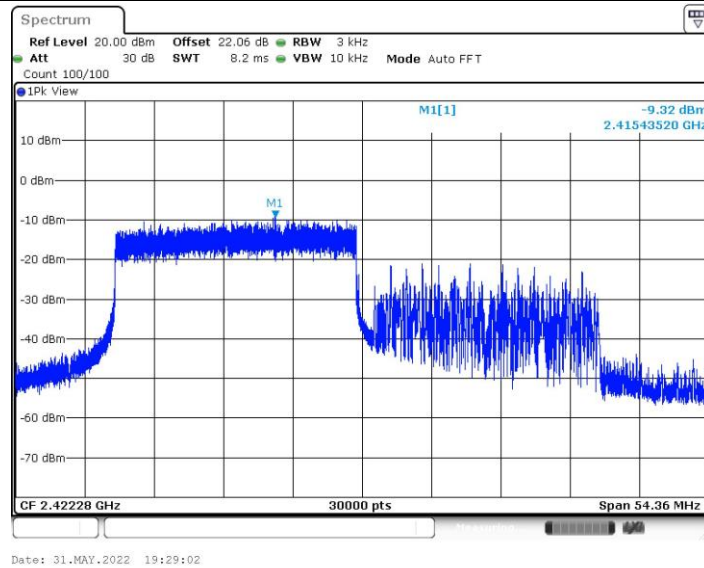


11AX20MIMO_Ant2_2462_106Tone_RU54

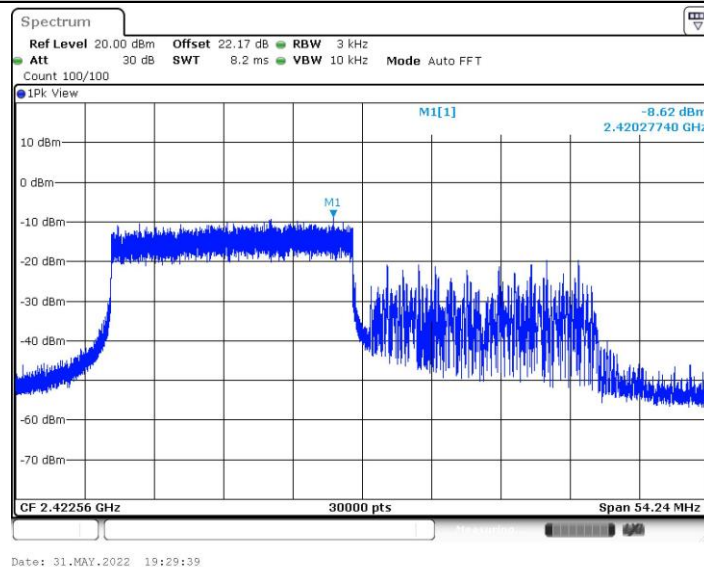




11AX40MIMO_Ant1_2422_242Tone_RU61

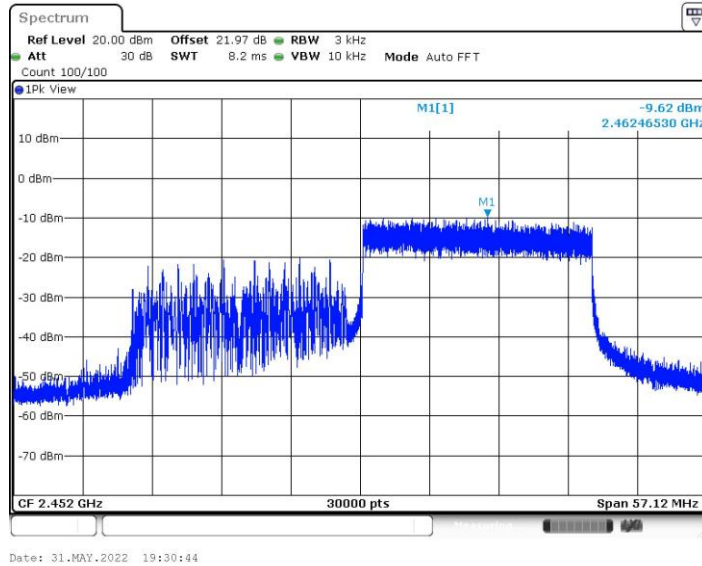


11AX40MIMO_Ant2_2422_242Tone_RU61

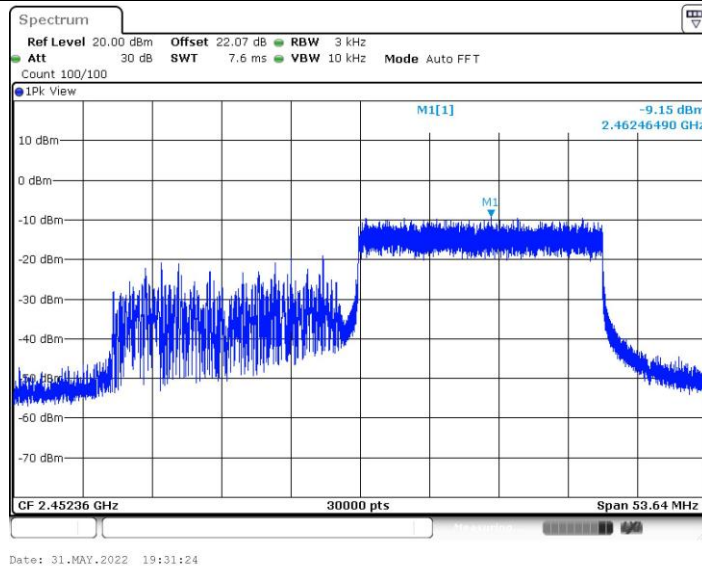




11AX40MIMO_Ant1_2452_242Tone_RU61



11AX40MIMO_Ant2_2452_242Tone_RU61

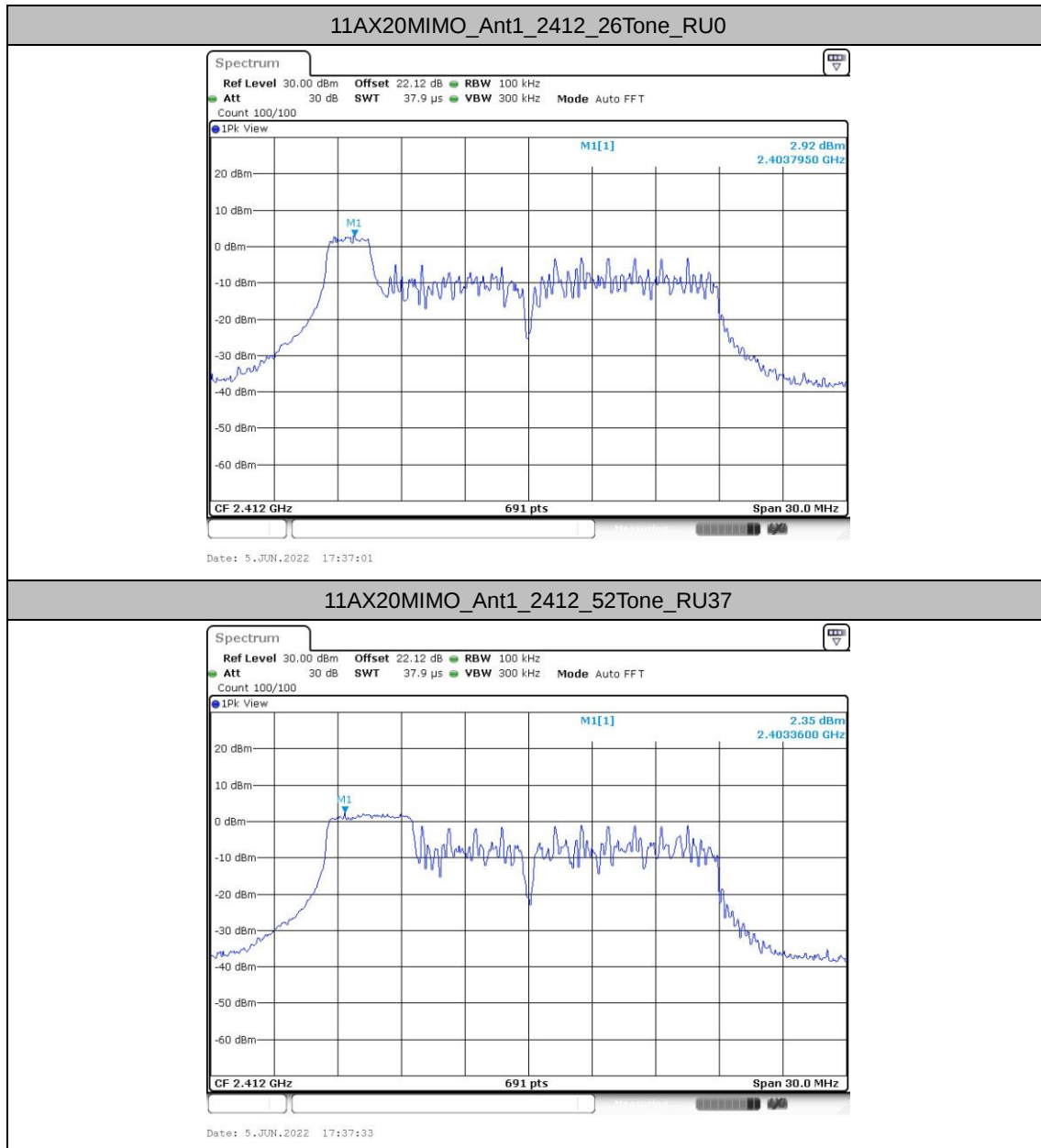


**Reference level measurement (100K PSD)****Test Result**

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11AX20MIMO	Ant1	2412	2403.80	2.92
			2403.36	2.35
			2410.35	4.03
	Ant2	2412	2403.80	2.05
			2405.75	2.22
			2405.31	3.39
	Ant1	2462	2469.90	3.66
			2468.30	2.46
			2465.95	3.78
	Ant2	2462	2469.90	3.00
			2468.30	3.11
			2466.60	3.83
11AX40MIMO	Ant1	2422	2417.66	3.28
	Ant2	2422	2412.10	2.57
	Ant1	2452	2455.21	3.05
	Ant2	2452	2457.38	2.69

