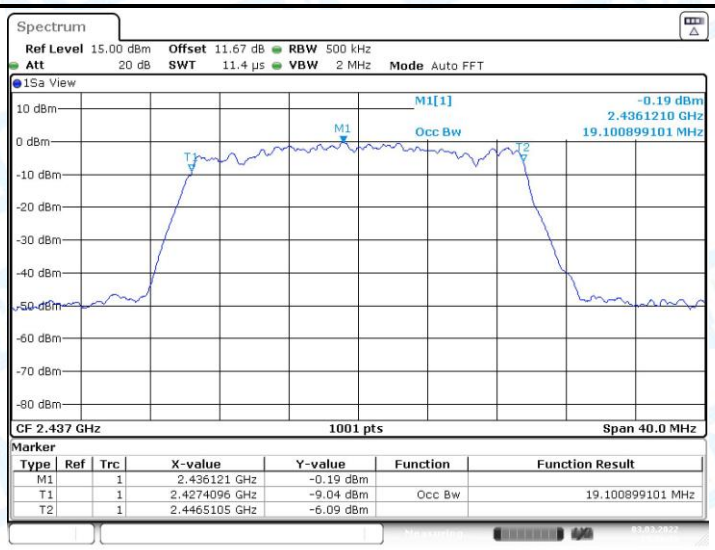
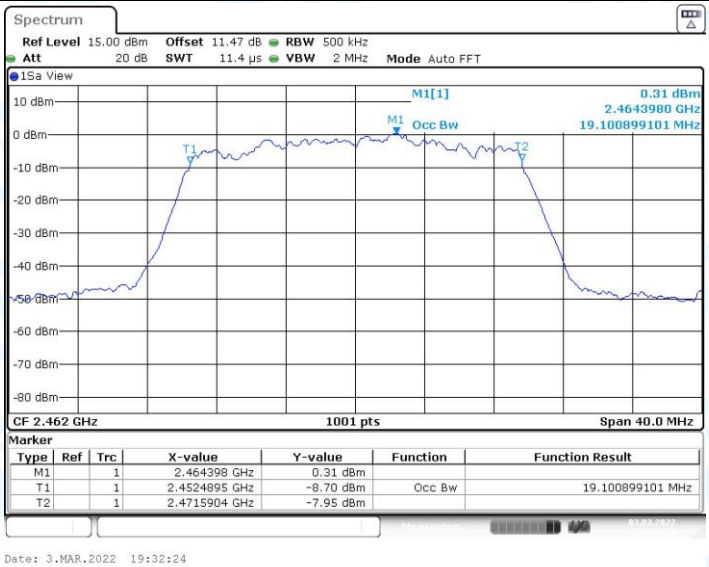
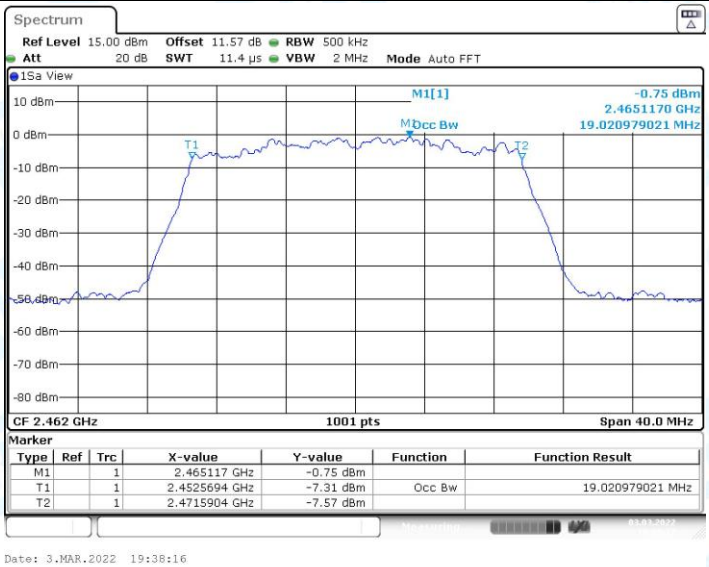


11AX20MIMO_Ant2_2437



11AX20MIMO_Ant1_2462



11AX20MIMO_Ant2_2462

3. Maximum conducted output power

3.1.Test Result

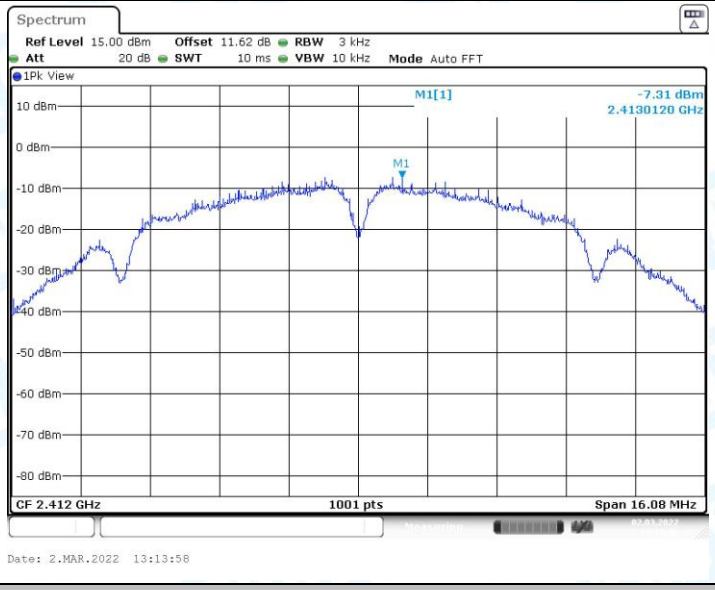
TestMode	Antenna	Channel	Power [dBm]	Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.60	≤30.00	17.48	≤36.00	PASS
	Ant2	2412	16.13	≤30.00	19.08	≤36.00	PASS
	Ant1	2437	15.35	≤30.00	17.23	≤36.00	PASS
	Ant2	2437	15.41	≤30.00	18.36	≤36.00	PASS
	Ant1	2462	15.33	≤30.00	17.21	≤36.00	PASS
	Ant2	2462	14.74	≤30.00	17.69	≤36.00	PASS
11G	Ant1	2412	15.40	≤30.00	17.28	≤36.00	PASS
	Ant2	2412	15.63	≤30.00	18.58	≤36.00	PASS
	Ant1	2437	15.11	≤30.00	16.99	≤36.00	PASS
	Ant2	2437	14.46	≤30.00	17.41	≤36.00	PASS
	Ant1	2462	15.34	≤30.00	17.22	≤36.00	PASS
	Ant2	2462	15.43	≤30.00	18.38	≤36.00	PASS
11N20MIMO	Ant1	2412	13.49	≤30.00	15.37	≤36.00	PASS
	Ant2	2412	12.21	≤30.00	15.16	≤36.00	PASS
	total	2412	15.91	≤30.00	18.28	≤36.00	PASS
	Ant1	2437	12.88	≤30.00	14.76	≤36.00	PASS
	Ant2	2437	12.23	≤30.00	15.18	≤36.00	PASS
	total	2437	15.58	≤30.00	17.99	≤36.00	PASS
	Ant1	2462	13.41	≤30.00	15.29	≤36.00	PASS
	Ant2	2462	13.05	≤30.00	16.00	≤36.00	PASS
	total	2462	16.24	≤30.00	18.67	≤36.00	PASS
11AX20MIMO	Ant1	2412	14.23	≤30.00	16.11	≤36.00	PASS
	Ant2	2412	14.91	≤30.00	17.86	≤36.00	PASS
	total	2412	17.59	≤30.00	20.08	≤36.00	PASS
	Ant1	2437	13.93	≤30.00	15.81	≤36.00	PASS
	Ant2	2437	14.02	≤30.00	16.97	≤36.00	PASS
	total	2437	16.99	≤30.00	19.44	≤36.00	PASS
	Ant1	2462	13.83	≤30.00	15.71	≤36.00	PASS
	Ant2	2462	13.61	≤30.00	16.56	≤36.00	PASS
	total	2462	16.73	≤30.00	19.17	≤36.00	PASS

