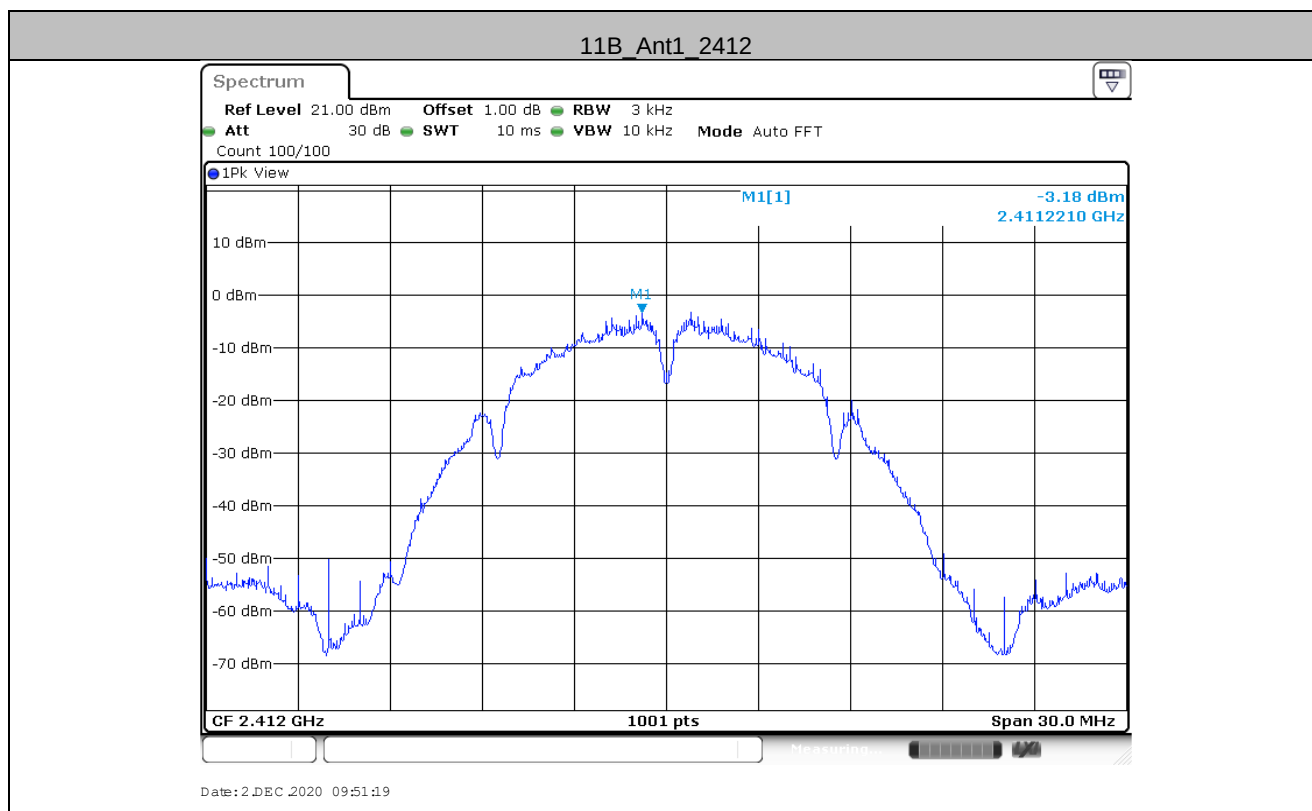
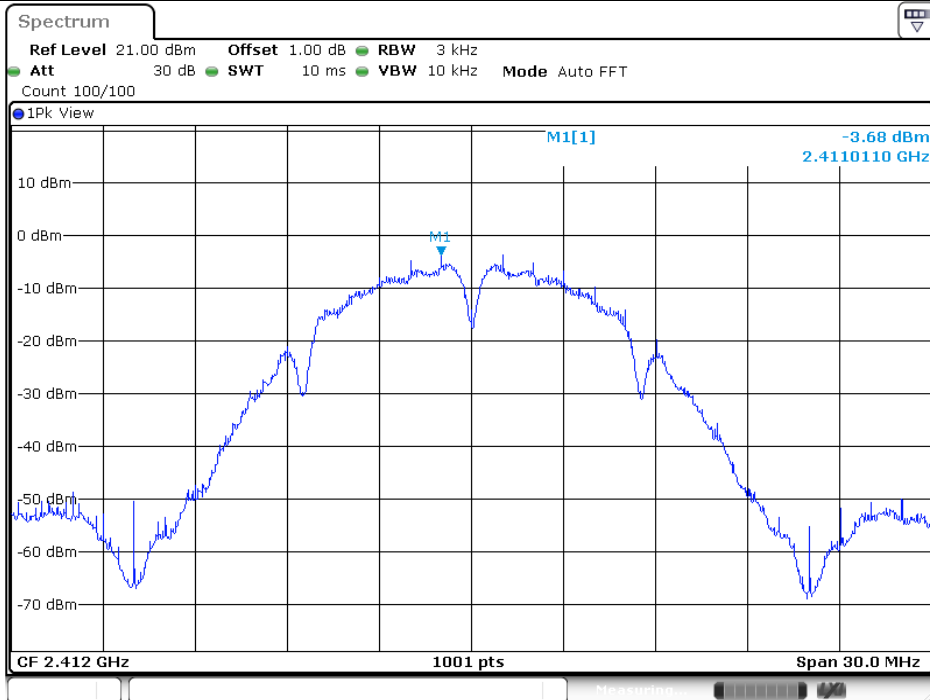


Test Graphs



11B_Ant2_2412



Date: 2 DEC. 2020 10:16:27

11B_Ant1_2437



Date: 2 DEC. 2020 09:53:49

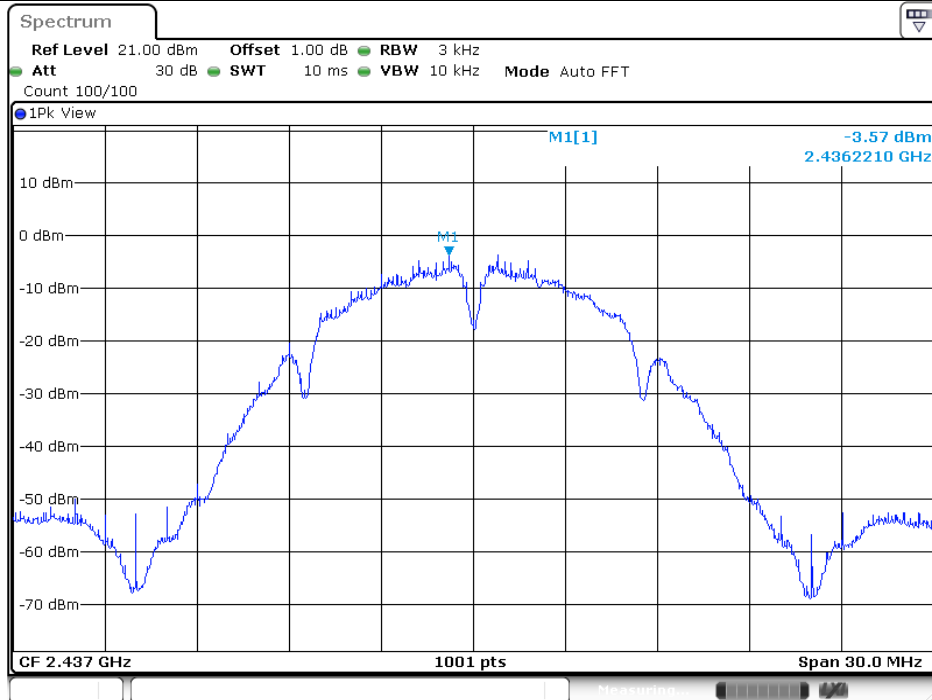


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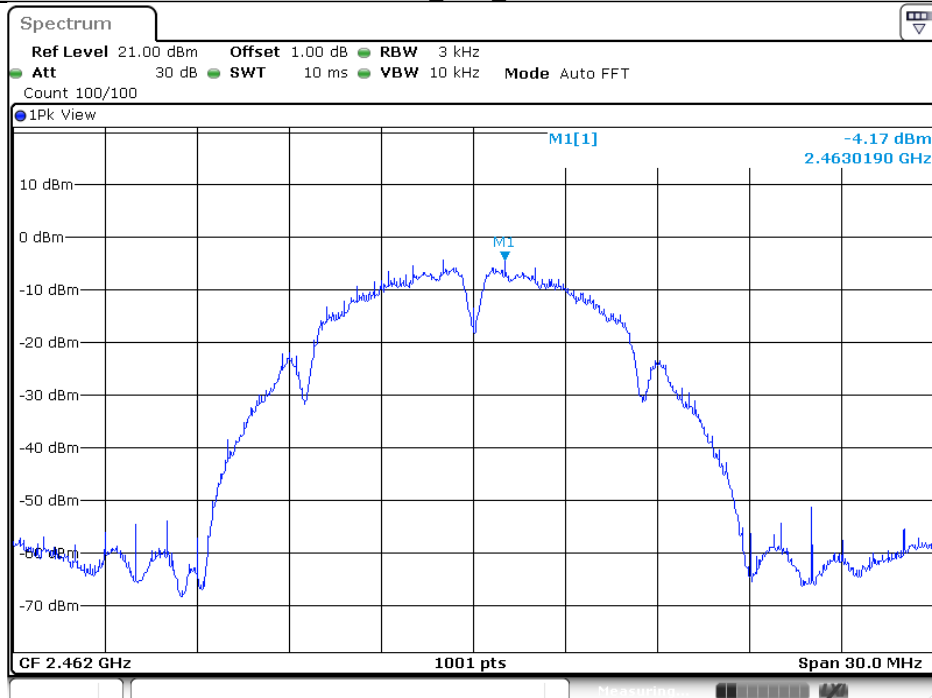
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11B_Ant1_2462



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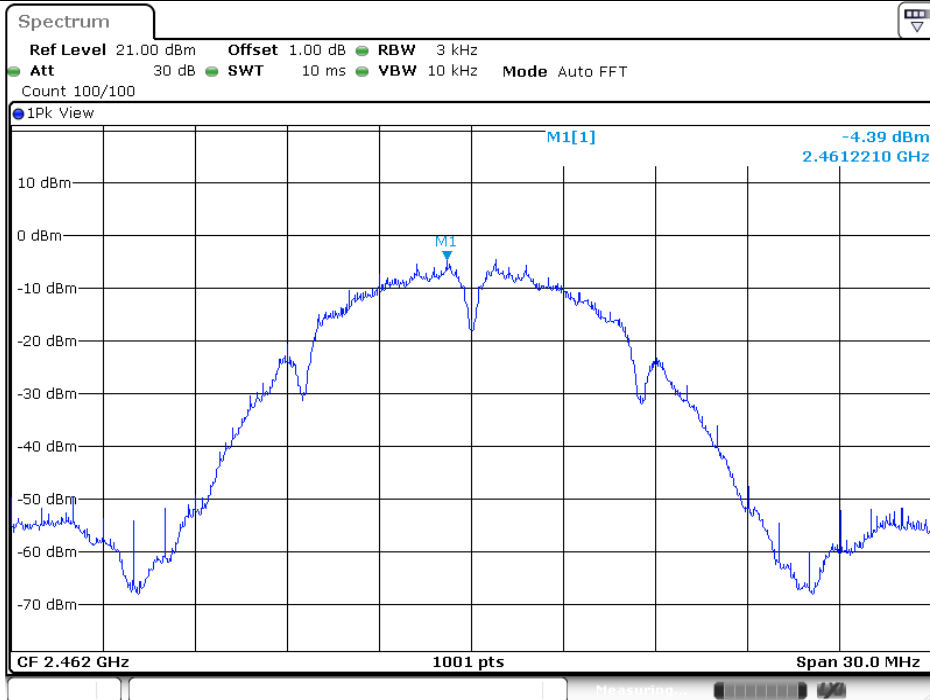


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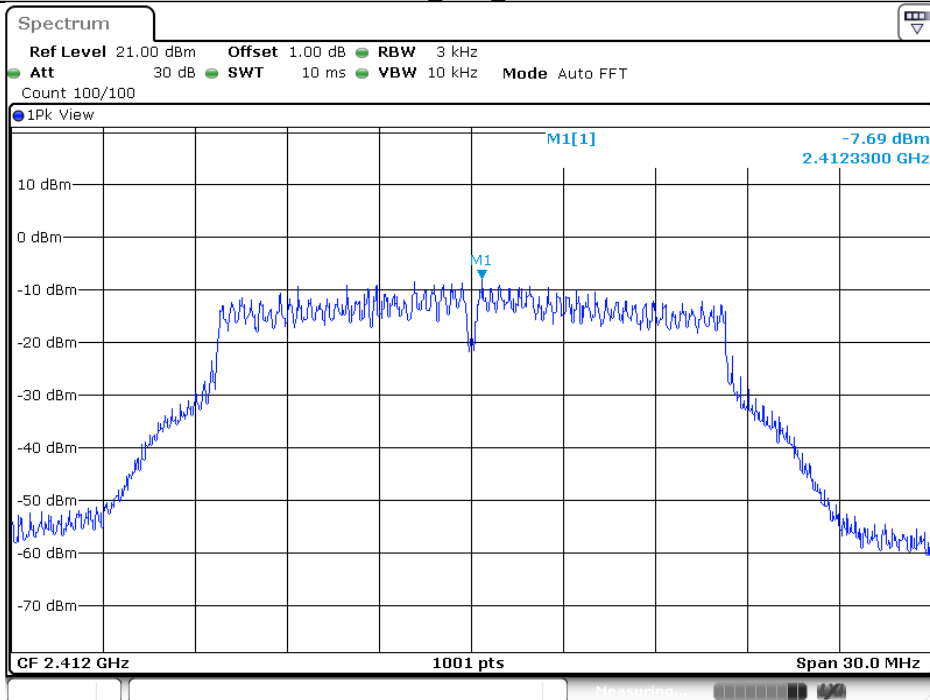
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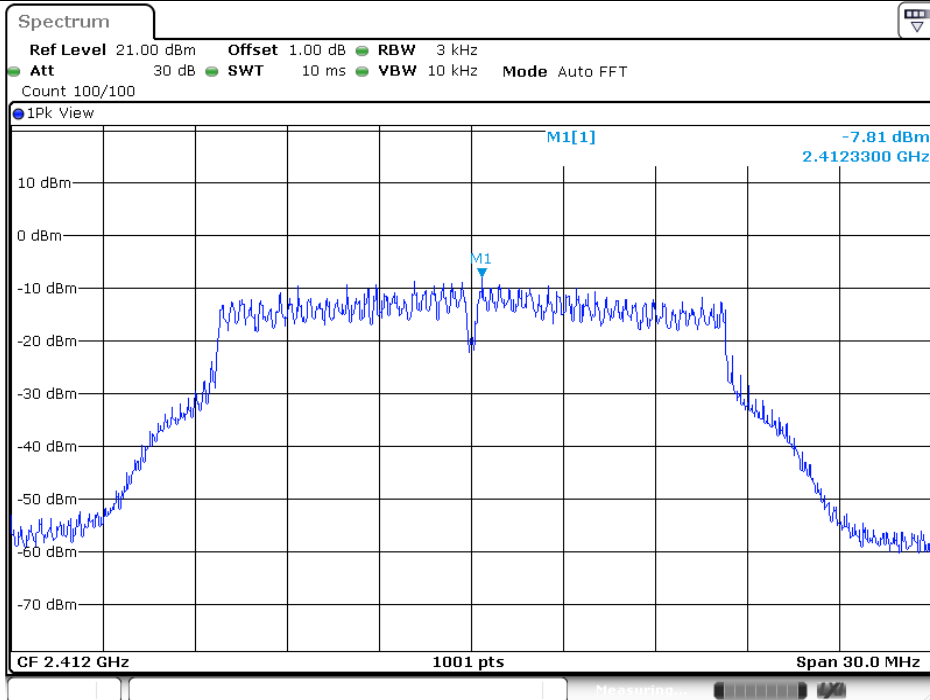
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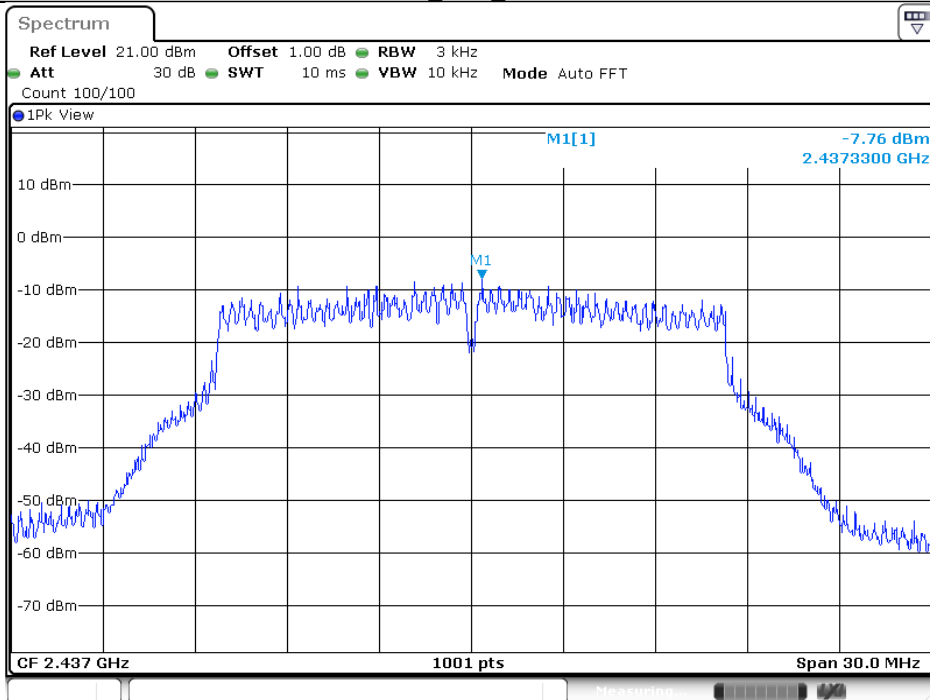
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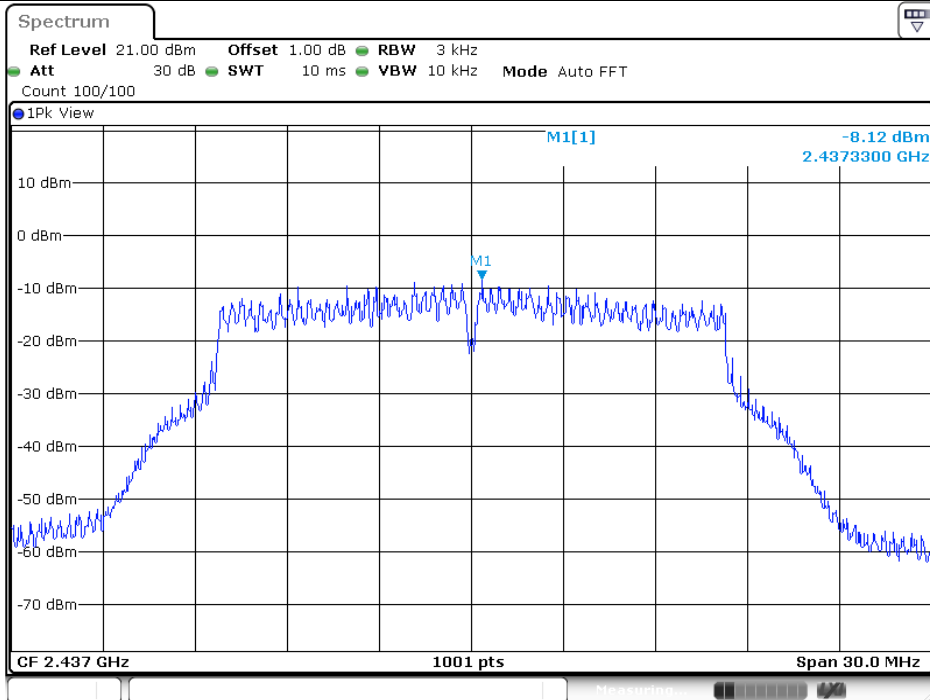
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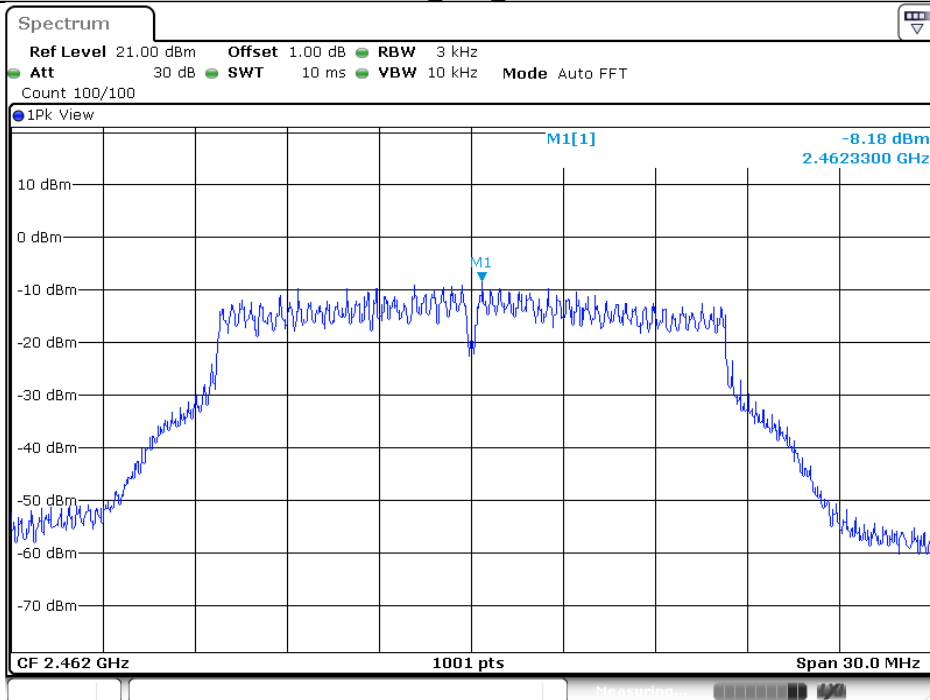
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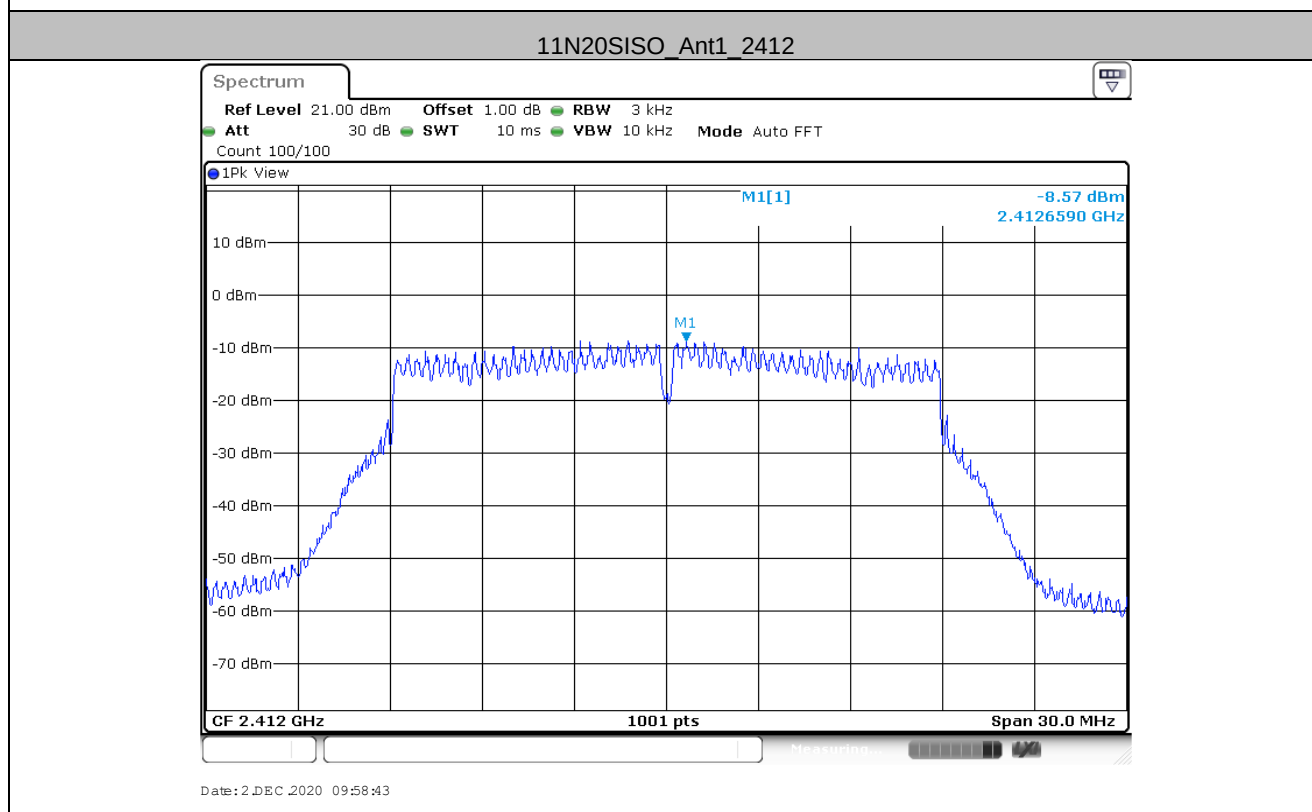
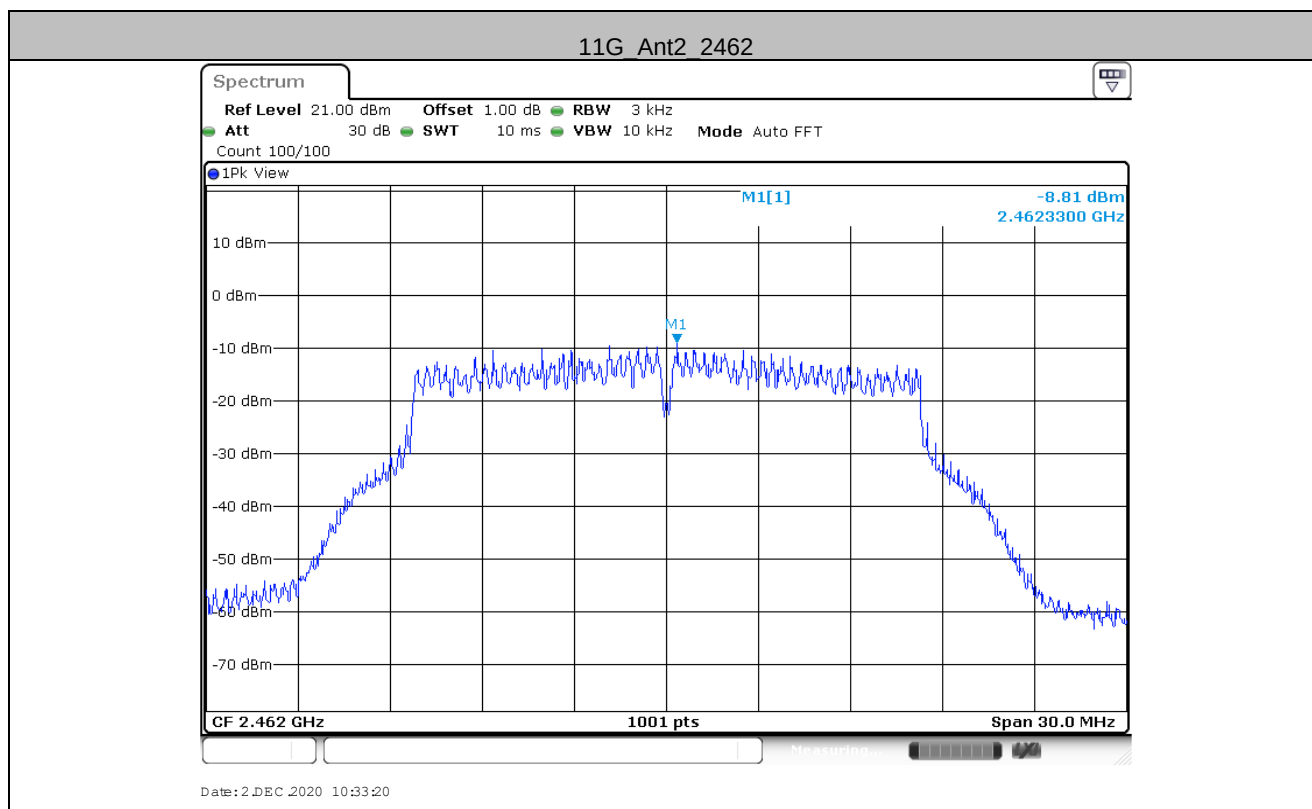


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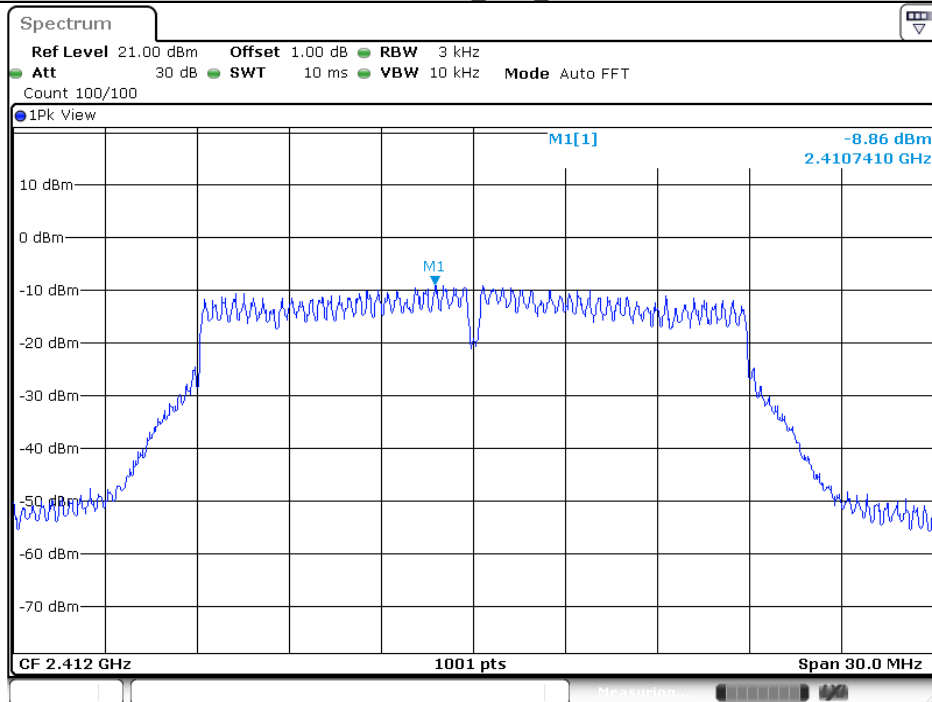
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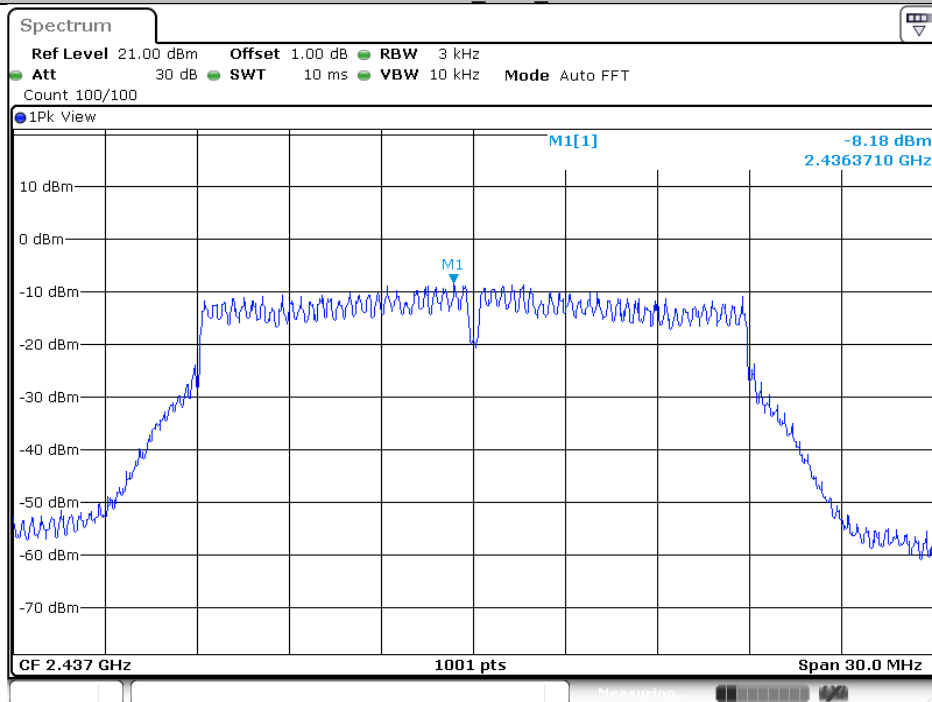
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11N20SISO Ant2 2412



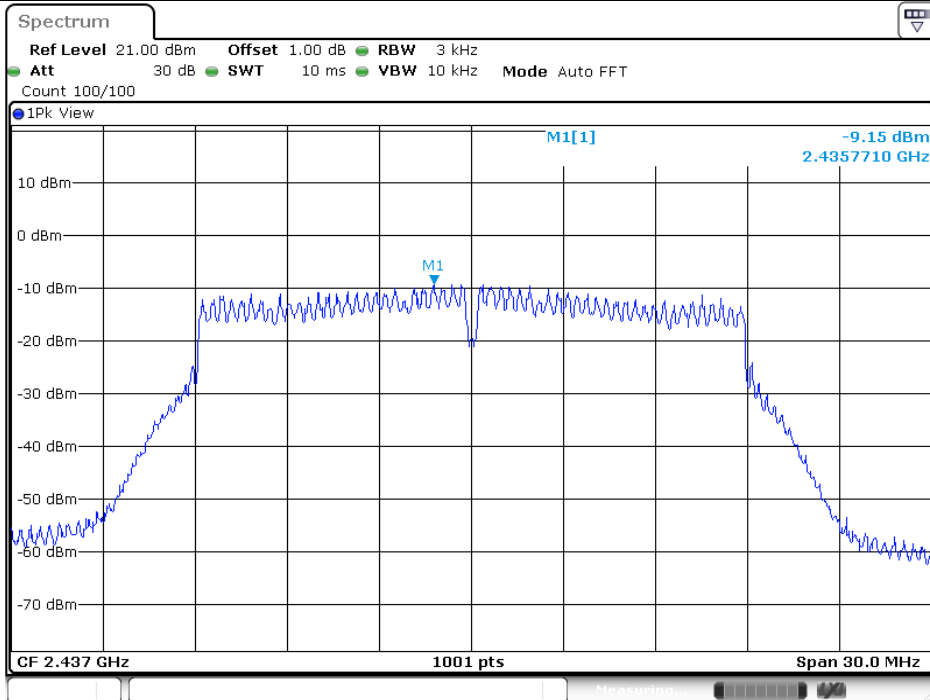
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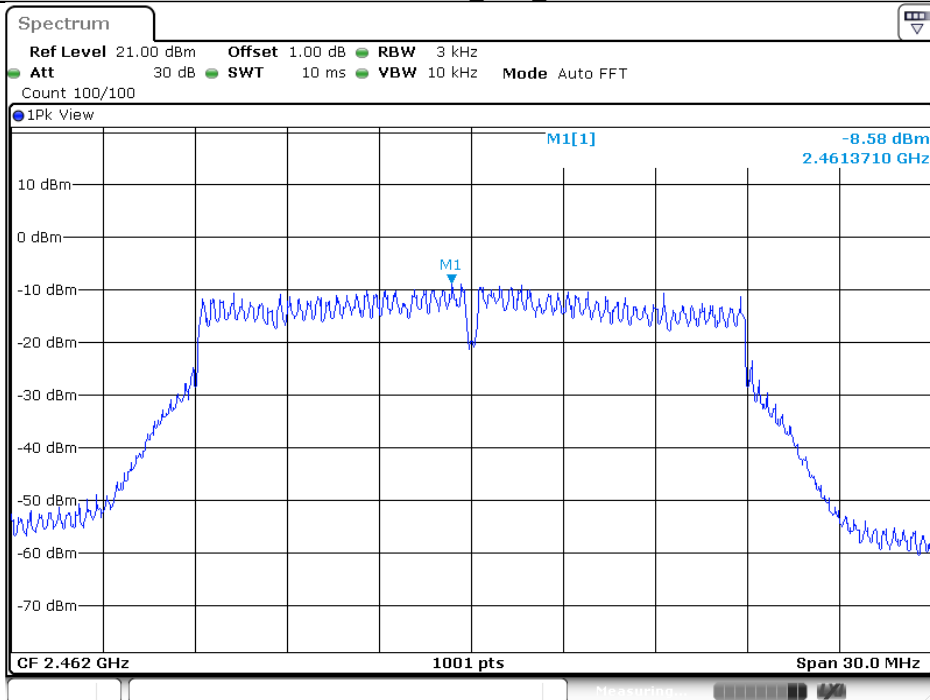
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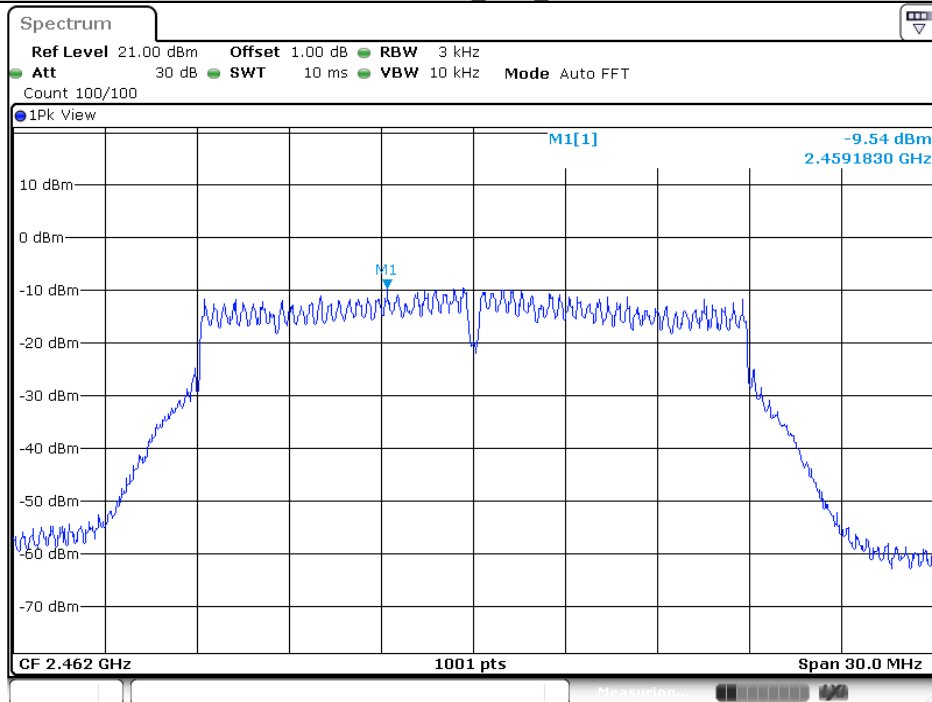
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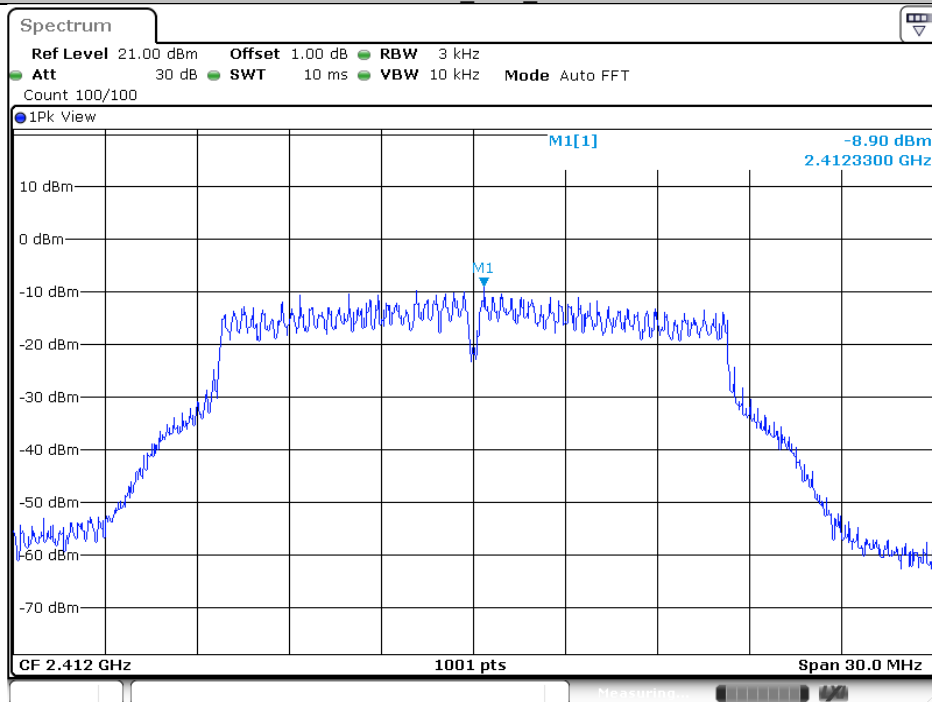
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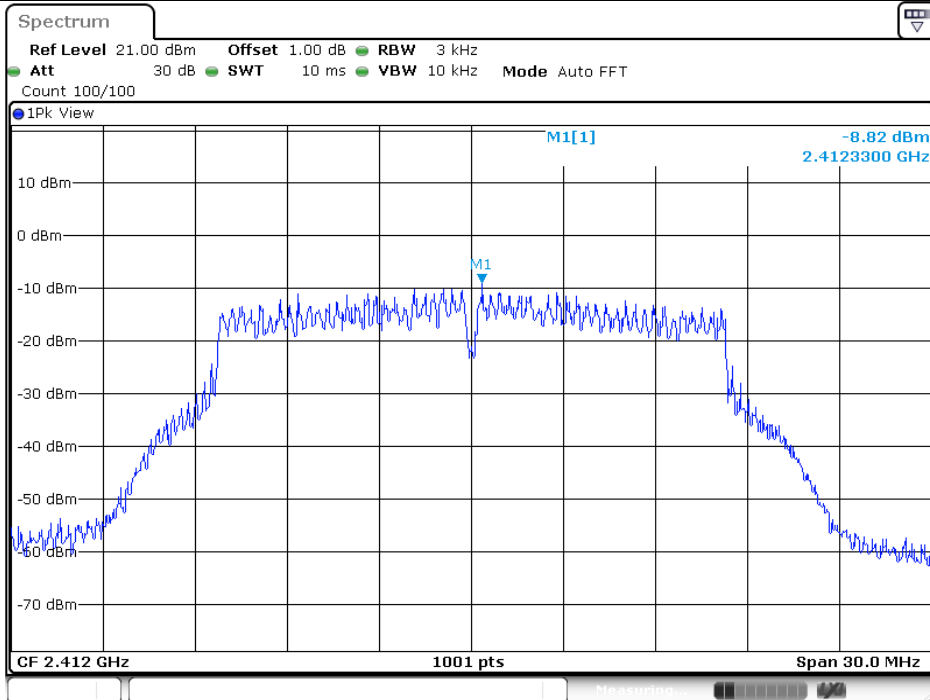
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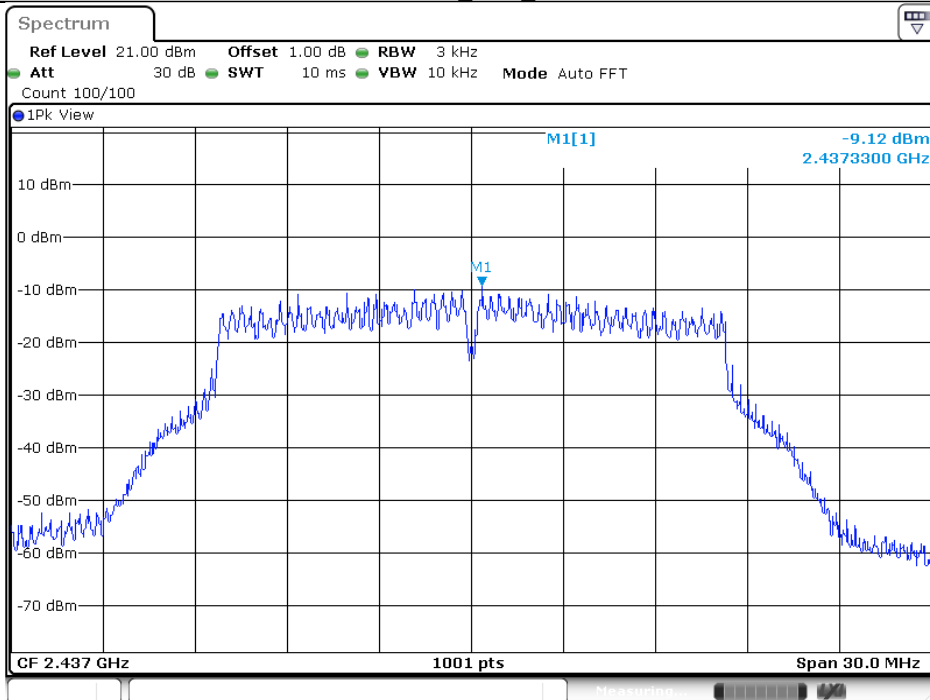
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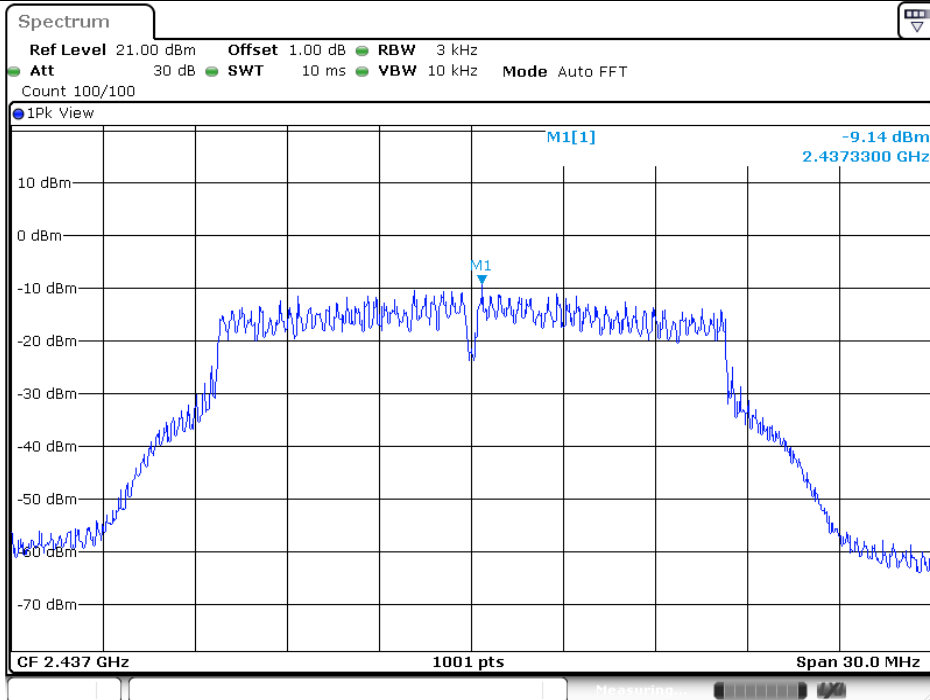
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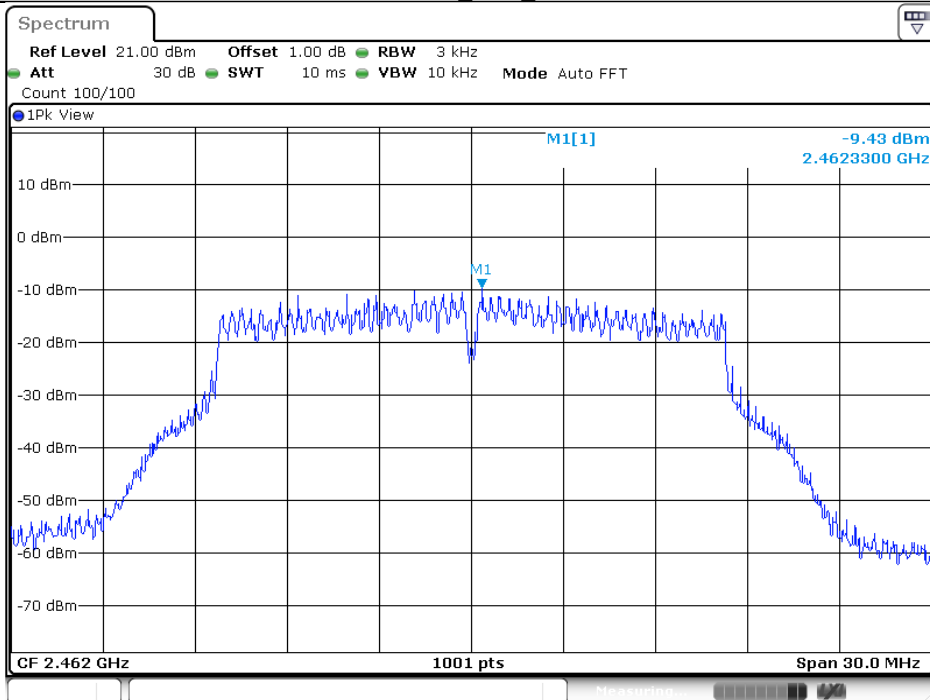
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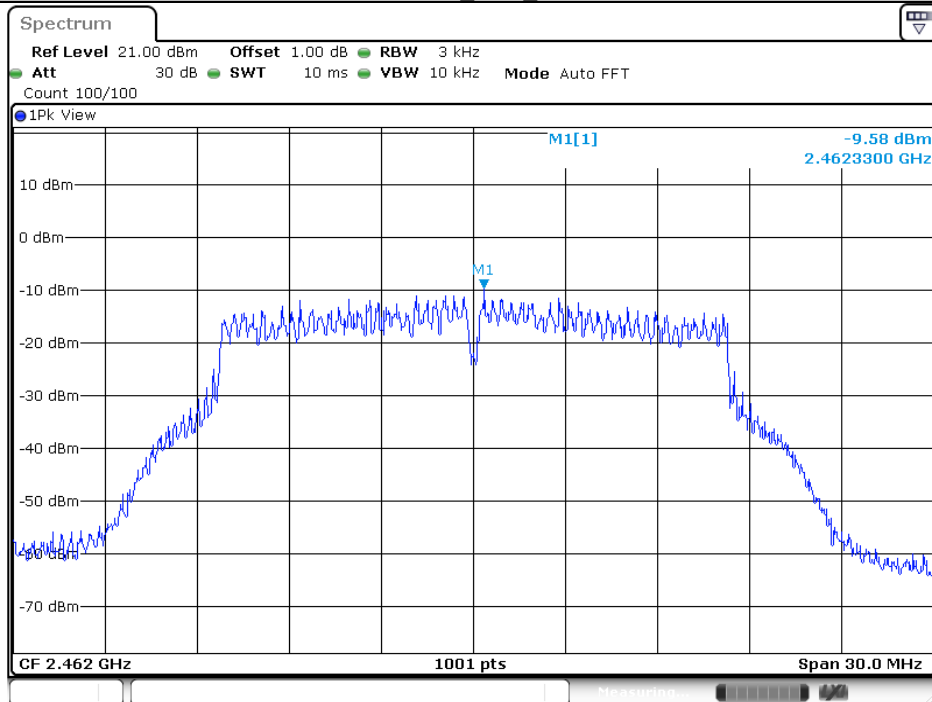
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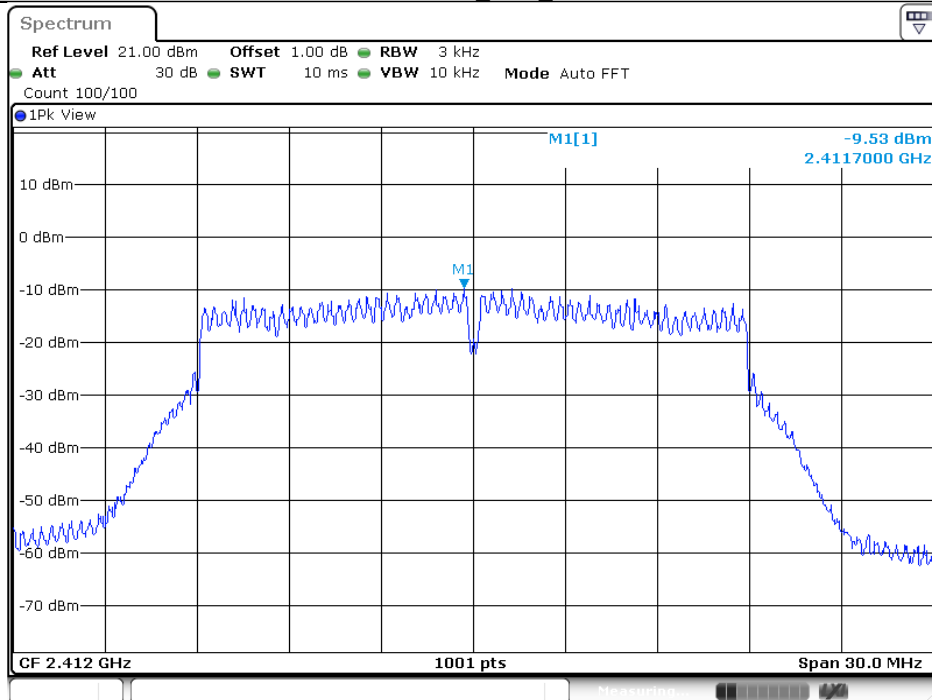
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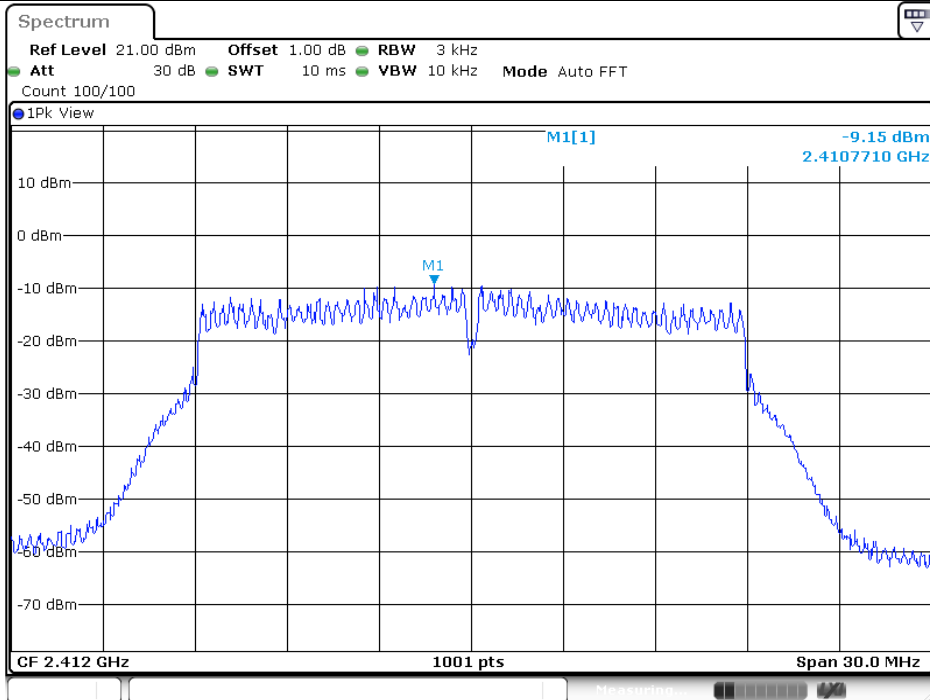
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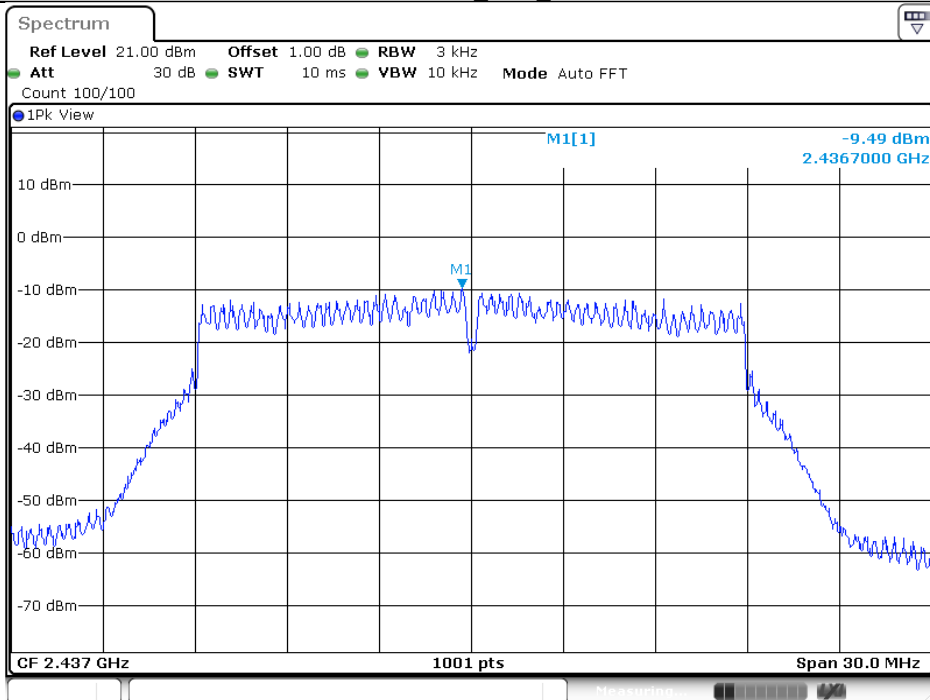
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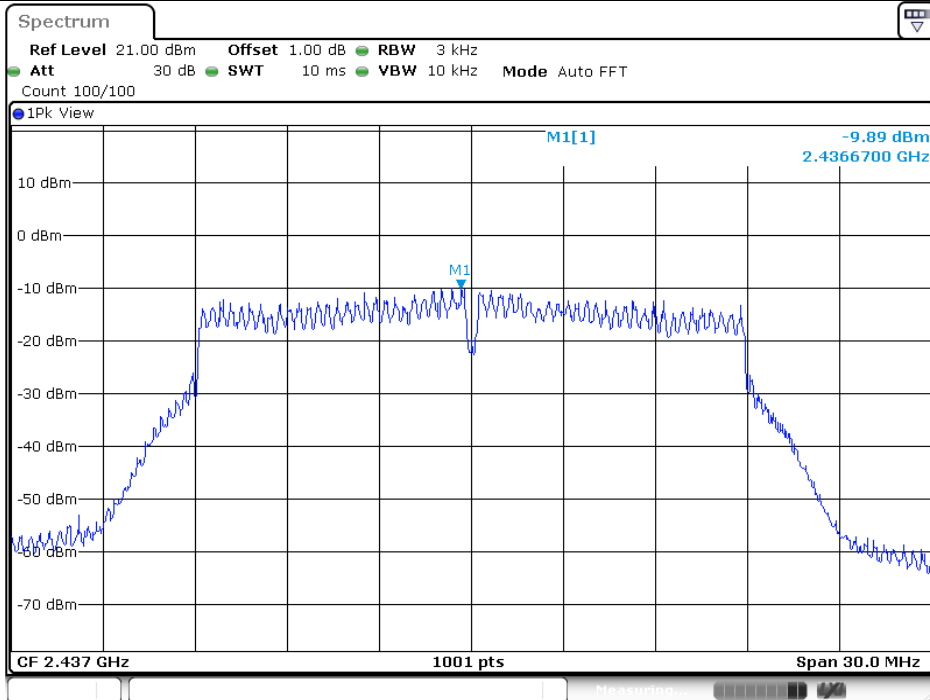
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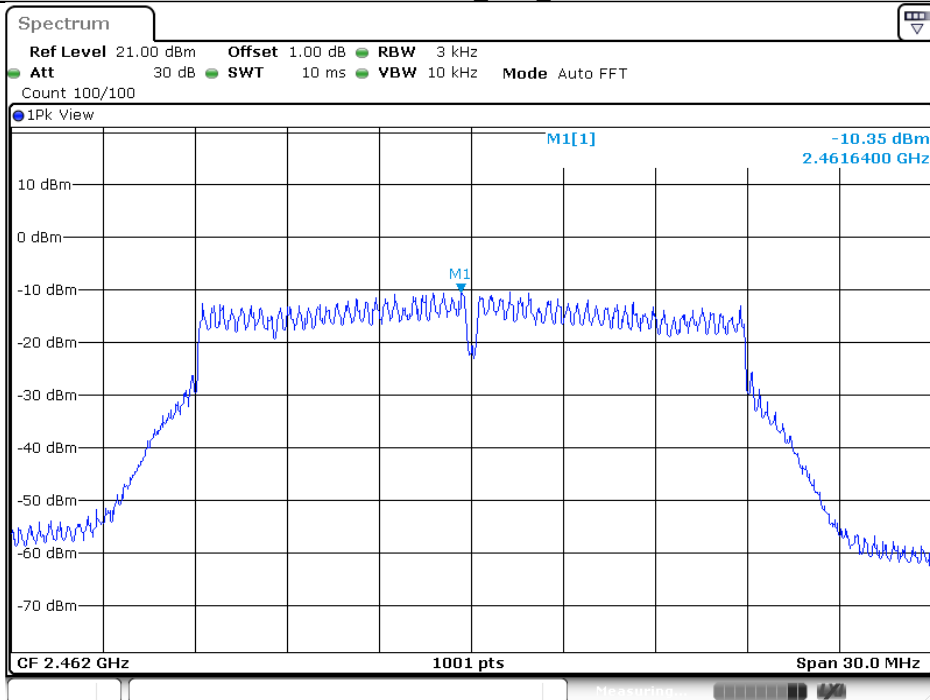
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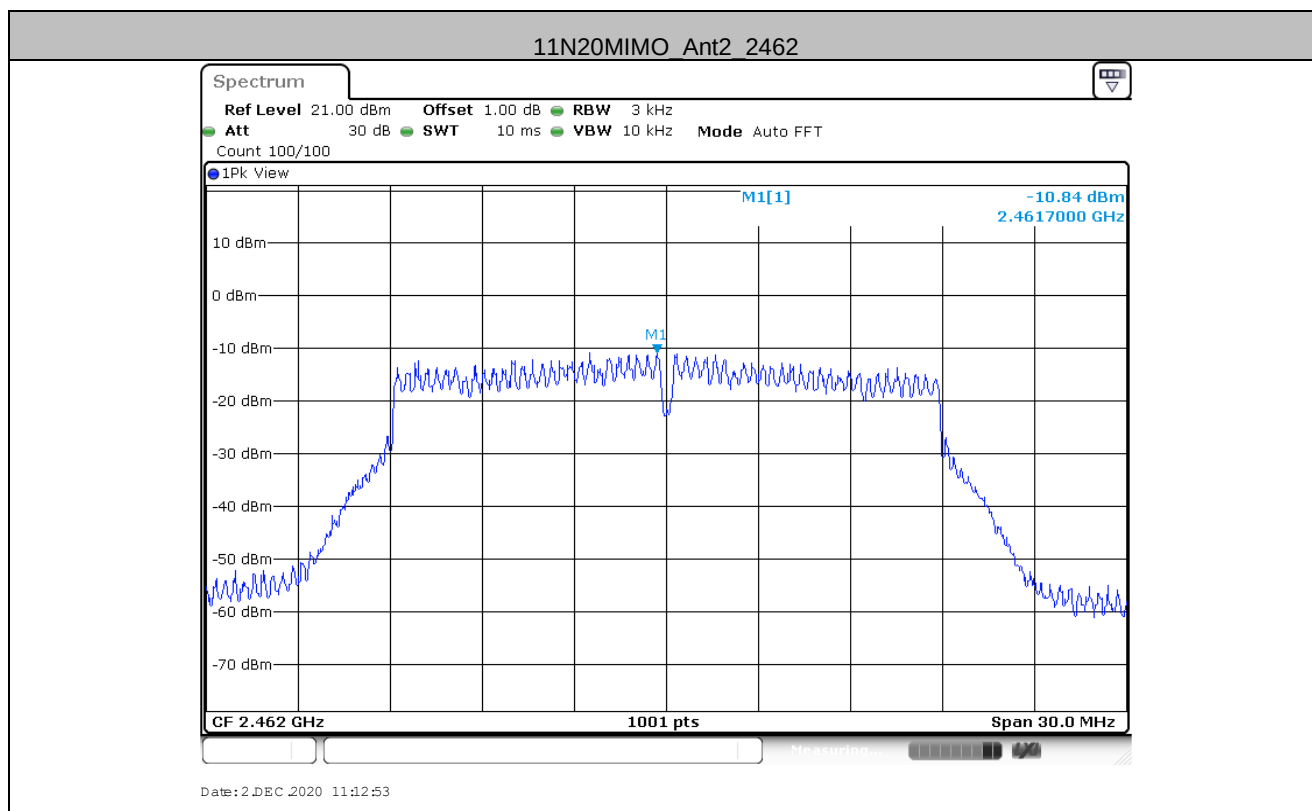
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11N20MIMO_Ant2_2437