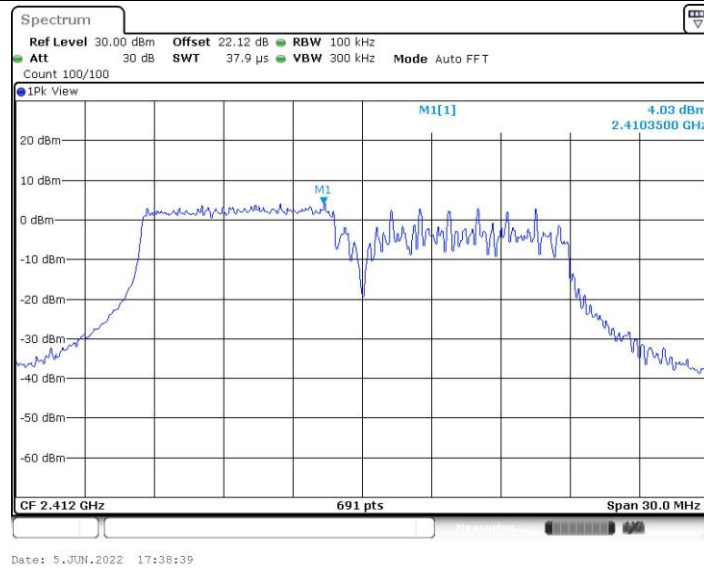


Test Graphs

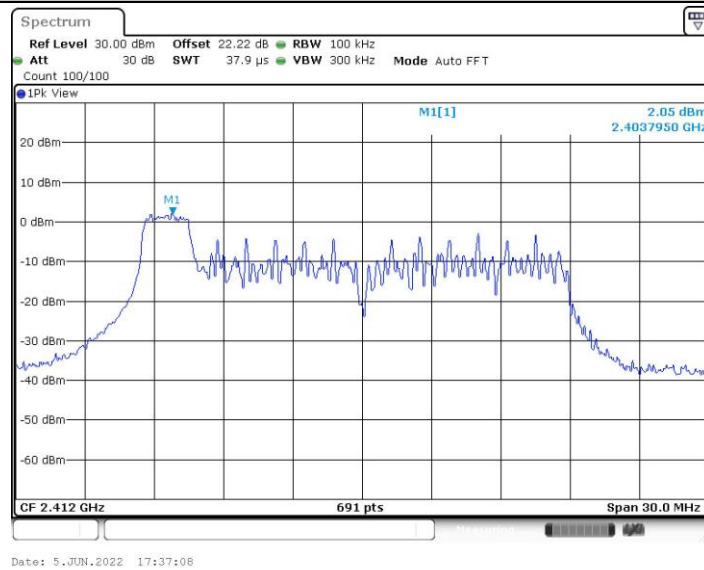




11AX20MIMO_Ant1_2412_106Tone_RU53

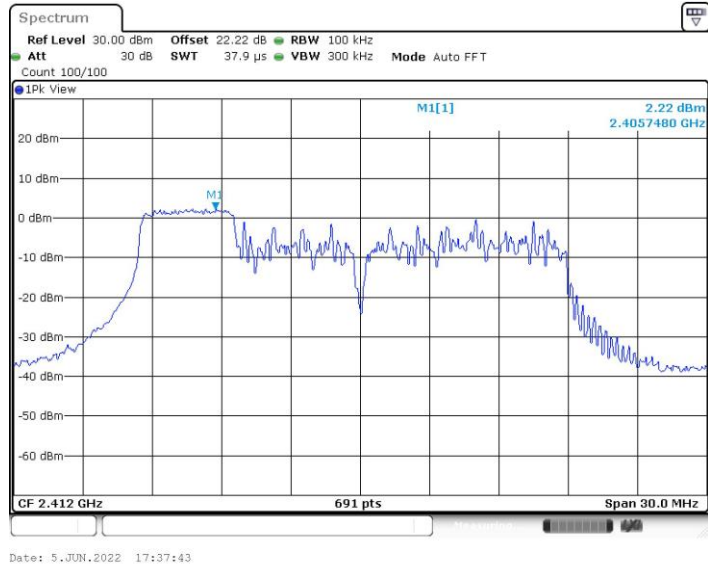


11AX20MIMO_Ant2_2412_26Tone_RU0

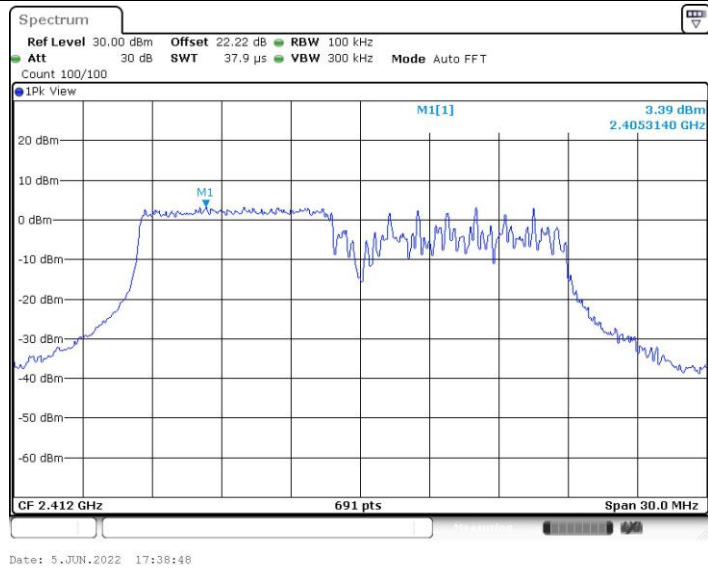




11AX20MIMO_Ant2_2412_52Tone_RU37

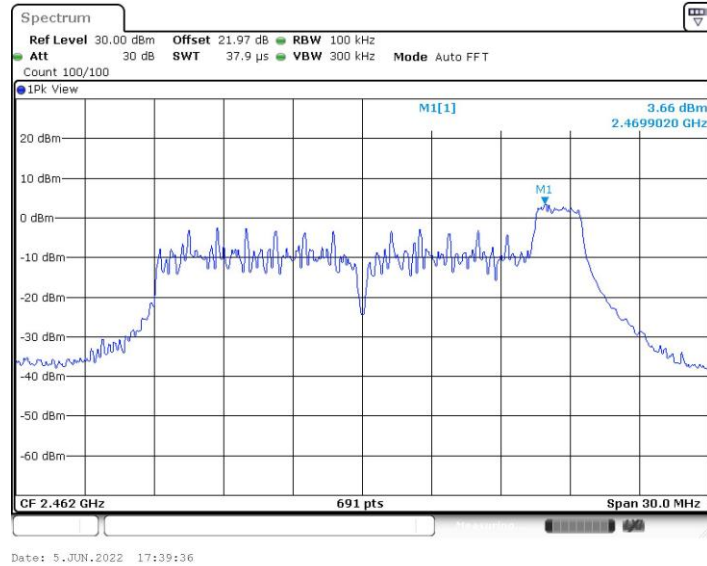


11AX20MIMO_Ant2_2412_106Tone_RU53

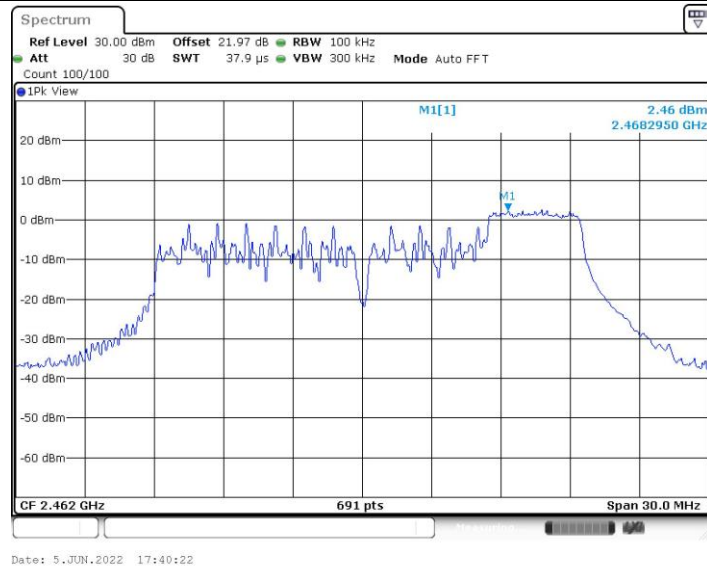




11AX20MIMO_Ant1_2462_26Tone_RU8

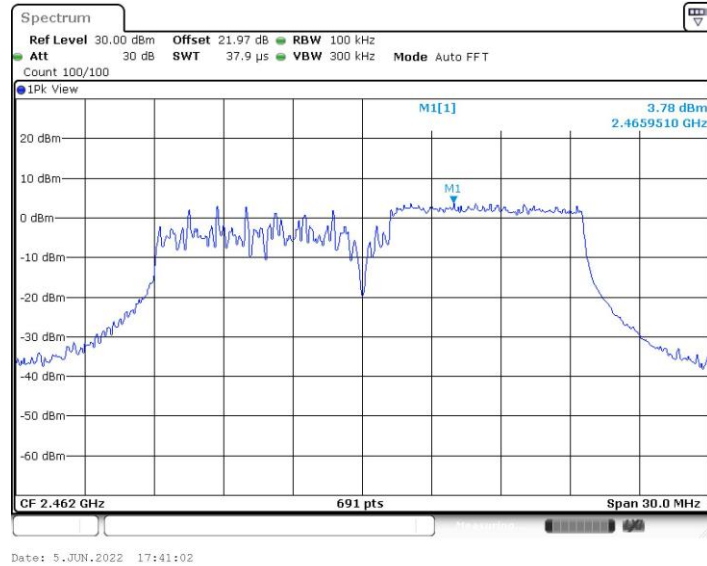


11AX20MIMO_Ant1_2462_52Tone_RU40

