



# Appendix

## 2.4GWIFI-OFDM



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## DTS Bandwidth

### Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.070	2407.980	2416.050	0.5	PASS
	Ant2	2412	8.100	2407.950	2416.050	0.5	PASS
	Ant1	2437	8.100	2432.950	2441.050	0.5	PASS
	Ant2	2437	8.130	2432.950	2441.080	0.5	PASS
	Ant1	2462	8.100	2457.950	2466.050	0.5	PASS
	Ant2	2462	7.620	2457.950	2465.570	0.5	PASS
11G	Ant1	2412	15.180	2404.410	2419.590	0.5	PASS
	Ant2	2412	15.150	2404.440	2419.590	0.5	PASS
	Ant1	2437	15.180	2429.410	2444.590	0.5	PASS
	Ant2	2437	15.120	2429.470	2444.590	0.5	PASS
	Ant1	2462	15.120	2454.440	2469.560	0.5	PASS
	Ant2	2462	15.090	2454.470	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.090	2404.470	2419.560	0.5	PASS
	Ant2	2412	15.120	2404.470	2419.590	0.5	PASS
	Ant1	2437	15.150	2429.440	2444.590	0.5	PASS
	Ant2	2437	15.180	2429.410	2444.590	0.5	PASS
	Ant1	2462	15.150	2454.440	2469.590	0.5	PASS
	Ant2	2462	13.890	2454.440	2468.330	0.5	PASS
11B-CDD	Ant1	2412	8.100	2407.950	2416.050	0.5	PASS
	Ant2	2412	7.590	2408.430	2416.020	0.5	PASS
	Ant1	2437	8.100	2432.950	2441.050	0.5	PASS
	Ant2	2437	8.160	2432.920	2441.080	0.5	PASS
	Ant1	2462	7.590	2457.950	2465.540	0.5	PASS
	Ant2	2462	8.100	2457.470	2465.570	0.5	PASS
11G-CDD	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
	Ant2	2412	15.120	2404.470	2419.590	0.5	PASS
	Ant1	2437	15.390	2429.410	2444.800	0.5	PASS
	Ant2	2437	15.390	2429.410	2444.800	0.5	PASS
	Ant1	2462	15.180	2454.410	2469.590	0.5	PASS
	Ant2	2462	15.180	2454.410	2469.590	0.5	PASS



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11N20MIMO	Ant1	2412	15.180	2404.410	2419.590	0.5	PASS
	Ant2	2412	15.180	2404.410	2419.590	0.5	PASS
	Ant1	2437	15.990	2429.410	2445.400	0.5	PASS
	Ant2	2437	15.750	2429.410	2445.160	0.5	PASS
	Ant1	2462	15.180	2454.410	2469.590	0.5	PASS
	Ant2	2462	15.780	2453.810	2469.590	0.5	PASS

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11AX20SISO	Ant1	2412	18.180	2402.850	2421.030	0.5	PASS
	Ant2	2412	14.580	2406.960	2421.540	0.5	PASS
	Ant1	2437	18.750	2427.730	2446.480	0.5	PASS
	Ant2	2437	17.070	2427.490	2444.560	0.5	PASS
	Ant1	2462	18.270	2452.730	2471.000	0.5	PASS
	Ant2	2462	15.300	2454.290	2469.590	0.5	PASS
11AX20MIMO	Ant1	2412	17.820	2403.300	2421.120	0.5	PASS
	Ant2	2412	14.520	2406.960	2421.480	0.5	PASS
	Ant1	2437	18.630	2427.640	2446.270	0.5	PASS
	Ant2	2437	17.040	2427.520	2444.560	0.5	PASS
	Ant1	2462	18.360	2452.790	2471.150	0.5	PASS
	Ant2	2462	16.410	2453.150	2469.560	0.5	PASS



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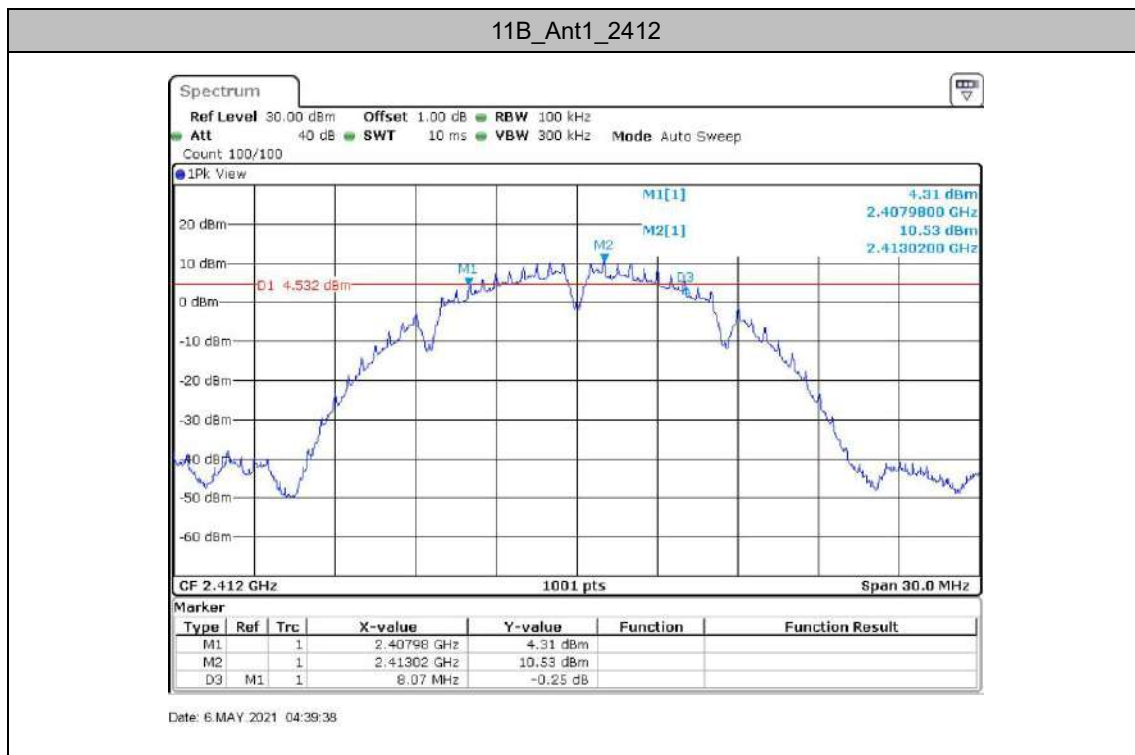
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## Test Graphs



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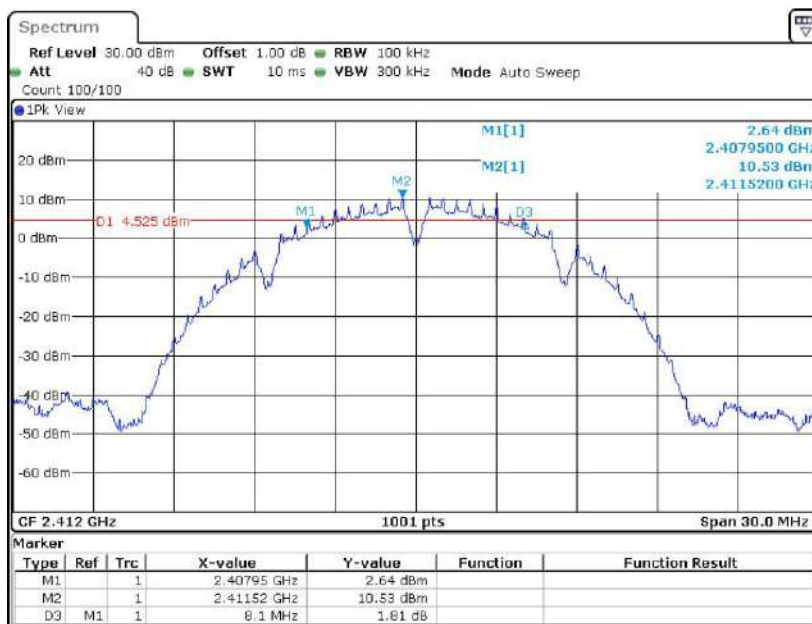
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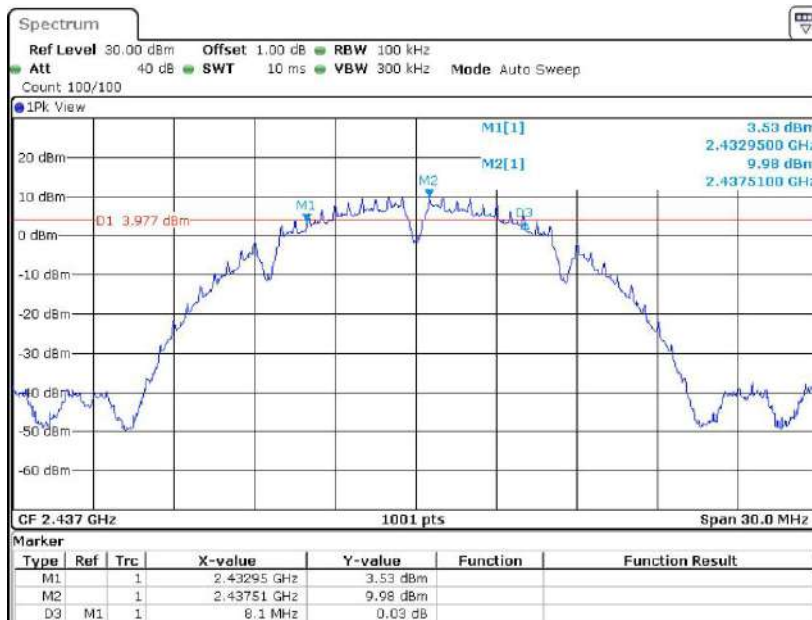


11B\_Ant2\_2412



Date: 6 MAY 2021 06:32:26

11B\_Ant1\_2437



Date: 6 MAY 2021 04:41:23



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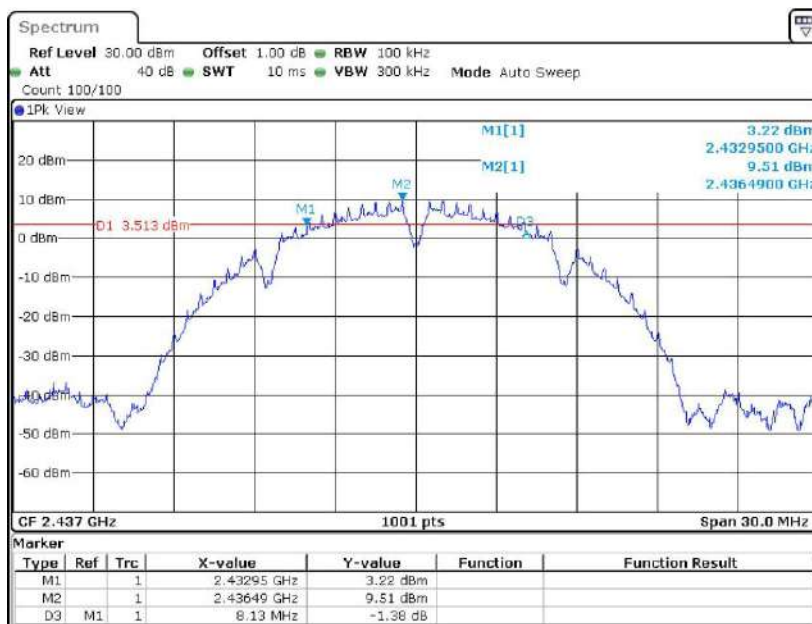
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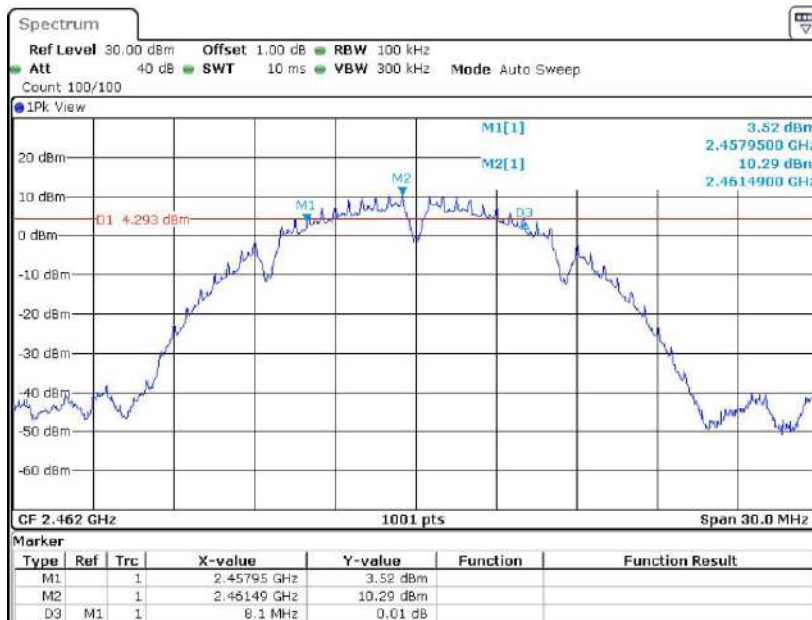


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11B\_Ant1\_2462



Date: 6 MAY 2021 04:42:50



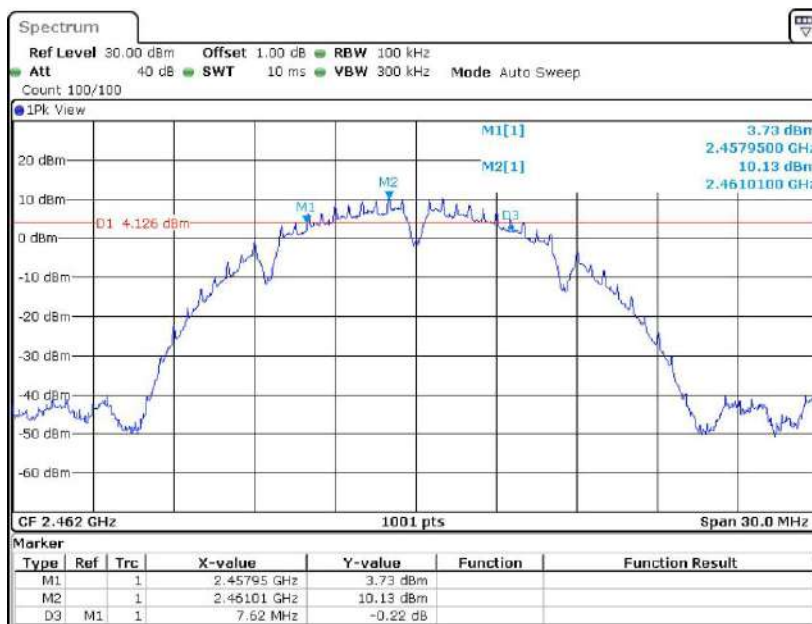
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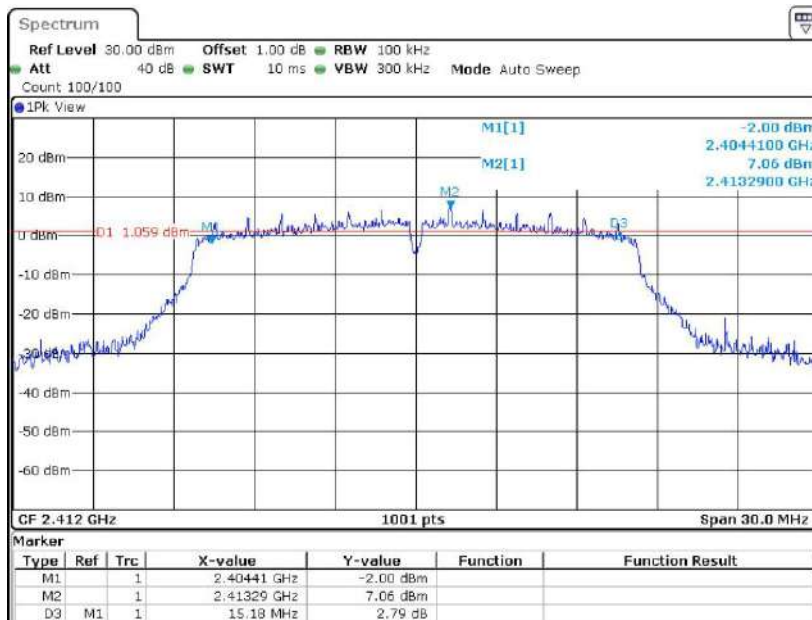


11B\_Ant2\_2462



Date: 6 MAY 2021 06:35:41

11G\_Ant1\_2412



Date: 6 MAY 2021 04:44:39



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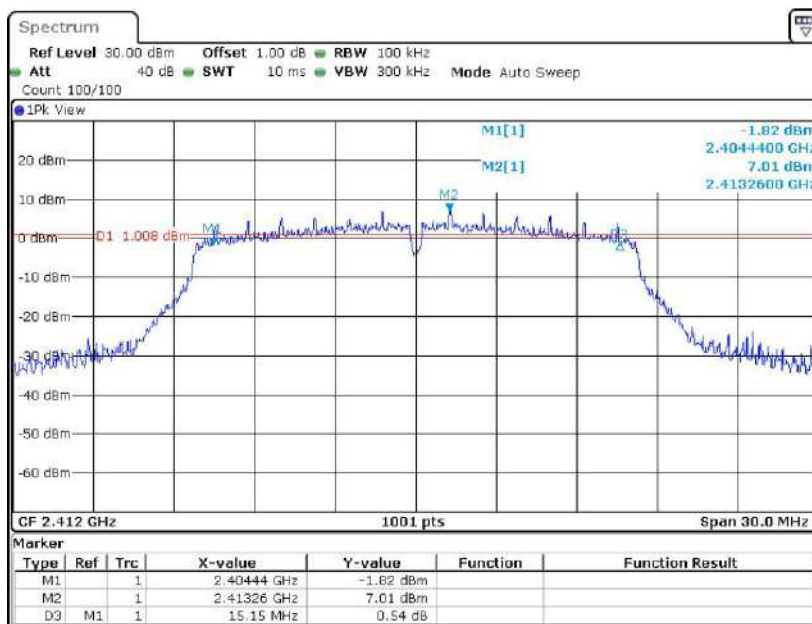
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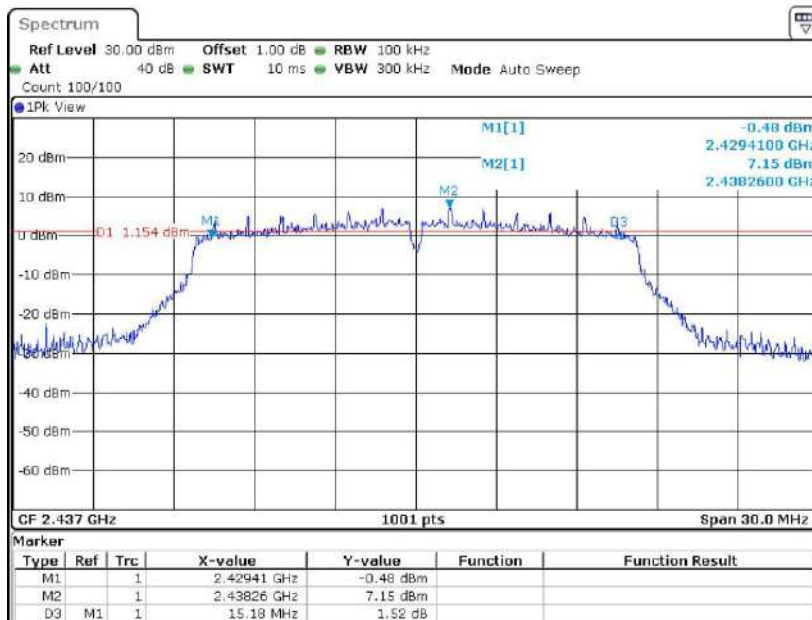


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11G\_Ant1\_2437



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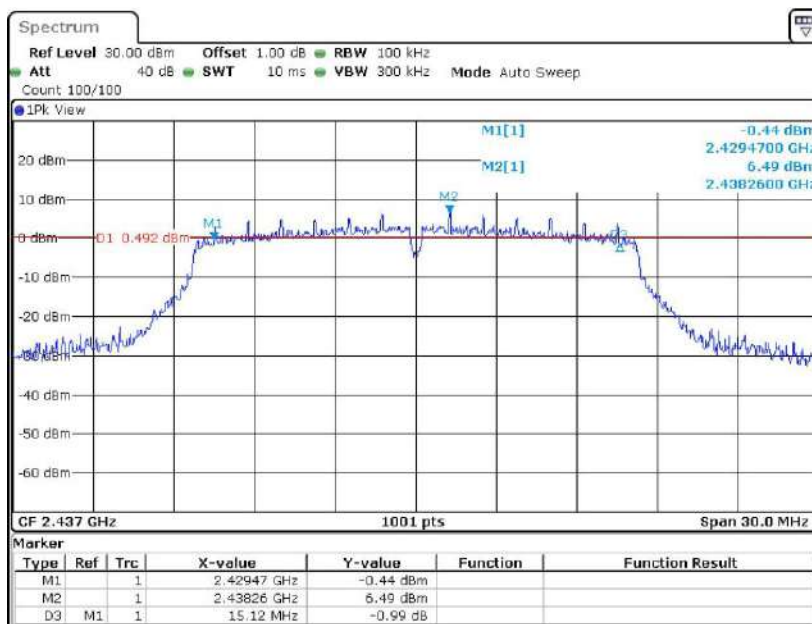
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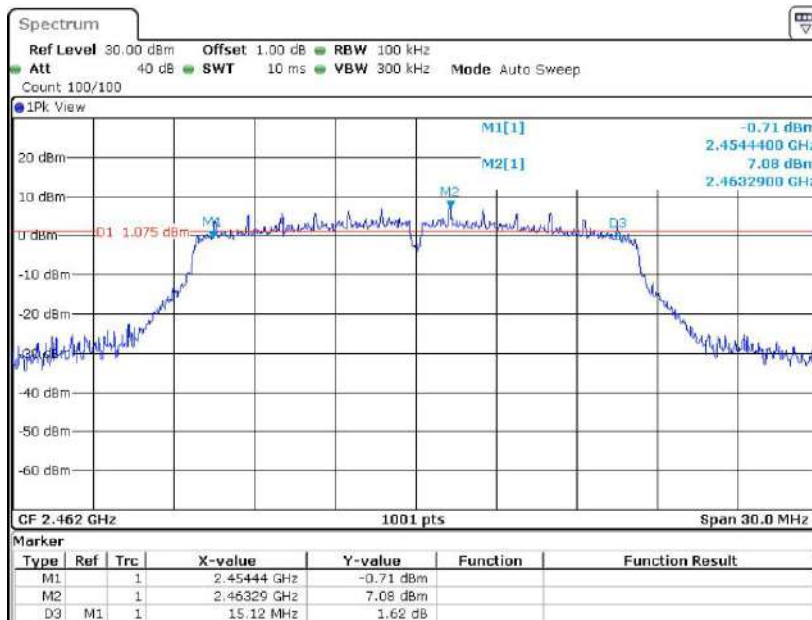


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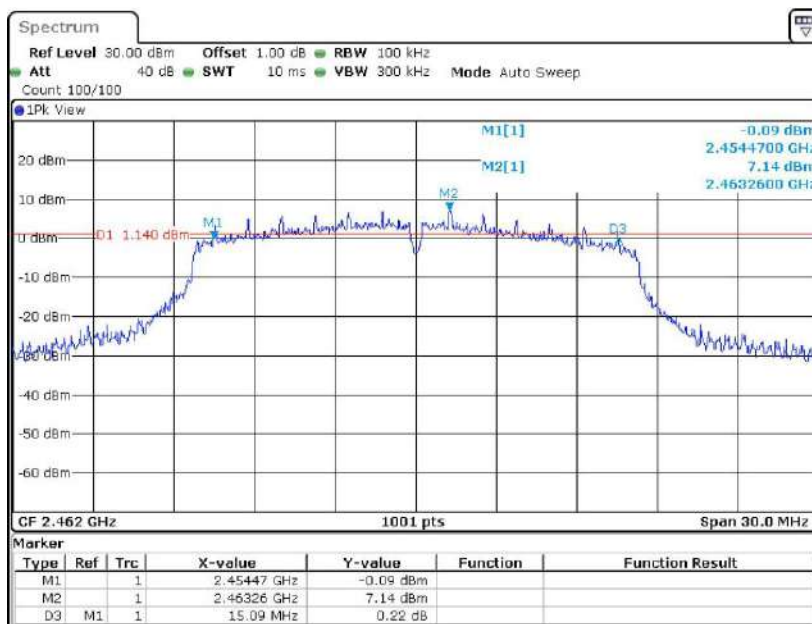
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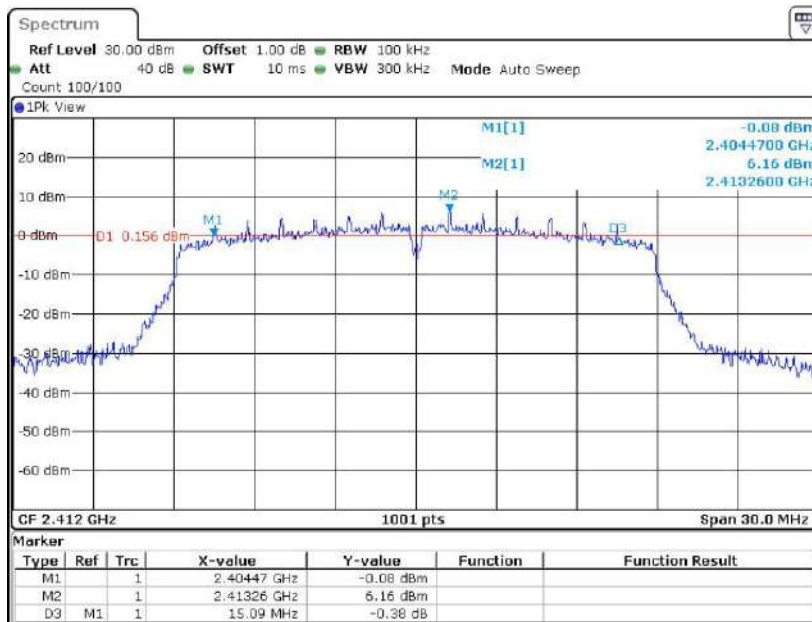


11G\_Ant2\_2462



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11N20SISO\_Ant1\_2412



Date: 6 MAY 2021 04:54:14



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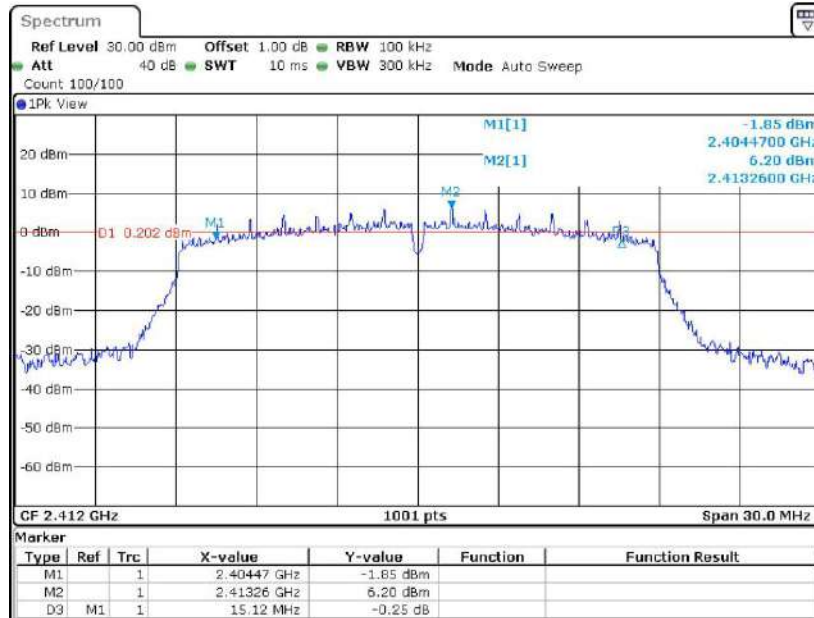
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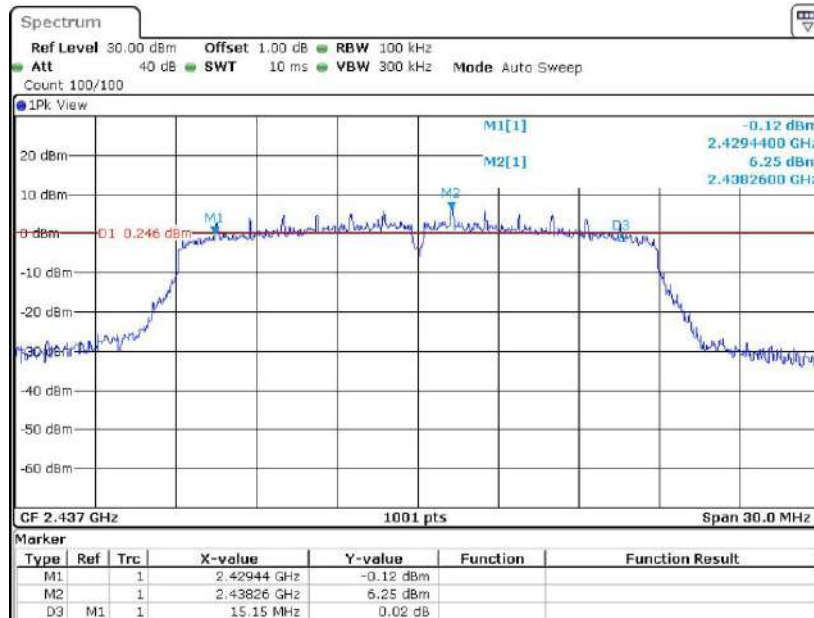


11N20SISO\_Ant2\_2412



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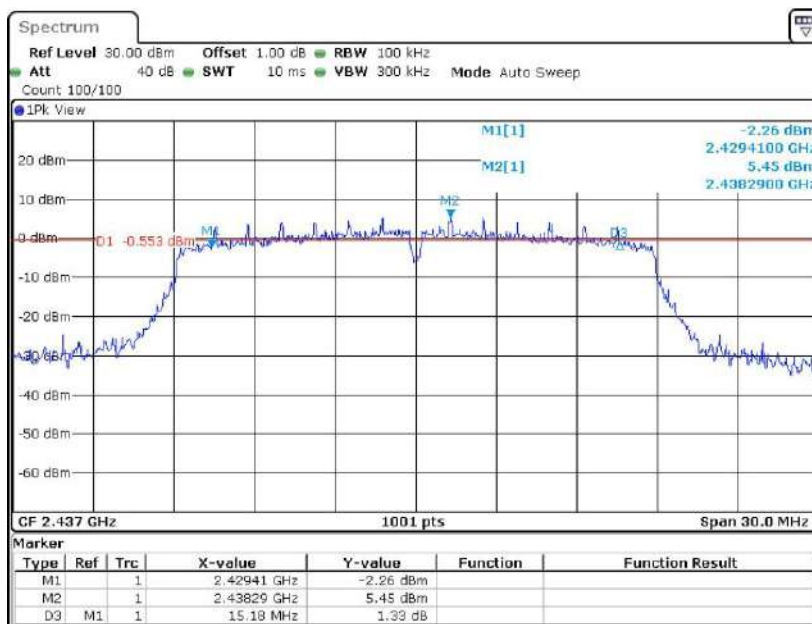
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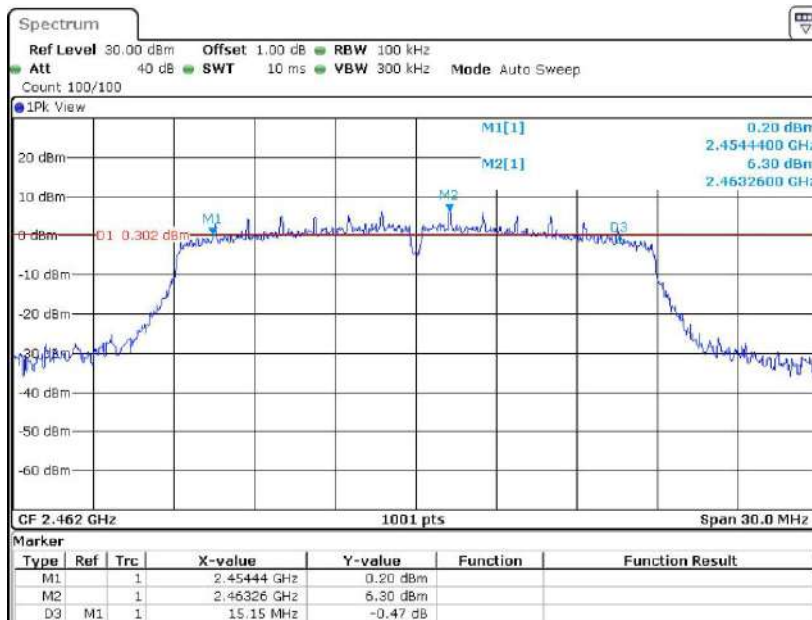


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11N20SISO\_Ant1\_2462



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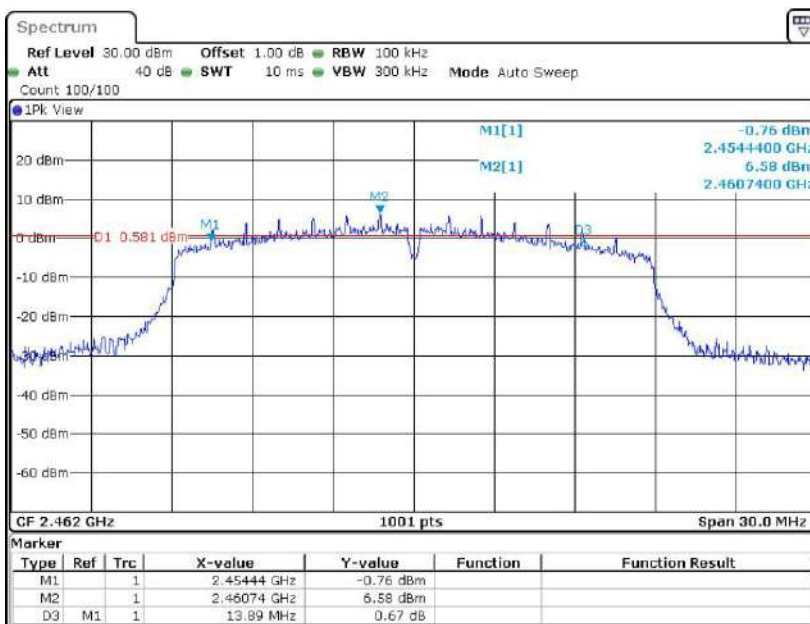
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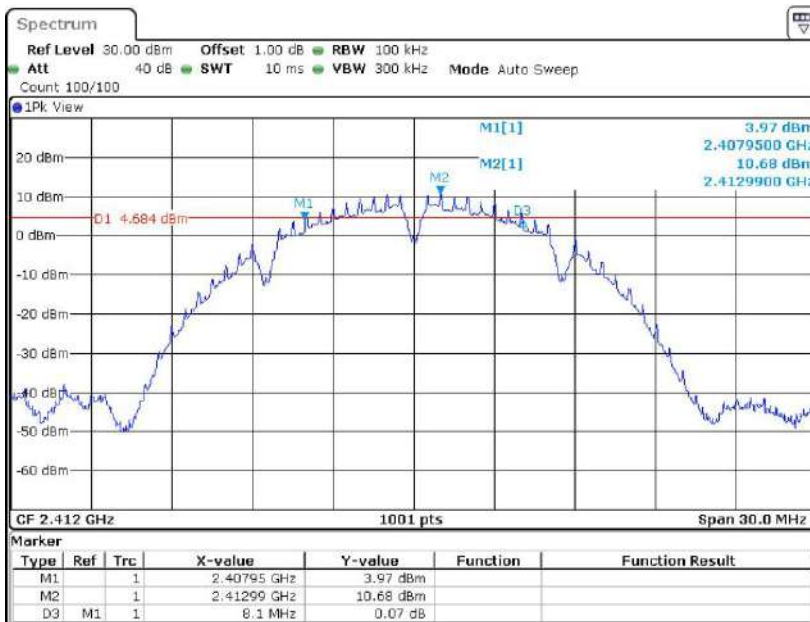