11N20MIMO_Ant1_2462





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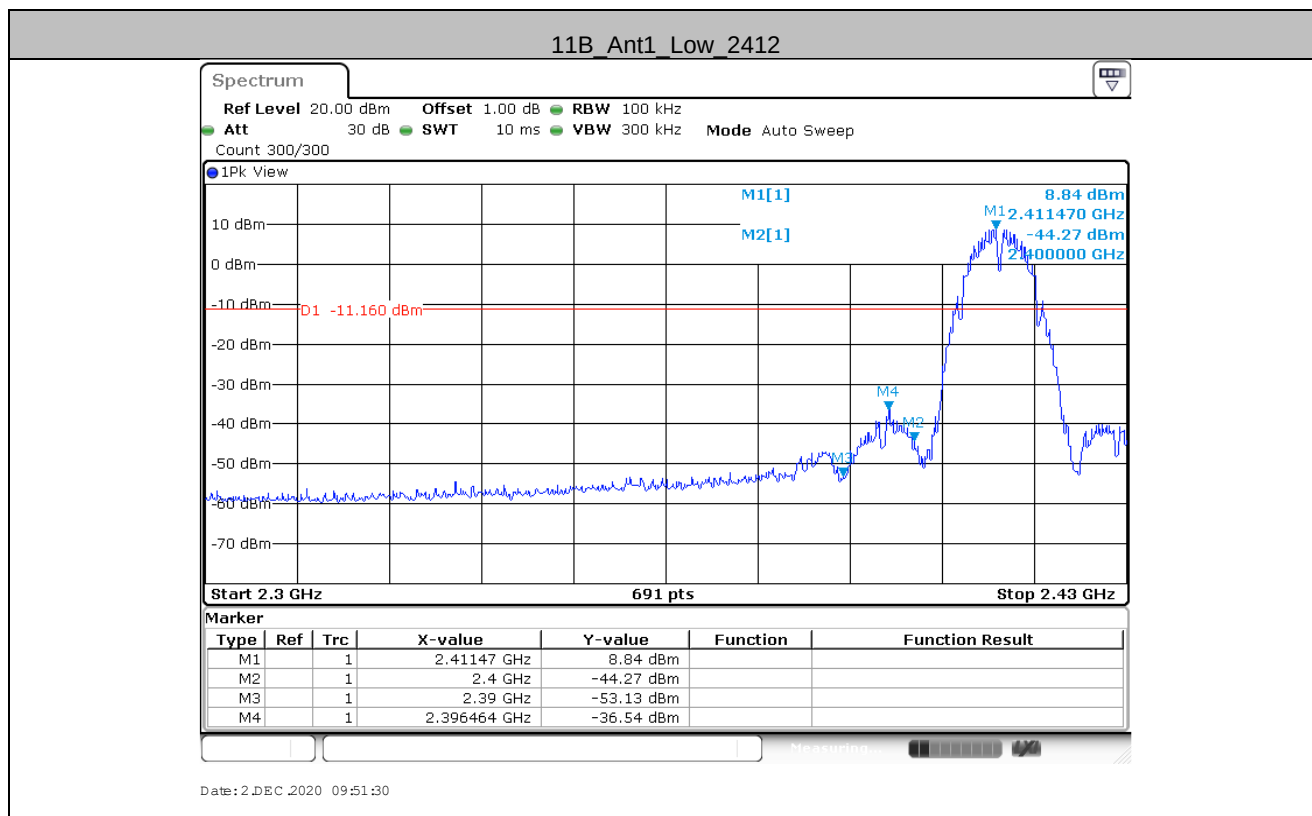
Band edge measurements

Test Result

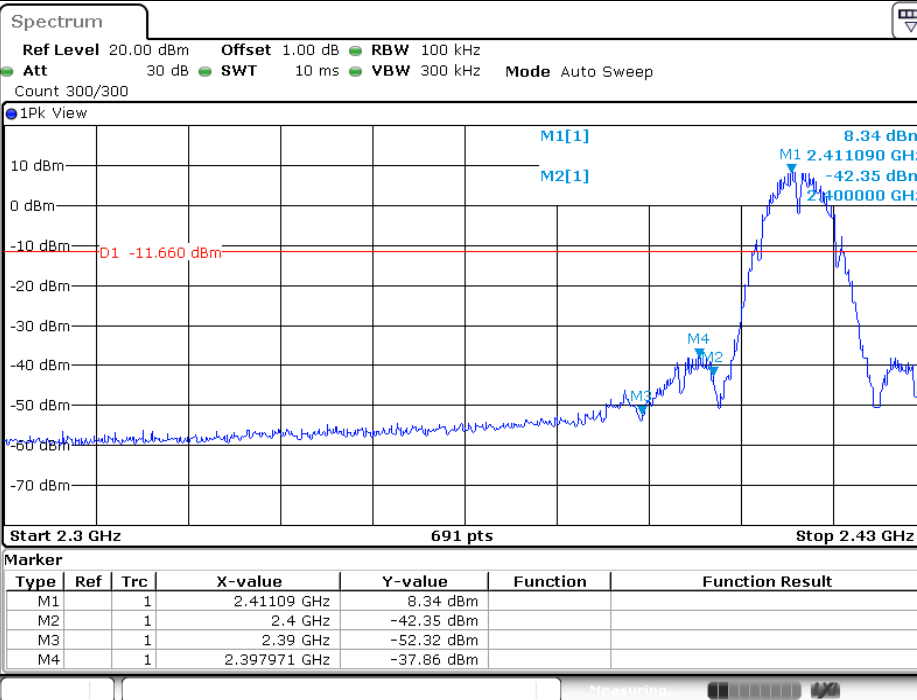
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.84	-36.54	<=-11.16	PASS
	Ant2	Low	2412	8.34	-37.86	<=-11.66	PASS
	Ant1	High	2462	8.37	-47.93	<=-11.63	PASS
	Ant2	High	2462	7.54	-48.96	<=-12.46	PASS
11G	Ant1	Low	2412	4.68	-34.87	<=-15.32	PASS
	Ant2	Low	2412	4.38	-34.01	<=-15.62	PASS
	Ant1	High	2462	4.23	-45.75	<=-15.77	PASS
	Ant2	High	2462	3.52	-45.77	<=-16.48	PASS
11N20SISO	Ant1	Low	2412	3.82	-37.87	<=-16.18	PASS
	Ant2	Low	2412	3.75	-33.96	<=-16.25	PASS
	Ant1	High	2462	3.51	-45.26	<=-16.49	PASS
	Ant2	High	2462	2.72	-48.25	<=-17.28	PASS
11G-CDD	Ant1	Low	2412	3.37	-37.69	<=-16.63	PASS
	Ant2	Low	2412	3.06	-37.81	<=-16.94	PASS
	Ant1	High	2462	2.88	-47.79	<=-17.12	PASS
	Ant2	High	2462	2.06	-49.32	<=-17.94	PASS
11N20MIMO	Ant1	Low	2412	2.53	-38.6	<=-17.47	PASS
	Ant2	Low	2412	2.30	-34.44	<=-17.7	PASS
	Ant1	High	2462	1.99	-47.97	<=-18.01	PASS
	Ant2	High	2462	1.23	-41.56	<=-18.77	PASS



Test Graphs

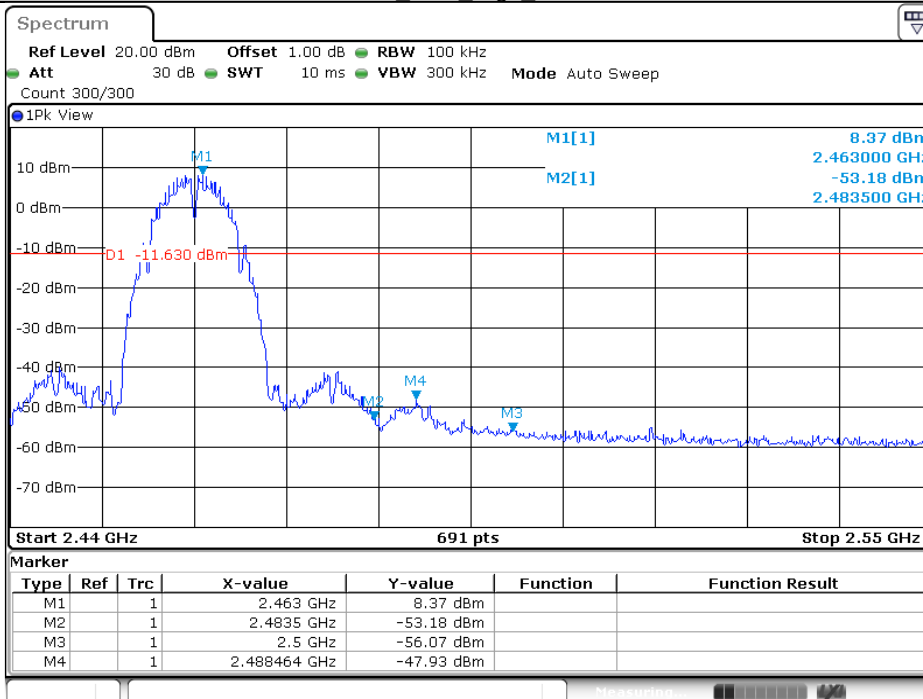


11B Ant2 Low 2412



Date: 2 DEC. 2020 10:16:39

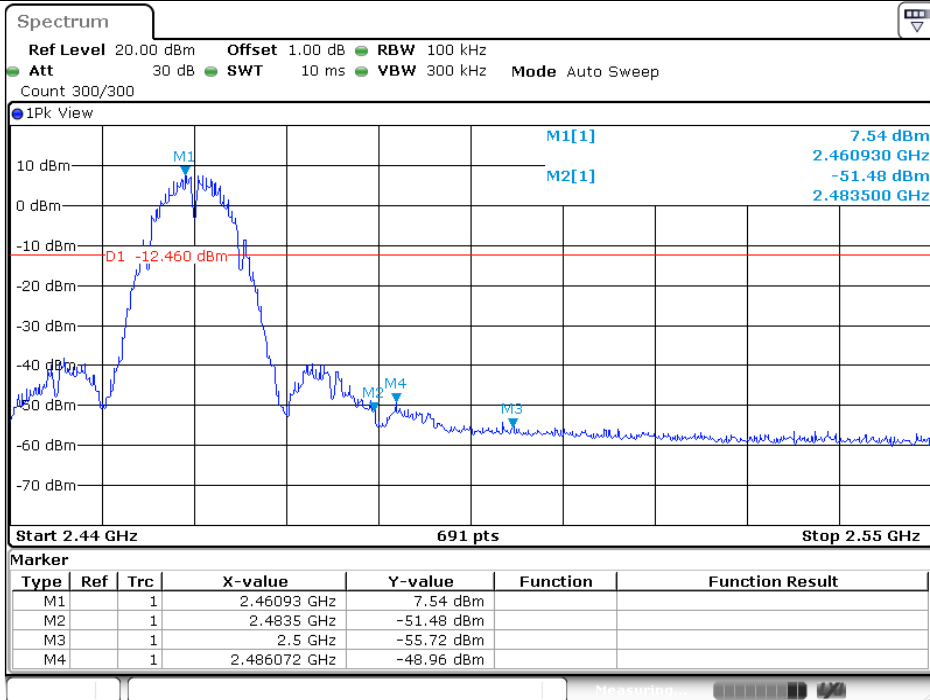
11B Ant1 High 2462



Date: 2 DEC. 2020 09:55:37

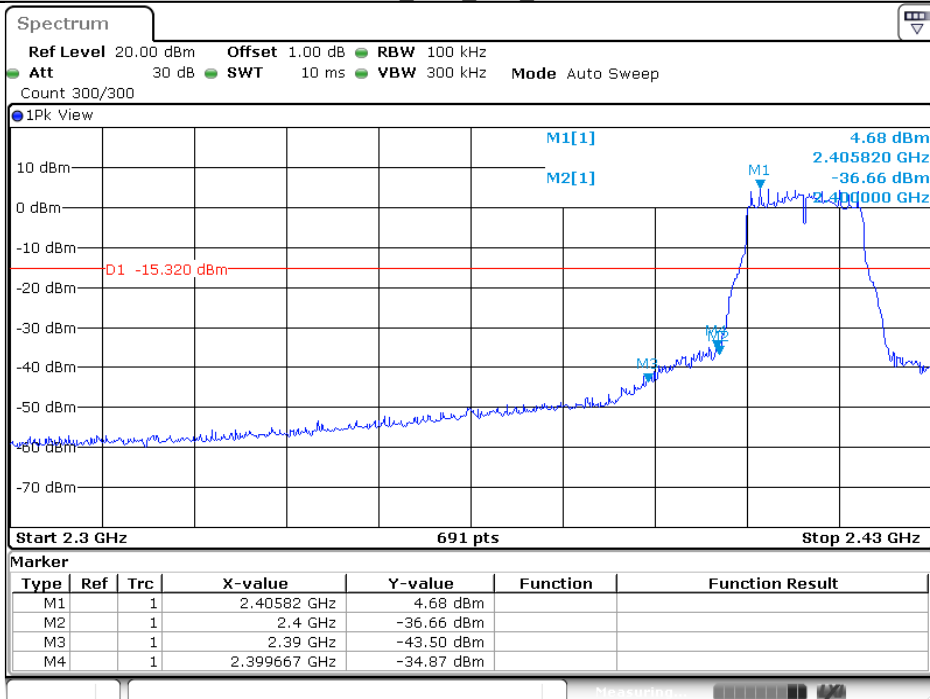


11B Ant2 High 2462



Date: 2 DEC. 2020 10:20:34

11G Ant1 Low 2412



Date: 2 DEC. 2020 09:45:11



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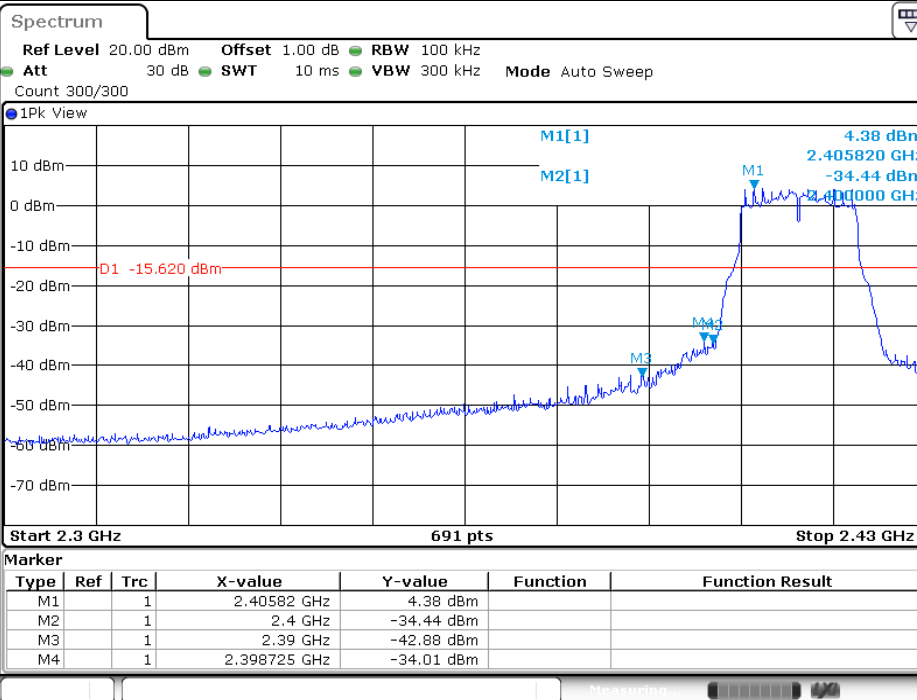
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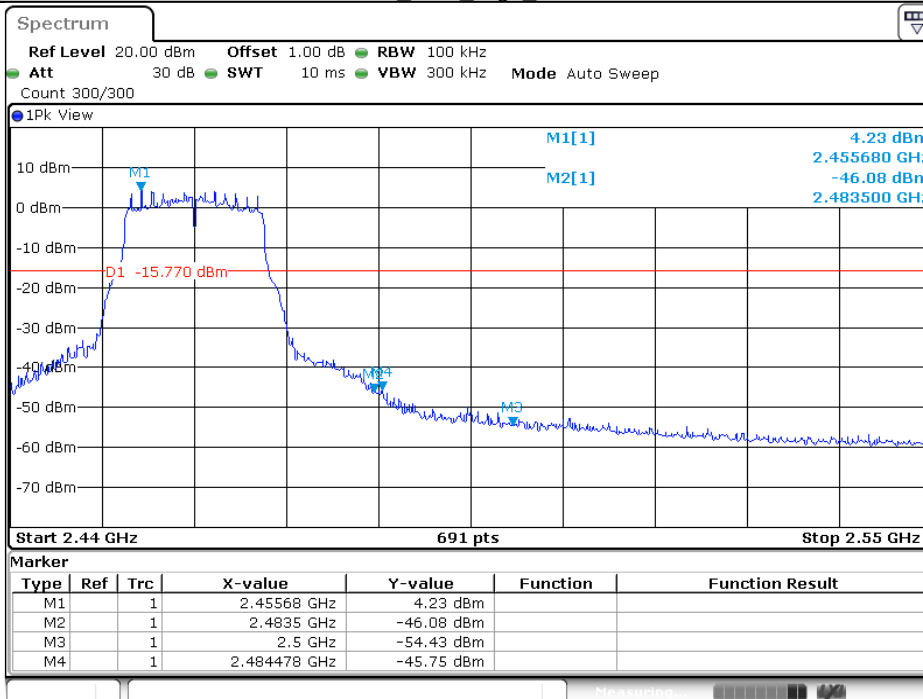
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11G Ant2 Low 2412



Date: 2 DEC. 2020 10:28:15

11G Ant1 High 2462



Date: 2 DEC. 2020 09:49:09



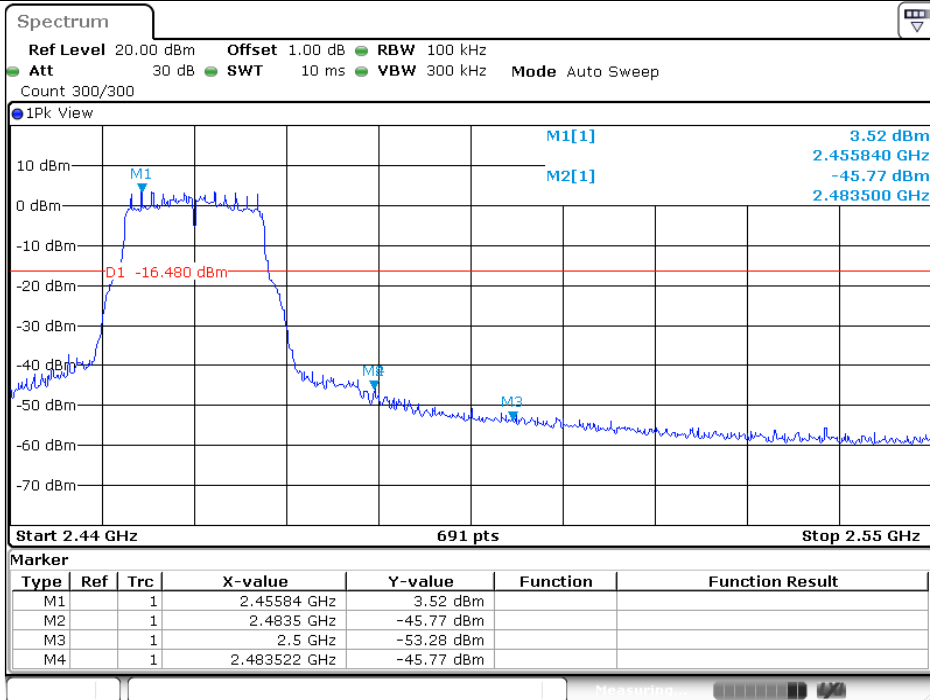
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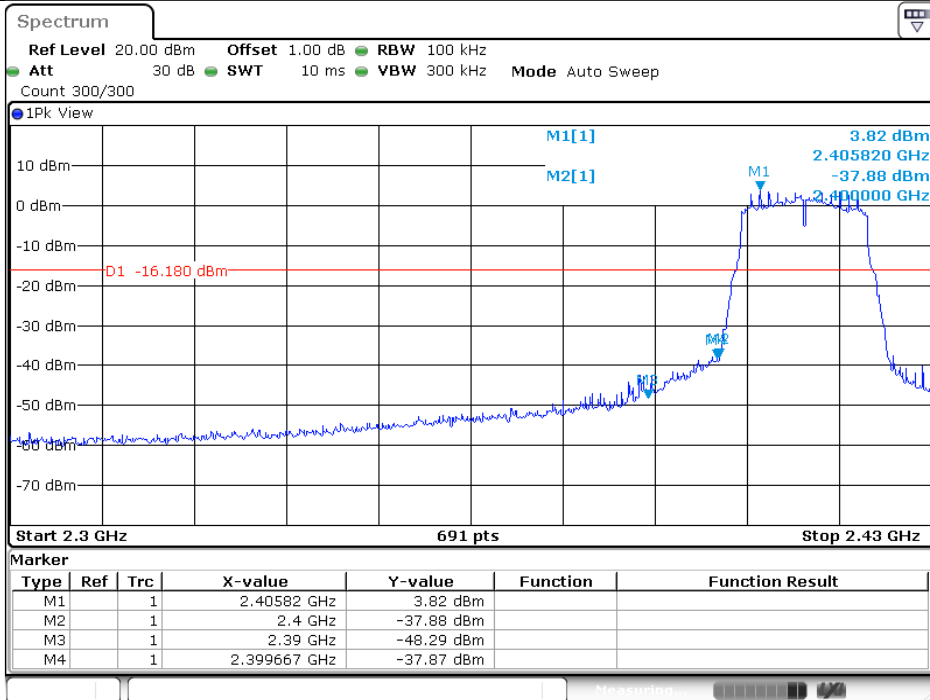
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11G Ant2 High 2462



Date: 2.DEC.2020 10:33:31

11N20SISO Ant1 Low 2412



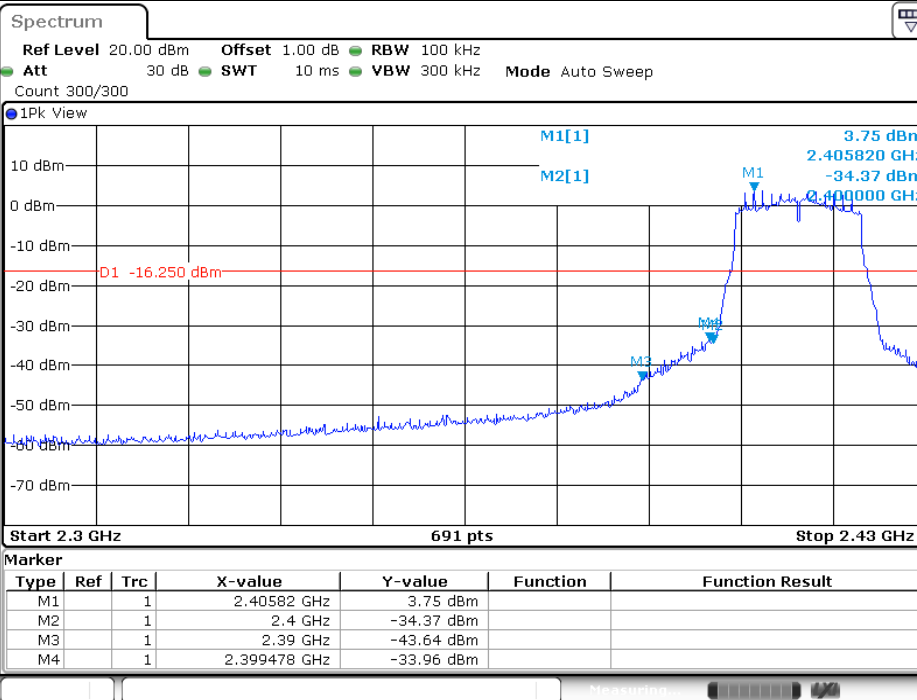
Date: 2.DEC.2020 09:58:54



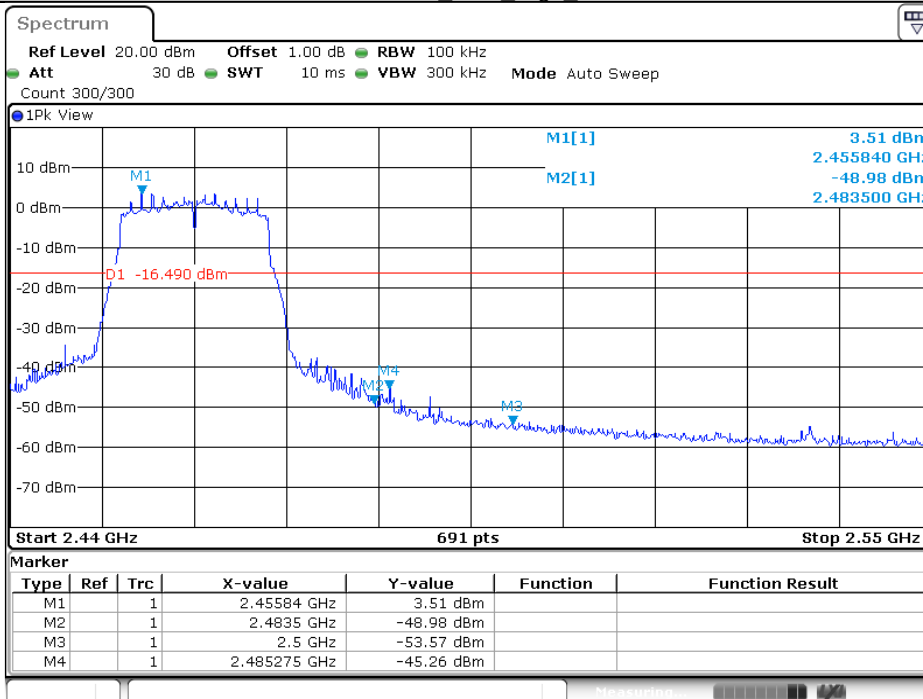
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11N20SISO Ant2 Low 2412



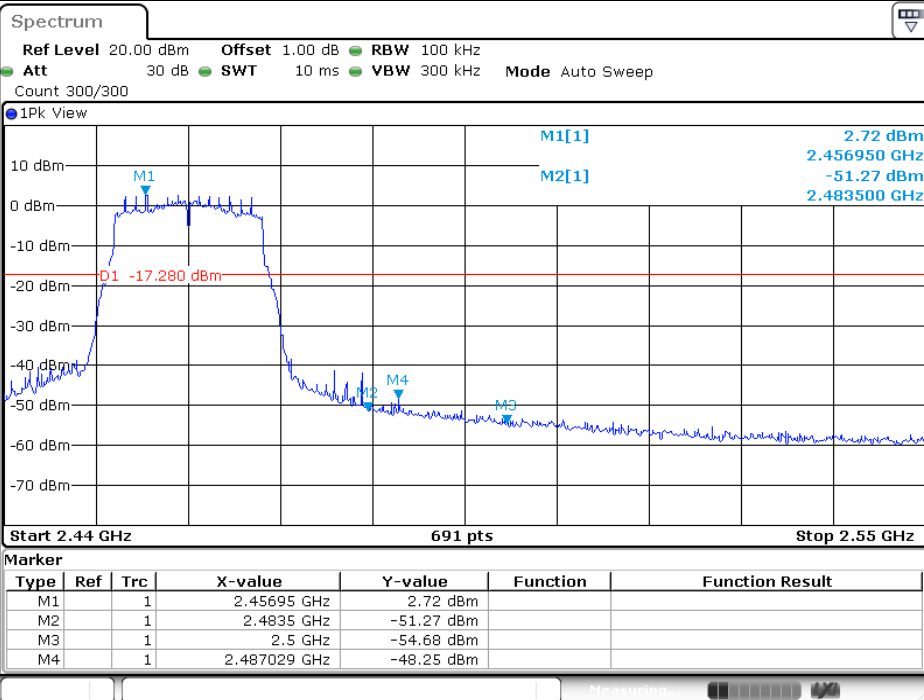
11N20SISO Ant1 High 2462



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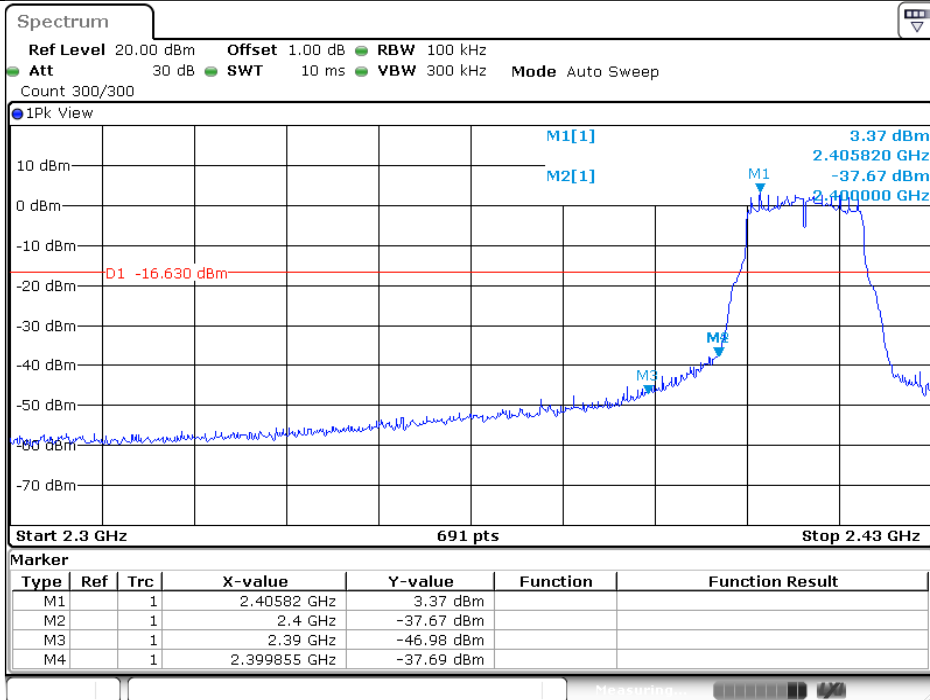
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11N20SISO Ant2 High 2462



Date: 2 DEC. 2020 10:12:50

11G-CDD Ant1 Low 2412



Date: 2 DEC. 2020 10:39:04

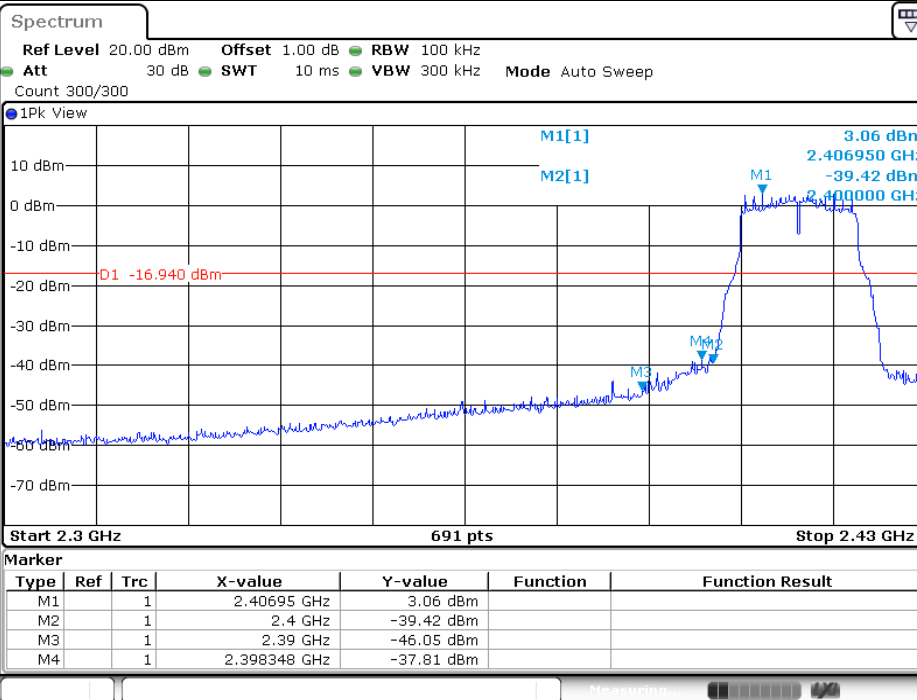
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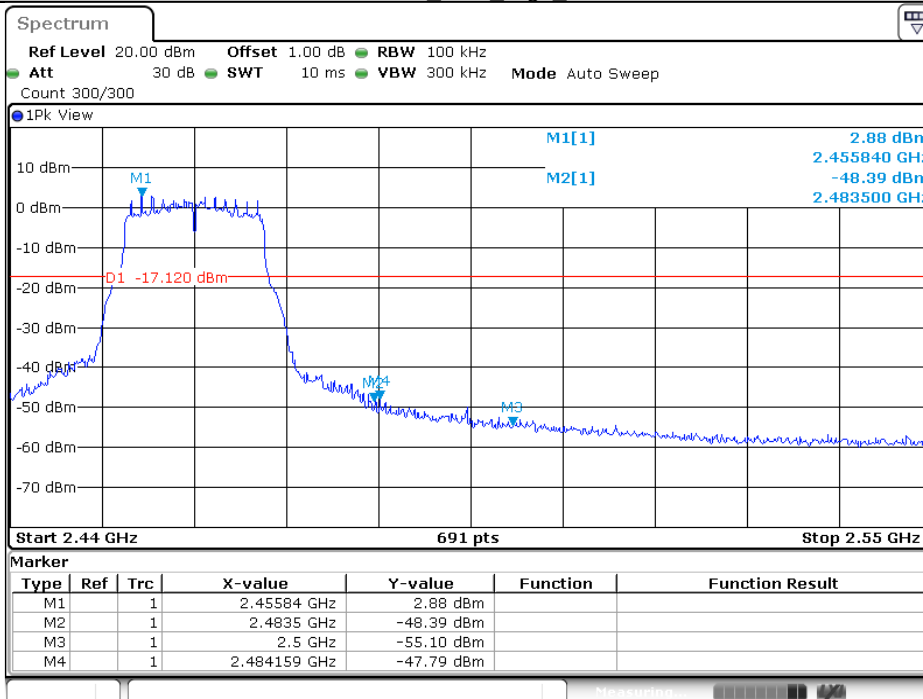
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11G-CDD Ant2 Low 2412



Date: 2 DEC. 2020 11:29:14

11G-CDD Ant1 High 2462



Date: 2 DEC. 2020 10:46:02

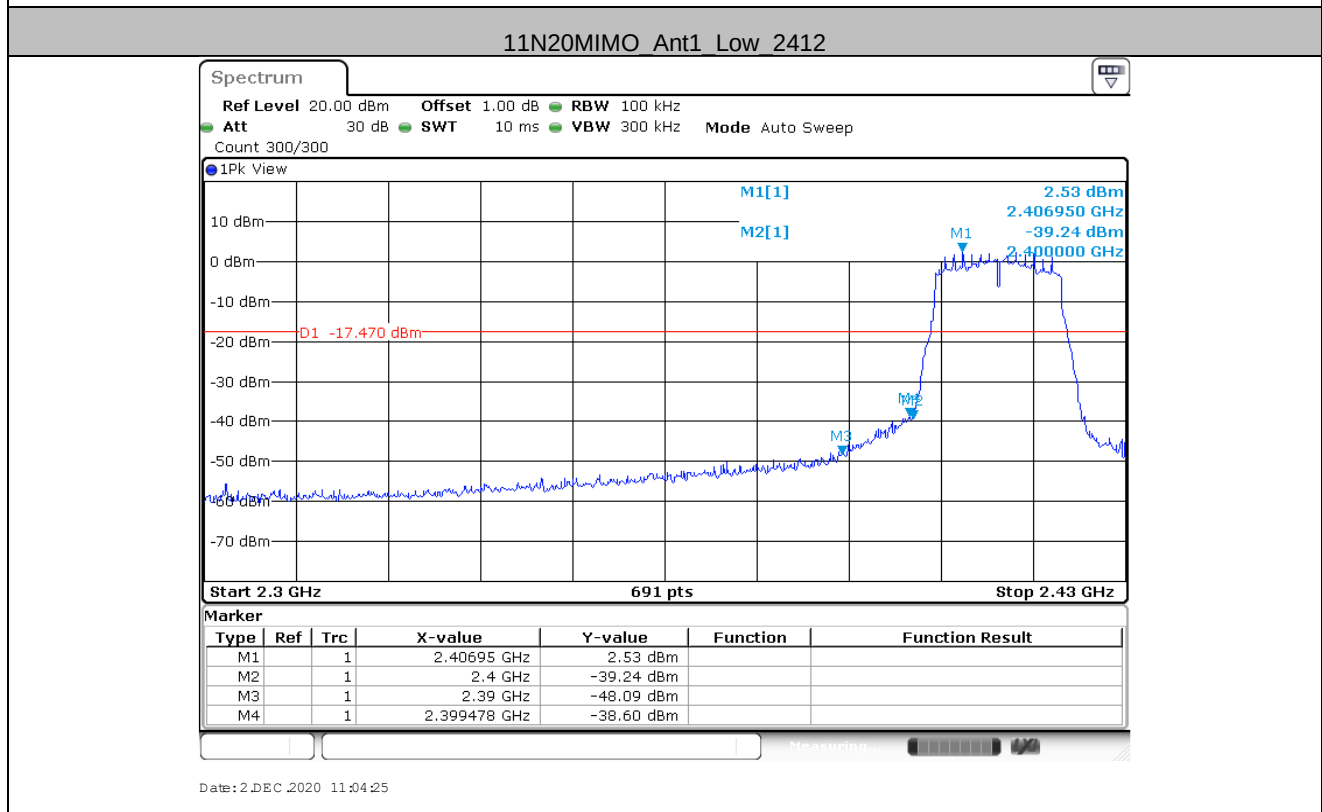
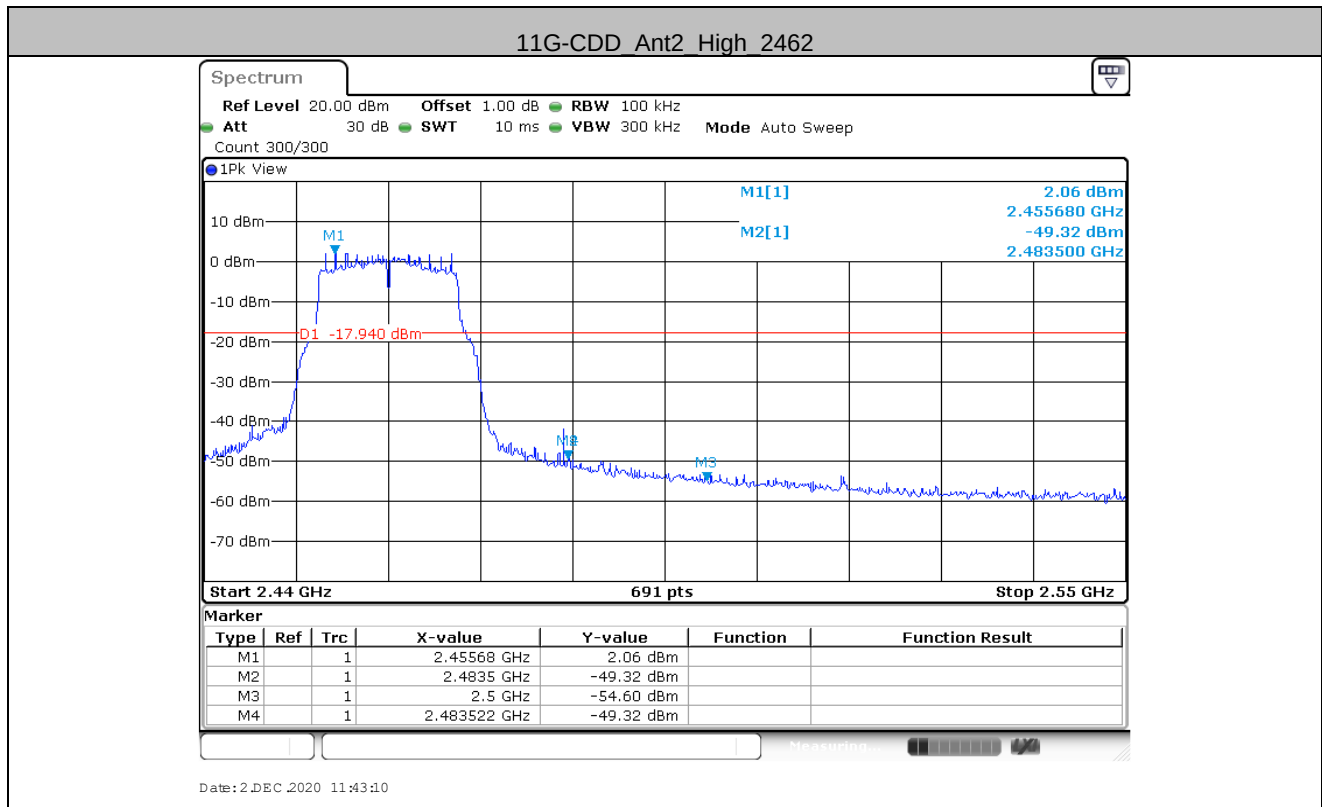