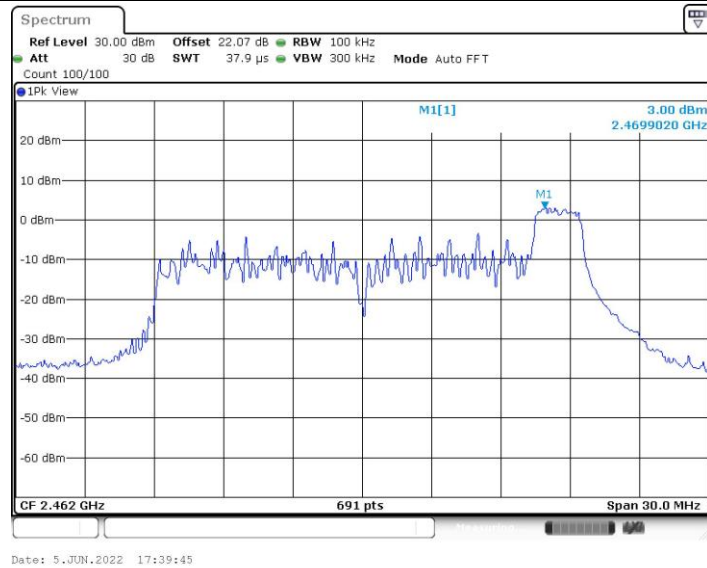




11AX20MIMO_Ant1_2462_106Tone_RU54

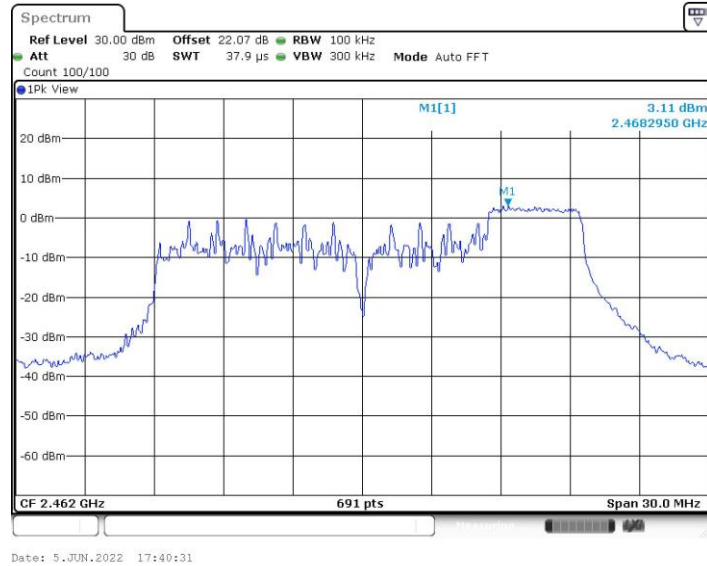


11AX20MIMO_Ant2_2462_26Tone_RU8

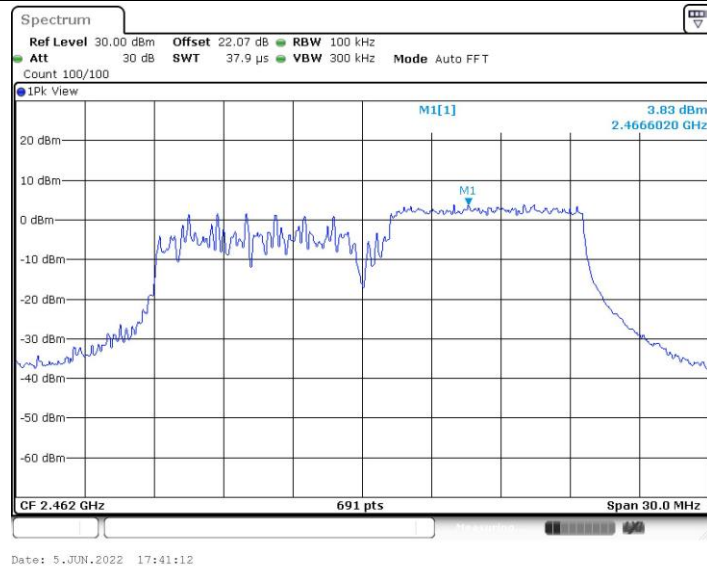




11AX20MIMO_Ant2_2462_52Tone_RU40

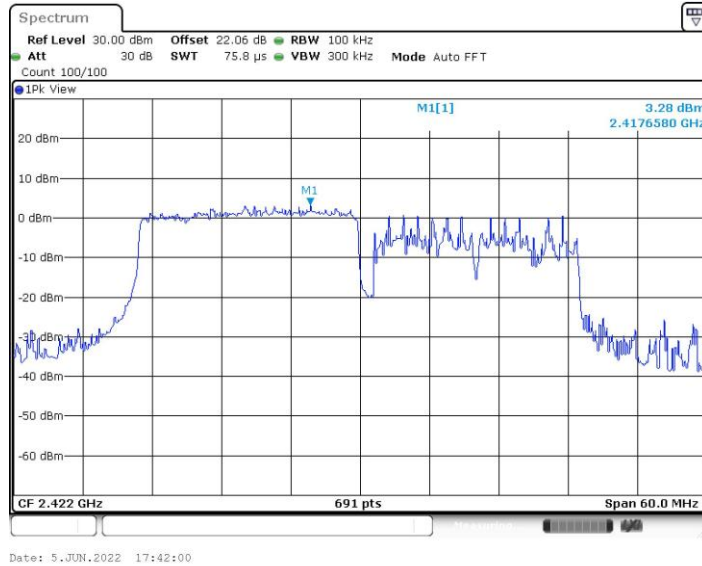


11AX20MIMO_Ant2_2462_106Tone_RU54

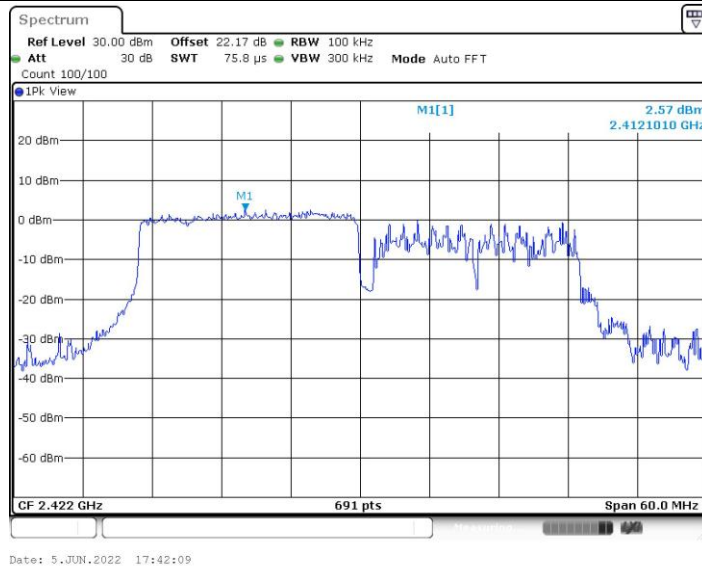




11AX40MIMO_Ant1_2422_242Tone_RU61

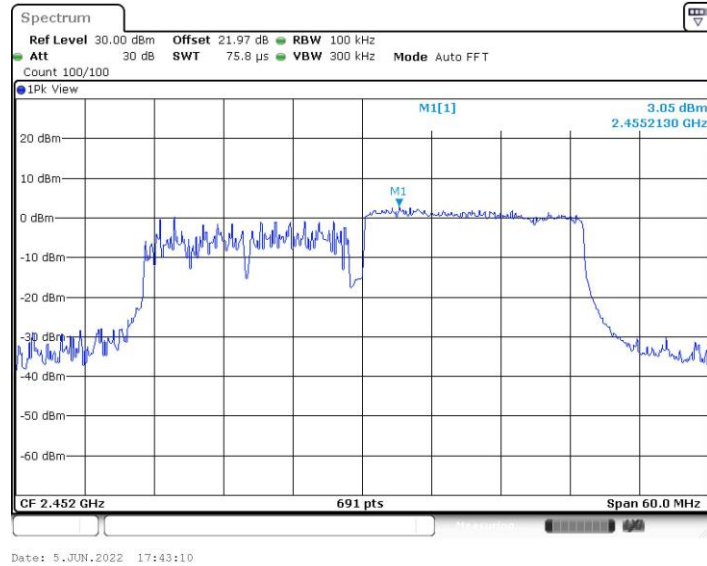


11AX40MIMO_Ant2_2422_242Tone_RU61

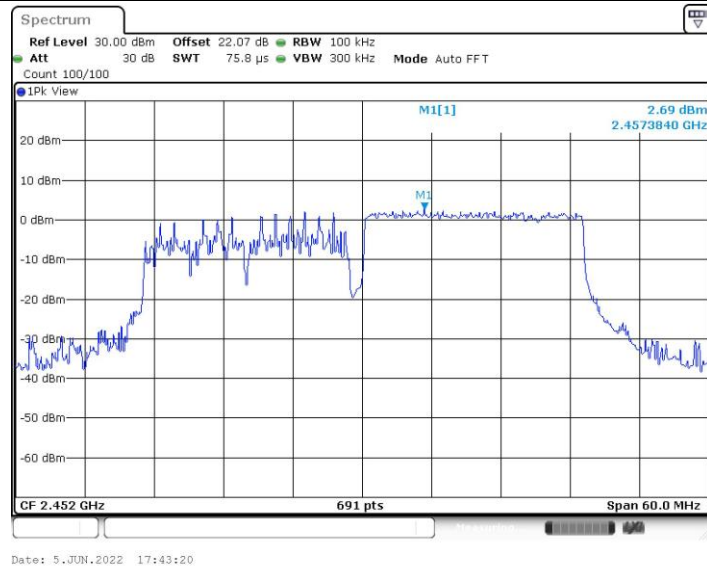