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11B-CDD\_Ant1\_2412



Date: 6 MAY 2021 05:13:59



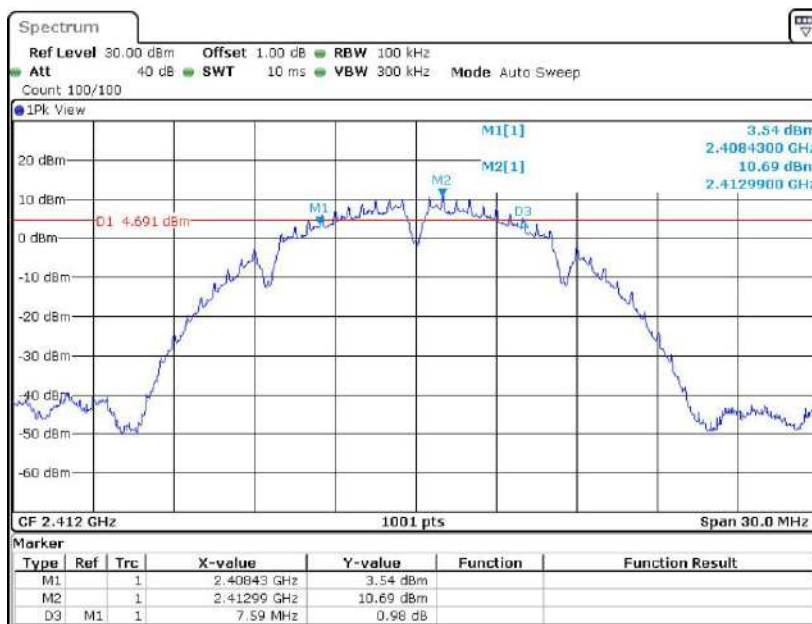
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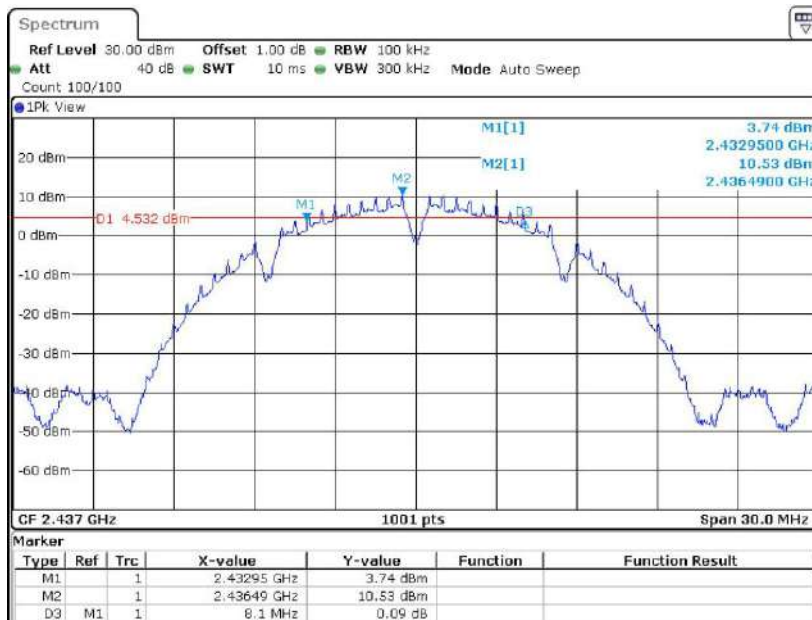


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11B-CDD\_Ant1\_2437



Date: 6 MAY 2021 05:15:35

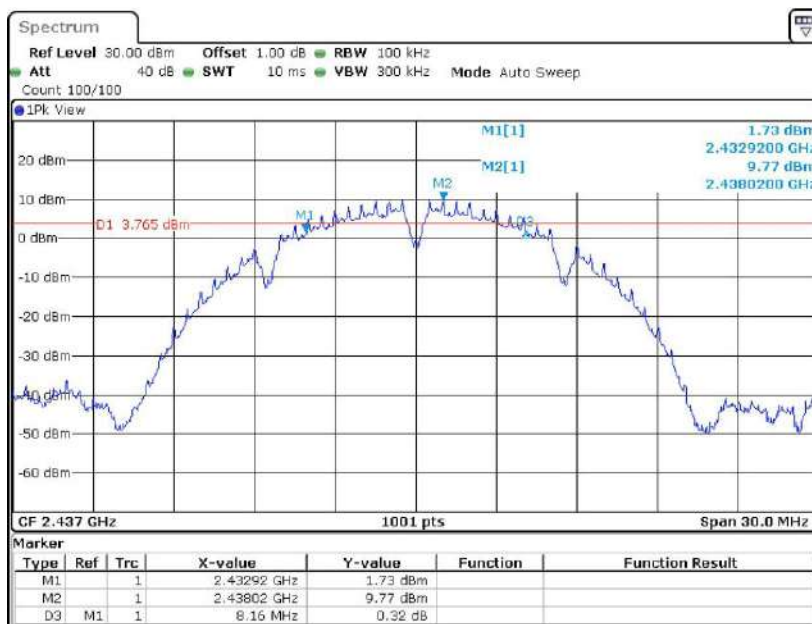


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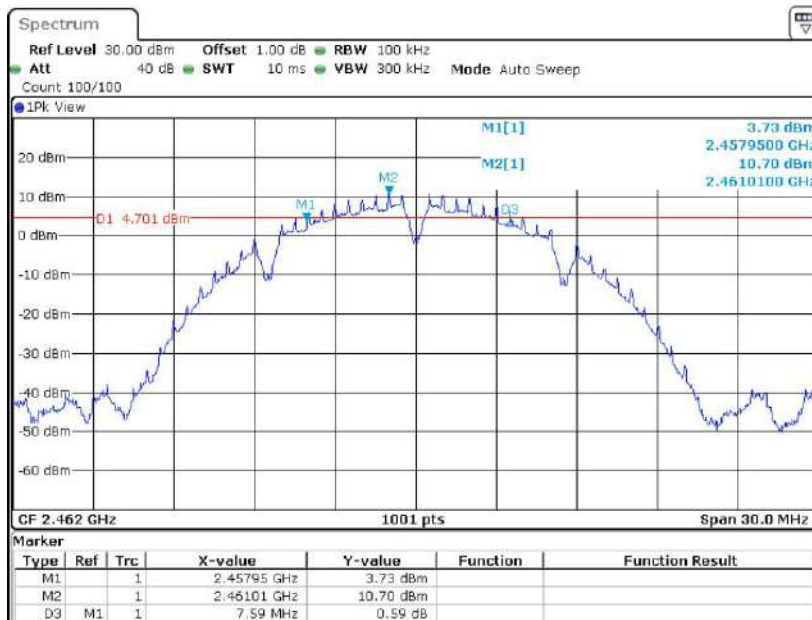


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11B-CDD\_Ant1\_2462



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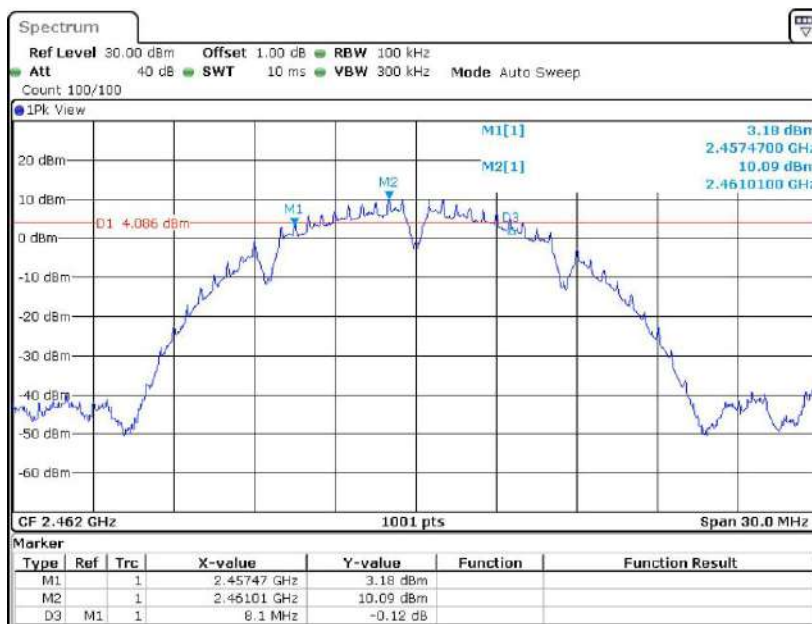
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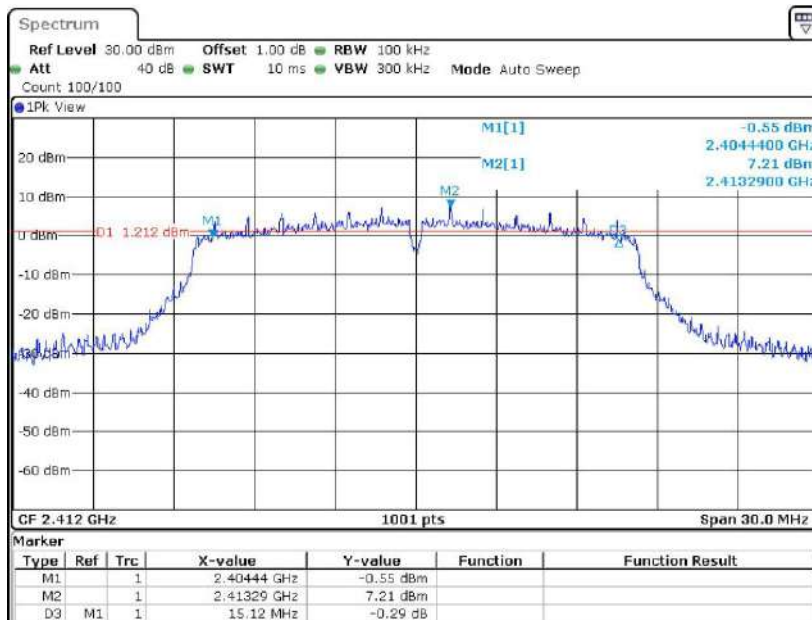


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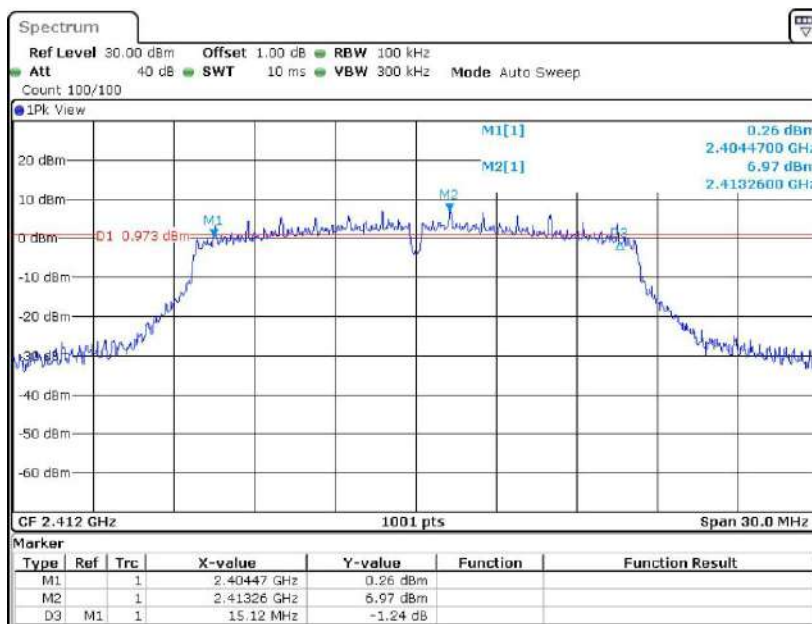
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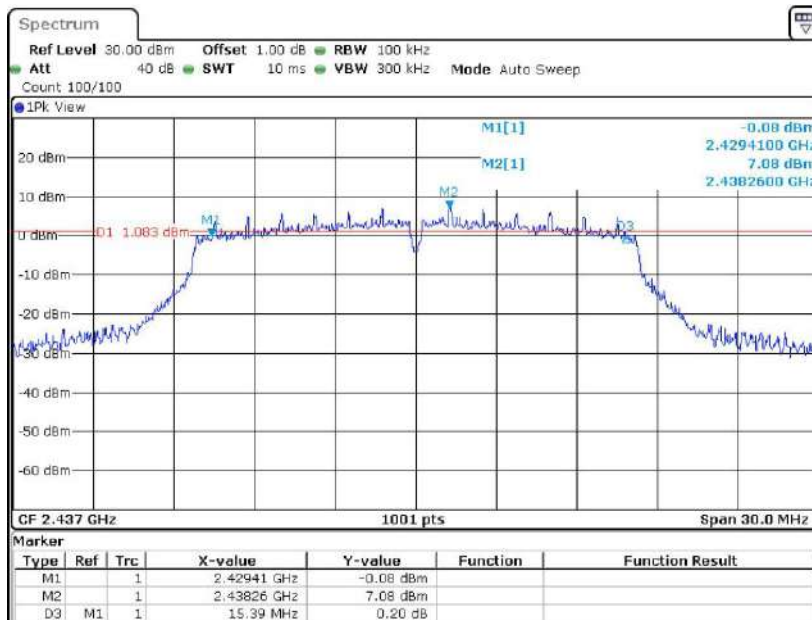


11G-CDD\_Ant2\_2412



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11G-CDD\_Ant1\_2437



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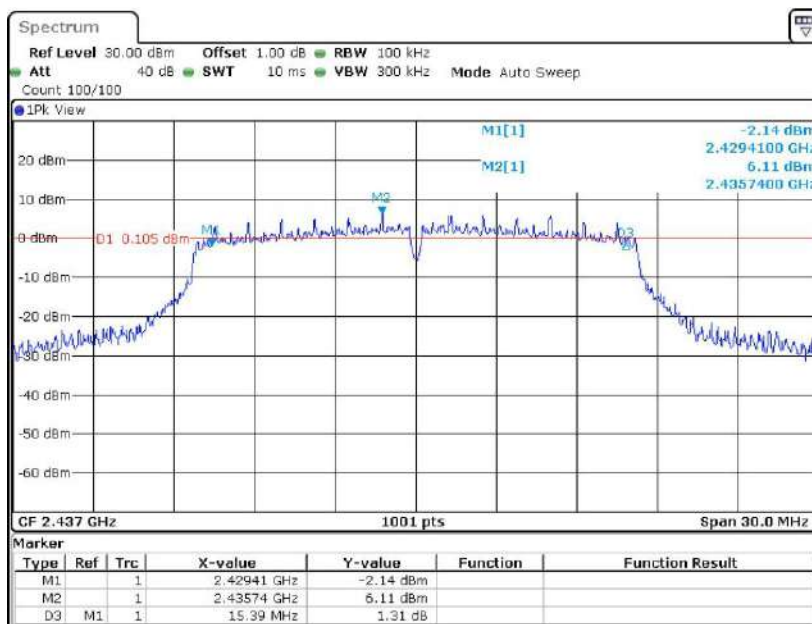
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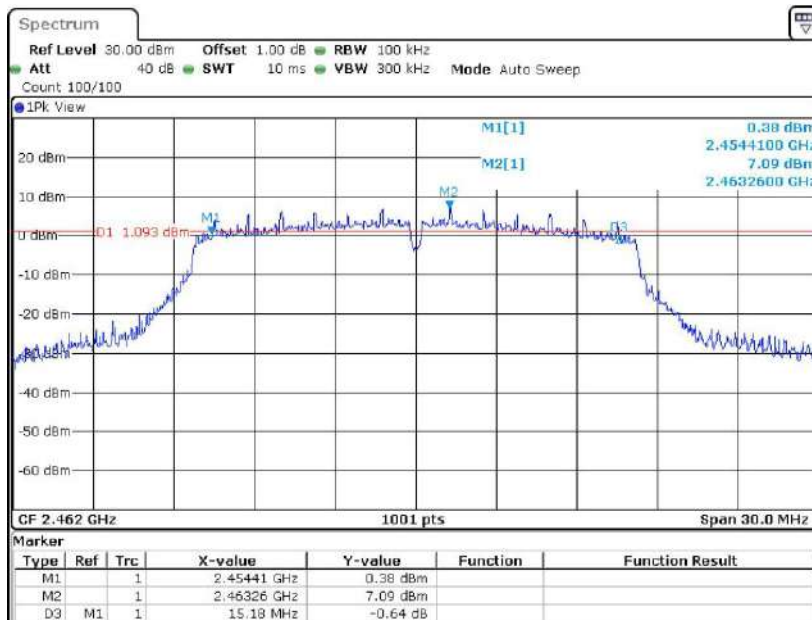


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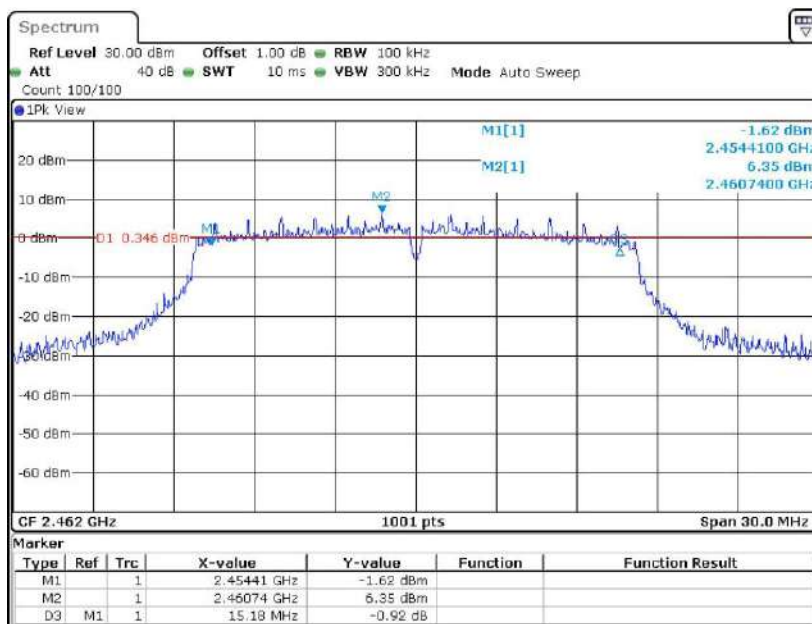
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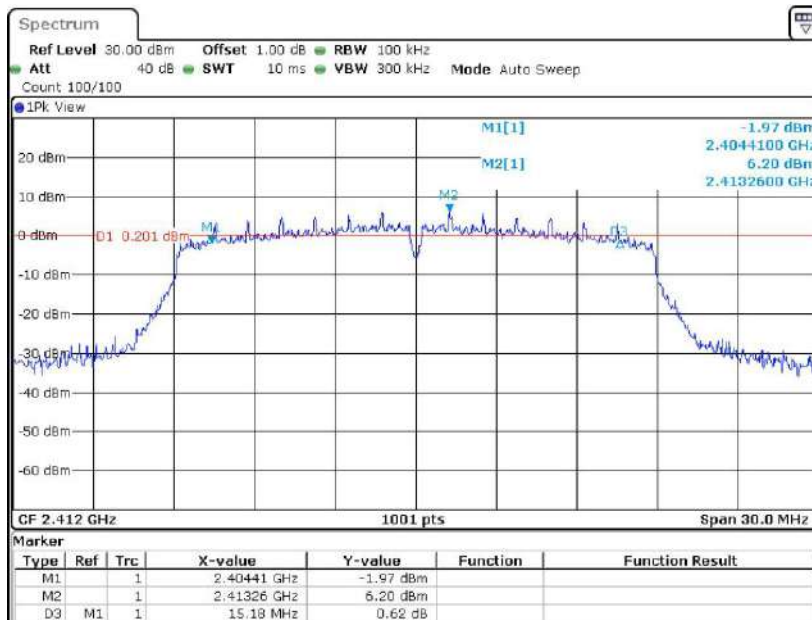


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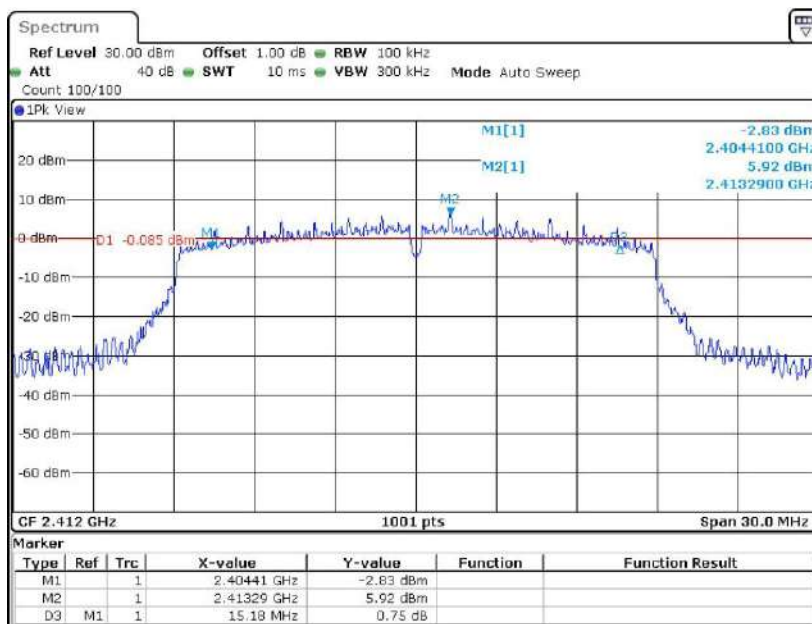
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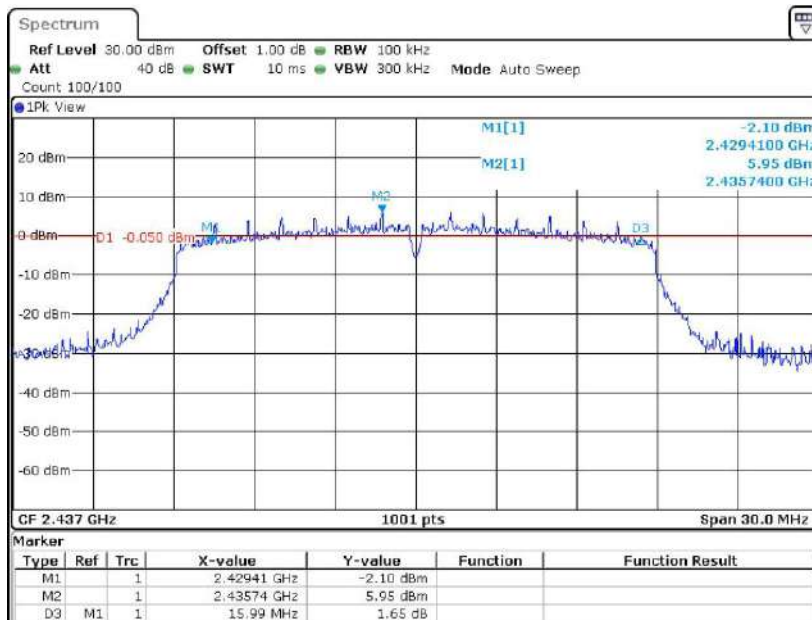


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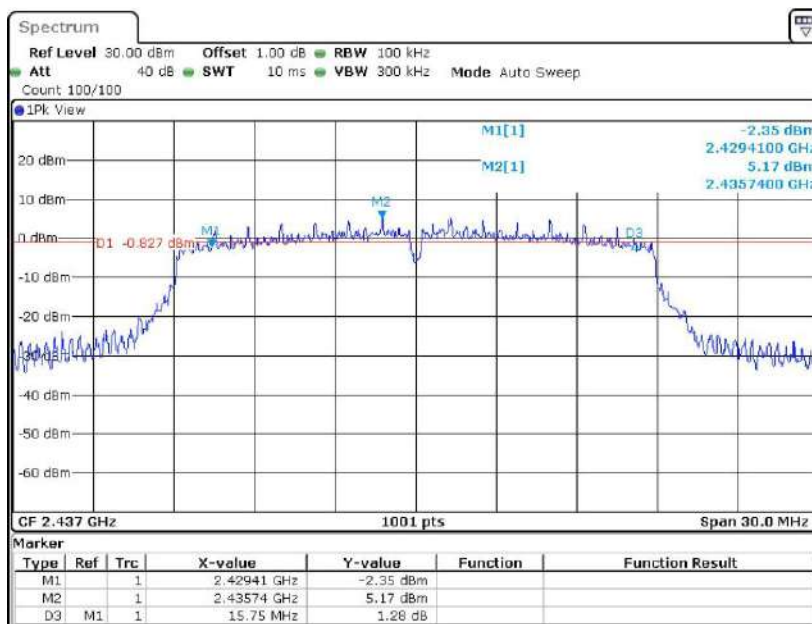
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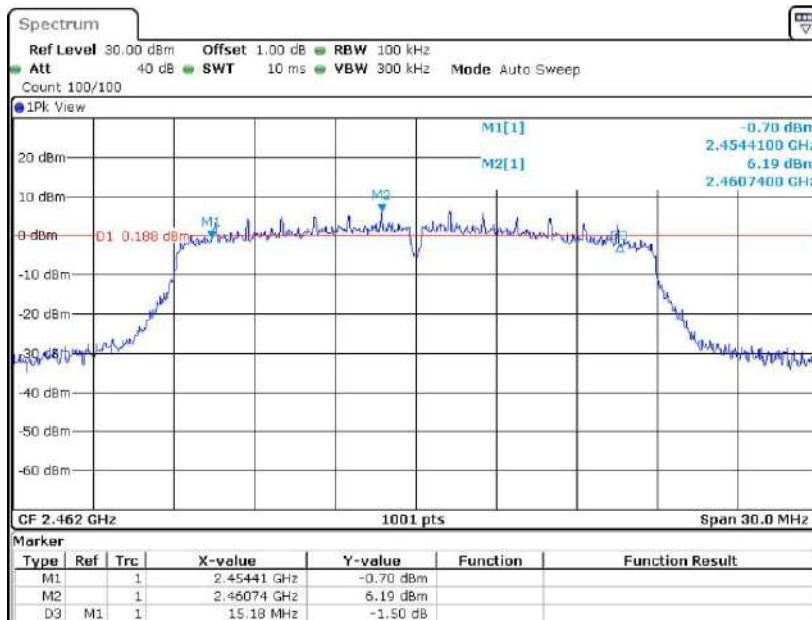


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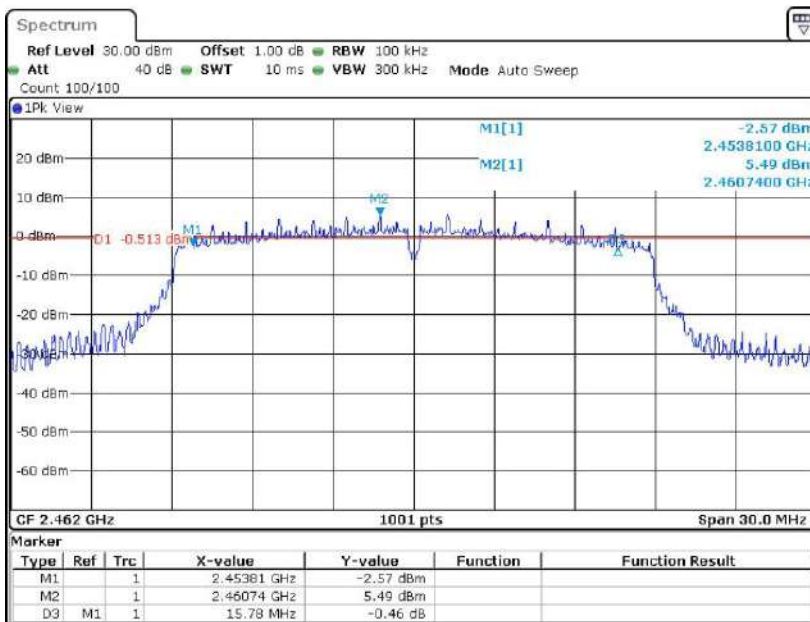
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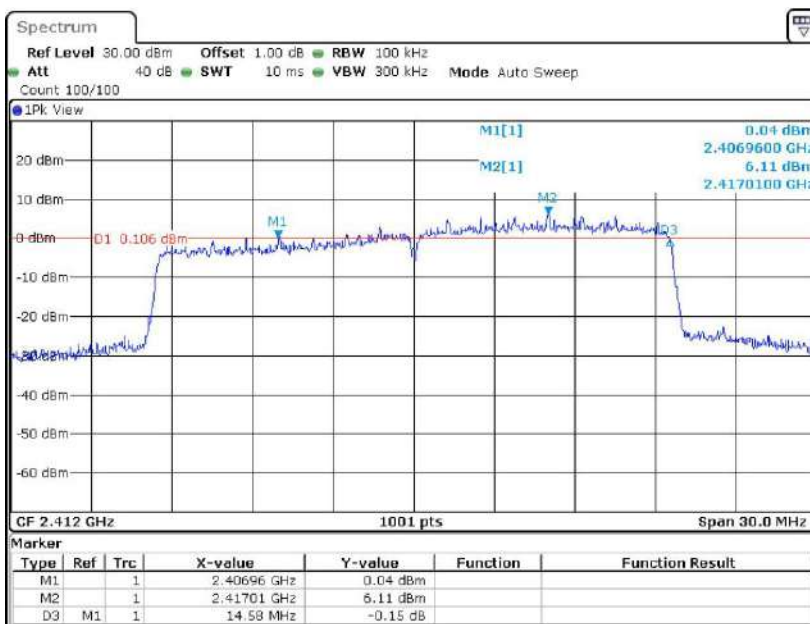
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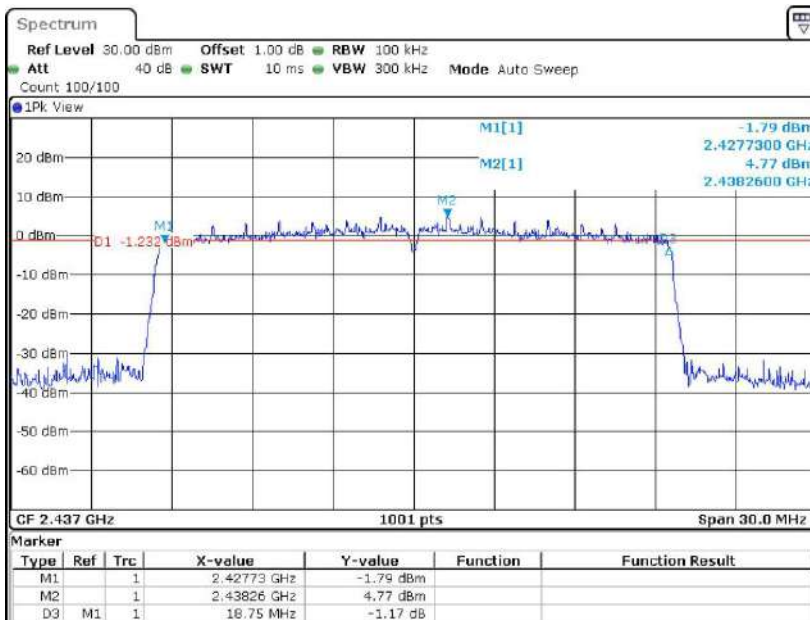


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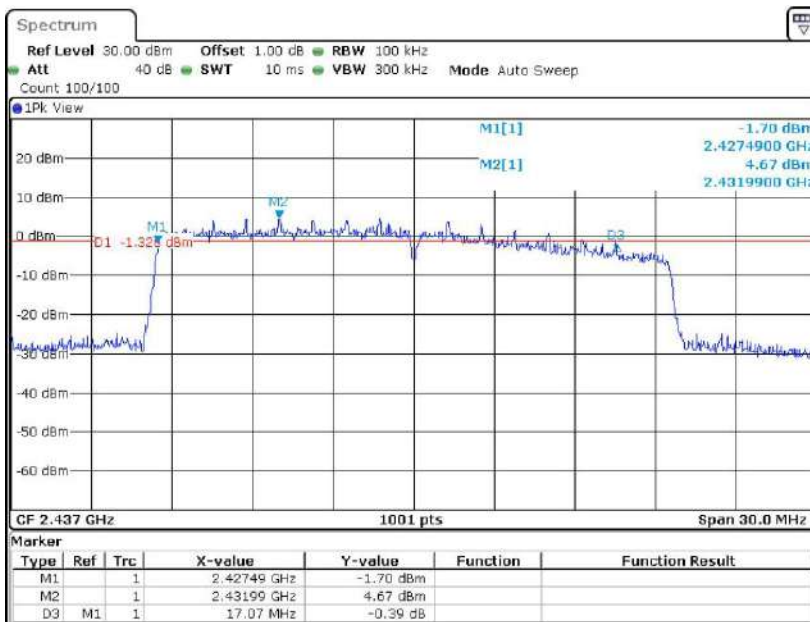
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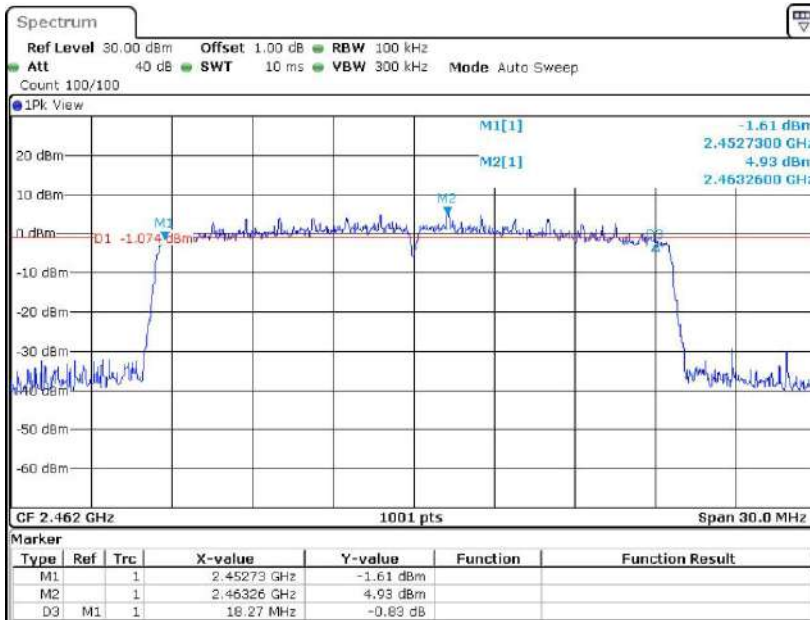


11AX20SISO\_Ant2\_2437



Date: 6 MAY 2021 07:55:04

11AX20SISO\_Ant1\_2462



Date: 6 MAY 2021 07:44:03



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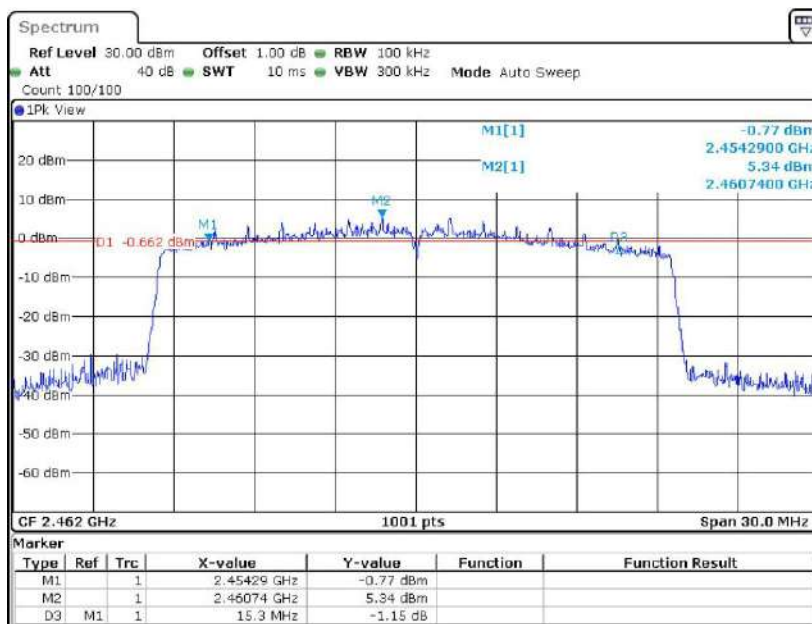
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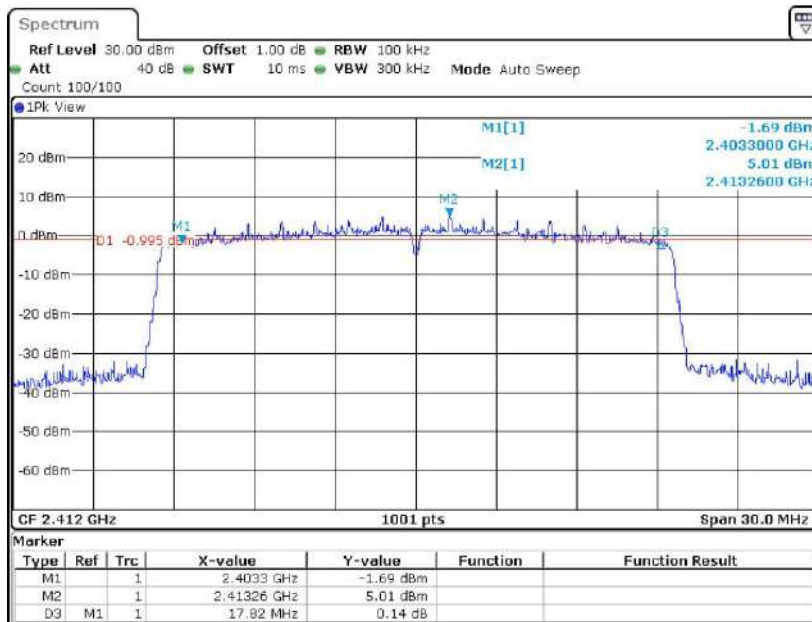