4. Maximum power spectral density

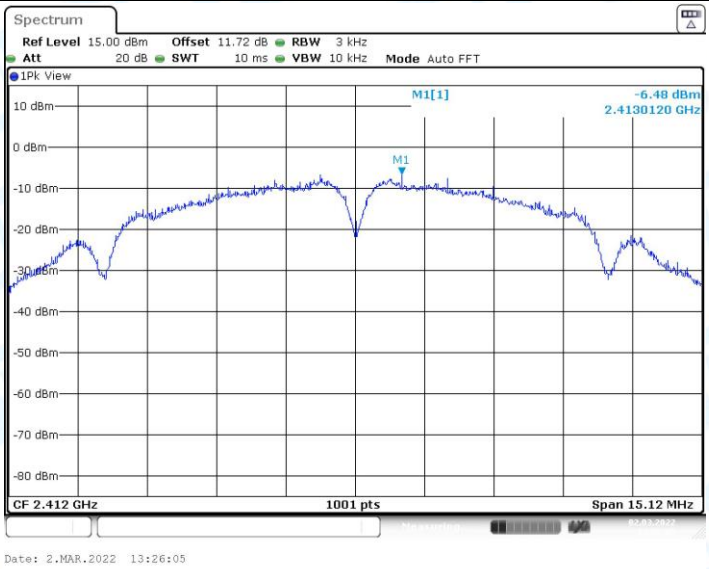
4.1.Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.31	≤8.00	PASS
	Ant2	2412	-6.48	≤8.00	PASS
	Ant1	2437	-7.77	≤8.00	PASS
	Ant2	2437	-7.44	≤8.00	PASS
	Ant1	2462	-8.37	≤8.00	PASS
	Ant2	2462	-8.19	≤8.00	PASS
11G	Ant1	2412	-16.38	≤8.00	PASS
	Ant2	2412	-16.22	≤8.00	PASS
	Ant1	2437	-16.78	≤8.00	PASS
	Ant2	2437	-17.48	≤8.00	PASS
	Ant1	2462	-16.55	≤8.00	PASS
	Ant2	2462	-16.46	≤8.00	PASS
11N20MIMO	Ant1	2412	-18.17	≤8.00	PASS
	Ant2	2412	-19.46	≤8.00	PASS
	total	2412	-15.76	≤8.00	PASS
	Ant1	2437	-18.93	≤8.00	PASS
	Ant2	2437	-19.4	≤8.00	PASS
	total	2437	-16.15	≤8.00	PASS
	Ant1	2462	-17.97	≤8.00	PASS
	Ant2	2462	-18.65	≤8.00	PASS
	total	2462	-15.29	≤8.00	PASS
11AX20MIMO	Ant1	2412	-14.86	≤8.00	PASS
	Ant2	2412	-18.74	≤8.00	PASS
	total	2412	-13.37	≤8.00	PASS
	Ant1	2437	-19.09	≤8.00	PASS
	Ant2	2437	-19.67	≤8.00	PASS
	total	2437	-16.36	≤8.00	PASS
	Ant1	2462	-18.26	≤8.00	PASS
	Ant2	2462	-18.6	≤8.00	PASS
	total	2462	-15.42	≤8.00	PASS

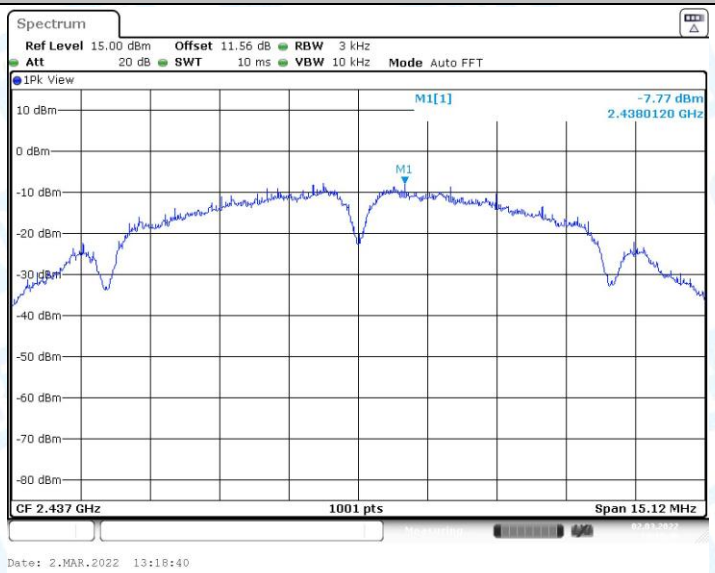
4.2.Test Graphs



11B_Ant1_2412



11B_Ant2_2412



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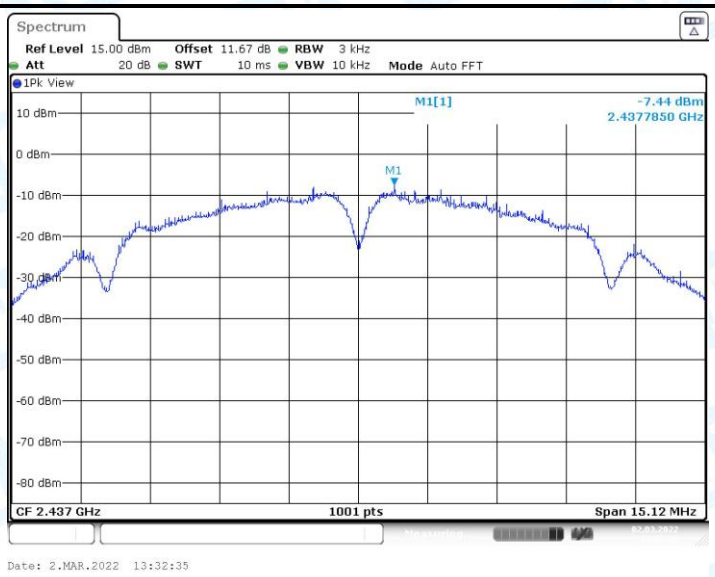

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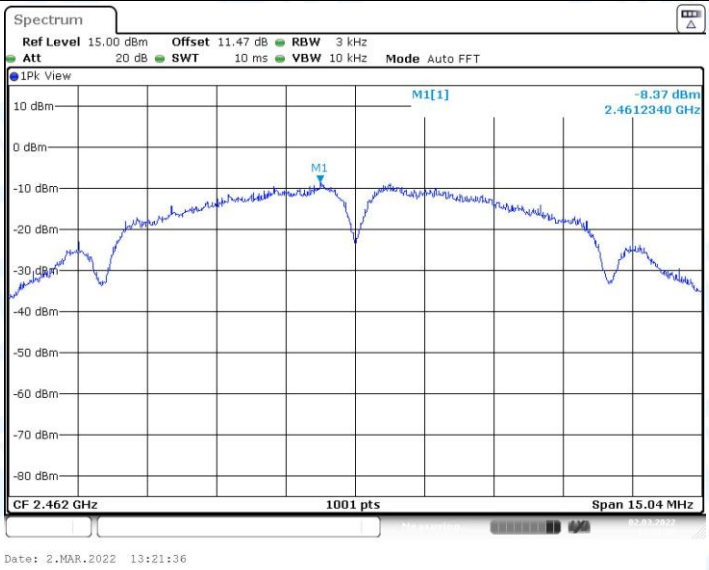

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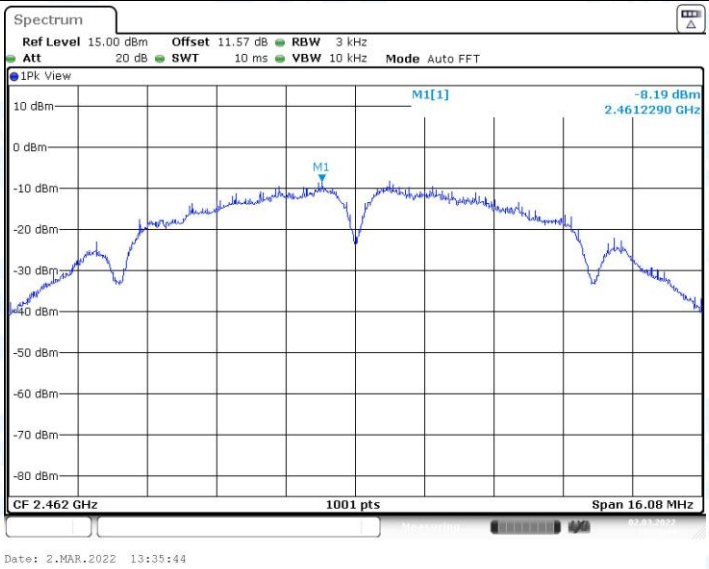