11AX40MIMO_Ant1_2452_242Tone_RU62



11AX40MIMO_Ant2_2452_242Tone_RU62





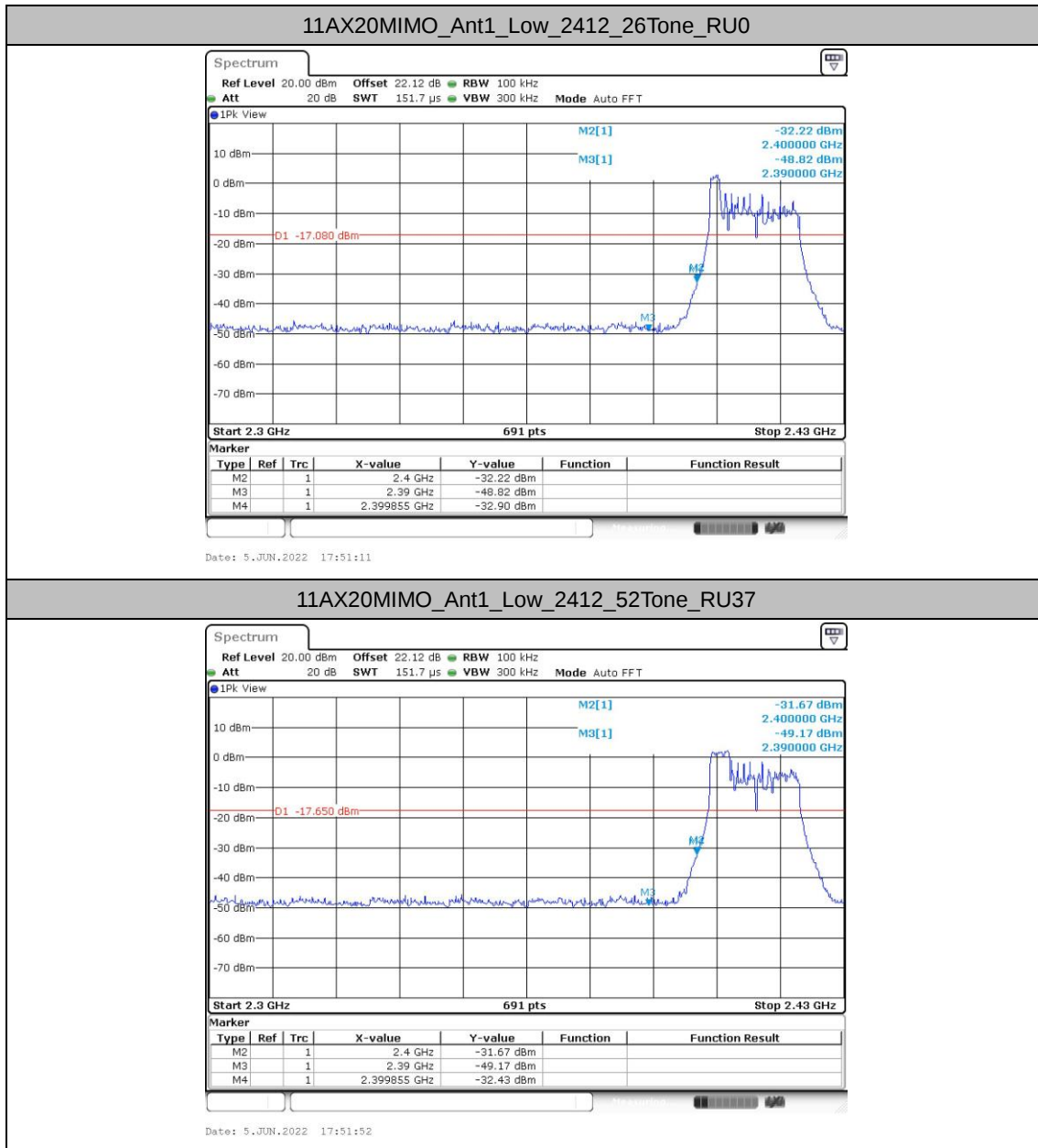
Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	Ru Size	Ru Index	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11AX20MIMO	Ant1	Low	2412	26Tone	RU0	2.92	-32.9	≤-17.08	PASS
				52Tone	RU37	2.35	-32.43	≤-17.65	PASS
				106Tone	RU53	4.03	-29.33	≤-15.97	PASS
	Ant2	Low	2412	26Tone	RU0	2.05	-33.67	≤-17.95	PASS
				52Tone	RU37	2.22	-32.19	≤-17.78	PASS
				106Tone	RU53	3.39	-31.91	≤-16.61	PASS
	Ant1	High	2462	26Tone	RU8	3.66	-44.8	≤-16.34	PASS
				52Tone	RU40	2.46	-45.42	≤-17.54	PASS
				106Tone	RU54	3.78	-44.87	≤-16.22	PASS
	Ant2	High	2462	26Tone	RU8	3.00	-44.3	≤-17	PASS
				52Tone	RU40	3.11	-44.27	≤-16.89	PASS
				106Tone	RU54	3.83	-44.46	≤-16.17	PASS
11AX40MIMO	Ant1	Low	2422	242Tone	RU61	3.28	-27.52	≤-16.72	PASS
	Ant2	Low	2422	242Tone	RU61	2.57	-28.01	≤-17.43	PASS
	Ant1	High	2452	242Tone	RU62	3.05	-30.95	≤-16.95	PASS
	Ant2	High	2452	242Tone	RU62	2.69	-33.79	≤-17.31	PASS