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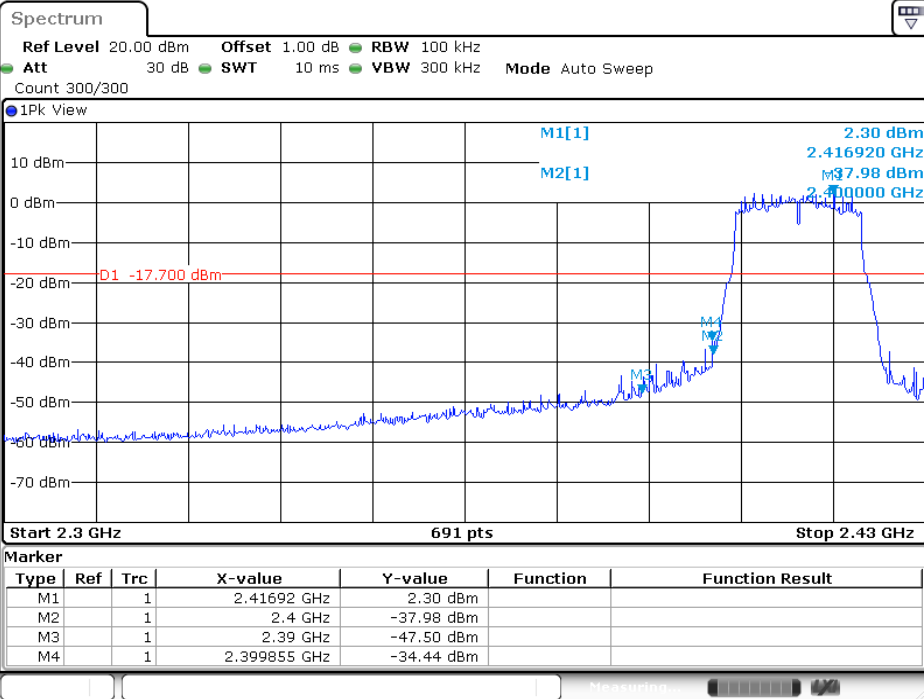
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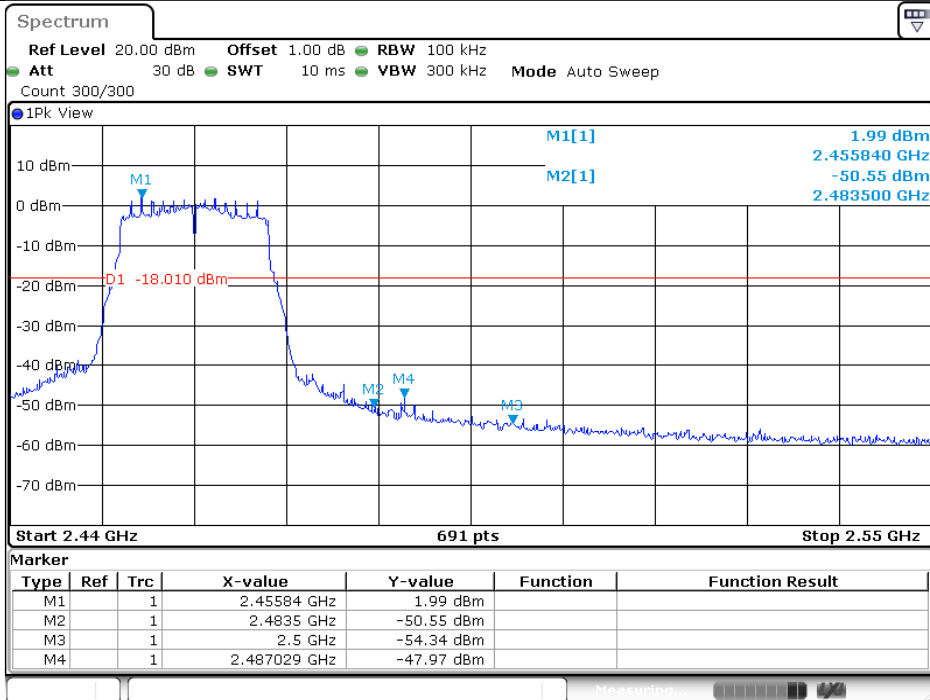
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11N20MIMO Ant2 Low 2412



11N20MIMO Ant1 High 2462

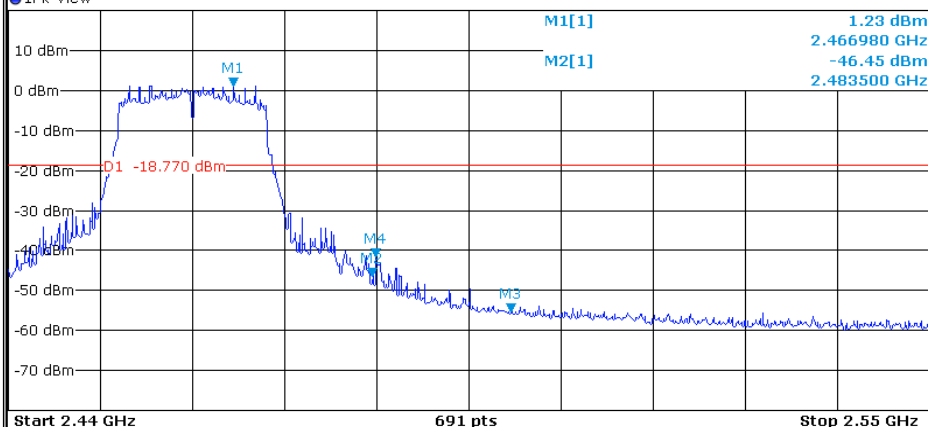


11N20MIMO Ant2 High 2462

Spectrum

Ref Level 20.00 dBm Offset 1.00 dB RBW 100 kHz
Att 30 dB SWT 10 ms VBW 300 kHz Mode Auto Sweep
Count 300/300

1Pk View



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	2.46698 GHz	1.23 dBm		
M2	1	1	2.4835 GHz	-46.45 dBm		
M3	1	1	2.5 GHz	-55.98 dBm		
M4	1	1	2.483841 GHz	-41.56 dBm		

Date: 2 DEC. 2020 11:13:04





Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.61	8.61	---	PASS
			30~1000	8.61	-45.68	<=-11.39	PASS
			1000~26500	8.61	-30.98	<=-11.39	PASS
	Ant2	2412	Reference	8.41	8.41	---	PASS
			30~1000	8.41	-44.94	<=-11.59	PASS
			1000~26500	8.41	-30.95	<=-11.59	PASS
	Ant1	2437	Reference	9.00	9.00	---	PASS
			30~1000	9.00	-45.28	<=-11	PASS
			1000~26500	9.00	-30.94	<=-11	PASS
	Ant2	2437	Reference	8.04	8.04	---	PASS
			30~1000	8.04	-43.67	<=-11.96	PASS
			1000~26500	8.04	-30.6	<=-11.96	PASS
	Ant1	2462	Reference	7.91	7.91	---	PASS
			30~1000	7.91	-46.31	<=-12.09	PASS
			1000~26500	7.91	-30.94	<=-12.09	PASS
	Ant2	2462	Reference	7.80	7.80	---	PASS
			30~1000	7.80	-44.78	<=-12.2	PASS
			1000~26500	7.80	-30.67	<=-12.2	PASS
11G	Ant1	2412	Reference	4.67	4.67	---	PASS
			30~1000	4.67	-45.23	<=-15.33	PASS
			1000~26500	4.67	-31.1	<=-15.33	PASS
	Ant2	2412	Reference	4.39	4.39	---	PASS
			30~1000	4.39	-45.55	<=-15.61	PASS
			1000~26500	4.39	-30.84	<=-15.61	PASS
	Ant1	2437	Reference	4.62	4.62	---	PASS
			30~1000	4.62	-45.88	<=-15.38	PASS
			1000~26500	4.62	-30.56	<=-15.38	PASS
	Ant2	2437	Reference	4.18	4.18	---	PASS
			30~1000	4.18	-45.89	<=-15.82	PASS



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	Ant1	2462	1000~26500	4.18	-30.71	<=-15.82	PASS
			Reference	4.05	4.05	---	PASS
			30~1000	4.05	-45.85	<=-15.95	PASS
			1000~26500	4.05	-30.81	<=-15.95	PASS
	Ant2	2462	Reference	3.64	3.64	---	PASS
			30~1000	3.64	-46.05	<=-16.36	PASS
			1000~26500	3.64	-30.35	<=-16.36	PASS
11N20SISO	Ant1	2412	Reference	3.88	3.88	---	PASS
			30~1000	3.88	-45.06	<=-16.12	PASS
			1000~26500	3.88	-30.1	<=-16.12	PASS
	Ant2	2412	Reference	3.73	3.73	---	PASS
			30~1000	3.73	-45.27	<=-16.27	PASS
			1000~26500	3.73	-30.48	<=-16.27	PASS
	Ant1	2437	Reference	3.89	3.89	---	PASS
			30~1000	3.89	-45.33	<=-16.11	PASS
			1000~26500	3.89	-30.96	<=-16.11	PASS
	Ant2	2437	Reference	3.15	3.15	---	PASS
			30~1000	3.15	-45.72	<=-16.85	PASS
			1000~26500	3.15	-30.12	<=-16.85	PASS
	Ant1	2462	Reference	3.32	3.32	---	PASS
			30~1000	3.32	-45.77	<=-16.68	PASS
			1000~26500	3.32	-30.92	<=-16.68	PASS
	Ant2	2462	Reference	2.97	2.97	---	PASS
			30~1000	2.97	-45.53	<=-17.03	PASS
			1000~26500	2.97	-30.28	<=-17.03	PASS
11G-CDD	Ant1	2412	Reference	3.39	3.39	---	PASS
			30~1000	3.39	-45.43	<=-16.61	PASS
			1000~26500	3.39	-30.83	<=-16.61	PASS
	Ant2	2412	Reference	2.98	2.98	---	PASS
			30~1000	2.98	-45.32	<=-17.02	PASS
			1000~26500	2.98	-30.55	<=-17.02	PASS
	Ant1	2437	Reference	2.81	2.81	---	PASS
			30~1000	2.81	-43.25	<=-17.19	PASS



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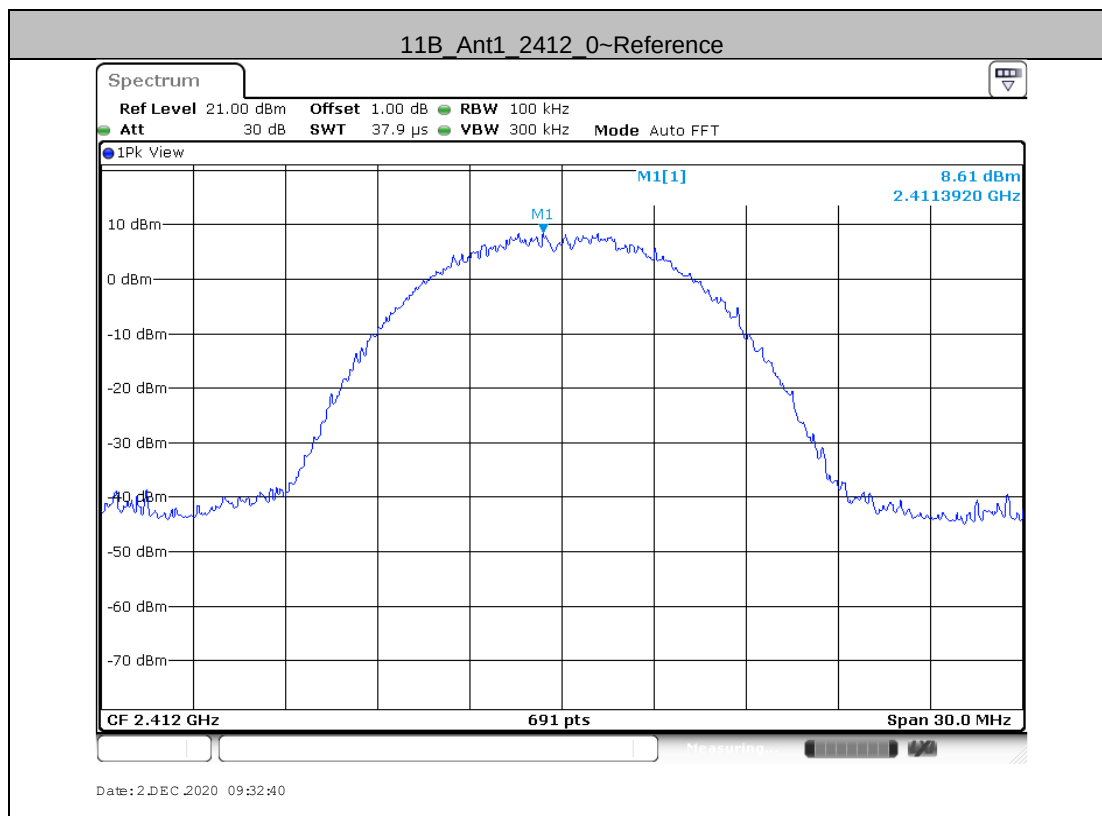
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			30~1000	2.87	-44.95	<=-17.13	PASS
			1000~26500	2.87	-29.47	<=-17.13	PASS
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			30~1000	2.78	-45.9	<=-17.22	PASS
			1000~26500	2.78	-30.58	<=-17.22	PASS
	Ant2	2462	Reference	2.15	2.15	---	PASS
			30~1000	2.15	-44.87	<=-17.85	PASS
			1000~26500	2.15	-30.27	<=-17.85	PASS
11N20MIM O	Ant1	2412	Reference	2.30	2.30	---	PASS
			30~1000	2.30	-45.41	<=-17.7	PASS
			1000~26500	2.30	-31.06	<=-17.7	PASS
	Ant2	2412	Reference	2.51	2.51	---	PASS
			30~1000	2.51	-45.57	<=-17.49	PASS
			1000~26500	2.51	-30.5	<=-17.49	PASS
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			30~1000	2.29	-44.55	<=-17.71	PASS
			1000~26500	2.29	-31.05	<=-17.71	PASS
	Ant2	2437	Reference	2.10	2.10	---	PASS
			30~1000	2.10	-44.97	<=-17.9	PASS
			1000~26500	2.10	-31.29	<=-17.9	PASS
	Ant1	2462	Reference	2.01	2.01	---	PASS
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			1000~26500	2.01	-30.37	<=-17.99	PASS
	Ant2	2462	Reference	1.62	1.62	---	PASS
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			1000~26500	1.62	-30.47	<=-18.38	PASS

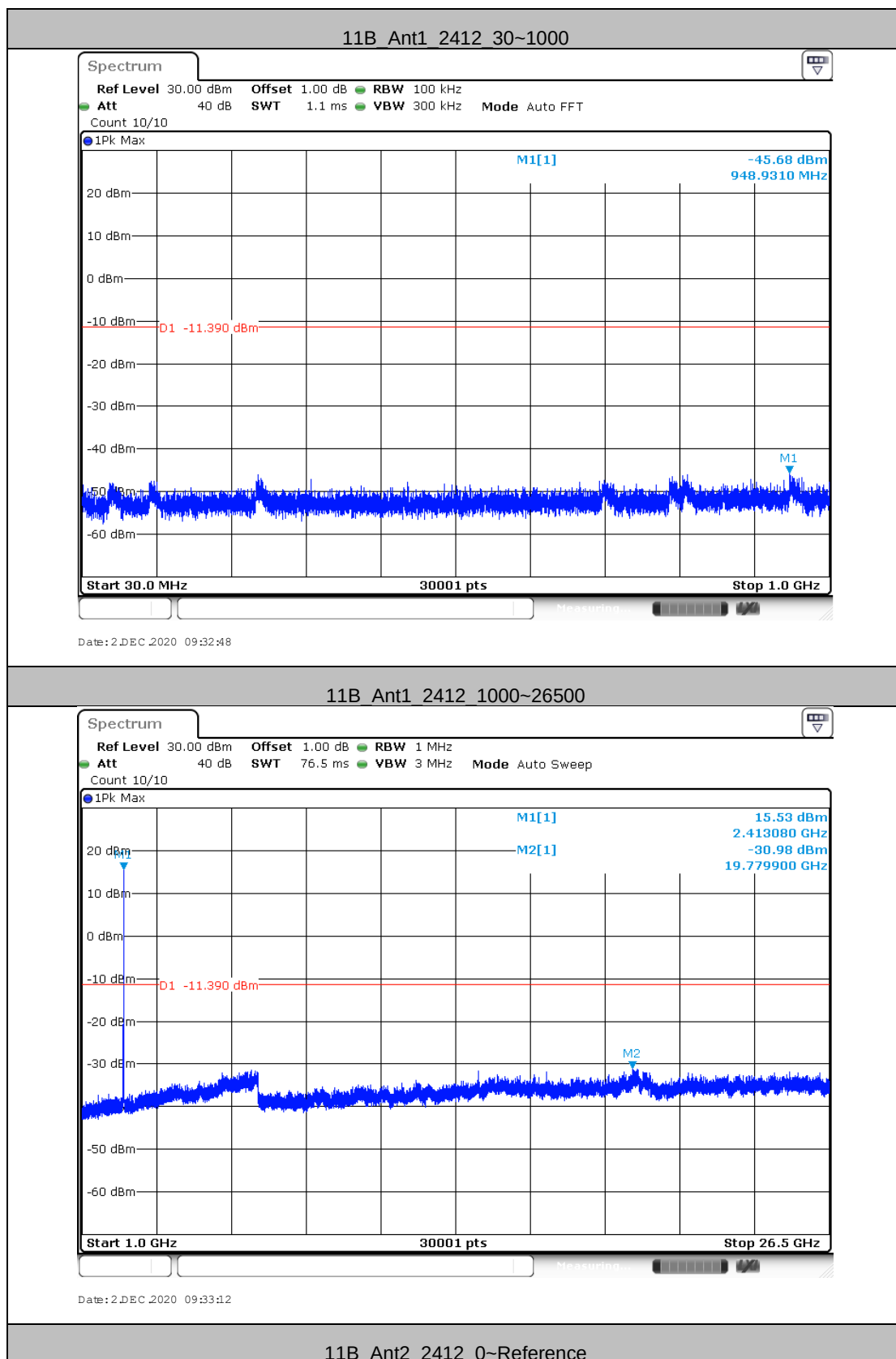


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Test Graphs





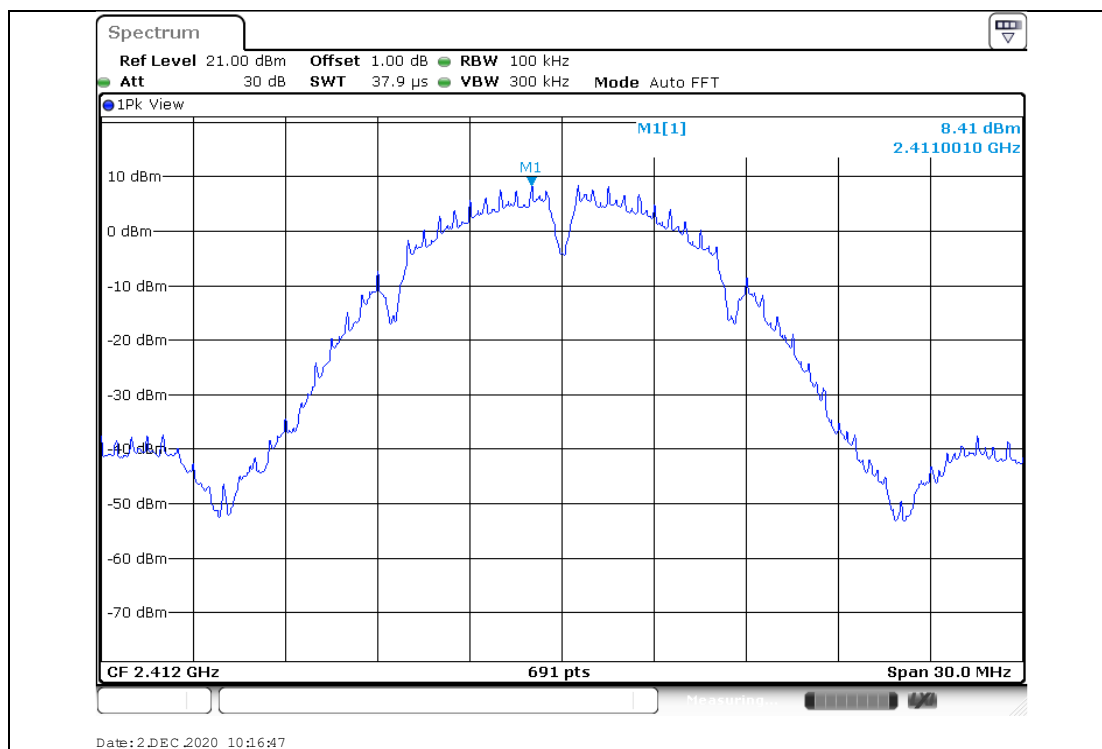
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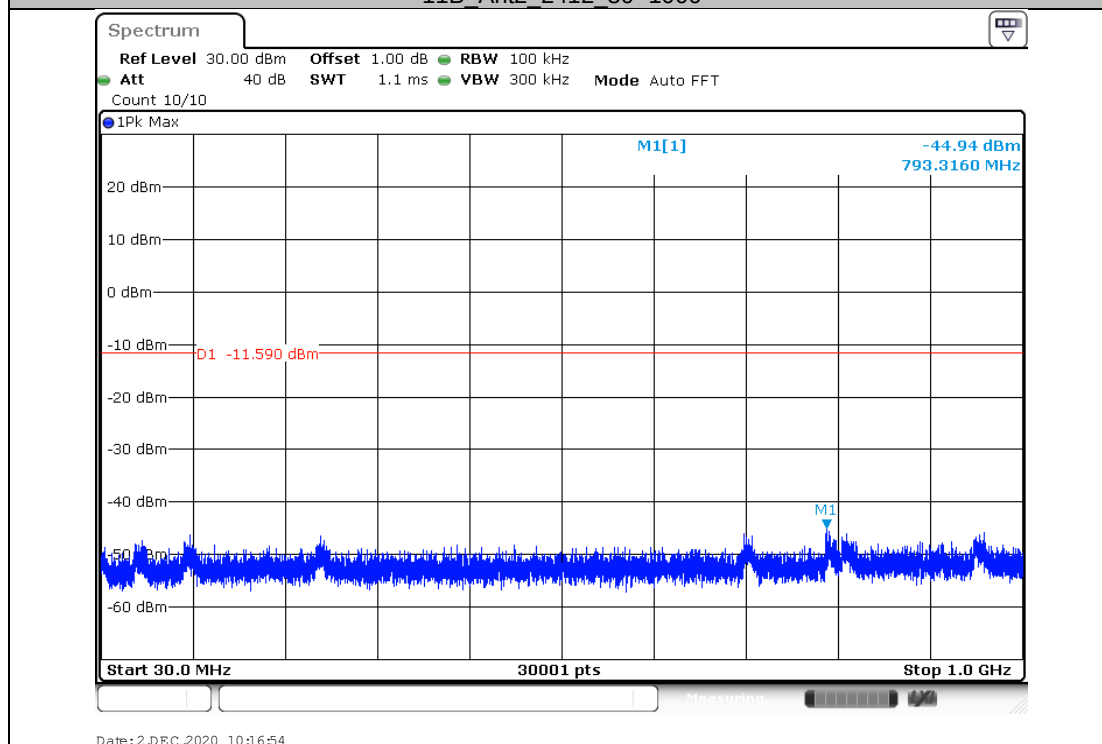
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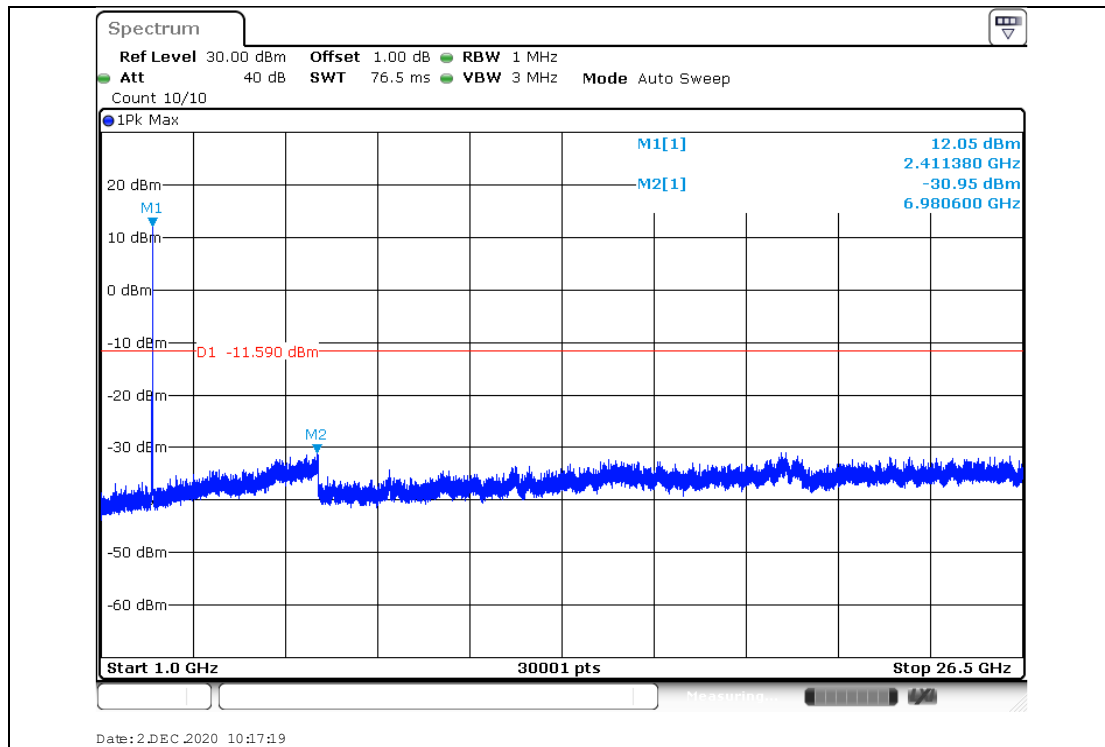


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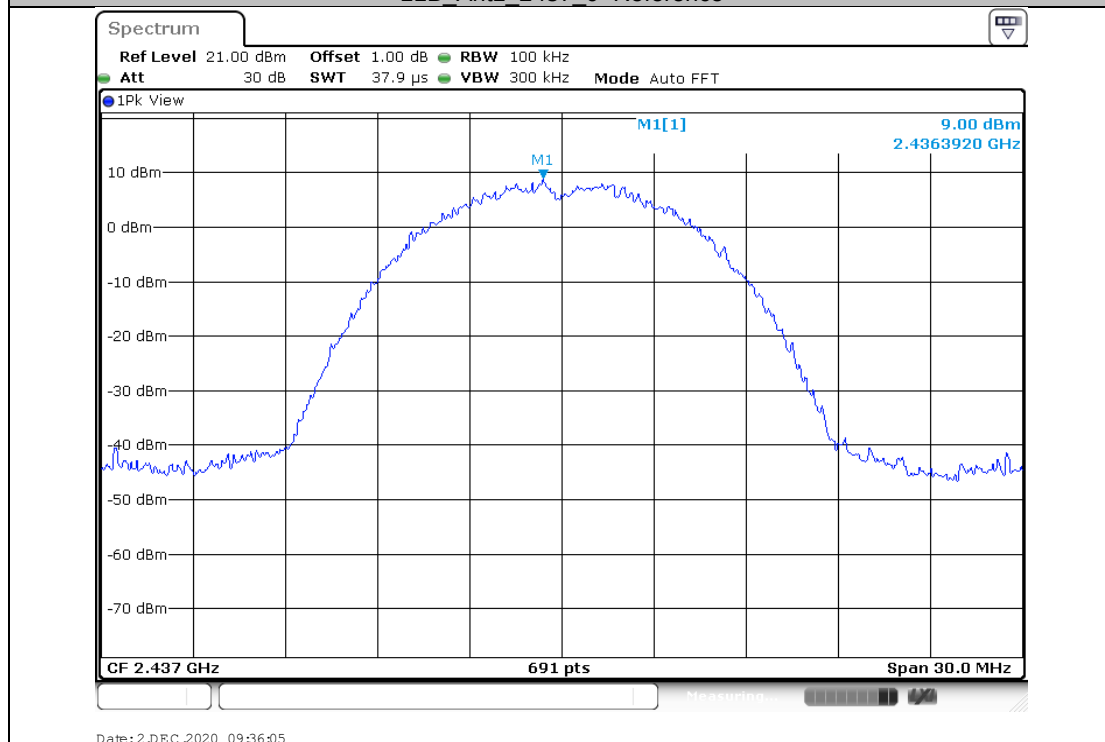


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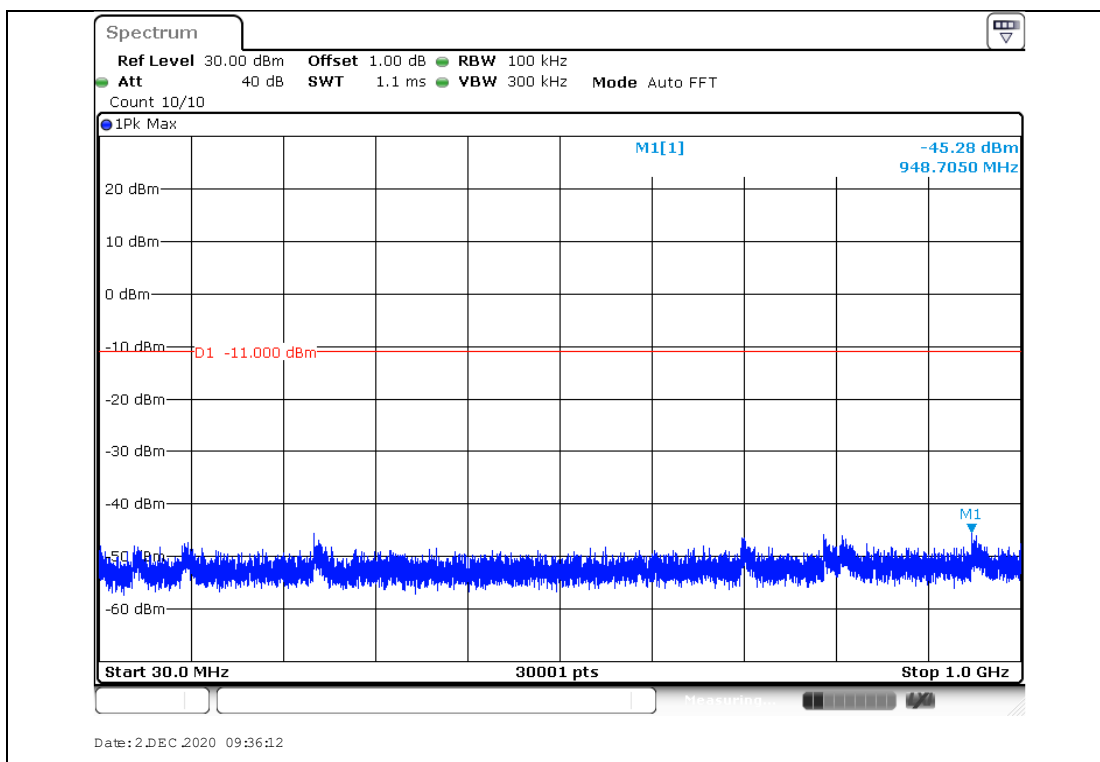


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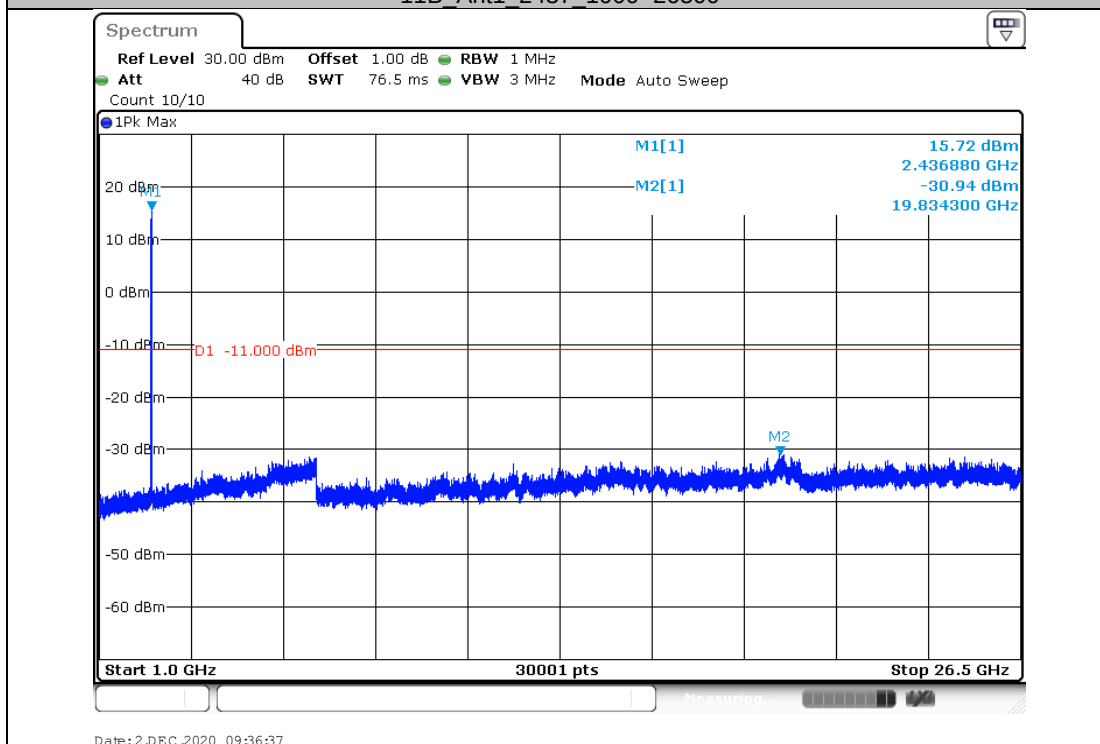


11B_Ant1_2437_30-1000





11B_Ant1_2437_1000~26500

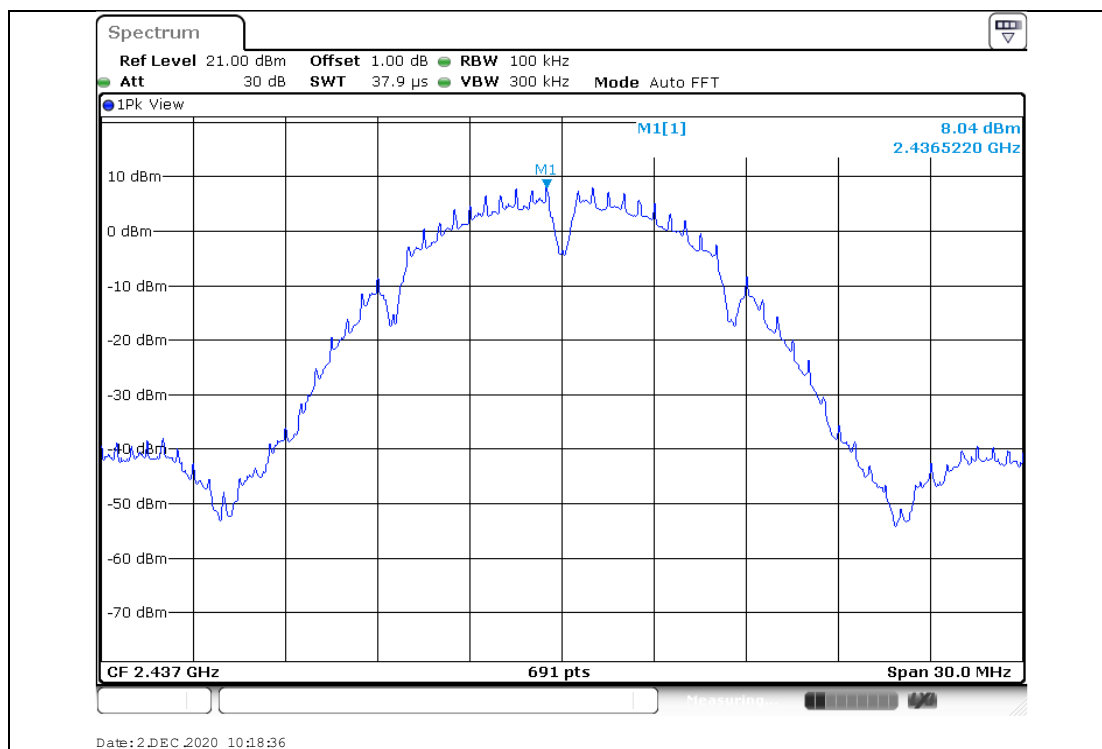


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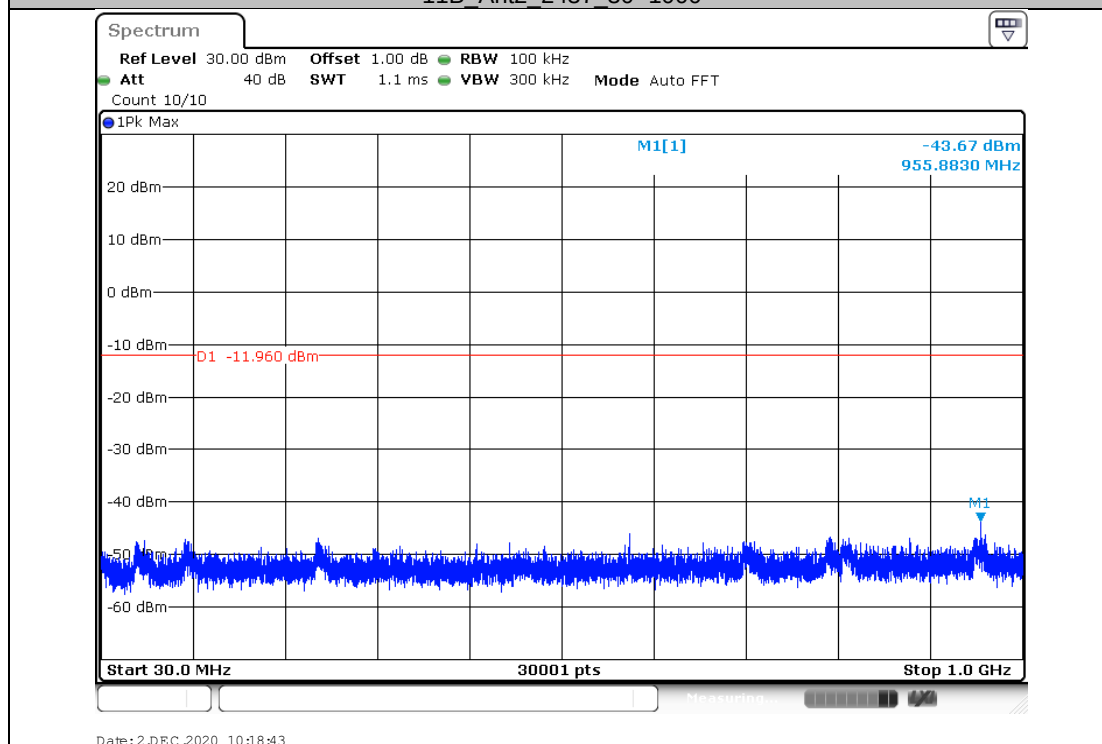


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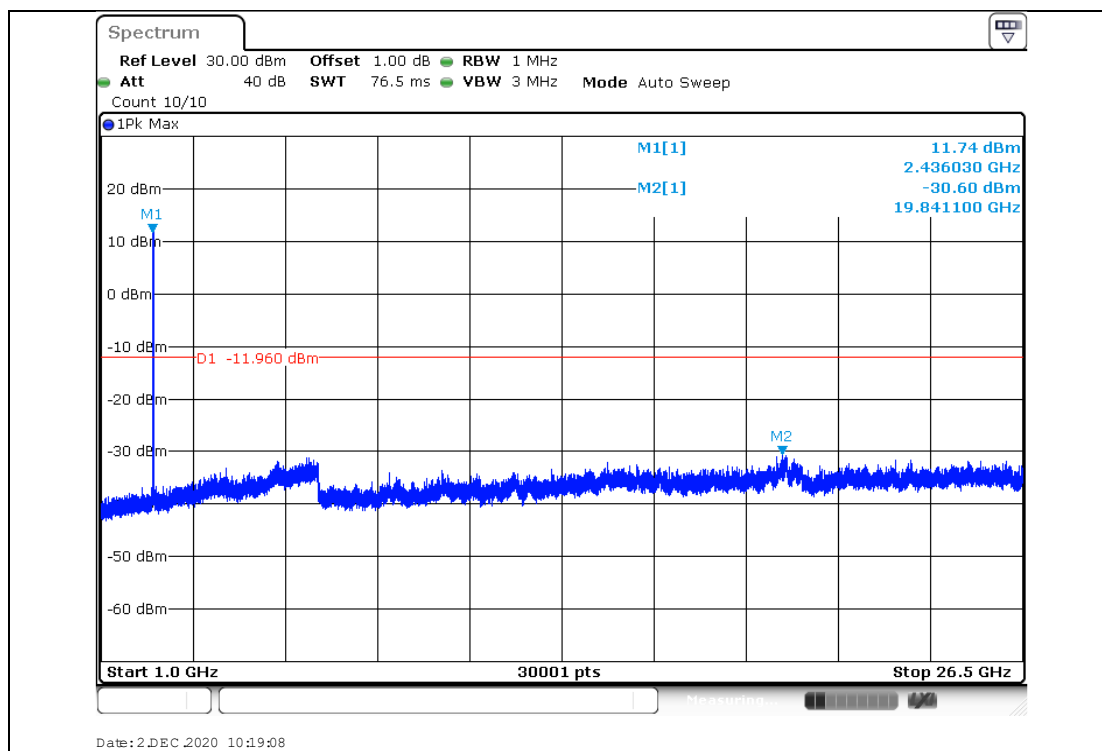


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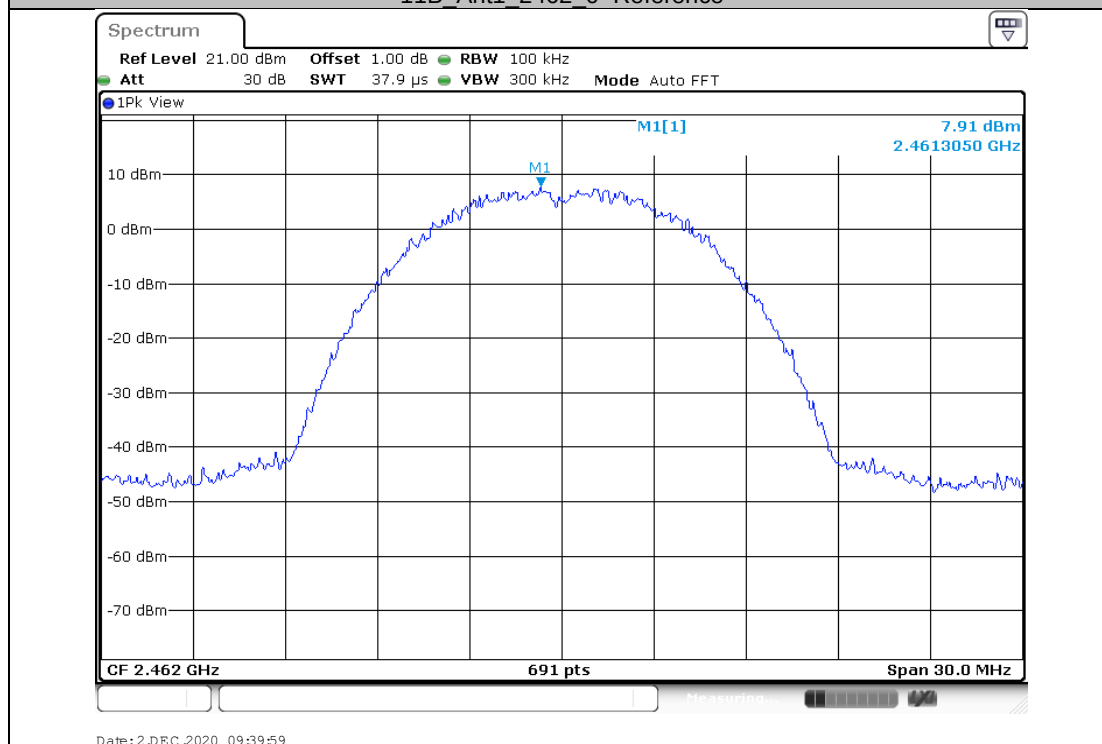


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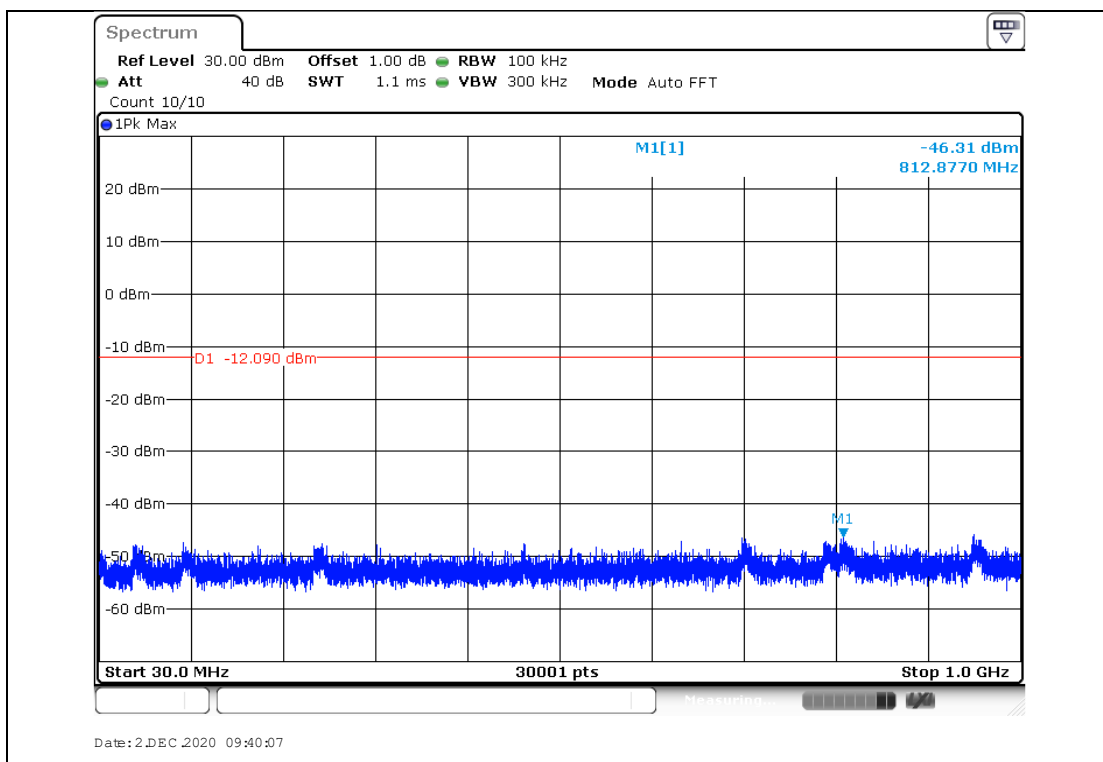


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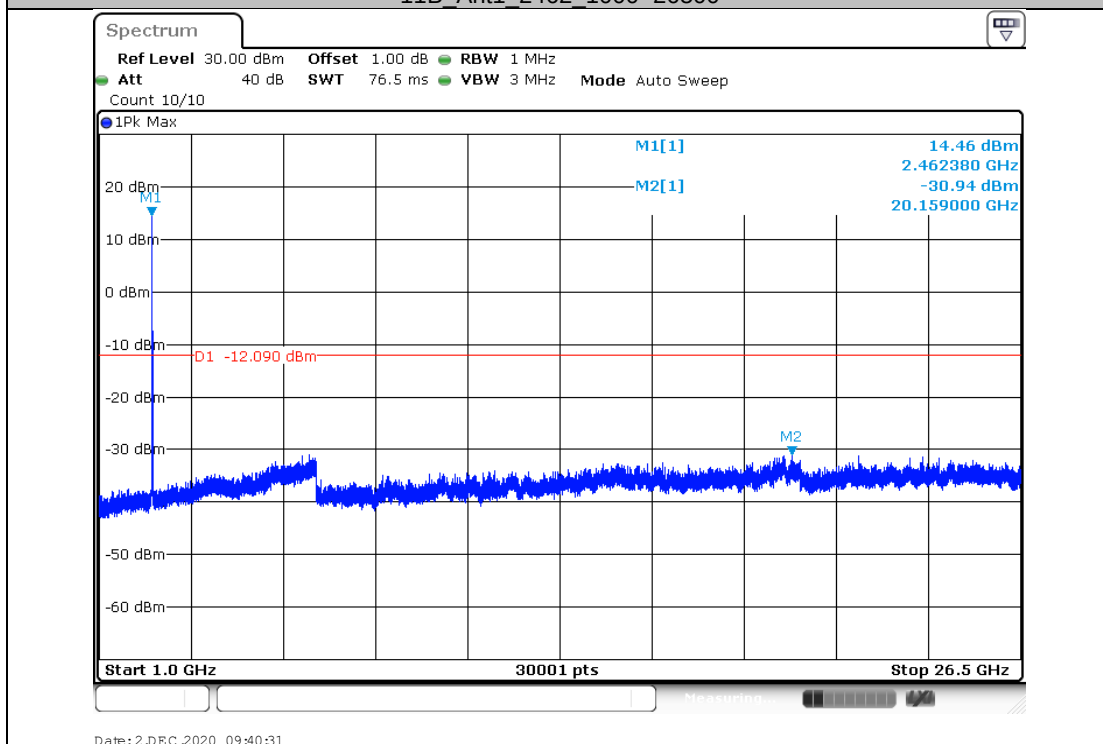


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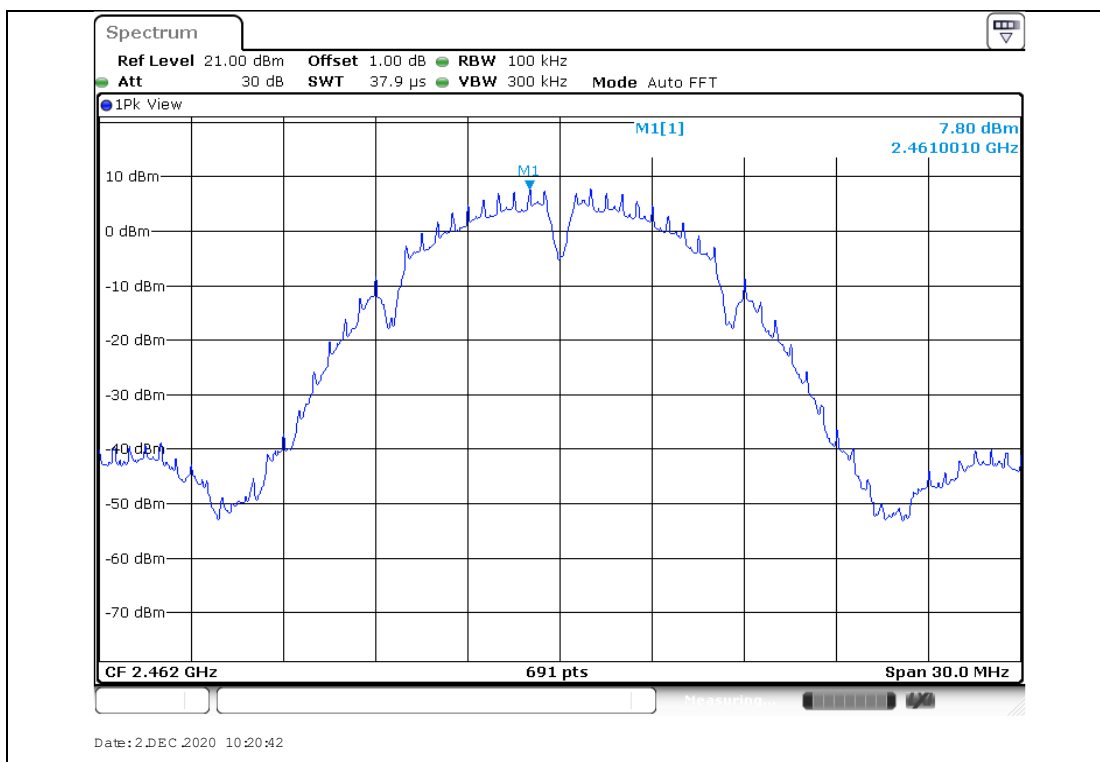