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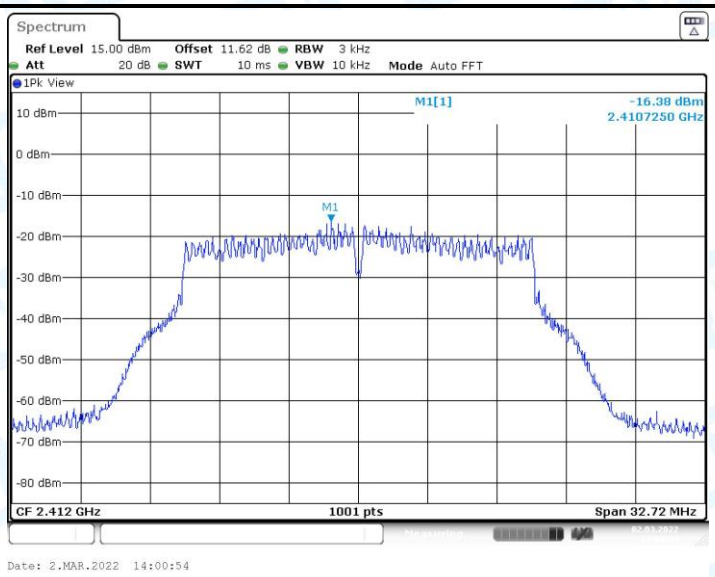

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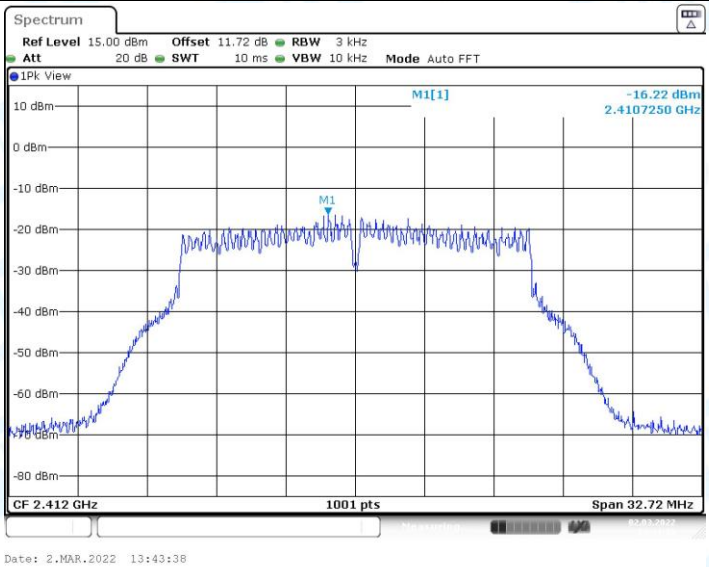

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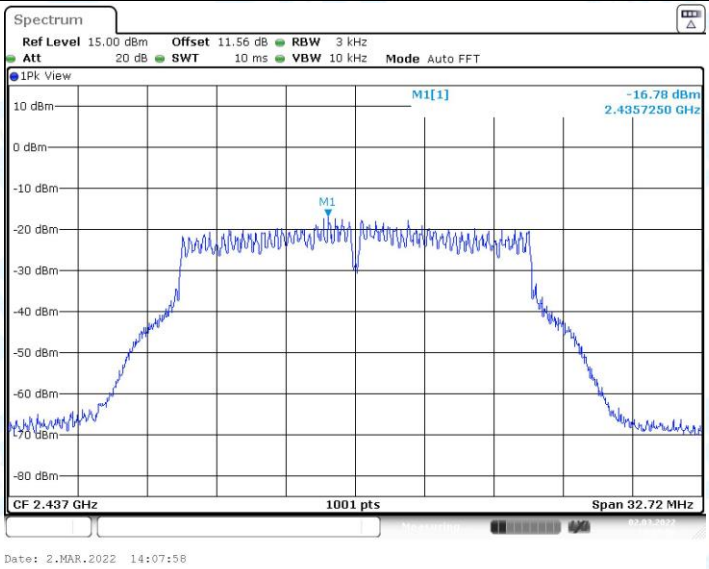
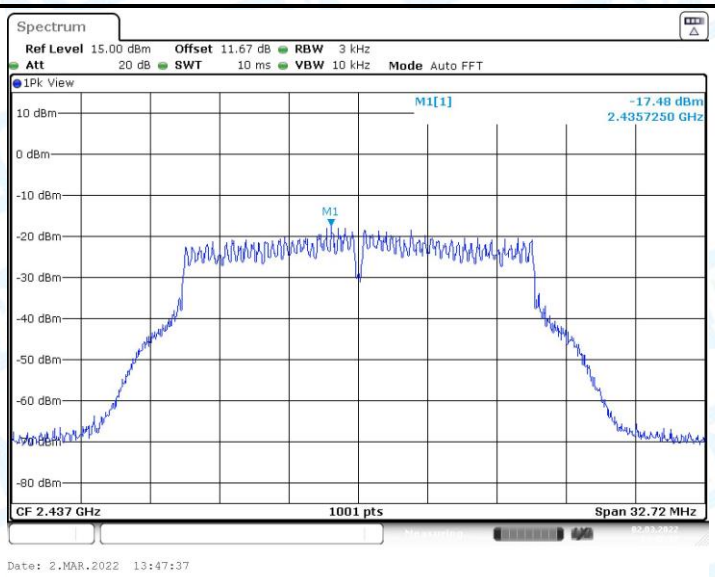


11G_Ant1_2437



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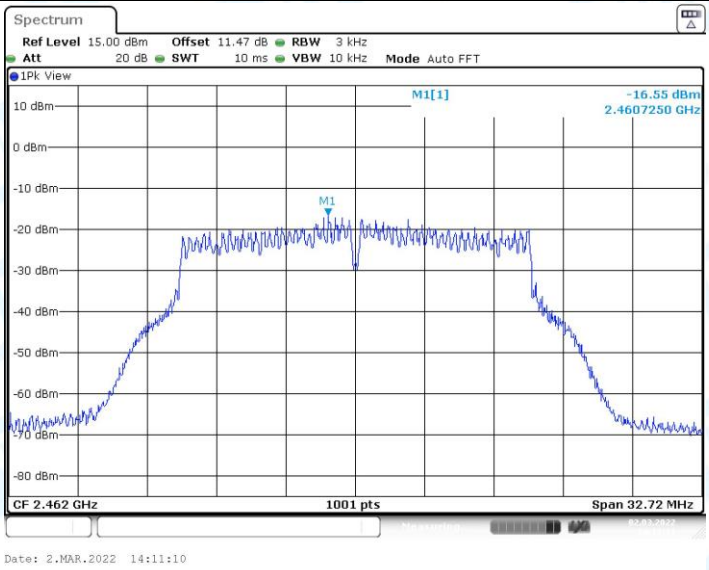

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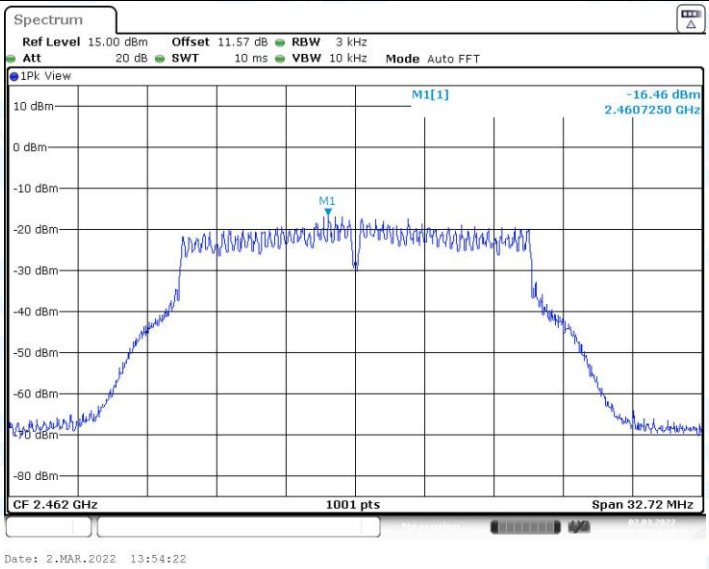