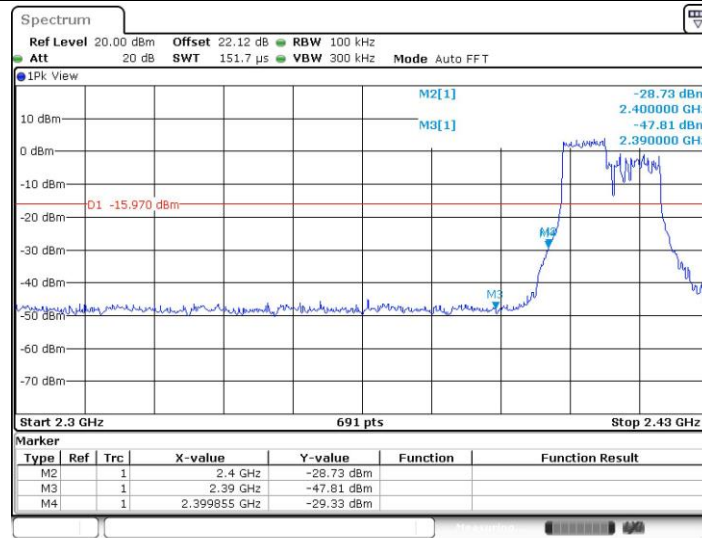


Test Graphs

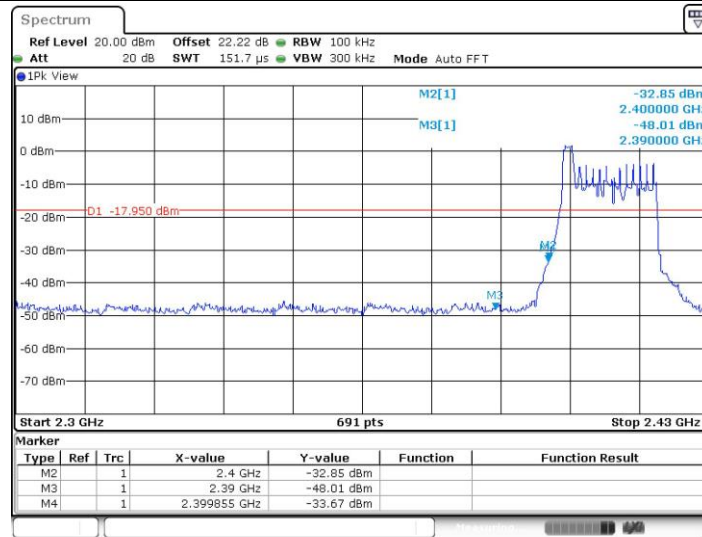




11AX20MIMO_Ant1_Low_2412_106Tone_RU53

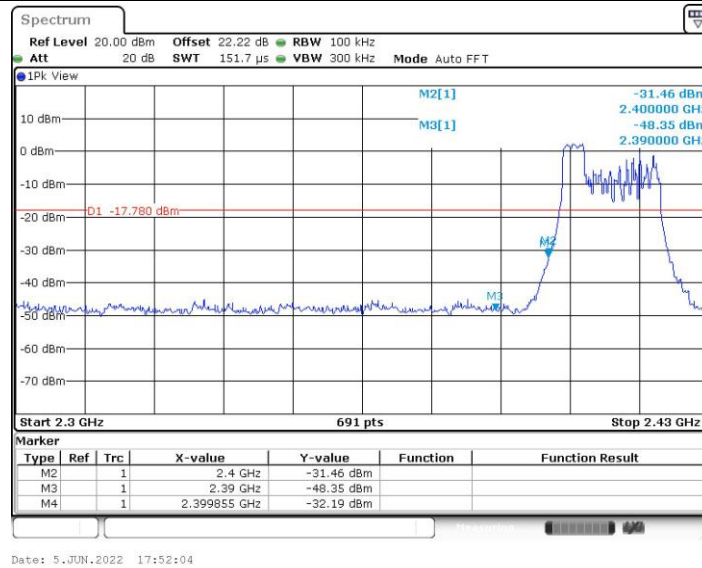


11AX20MIMO_Ant2_Low_2412_26Tone_RU0

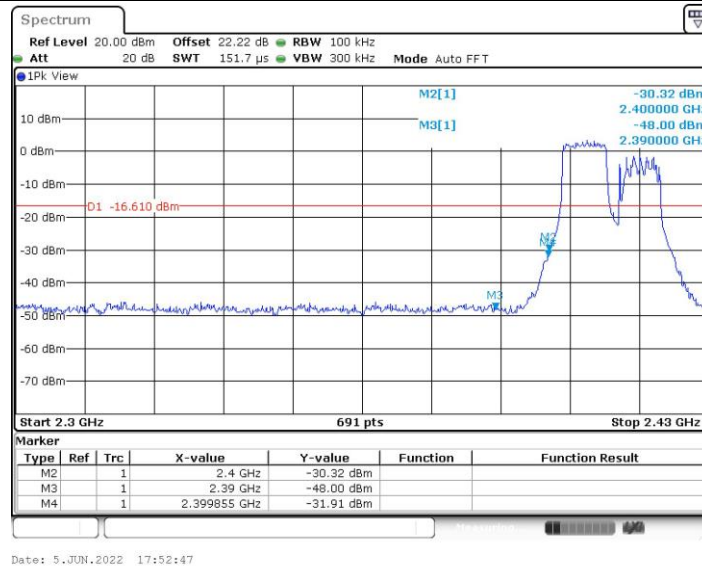




11AX20MIMO_Ant2_Low_2412_52Tone_RU37

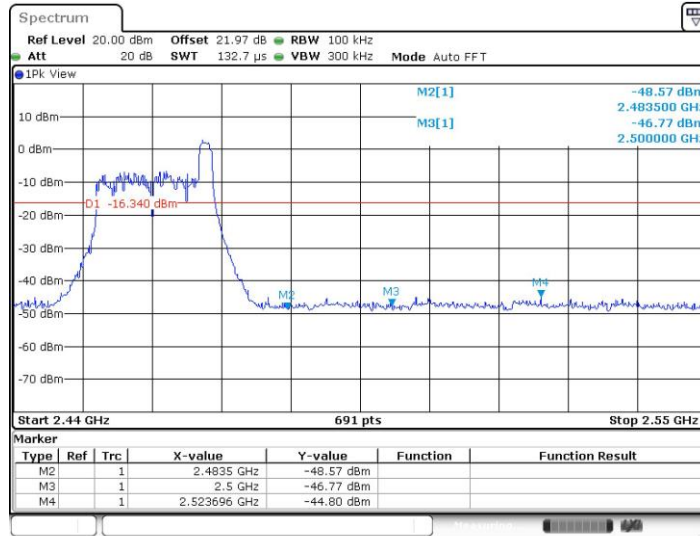


11AX20MIMO_Ant2_Low_2412_106Tone_RU53



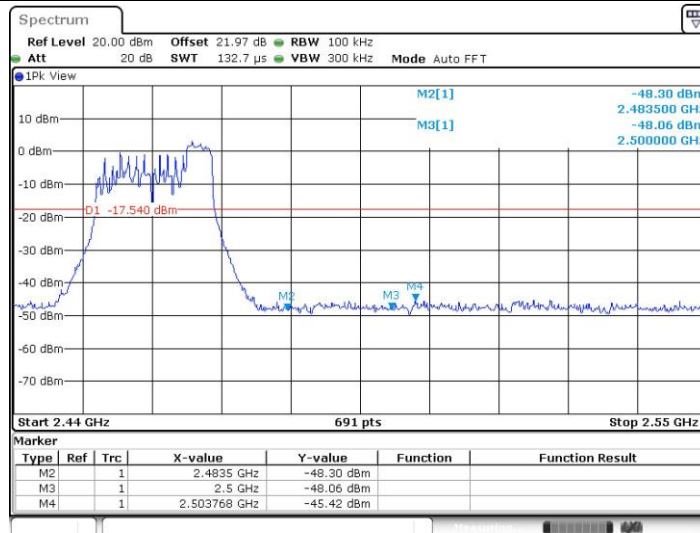


11AX20MIMO_Ant1_High_2462_26Tone_RU8