11AX20SISO\_Ant2\_2462



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11AX20MIMO\_Ant1\_2412



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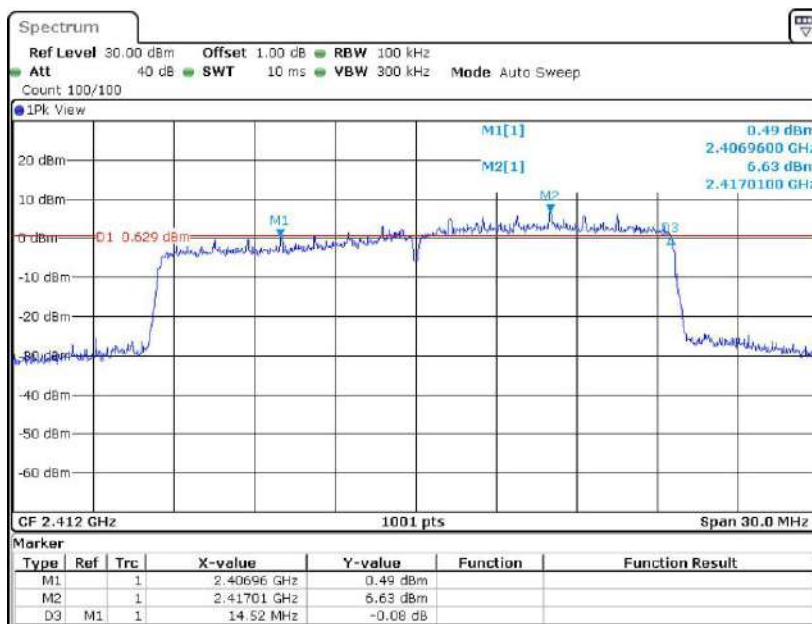
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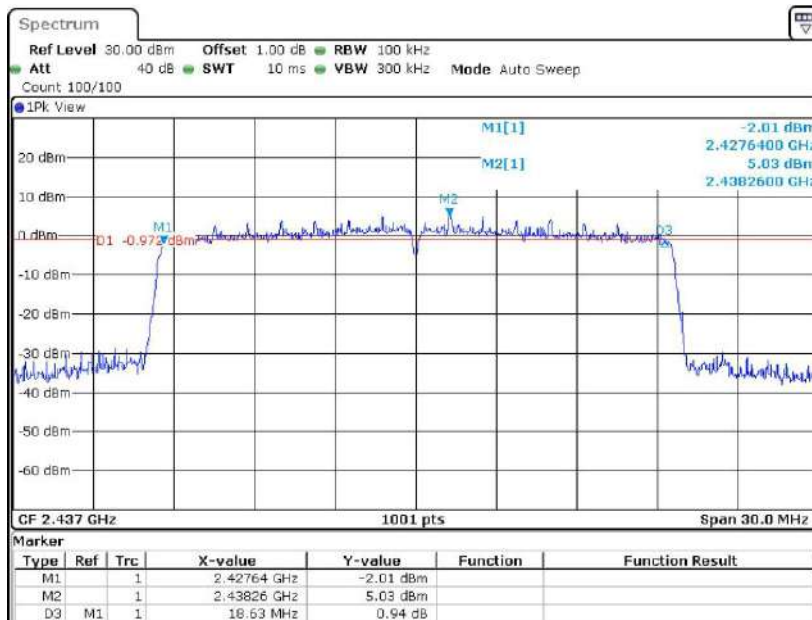


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11AX20MIMO\_Ant1\_2437



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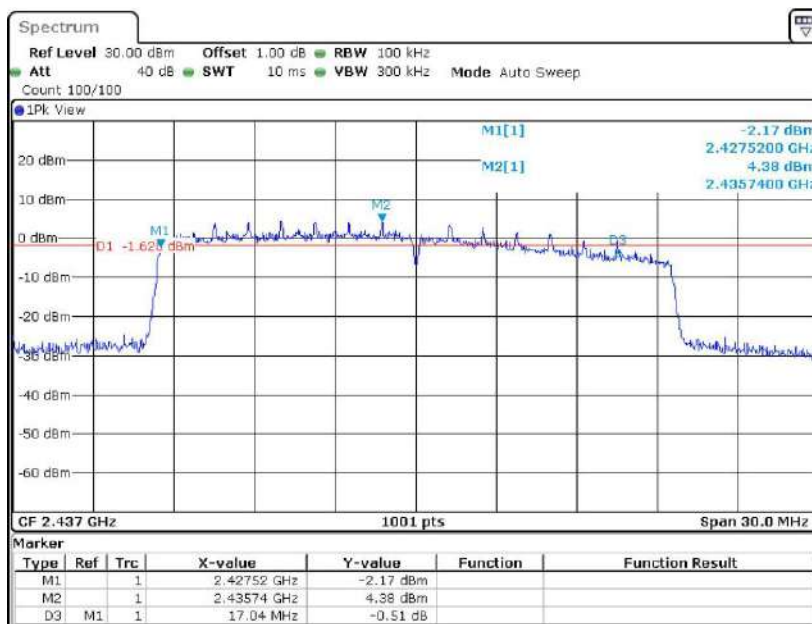
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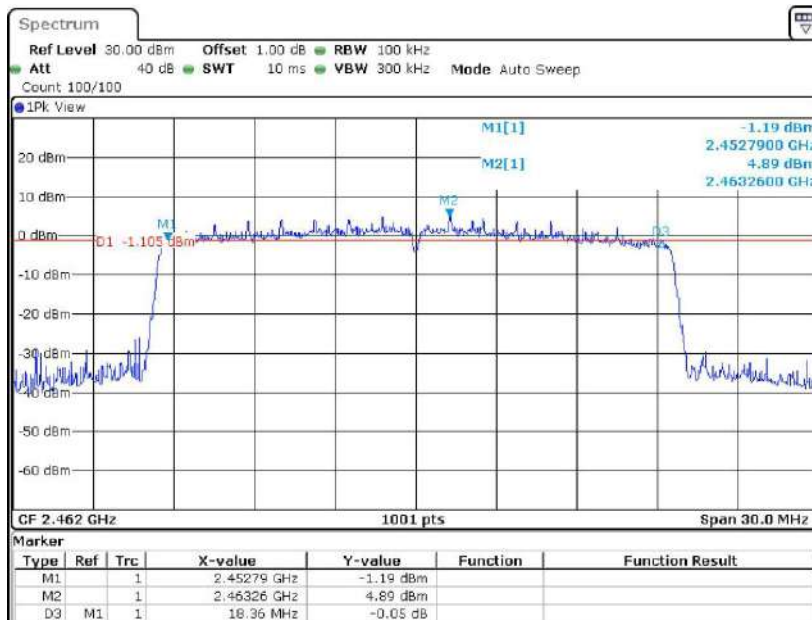


11AX20MIMO\_Ant2\_2437



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11AX20MIMO\_Ant1\_2462



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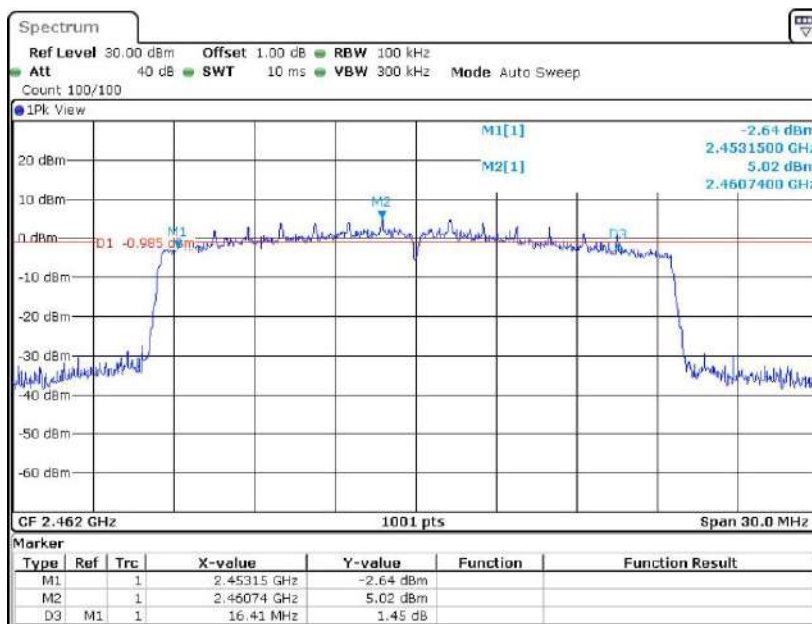
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## Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.617	2405.796	2418.414	---	PASS
	Ant2	2412	12.468	2405.856	2418.324	---	PASS
	Ant1	2437	12.917	2430.526	2443.444	---	PASS
	Ant2	2437	12.827	2430.616	2443.444	---	PASS
	Ant1	2462	12.647	2455.616	2468.264	---	PASS
	Ant2	2462	12.587	2455.526	2468.114	---	PASS
11G	Ant1	2412	16.723	2403.668	2420.392	---	PASS
	Ant2	2412	16.693	2403.668	2420.362	---	PASS
	Ant1	2437	16.813	2428.608	2445.422	---	PASS
	Ant2	2437	16.903	2428.548	2445.452	---	PASS
	Ant1	2462	16.783	2453.578	2470.362	---	PASS
	Ant2	2462	16.543	2453.638	2470.182	---	PASS
11N20SISO	Ant1	2412	17.712	2403.159	2420.871	---	PASS
	Ant2	2412	17.712	2403.159	2420.871	---	PASS
	Ant1	2437	17.862	2428.069	2445.931	---	PASS
	Ant2	2437	17.862	2428.099	2445.961	---	PASS
	Ant1	2462	17.742	2453.099	2470.841	---	PASS
	Ant2	2462	17.532	2453.159	2470.691	---	PASS
11B-CDD	Ant1	2412	12.647	2405.766	2418.414	---	PASS
	Ant2	2412	12.498	2405.826	2418.324	---	PASS
	Ant1	2437	12.887	2430.556	2443.444	---	PASS
	Ant2	2437	12.887	2430.586	2443.474	---	PASS
	Ant1	2462	12.707	2455.556	2468.264	---	PASS
	Ant2	2462	12.857	2455.467	2468.324	---	PASS
11G-CDD	Ant1	2412	16.723	2403.668	2420.392	---	PASS
	Ant2	2412	16.484	2403.788	2420.272	---	PASS
	Ant1	2437	16.873	2428.578	2445.452	---	PASS
	Ant2	2437	16.543	2428.668	2445.212	---	PASS
	Ant1	2462	16.783	2453.548	2470.332	---	PASS
	Ant2	2462	16.693	2453.608	2470.302	---	PASS



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11N20MIMO	Ant1	2412	17.682	2403.159	2420.841	---	PASS
	Ant2	2412	17.562	2403.219	2420.781	---	PASS
	Ant1	2437	17.802	2428.099	2445.901	---	PASS
	Ant2	2437	17.712	2428.159	2445.871	---	PASS
	Ant1	2462	17.772	2453.069	2470.841	---	PASS
	Ant2	2462	17.682	2453.129	2470.811	---	PASS

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11AX20SISO	Ant1	2412	18.761	2402.619	2421.381	---	PASS
	Ant2	2412	18.791	2402.739	2421.530	---	PASS
	Ant1	2437	18.791	2427.619	2446.411	---	PASS
	Ant2	2437	18.731	2427.500	2446.231	---	PASS
	Ant1	2462	18.791	2452.589	2471.381	---	PASS
	Ant2	2462	18.611	2452.649	2471.261	---	PASS
11AX20MIMO	Ant1	2412	18.761	2402.619	2421.381	---	PASS
	Ant2	2412	18.761	2402.739	2421.500	---	PASS
	Ant1	2437	18.791	2427.619	2446.411	---	PASS
	Ant2	2437	18.731	2427.500	2446.231	---	PASS
	Ant1	2462	18.791	2452.589	2471.381	---	PASS
	Ant2	2462	18.641	2452.649	2471.291	---	PASS



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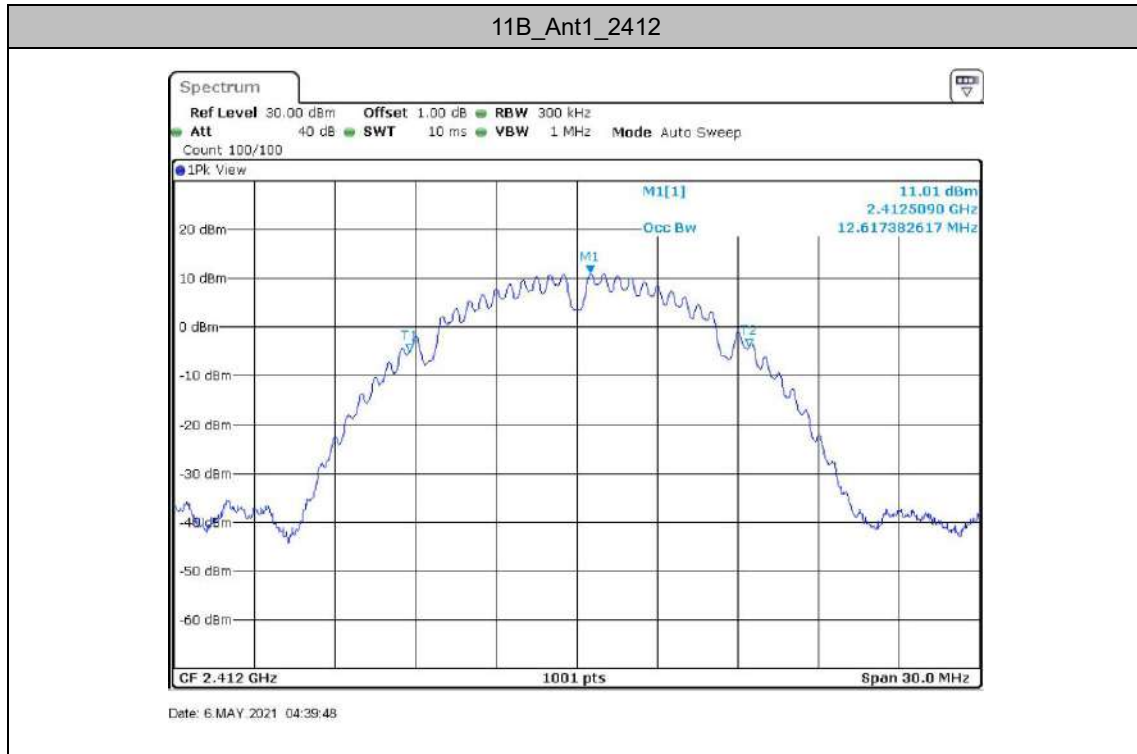
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## Test Graphs



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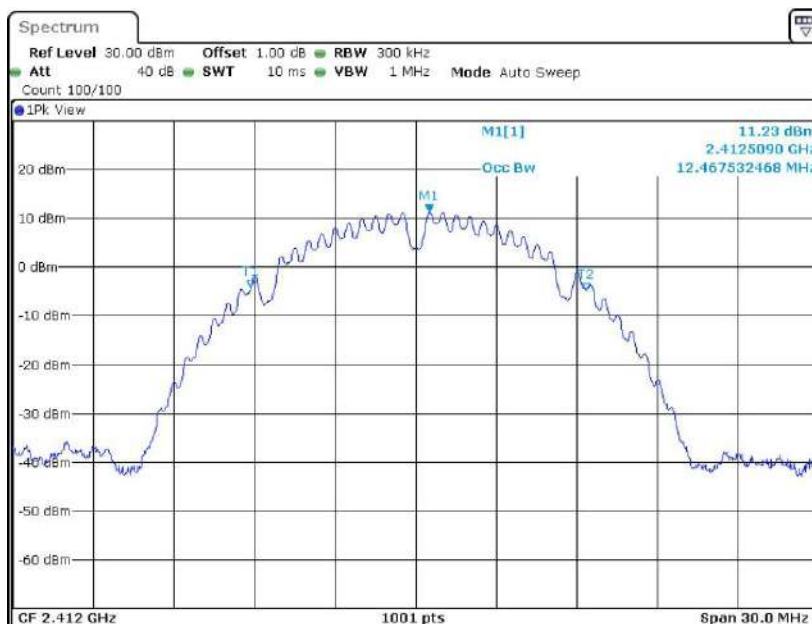
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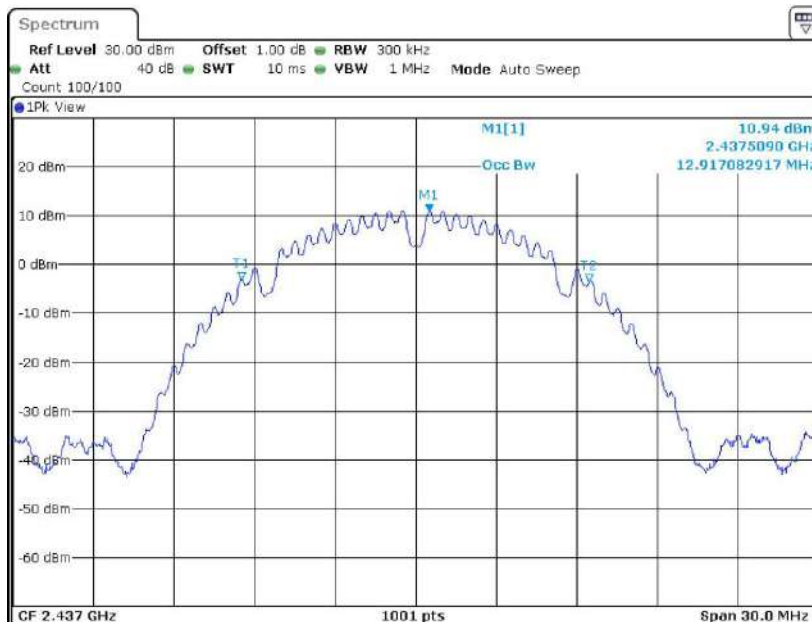


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Date: 6 MAY 2021 04:41:33



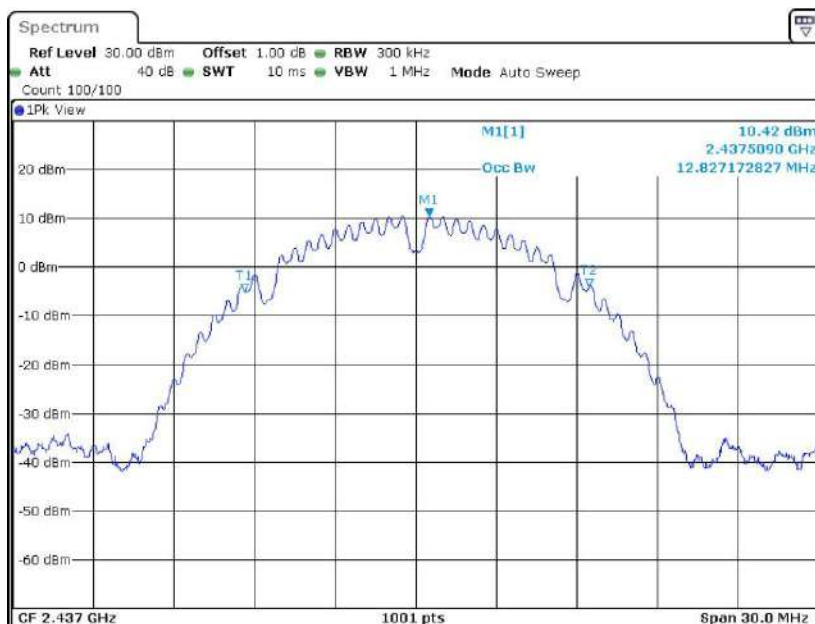
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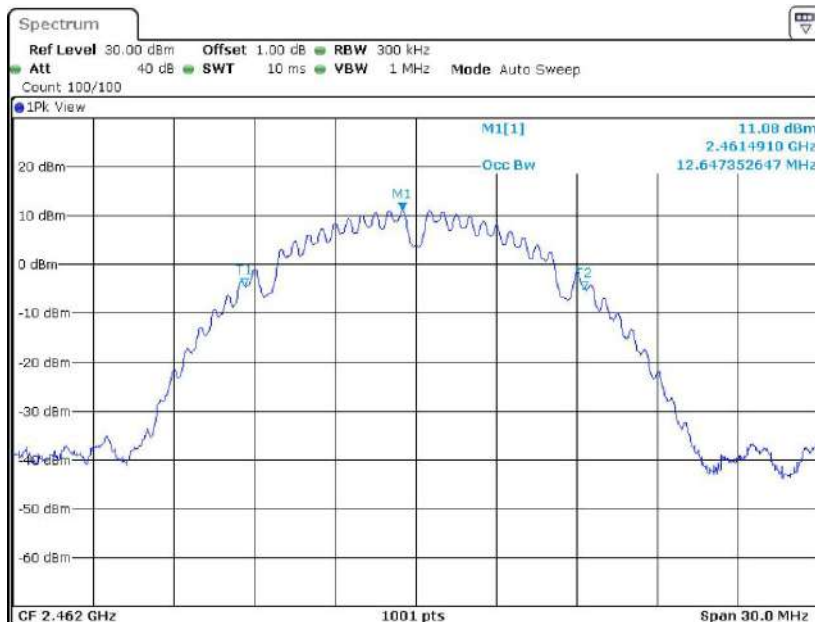


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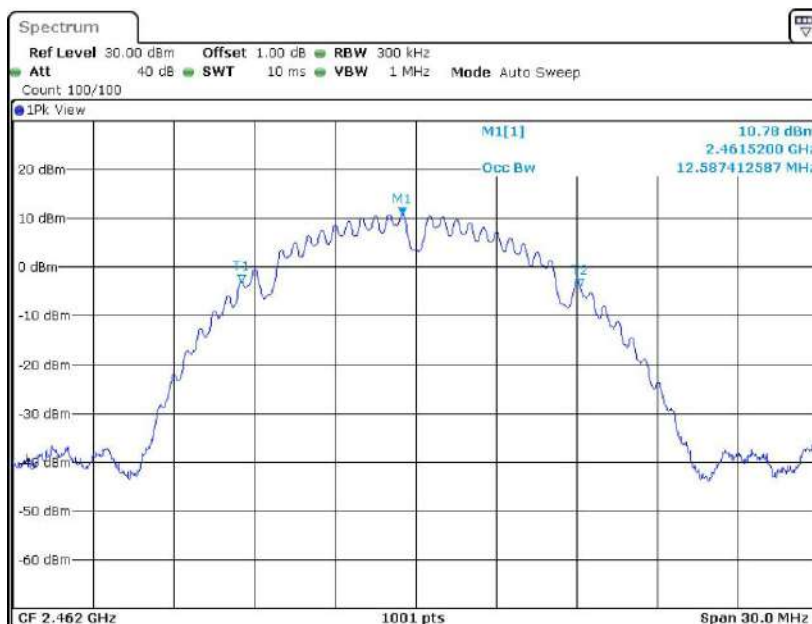
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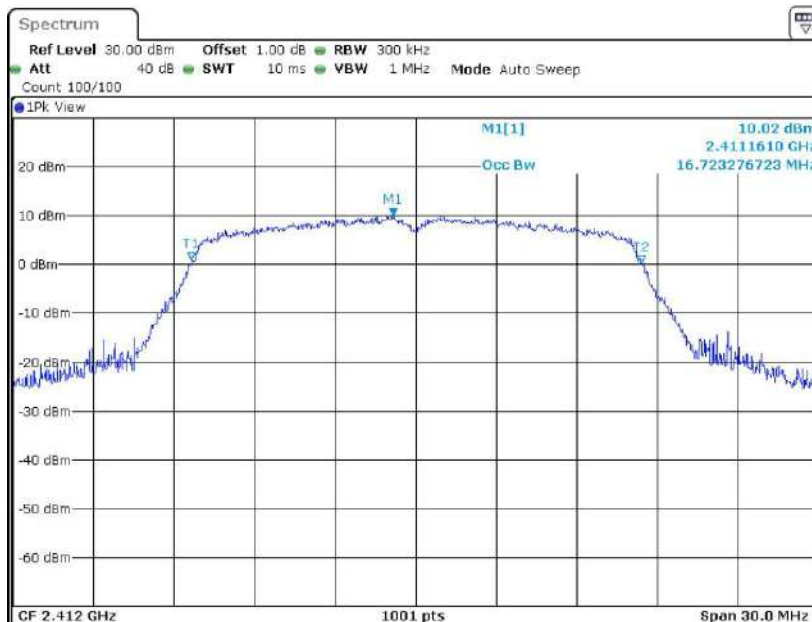


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Date: 6 MAY 2021 06:35:51

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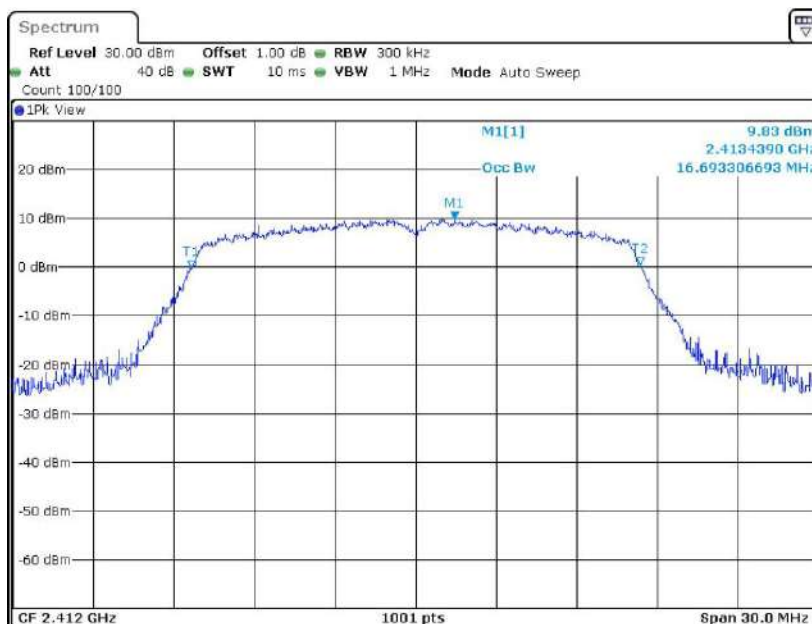
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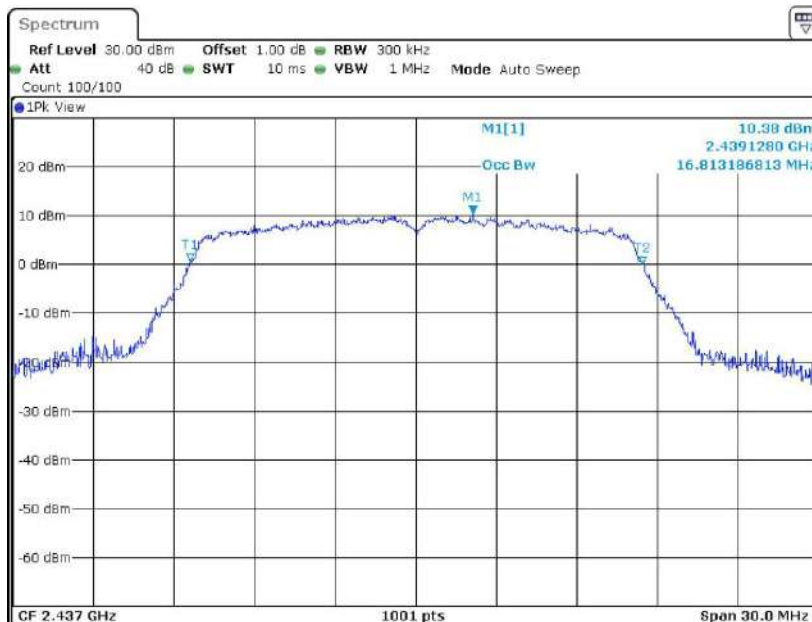


11G\_Ant2\_2412



Date: 6 MAY 2021 06:37:43

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Date: 6 MAY 2021 04:46:33



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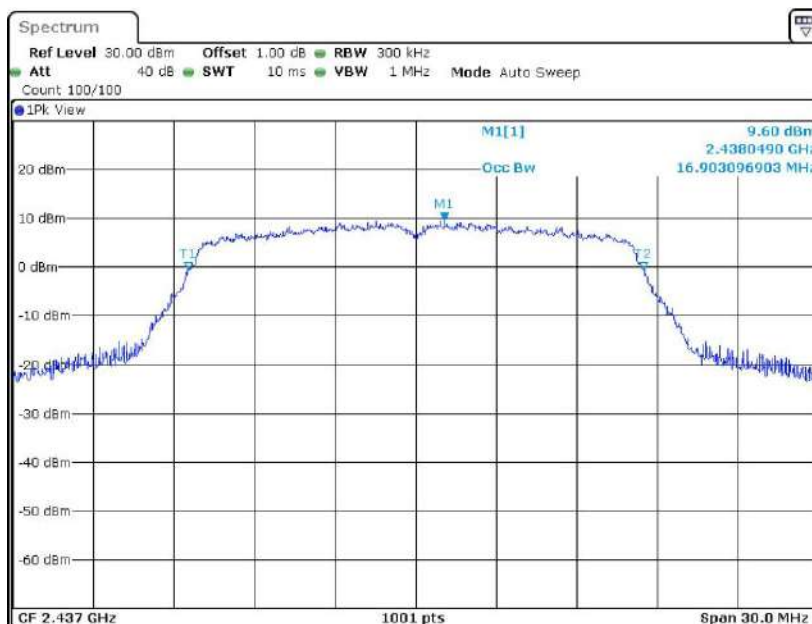
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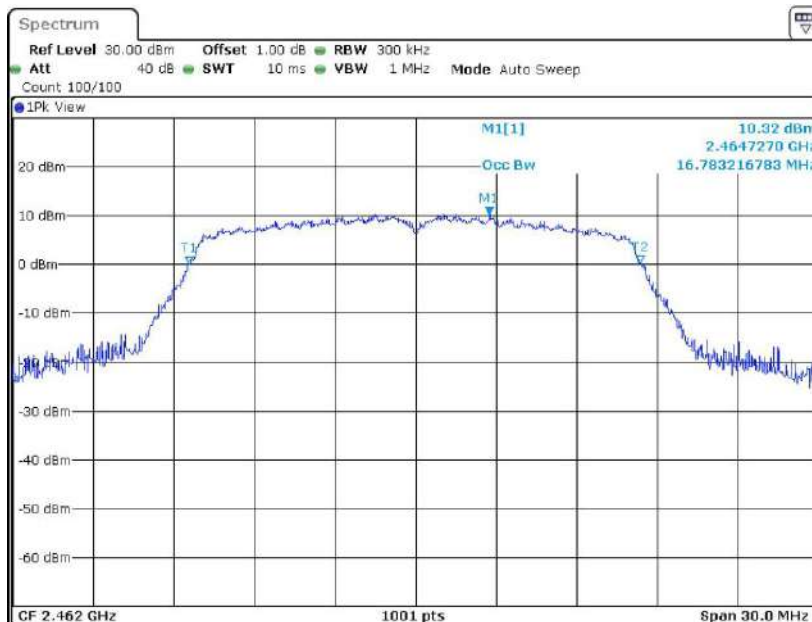


11G\_Ant2\_2437



Date: 6 MAY 2021 06:39:27

11G\_Ant1\_2462



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11N20SISO\_Ant1\_2412



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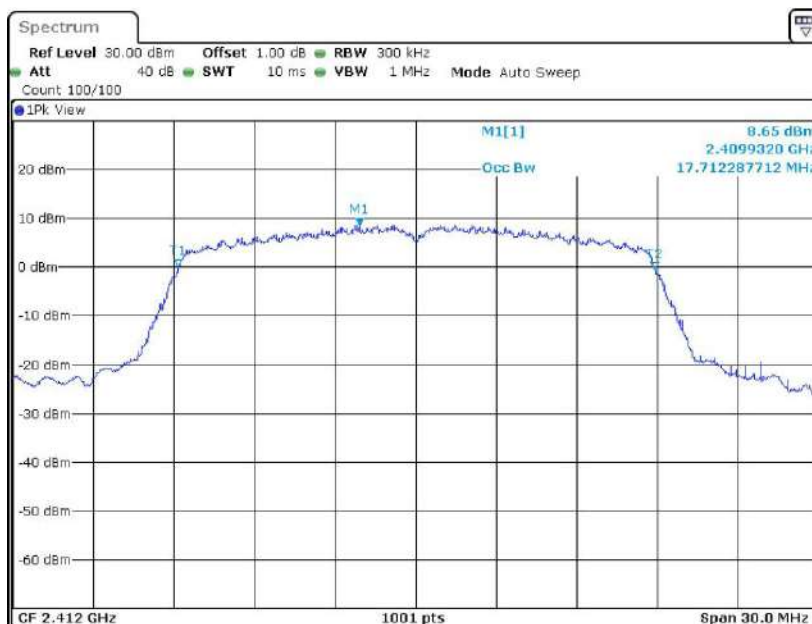
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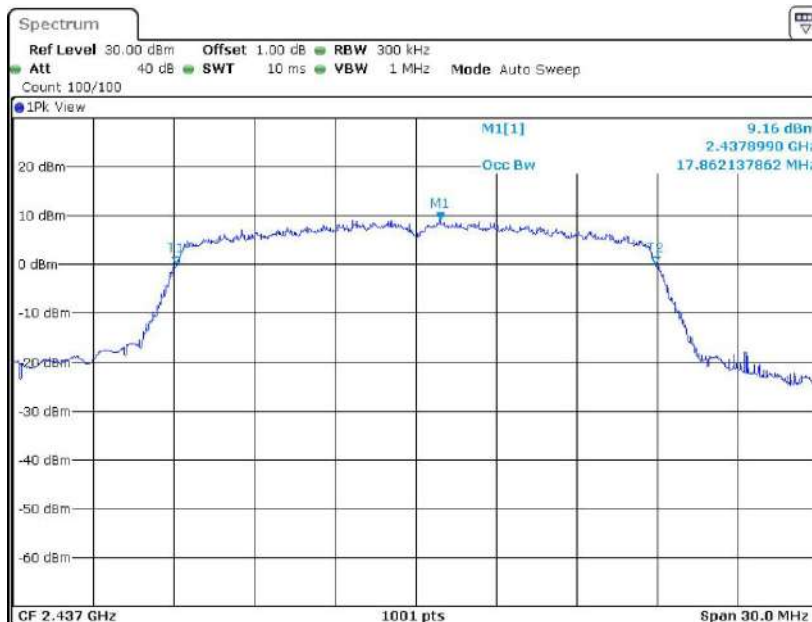


11N20SISO\_Ant2\_2412



Date: 6 MAY 2021 06:42:45

11N20SISO\_Ant1\_2437



Date: 6 MAY 2021 04:56:02



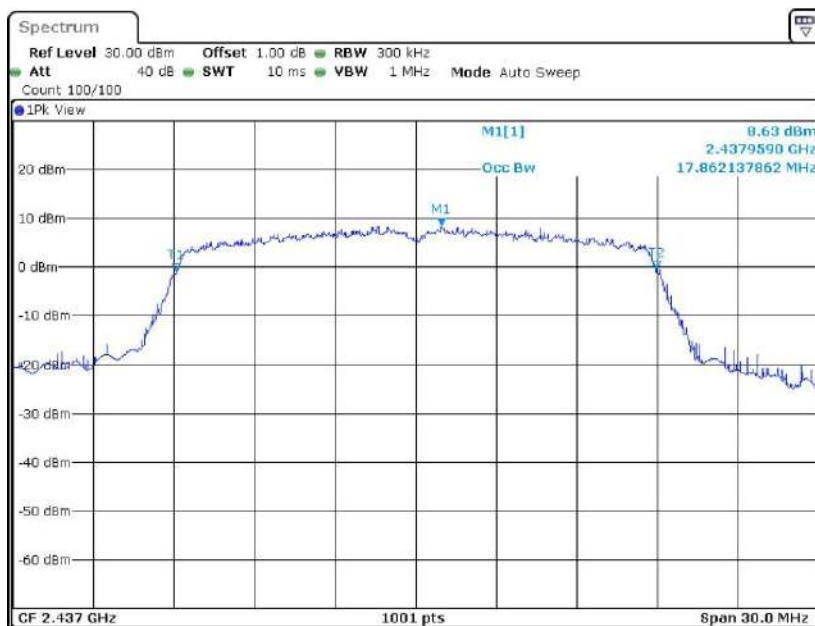
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11N20SISO\_Ant2\_2437