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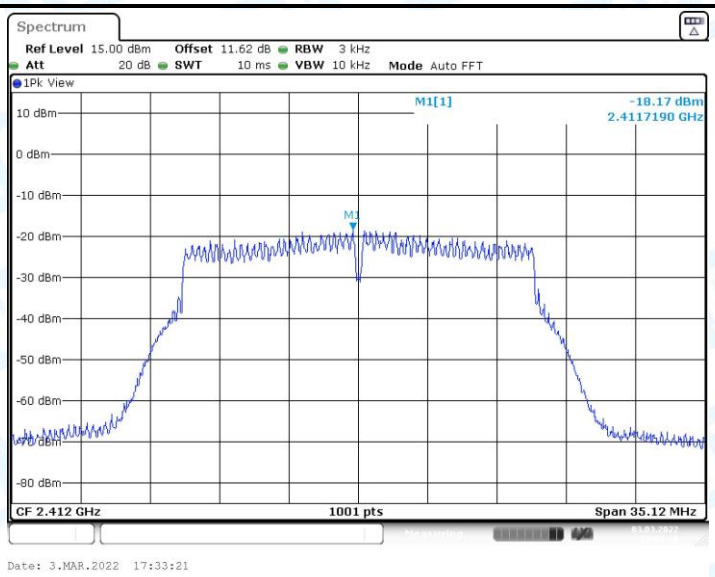

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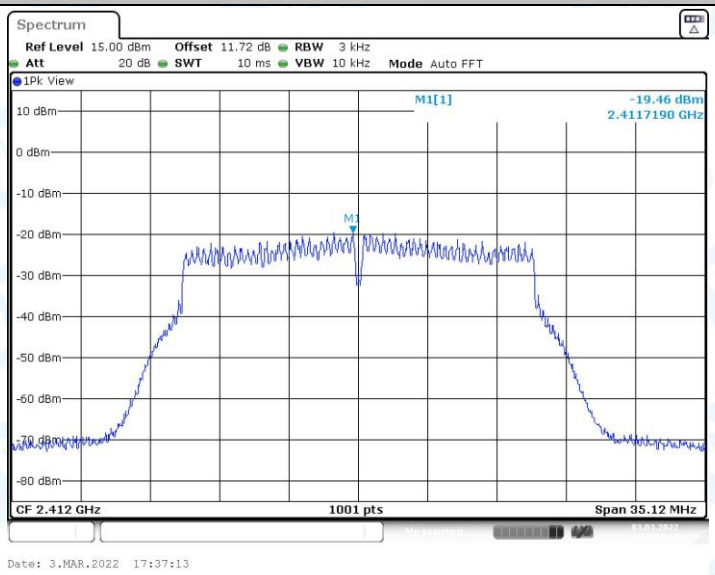

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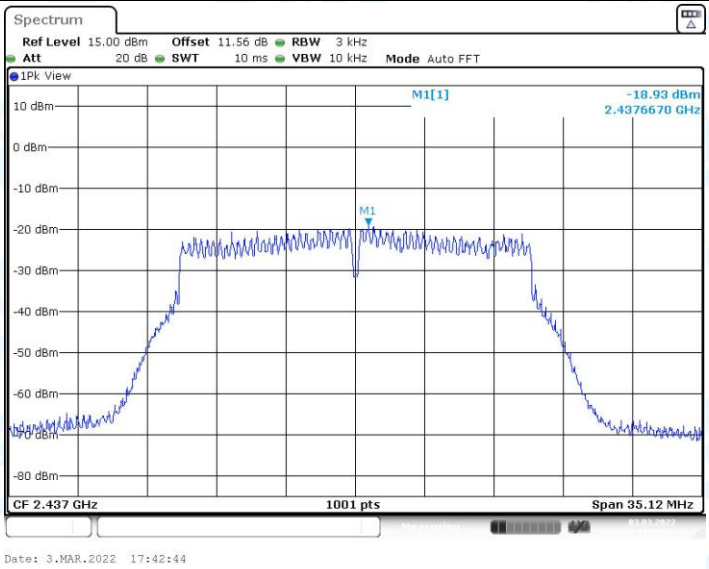

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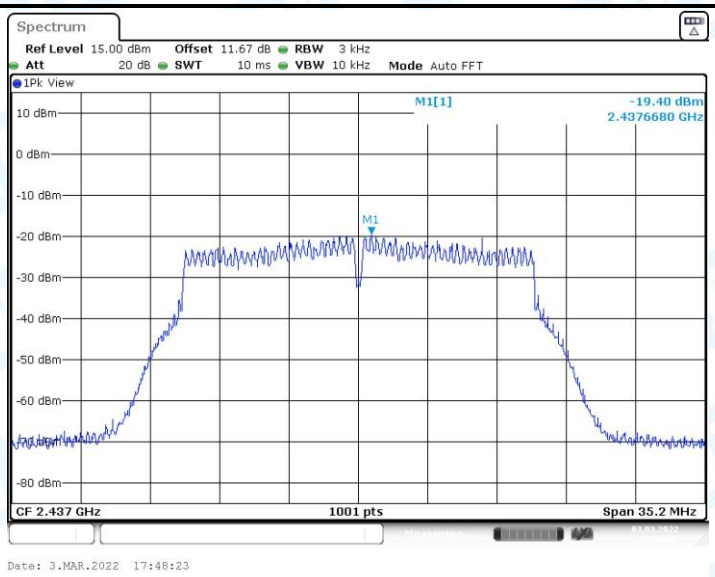

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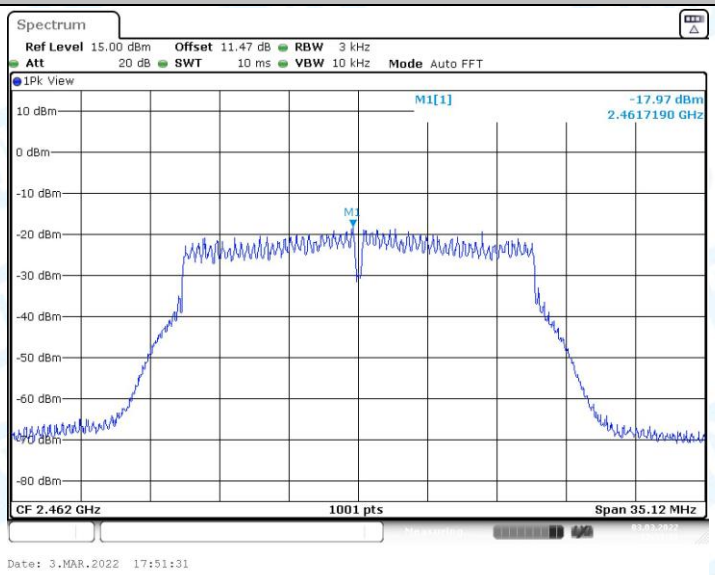

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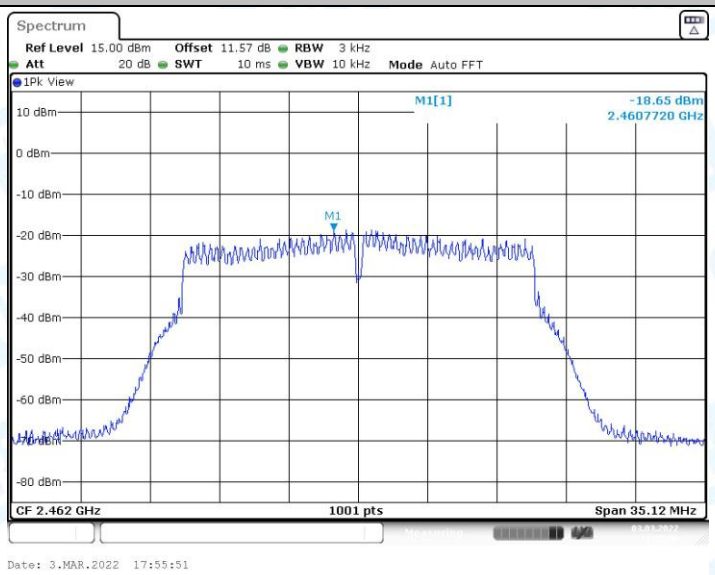