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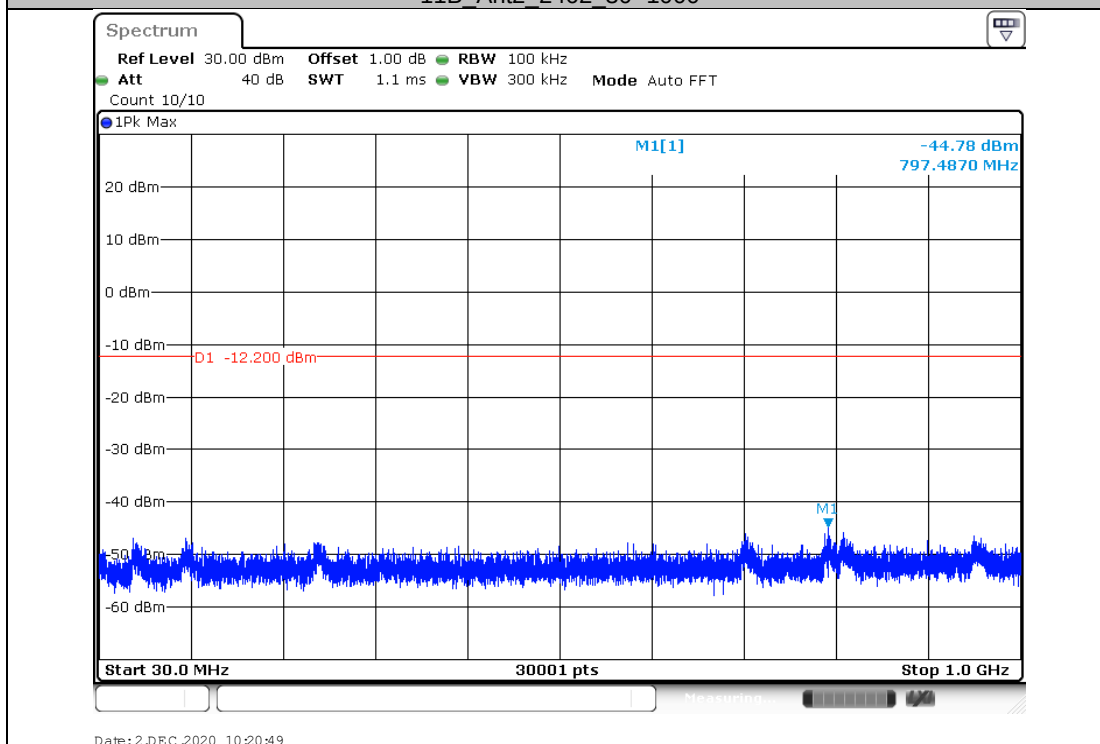


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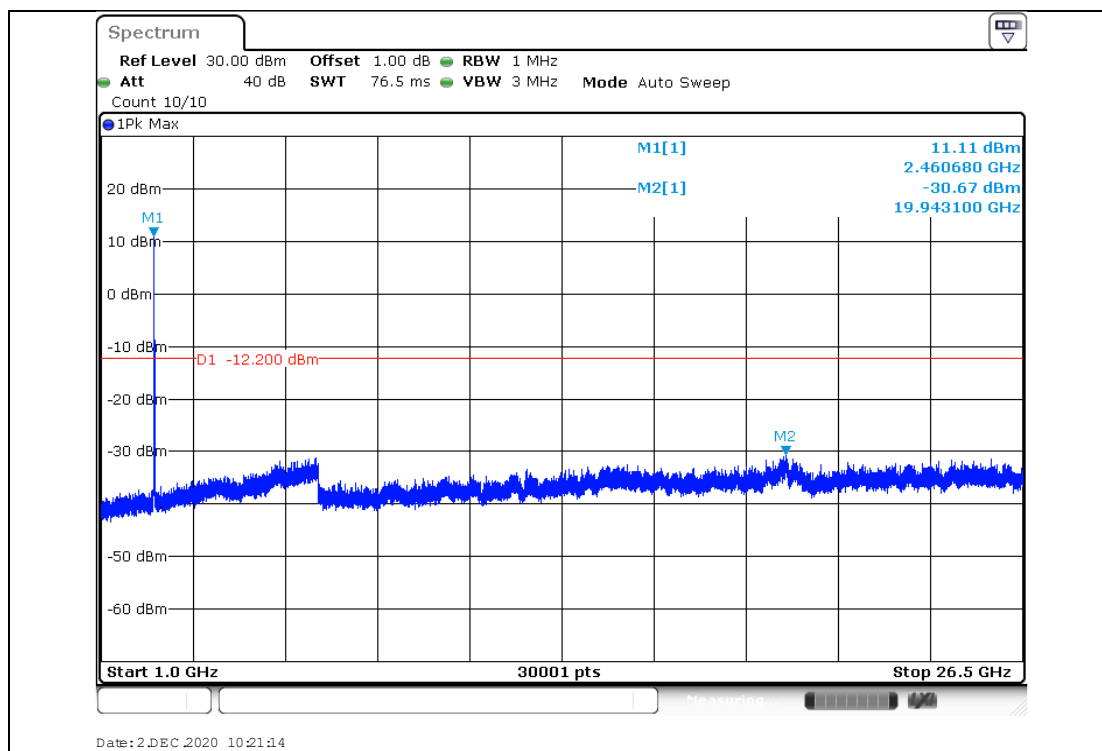


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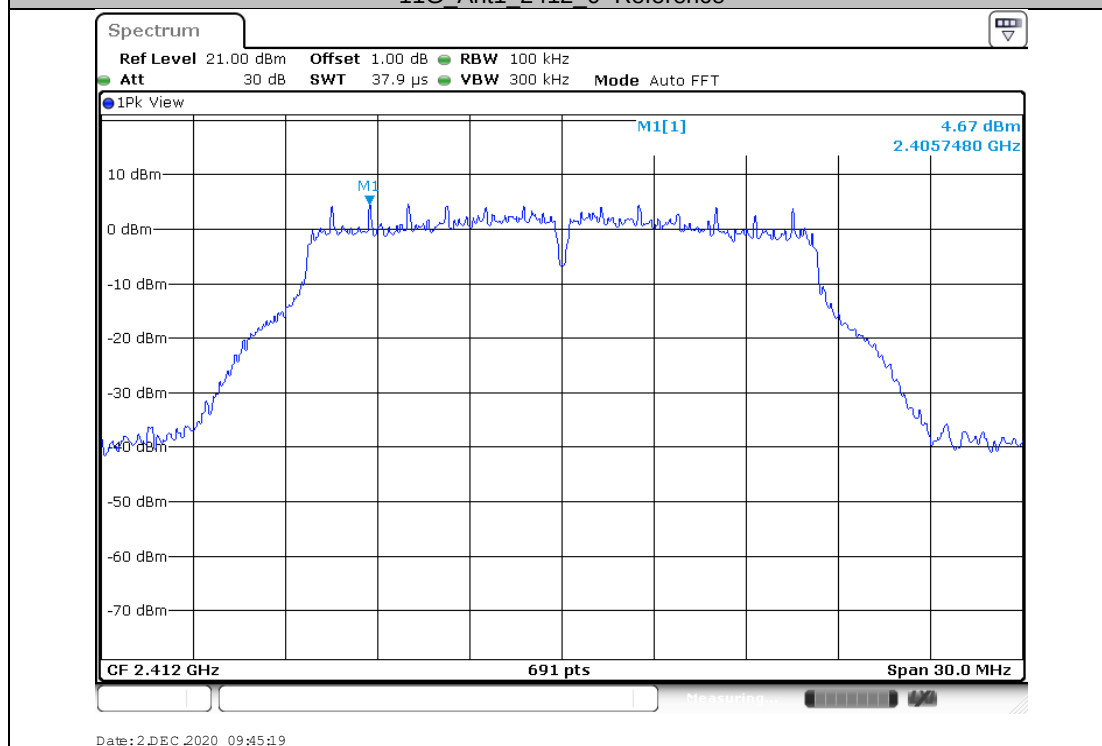


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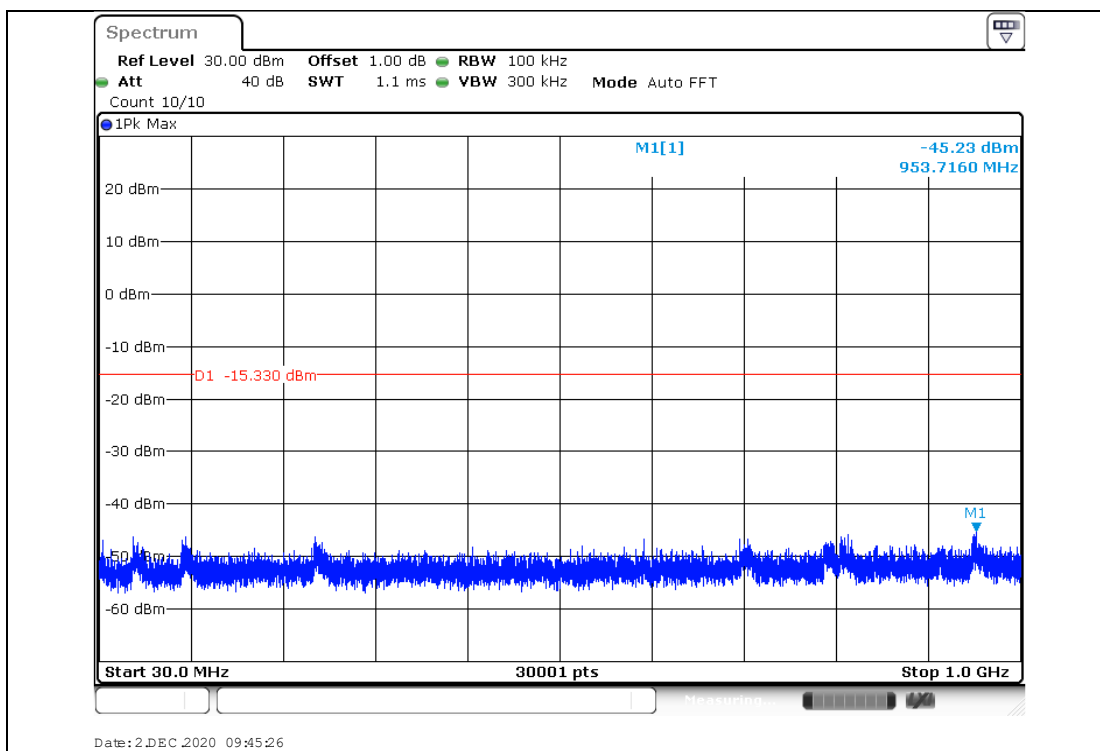


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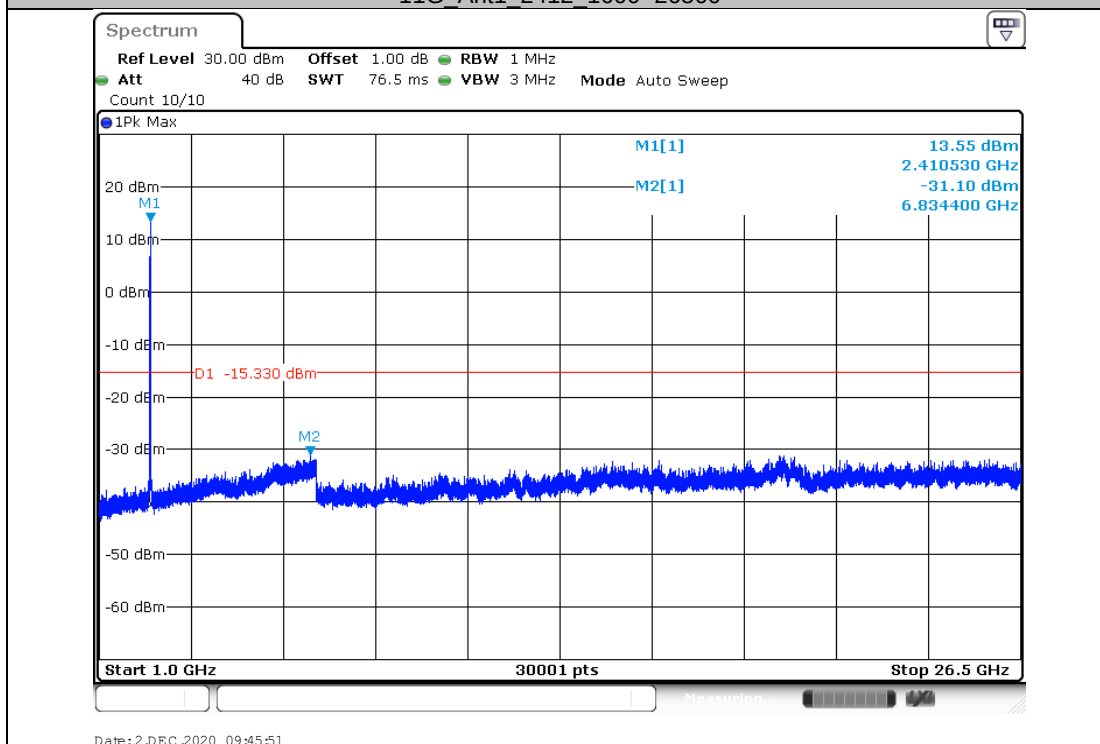


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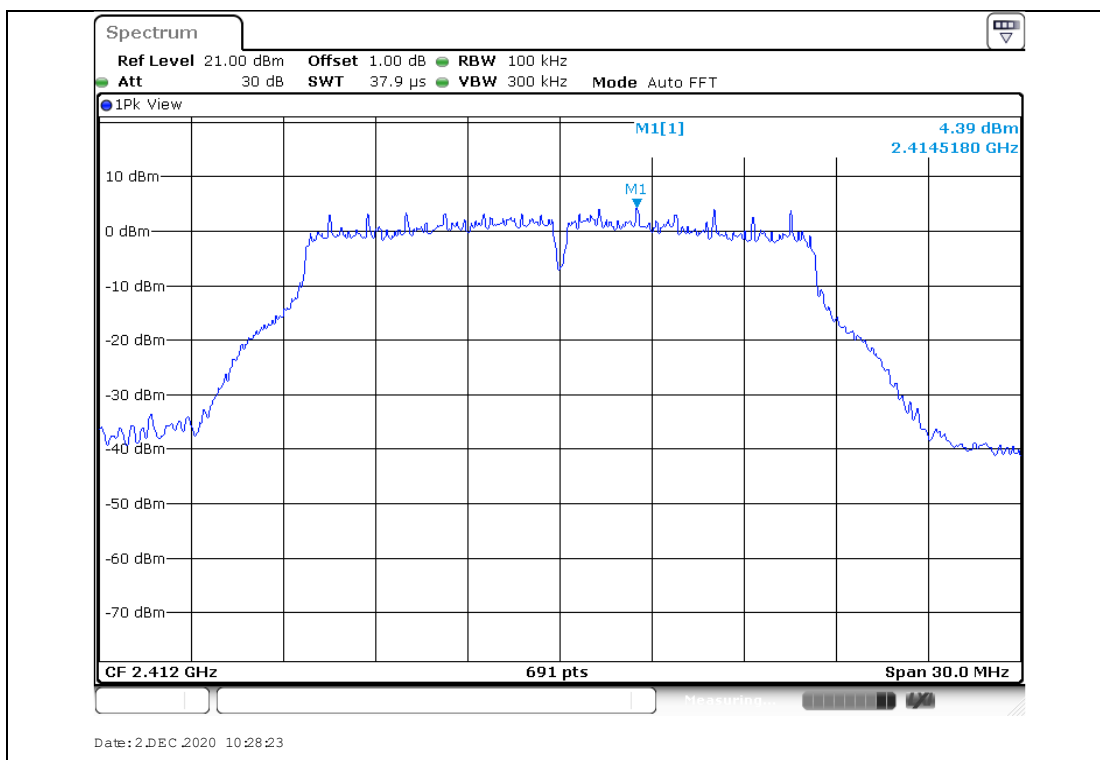


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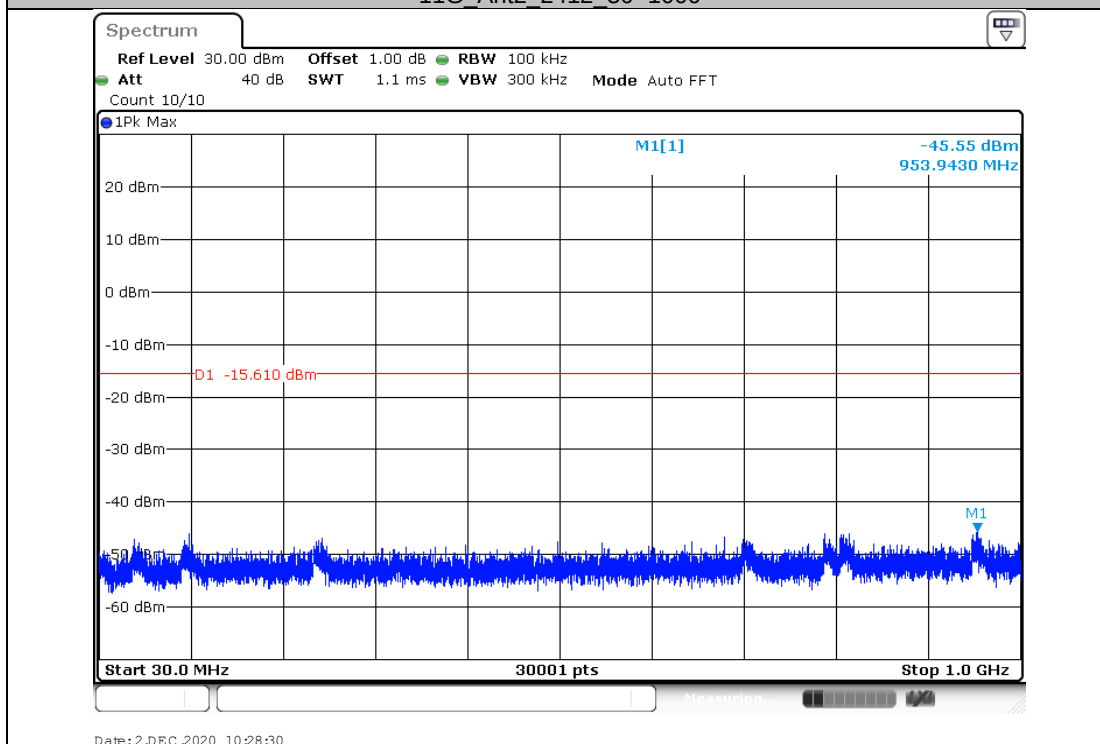


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11G Ant2 2412 30~1000

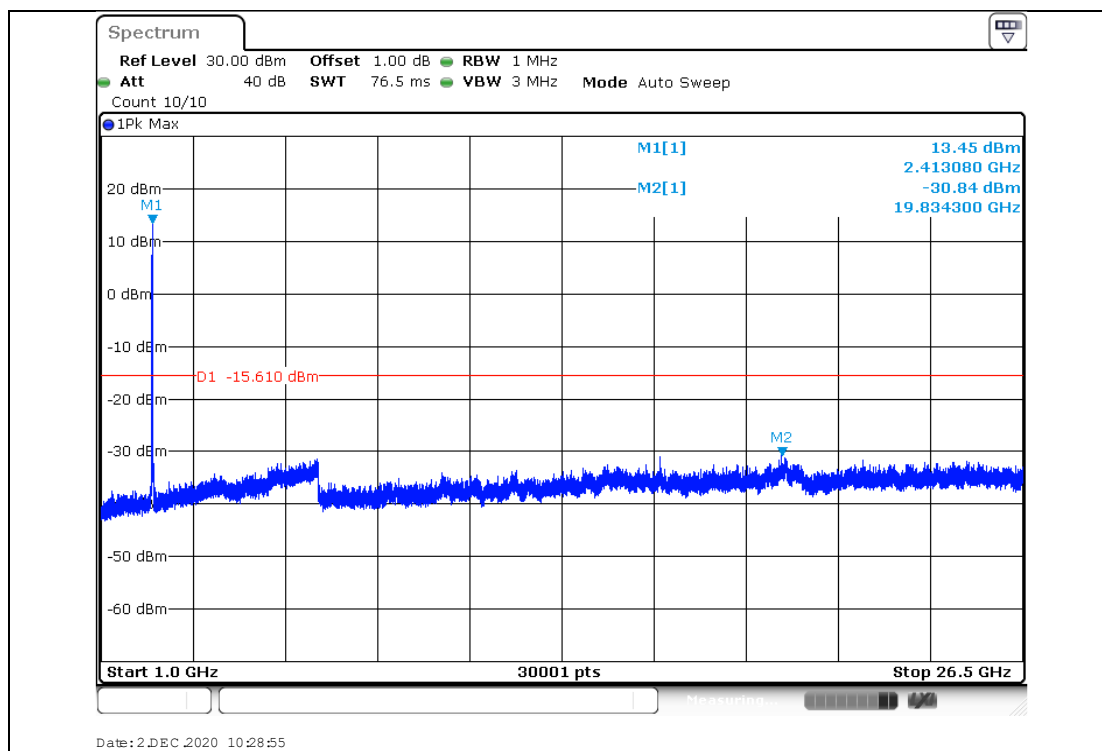


11G Ant2 2412 1000~26500

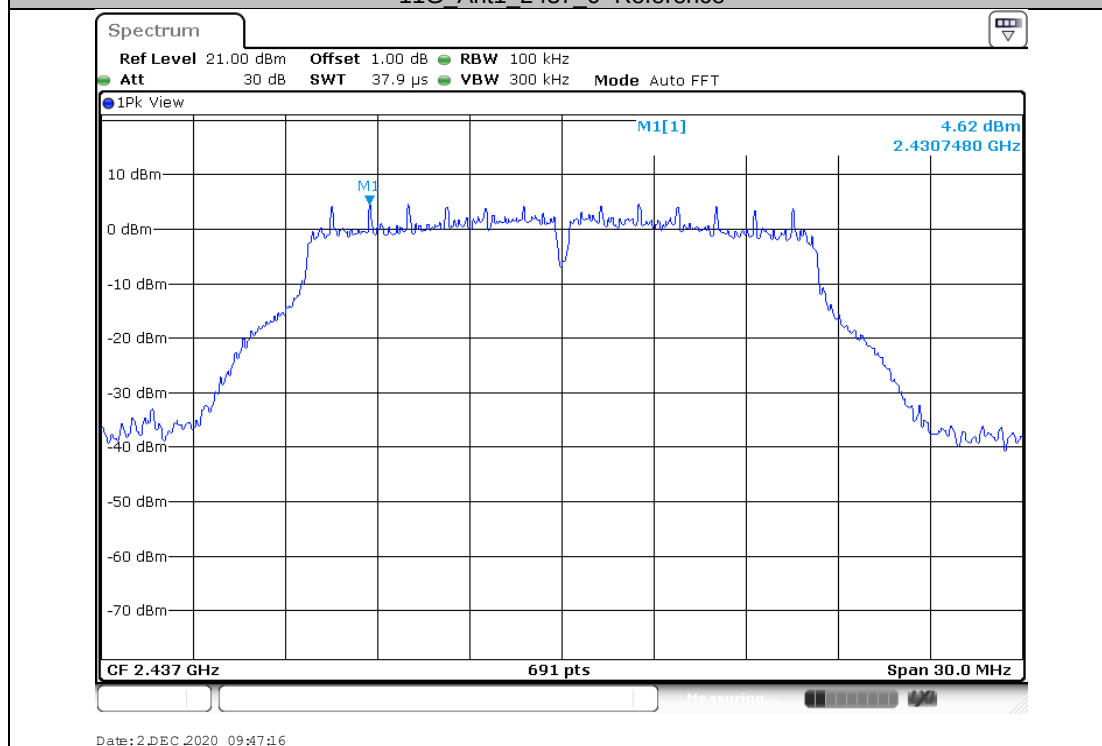


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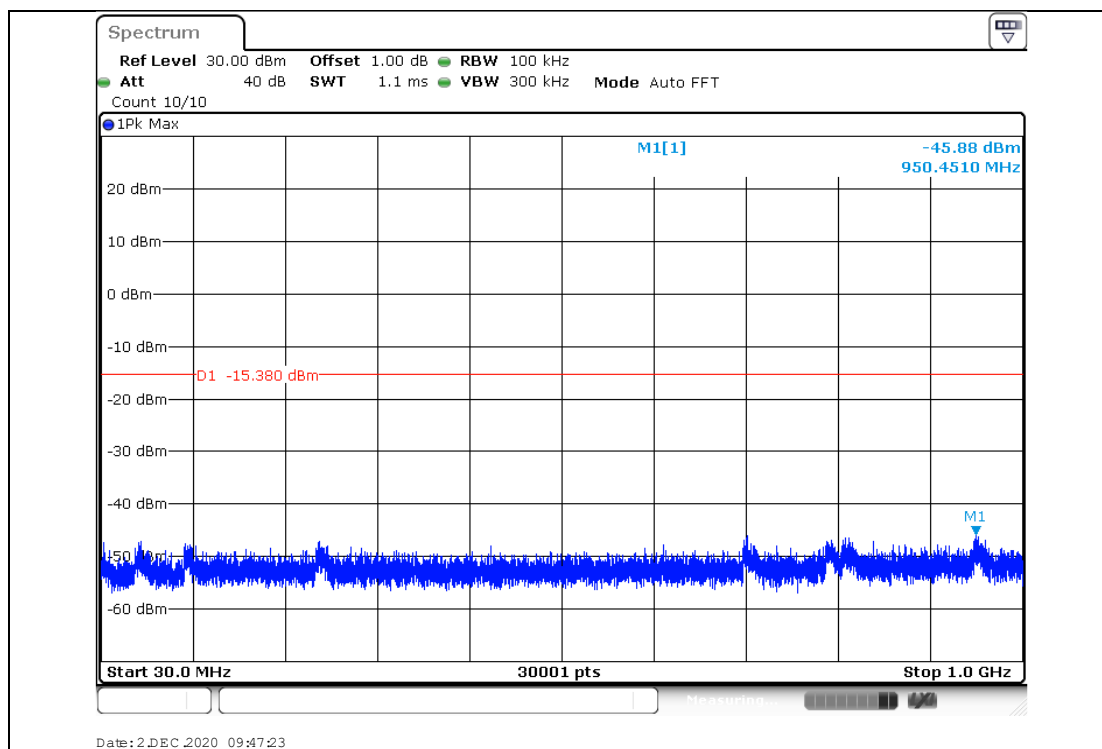


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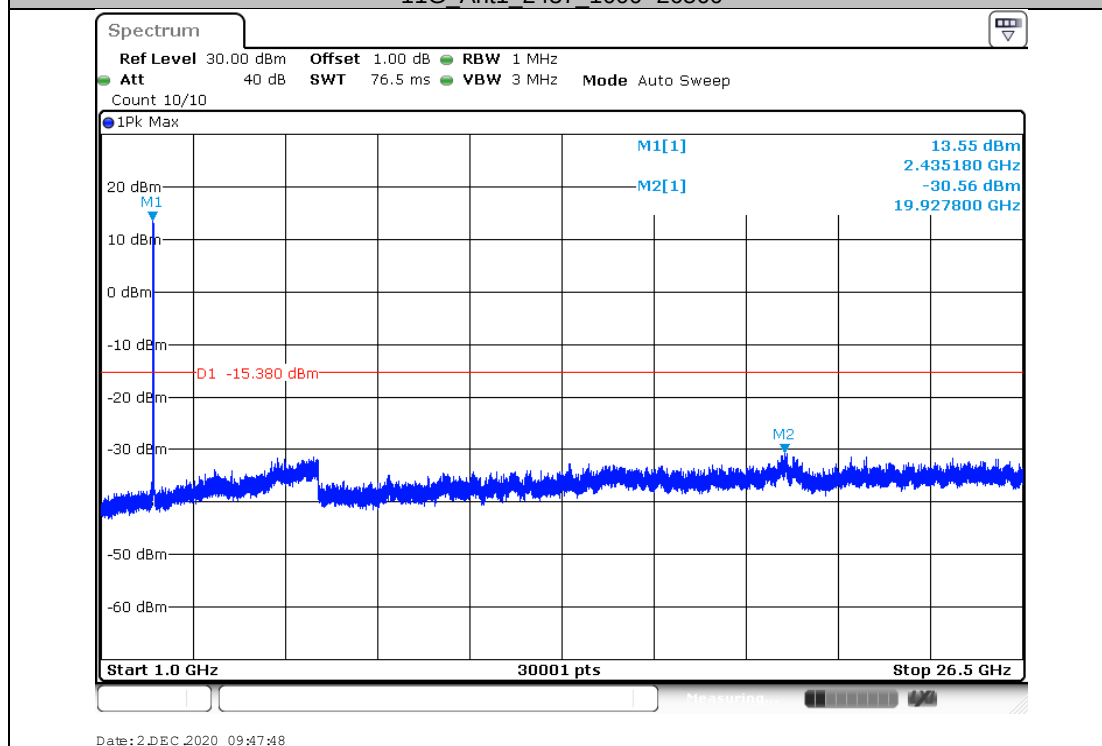


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11G_Ant1_2437_1000~26500

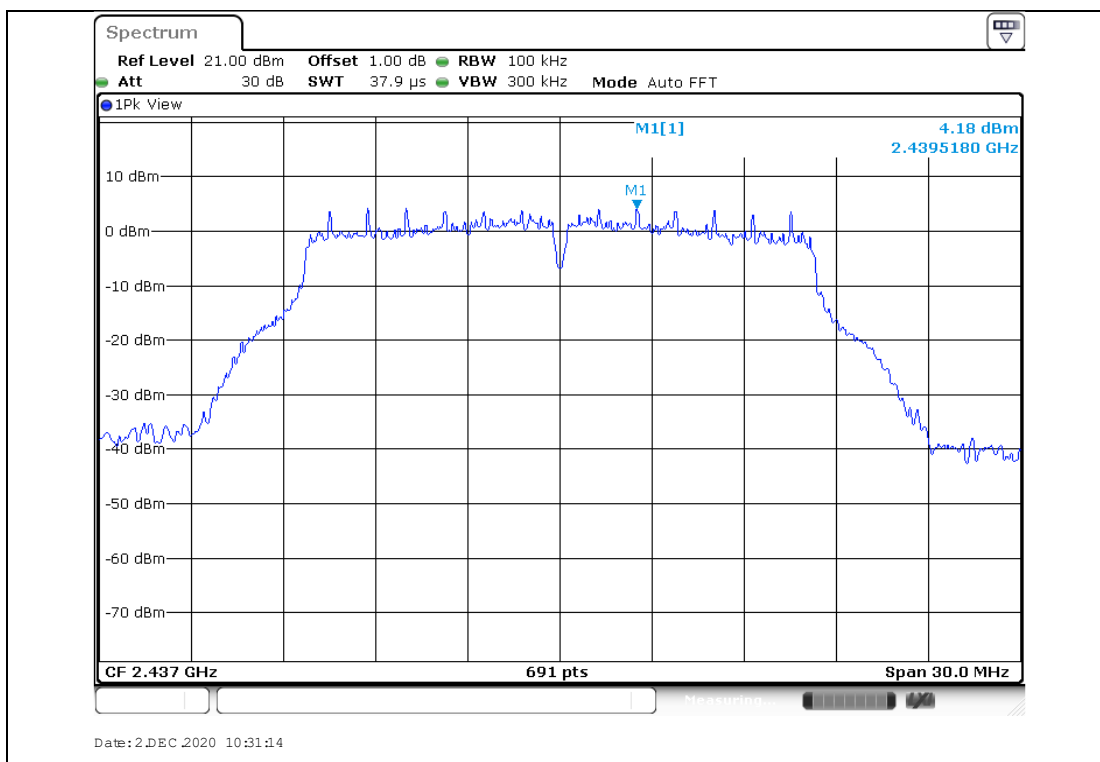


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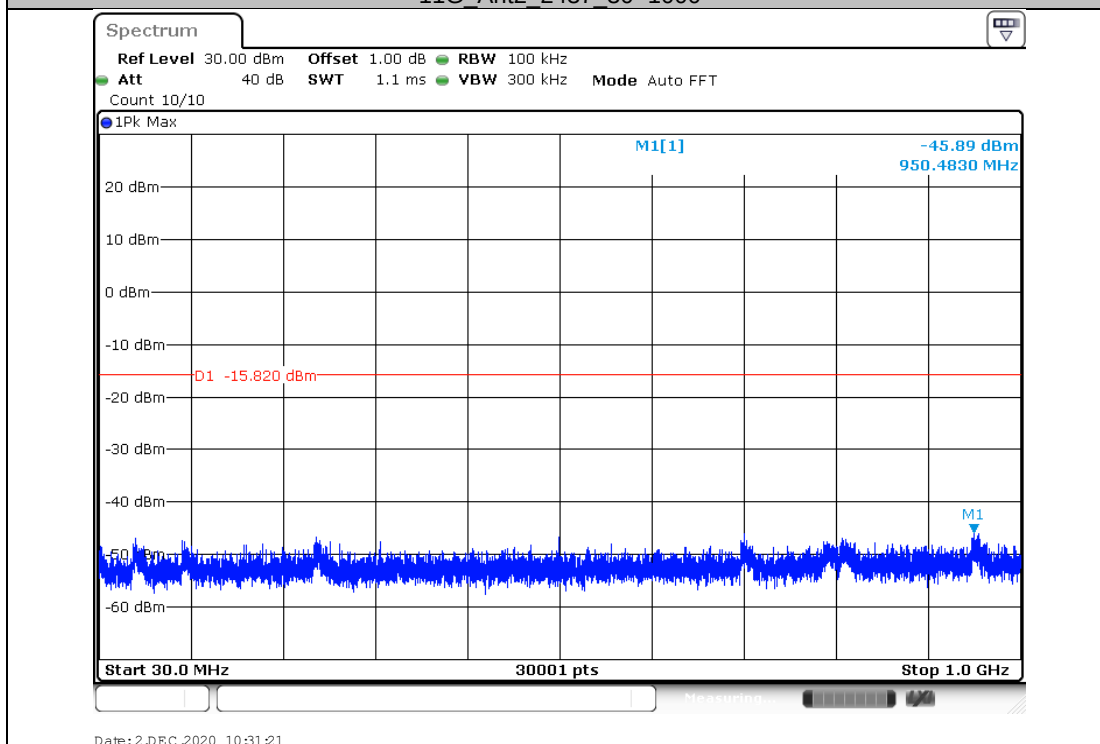


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11G Ant2 2437_30~1000

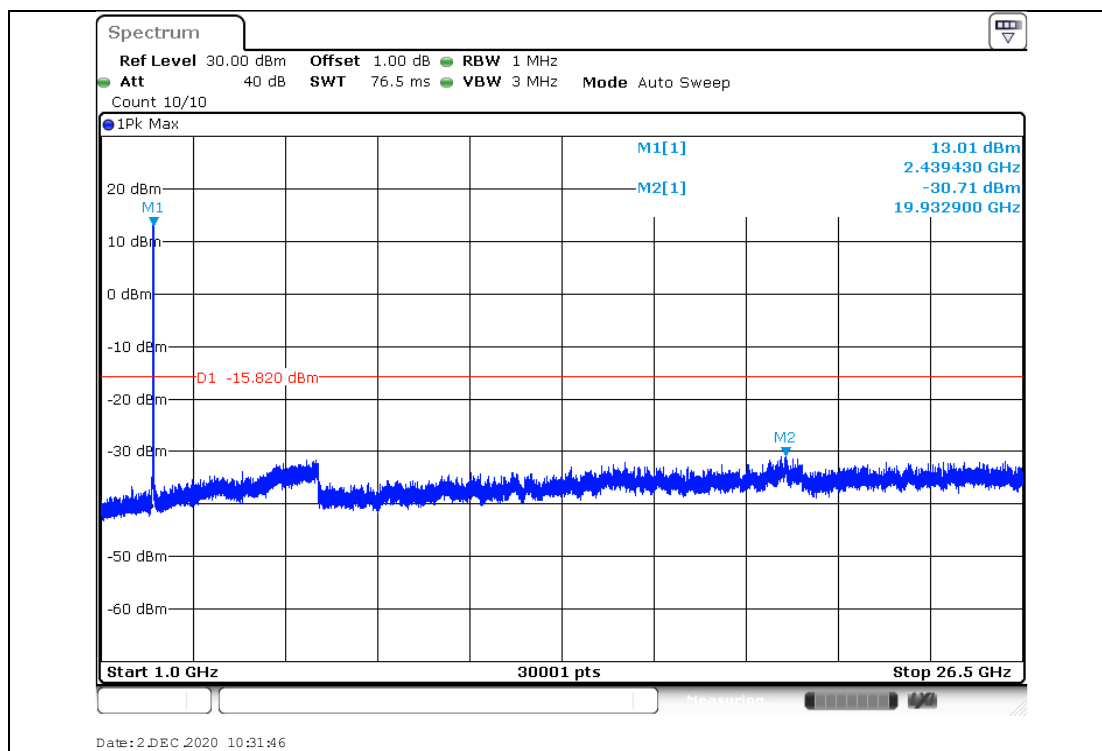


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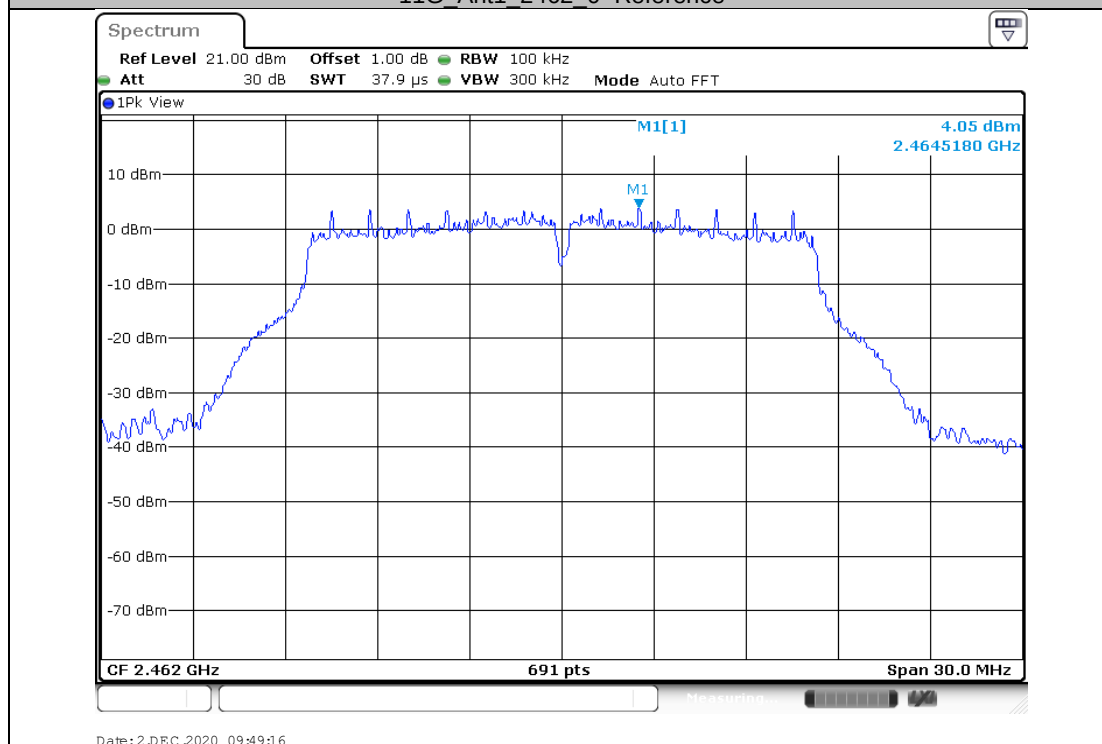


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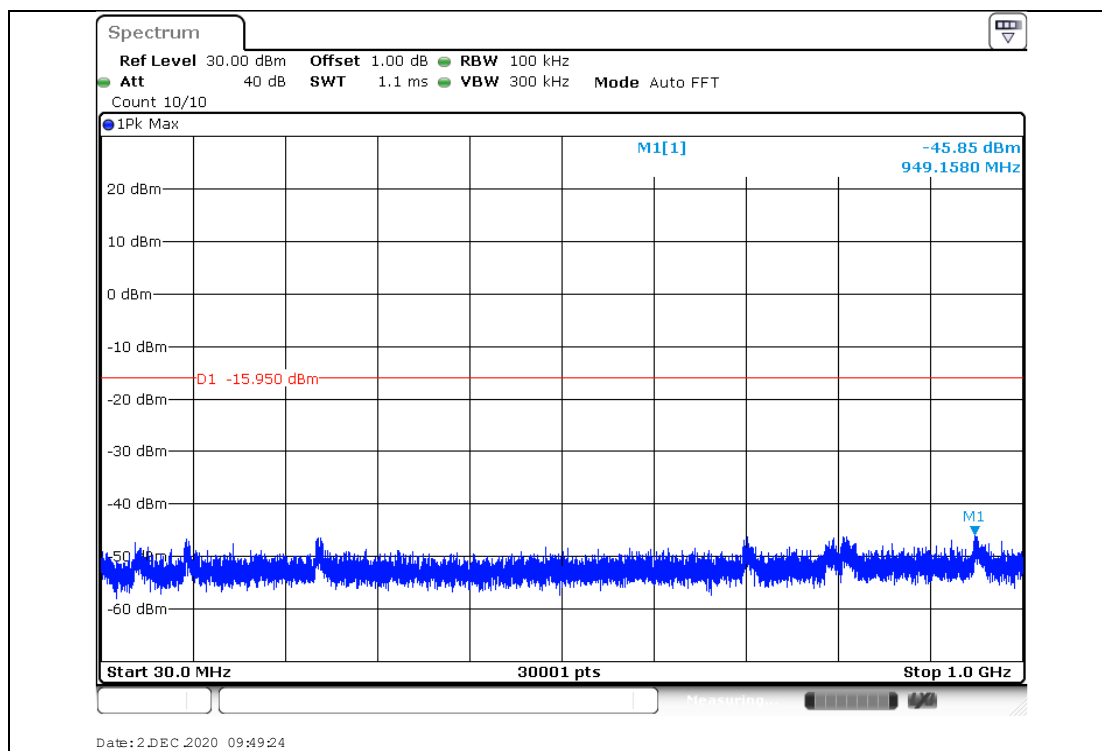


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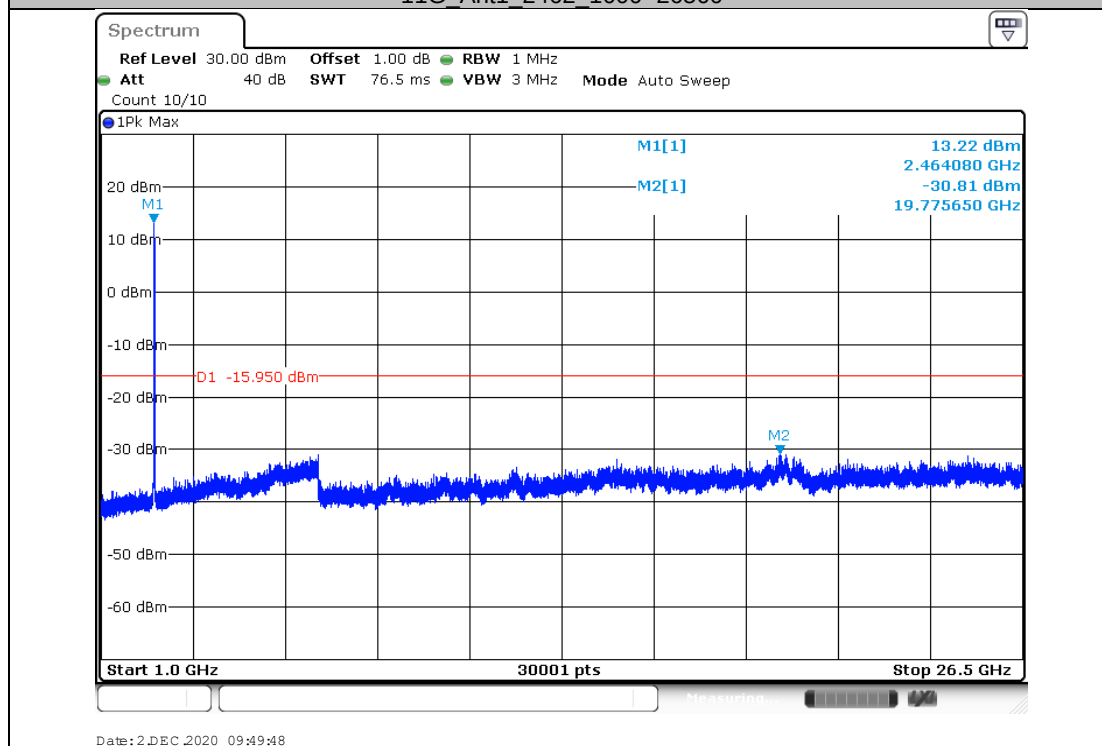


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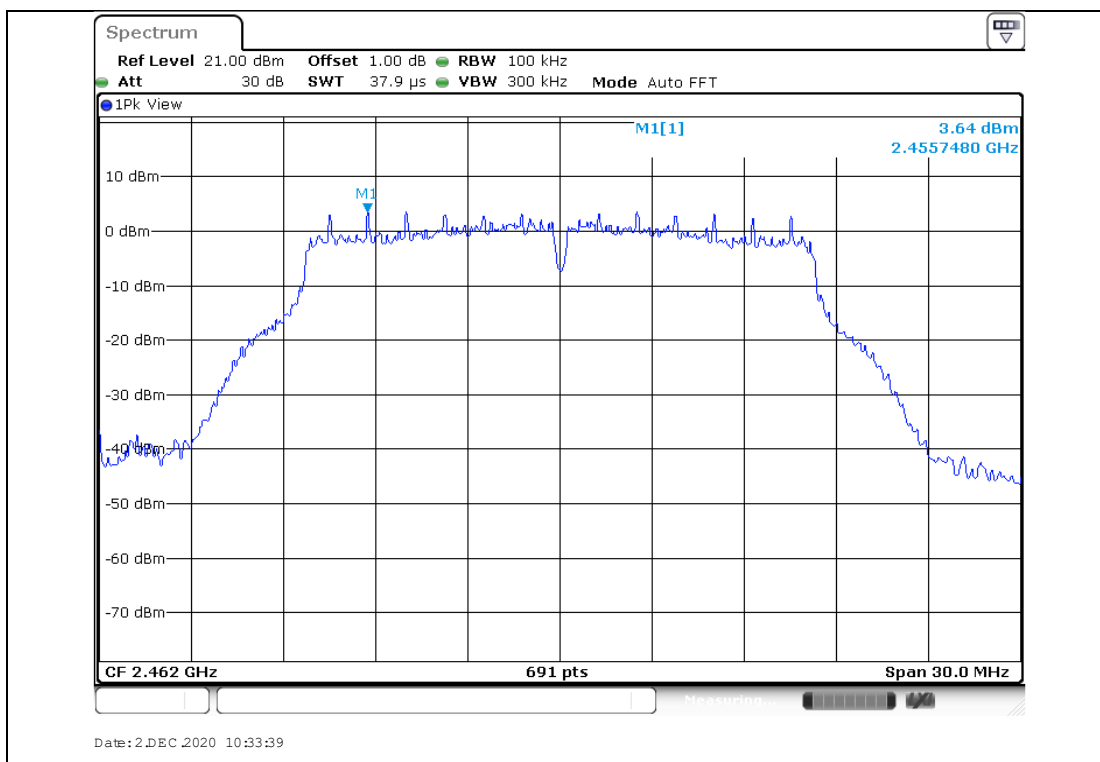


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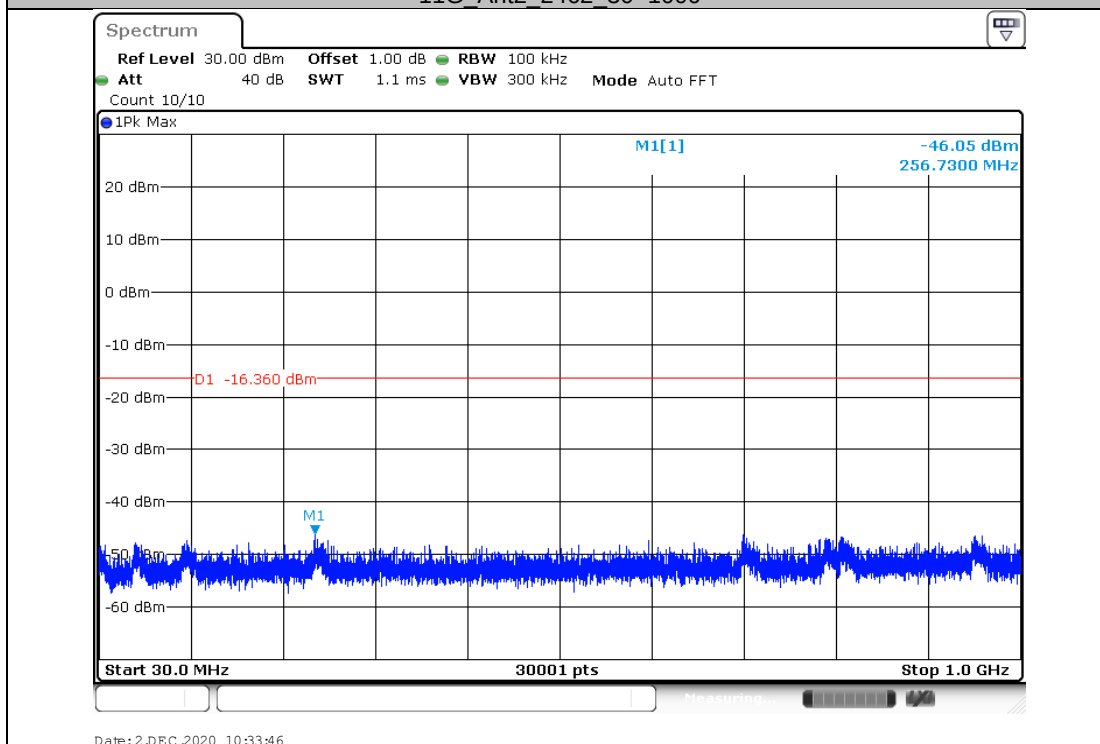


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11G Ant2_2462_30~1000

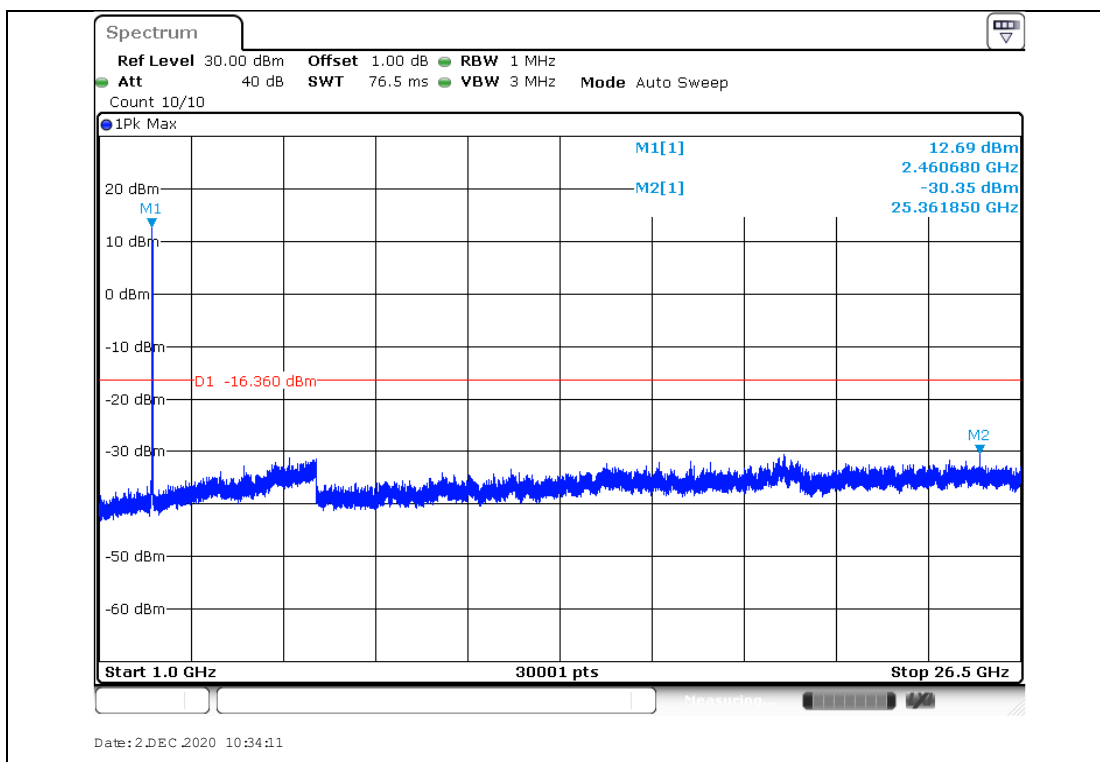


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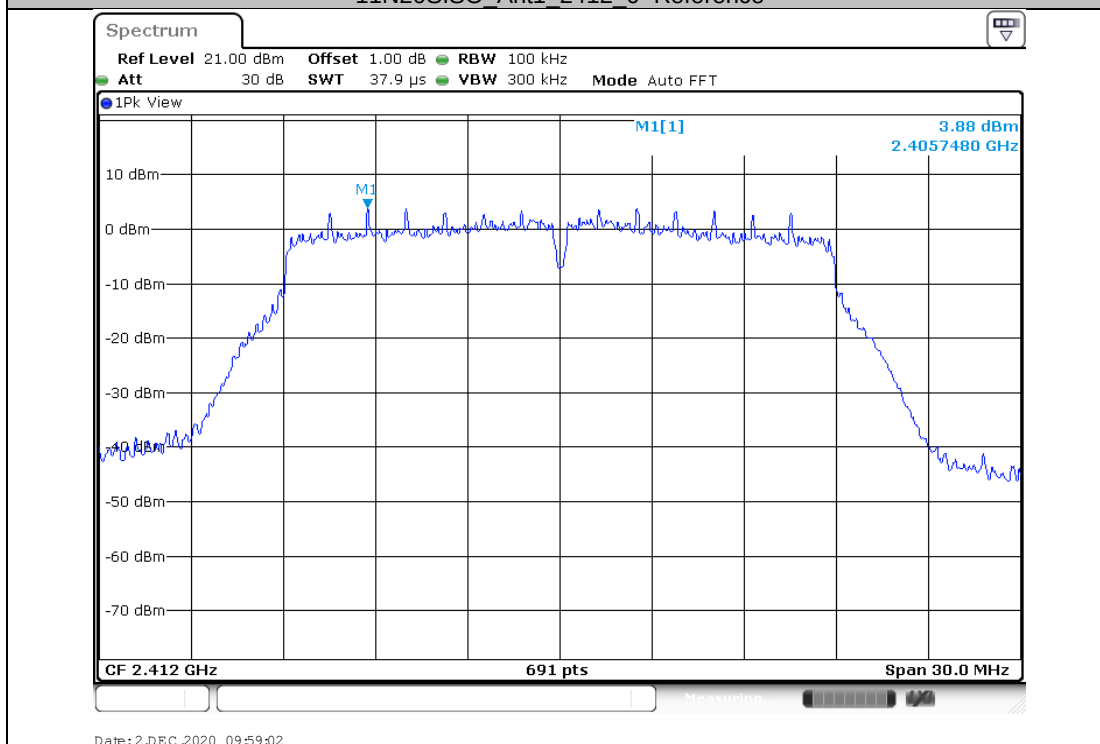