Date: 6 MAY 2021 06:44:25

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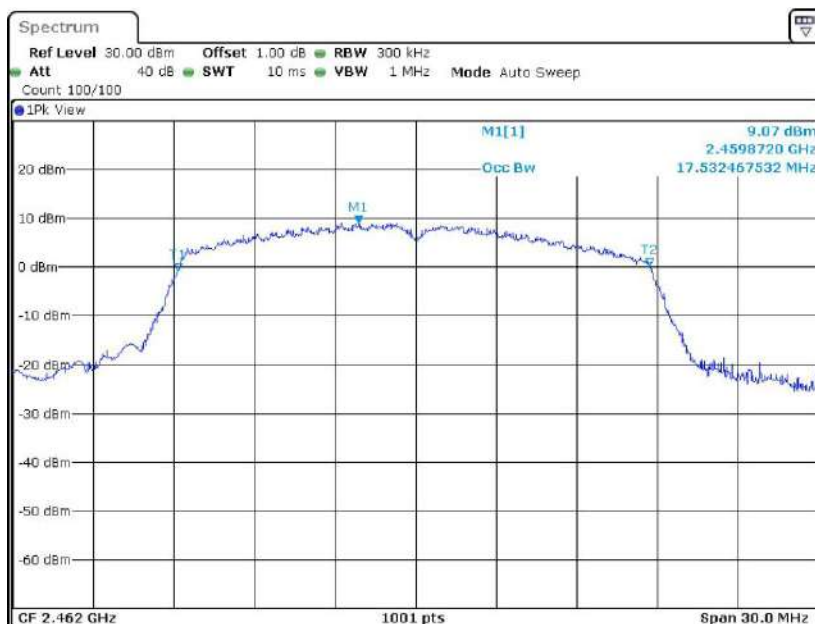
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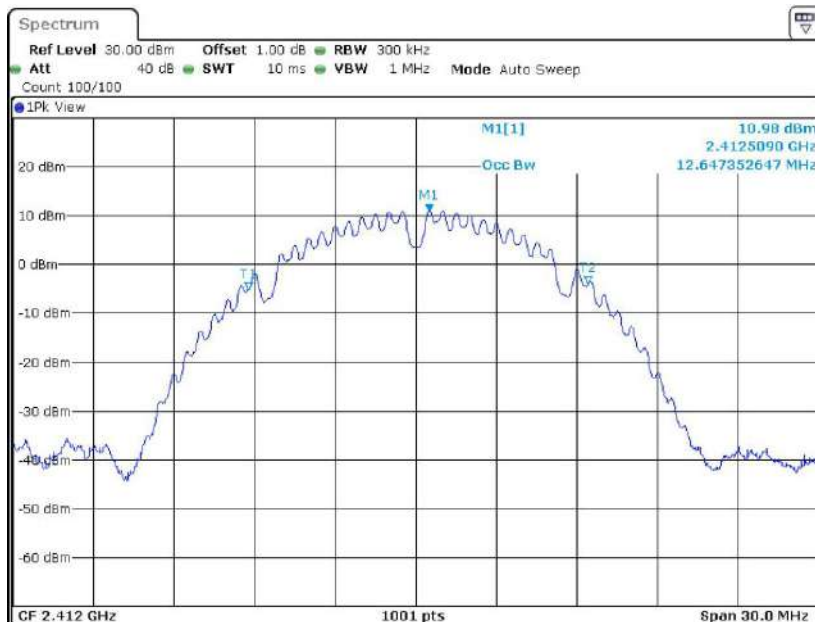


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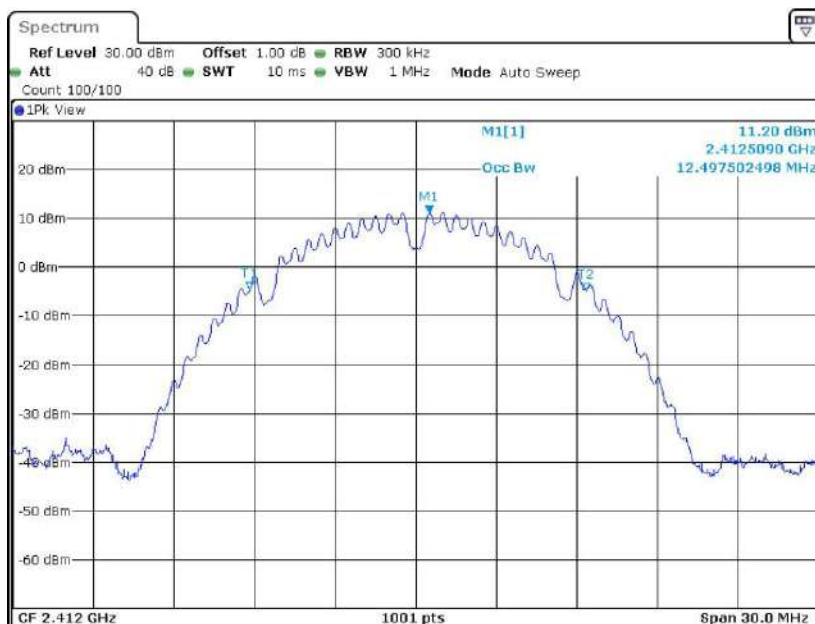
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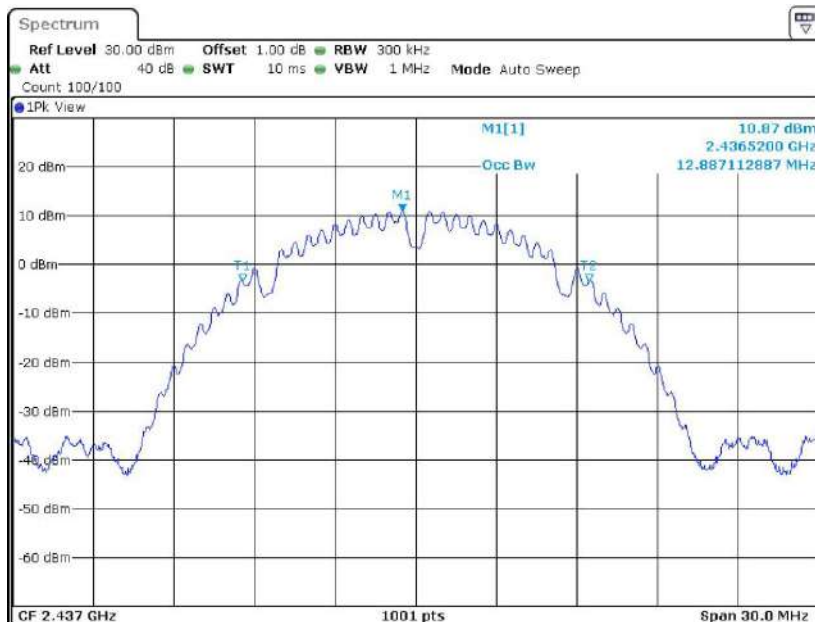


11B-CDD\_Ant2\_2412



Date: 6 MAY 2021 06:54:49

11B-CDD\_Ant1\_2437



Date: 6 MAY 2021 05:15:45



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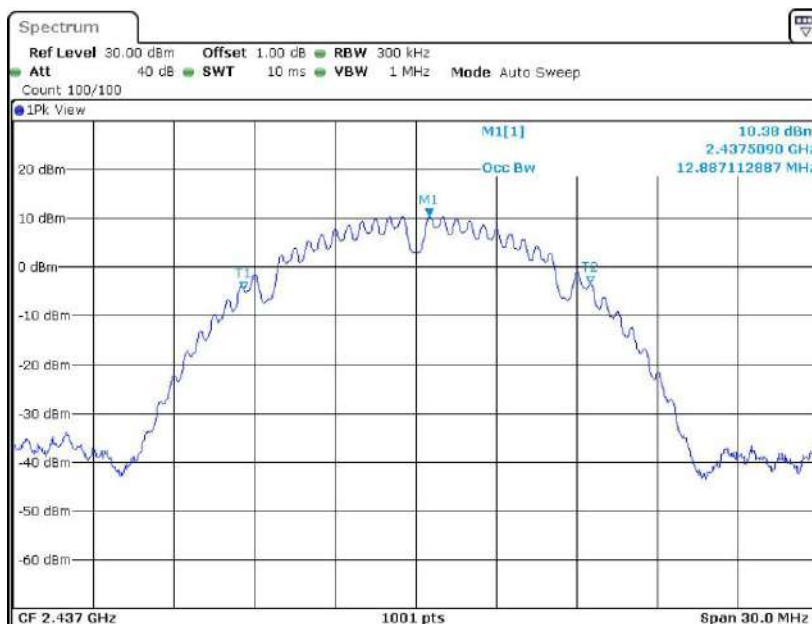
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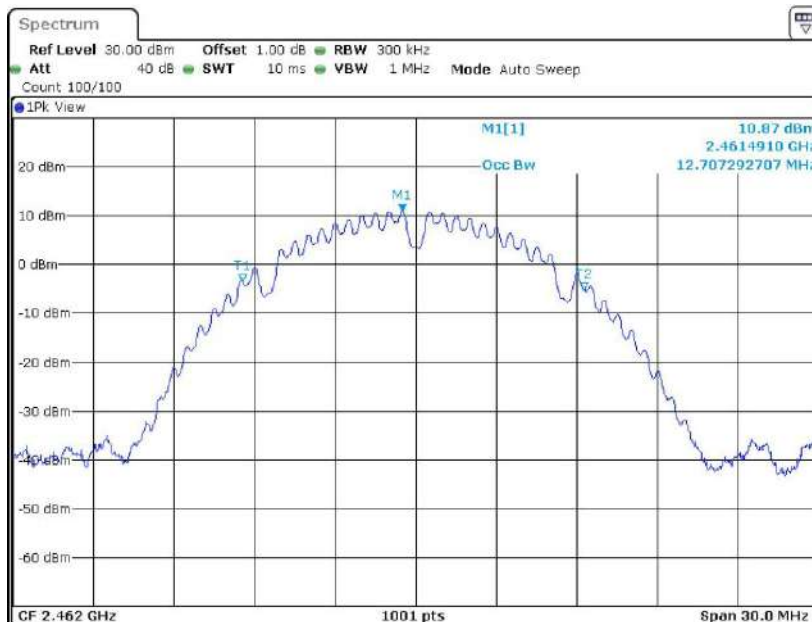


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Date: 6 MAY 2021 06:58:02

11B-CDD\_Ant1\_2462



Date: 6 MAY 2021 05:17:15



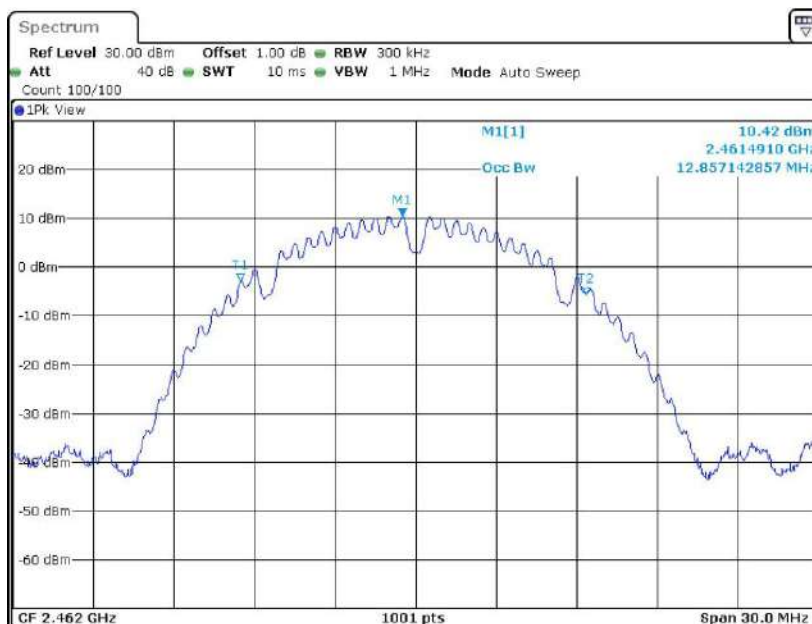
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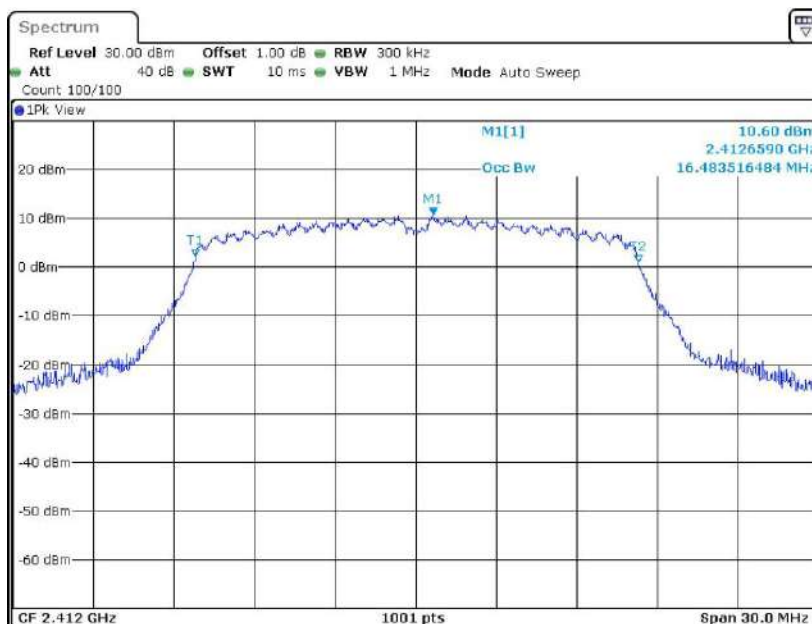
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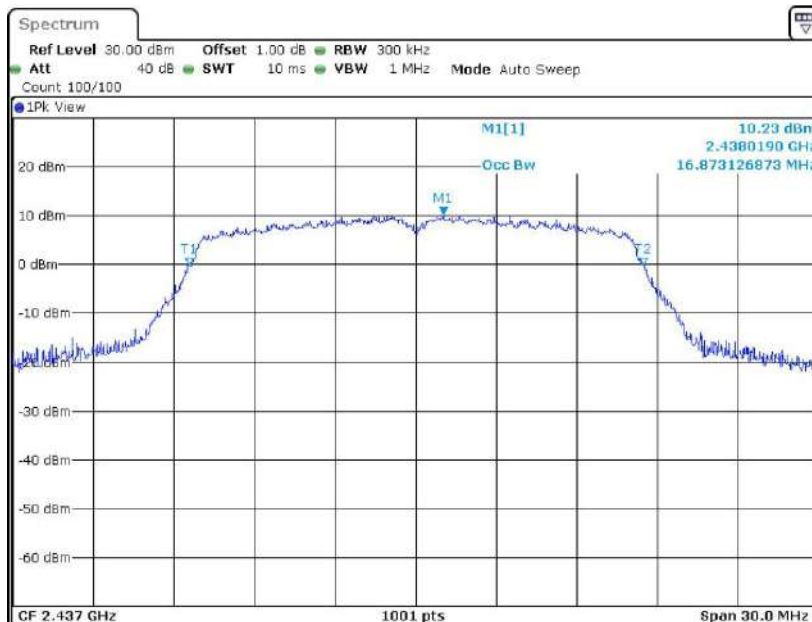


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Date: 6 MAY 2021 07:01:17

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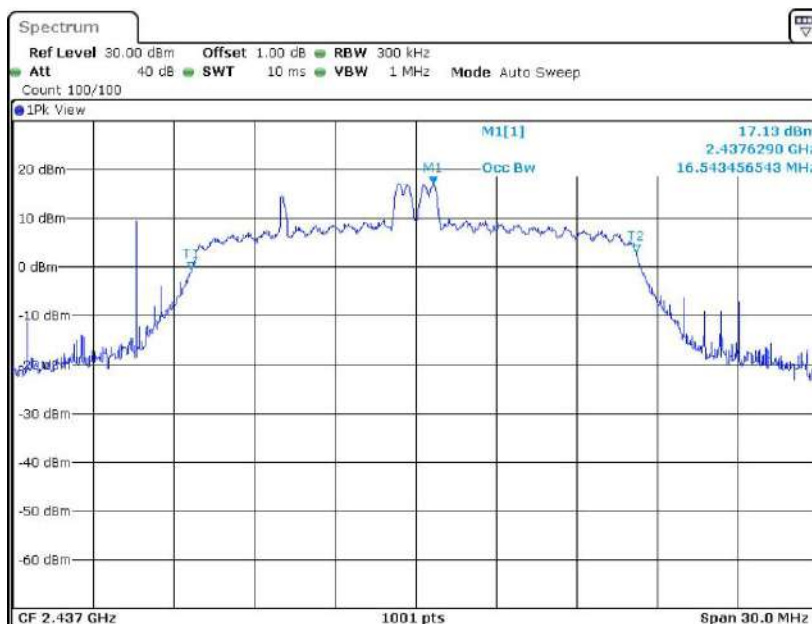
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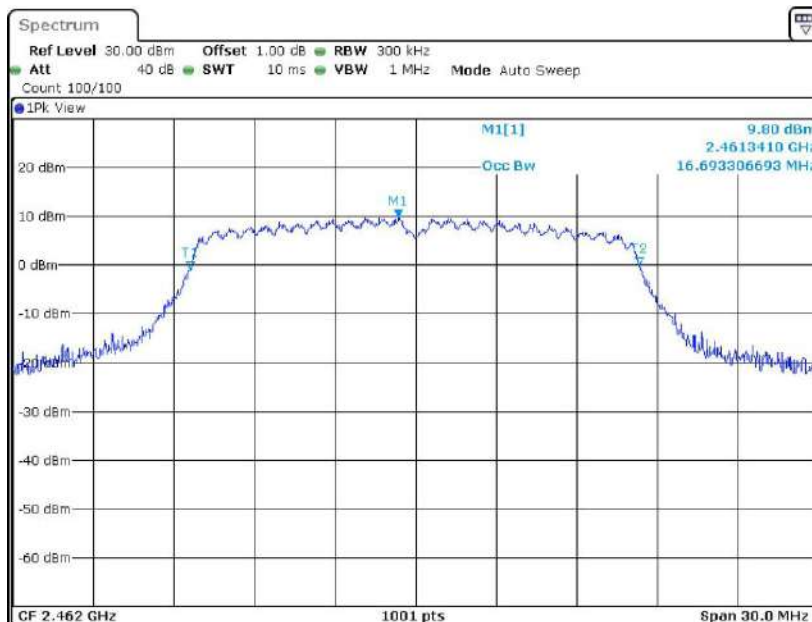
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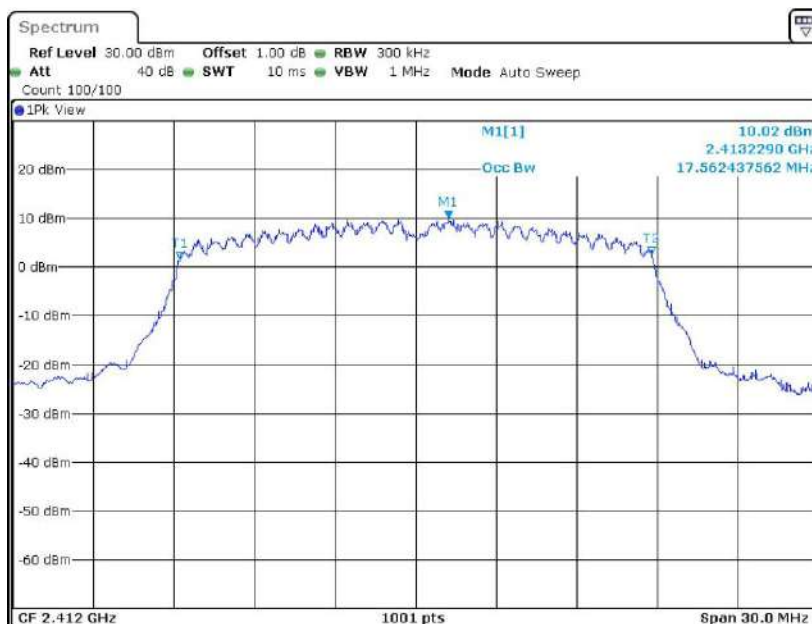
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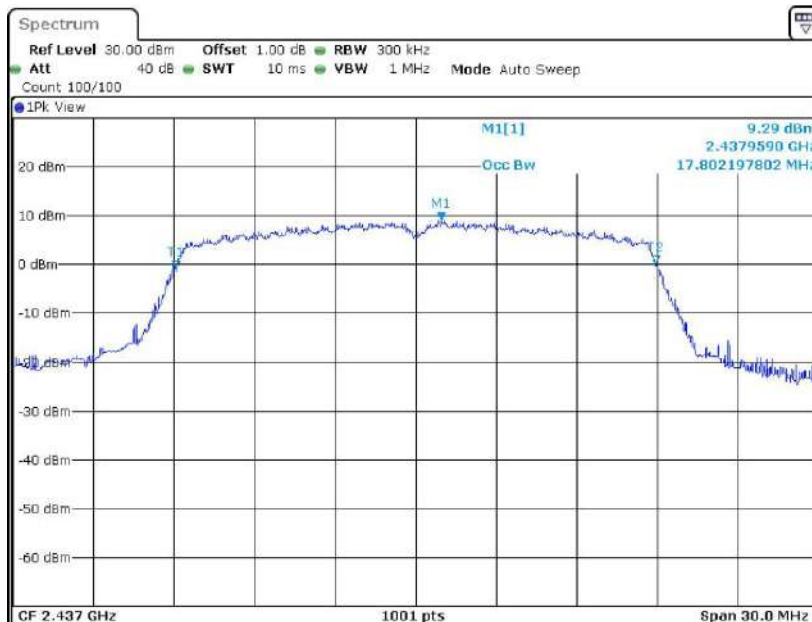


11N20MIMO\_Ant2\_2412



Date: 6 MAY 2021 07:06:17

11N20MIMO\_Ant1\_2437



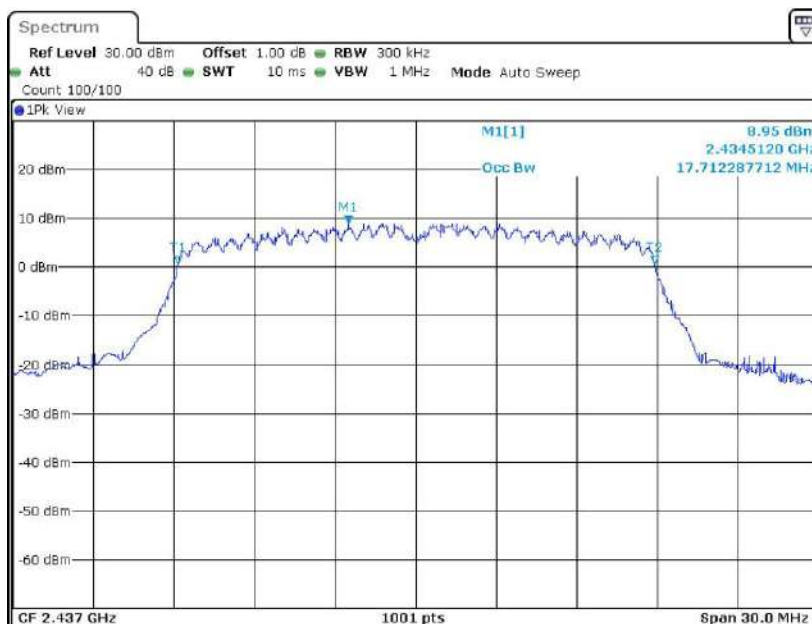
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11N20MIMO\_Ant2\_2437



Date: 6 MAY 2021 07:07:57

11N20MIMO\_Ant1\_2462



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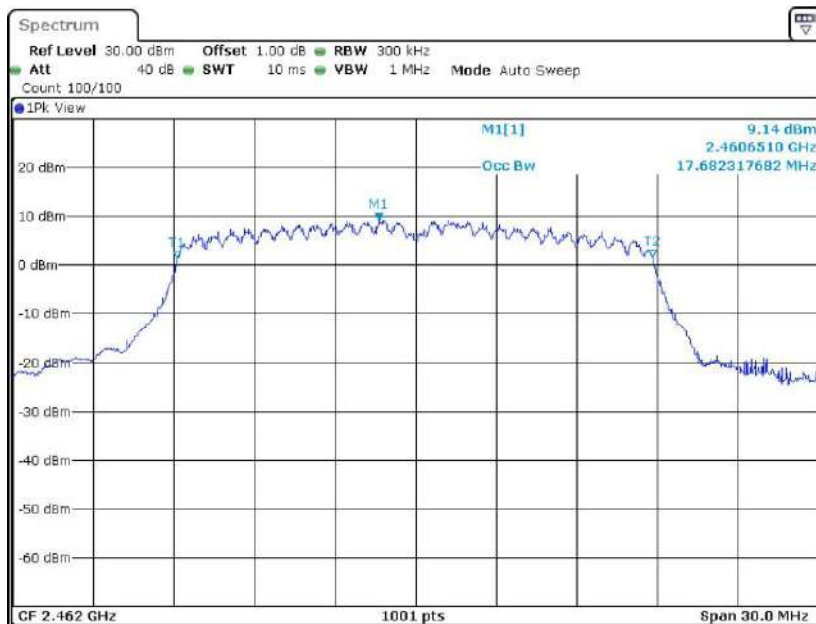
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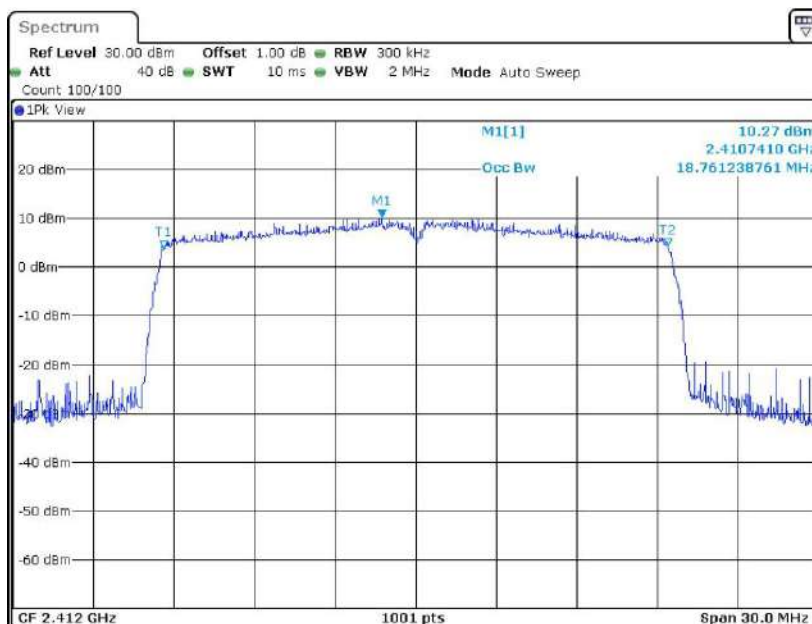
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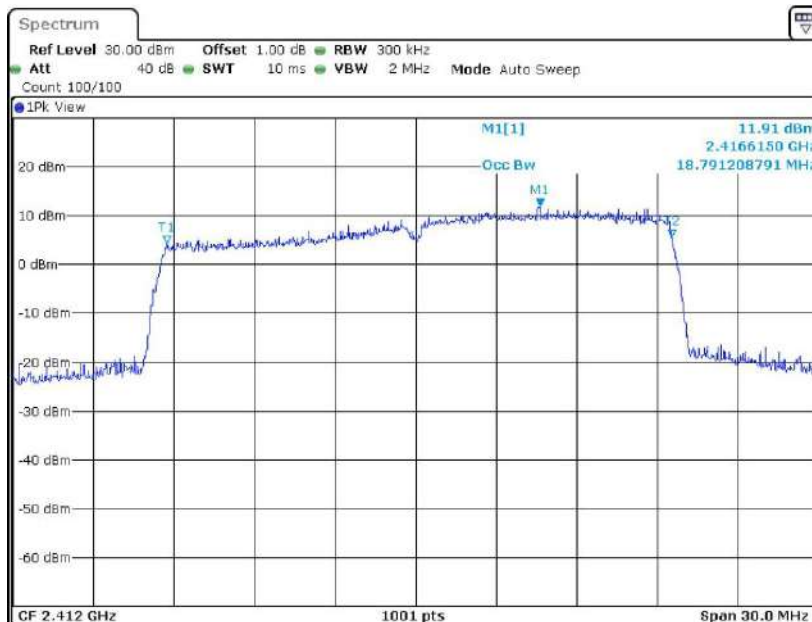


11AX20SISO\_Ant1\_2412



Date: 6 MAY 2021 07:40:16

11AX20SISO\_Ant2\_2412



Date: 6 MAY 2021 07:53:27

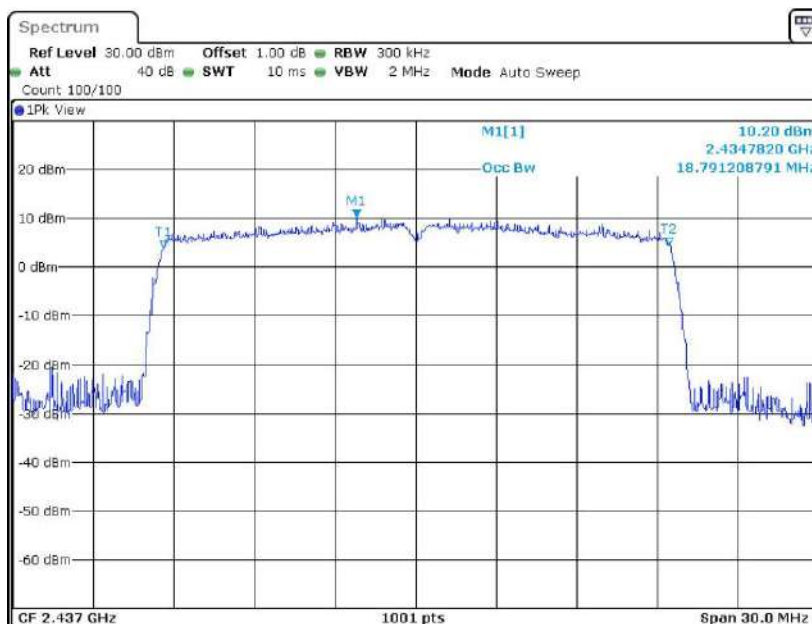


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## 11AX20SISO Ant1 2437



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## 11AX20SISO Ant2 2437



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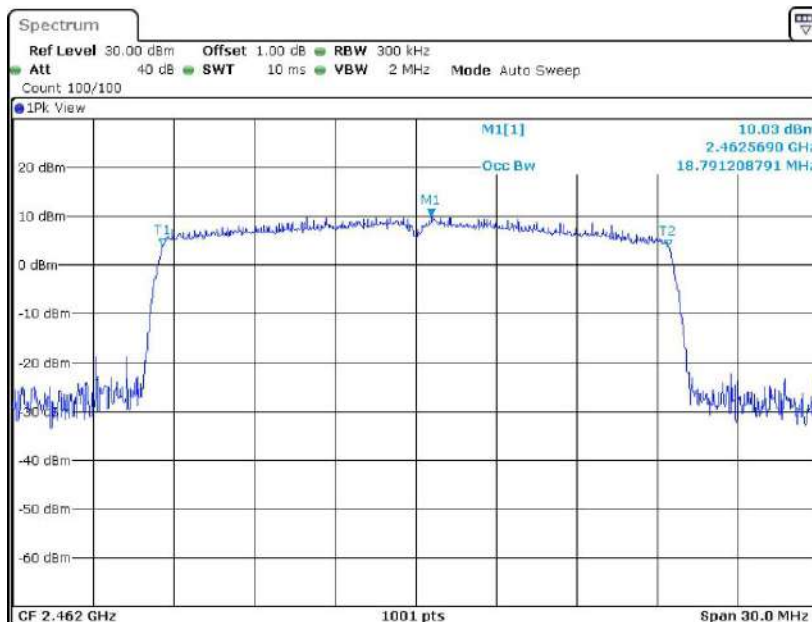
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11AX20SISO\_Ant1\_2462



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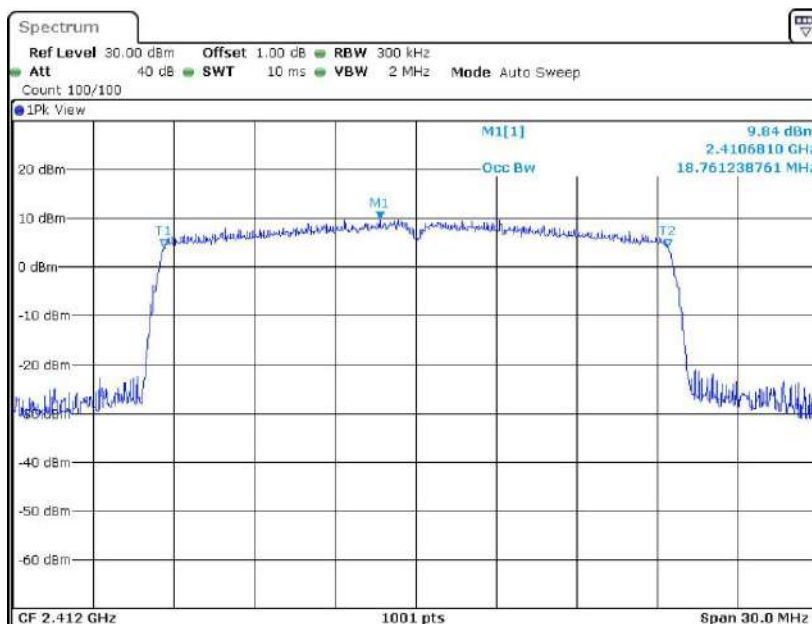
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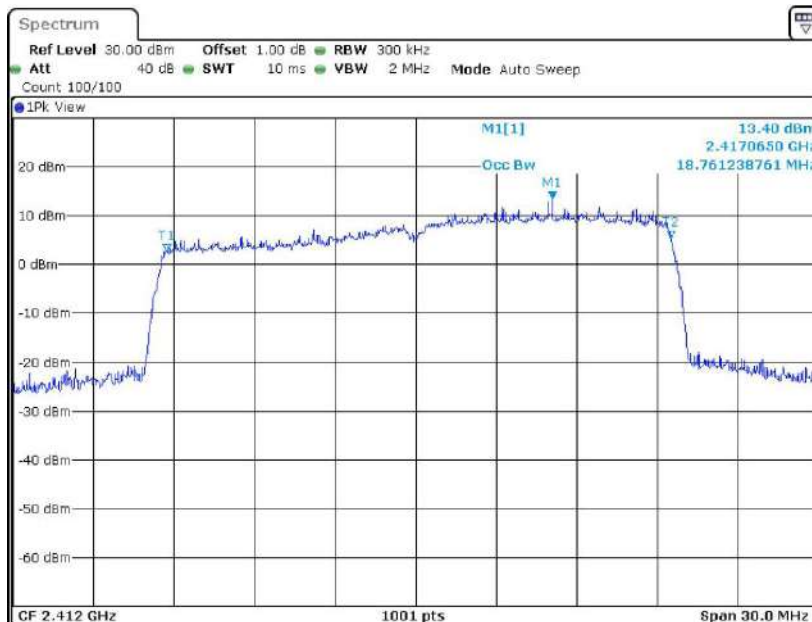


11AX20MIMO\_Ant1\_2412



Date: 6 MAY 2021 07:45:54

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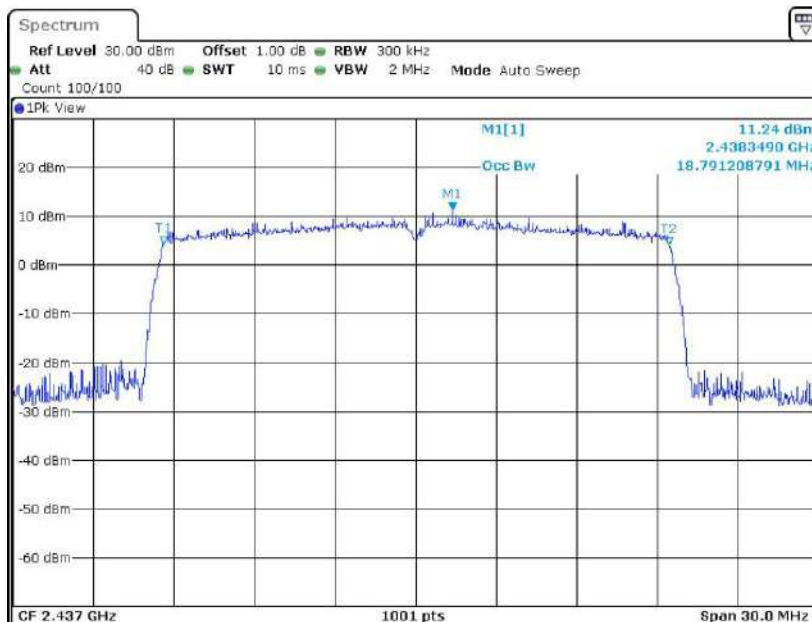
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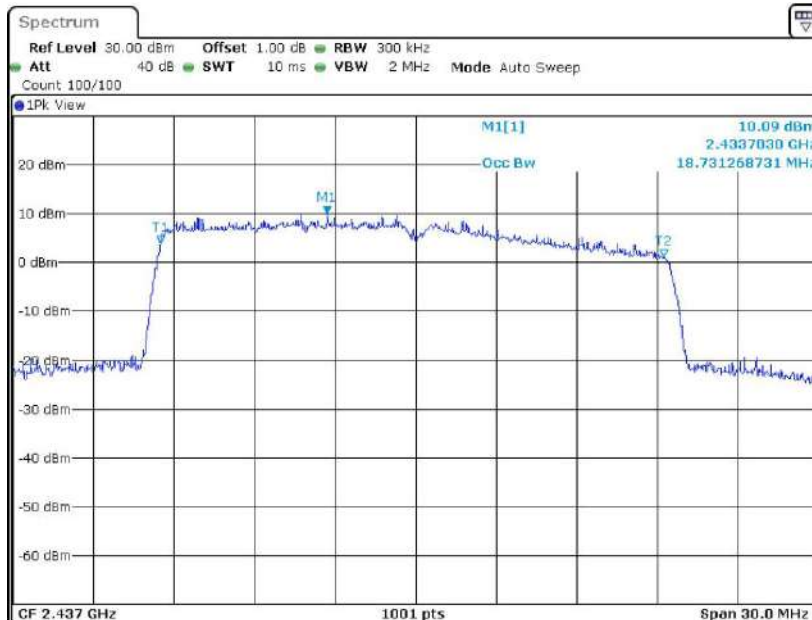