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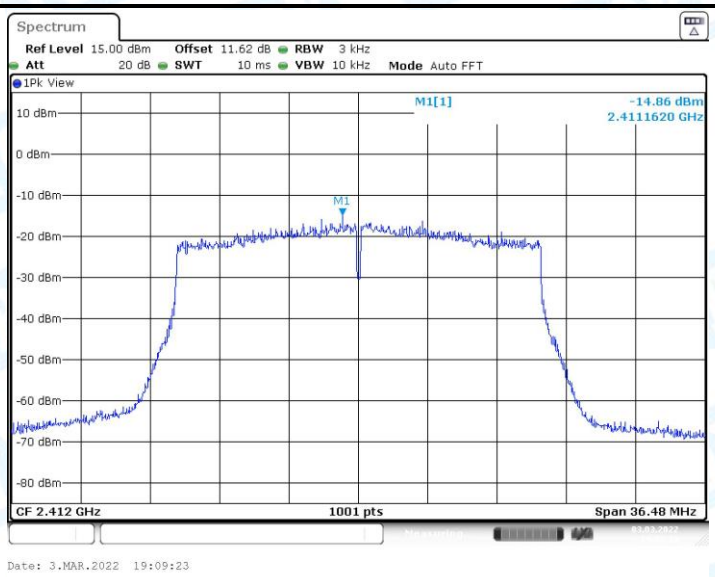

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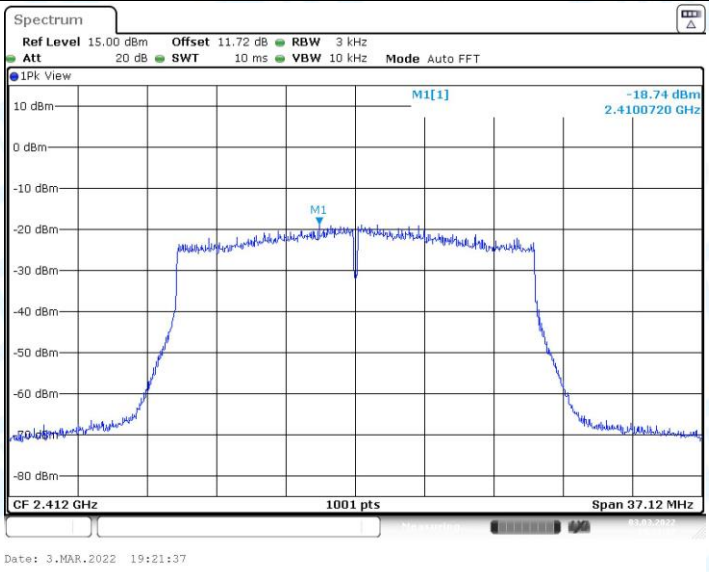
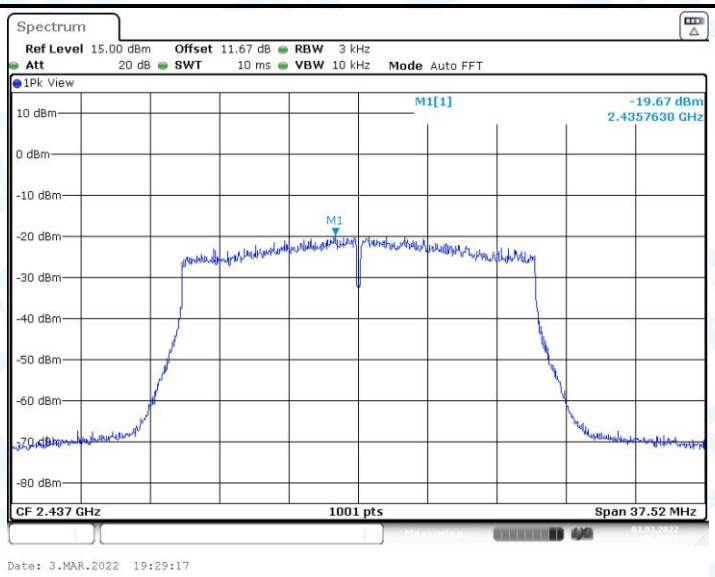


11AX20MIMO_Ant2_2412

11AX20MIMO_Ant1_2437



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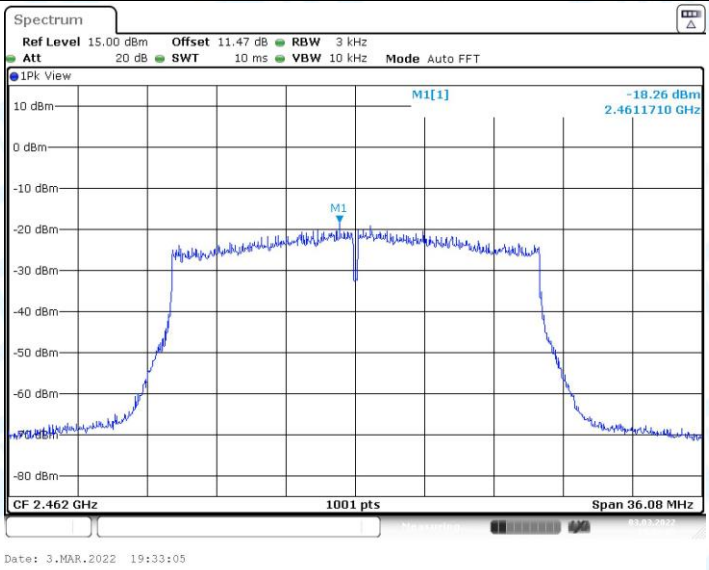
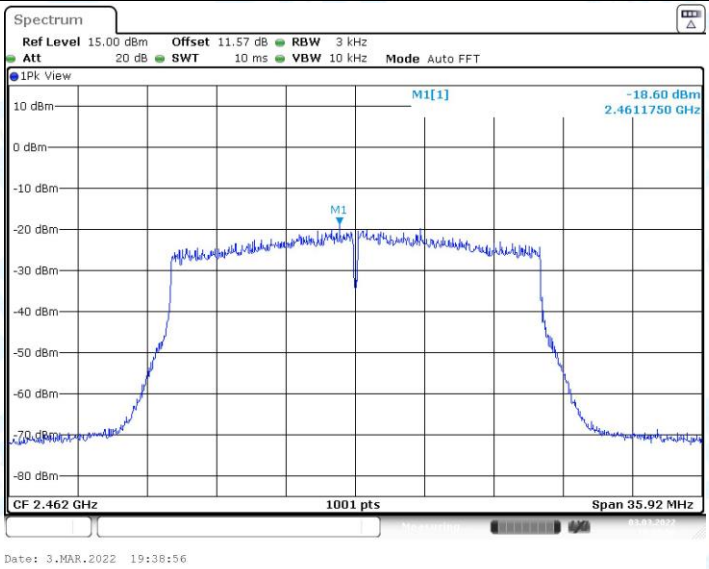