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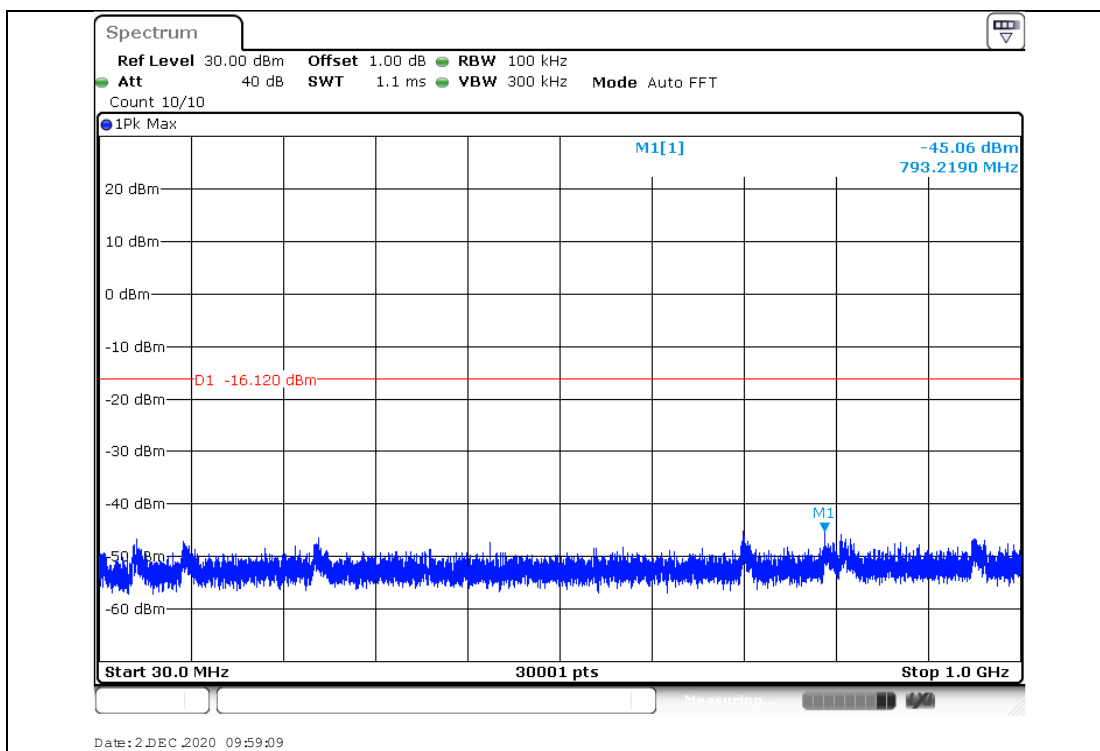


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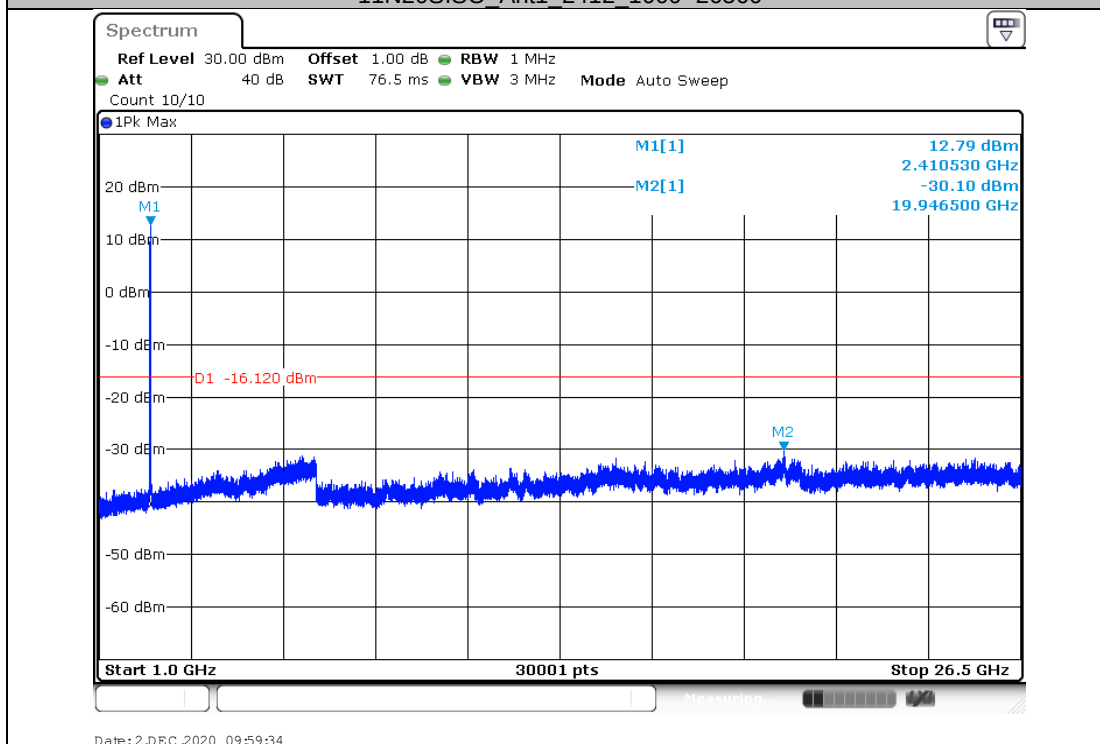


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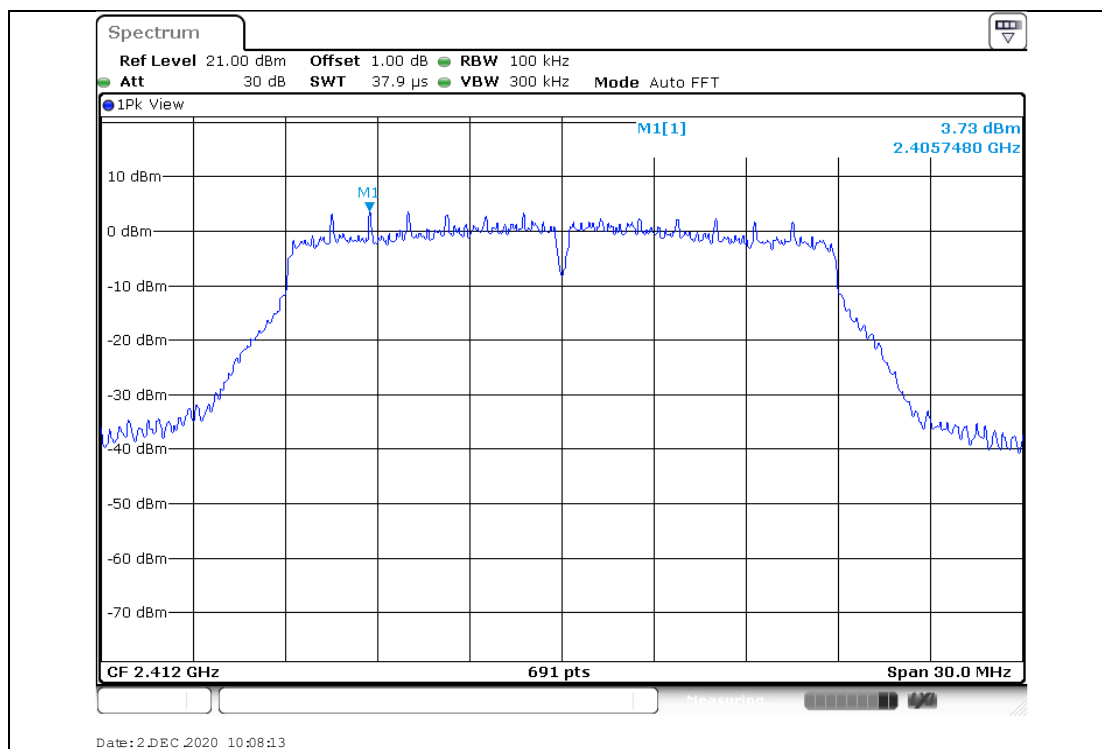


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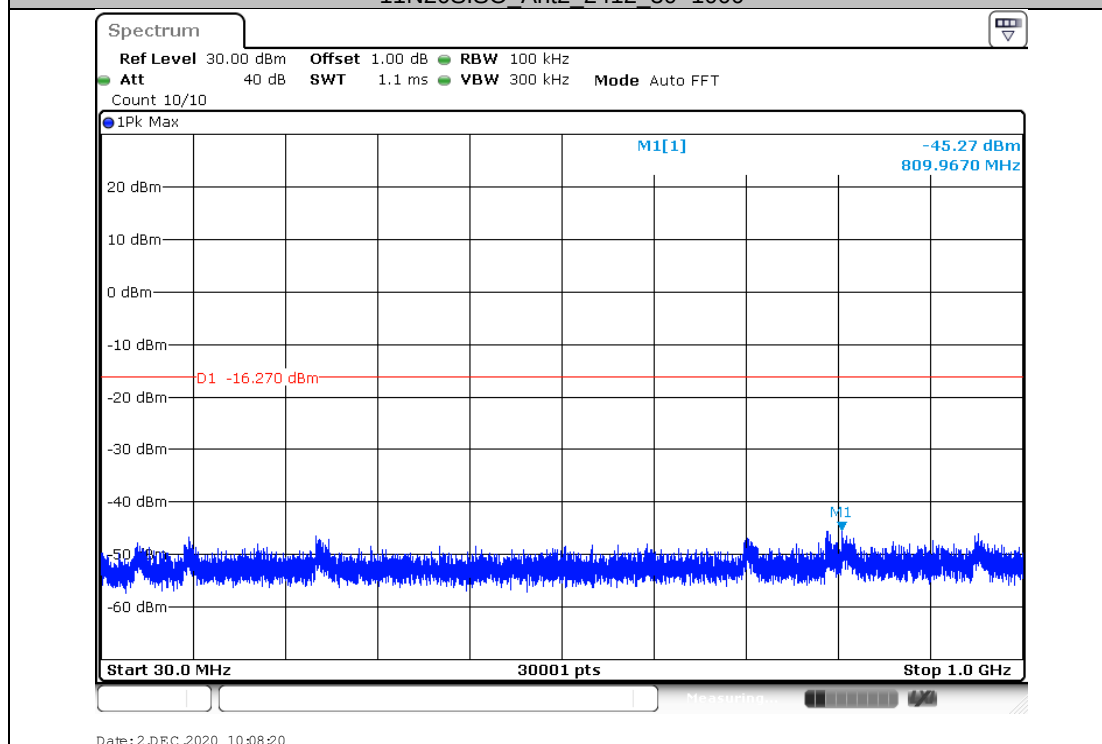


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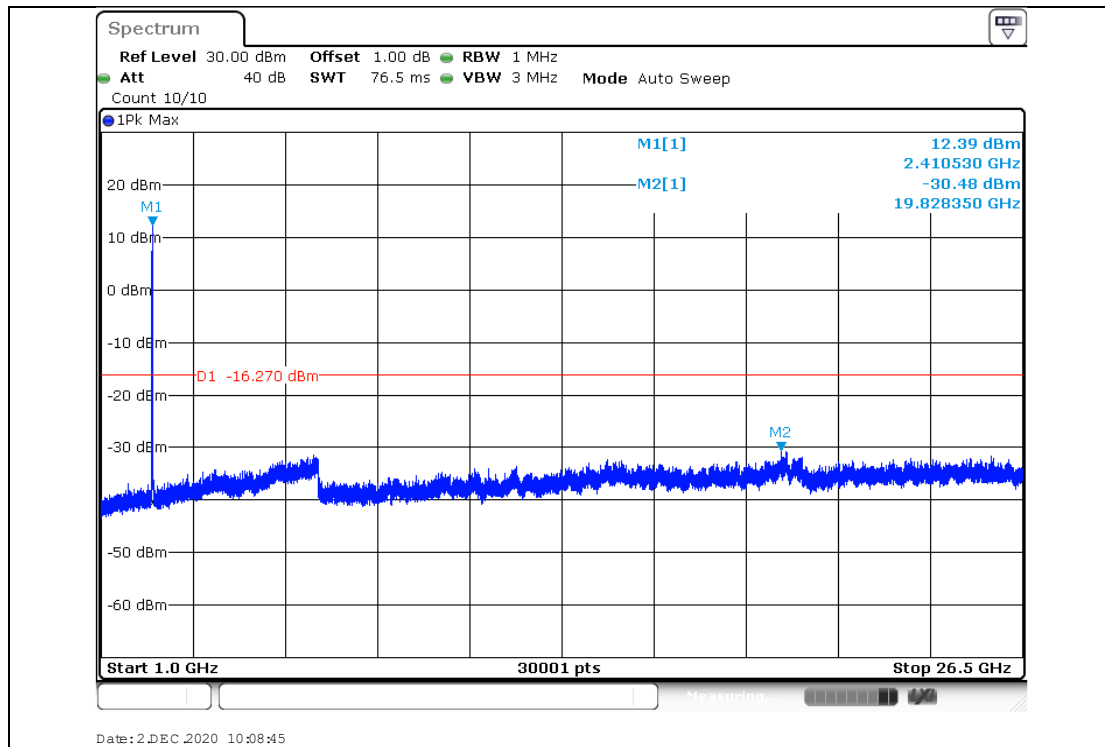


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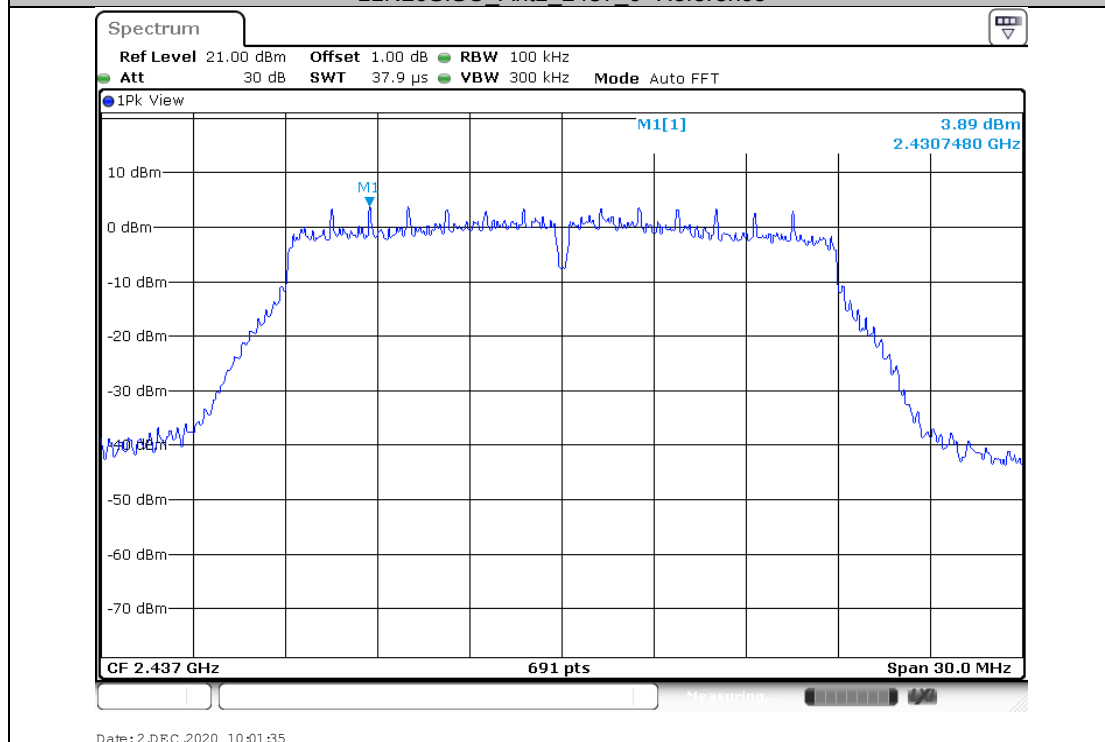


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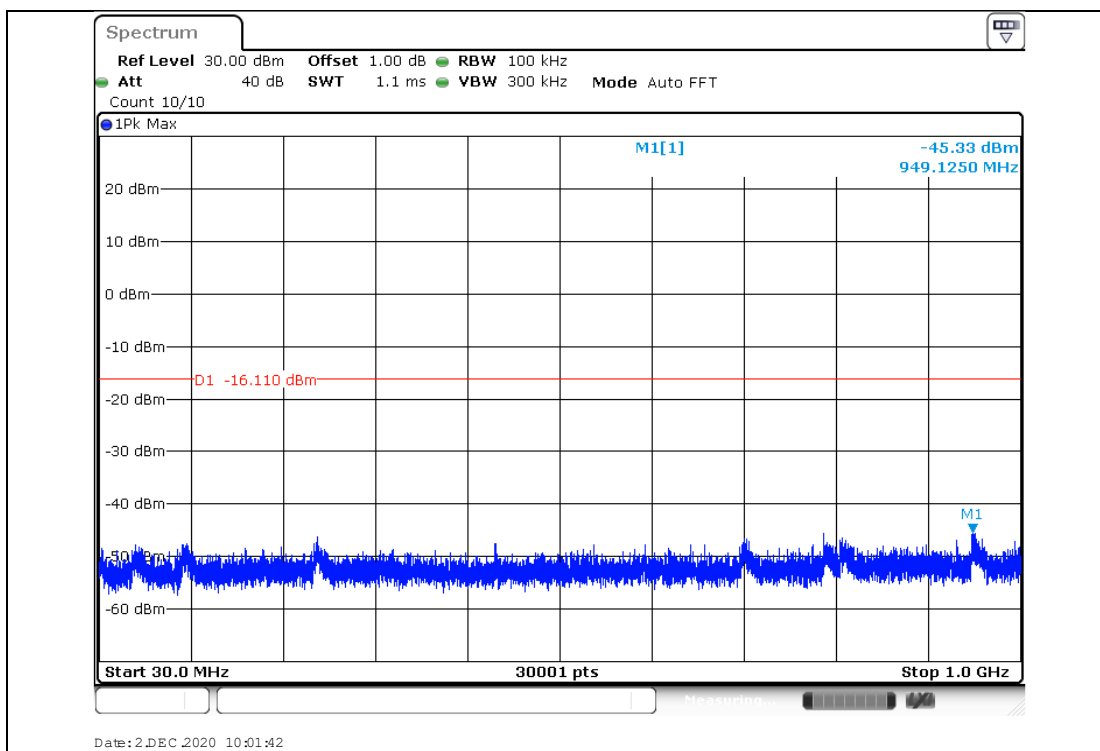


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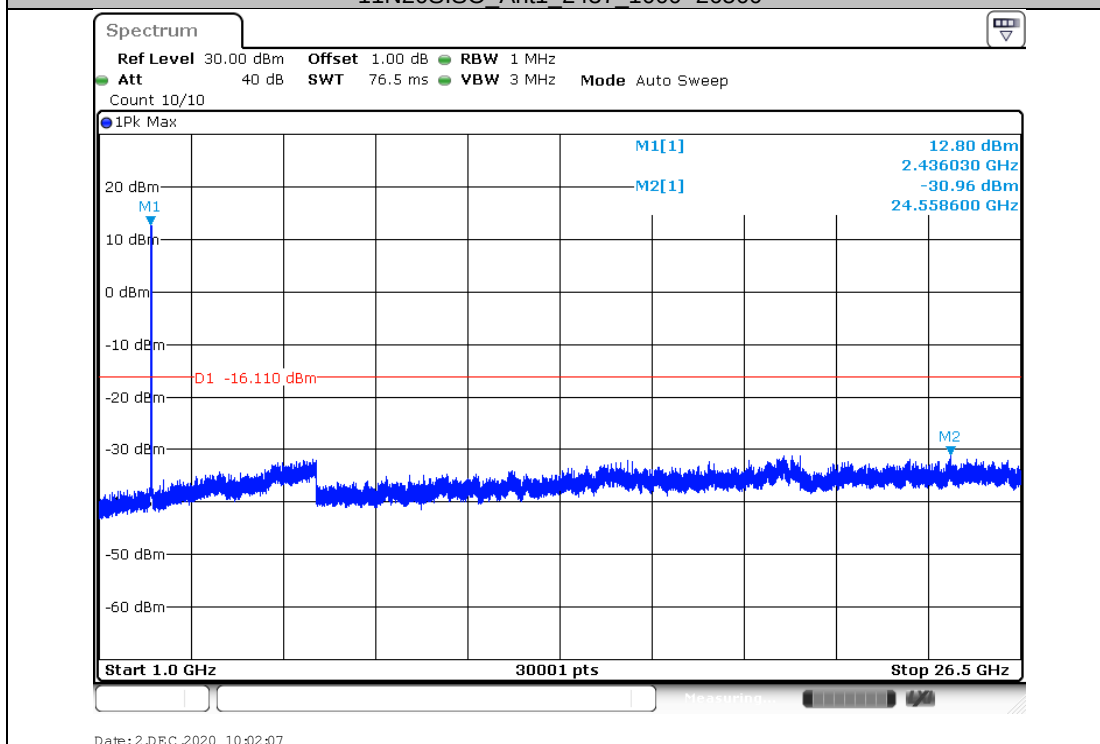


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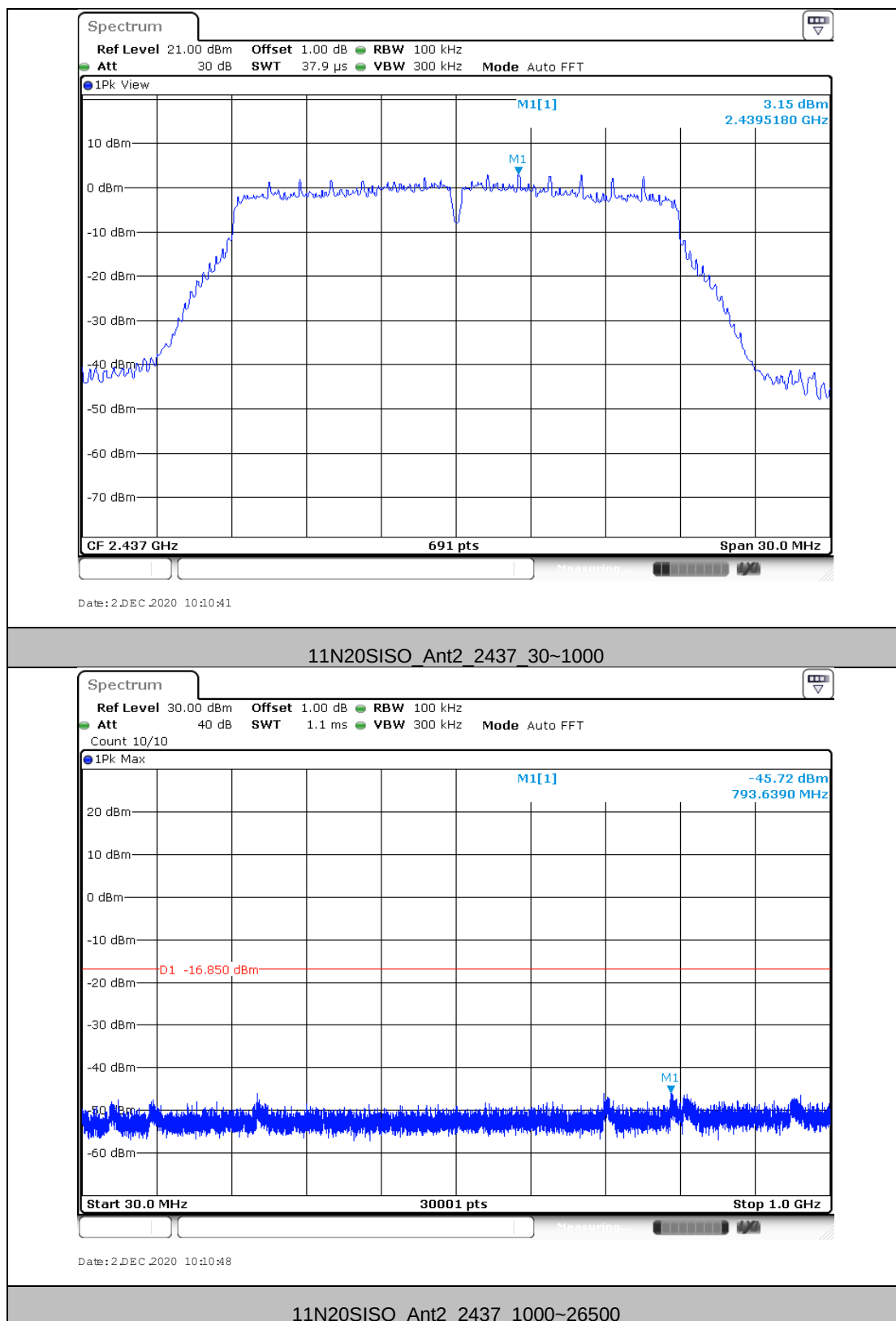


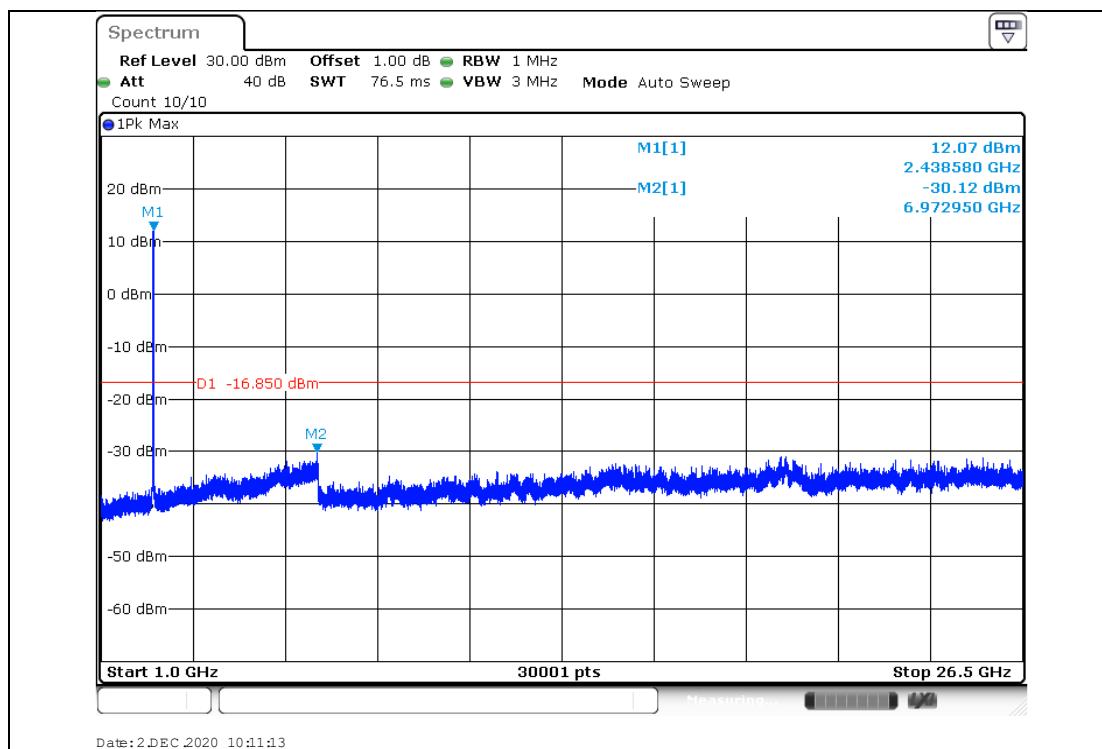
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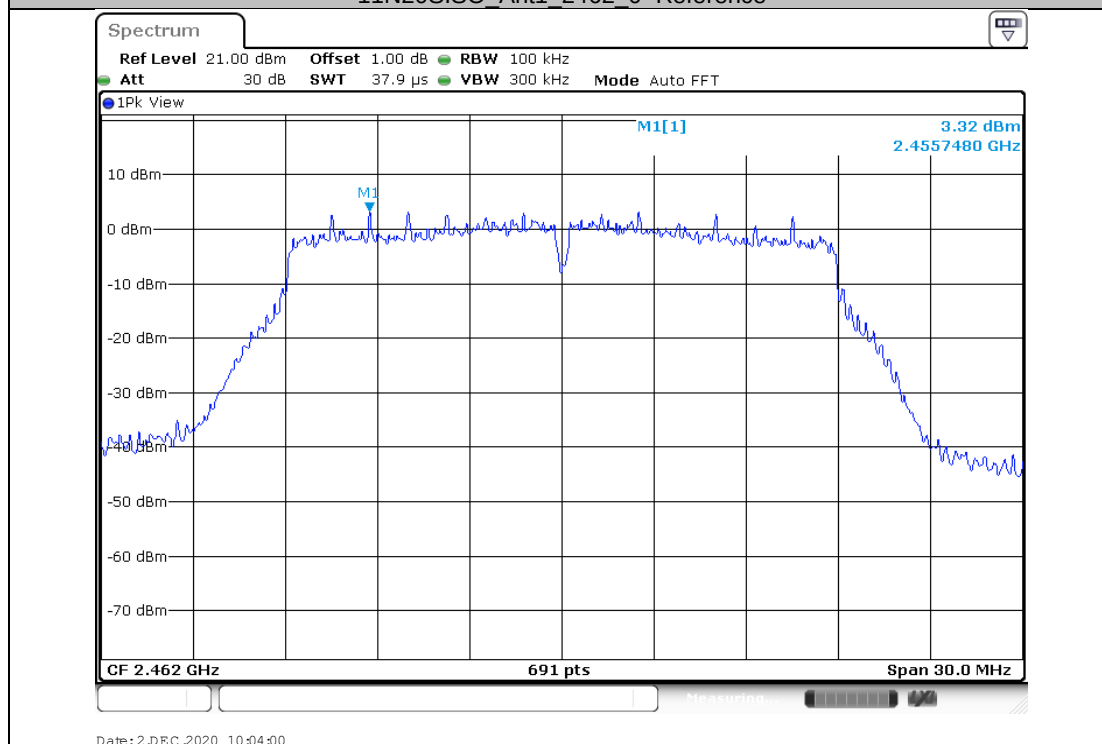
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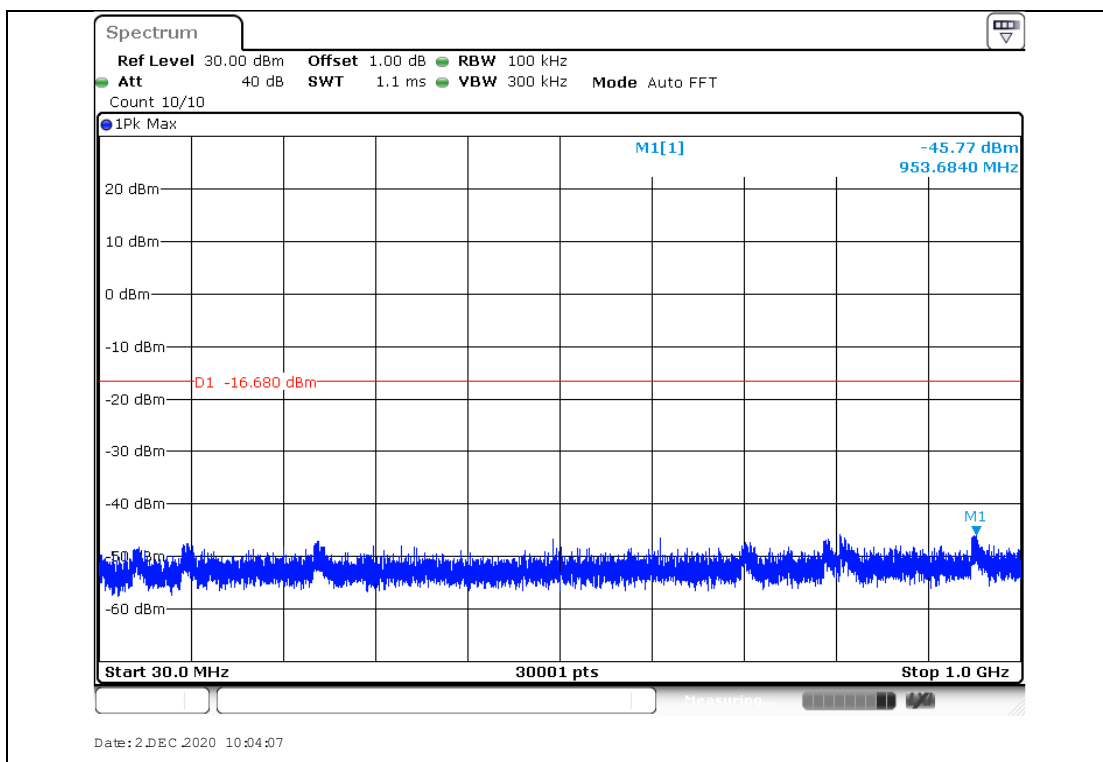


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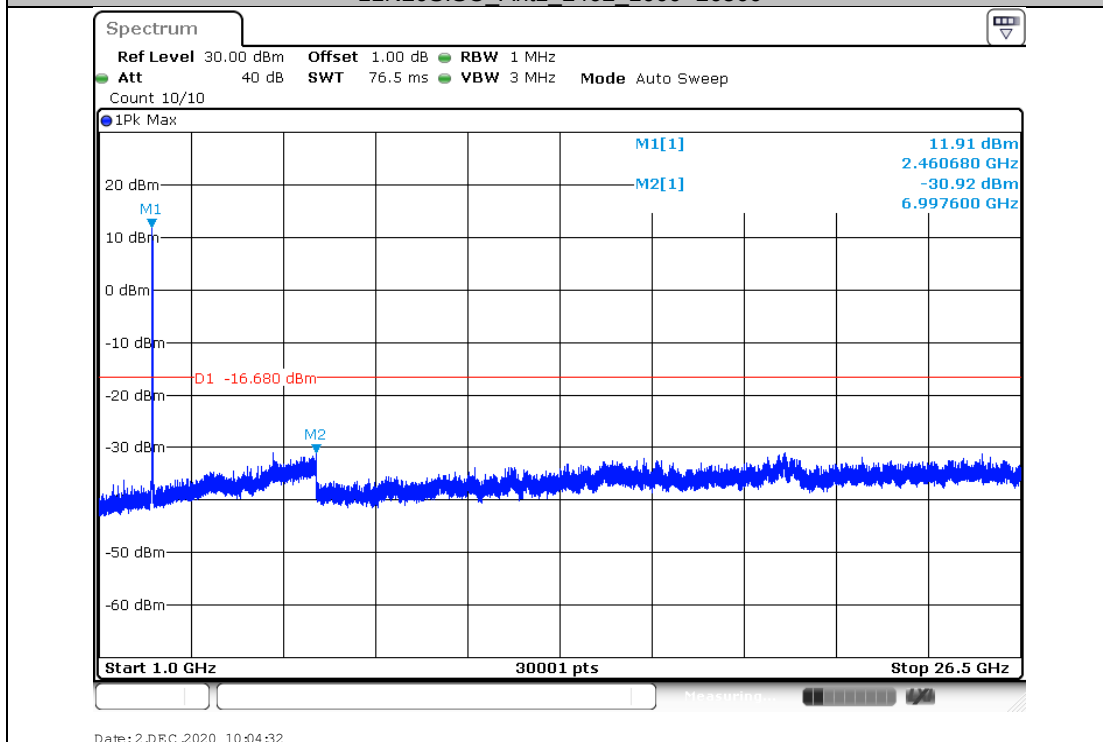


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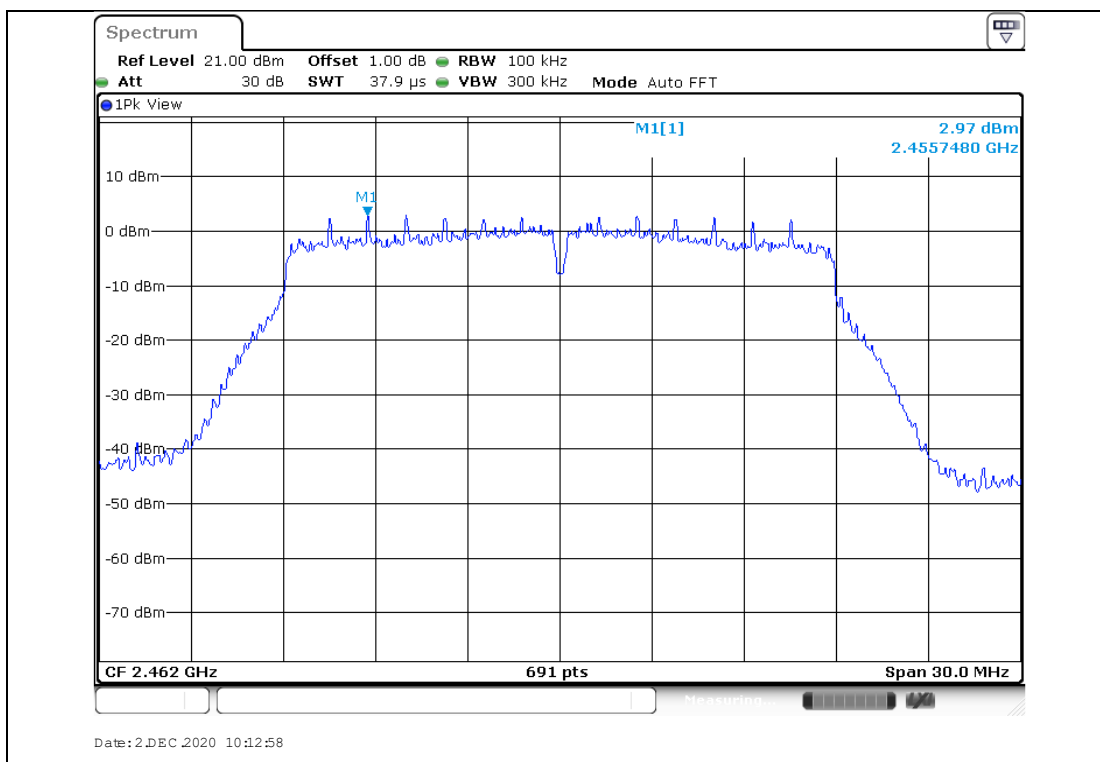


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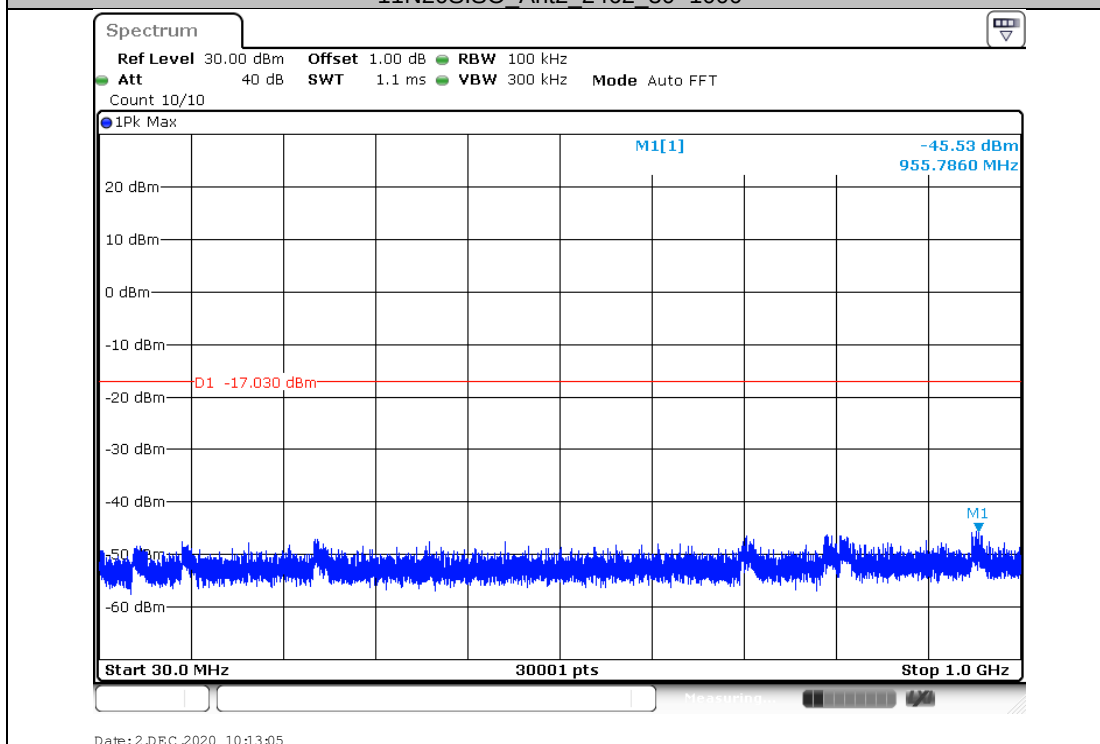


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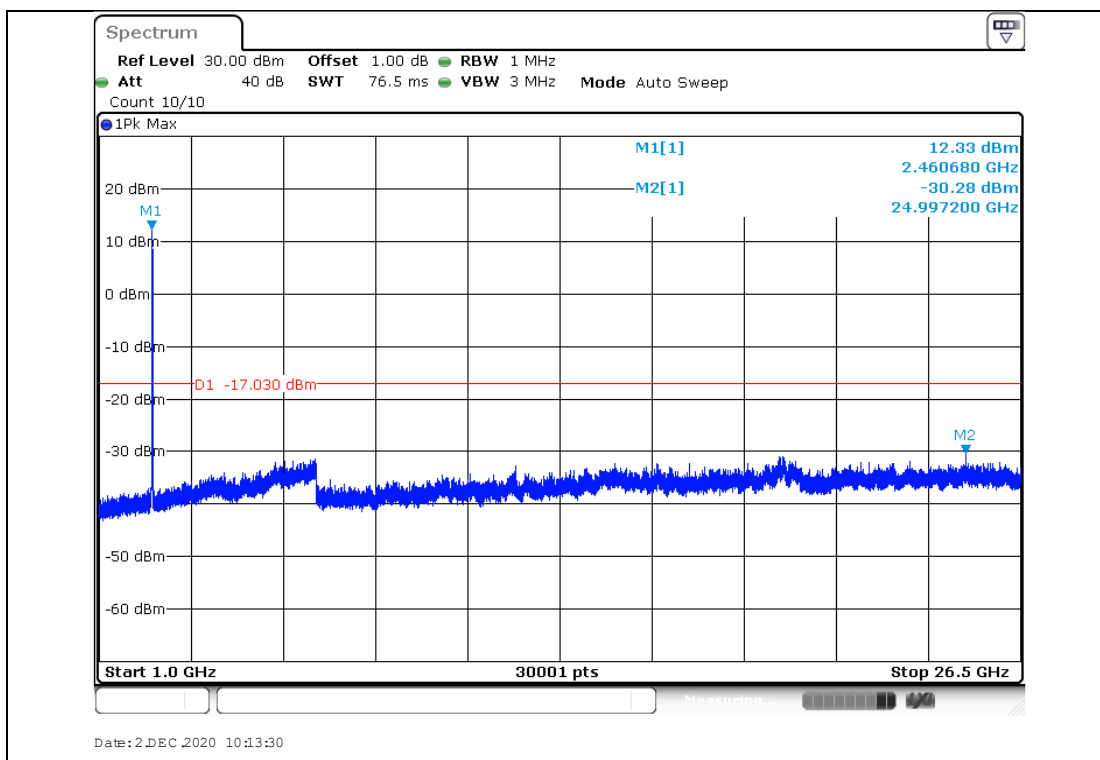


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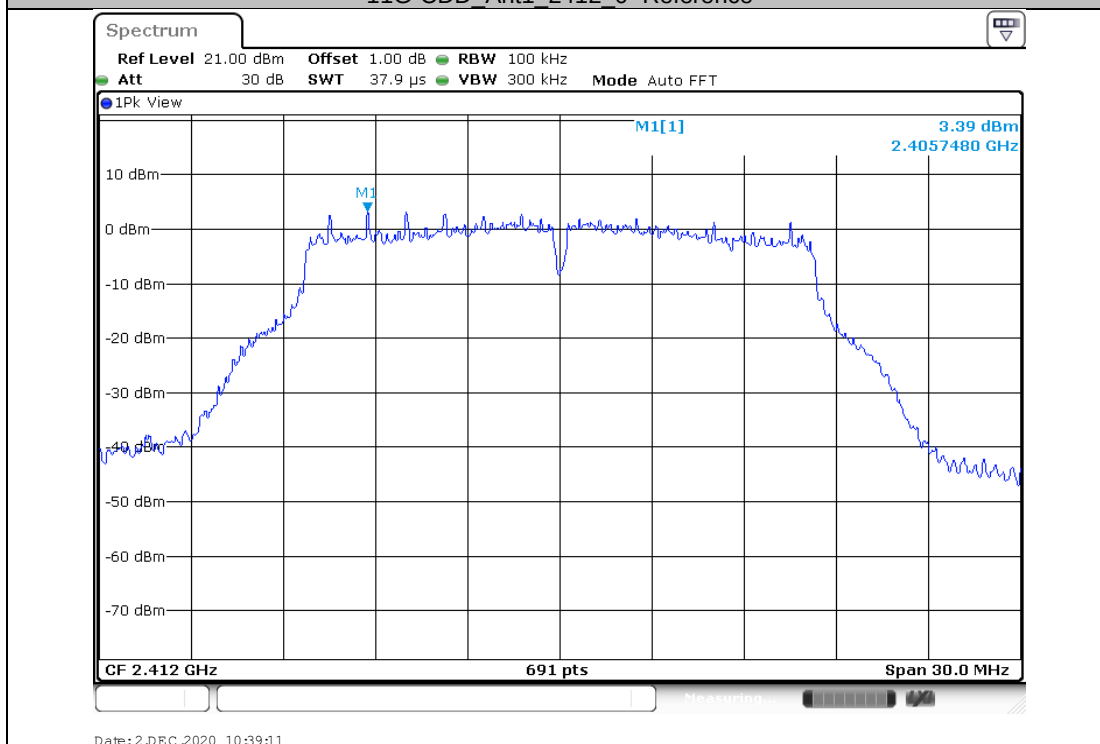


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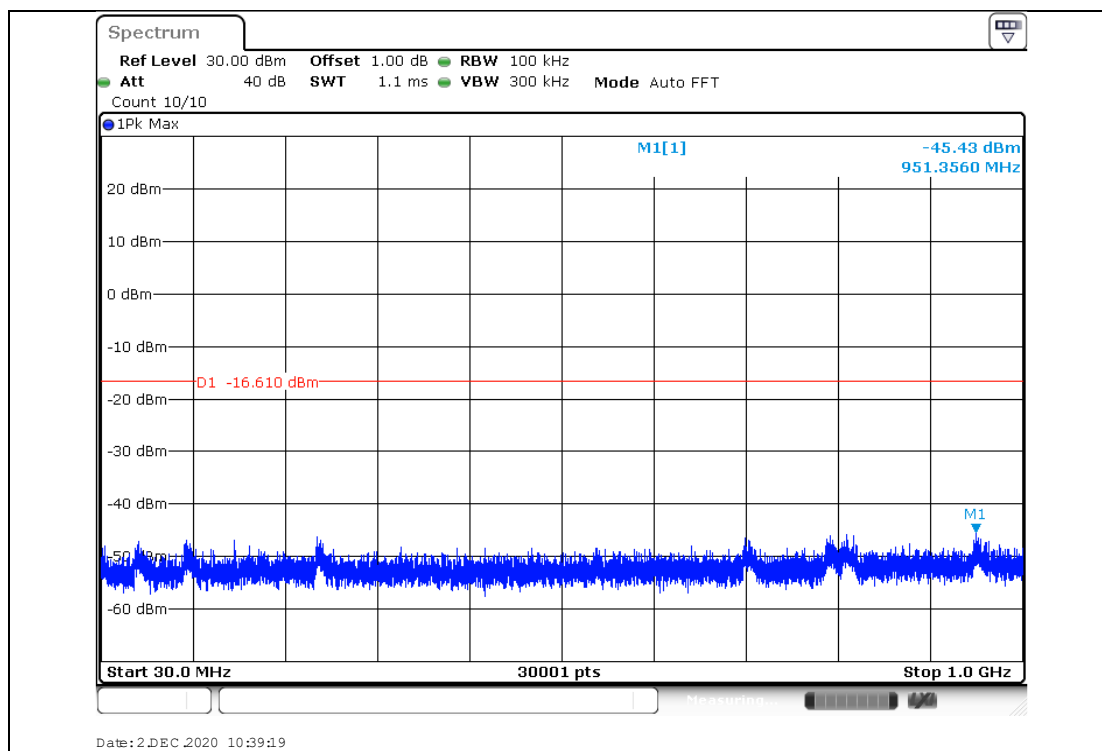


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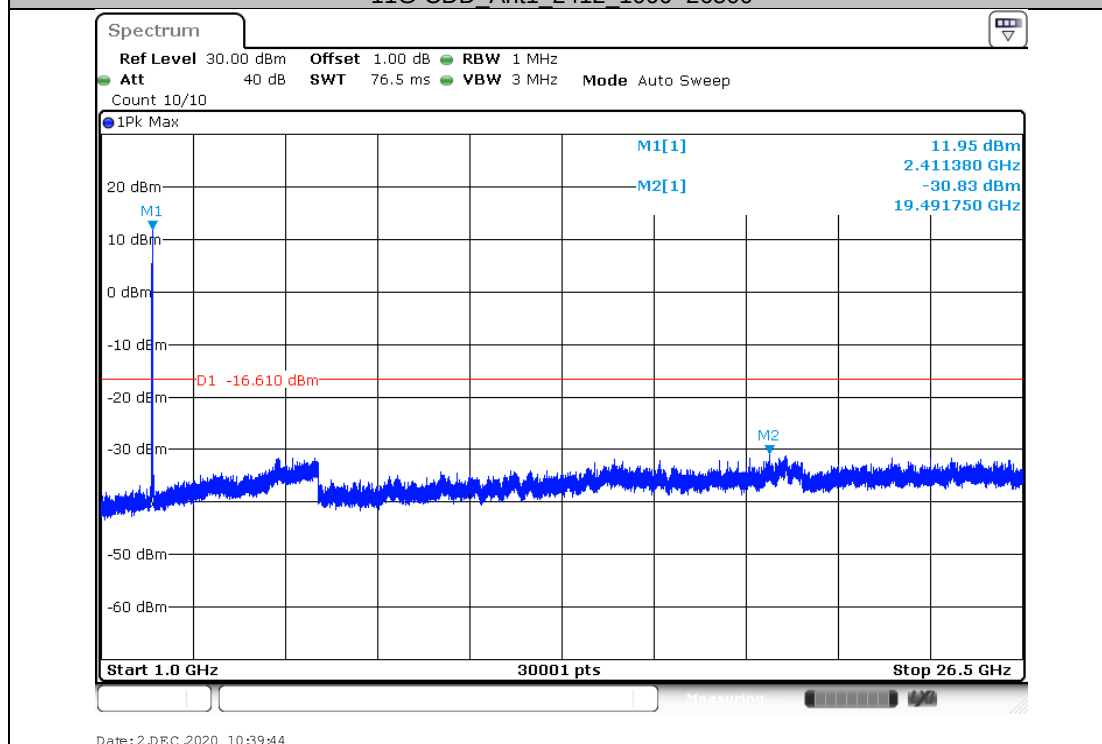