Date: 5.JUN.2022 18:00:36

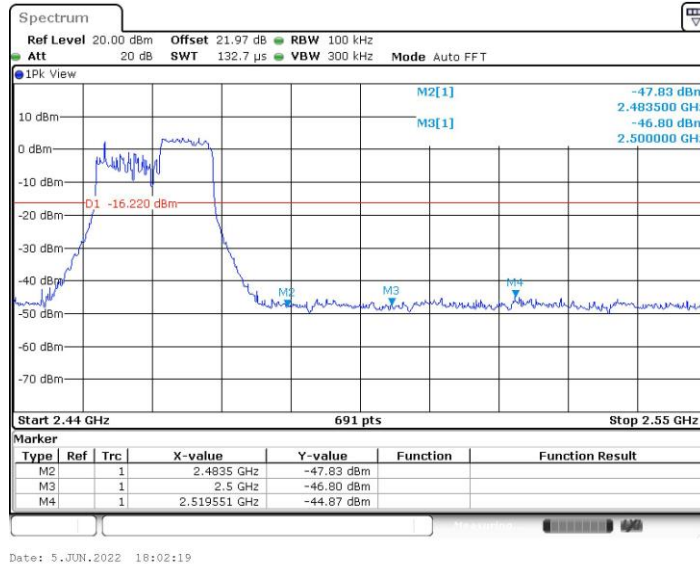
11AX20MIMO_Ant1_High_2462_52Tone_RU40



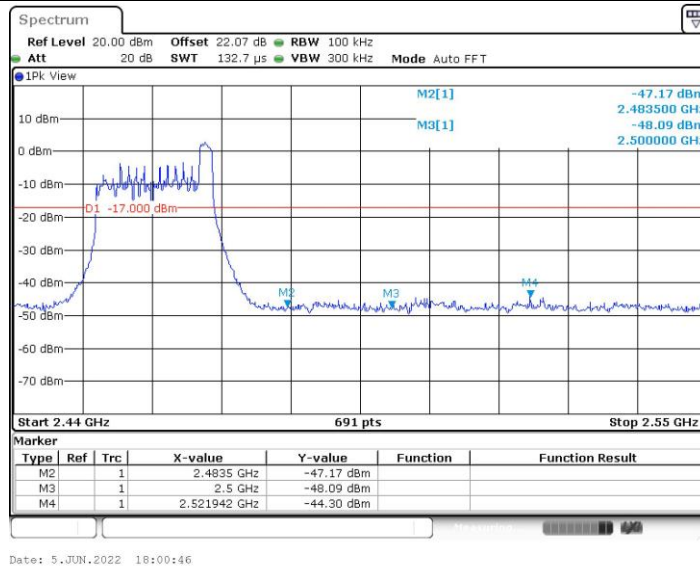
Date: 5.JUN.2022 18:01:39



11AX20MIMO_Ant1_High_2462_106Tone_RU54

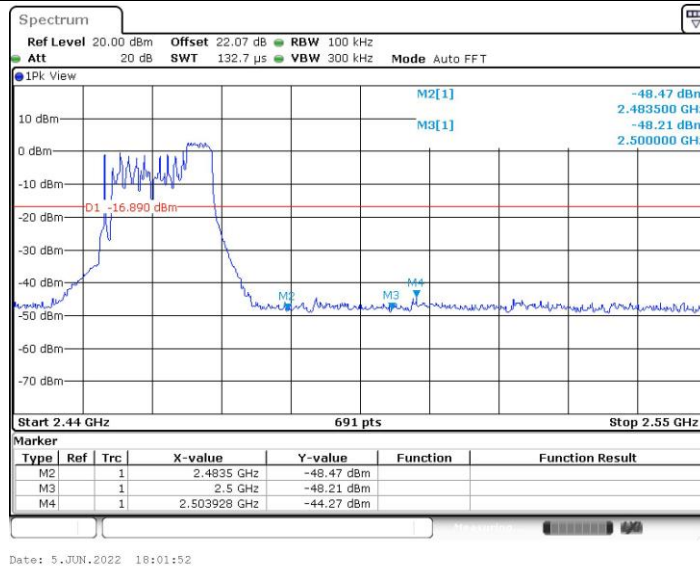


11AX20MIMO_Ant2_High_2462_26Tone_RU8

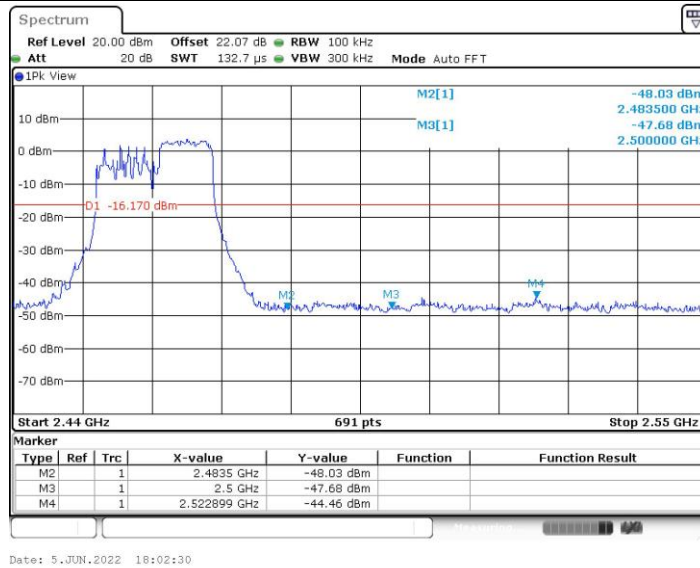




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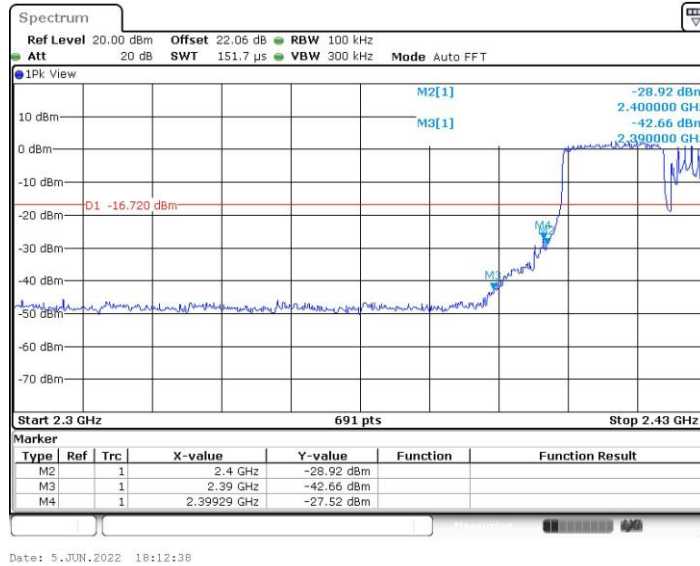