11AX20MIMO_Ant1_2462



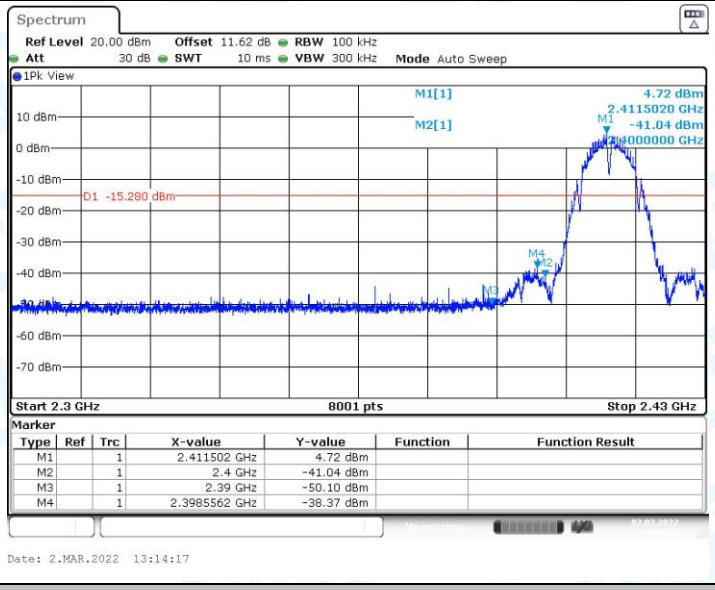
11AX20MIMO_Ant2_2462

5. Band edge measurements

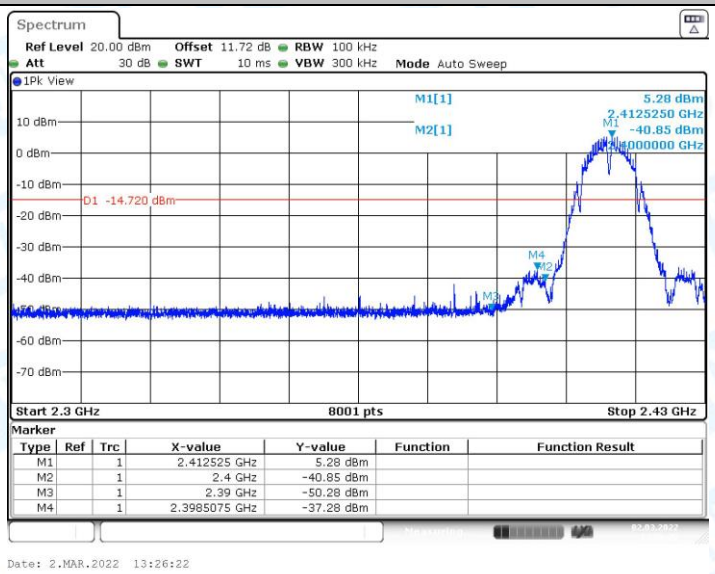
5.1.Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.72	-38.37	≤-15.28	PASS
	Ant2	Low	2412	5.28	-37.28	≤-14.72	PASS
	Ant1	High	2462	4.01	-44.49	≤-15.99	PASS
	Ant2	High	2462	3.67	-45.21	≤-16.33	PASS
11G	Ant1	Low	2412	-4.91	-45.14	≤-24.91	PASS
	Ant2	Low	2412	-4.69	-46.99	≤-24.69	PASS
	Ant1	High	2462	-5.03	-46.86	≤-25.03	PASS
	Ant2	High	2462	-4.91	-46.75	≤-24.91	PASS
11N20MIMO	Ant1	Low	2412	-6.80	-46.7	≤-26.8	PASS
	Ant2	Low	2412	-7.95	-47.74	≤-27.95	PASS
	Ant1	High	2462	-6.98	-45.64	≤-26.98	PASS
	Ant2	High	2462	-7.06	-46.67	≤-27.06	PASS
11AX20MIMO	Ant1	Low	2412	-4.29	-45.6	≤-24.29	PASS
	Ant2	Low	2412	-6.45	-46.96	≤-26.45	PASS
	Ant1	High	2462	-7.18	-47.05	≤-27.18	PASS
	Ant2	High	2462	-7.72	-47.05	≤-27.72	PASS

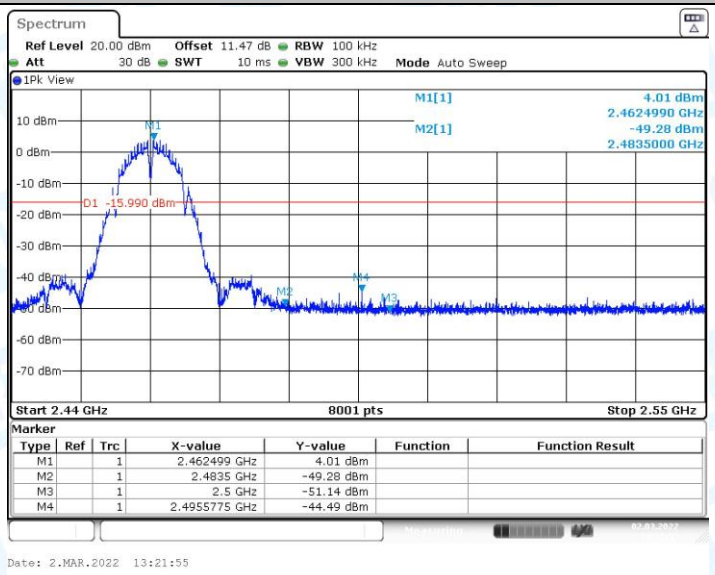
5.2.Test Graphs



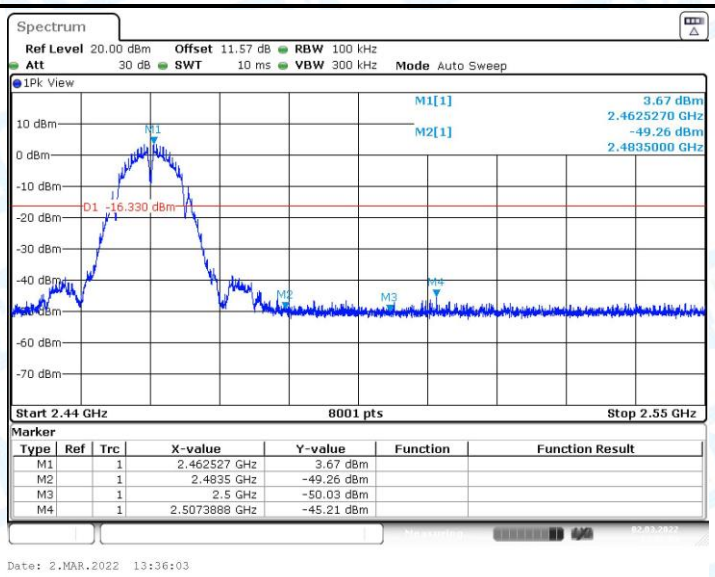
11B_Ant1_Low_2412



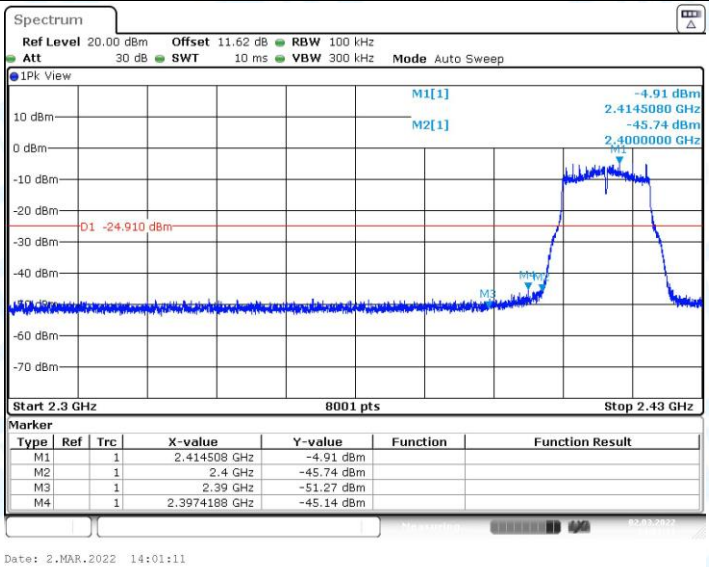
11B_Ant2_Low_2412



11B_Ant1_High_2462



11B_Ant2_High_2462



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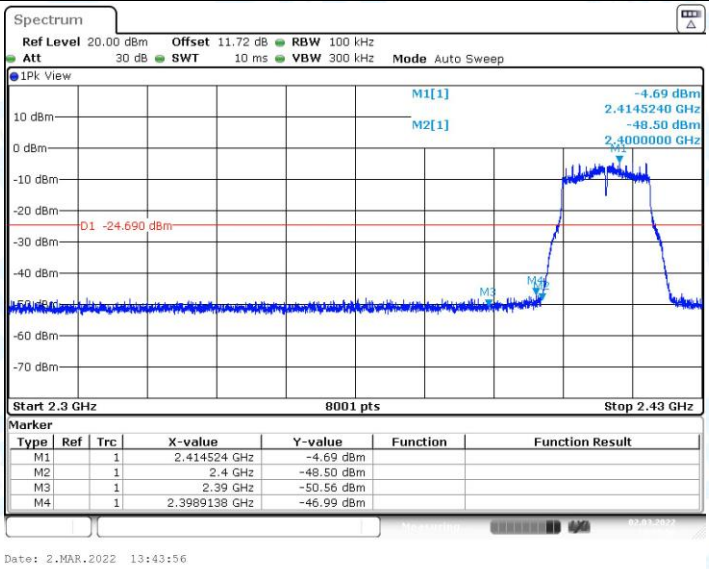