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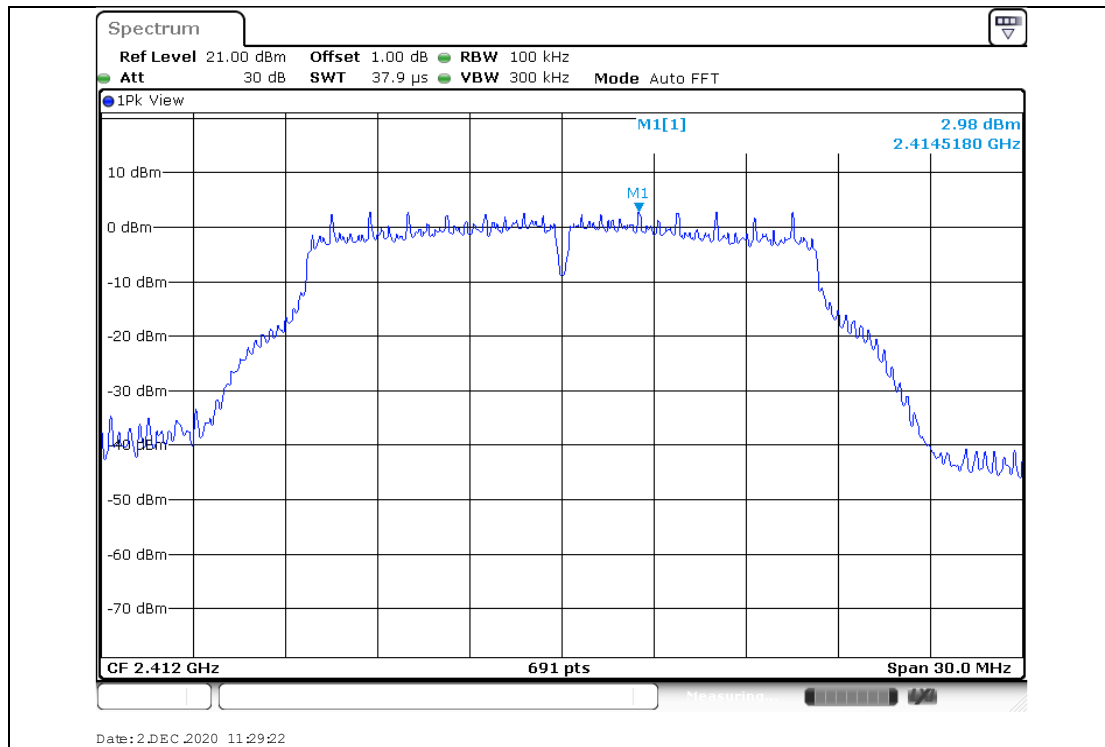


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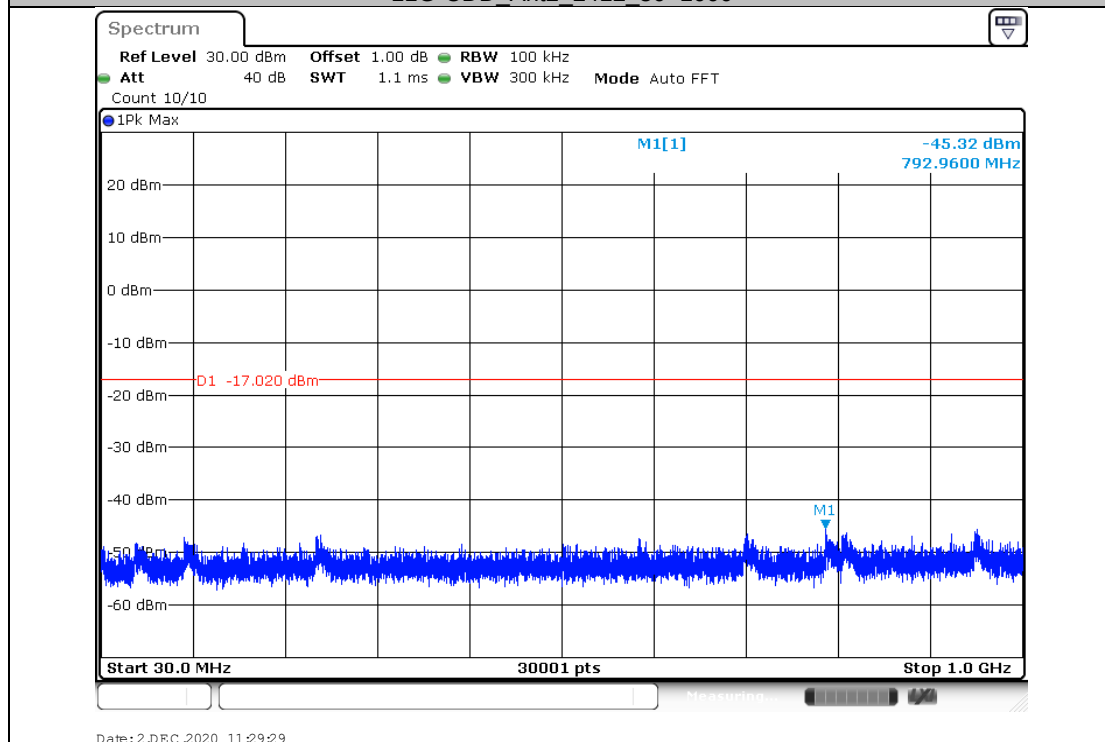


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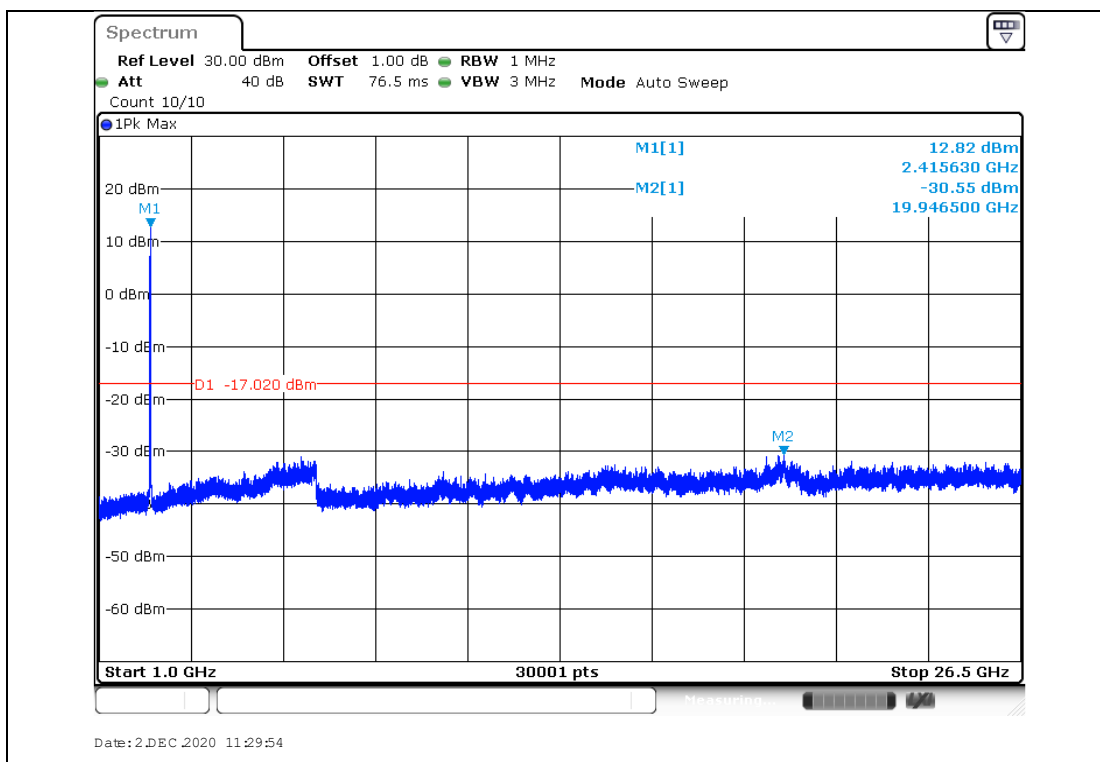


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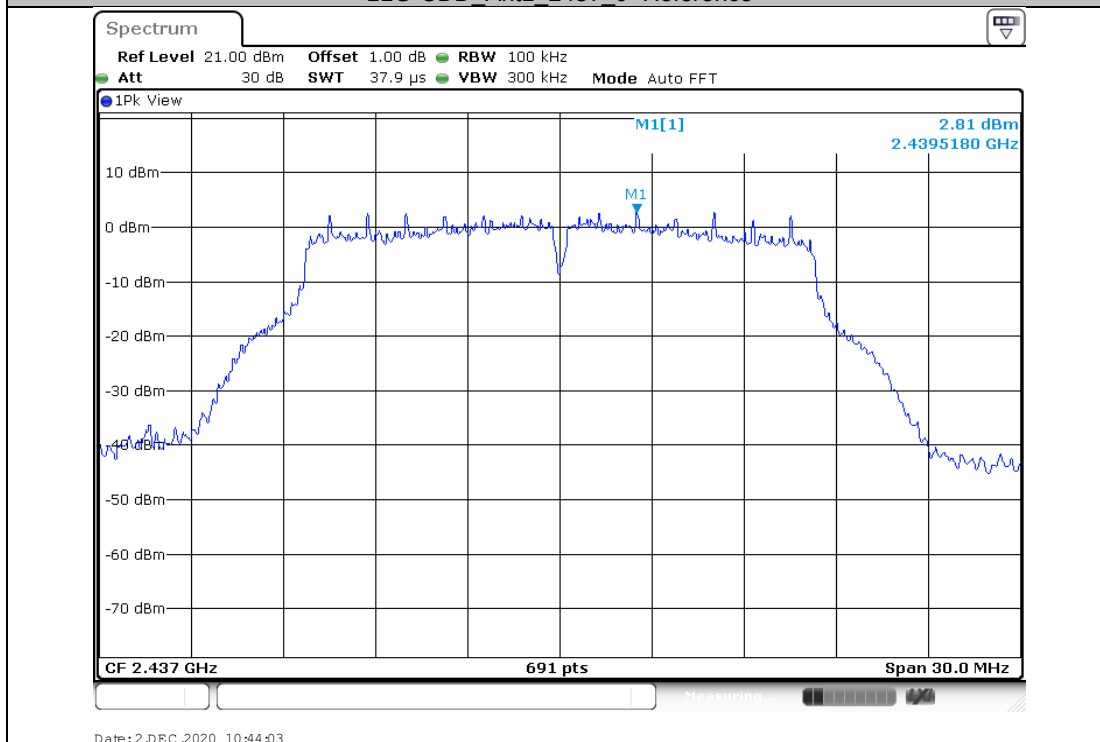


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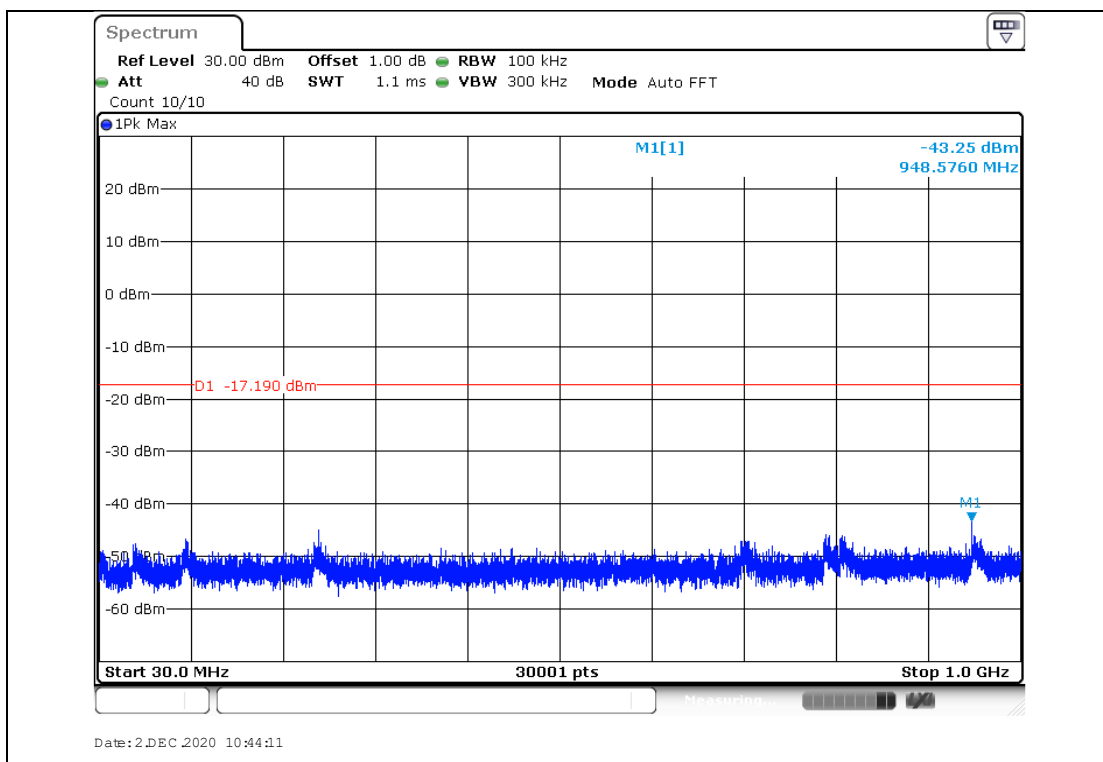


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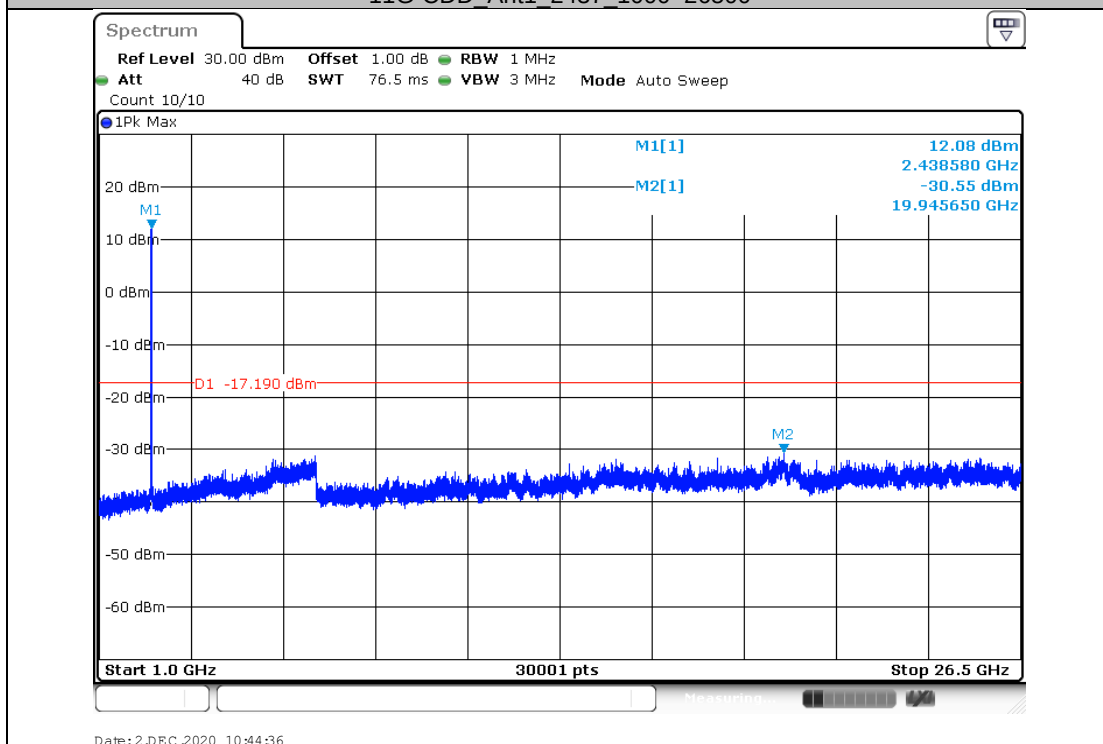


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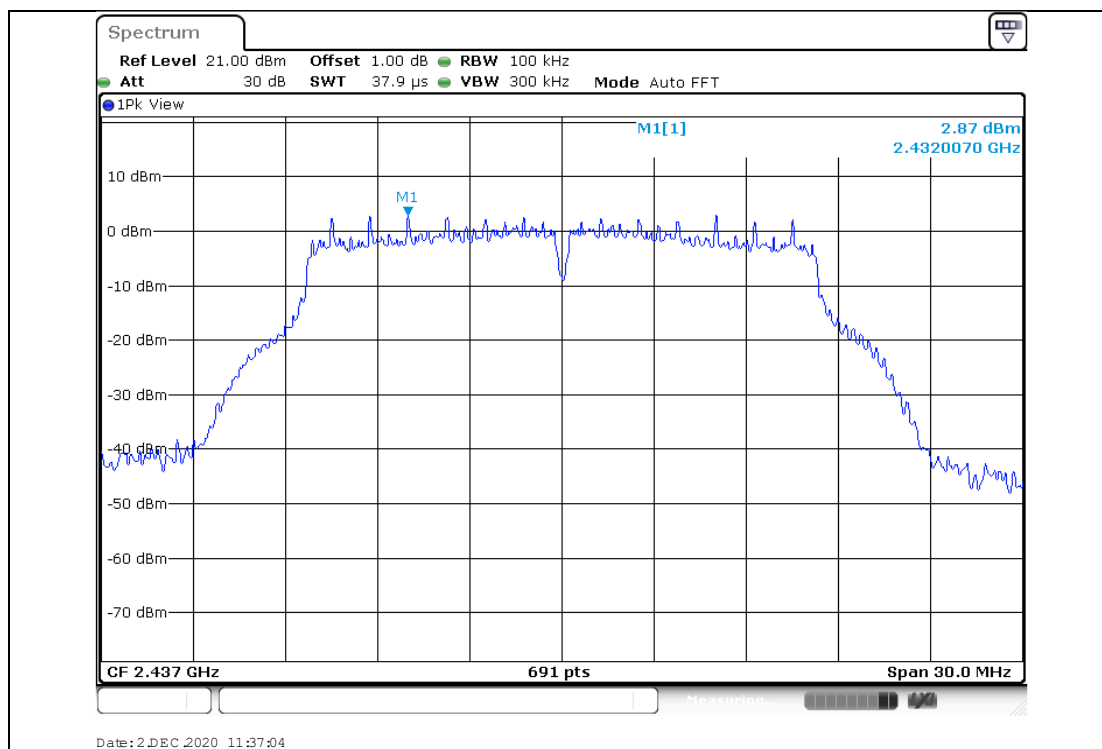


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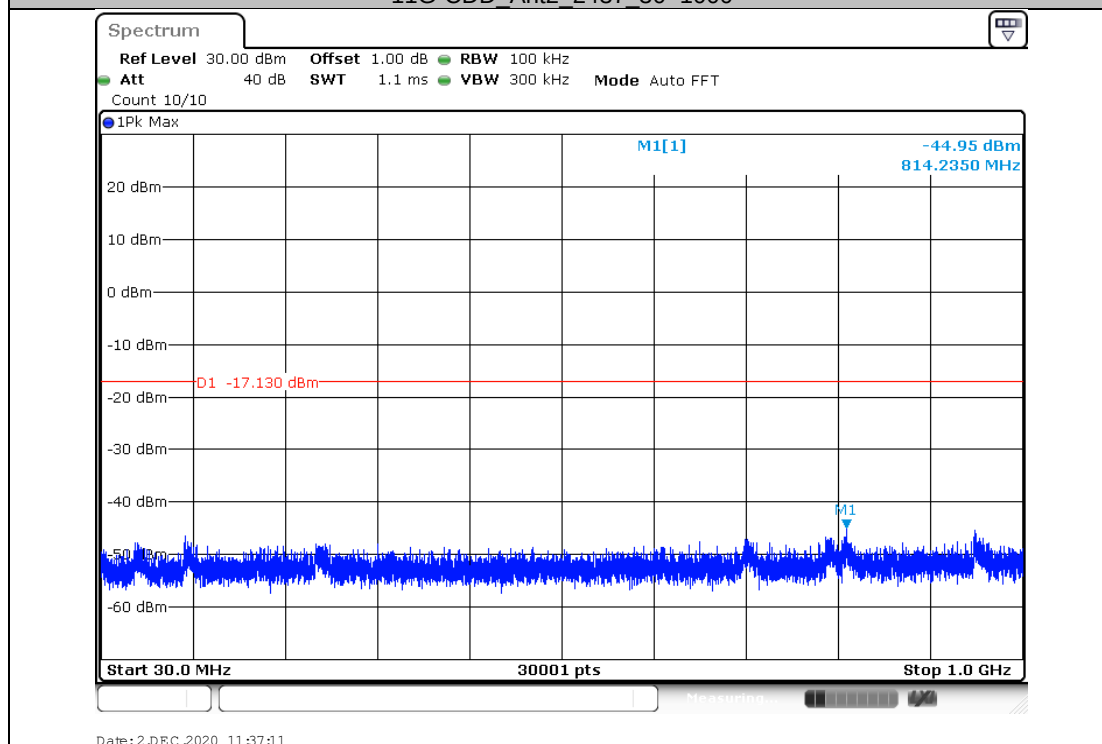


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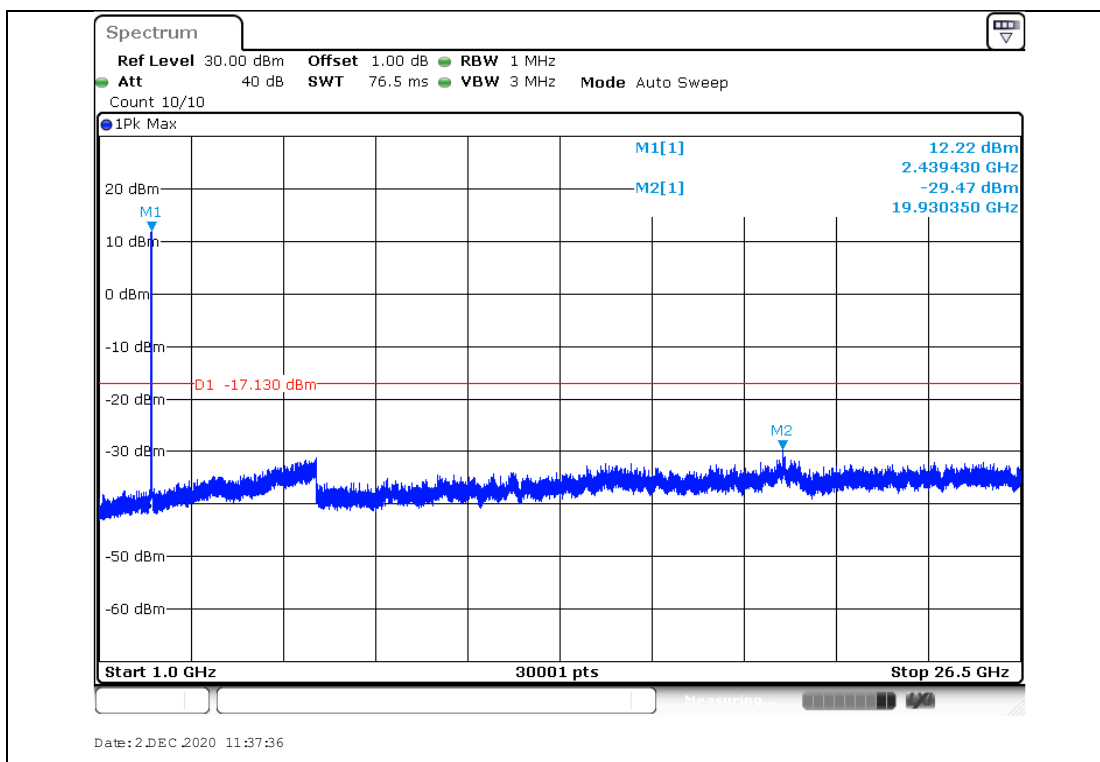


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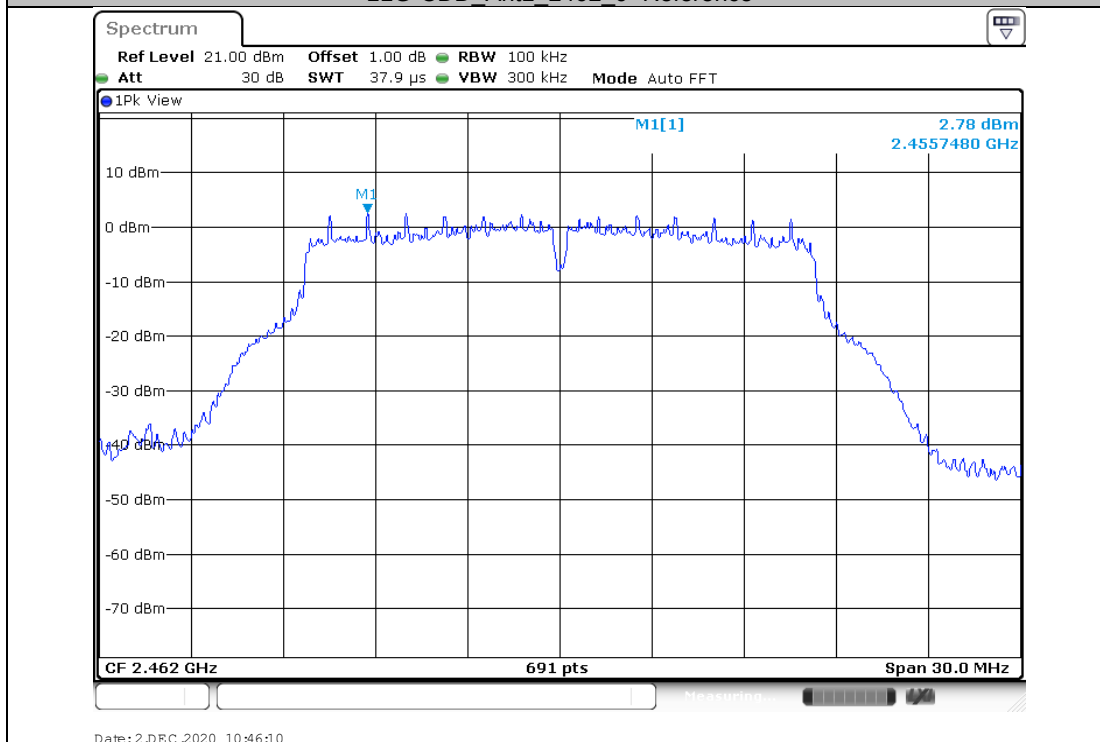


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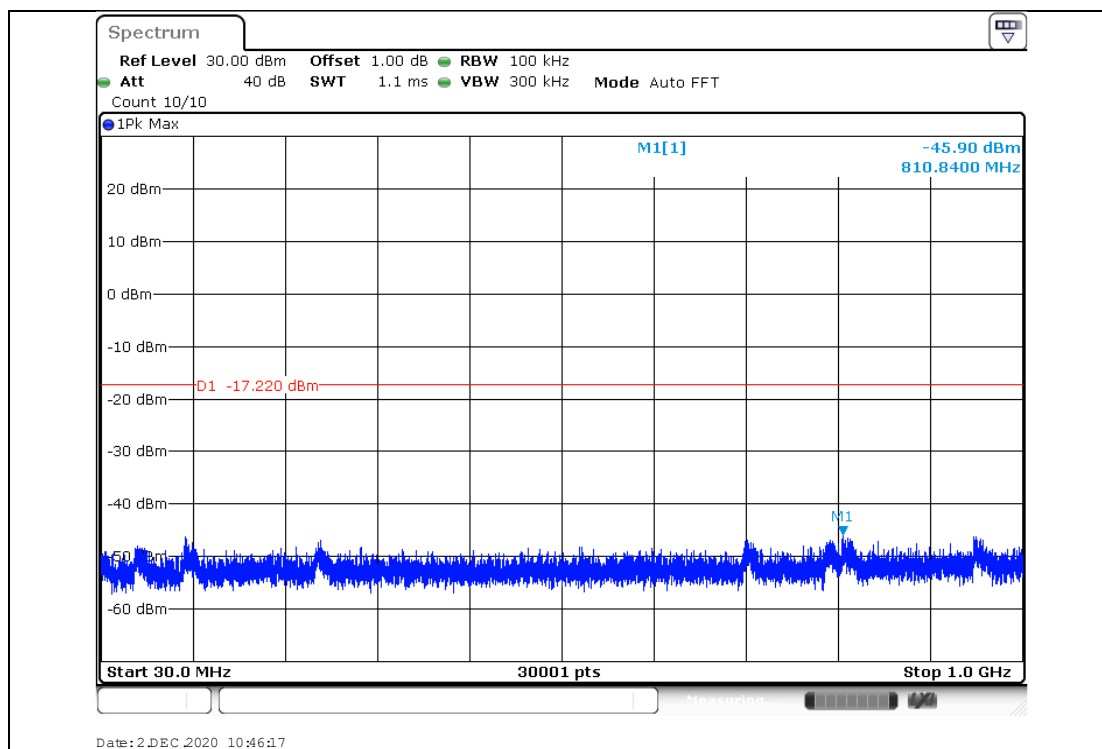


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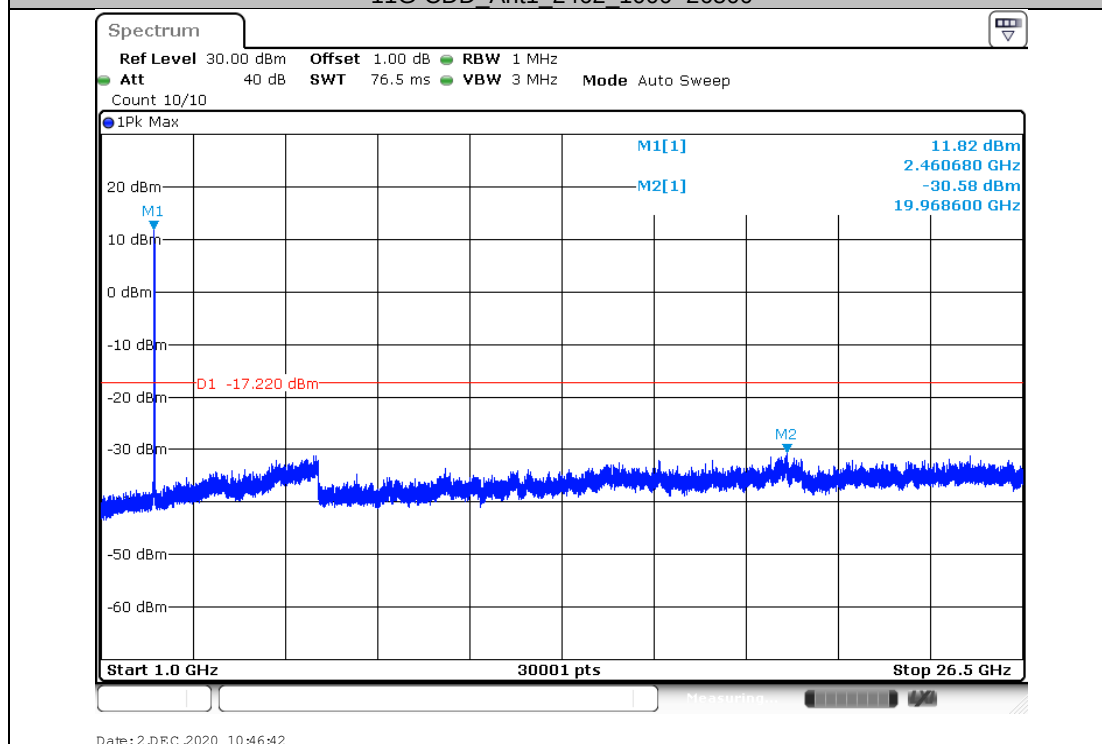


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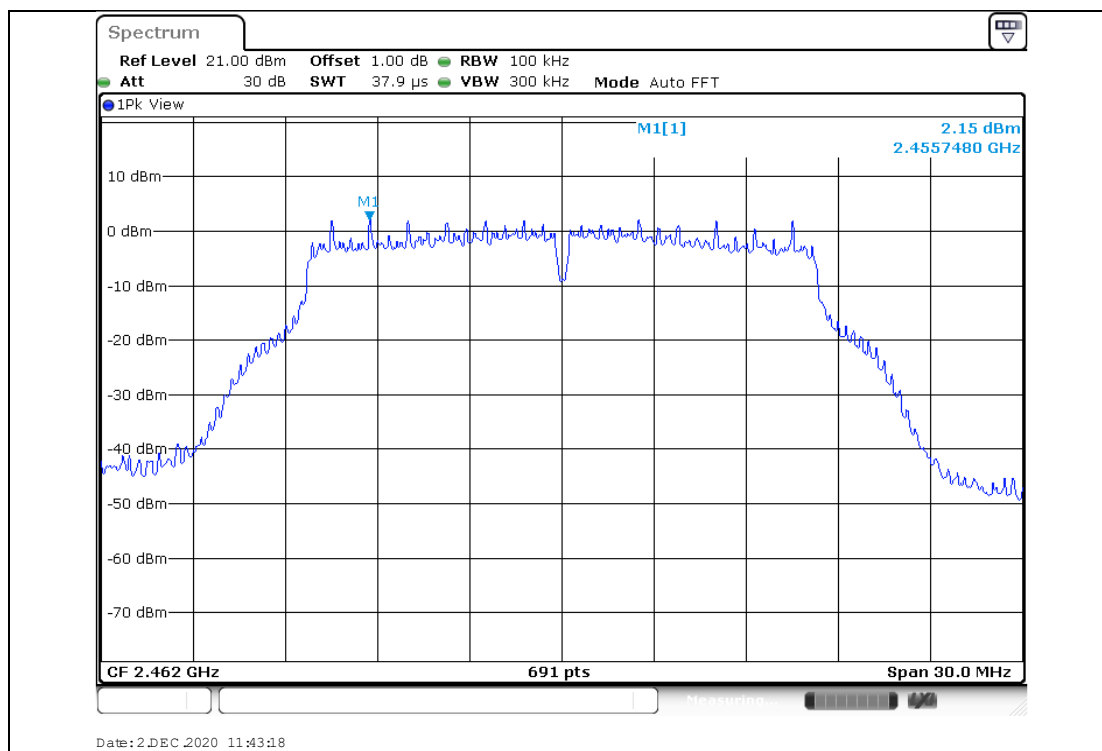


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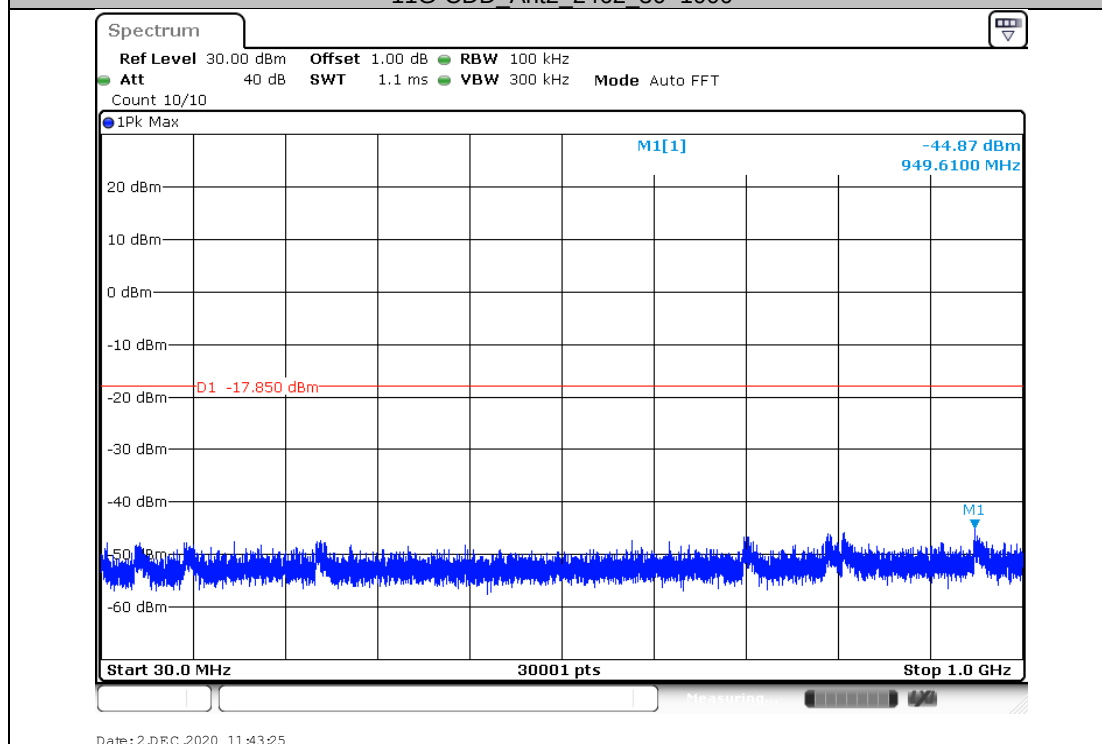


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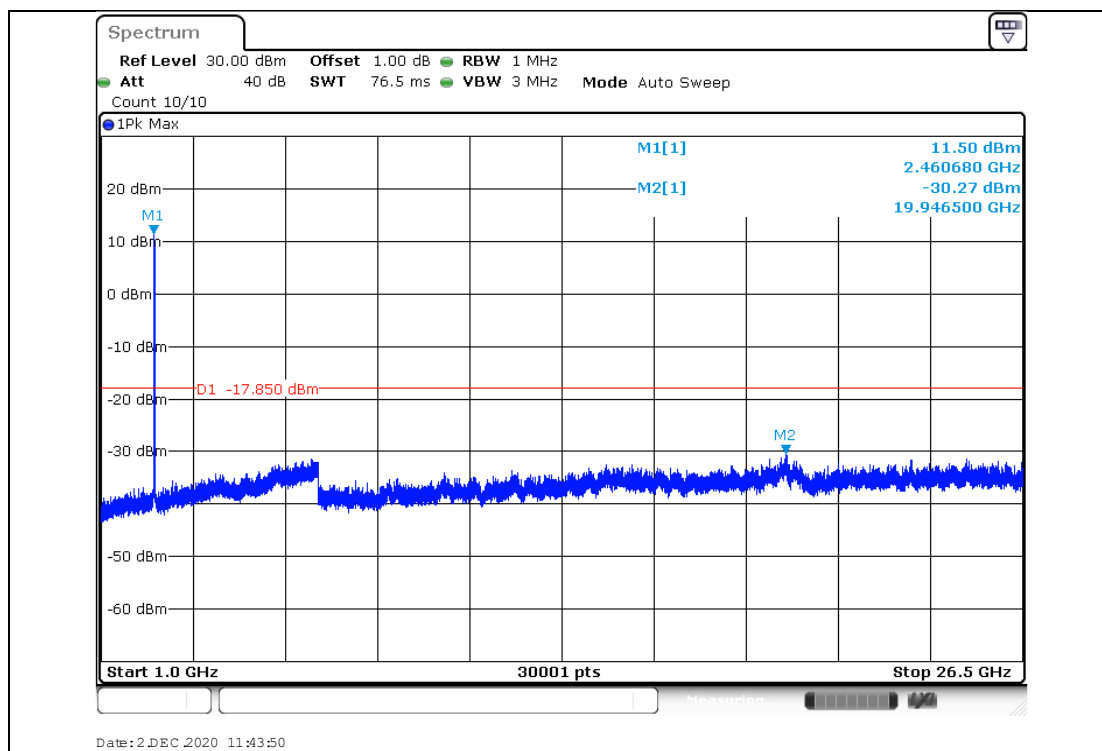


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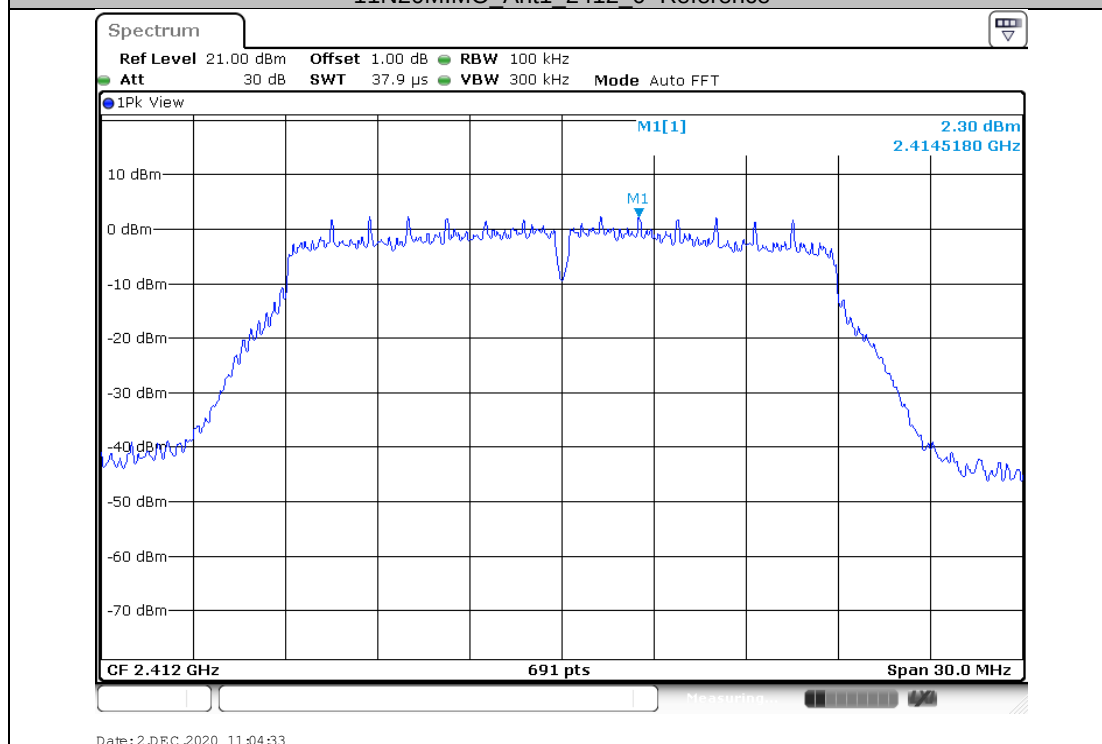
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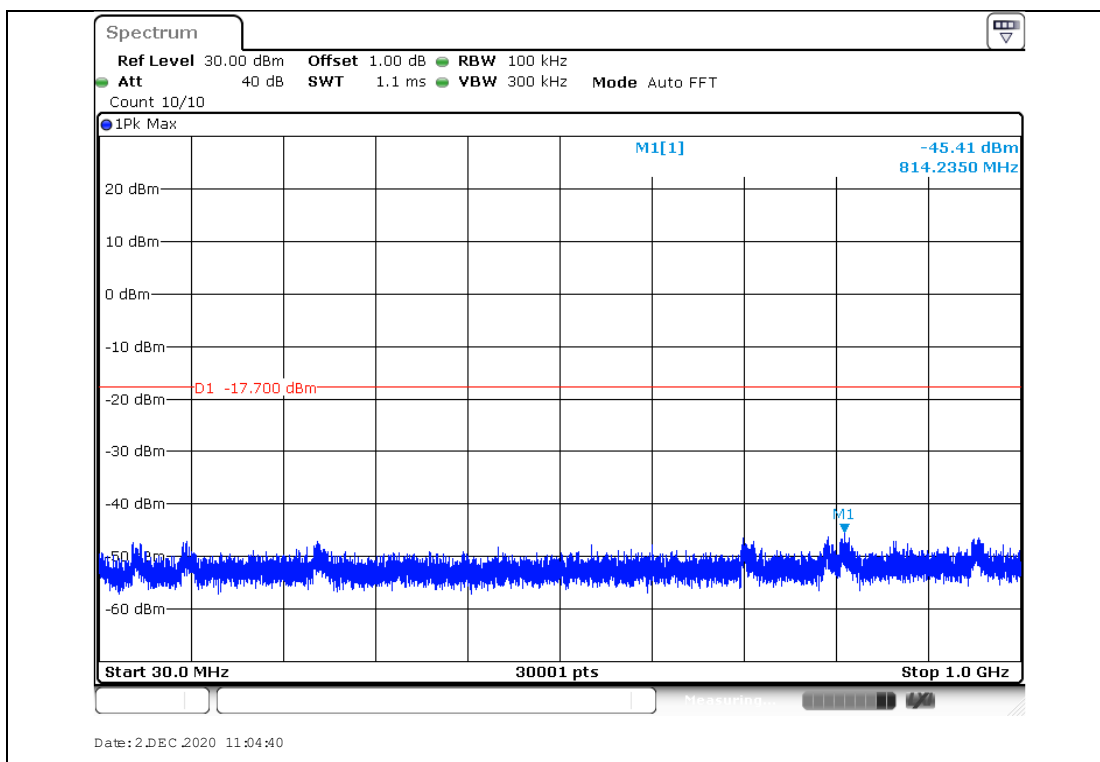


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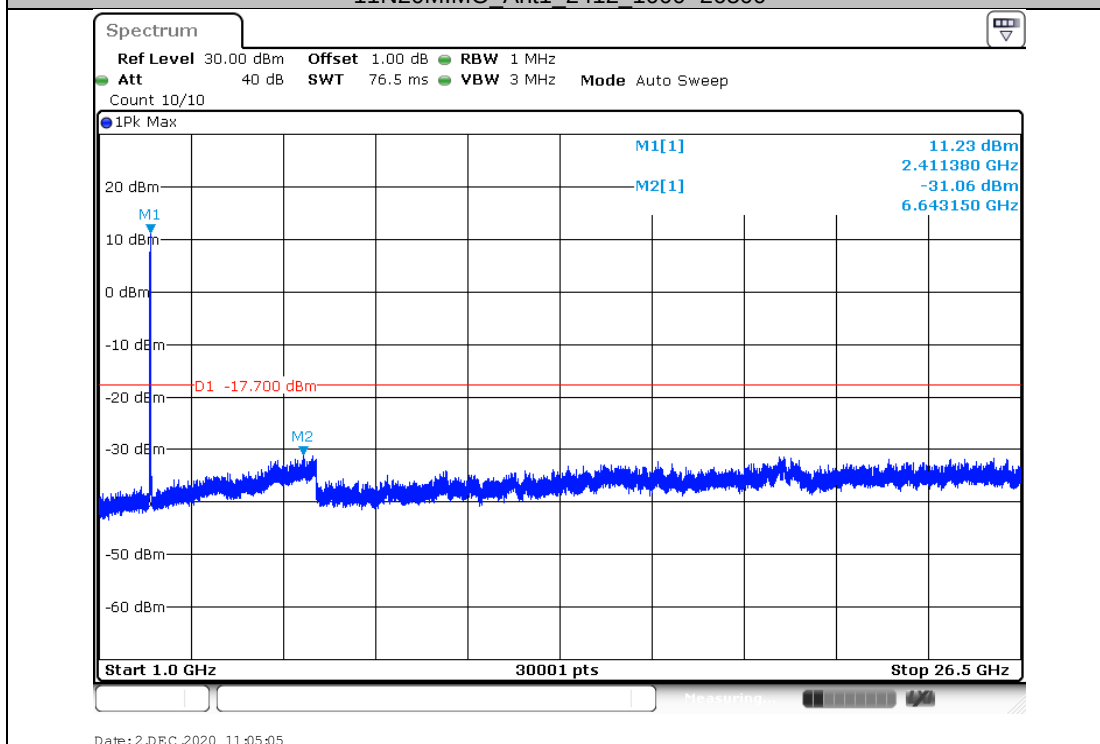


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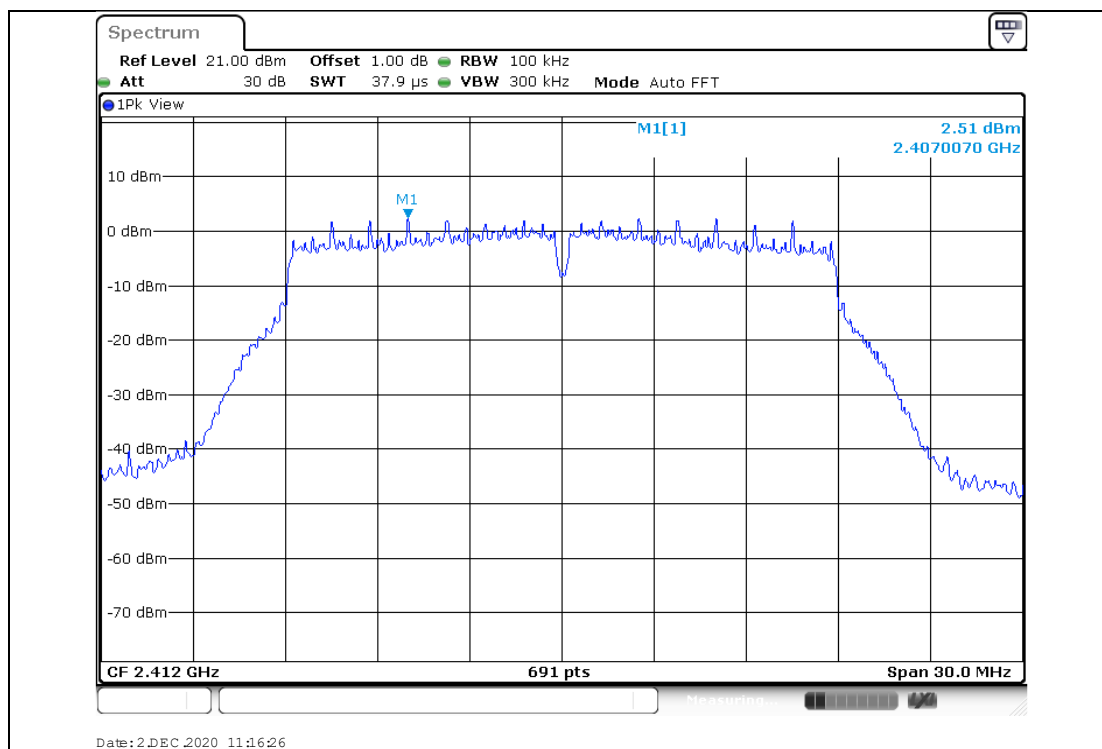


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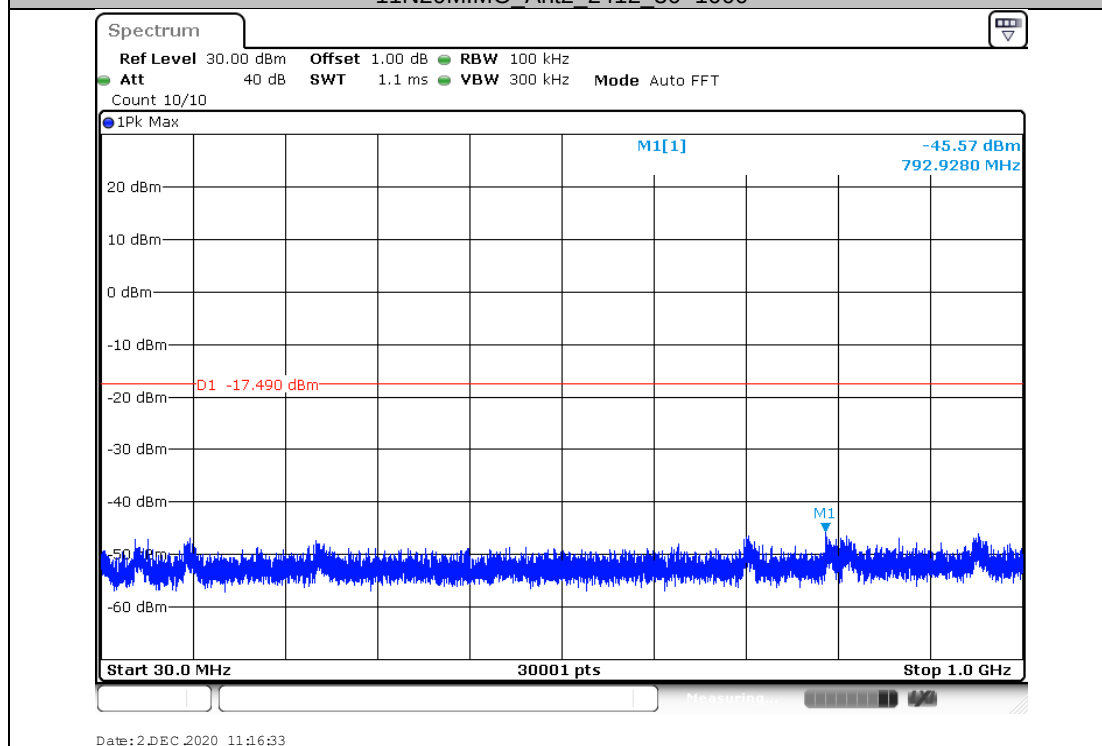