11AX20MIMO_Ant2_High_2462_106Tone_RU54

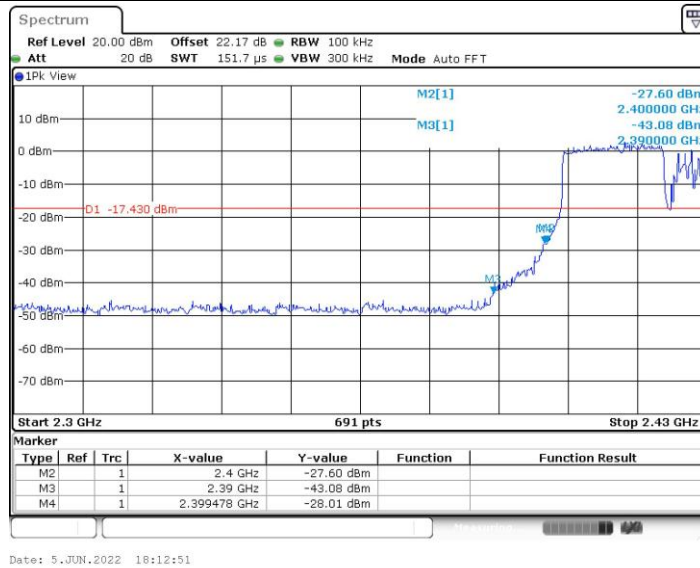




11AX40MIMO_Ant1_Low_2422_242Tone_RU61

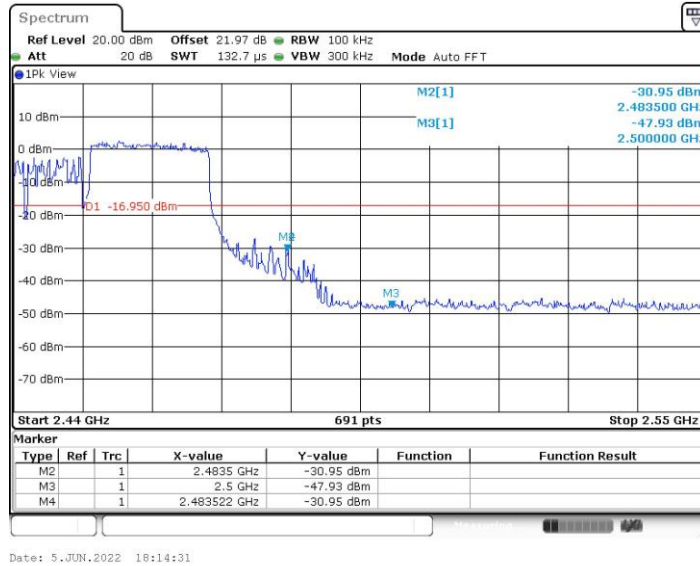


11AX40MIMO_Ant2_Low_2422_242Tone_RU61

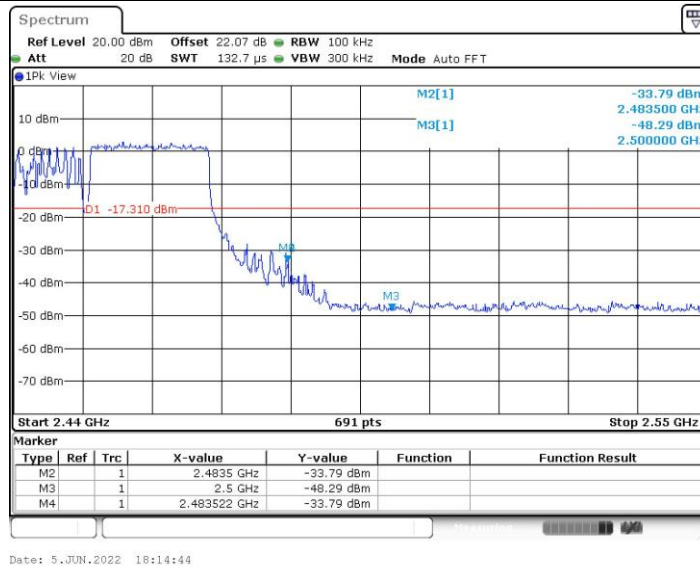




11AX40MIMO_Ant1_High_2452_242Tone_RU62



11AX40MIMO_Ant2_High_2452_242Tone_RU62





Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	Ru Size	Ru Index	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11AX20MIMO	Ant1	2412	26Tone	RU0	30~1000	2.92	-56.08	≤-17.08	PASS
				RU0	1000~26500	2.92	-45.94	≤-17.08	PASS
			52Tone	RU37	30~1000	2.35	-56.53	≤-17.65	PASS
				RU37	1000~26500	2.35	-46.59	≤-17.65	PASS
			106Tone	RU53	30~1000	4.03	-56.60	≤-15.97	PASS
				RU53	1000~26500	4.03	-47.26	≤-15.97	PASS
	Ant2	2412	26Tone	RU0	30~1000	2.05	-56.80	≤-17.95	PASS
				RU0	1000~26500	2.05	-47.46	≤-17.95	PASS
			52Tone	RU37	30~1000	2.22	-55.83	≤-17.78	PASS
				RU37	1000~26500	2.22	-46.93	≤-17.78	PASS
			106Tone	RU53	30~1000	3.39	-56.66	≤-16.61	PASS
				RU53	1000~26500	3.39	-45.71	≤-16.61	PASS
	Ant1	2462	26Tone	RU8	30~1000	3.66	-56.94	≤-16.34	PASS
				RU8	1000~26500	3.66	-46.87	≤-16.34	PASS
			52Tone	RU40	30~1000	2.46	-56.48	≤-17.54	PASS
				RU40	1000~26500	2.46	-47.09	≤-17.54	PASS
			106Tone	RU54	30~1000	3.78	-56.63	≤-16.22	PASS
				RU54	1000~26500	3.78	-46.67	≤-16.22	PASS
	Ant2	2462	26Tone	RU8	30~1000	3.00	-56.11	≤-17	PASS
				RU8	1000~26500	3.00	-46.94	≤-17	PASS
			52Tone	RU40	30~1000	3.11	-56.20	≤-16.89	PASS
				RU40	1000~26500	3.11	-46.61	≤-16.89	PASS
			106Tone	RU54	30~1000	3.83	-55.62	≤-16.17	PASS
				RU54	1000~26500	3.83	-46.65	≤-16.17	PASS
11AX40MIMO	Ant1	2422	242Tone	RU61	30~1000	3.28	-56.99	≤-16.72	PASS
				RU61	1000~26500	3.28	-47.28	≤-16.72	PASS
	Ant2	2422	242Tone	RU61	30~1000	2.57	-55.81	≤-17.43	PASS
				RU61	1000~26500	2.57	-46.88	≤-17.43	PASS
	Ant1	2452	242Tone	RU62	30~1000	3.05	-57.06	≤-16.95	PASS
				RU62	1000~26500	3.05	-46.86	≤-16.95	PASS
	Ant2	2452	242Tone	RU62	30~1000	2.69	-55.84	≤-17.31	PASS
				RU62	1000~26500	2.69	-47.14	≤-17.31	PASS



Test Graphs