11AX20MIMO\_Ant1\_2437



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11AX20MIMO\_Ant2\_2437



Date: 6 MAY 2021 08:00:24



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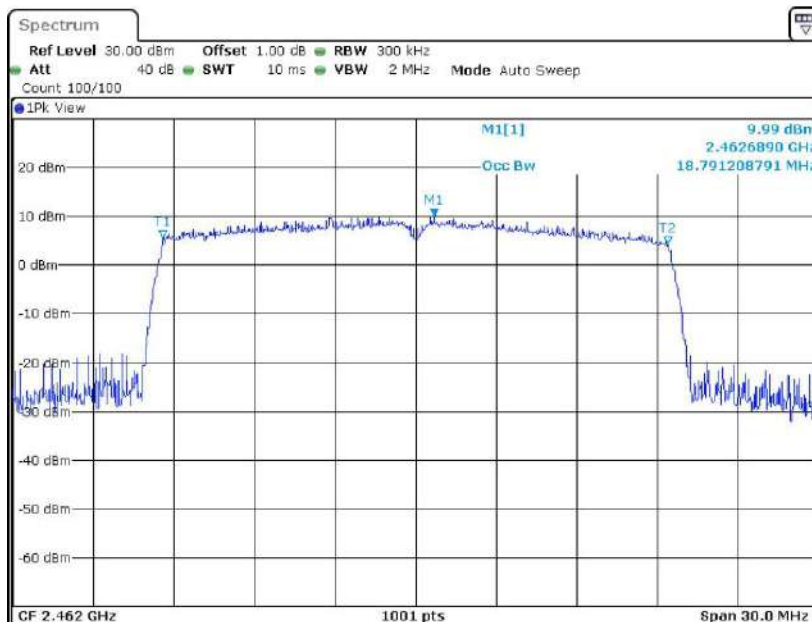
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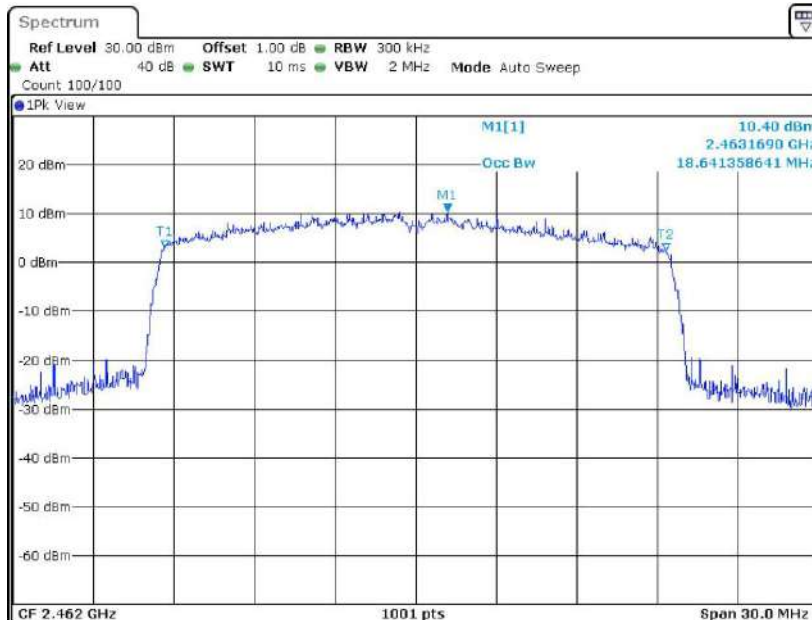


11AX20MIMO\_Ant1\_2462



Date: 6 MAY 2021 07:49:59

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## Maximum conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	21.22	<=30	PASS
	Ant2	2412	21.40	<=30	PASS
	Ant1	2437	21.26	<=30	PASS
	Ant2	2437	20.75	<=30	PASS
	Ant1	2462	21.30	<=30	PASS
	Ant2	2462	20.86	<=30	PASS
11G	Ant1	2412	25.56	<=30	PASS
	Ant2	2412	25.45	<=30	PASS
	Ant1	2437	25.77	<=30	PASS
	Ant2	2437	25.05	<=30	PASS
	Ant1	2462	25.85	<=30	PASS
	Ant2	2462	25.38	<=30	PASS
11N20SISO	Ant1	2412	24.40	<=30	PASS
	Ant2	2412	24.30	<=30	PASS
	Ant1	2437	24.59	<=30	PASS
	Ant2	2437	23.97	<=30	PASS
	Ant1	2462	24.53	<=30	PASS
	Ant2	2462	24.15	<=30	PASS
11B-CDD	Ant1	2412	21.29	<=30	PASS
	Ant2	2412	21.26	<=30	PASS
	total	2412	24.3	<=30	PASS
	Ant1	2437	21.16	<=30	PASS
	Ant2	2437	20.73	<=30	PASS
	total	2437	24.0	<=30	PASS
	Ant1	2462	20.99	<=30	PASS
	Ant2	2462	20.71	<=30	PASS
	total	2462	23.9	<=30	PASS
	total	2412	29.1	<=30	PASS
11G-CDD	Ant1	2412	25.74	<=30	PASS
	Ant2	2412	26.40	<=30	PASS
	total	2412	29.1	<=30	PASS



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	Ant1	2437	25.76	<=30	PASS
	Ant2	2437	25.97	<=30	PASS
	total	2437	28.9	<=30	PASS
	Ant1	2462	25.78	<=30	PASS
	Ant2	2462	25.96	<=30	PASS
	total	2462	28.9	<=30	PASS
11N20MIMO	Ant1	2412	24.49	<=30	PASS
	Ant2	2412	24.99	<=30	PASS
	total	2412	27.8	<=30	PASS
	Ant1	2437	24.69	<=30	PASS
	Ant2	2437	24.58	<=30	PASS
	total	2437	27.6	<=30	PASS
	Ant1	2462	24.54	<=30	PASS
	Ant2	2462	24.64	<=30	PASS
	total	2462	27.6	<=30	PASS



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TestMode	Antenna	Channel	Result [dBm]	Limit[dBm]	Verdict
11AX20SISO	Ant1	2412	25.12	<=30	PASS
	Ant2	2412	25.80	<=30	PASS
	Ant1	2437	25.27	<=30	PASS
	Ant2	2437	24.33	<=30	PASS
	Ant1	2462	25.22	<=30	PASS
	Ant2	2462	25.03	<=30	PASS
11AX20MIMO	Ant1	2412	25.11	<=30	PASS
	Ant2	2412	25.60	<=30	PASS
	total	2412	28.4	<=30	PASS
	Ant1	2437	25.20	<=30	PASS
	Ant2	2437	24.20	<=30	PASS
	total	2437	27.7	<=30	PASS
	Ant1	2462	25.20	<=30	PASS
	Ant2	2462	24.77	<=30	PASS
	total	2462	28.0	<=30	PASS



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average power				Ant1	Ant2	MIMO
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)
802.11b	1	2412	1	14.00	13.89	16.96
	6	2437		<b>14.40</b>	<b>14.34</b>	<b>17.38</b>
	11	2462		13.88	13.86	16.88
802.11g	1	2412	6	17.98	17.27	20.65
	6	2437		17.76	17.32	20.56
	11	2462		17.85	17.53	20.70
802.11n HT20	1	2412	6.5	16.92	16.58	19.76
	6	2437		16.51	16.63	19.58
	11	2462		16.97	16.36	19.69
802.11ax HT20	1	2412	MCS0	16.05	16.51	19.30
	6	2437		15.87	15.26	18.59
	11	2462		16.26	15.49	18.90



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## Maximum power spectral density

### Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-2.62	<=8	PASS
	Ant2	2412	-2.96	<=8	PASS
	Ant1	2437	-3.53	<=8	PASS
	Ant2	2437	-4.04	<=8	PASS
	Ant1	2462	-2.64	<=8	PASS
	Ant2	2462	-3.06	<=8	PASS
11G	Ant1	2412	-5.57	<=8	PASS
	Ant2	2412	-5.16	<=8	PASS
	Ant1	2437	-5.58	<=8	PASS
	Ant2	2437	-6.62	<=8	PASS
	Ant1	2462	-5.54	<=8	PASS
	Ant2	2462	-5.17	<=8	PASS
11N20SISO	Ant1	2412	-6.45	<=8	PASS
	Ant2	2412	-6.97	<=8	PASS
	Ant1	2437	-6.93	<=8	PASS
	Ant2	2437	-7.63	<=8	PASS
	Ant1	2462	-6.73	<=8	PASS
	Ant2	2462	-7.22	<=8	PASS
11B-CDD	Ant1	2412	-2.57	<=8	PASS
	Ant2	2412	-3.24	<=8	PASS
	total	2412	0.12	<=8	PASS
	Ant1	2437	-2.84	<=8	PASS
	Ant2	2437	-3.03	<=8	PASS
	total	2437	0.08	<=8	PASS
	Ant1	2462	-2.99	<=8	PASS
	Ant2	2462	-4.39	<=8	PASS
	total	2462	-0.62	<=8	PASS
11G-CDD	Ant1	2412	-5.05	<=8	PASS
	Ant2	2412	-6.23	<=8	PASS
	total	2412	-2.59	<=8	PASS
	Ant1	2437	-5.19	<=8	PASS



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	Ant2	2437	-6.94	<=8	PASS
	total	2437	-2.97	<=8	PASS
	Ant1	2462	-5.38	<=8	PASS
	Ant2	2462	-4.61	<=8	PASS
	total	2462	-1.97	<=8	PASS
11N20MIMO	Ant1	2412	-6.75	<=8	PASS
	Ant2	2412	-6.12	<=8	PASS
	total	2412	-3.41	<=8	PASS
	Ant1	2437	-7.35	<=8	PASS
	Ant2	2437	-6.28	<=8	PASS
	total	2437	-3.77	<=8	PASS
	Ant1	2462	-7.25	<=8	PASS
	Ant2	2462	-6.86	<=8	PASS
	total	2462	-4.04	<=8	PASS

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11AX20SISO	Ant1	2412	-9.29	<=8	PASS
	Ant2	2412	-7.67	<=8	PASS
	Ant1	2437	-7.7	<=8	PASS
	Ant2	2437	-9.58	<=8	PASS
	Ant1	2462	-8.71	<=8	PASS
	Ant2	2462	-8.11	<=8	PASS
11AX20MIMO	Ant1	2412	-8.26	<=8	PASS
	Ant2	2412	-7.72	<=8	PASS
	total	2412	-4.97	<=8	PASS
	Ant1	2437	-8.94	<=8	PASS
	Ant2	2437	-9.09	<=8	PASS
	total	2437	-6.00	<=8	PASS
	Ant1	2462	-9.14	<=8	PASS
	Ant2	2462	-8.78	<=8	PASS
	total	2462	-5.95	<=8	PASS



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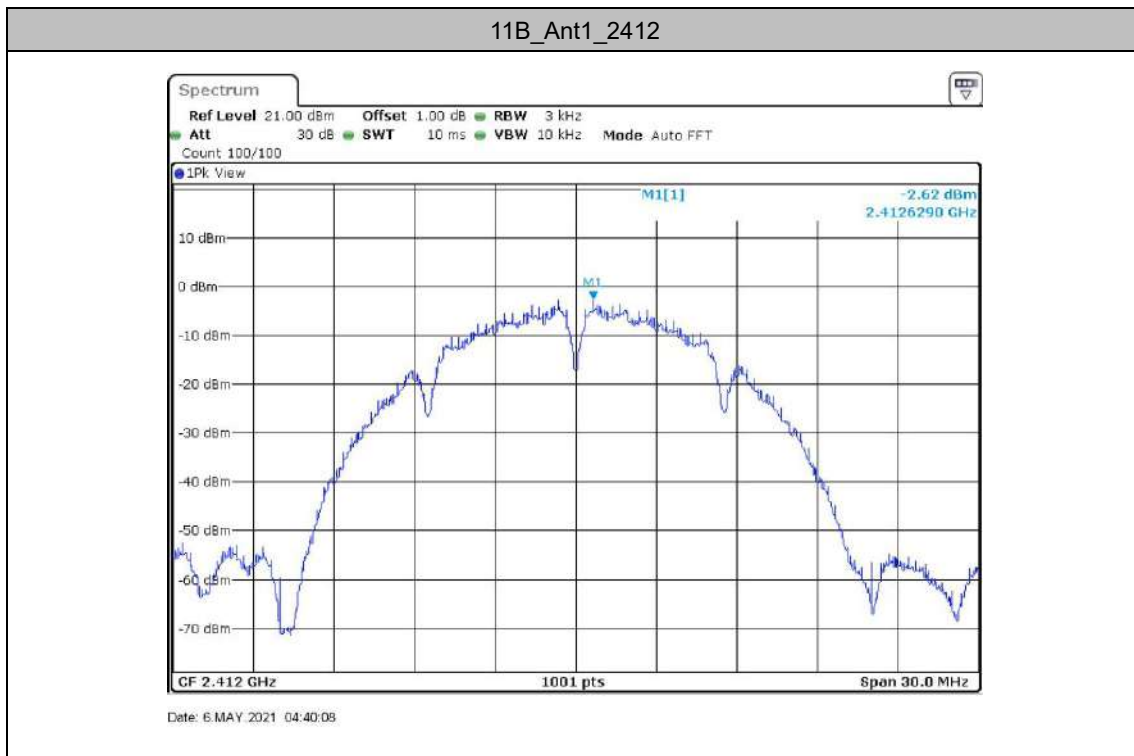
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## Test Graphs



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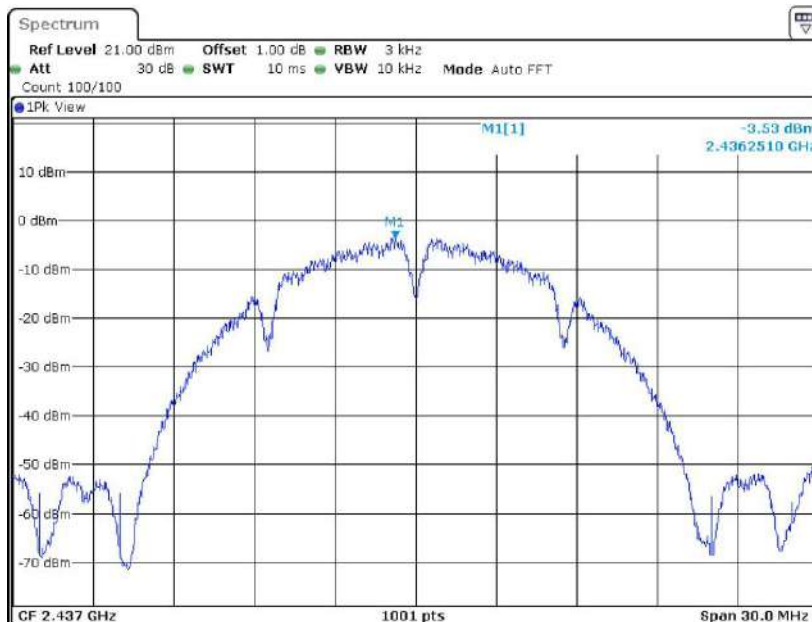


11B\_Ant2\_2412



Date: 6 MAY 2021 06:32:55

11B\_Ant1\_2437



Date: 6 MAY 2021 04:41:53



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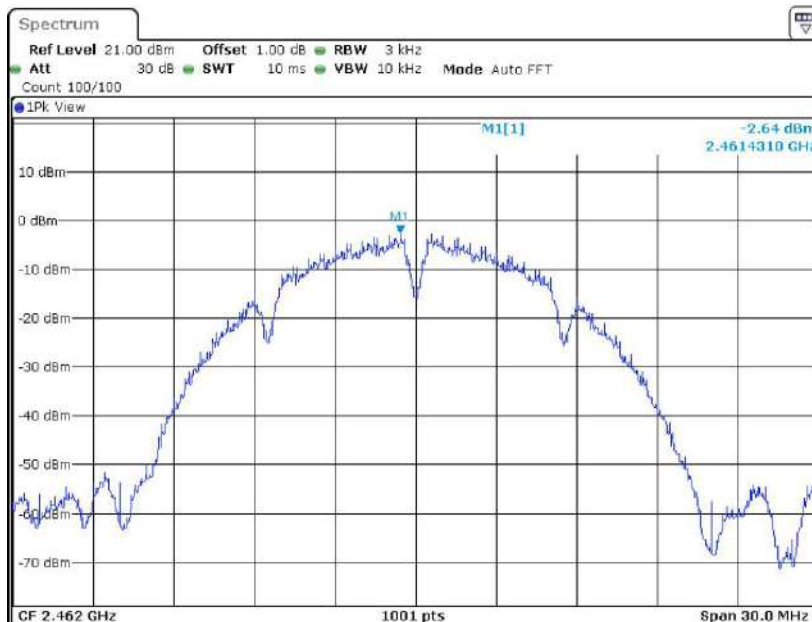


11B\_Ant2\_2437



Date: 6 MAY 2021 06:34:43

11B\_Ant1\_2462



Date: 6 MAY 2021 04:43:20



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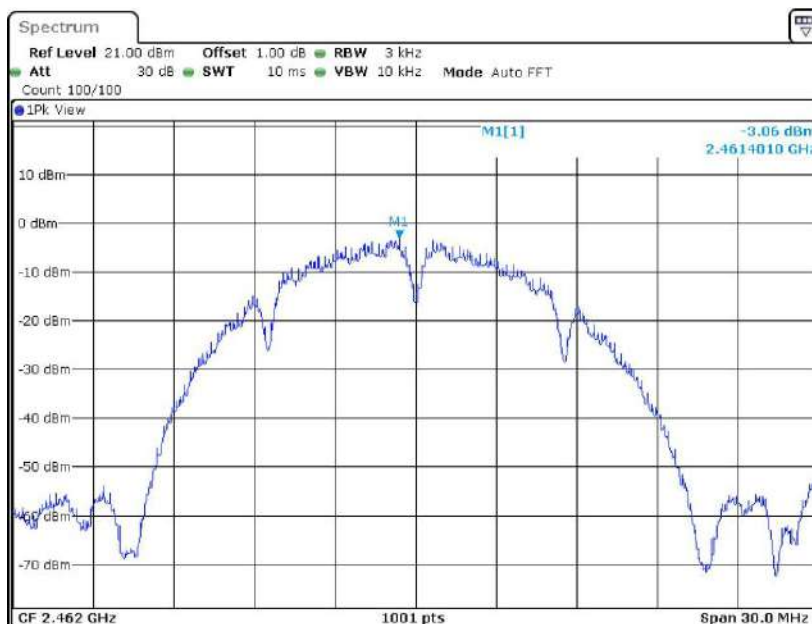
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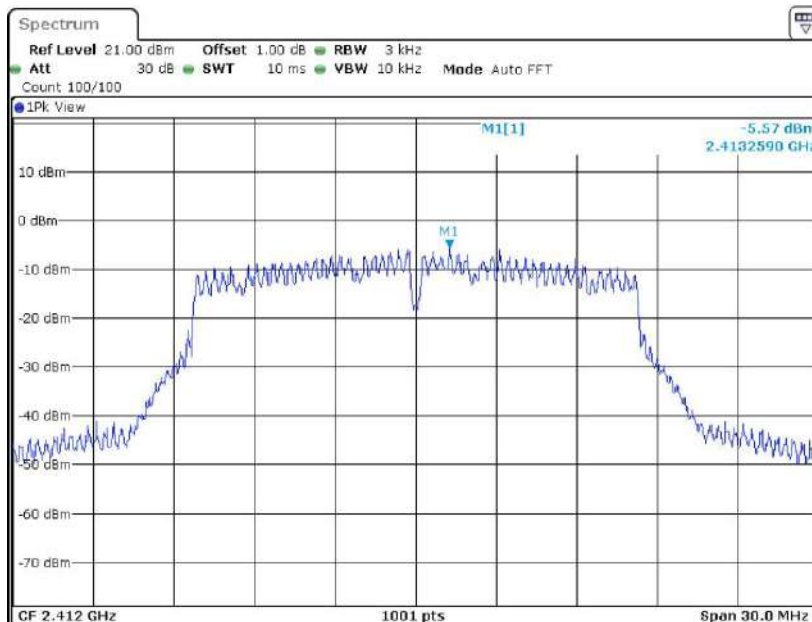


11B\_Ant2\_2462



Date: 6 MAY 2021 06:36:10

11G\_Ant1\_2412



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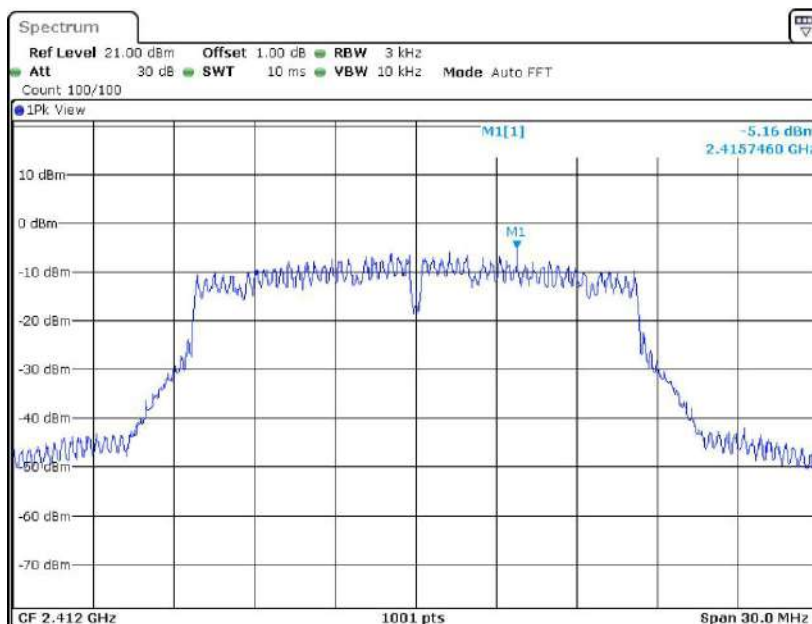
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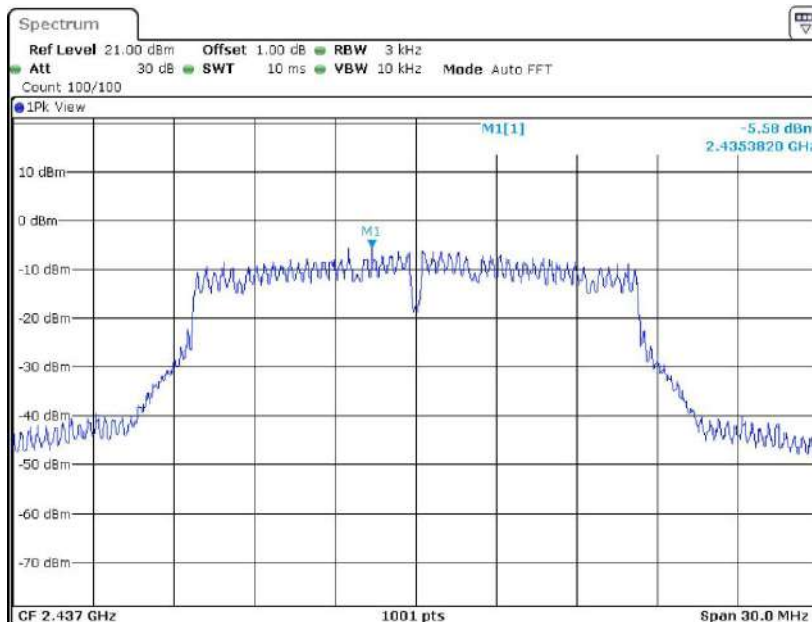


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11G\_Ant1\_2437



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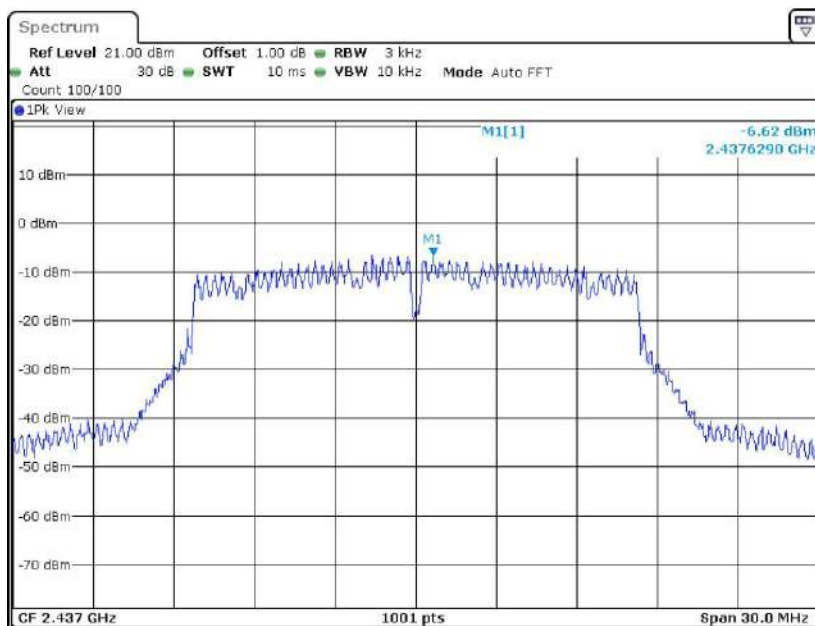
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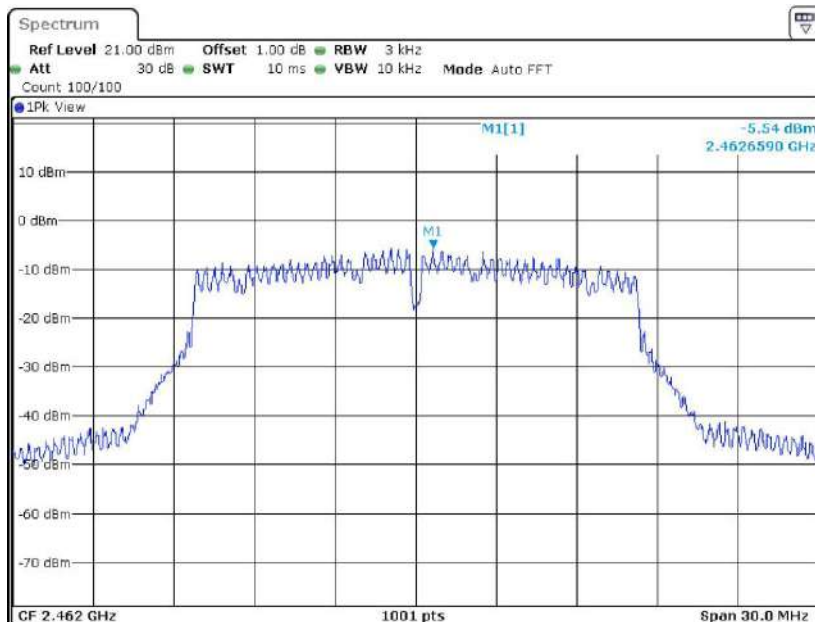


11G\_Ant2\_2437



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11G\_Ant1\_2462



Date: 6 MAY 2021 04:48:22



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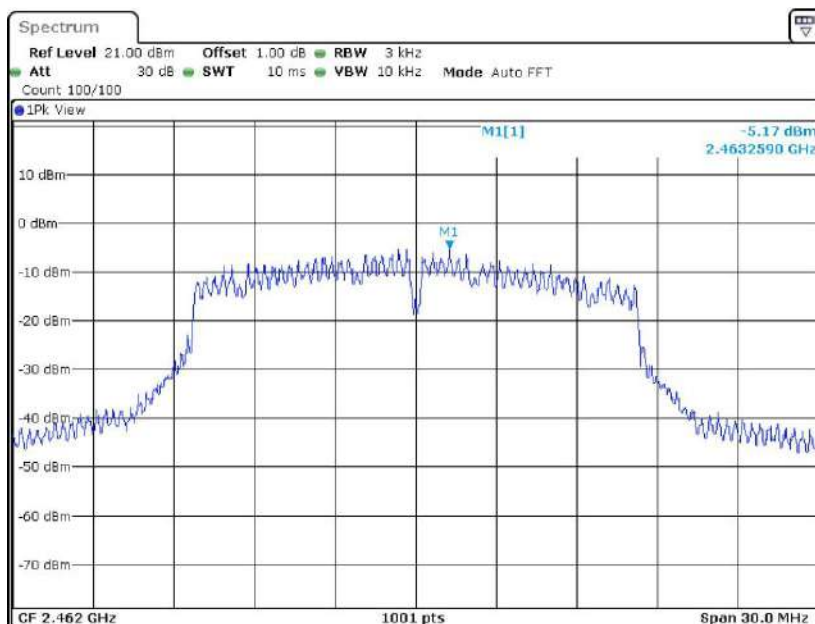
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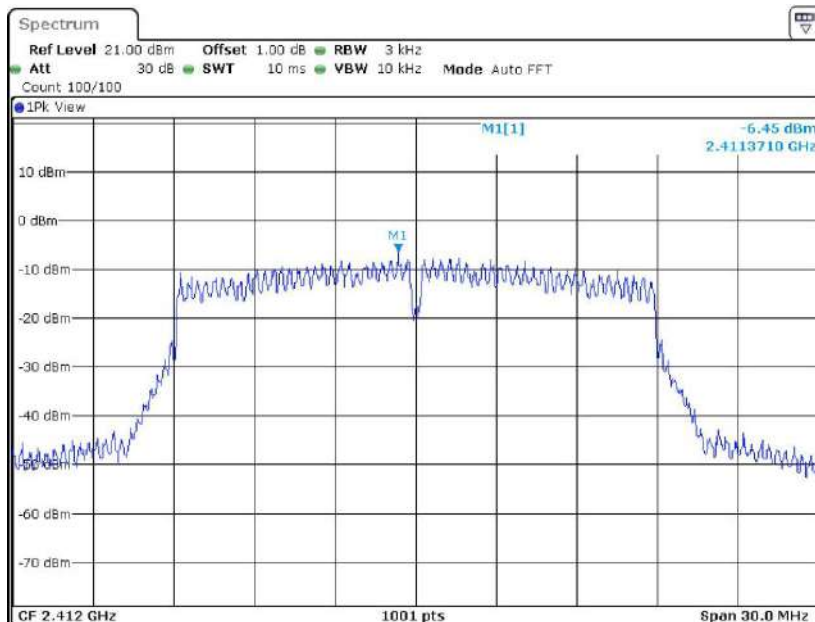


11G\_Ant2\_2462



Date: 6 MAY 2021 06:41:16

11N20SISO\_Ant1\_2412



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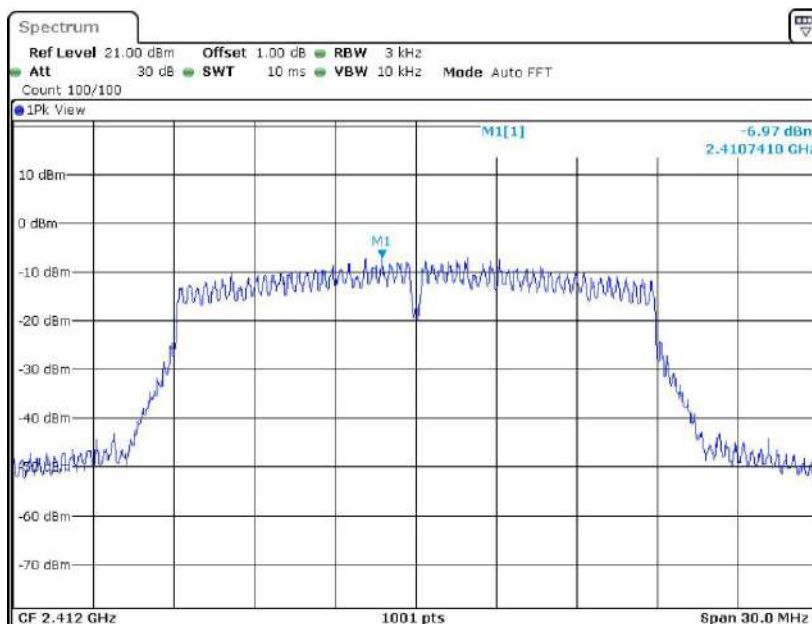
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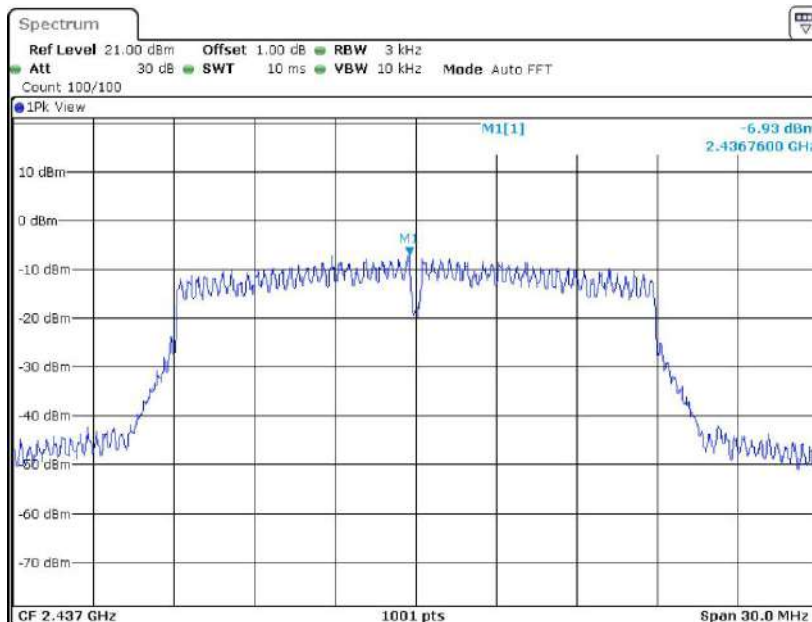


11N20SISO\_Ant2\_2412



Date: 6 MAY 2021 06:43:05

11N20SISO\_Ant1\_2437



Date: 6 MAY 2021 04:56:22



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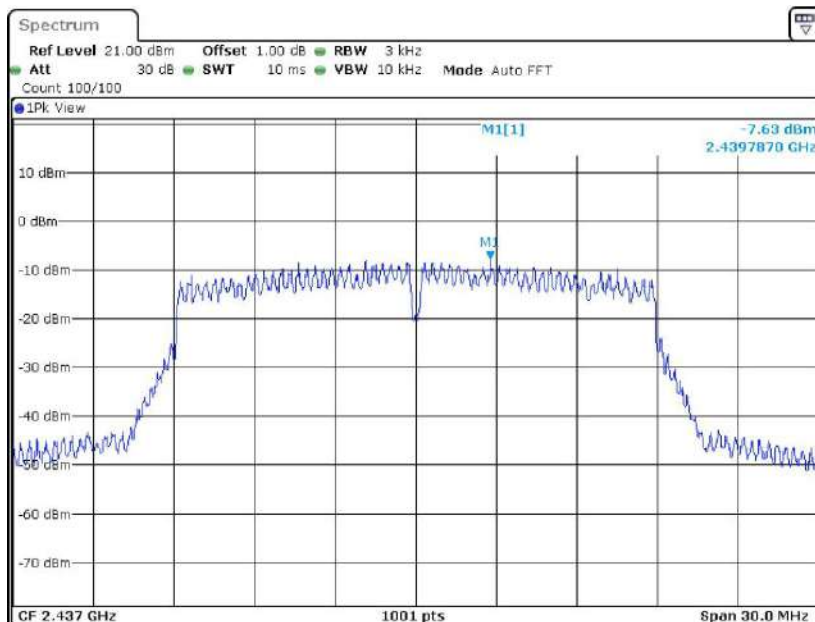
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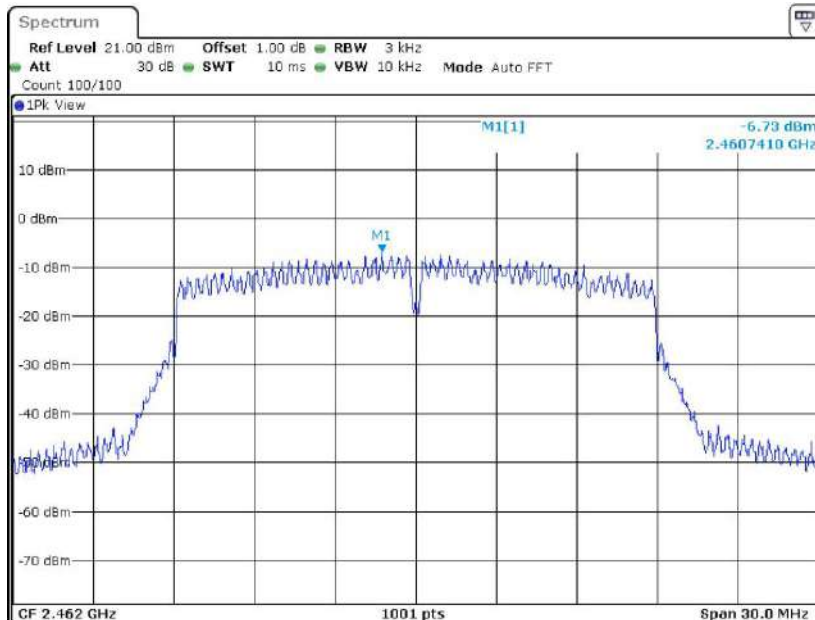