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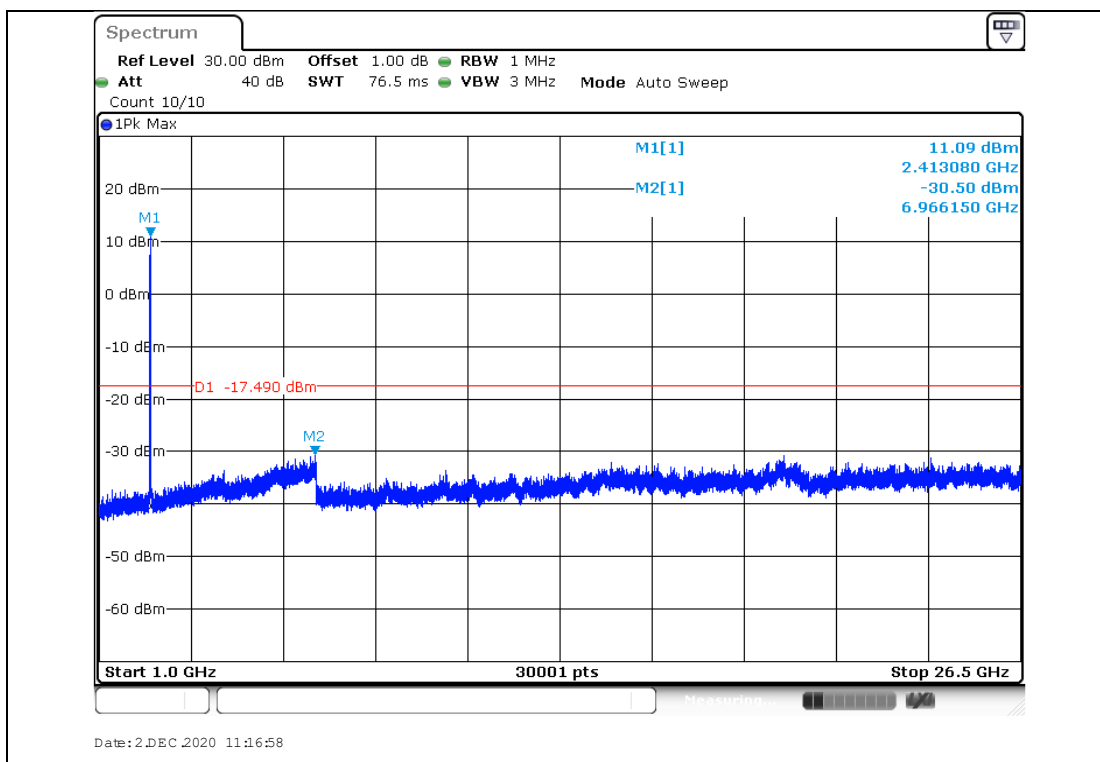


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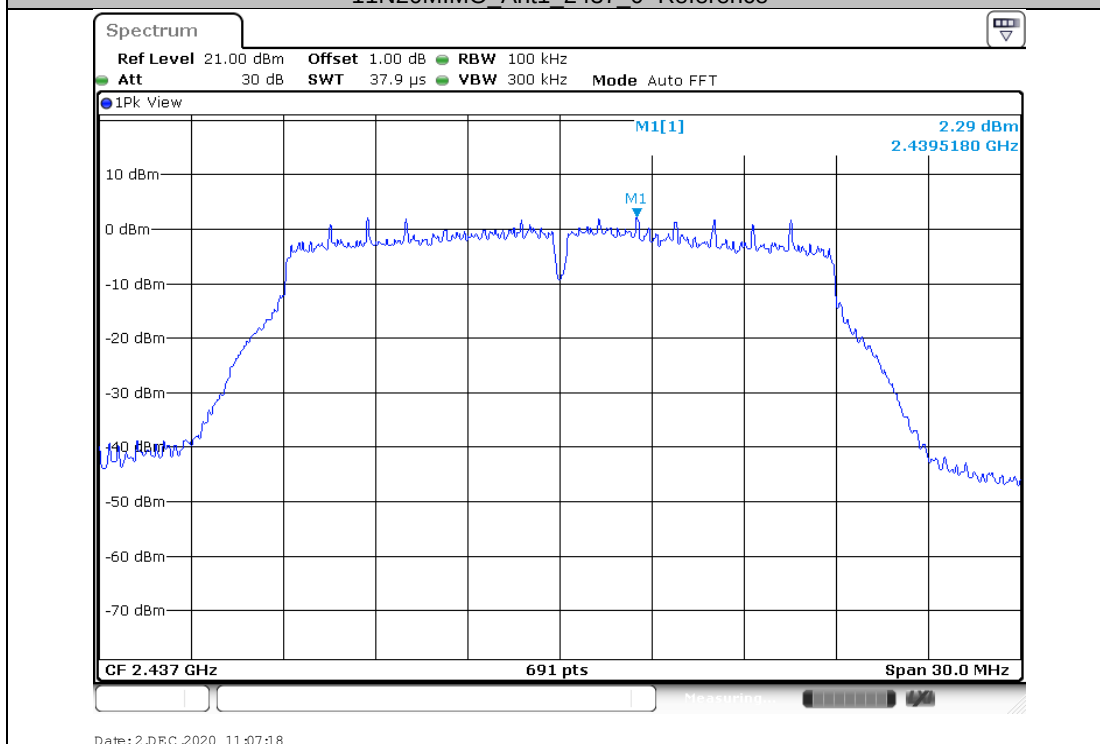


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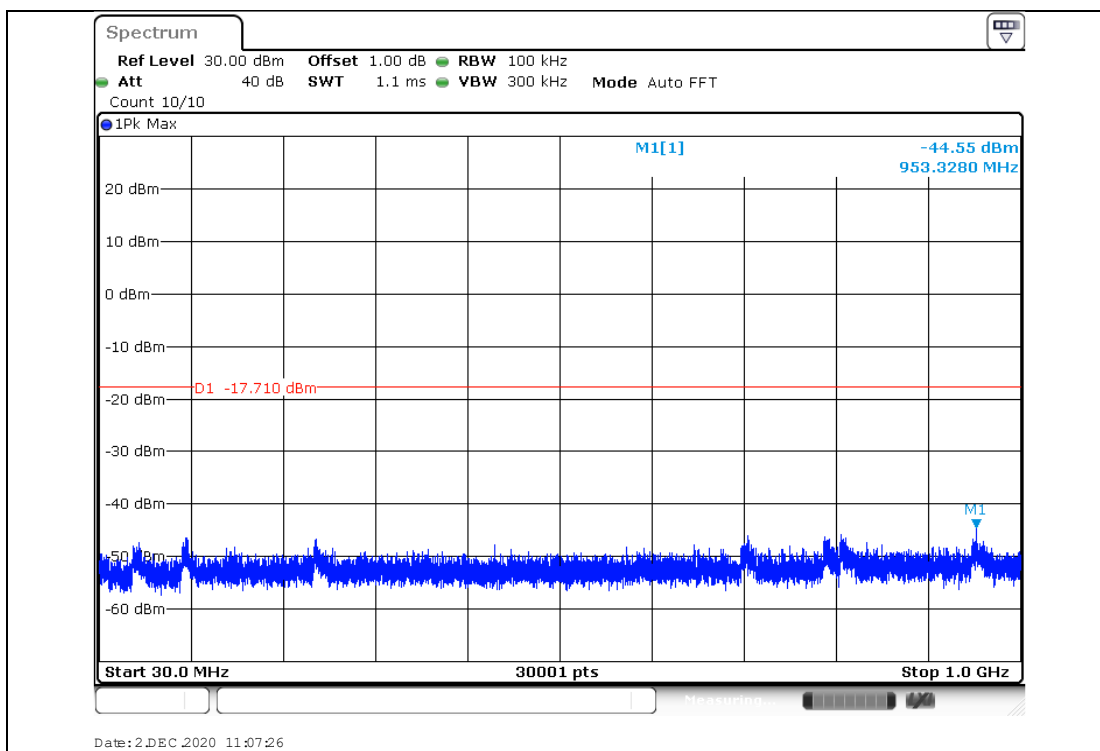


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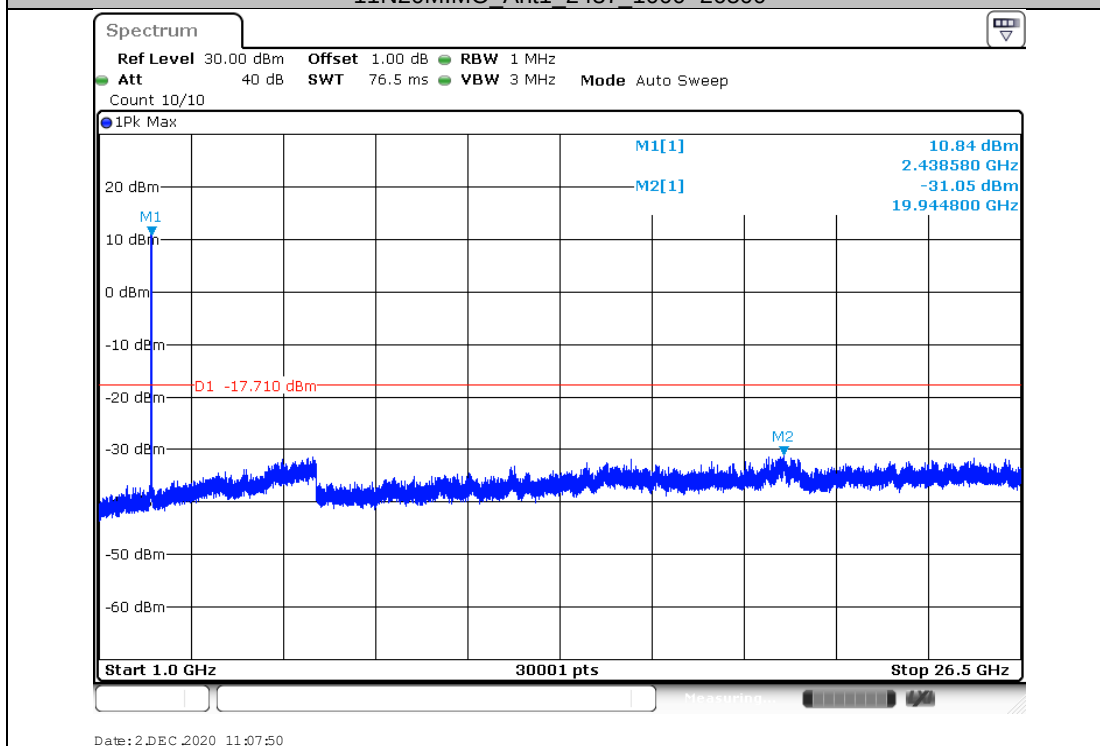


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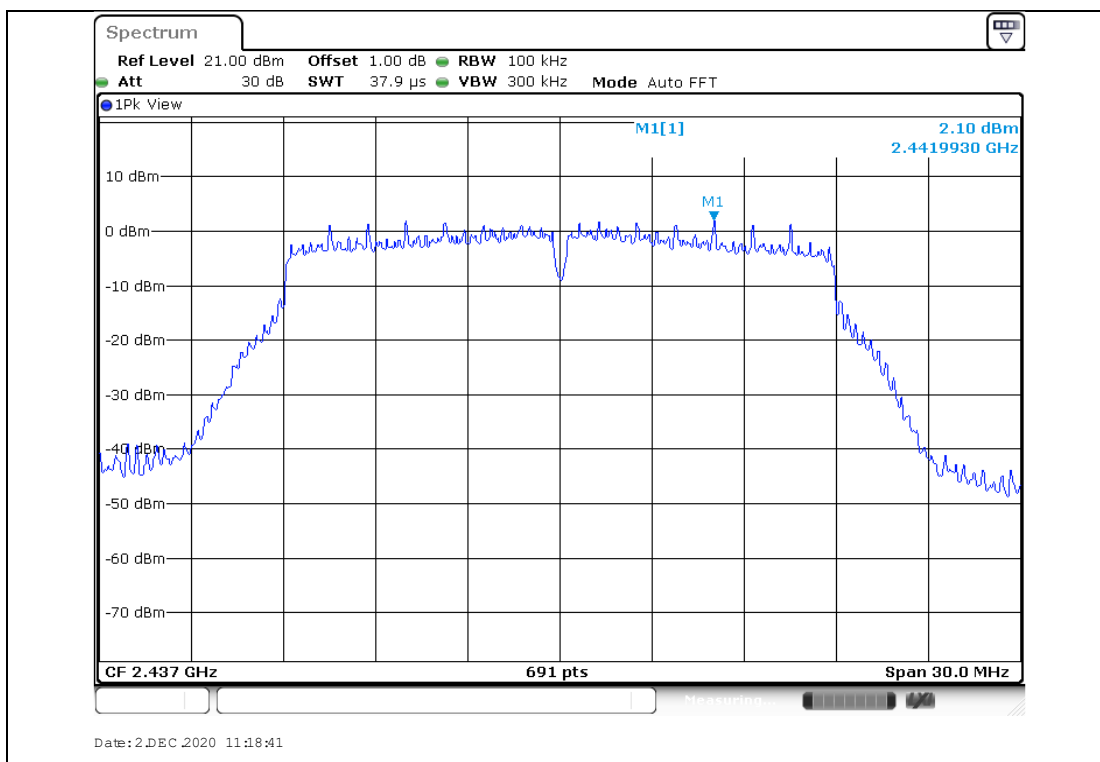


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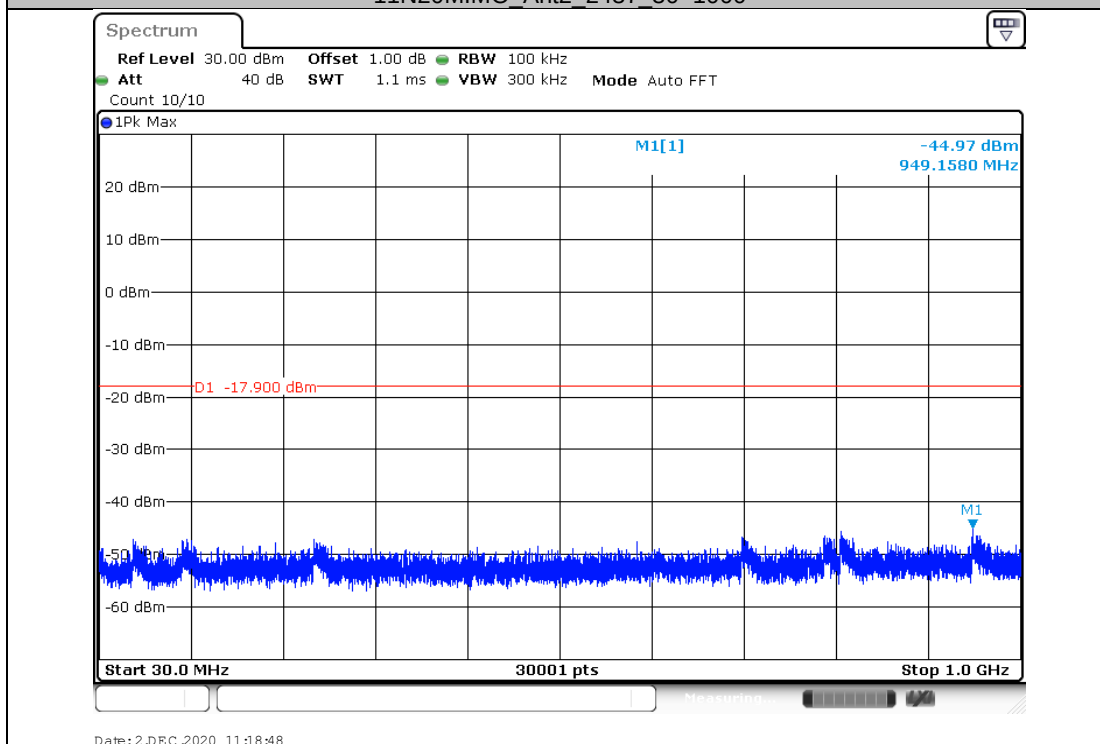


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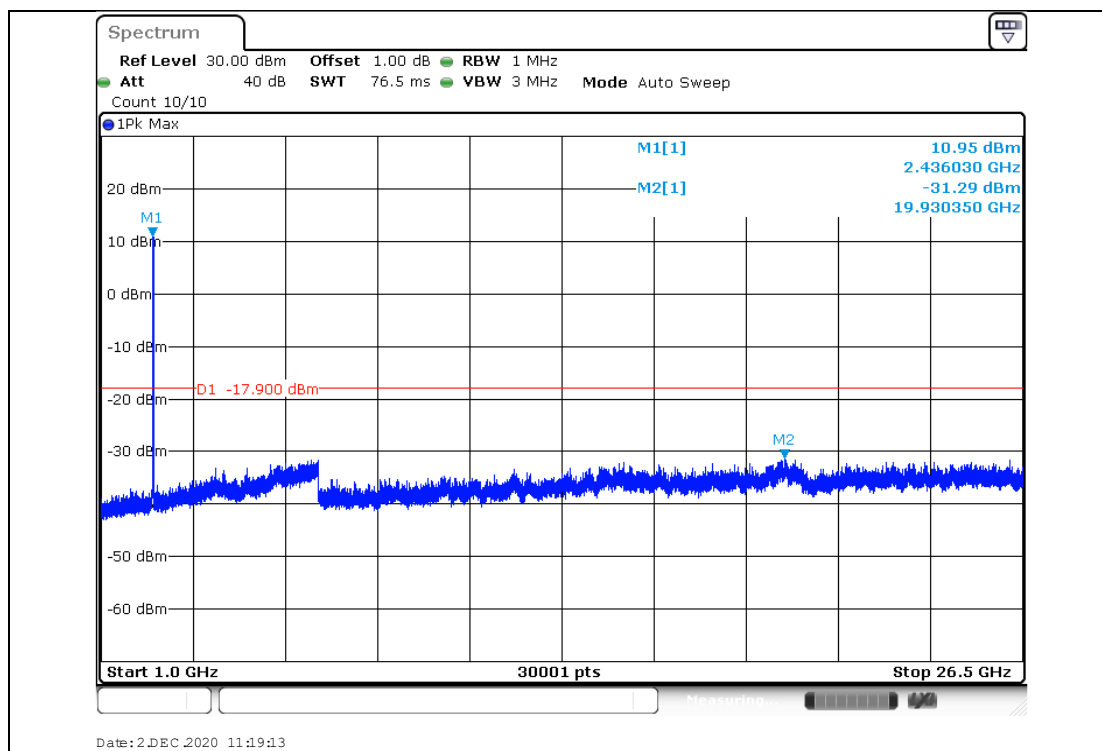


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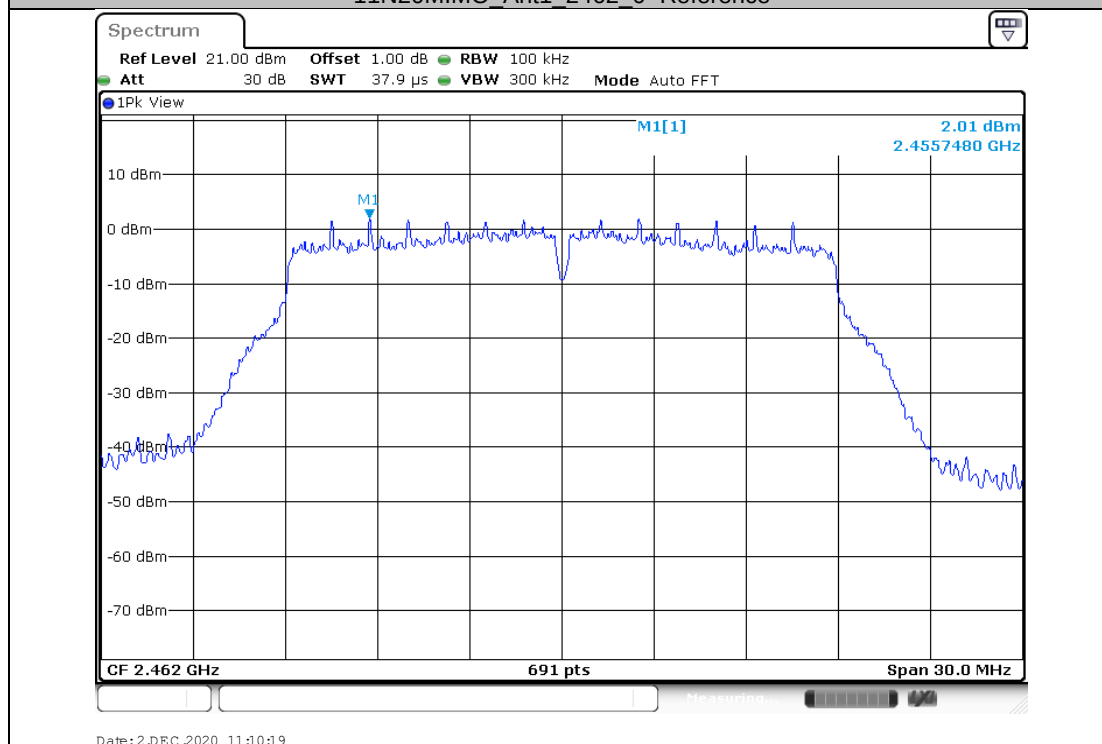


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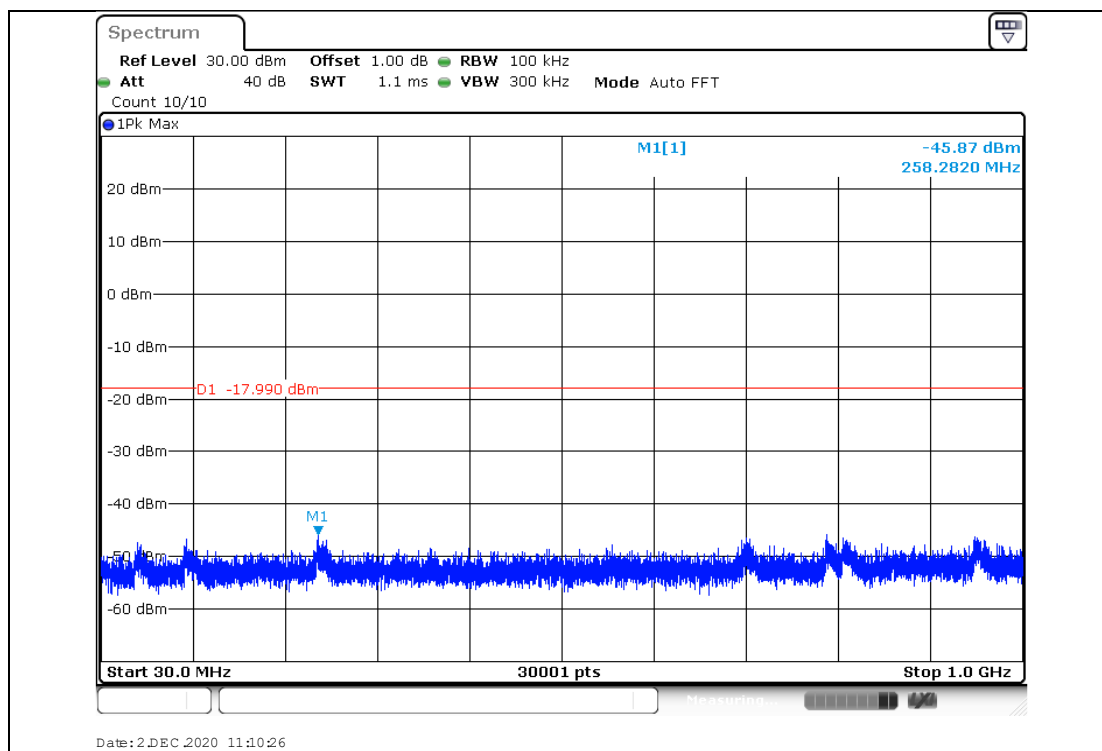


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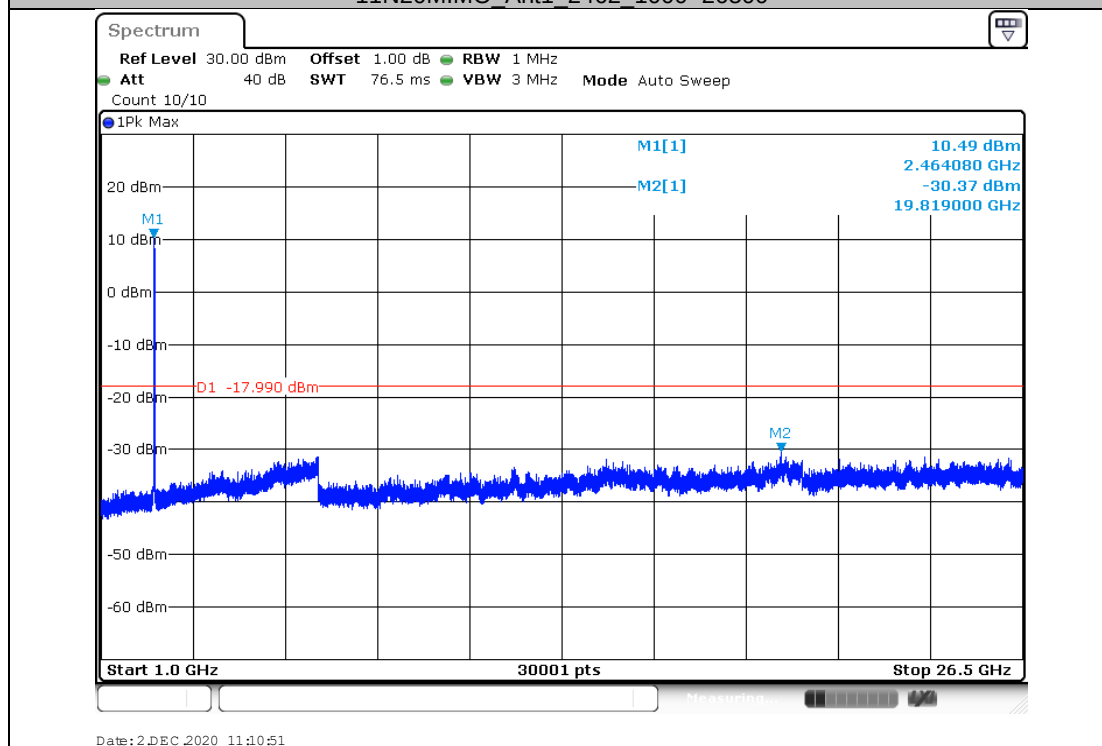


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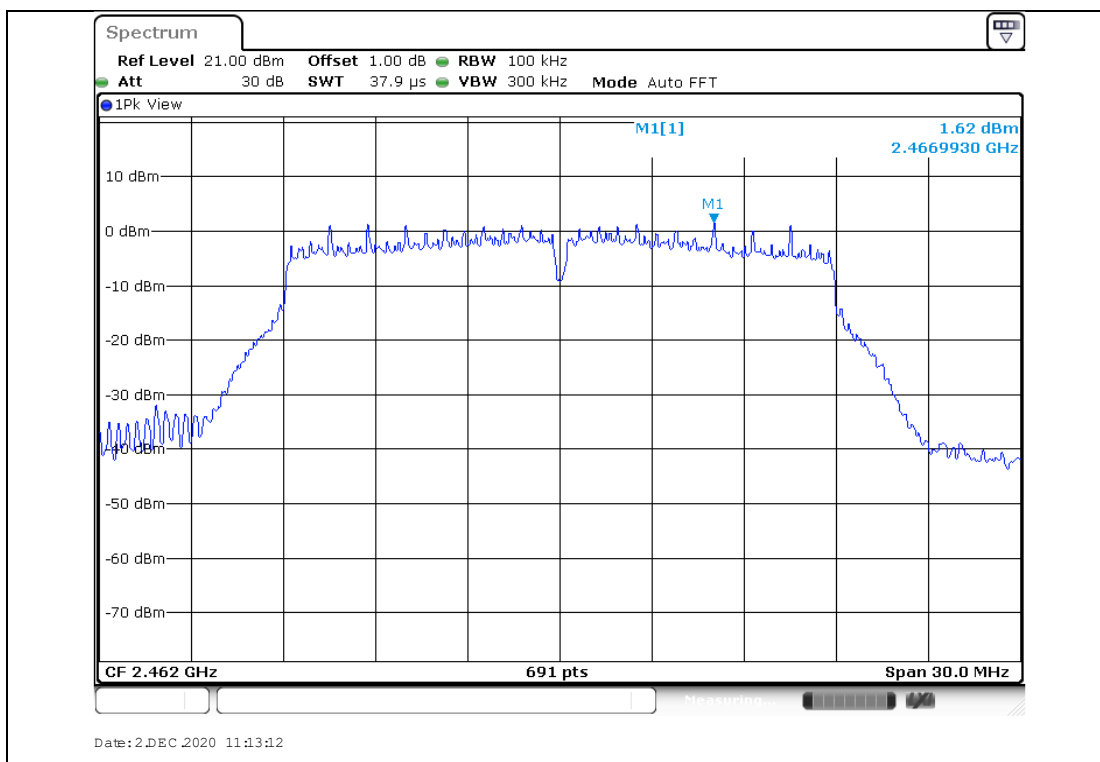


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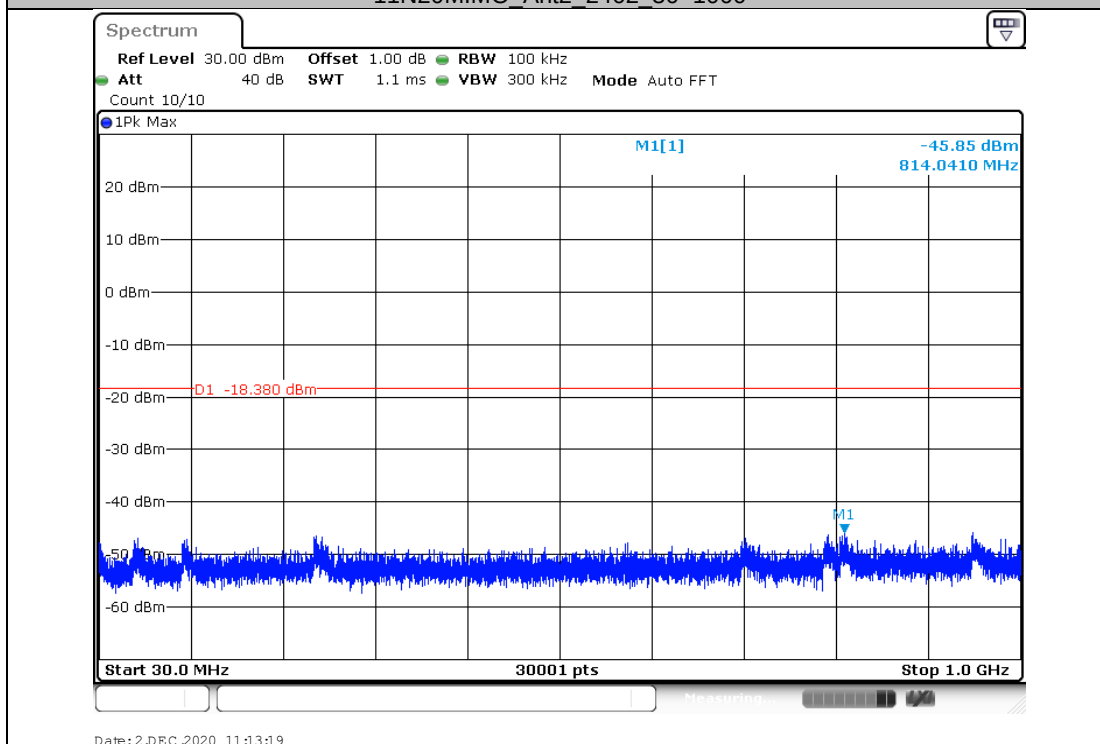


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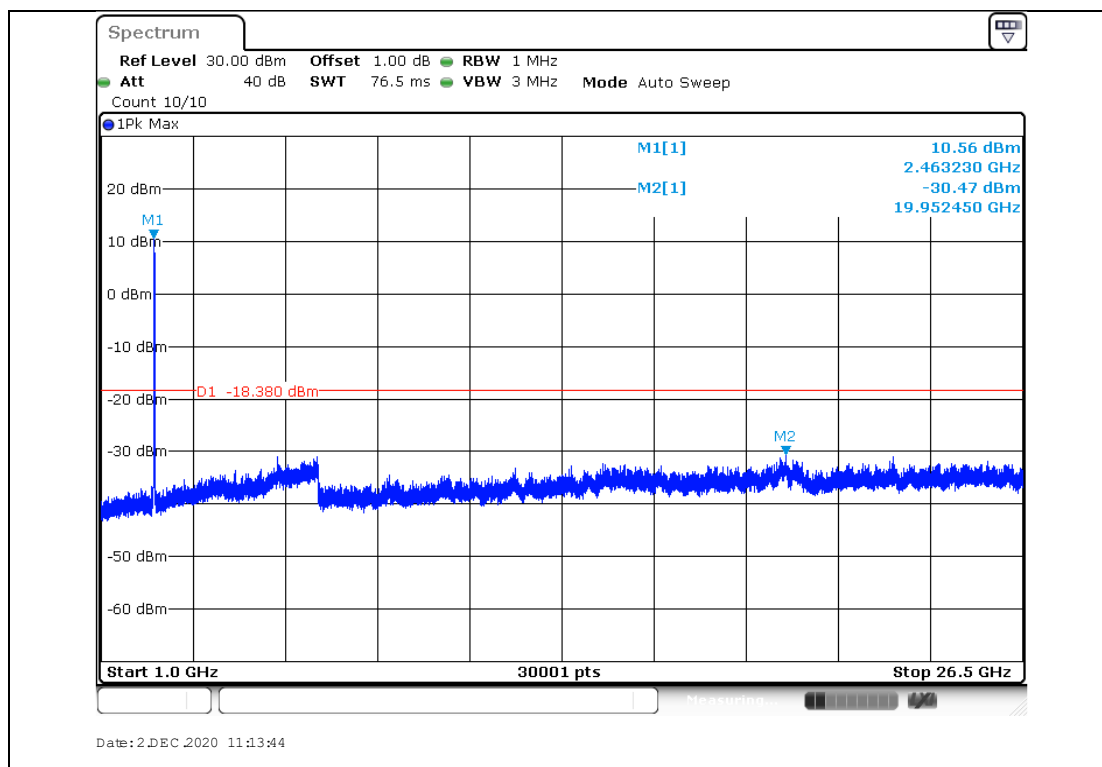


11N20MIMO_Ant2_2462_1000~26500



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Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Verdict
11B	Ant1	2412	8.39	8.43	99.53	PASS
	Ant2	2412	8.39	8.43	99.53	PASS
	Ant1	2437	8.39	8.43	99.53	PASS
	Ant2	2437	8.39	8.43	99.53	PASS
	Ant1	2462	8.39	8.43	99.53	PASS
	Ant2	2462	8.39	8.43	99.53	PASS
11G	Ant1	2412	1.39	1.43	97.20	PASS
	Ant2	2412	1.39	1.43	97.20	PASS
	Ant1	2437	1.39	1.43	97.20	PASS
	Ant2	2437	1.39	1.43	97.20	PASS
	Ant1	2462	1.39	1.43	97.20	PASS
	Ant2	2462	1.39	1.43	97.20	PASS
11N20SISO	Ant1	2412	1.30	1.34	97.01	PASS
	Ant2	2412	1.30	1.34	97.01	PASS
	Ant1	2437	1.30	1.34	97.01	PASS
	Ant2	2437	1.30	1.34	97.01	PASS
	Ant1	2462	1.30	1.34	97.01	PASS
	Ant2	2462	1.30	1.34	97.01	PASS
11G-CDD	Ant1	2412	1.39	1.43	97.20	PASS
	Ant2	2412	1.38	1.43	96.50	PASS
	Ant1	2437	1.39	1.43	97.20	PASS
	Ant2	2437	1.38	1.43	96.50	PASS
	Ant1	2462	1.39	1.43	97.20	PASS
	Ant2	2462	1.38	1.43	96.50	PASS
11N20MIMO	Ant1	2412	1.30	1.34	97.01	PASS
	Ant2	2412	1.30	1.34	97.01	PASS
	Ant1	2437	1.30	1.34	97.01	PASS
	Ant2	2437	1.30	1.34	97.01	PASS



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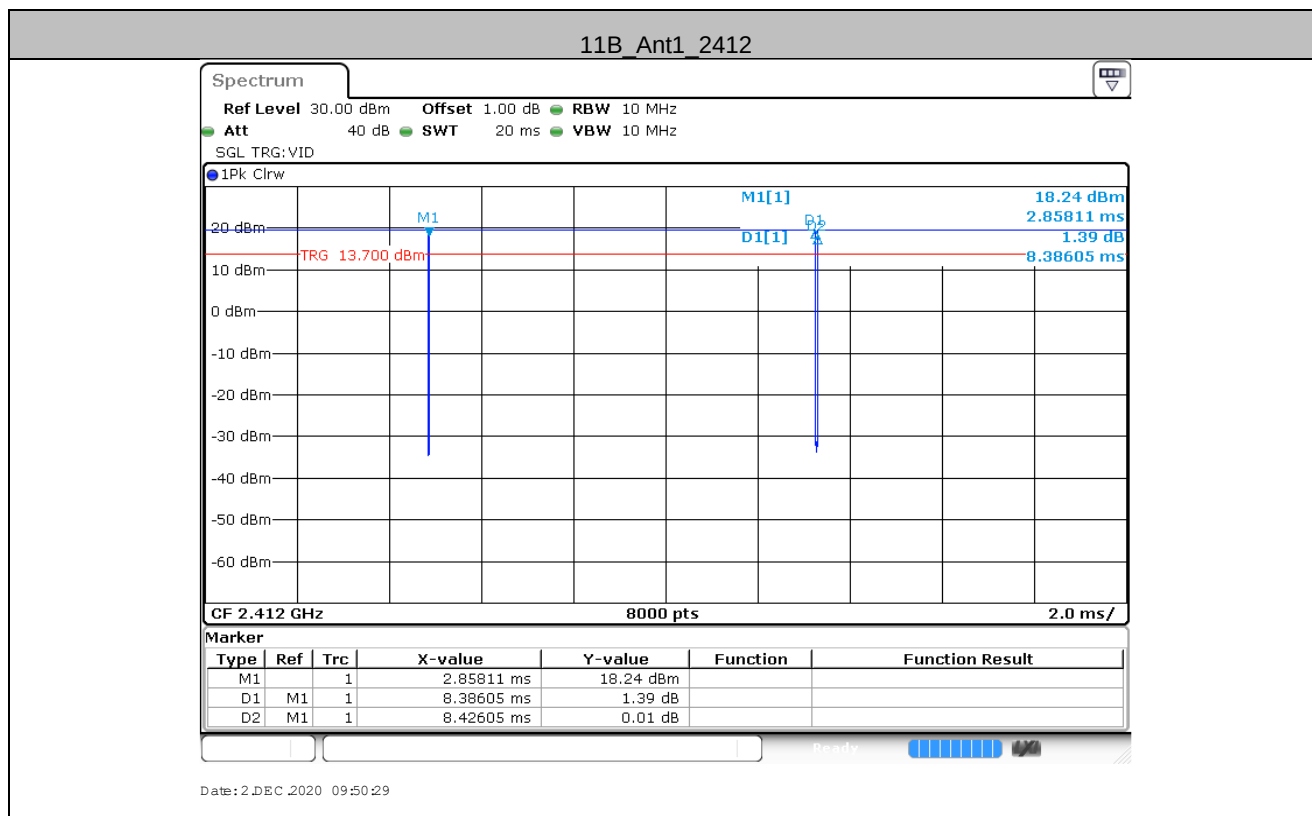
	Ant1	2462	1.30	1.34	97.01	PASS
	Ant2	2462	1.30	1.34	97.01	PASS



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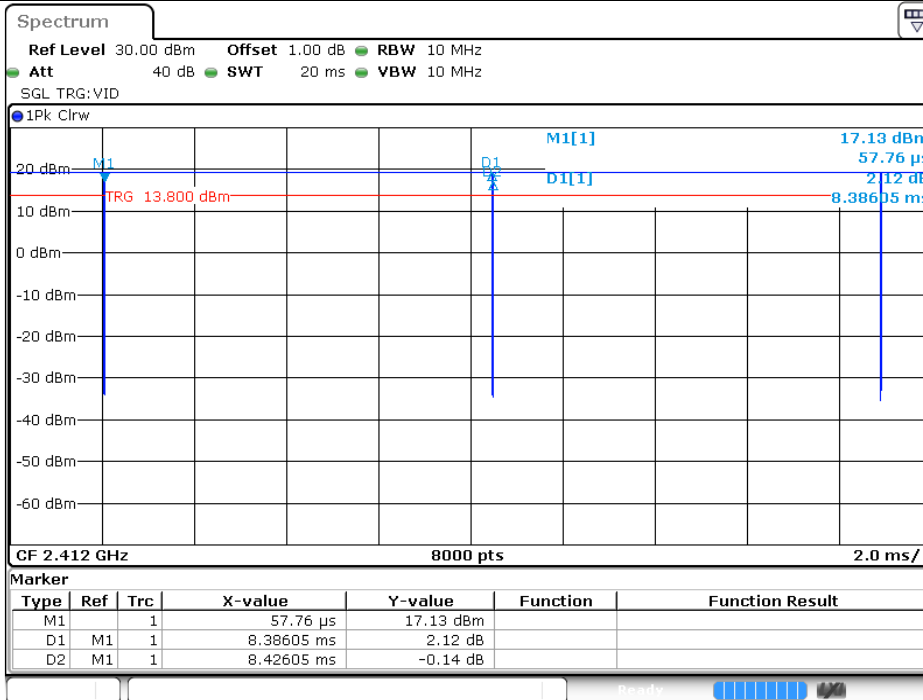
7.1.1 Test Graphs



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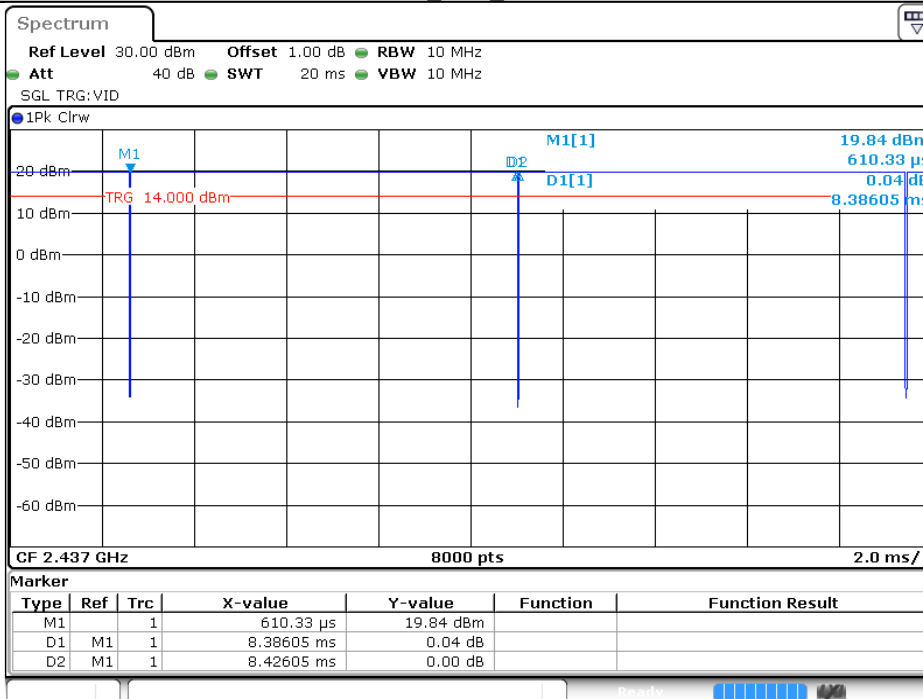
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11B Ant2 2412



Date: 2.DEC.2020 10:15:38

11B Ant1 2437



Date: 2.DEC.2020 09:52:59

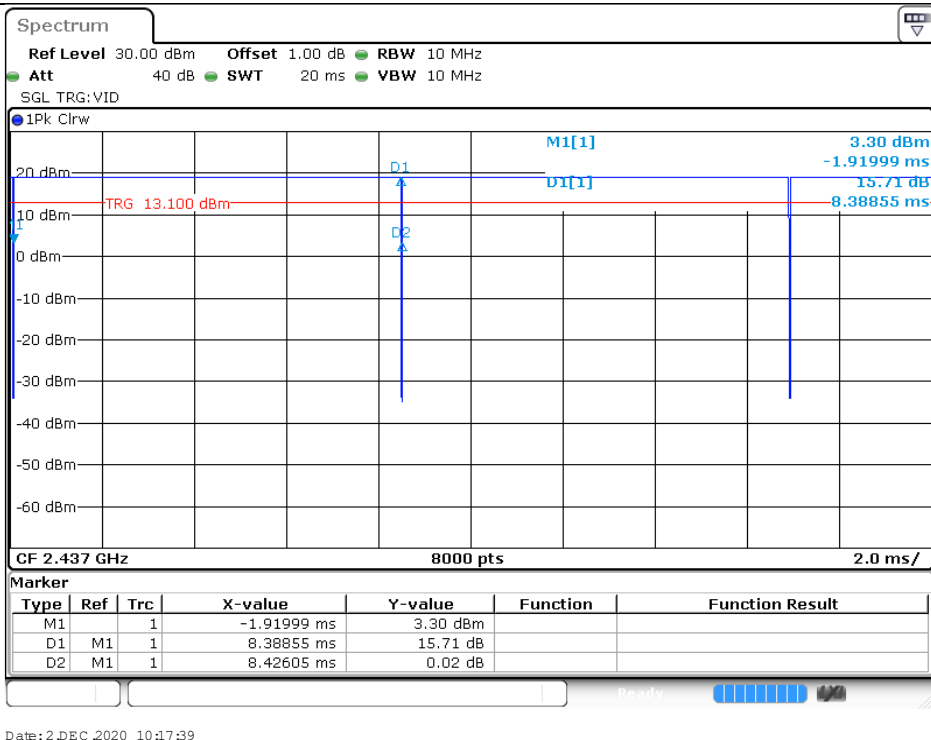
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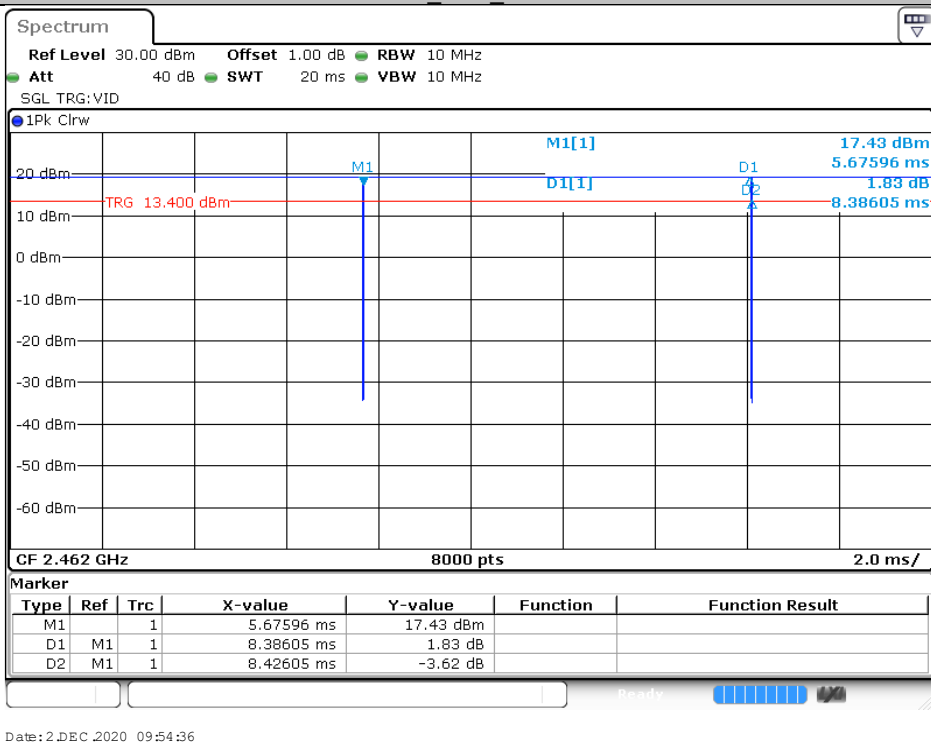
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11B_Ant1_2462

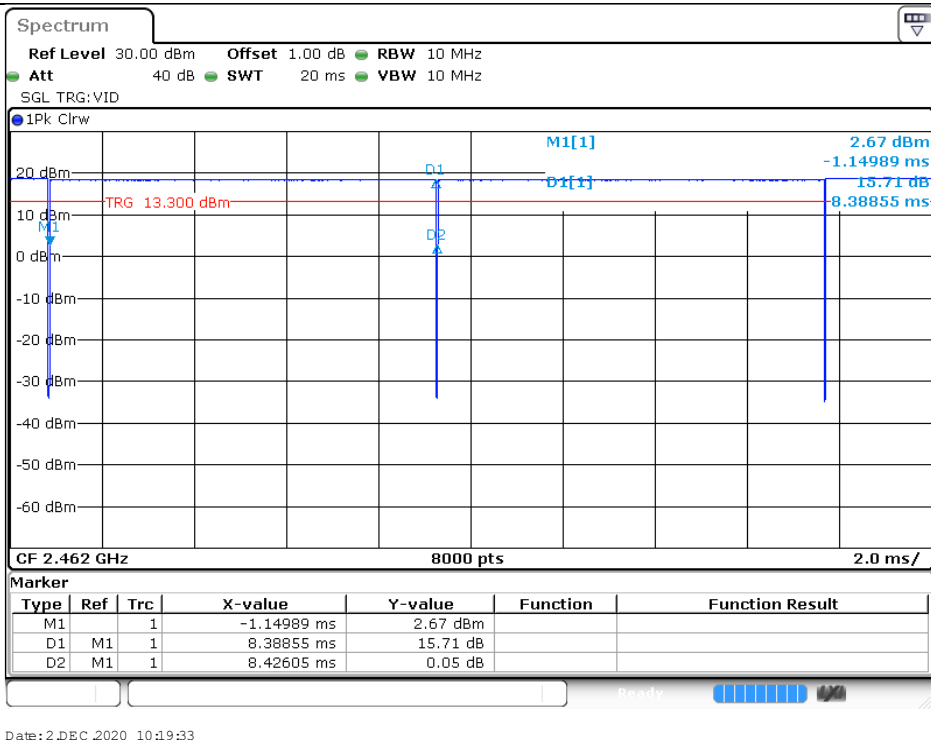


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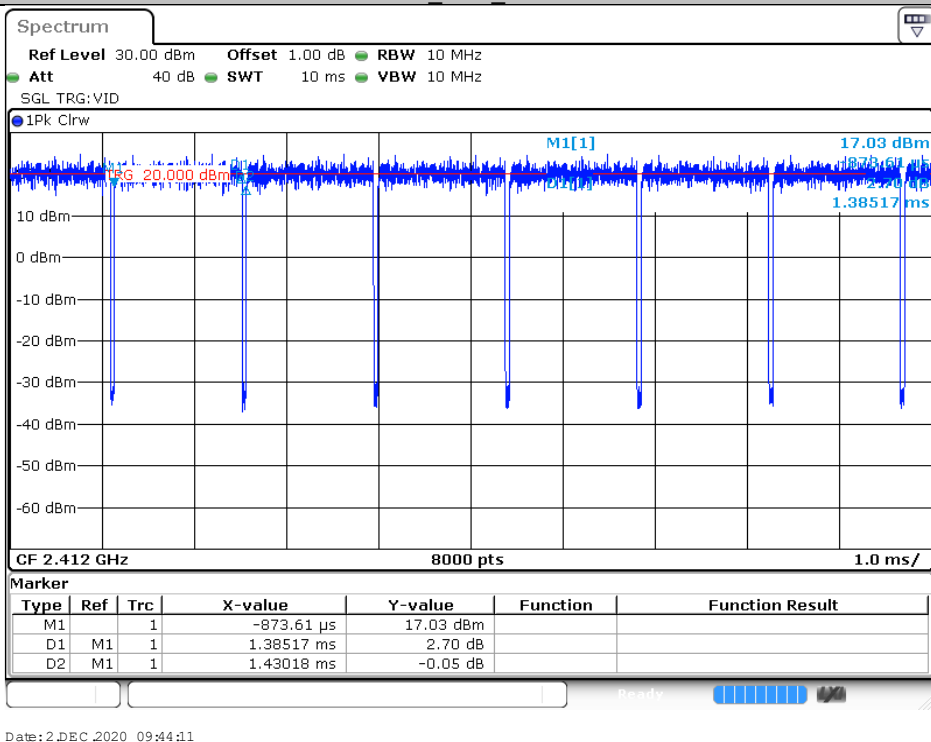