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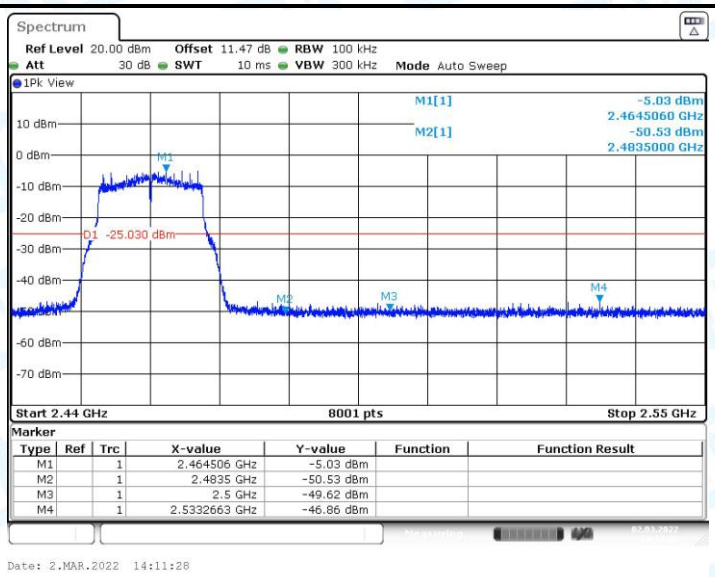
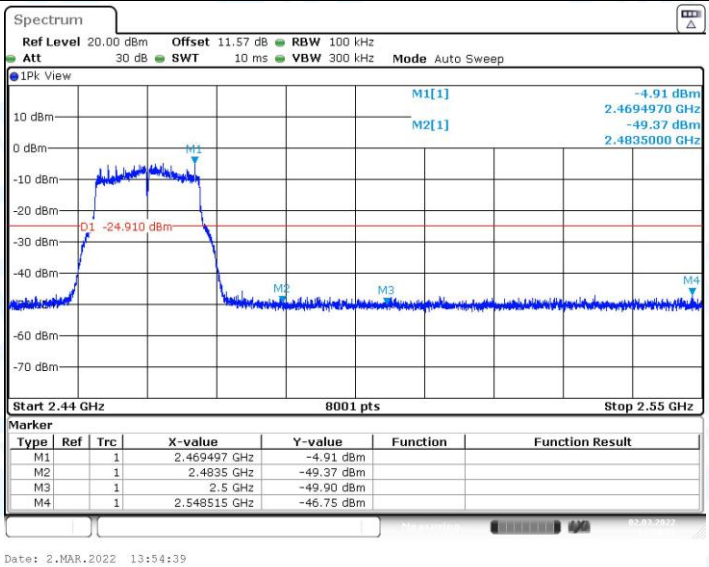
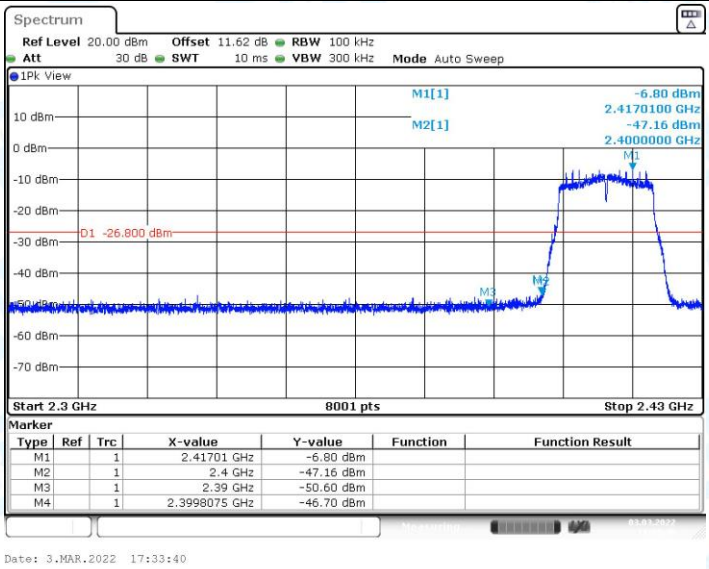


11G_Ant1_High_2462



11G_Ant2_High_2462



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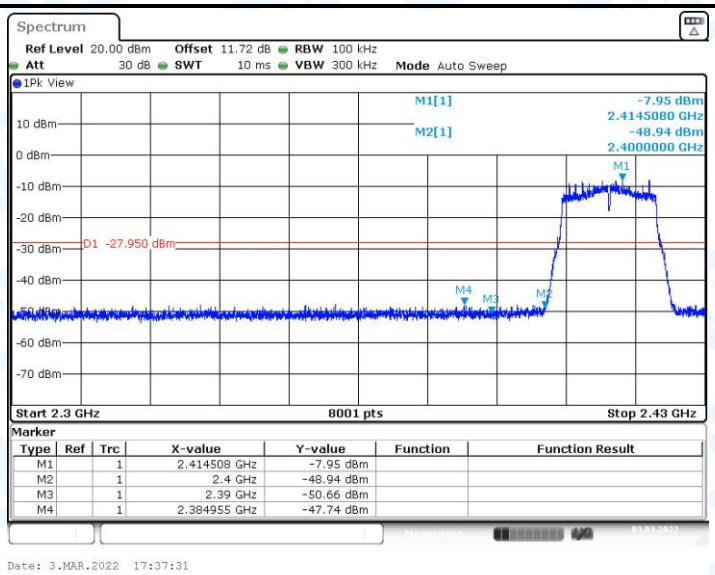

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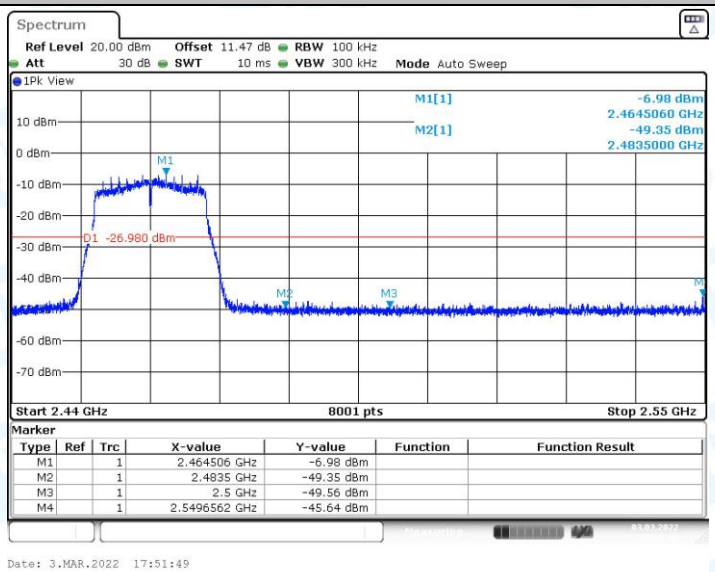
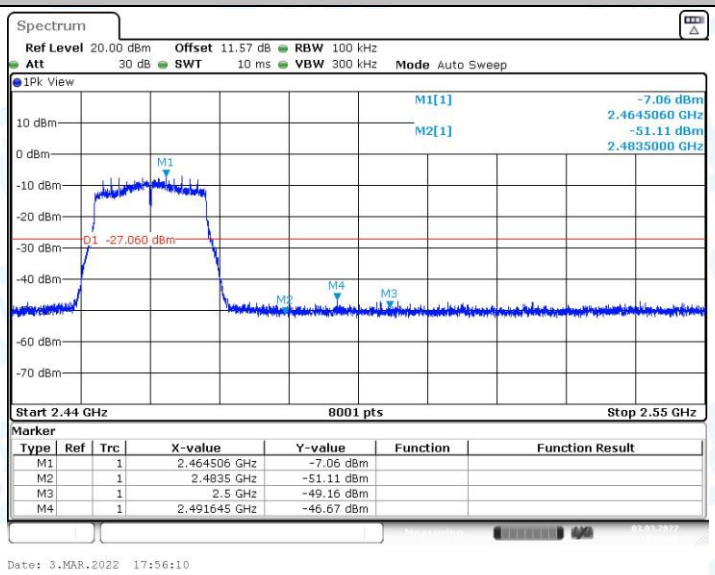
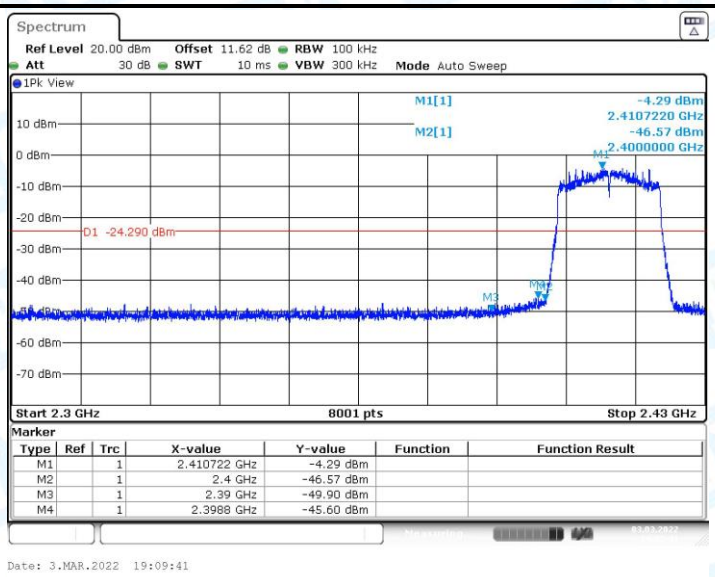