11N20SISO\_Ant2\_2437



Date: 6 MAY 2021 06:44:45

11N20SISO\_Ant1\_2462



Date: 6 MAY 2021 04:57:52



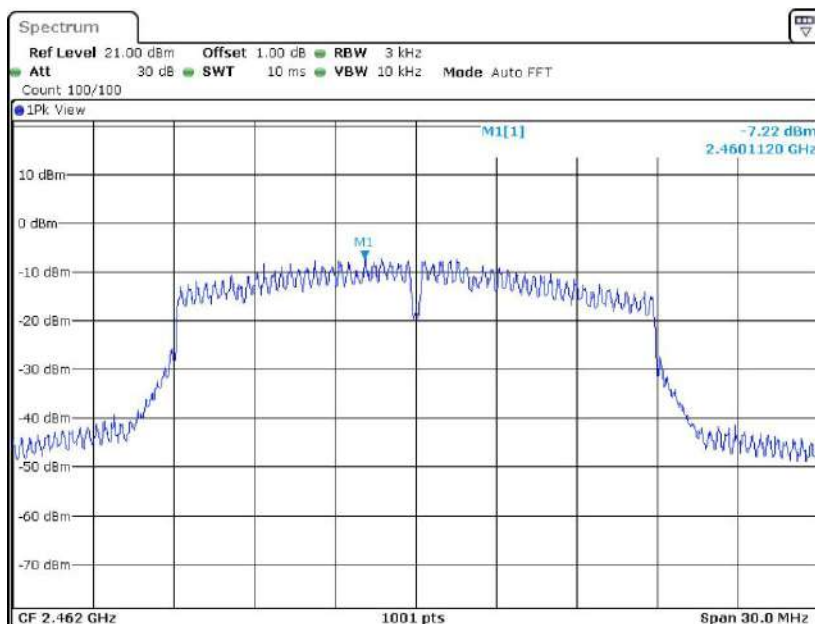
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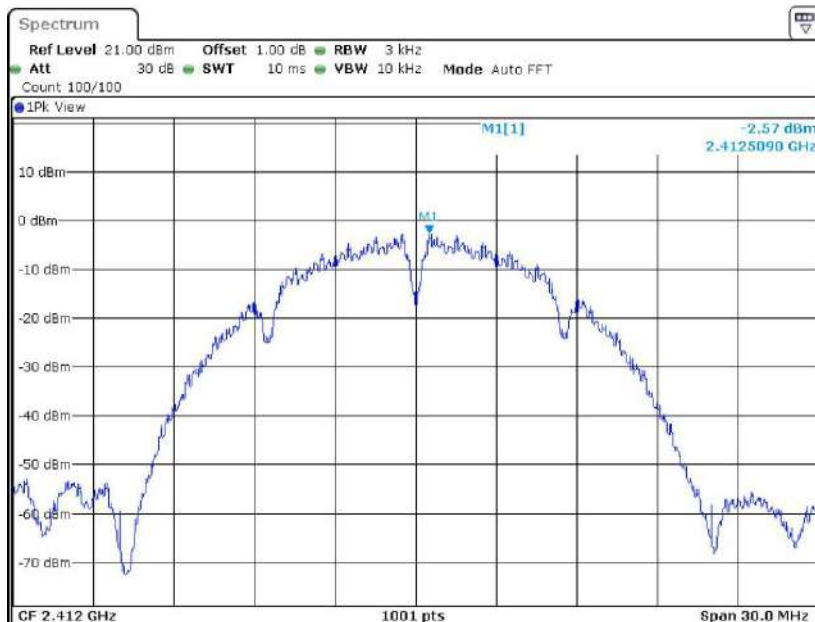


11N20SISO\_Ant2\_2462



Date: 6 MAY 2021 06:46:25

11B-CDD\_Ant1\_2412



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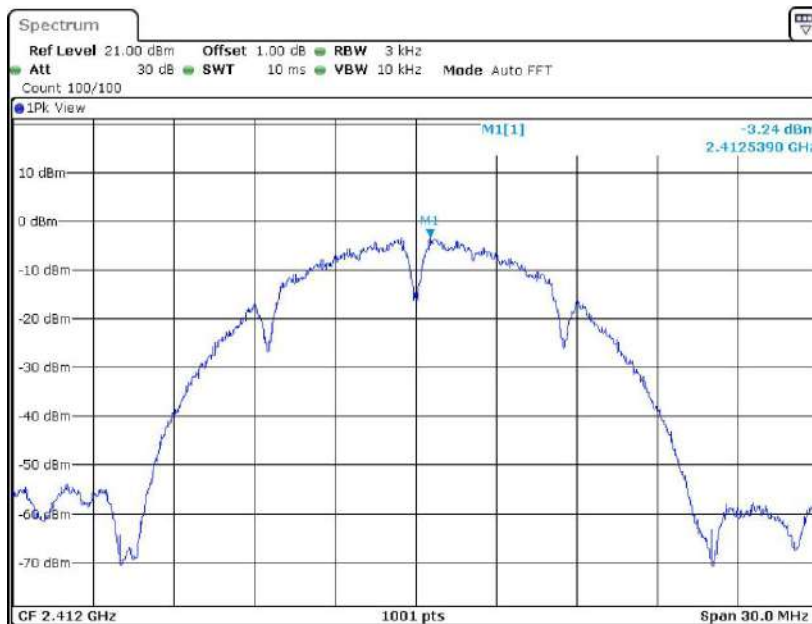
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Date: 6 MAY 2021 06:55:09

11B-CDD\_Ant1\_2437



Date: 6 MAY 2021 05:16:05



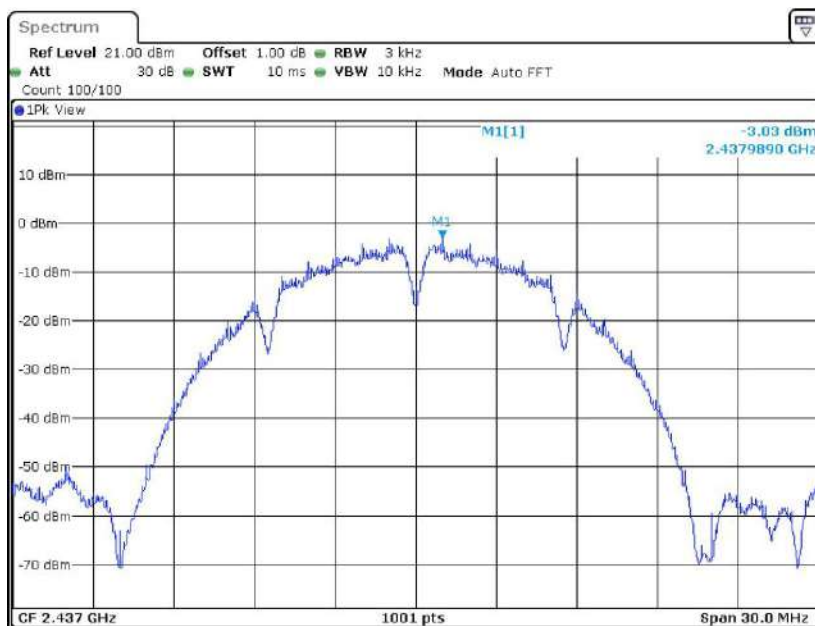
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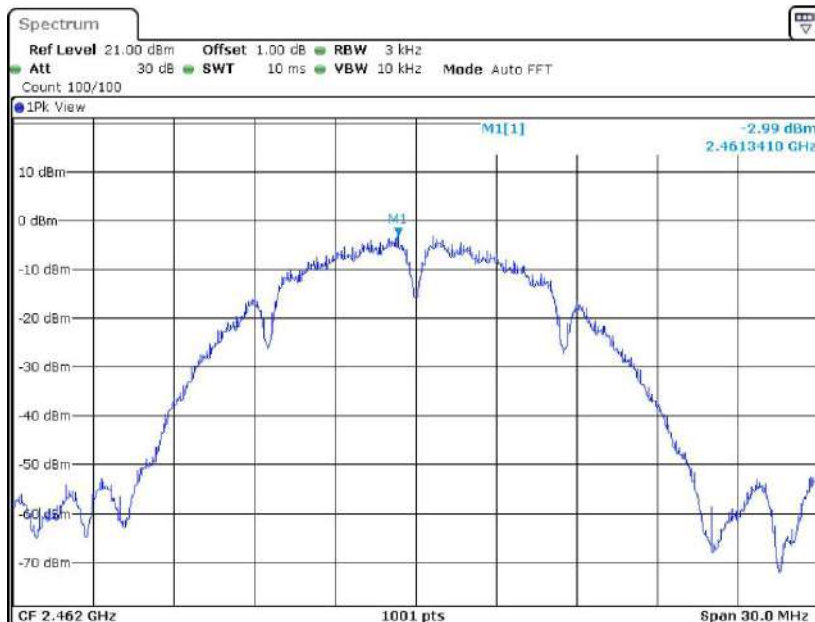


11B-CDD\_Ant2\_2437



Date: 6 MAY 2021 06:58:23

11B-CDD\_Ant1\_2462



Date: 6 MAY 2021 05:17:38

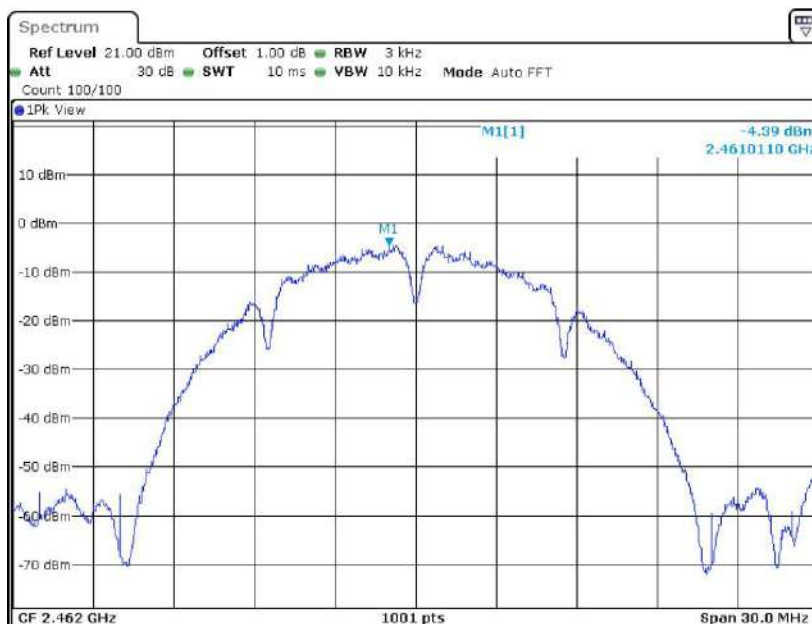


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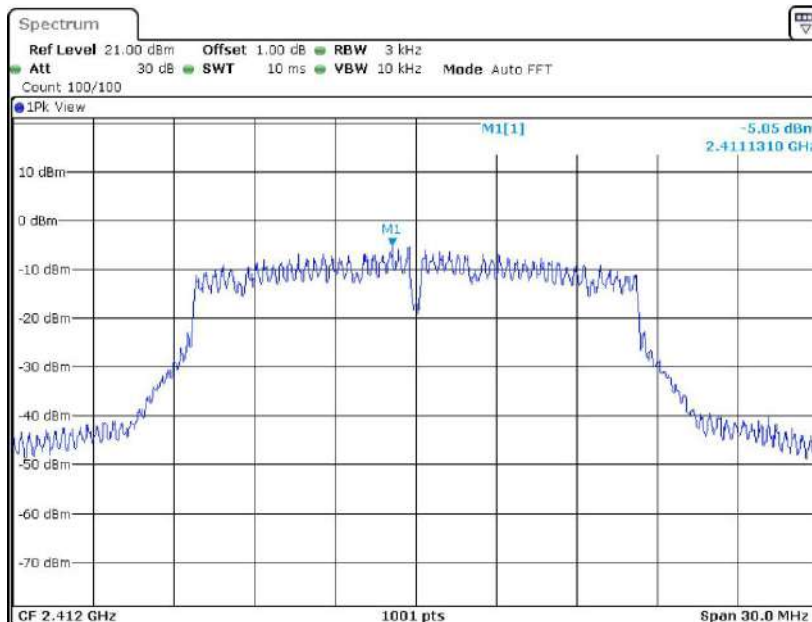


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Date: 6 MAY 2021 06:59:52

11G-CDD\_Ant1\_2412



Date: 6 MAY 2021 05:19:25

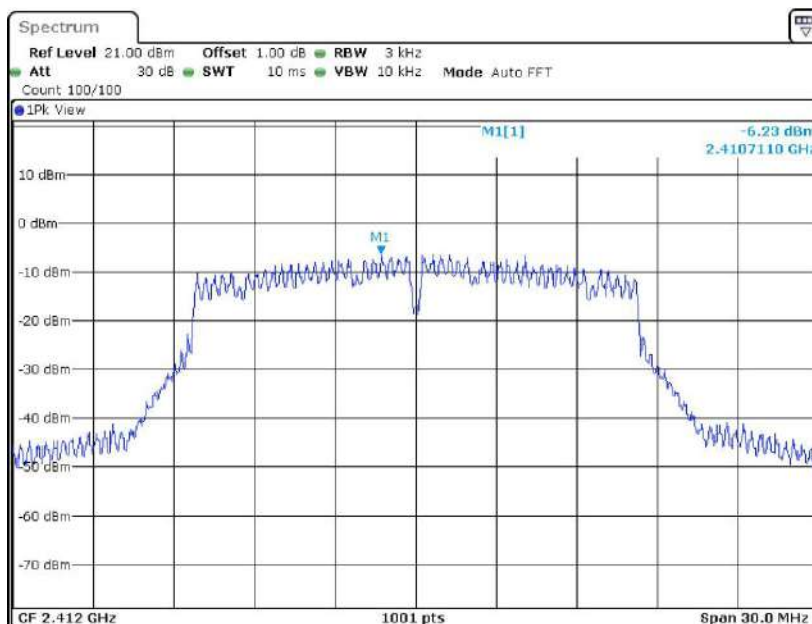


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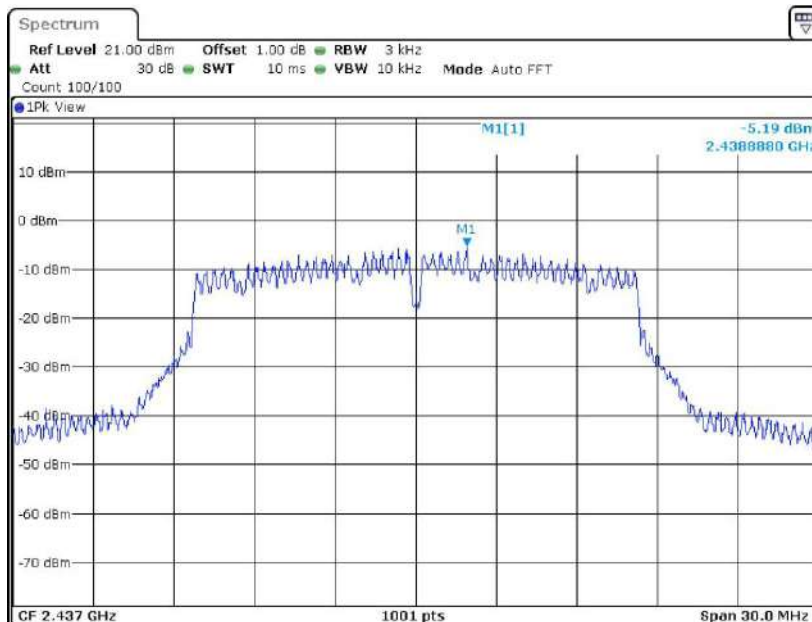


11G-CDD\_Ant2\_2412



Date: 6 MAY 2021 07:01:38

11G-CDD\_Ant1\_2437



Date: 6 MAY 2021 05:21:23



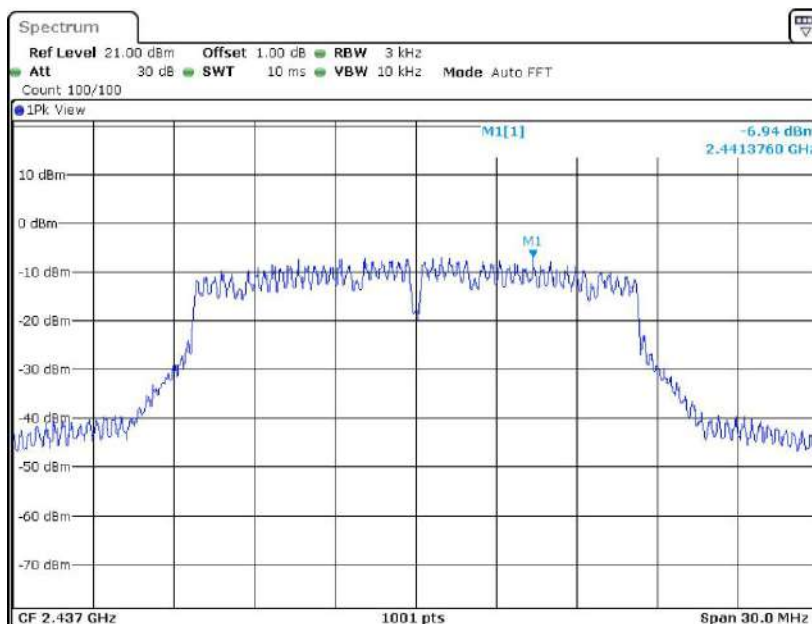
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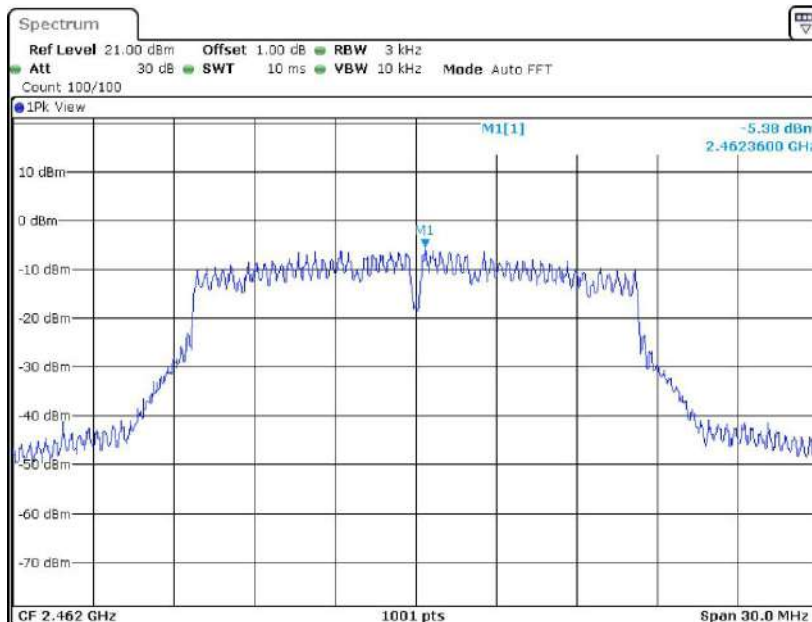


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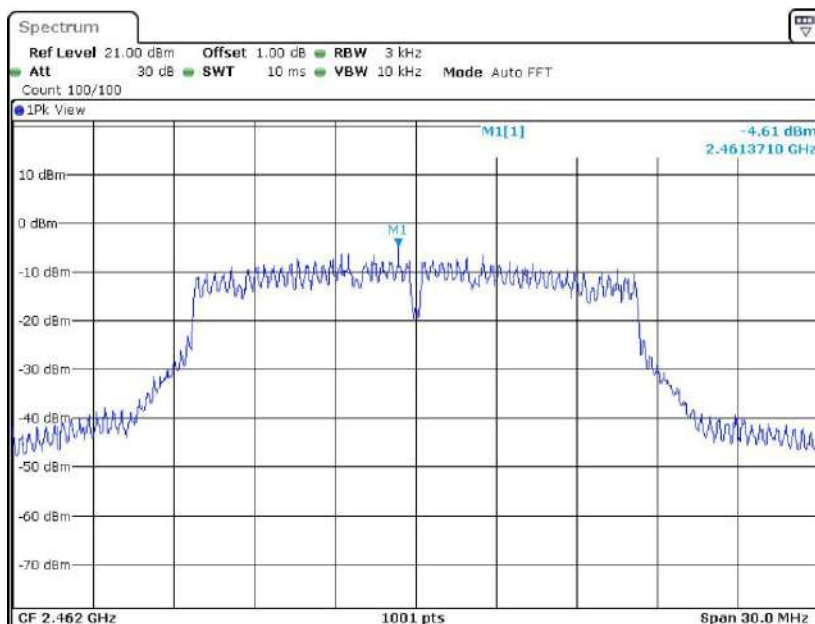
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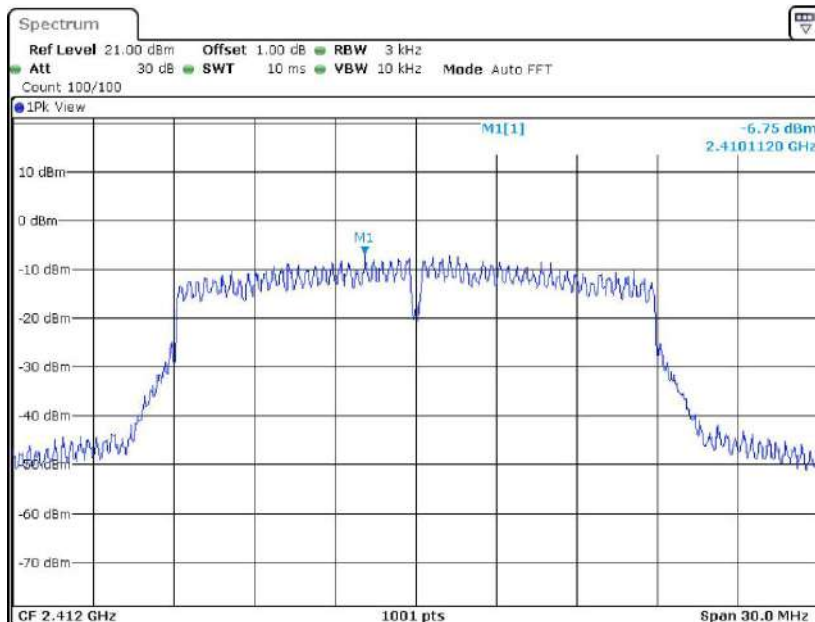


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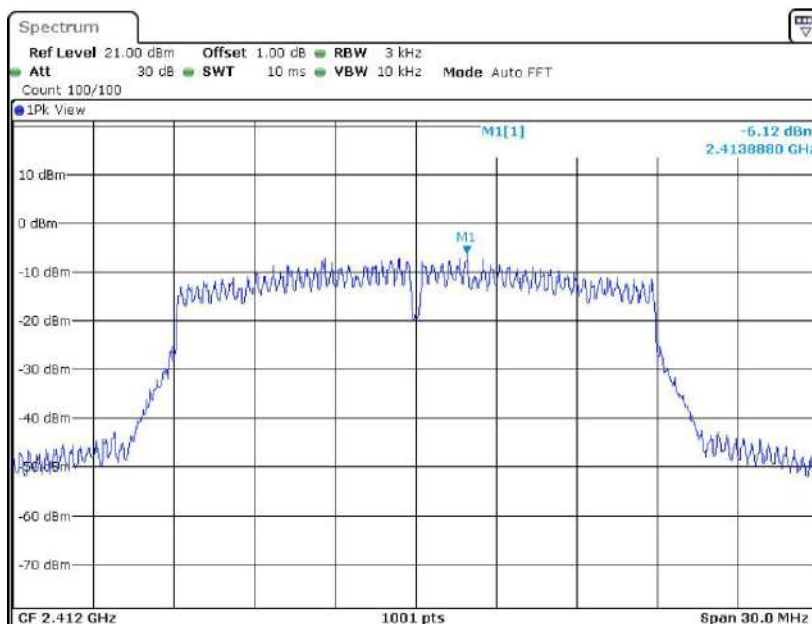
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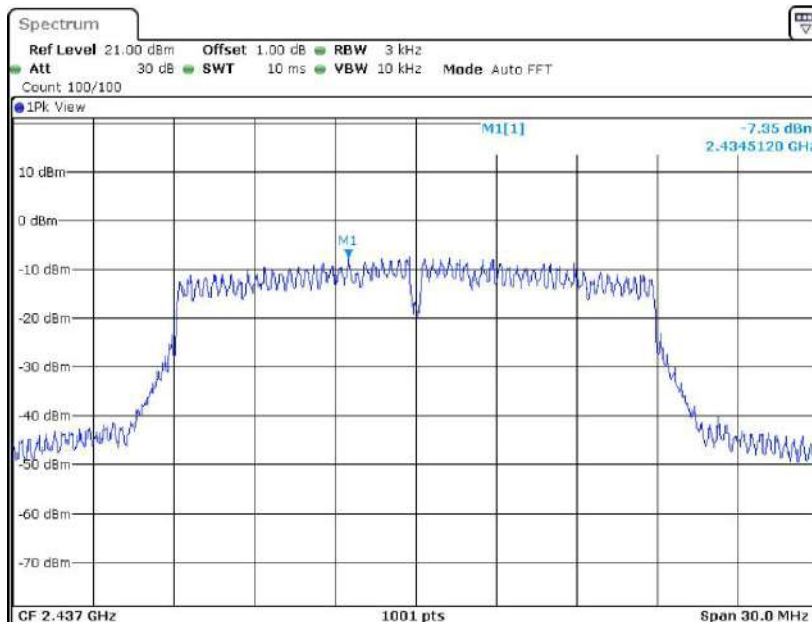


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Date: 6 MAY 2021 07:06:38

11N20MIMO\_Ant1\_2437



Date: 6 MAY 2021 05:26:14



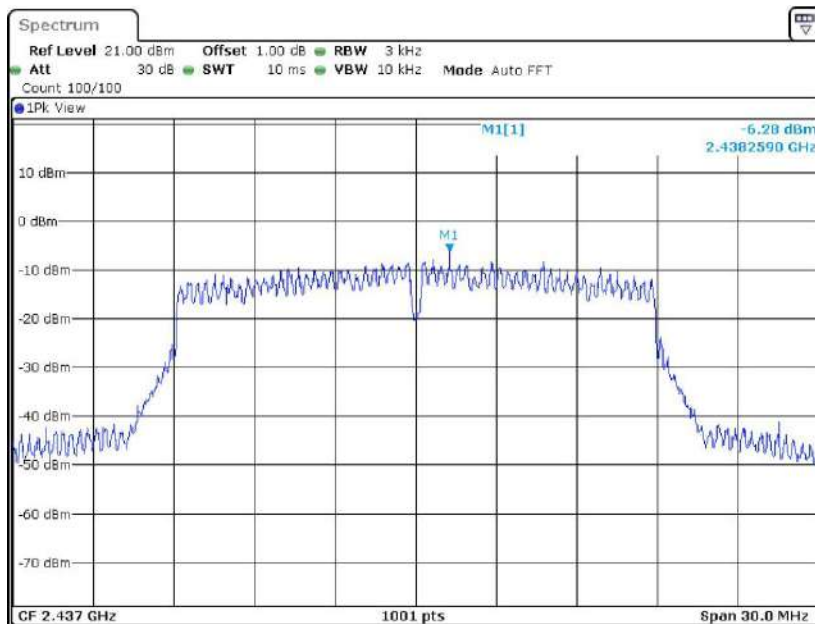
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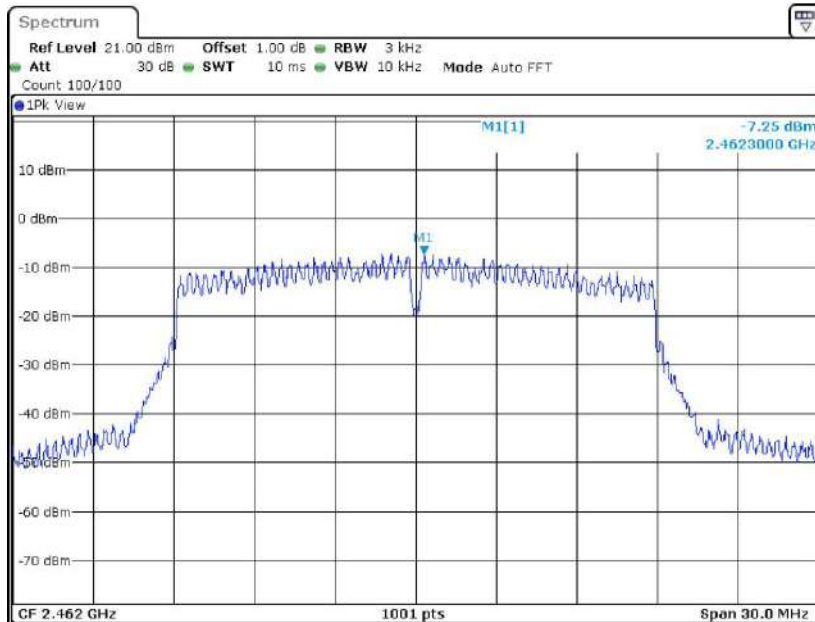


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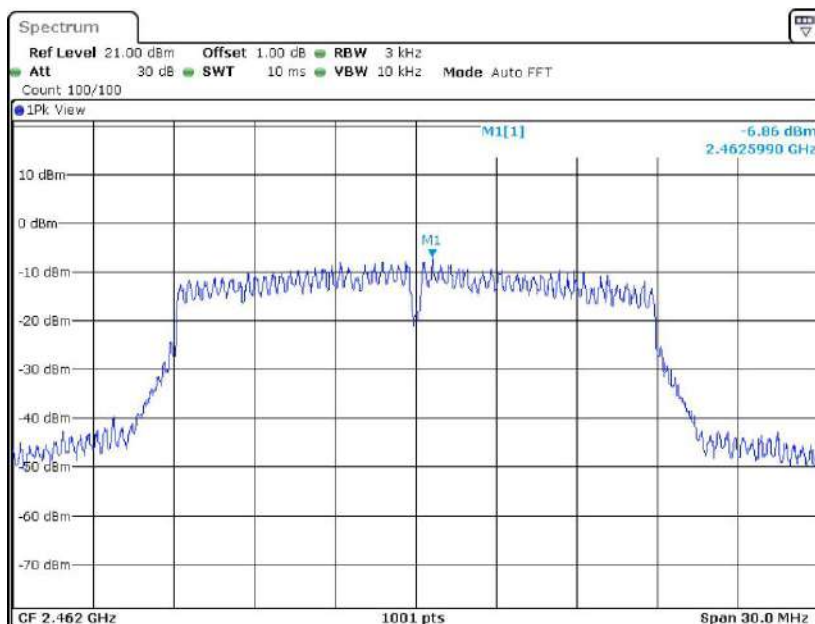
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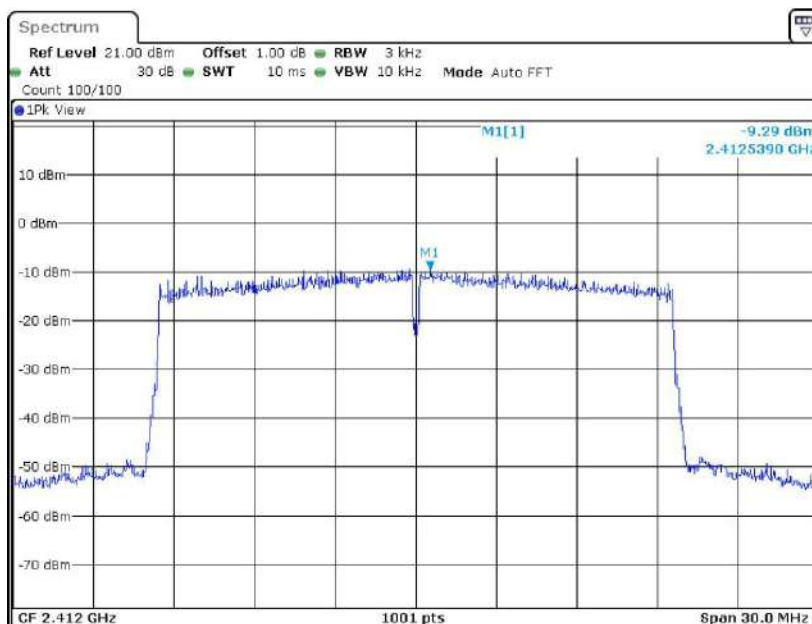
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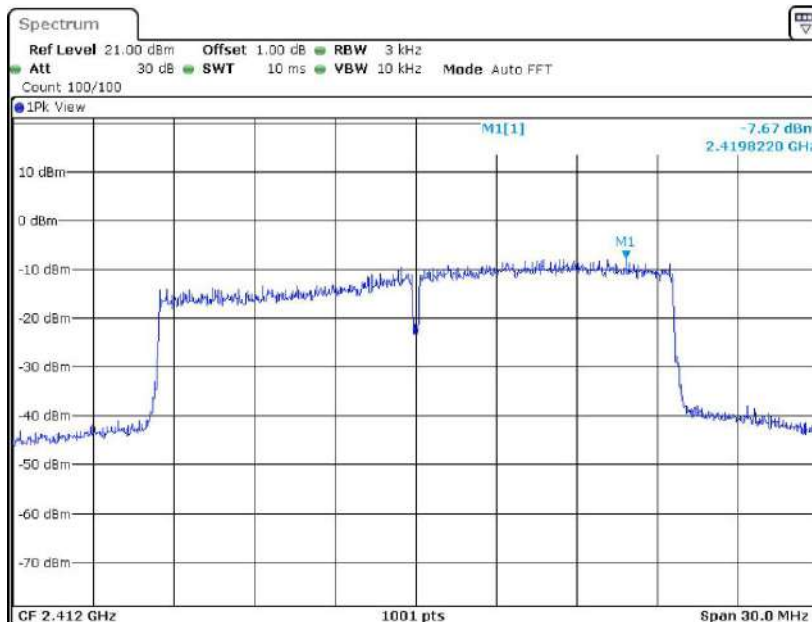


11AX20SISO\_Ant1\_2412



Date: 6 MAY 2021 07:40:36

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Date: 6 MAY 2021 07:53:46



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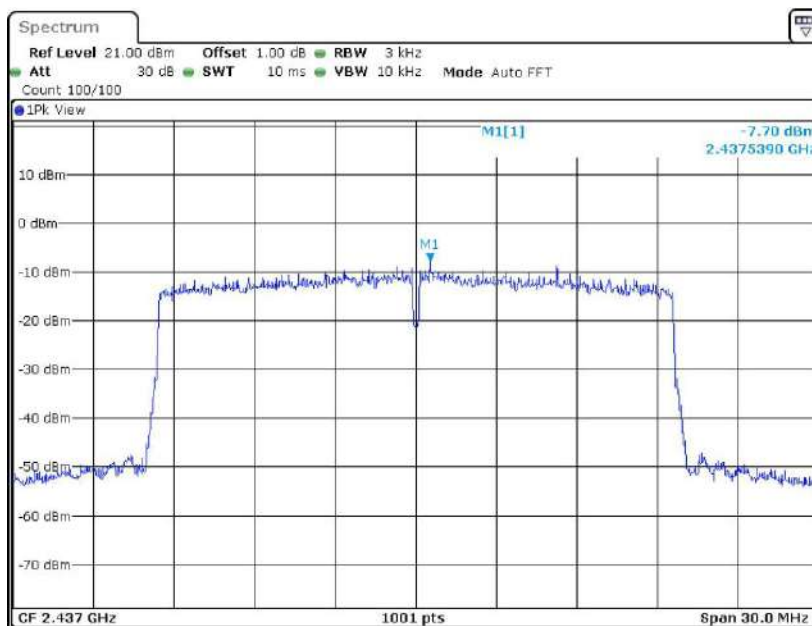
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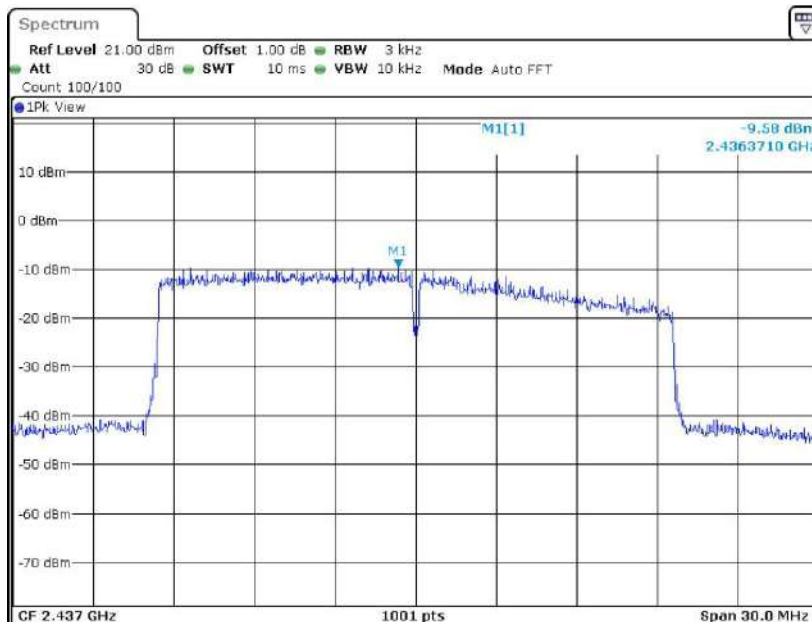