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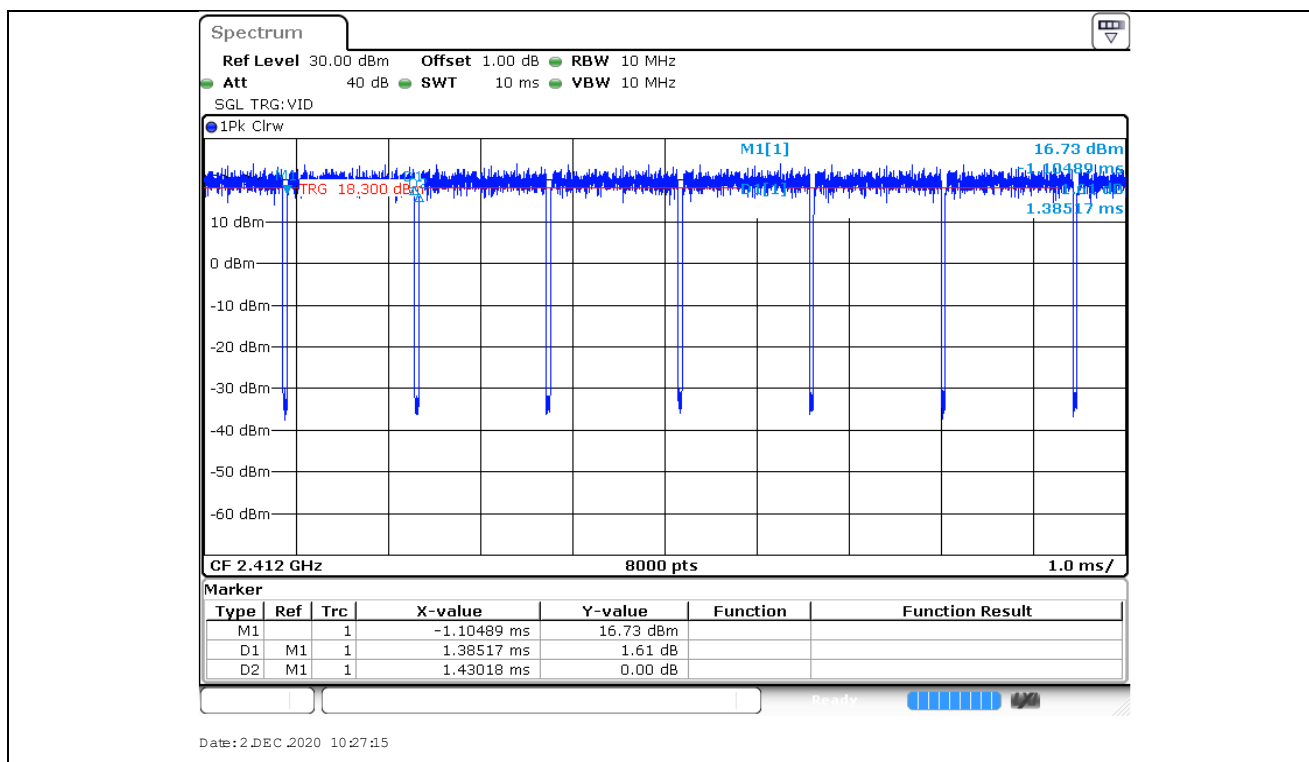


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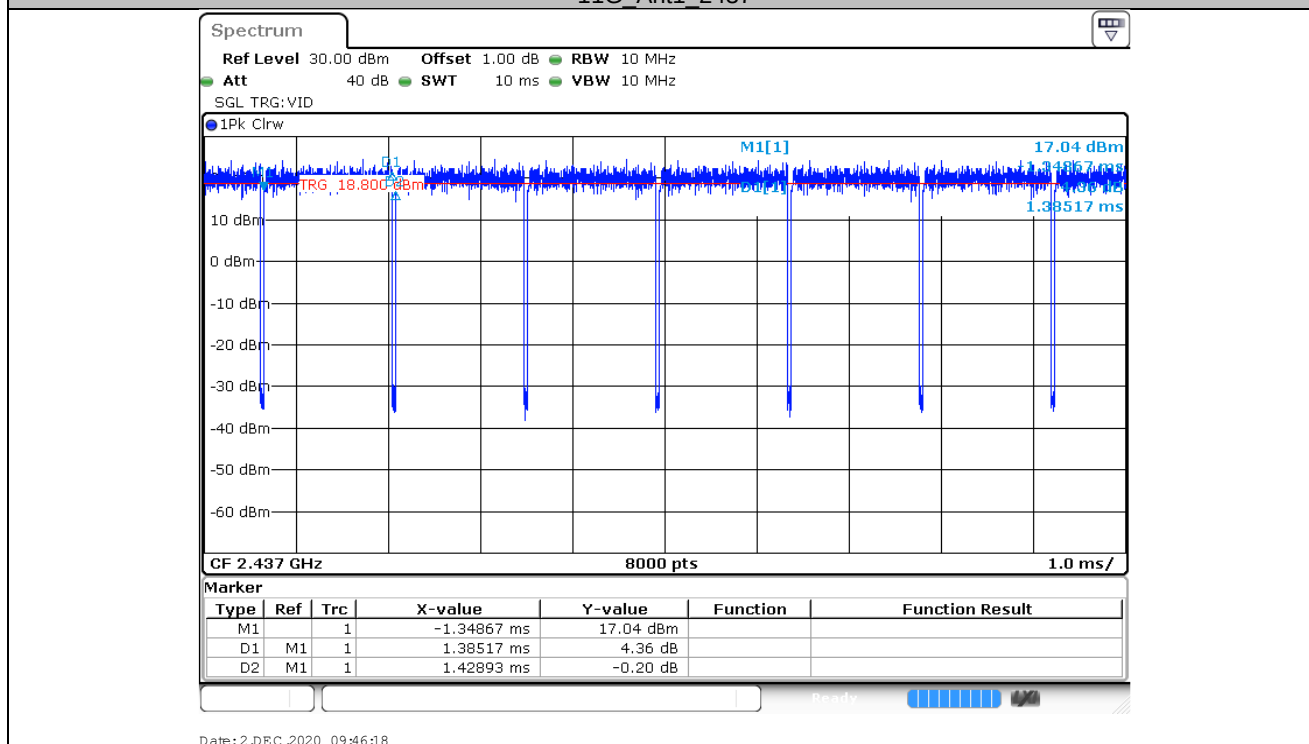


11G_Ant2_2412





11G_Ant1_2437



11G_Ant2_2437

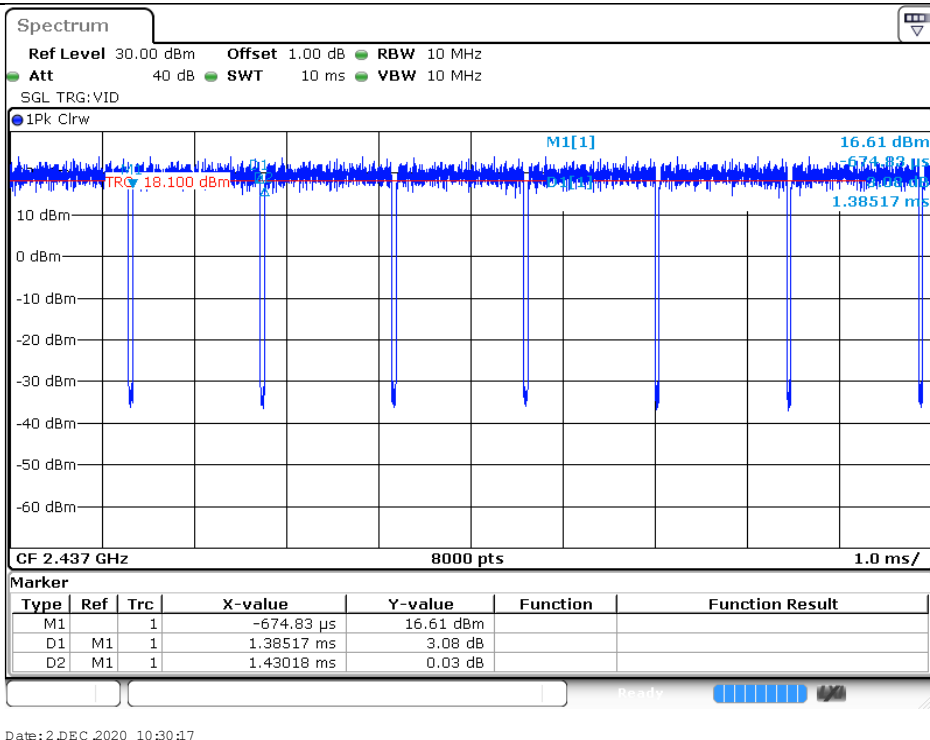


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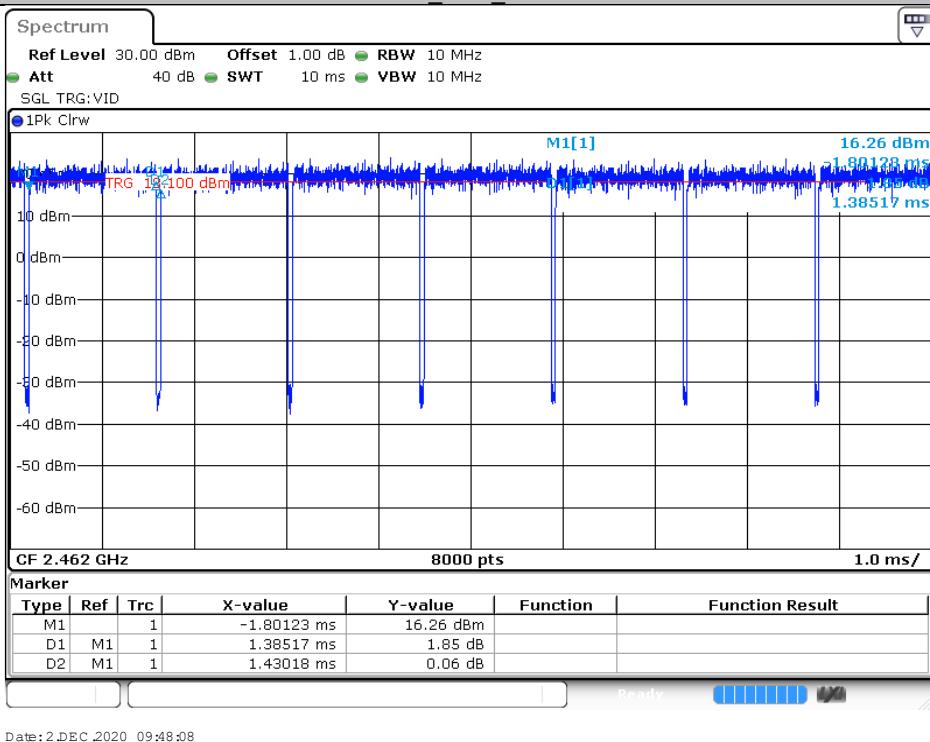
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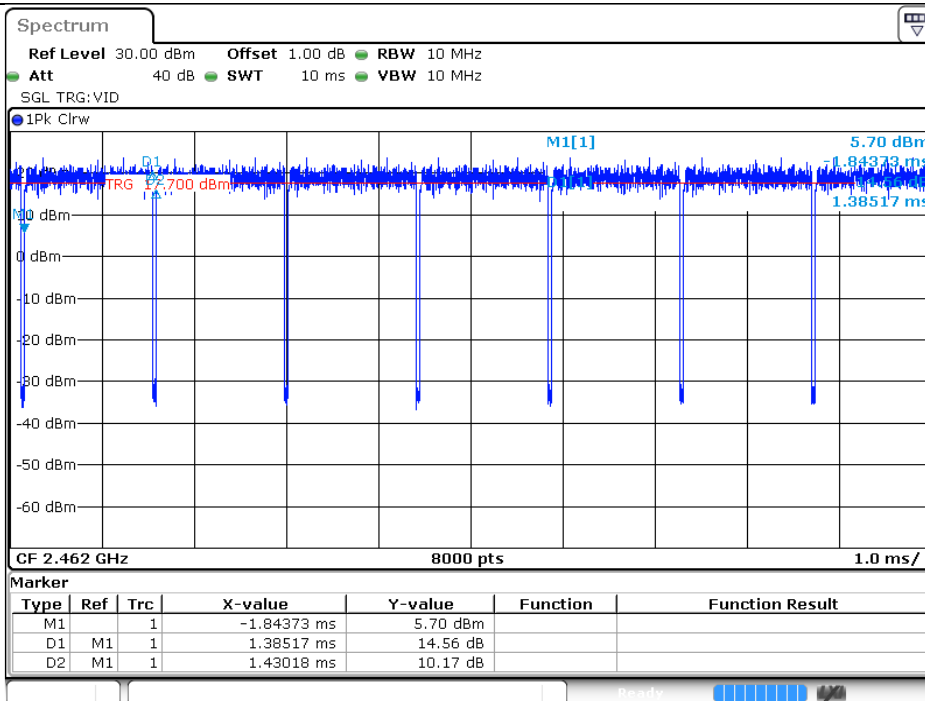


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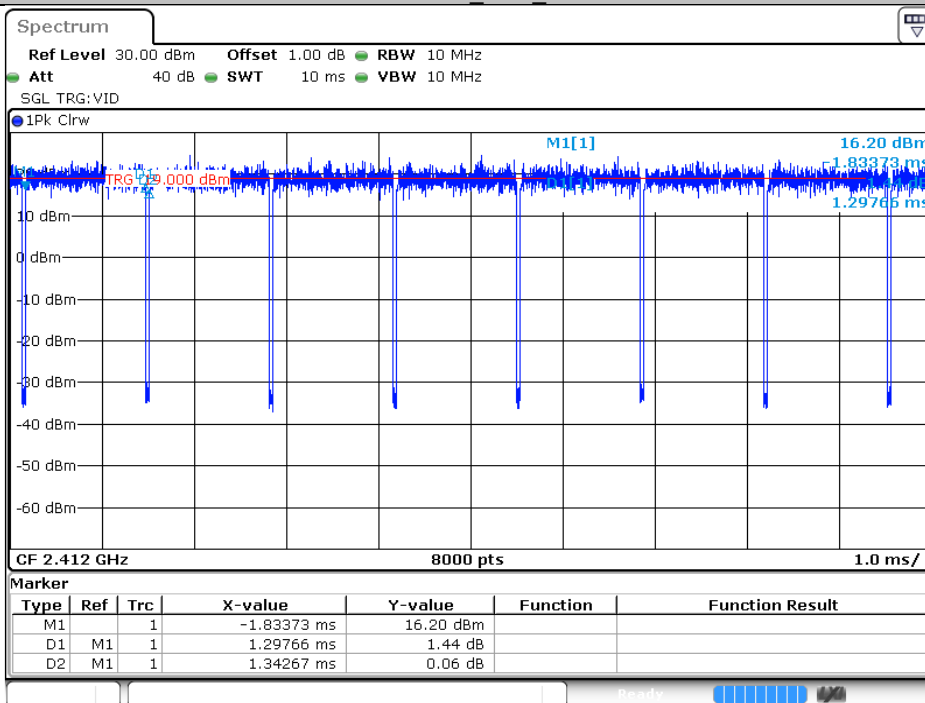
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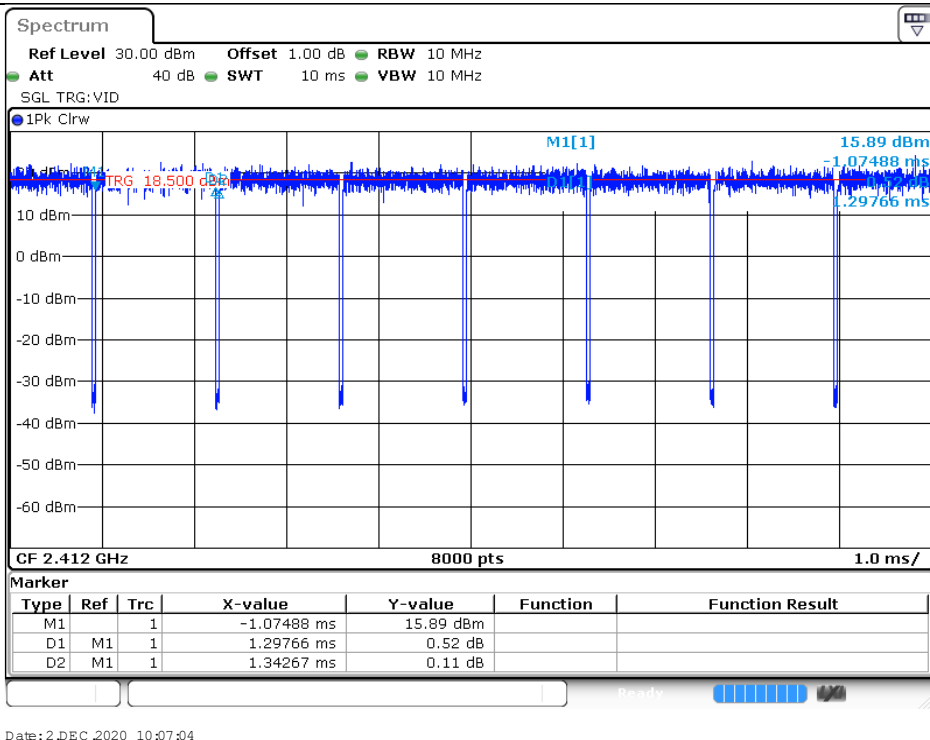
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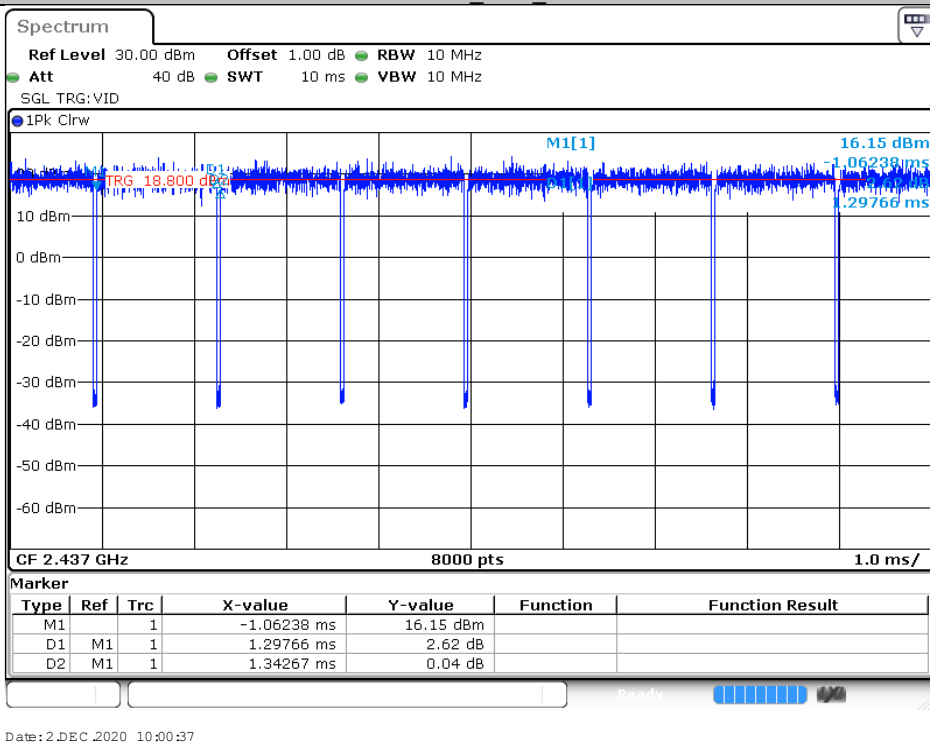


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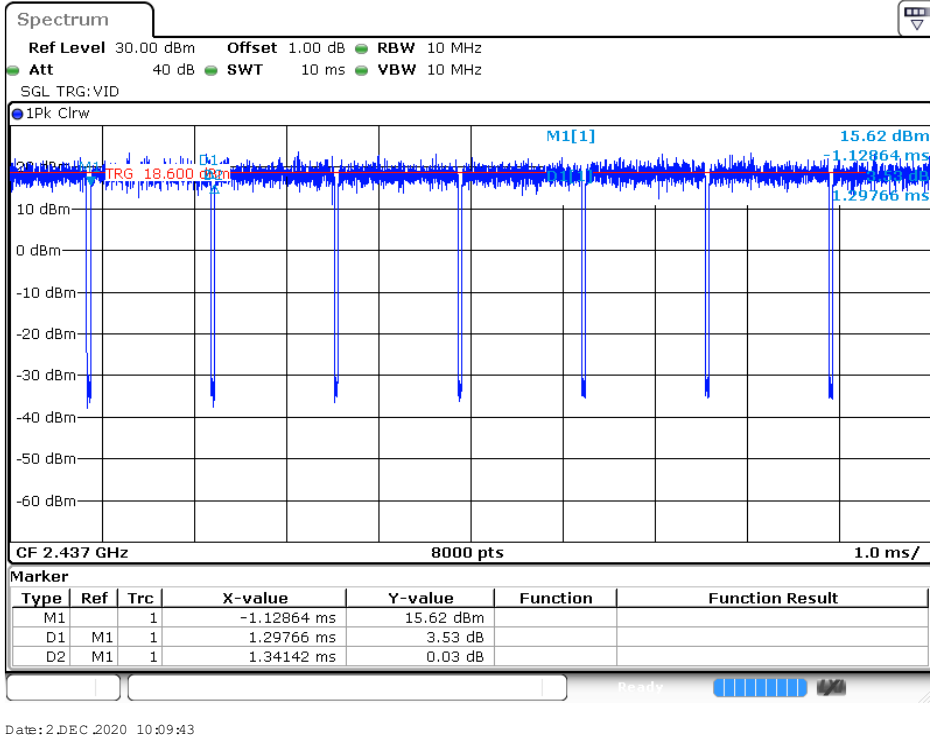


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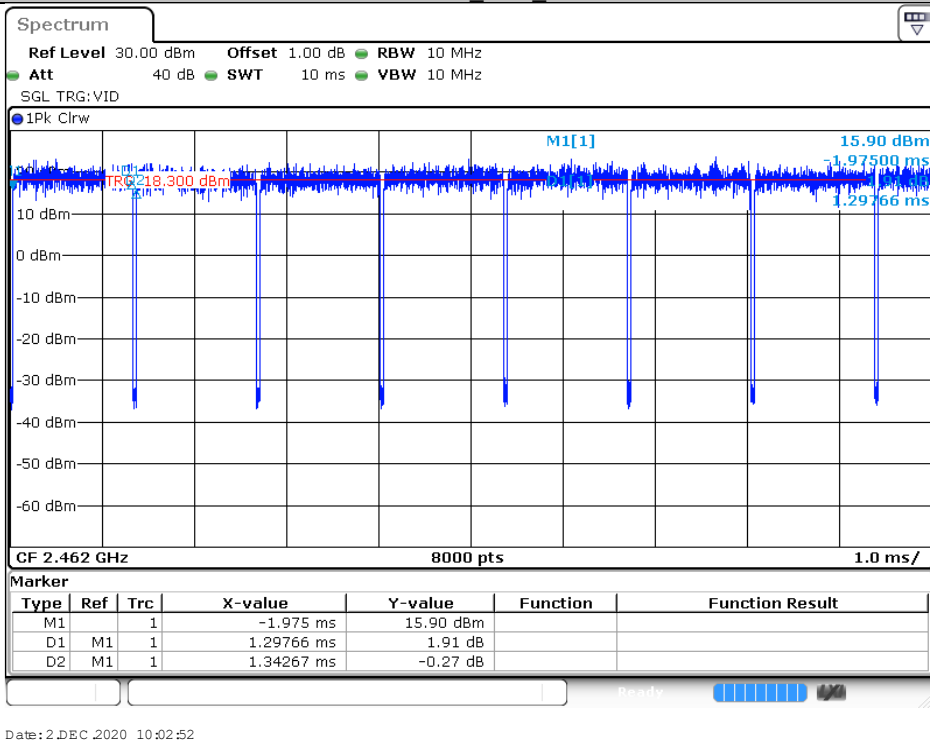


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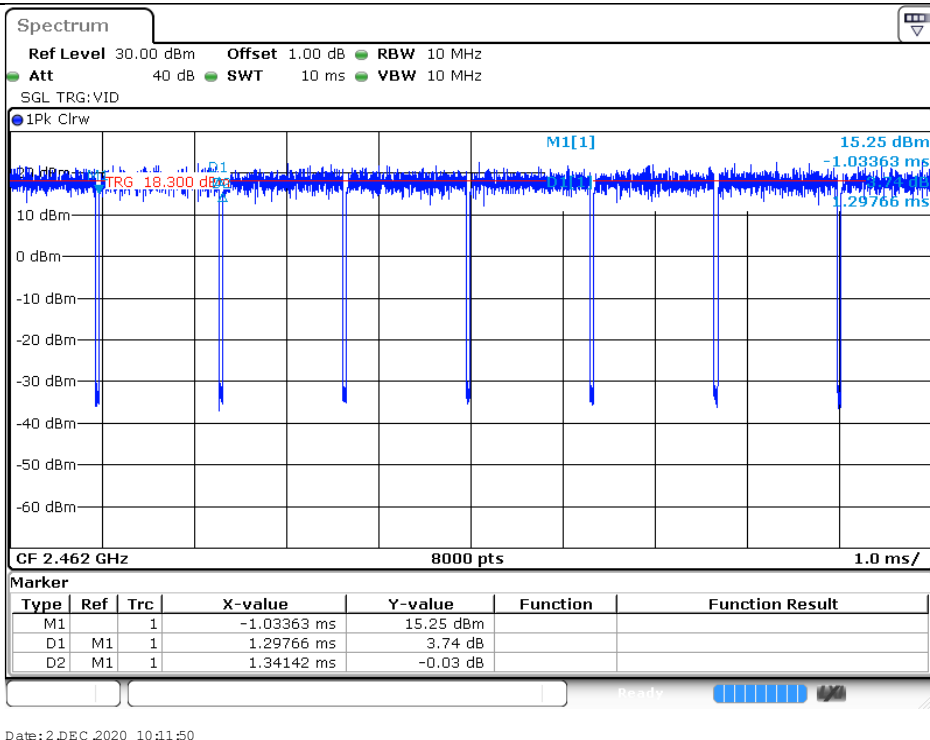


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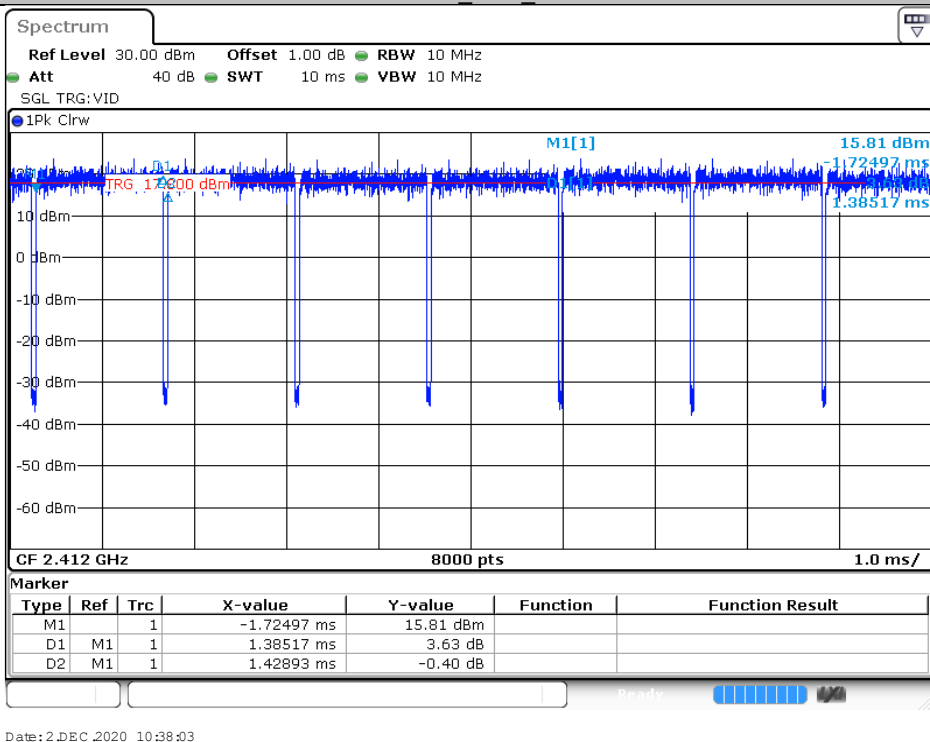


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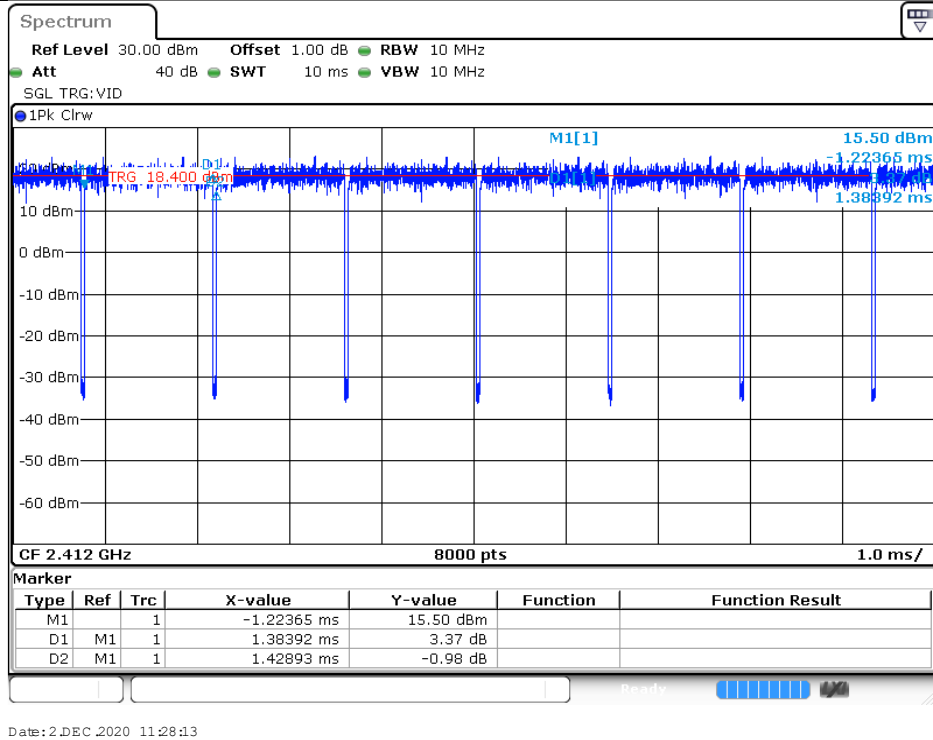


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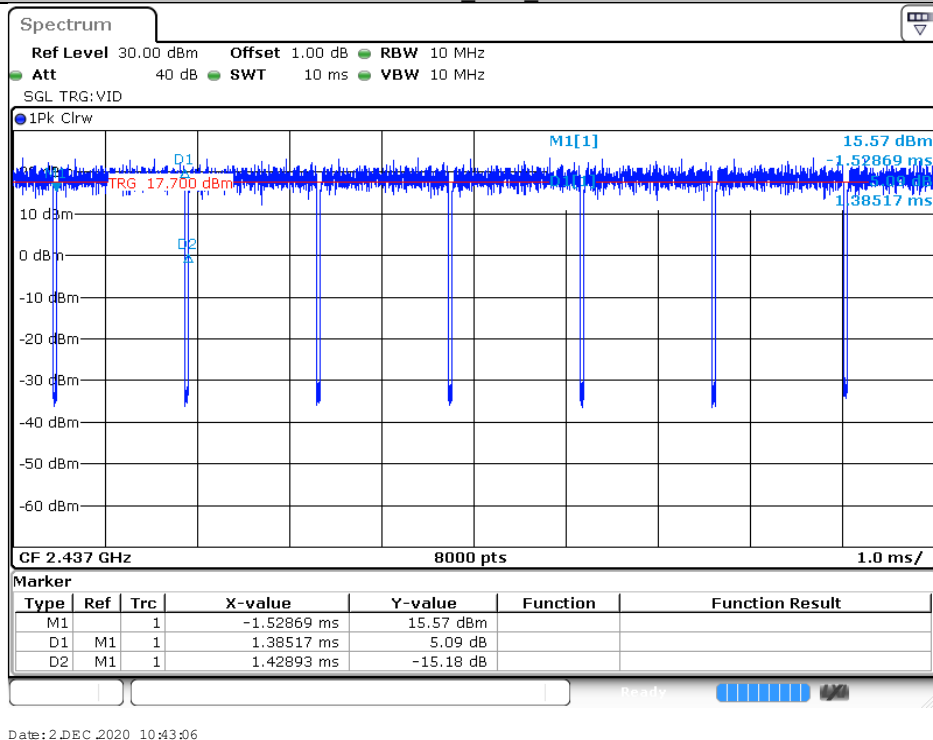


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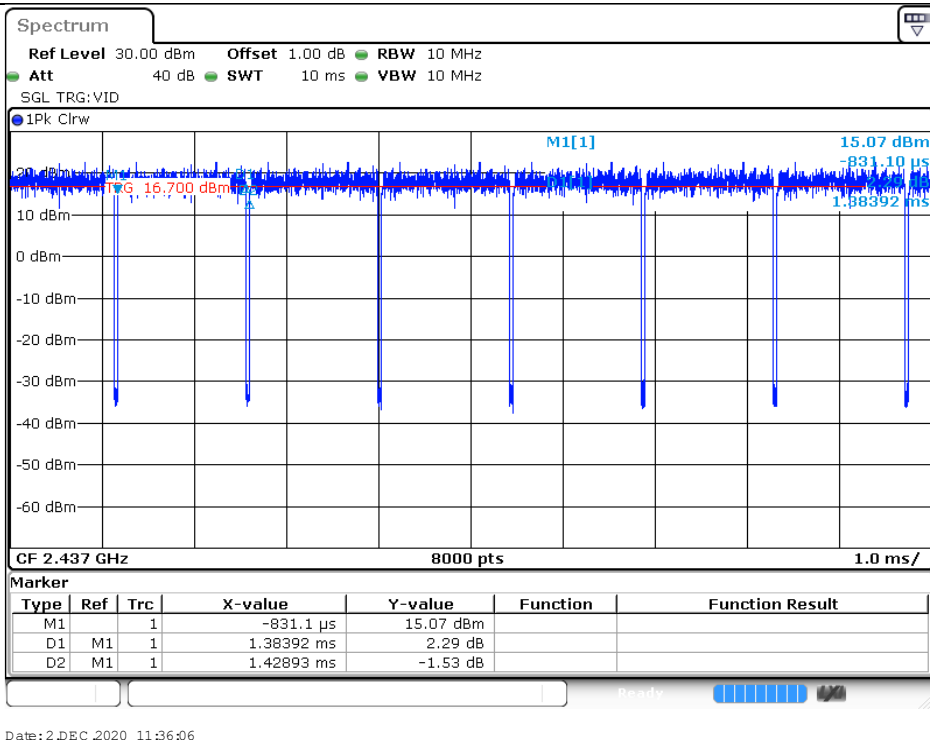


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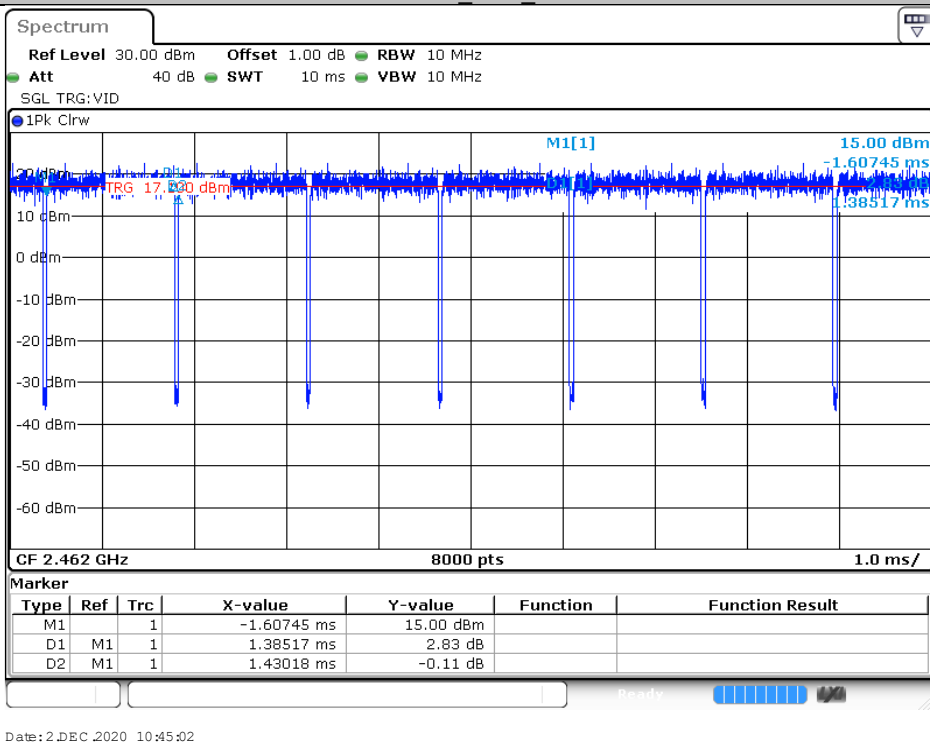


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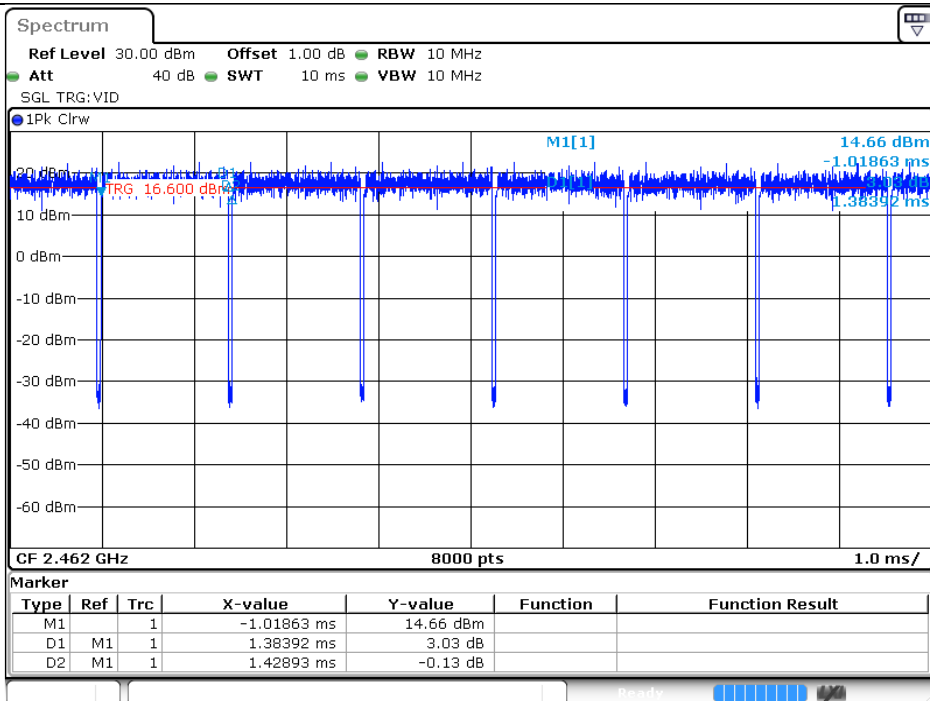


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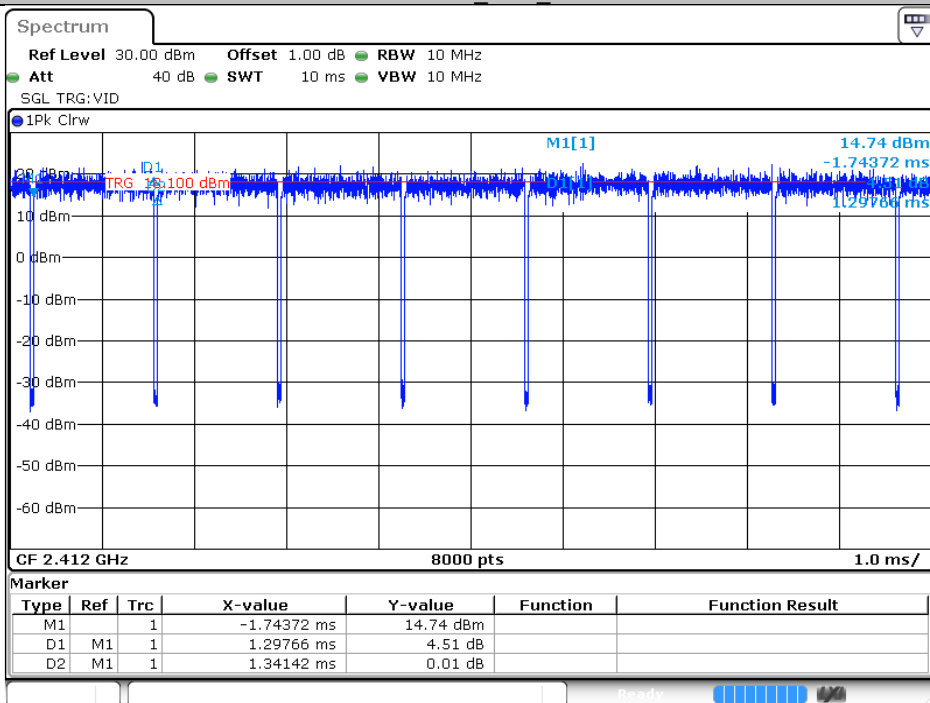
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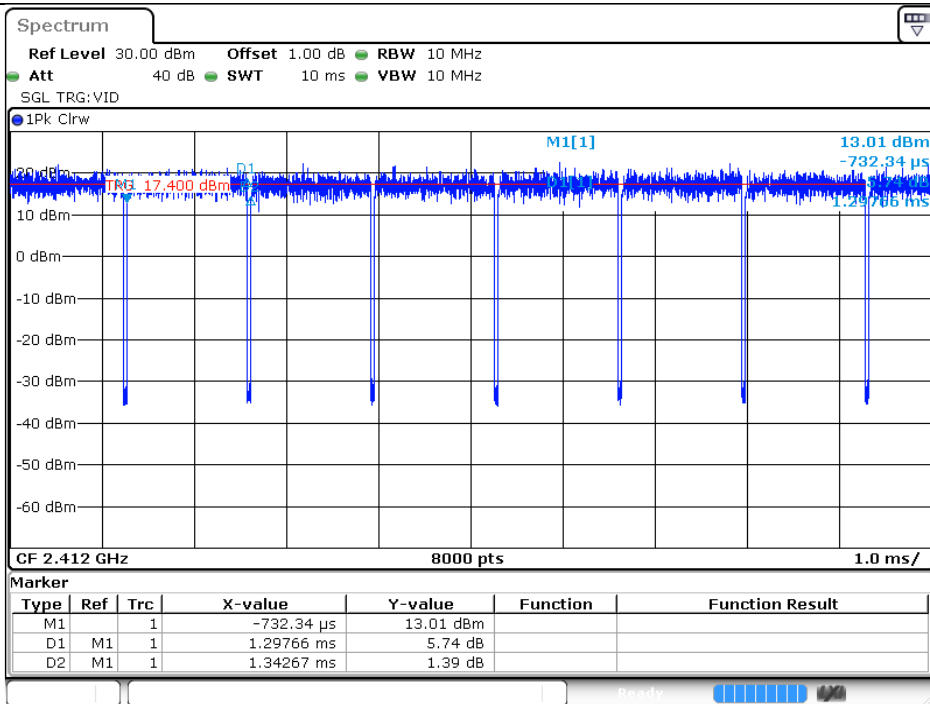
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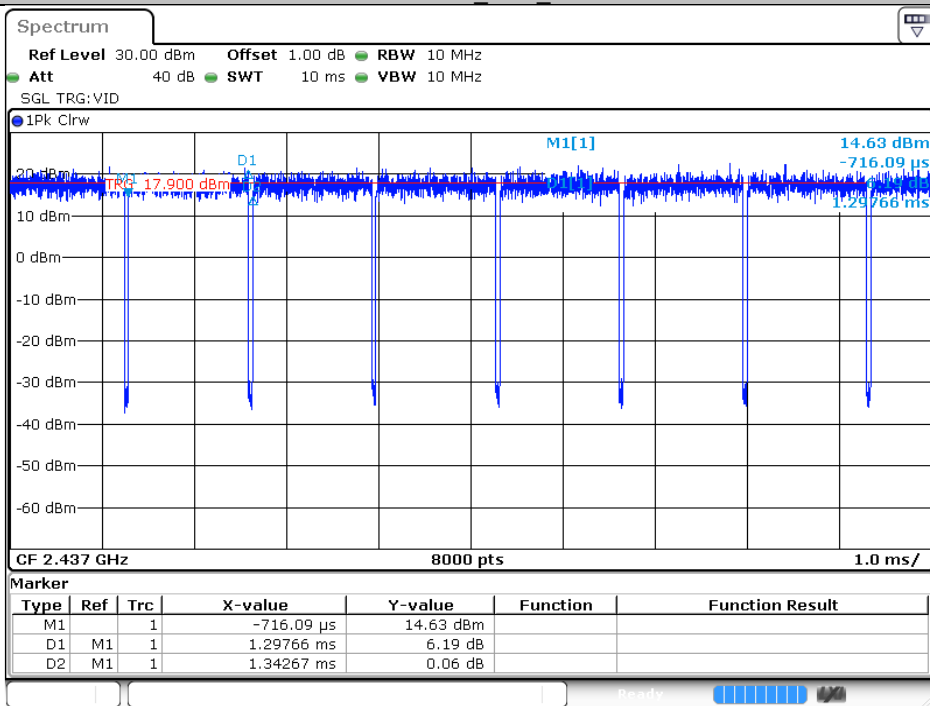
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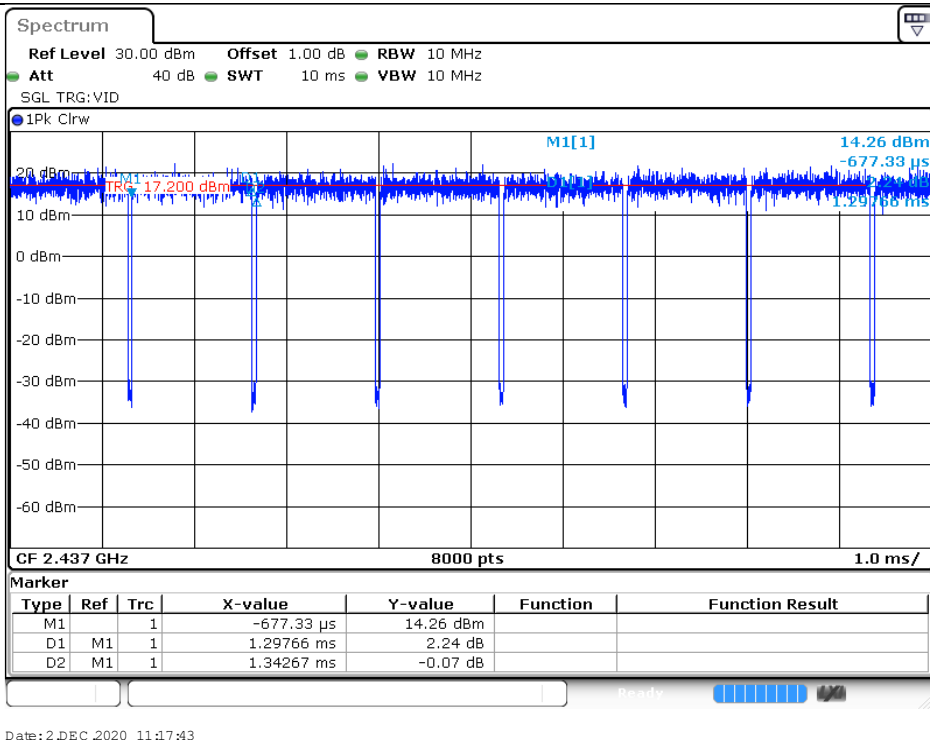


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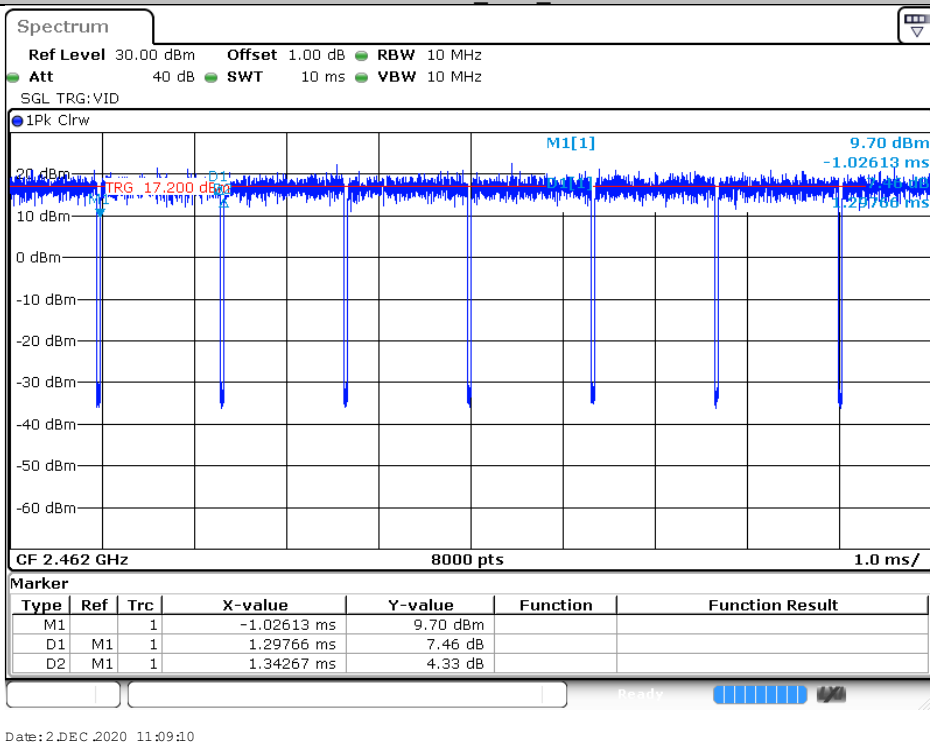


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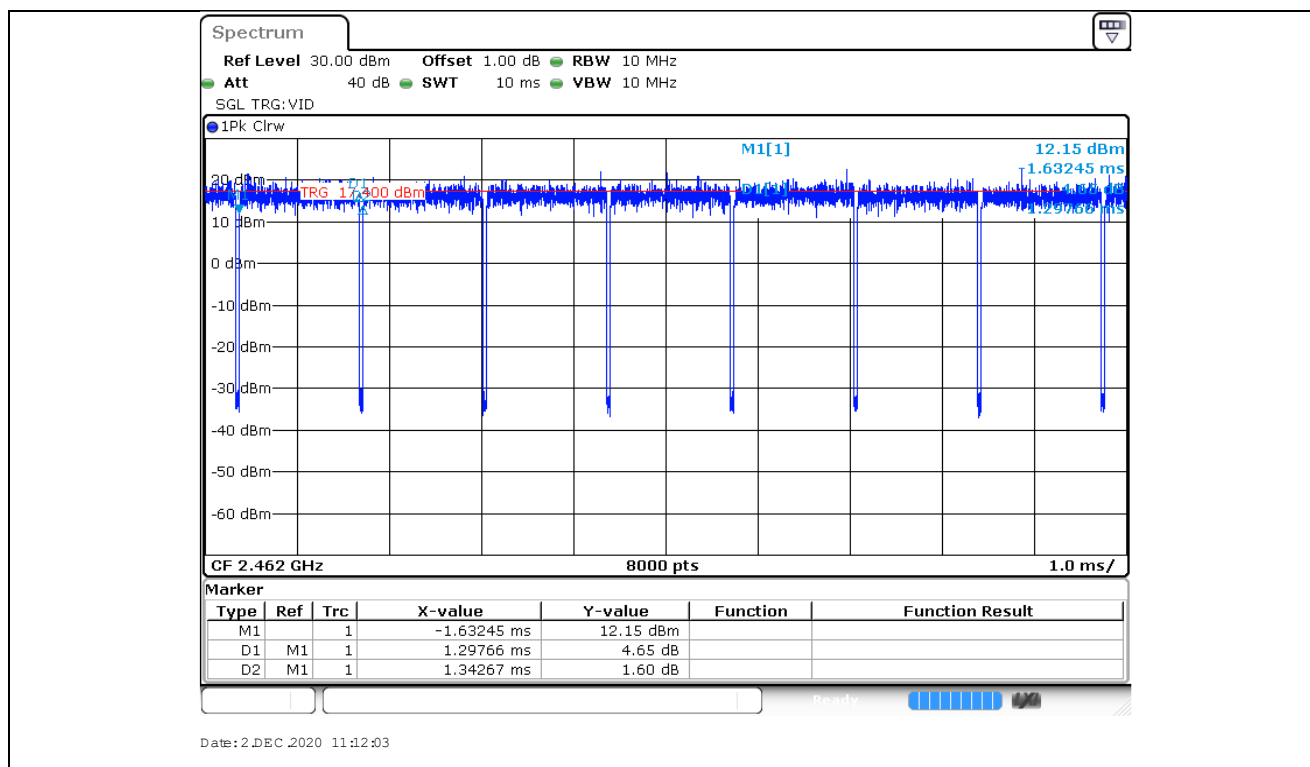


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11N20MIMO_Ant2_2462





The End