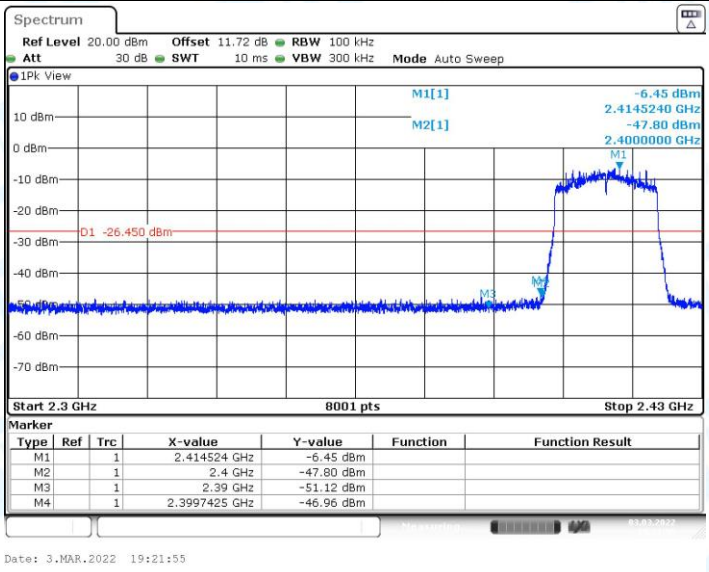
11N20MIMO_Ant1_High_2462



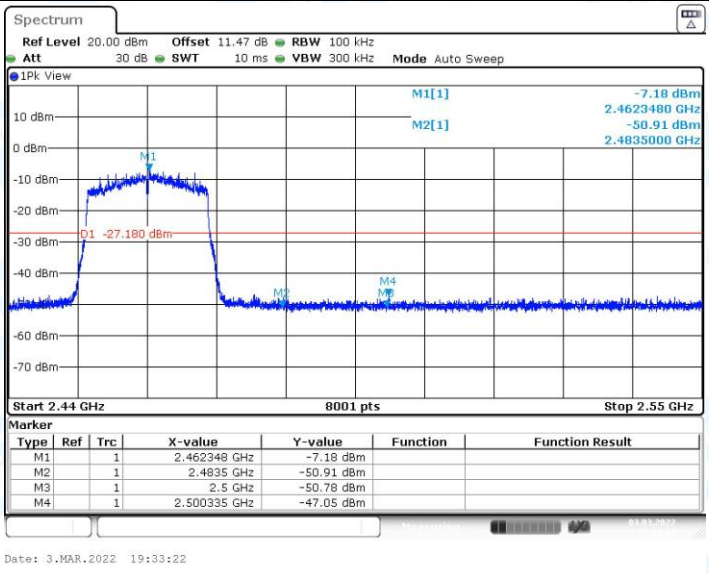
11N20MIMO_Ant2_High_2462



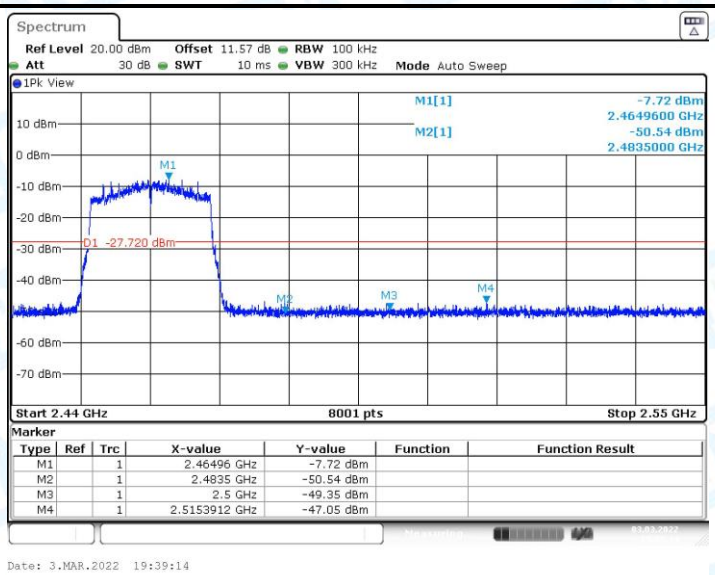
11AX20MIMO_Ant1_Low_2412



11AX20MIMO_Ant2_Low_2412



11AX20MIMO_Ant1_High_2462



11AX20MIMO_Ant2_High_2462

6.Conducted Spurious Emission

6.1.Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.20	4.20	---	PASS
			30~1000	4.20	-53.13	≤-15.8	PASS
			1000~26500	4.20	-47.13	≤-15.8	PASS
	Ant2	2412	Reference	5.51	5.51	---	PASS
			30~1000	5.51	-53.45	≤-14.49	PASS
			1000~26500	5.51	-44.77	≤-14.49	PASS
	Ant1	2437	Reference	4.32	4.32	---	PASS
			30~1000	4.32	-52.21	≤-15.68	PASS
			1000~26500	4.32	-46.93	≤-15.68	PASS
	Ant2	2437	Reference	3.89	3.89	---	PASS
			30~1000	3.89	-53.29	≤-16.11	PASS
			1000~26500	3.89	-46.4	≤-16.11	PASS
	Ant1	2462	Reference	3.99	3.99	---	PASS
			30~1000	3.99	-53.71	≤-16.01	PASS
			1000~26500	3.99	-46.47	≤-16.01	PASS
	Ant2	2462	Reference	4.06	4.06	---	PASS
			30~1000	4.06	-52.2	≤-15.94	PASS
			1000~26500	4.06	-46.22	≤-15.94	PASS
11G	Ant1	2412	Reference	-4.94	-4.94	---	PASS
			30~1000	-4.94	-53.58	≤-24.94	PASS
			1000~26500	-4.94	-46.06	≤-24.94	PASS
	Ant2	2412	Reference	-4.51	-4.51	---	PASS
			30~1000	-4.51	-52.12	≤-24.51	PASS
			1000~26500	-4.51	-47.1	≤-24.51	PASS
	Ant1	2437	Reference	-5.06	-5.06	---	PASS
			30~1000	-5.06	-53.38	≤-25.06	PASS
			1000~26500	-5.06	-47.6	≤-25.06	PASS
	Ant2	2437	Reference	-5.75	-5.75	---	PASS
			30~1000	-5.75	-52.94	≤-25.75	PASS
			1000~26500	-5.75	-46.79	≤-25.75	PASS
	Ant1	2462	Reference	-4.77	-4.77	---	PASS
			30~1000	-4.77	-53.05	≤-24.77	PASS
			1000~26500	-4.77	-46.71	≤-24.77	PASS
	Ant2	2462	Reference	-5.49	-5.49	---	PASS
			30~1000	-5.49	-53.43	≤-25.49	PASS
			1000~26500	-5.49	-46.06	≤-25.49	PASS
11N20MIMO	Ant1	2412	Reference	-7.01	-7.01	---	PASS
			30~1000	-7.01	-53.77	≤-27.01	PASS
			1000~26500	-7.01	-46.75	≤-27.01	PASS
	Ant2	2412	Reference	-7.85	-7.85	---	PASS
			30~1000	-7.85	-53.05	≤-27.85	PASS