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Date: 6 MAY 2021 07:55:34



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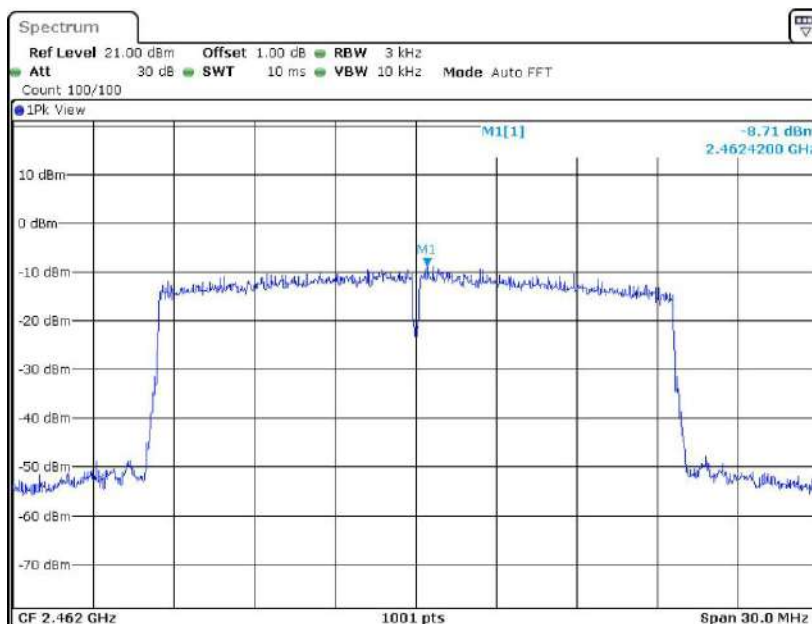
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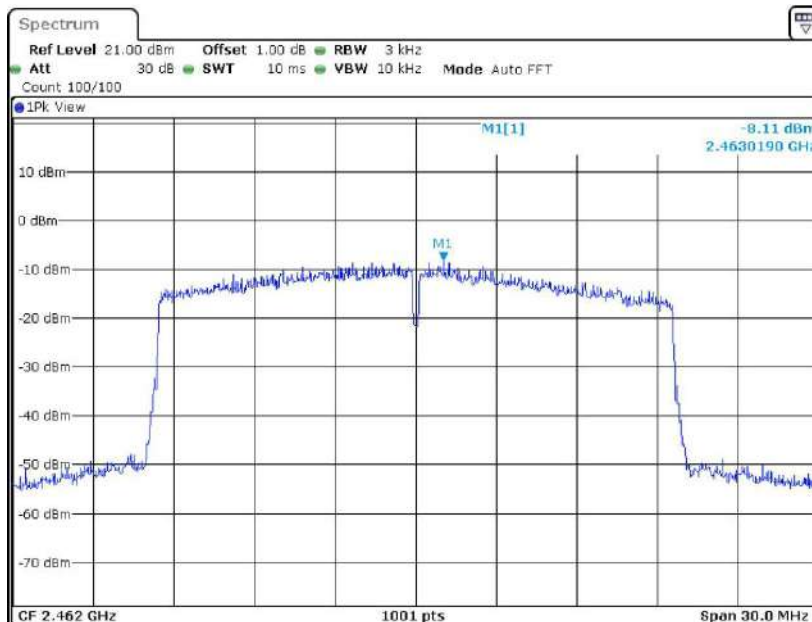


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Date: 6 MAY 2021 07:57:14



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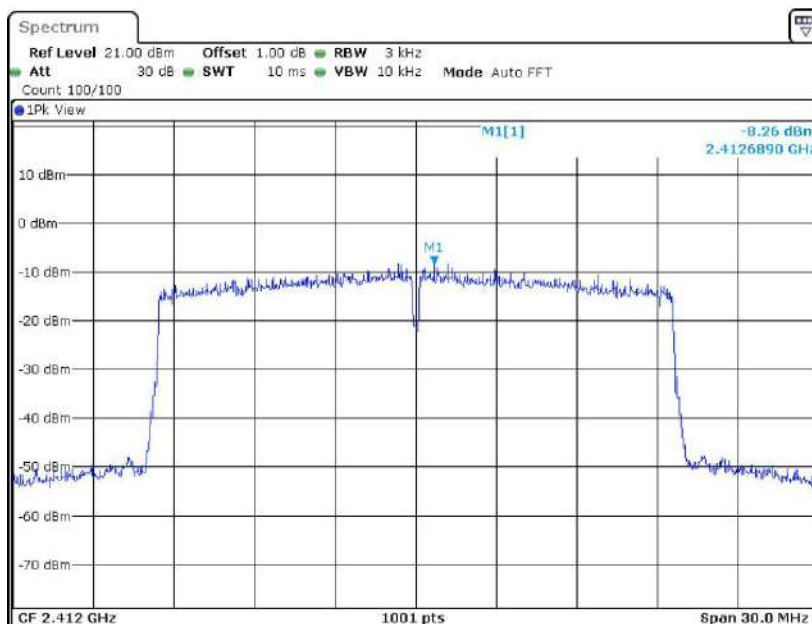
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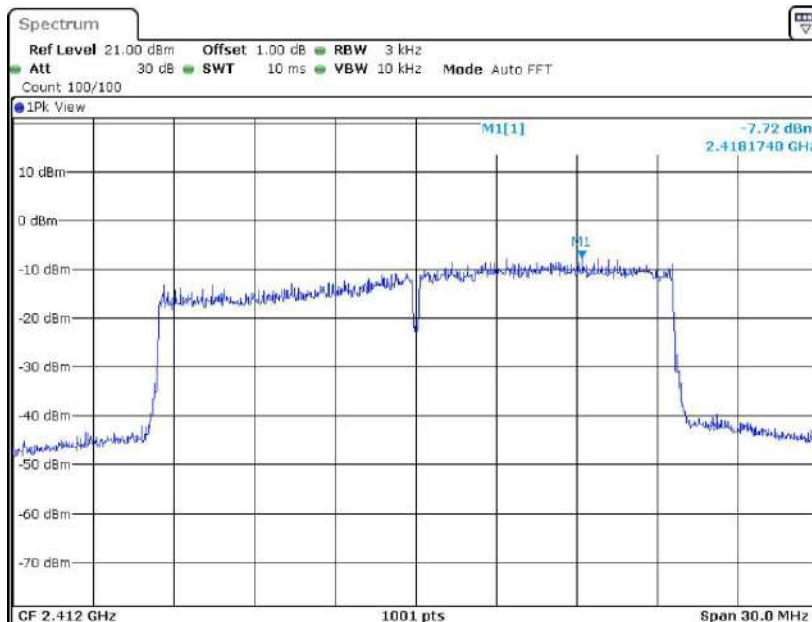


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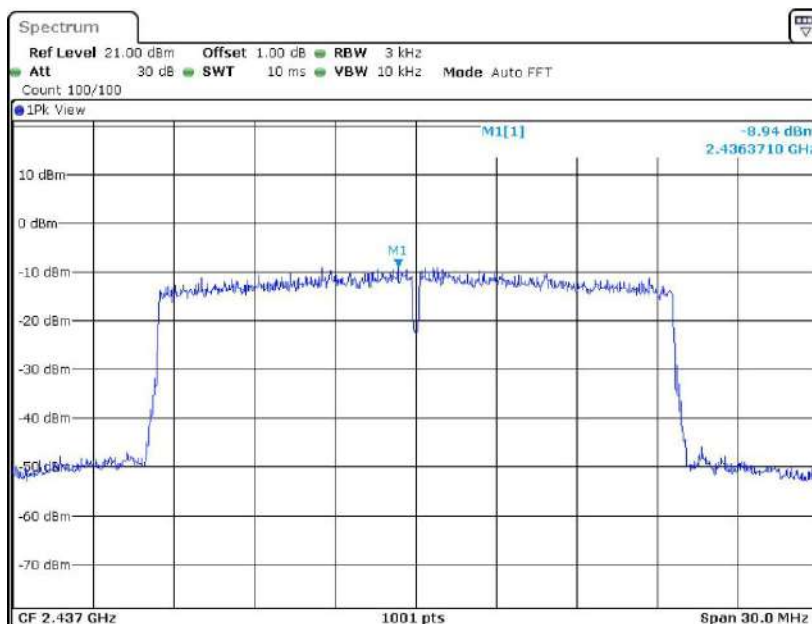
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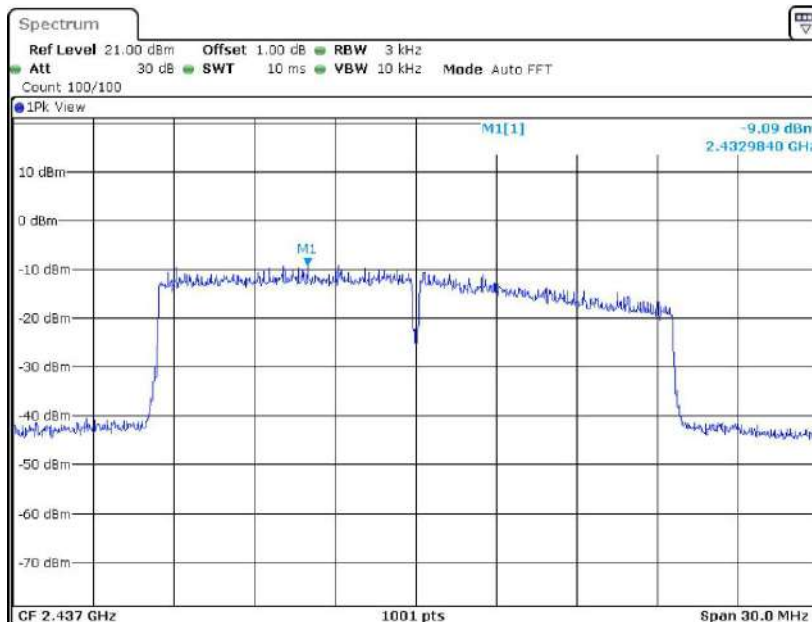


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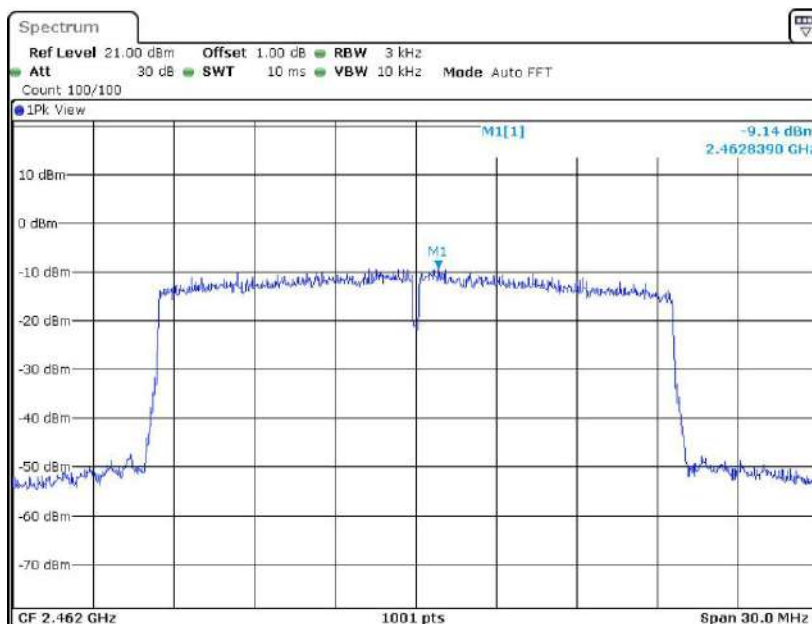
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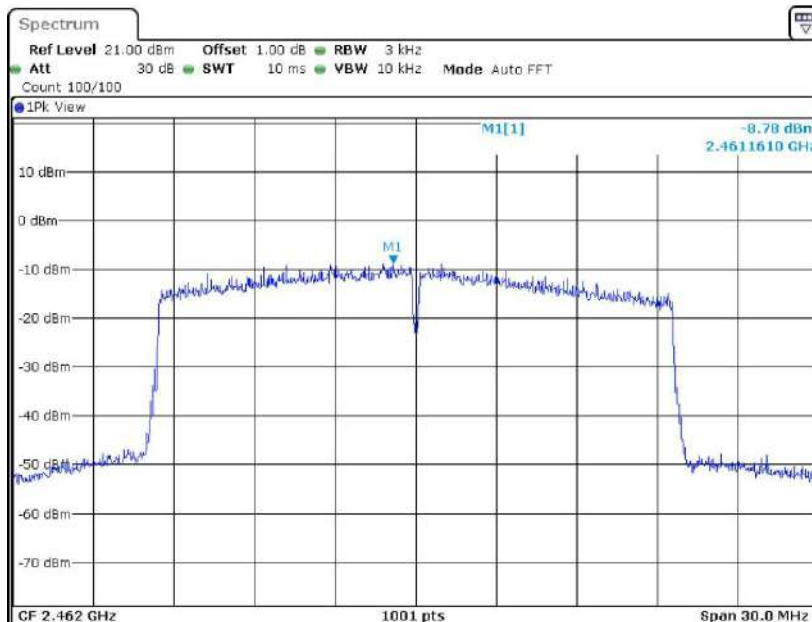


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## Band edge measurements

### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	10.42	-39.71	<=-9.58	PASS
	Ant2	Low	2412	10.38	-39.69	<=-9.62	PASS
	Ant1	High	2462	10.83	-55.13	<=-9.17	PASS
	Ant2	High	2462	9.89	-53.19	<=-10.11	PASS
11G	Ant1	Low	2412	6.77	-26.43	<=-13.23	PASS
	Ant2	Low	2412	6.98	-27.77	<=-13.02	PASS
	Ant1	High	2462	7.10	-39.17	<=-12.9	PASS
	Ant2	High	2462	7.49	-38.45	<=-12.51	PASS
11N20SISO	Ant1	Low	2412	6.05	-28.71	<=-13.95	PASS
	Ant2	Low	2412	5.94	-30.56	<=-14.06	PASS
	Ant1	High	2462	6.30	-39.2	<=-13.7	PASS
	Ant2	High	2462	6.67	-37.43	<=-13.33	PASS
11B-CDD	Ant1	Low	2412	10.77	-38.59	<=-9.23	PASS
	Ant2	Low	2412	10.22	-40.01	<=-9.78	PASS
	Ant1	High	2462	10.40	-56.46	<=-9.6	PASS
	Ant2	High	2462	9.74	-53.18	<=-10.26	PASS
11G-CDD	Ant1	Low	2412	7.22	-25.32	<=-12.78	PASS
	Ant2	Low	2412	6.46	-27.12	<=-13.54	PASS
	Ant1	High	2462	7.18	-39.85	<=-12.82	PASS
	Ant2	High	2462	6.42	-43.47	<=-13.58	PASS
11N20MIMO	Ant1	Low	2412	6.04	-28.26	<=-13.96	PASS
	Ant2	Low	2412	5.92	-27.84	<=-14.08	PASS
	Ant1	High	2462	6.29	-41.02	<=-13.71	PASS
	Ant2	High	2462	5.65	-42.66	<=-14.35	PASS





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TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11AX20SISO	Ant1	Low	2412	4.99	-31.11	<=-15.01	PASS
	Ant2	Low	2412	6.09	-27.16	<=-13.91	PASS
	Ant1	High	2462	5.00	-39.92	<=-15	PASS
	Ant2	High	2462	5.48	-45.07	<=-14.52	PASS
11AX20MIMO	Ant1	Low	2412	4.87	-33.28	<=-15.13	PASS
	Ant2	Low	2412	6.30	-29.75	<=-13.7	PASS
	Ant1	High	2462	4.99	-39.12	<=-15.01	PASS
	Ant2	High	2462	5.12	-46.12	<=-14.88	PASS



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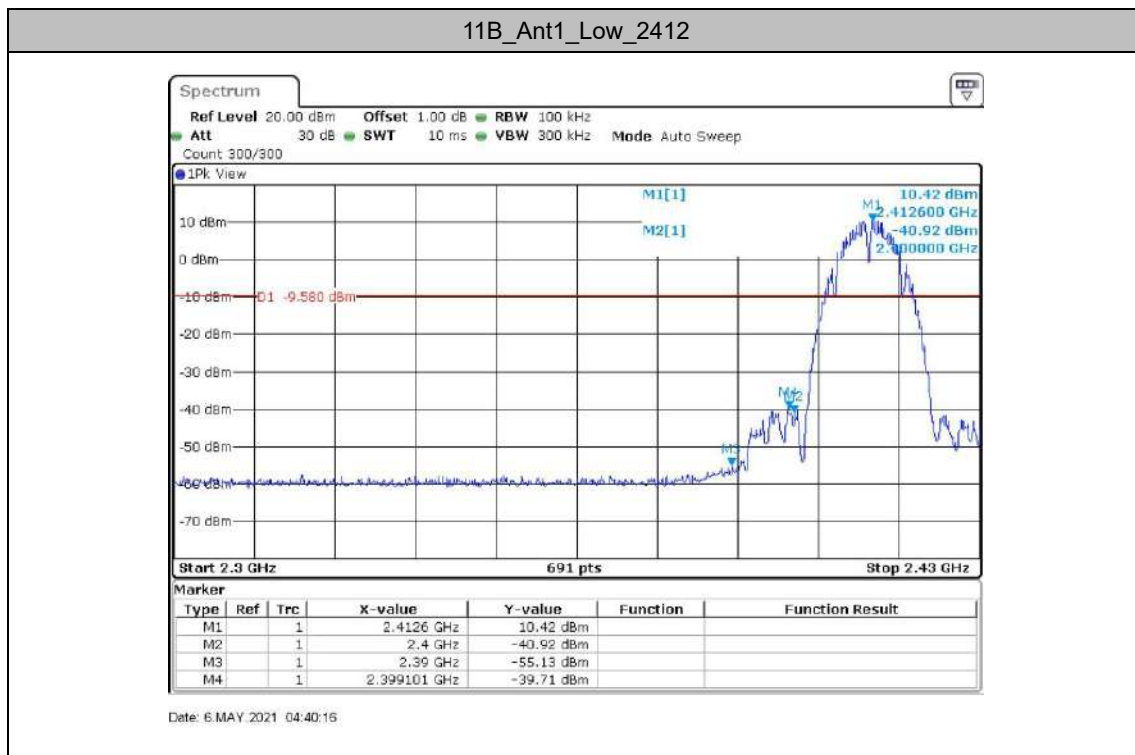
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## Test Graphs



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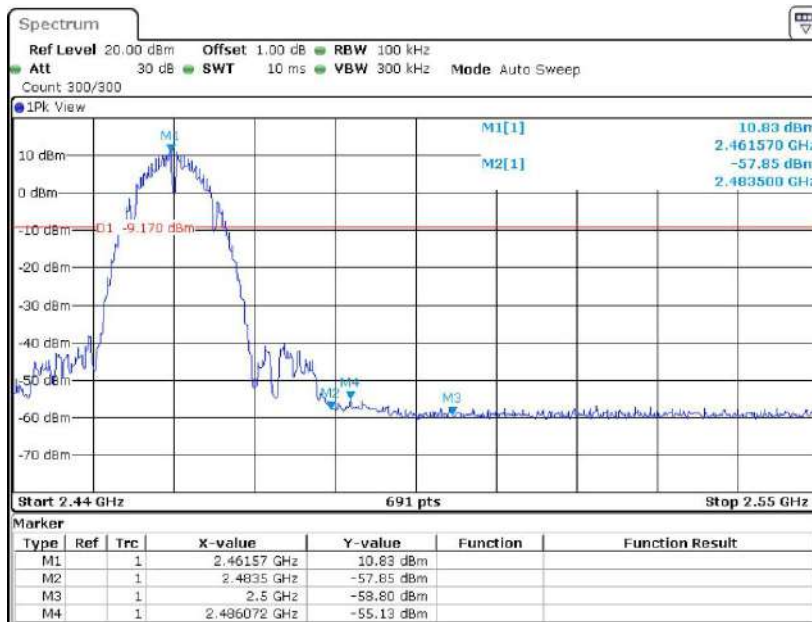


11B\_Ant2\_Low\_2412



Date: 6 MAY 2021 06:33:04

11B\_Ant1\_High\_2462



Date: 6 MAY 2021 04:43:28



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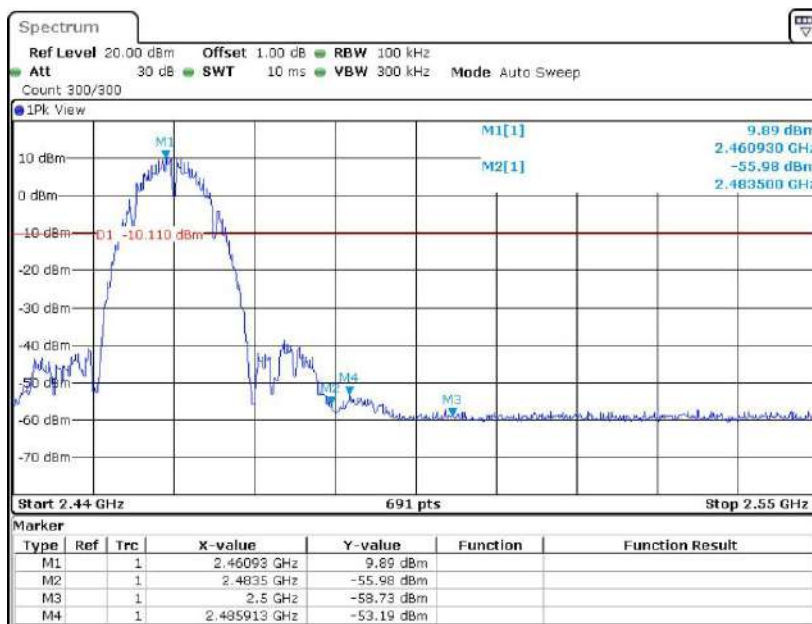
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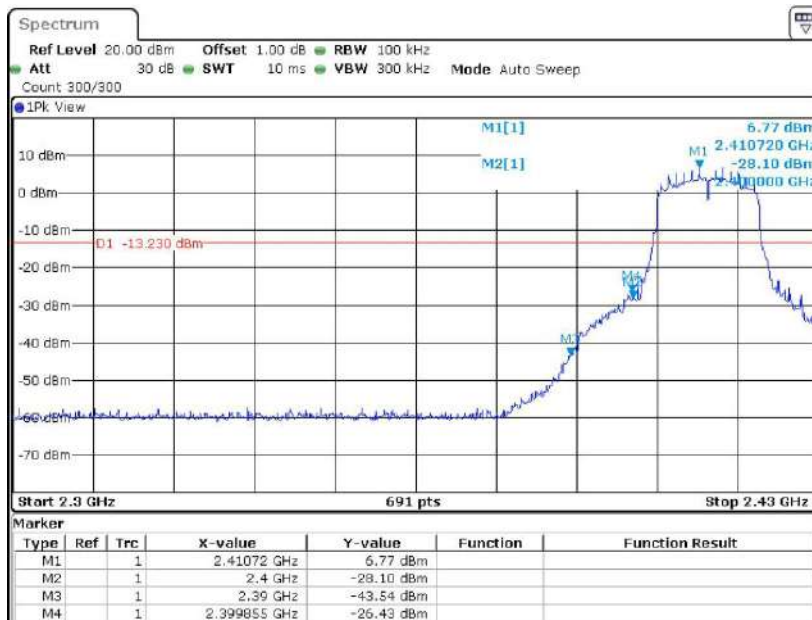


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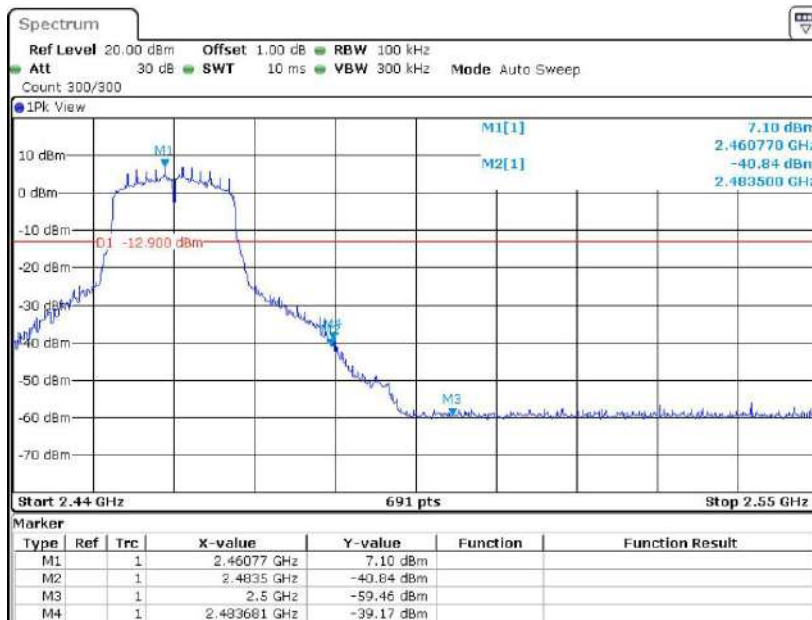


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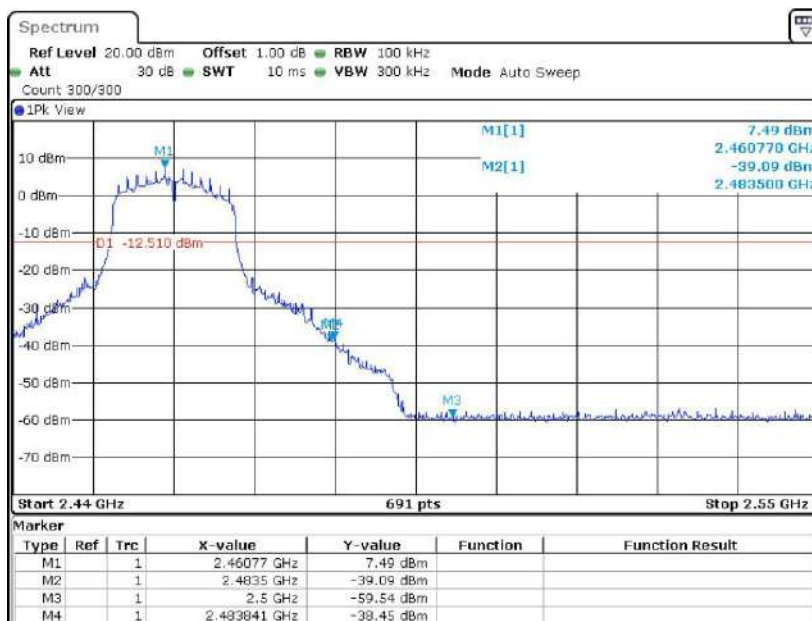
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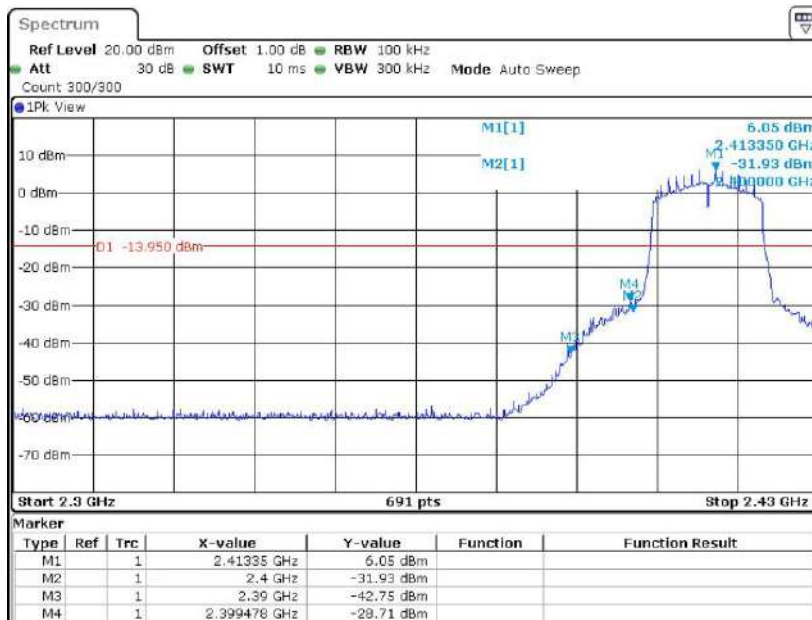


11G\_Ant2\_High\_2462



Date: 6 MAY 2021 06:41:24

11N20SISO\_Ant1\_Low\_2412



Date: 6 MAY 2021 04:54:51



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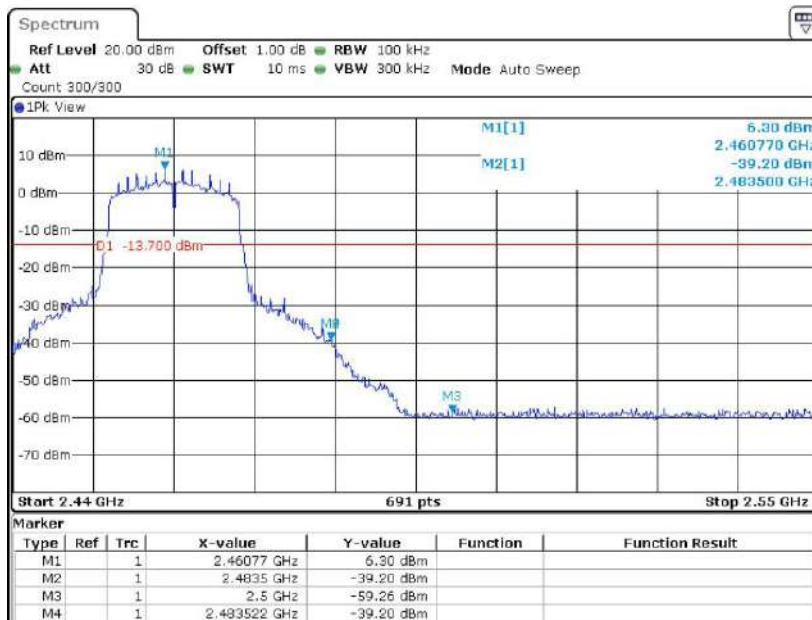


11N20SISO\_Ant2\_Low\_2412



Date: 6 MAY 2021 06:43:13

11N20SISO\_Ant1\_High\_2462



Date: 6 MAY 2021 04:58:00



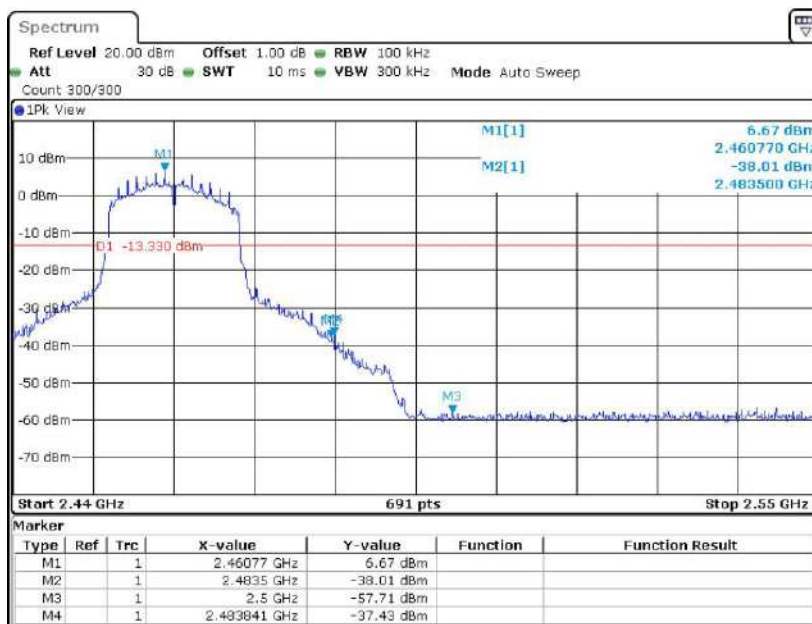
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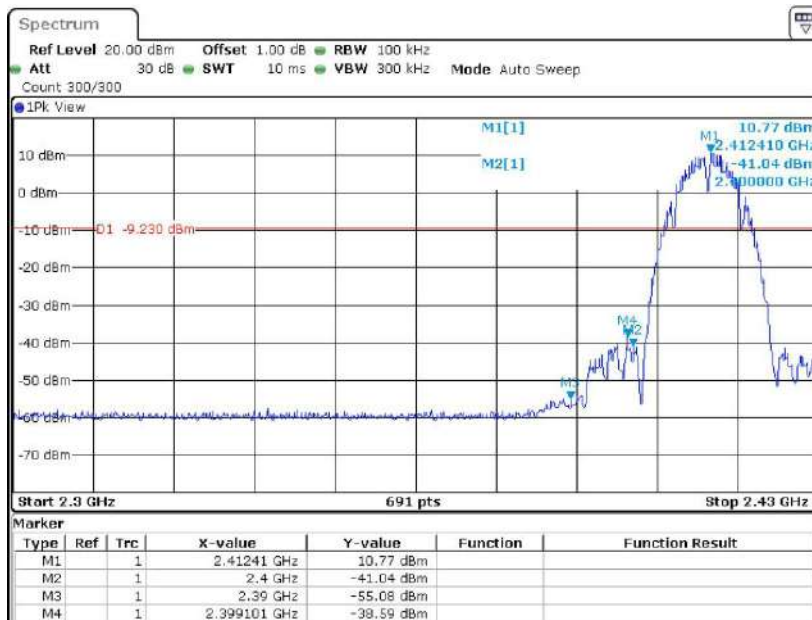


11N20SISO\_Ant2\_High\_2462



Date: 6 MAY 2021 06:46:34

11B-CDD\_Ant1\_Low\_2412



Date: 6 MAY 2021 05:14:37



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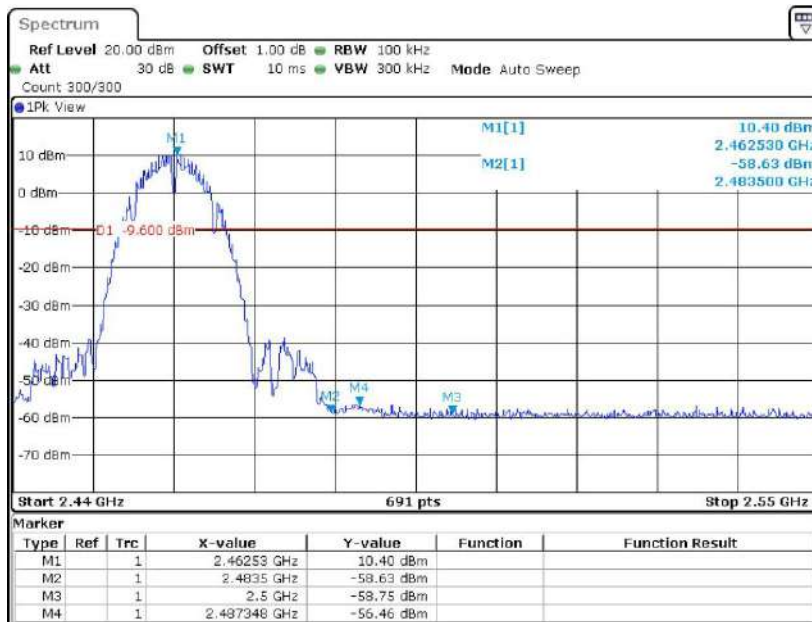


11B-CDD\_Ant2\_Low\_2412



Date: 6 MAY 2021 06:55:18

11B-CDD\_Ant1\_High\_2462



Date: 6 MAY 2021 05:17:47



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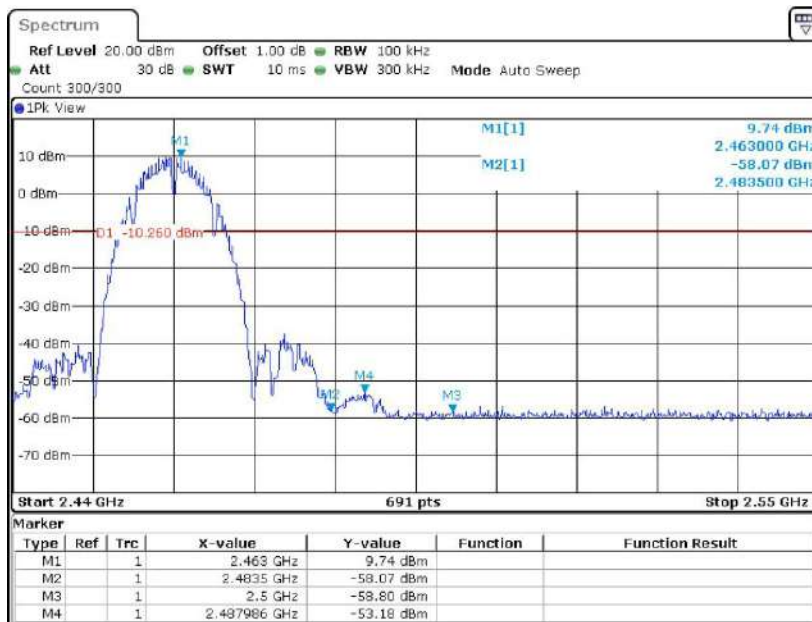
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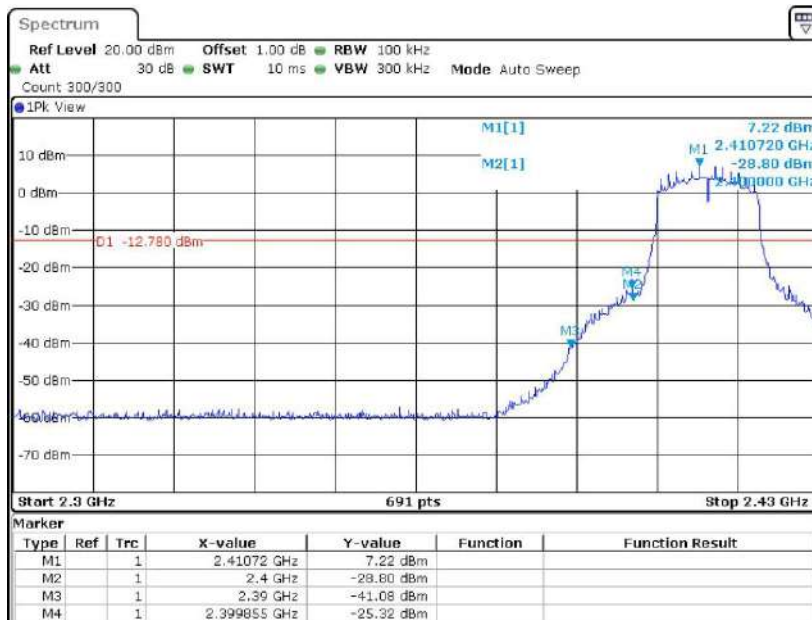


11B-CDD\_Ant2\_High\_2462



Date: 6 MAY 2021 07:00:00

11G-CDD\_Ant1\_Low\_2412



Date: 6 MAY 2021 05:19:33



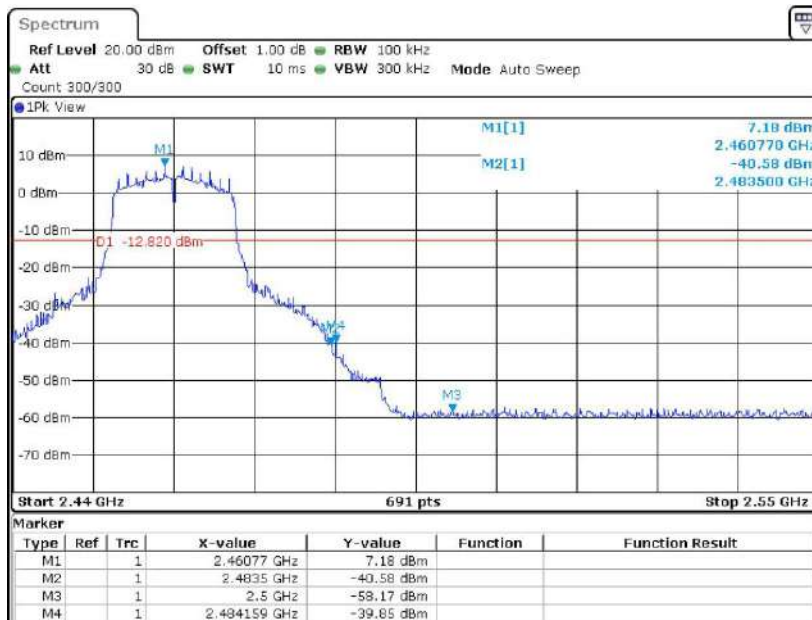


11G-CDD\_Ant2\_Low\_2412



Date: 6 MAY 2021 07:01:45

11G-CDD\_Ant1\_High\_2462



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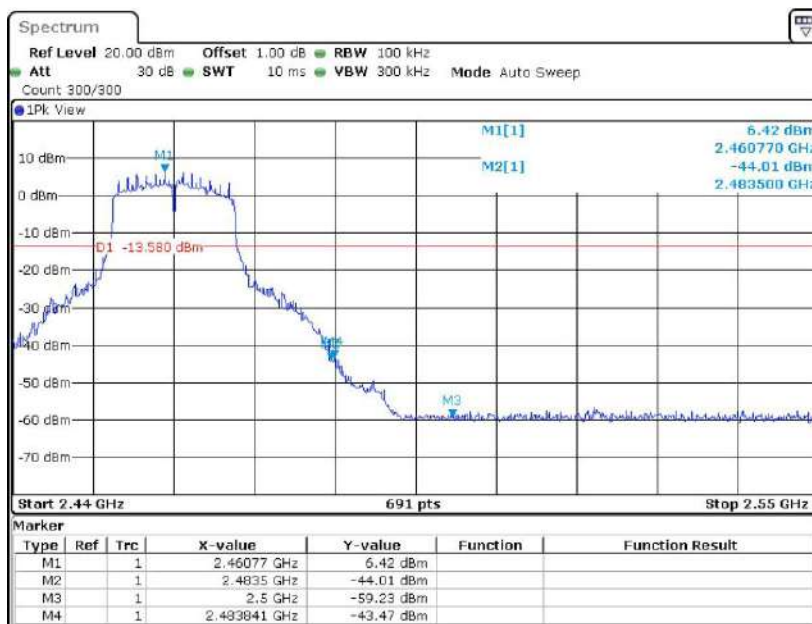
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Date: 6 MAY 2021 05:24:45



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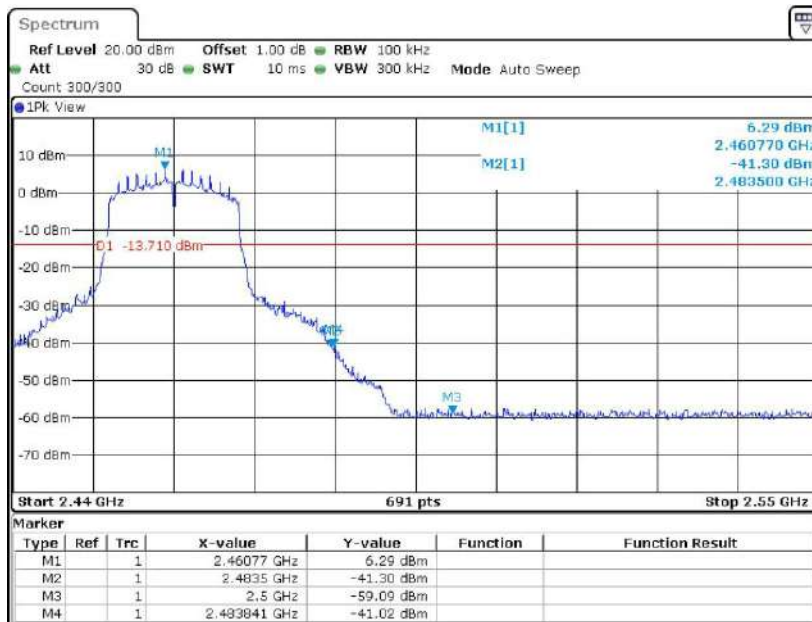


11N20MIMO\_Ant2\_Low\_2412



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11N20MIMO\_Ant1\_High\_2462



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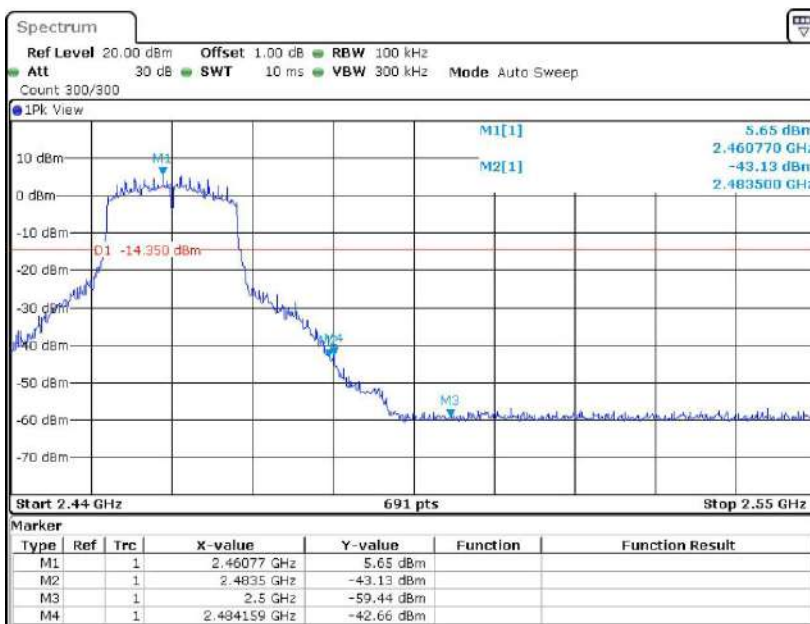
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11N20MIMO\_Ant2\_High\_2462



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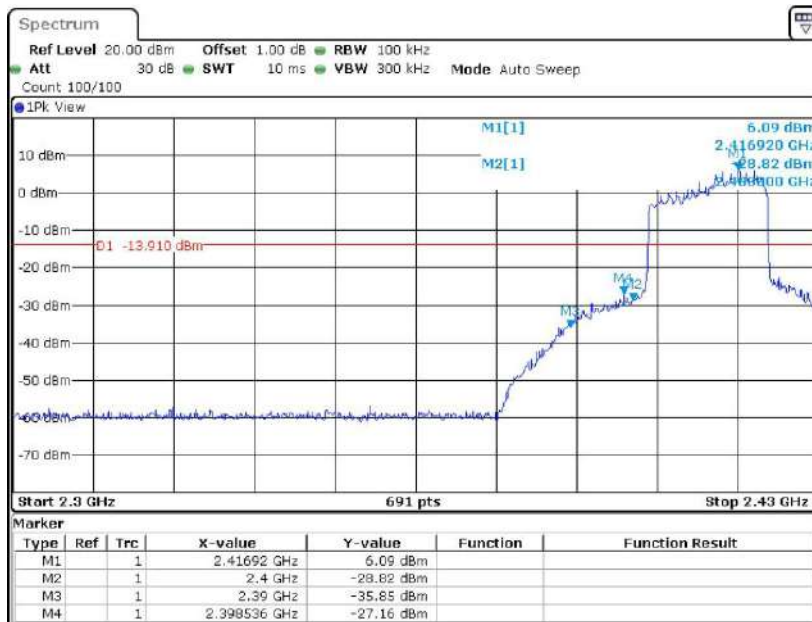


11AX20SISO\_Ant1\_Low\_2412



Date: 6 MAY 2021 07:40:44

11AX20SISO\_Ant2\_Low\_2412



Date: 6 MAY 2021 07:53:54



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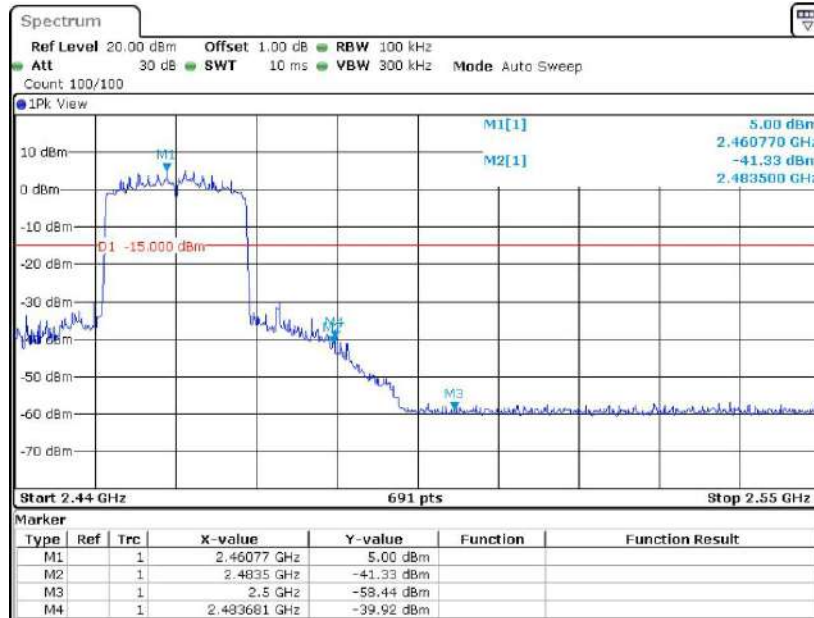
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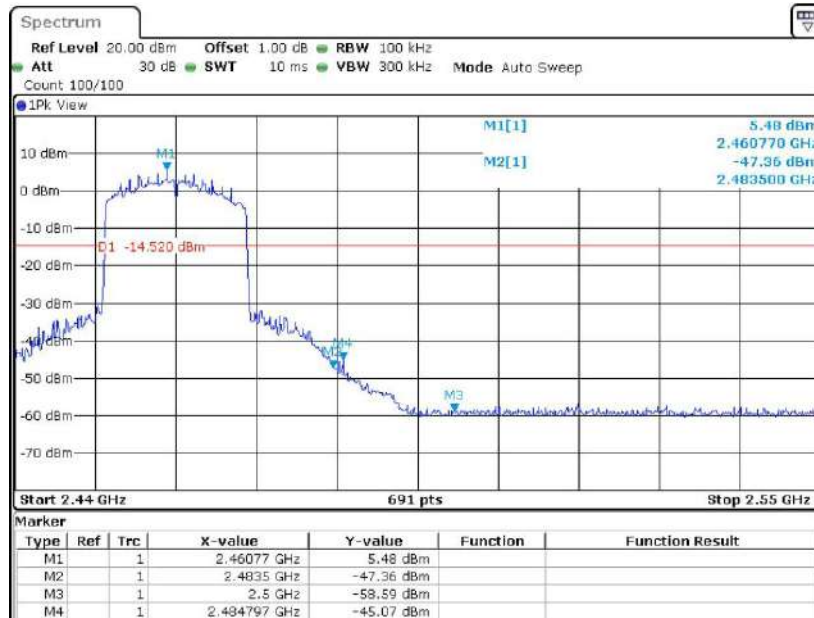


11AX20SISO\_Ant1\_High\_2462



Date: 6 MAY 2021 07:44:40

11AX20SISO\_Ant2\_High\_2462



Date: 6 MAY 2021 07:57:23



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11AX20MIMO\_Ant1\_Low\_2412



Date: 6 MAY 2021 07:46:22

11AX20MIMO\_Ant2\_Low\_2412



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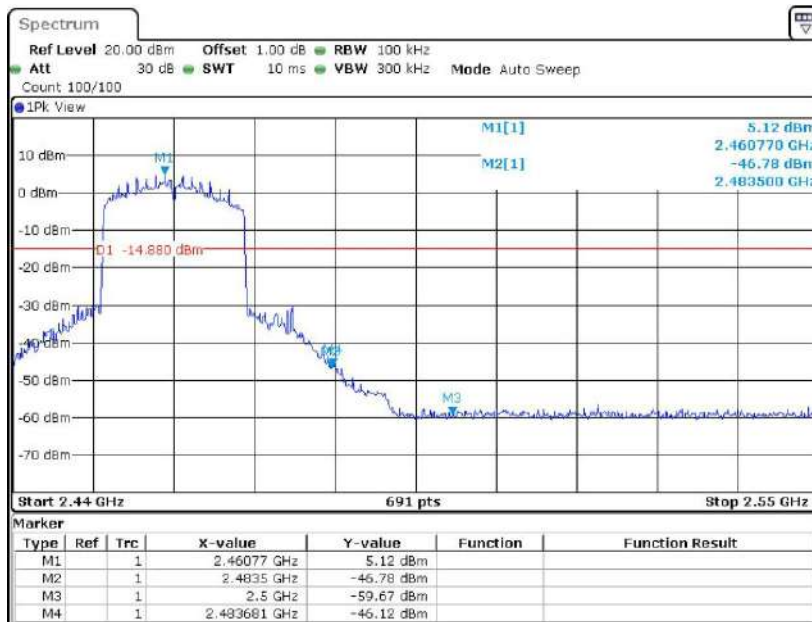


11AX20MIMO\_Ant1\_High\_2462



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11AX20MIMO\_Ant2\_High\_2462



Date: 6 MAY 2021 08:02:45



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## Conducted Spurious Emission

### Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	10.71	10.71	---	PASS
			30~1000	10.71	-45.69	<=-9.29	PASS
			1000~26500	10.71	-30.71	<=-9.29	PASS
	Ant2	2412	Reference	10.39	10.39	---	PASS
			30~1000	10.39	-45.03	<=-9.61	PASS
			1000~26500	10.39	-30.57	<=-9.61	PASS
	Ant1	2437	Reference	10.33	10.33	---	PASS
			30~1000	10.33	-45.36	<=-9.67	PASS
			1000~26500	10.33	-31.03	<=-9.67	PASS
	Ant2	2437	Reference	9.46	9.46	---	PASS
			30~1000	9.46	-45.54	<=-10.54	PASS
			1000~26500	9.46	-31.38	<=-10.54	PASS
	Ant1	2462	Reference	10.34	10.34	---	PASS
			30~1000	10.34	-45.03	<=-9.66	PASS
			1000~26500	10.34	-31.08	<=-9.66	PASS
	Ant2	2462	Reference	10.66	10.66	---	PASS
			30~1000	10.66	-45.59	<=-9.34	PASS
			1000~26500	10.66	-31.16	<=-9.34	PASS
11G	Ant1	2412	Reference	7.17	7.17	---	PASS
			30~1000	7.17	-44.43	<=-12.83	PASS
			1000~26500	7.17	-30.19	<=-12.83	PASS
	Ant2	2412	Reference	7.06	7.06	---	PASS
			30~1000	7.06	-45.63	<=-12.94	PASS
			1000~26500	7.06	-30.53	<=-12.94	PASS
	Ant1	2437	Reference	7.01	7.01	---	PASS
			30~1000	7.01	-45.12	<=-12.99	PASS
			1000~26500	7.01	-30.86	<=-12.99	PASS
	Ant2	2437	Reference	6.55	6.55	---	PASS
			30~1000	6.55	-45.28	<=-13.45	PASS
			1000~26500	6.55	-30.97	<=-13.45	PASS



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	Ant1	2462	Reference	7.28	7.28	---	PASS
			30~1000	7.28	-45.44	<=-12.72	PASS
			1000~26500	7.28	-30.83	<=-12.72	PASS
	Ant2	2462	Reference	7.53	7.53	---	PASS
			30~1000	7.53	-45.88	<=-12.47	PASS
			1000~26500	7.53	-31.03	<=-12.47	PASS
11N20SISO	Ant1	2412	Reference	5.95	5.95	---	PASS
			30~1000	5.95	-45.4	<=-14.05	PASS
			1000~26500	5.95	-30.7	<=-14.05	PASS
	Ant2	2412	Reference	6.14	6.14	---	PASS
			30~1000	6.14	-45.93	<=-13.86	PASS
			1000~26500	6.14	-30.88	<=-13.86	PASS
	Ant1	2437	Reference	6.31	6.31	---	PASS
			30~1000	6.31	-45.03	<=-13.69	PASS
			1000~26500	6.31	-30.91	<=-13.69	PASS
	Ant2	2437	Reference	5.66	5.66	---	PASS
			30~1000	5.66	-46.08	<=-14.34	PASS
			1000~26500	5.66	-30.3	<=-14.34	PASS
	Ant1	2462	Reference	6.19	6.19	---	PASS
			30~1000	6.19	-46.25	<=-13.81	PASS
			1000~26500	6.19	-30.8	<=-13.81	PASS
	Ant2	2462	Reference	6.70	6.70	---	PASS
			30~1000	6.70	-45.28	<=-13.3	PASS
			1000~26500	6.70	-31.14	<=-13.3	PASS
11B-CDD	Ant1	2412	Reference	10.77	10.77	---	PASS
			30~1000	10.77	-45.18	<=-9.23	PASS
			1000~26500	10.77	-30.73	<=-9.23	PASS
	Ant2	2412	Reference	10.46	10.46	---	PASS
			30~1000	10.46	-45.08	<=-9.54	PASS
			1000~26500	10.46	-29.99	<=-9.54	PASS
	Ant1	2437	Reference	10.50	10.50	---	PASS
			30~1000	10.50	-45.64	<=-9.5	PASS
			1000~26500	10.50	-30.46	<=-9.5	PASS
	Ant2	2437	Reference	9.65	9.65	---	PASS
			30~1000	9.65	-44.64	<=-10.35	PASS



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	Ant1	2462	1000~26500	9.65	-30.71	<=-10.35	PASS
			Reference	10.66	10.66	---	PASS
			30~1000	10.66	-44.39	<=-9.34	PASS
	Ant2	2462	1000~26500	10.66	-29.64	<=-9.34	PASS
			Reference	9.77	9.77	---	PASS
			30~1000	9.77	-45.62	<=-10.23	PASS
	Ant1	2412	1000~26500	9.77	-30.23	<=-10.23	PASS
			Reference	7.25	7.25	---	PASS
			30~1000	7.25	-45.25	<=-12.75	PASS
11G-CDD	Ant2	2412	1000~26500	7.25	-31.2	<=-12.75	PASS
			Reference	6.85	6.85	---	PASS
			30~1000	6.85	-46.11	<=-13.15	PASS
	Ant1	2437	1000~26500	6.85	-30.78	<=-13.15	PASS
			Reference	6.99	6.99	---	PASS
			30~1000	6.99	-45.48	<=-13.01	PASS
	Ant2	2437	1000~26500	6.99	-30.68	<=-13.01	PASS
			Reference	6.21	6.21	---	PASS
			30~1000	6.21	-45.28	<=-13.79	PASS
	Ant1	2462	1000~26500	6.21	-30.01	<=-13.79	PASS
			Reference	7.14	7.14	---	PASS
			30~1000	7.14	-45.7	<=-12.86	PASS
	Ant2	2462	1000~26500	7.14	-31.34	<=-12.86	PASS
			Reference	6.54	6.54	---	PASS
			30~1000	6.54	-45.34	<=-13.46	PASS
	Ant1	2412	1000~26500	6.54	-31	<=-13.46	PASS
			Reference	6.25	6.25	---	PASS
			30~1000	6.25	-44.98	<=-13.75	PASS
11N20MIMO	Ant2	2412	1000~26500	6.25	-30.71	<=-13.75	PASS
			Reference	6.15	6.15	---	PASS
			30~1000	6.15	-45.78	<=-13.85	PASS
	Ant1	2437	1000~26500	6.15	-30.54	<=-13.85	PASS
			Reference	6.00	6.00	---	PASS
			30~1000	6.00	-45.52	<=-14	PASS
	Ant2	2437	1000~26500	6.00	-30.54	<=-14	PASS
			Reference	5.38	5.38	---	PASS
			30~1000	5.38	-30.54	<=-14	PASS



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			30~1000	5.38	-45.33	<=-14.62	PASS
			1000~26500	5.38	-31.05	<=-14.62	PASS
	Ant1	2462	Reference	6.38	6.38	---	PASS
			30~1000	6.38	-44.63	<=-13.62	PASS
			1000~26500	6.38	-31.22	<=-13.62	PASS
	Ant2	2462	Reference	5.71	5.71	---	PASS
			30~1000	5.71	-45.79	<=-14.29	PASS
			1000~26500	5.71	-30.71	<=-14.29	PASS



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TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11AX20SISO	Ant1	2412	Reference	5.08	5.08	---	PASS
			30~1000	5.08	-45.63	<=-14.92	PASS
			1000~26500	5.08	-31.26	<=-14.92	PASS
	Ant2	2412	Reference	6.24	6.24	---	PASS
			30~1000	6.24	-45.53	<=-13.76	PASS
			1000~26500	6.24	-30.31	<=-13.76	PASS
	Ant1	2437	Reference	4.97	4.97	---	PASS
			30~1000	4.97	-45.33	<=-15.03	PASS
			1000~26500	4.97	-30.89	<=-15.03	PASS
	Ant2	2437	Reference	4.87	4.87	---	PASS
			30~1000	4.87	-45.54	<=-15.13	PASS
			1000~26500	4.87	-30.45	<=-15.13	PASS
	Ant1	2462	Reference	5.09	5.09	---	PASS
			30~1000	5.09	-45.17	<=-14.91	PASS
			1000~26500	5.09	-30.86	<=-14.91	PASS
	Ant2	2462	Reference	5.52	5.52	---	PASS
			30~1000	5.52	-45.28	<=-14.48	PASS
			1000~26500	5.52	-31.09	<=-14.48	PASS
11AX20MIMO	Ant1	2412	Reference	5.00	5.00	---	PASS
			30~1000	5.00	-45.42	<=-15	PASS
			1000~26500	5.00	-31.24	<=-15	PASS
	Ant2	2412	Reference	6.48	6.48	---	PASS
			30~1000	6.48	-45	<=-13.52	PASS
			1000~26500	6.48	-30.4	<=-13.52	PASS
	Ant1	2437	Reference	4.87	4.87	---	PASS
			30~1000	4.87	-45.08	<=-15.13	PASS
			1000~26500	4.87	-30.69	<=-15.13	PASS
	Ant2	2437	Reference	4.75	4.75	---	PASS
			30~1000	4.75	-45.37	<=-15.25	PASS
			1000~26500	4.75	-30.43	<=-15.25	PASS
	Ant1	2462	Reference	5.05	5.05	---	PASS
			30~1000	5.05	-45.49	<=-14.95	PASS
			1000~26500	5.05	-31.27	<=-14.95	PASS
	Ant2	2462	Reference	5.13	5.13	---	PASS



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			30~1000	5.13	-45.08	<=-14.87	PASS
			1000~26500	5.13	-31.19	<=-14.87	PASS



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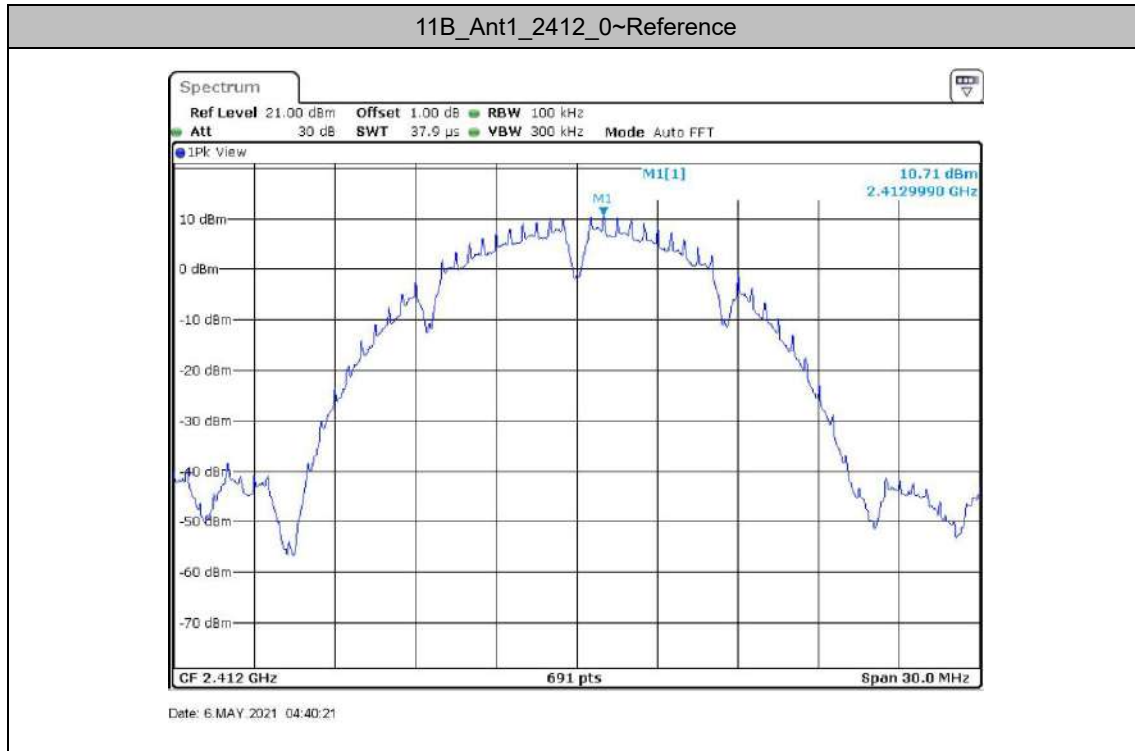
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## Test Graphs



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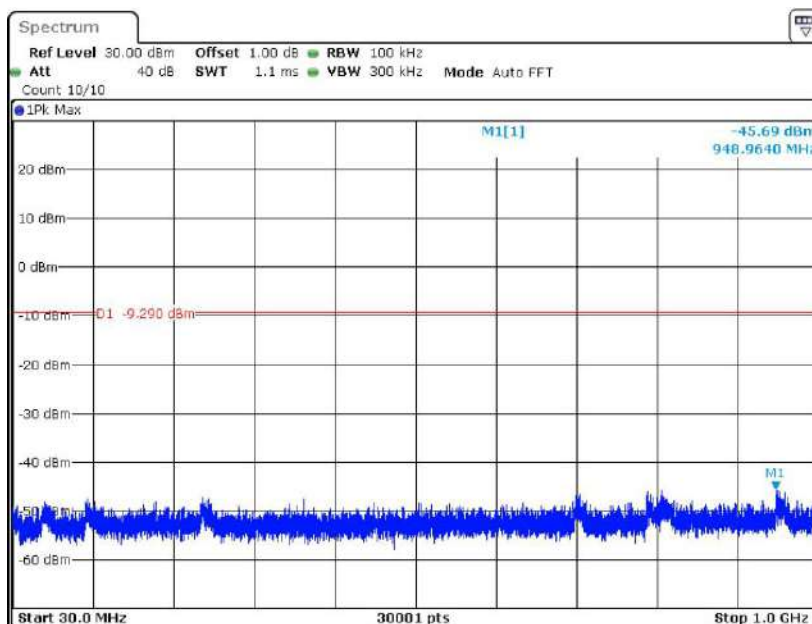
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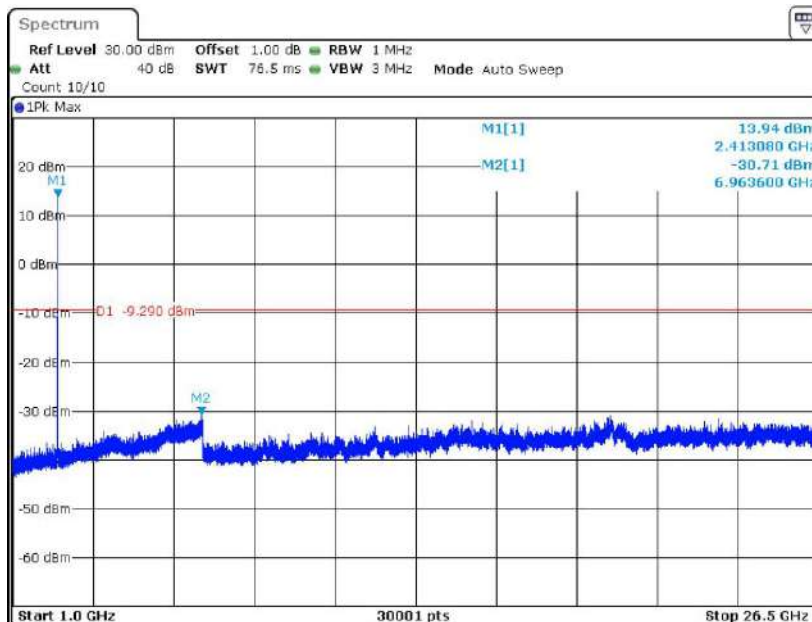


11B\_Ant1\_2412\_30~1000



Date: 6 MAY 2021 04:40:25

11B\_Ant1\_2412\_1000~26500



Date: 6 MAY 2021 04:40:47



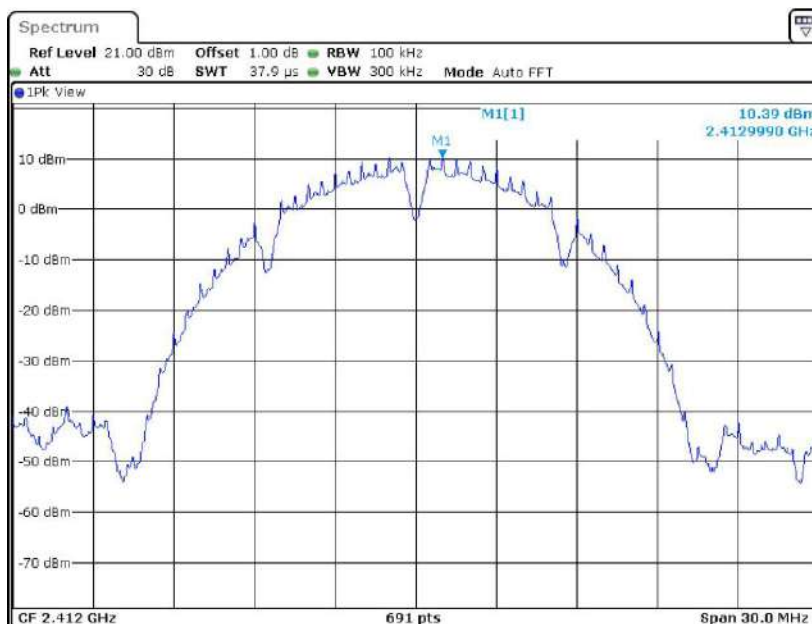
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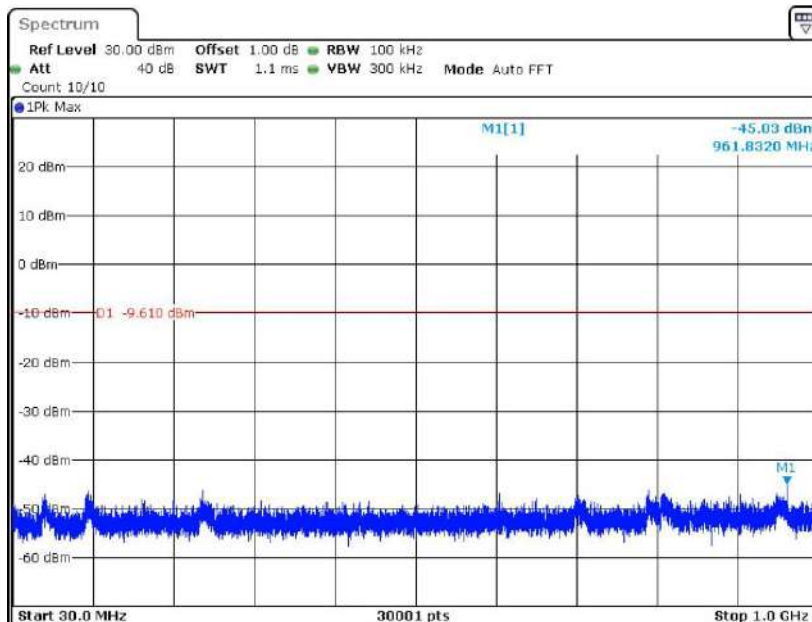


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Date: 6 MAY 2021 06:33:09

11B\_Ant2\_2412\_30~1000



Date: 6 MAY 2021 06:33:13



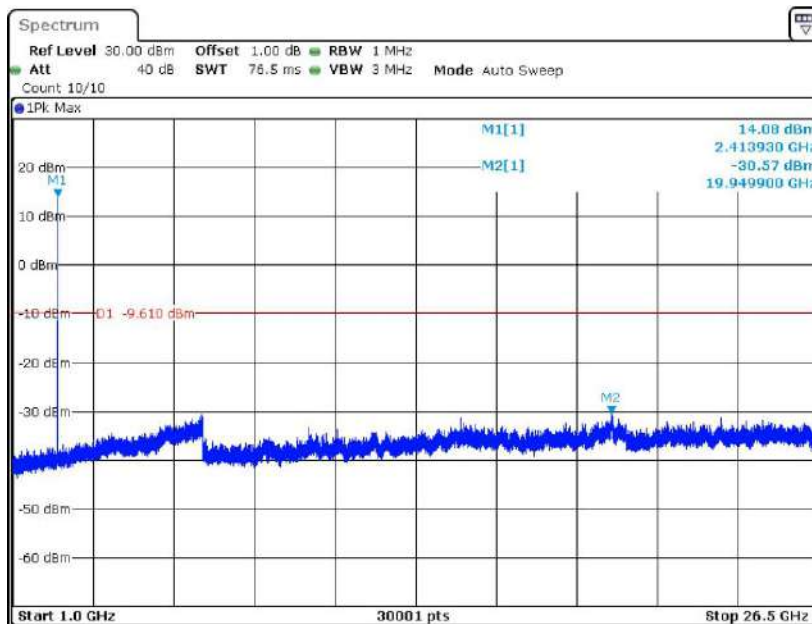
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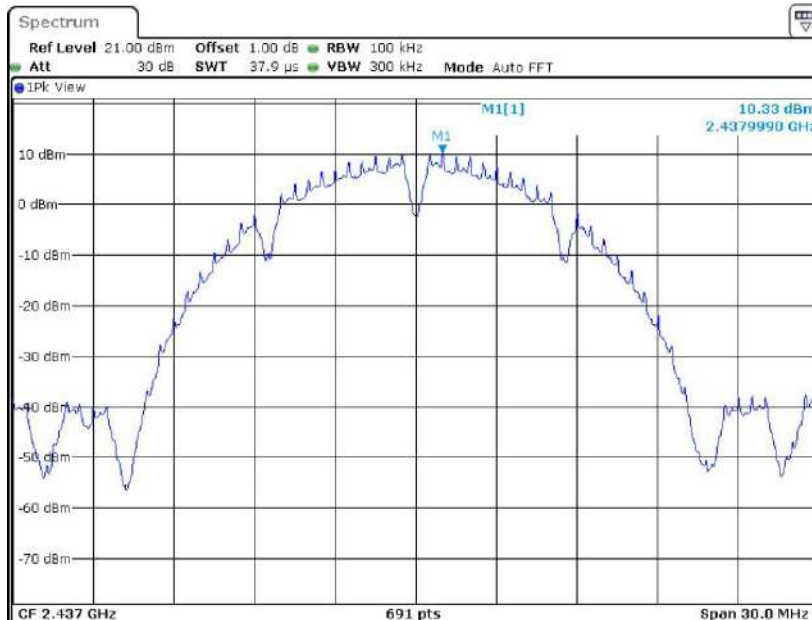


11B\_Ant2\_2412\_1000~26500



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com