

Appendix: 5G Wi-Fi Band 1

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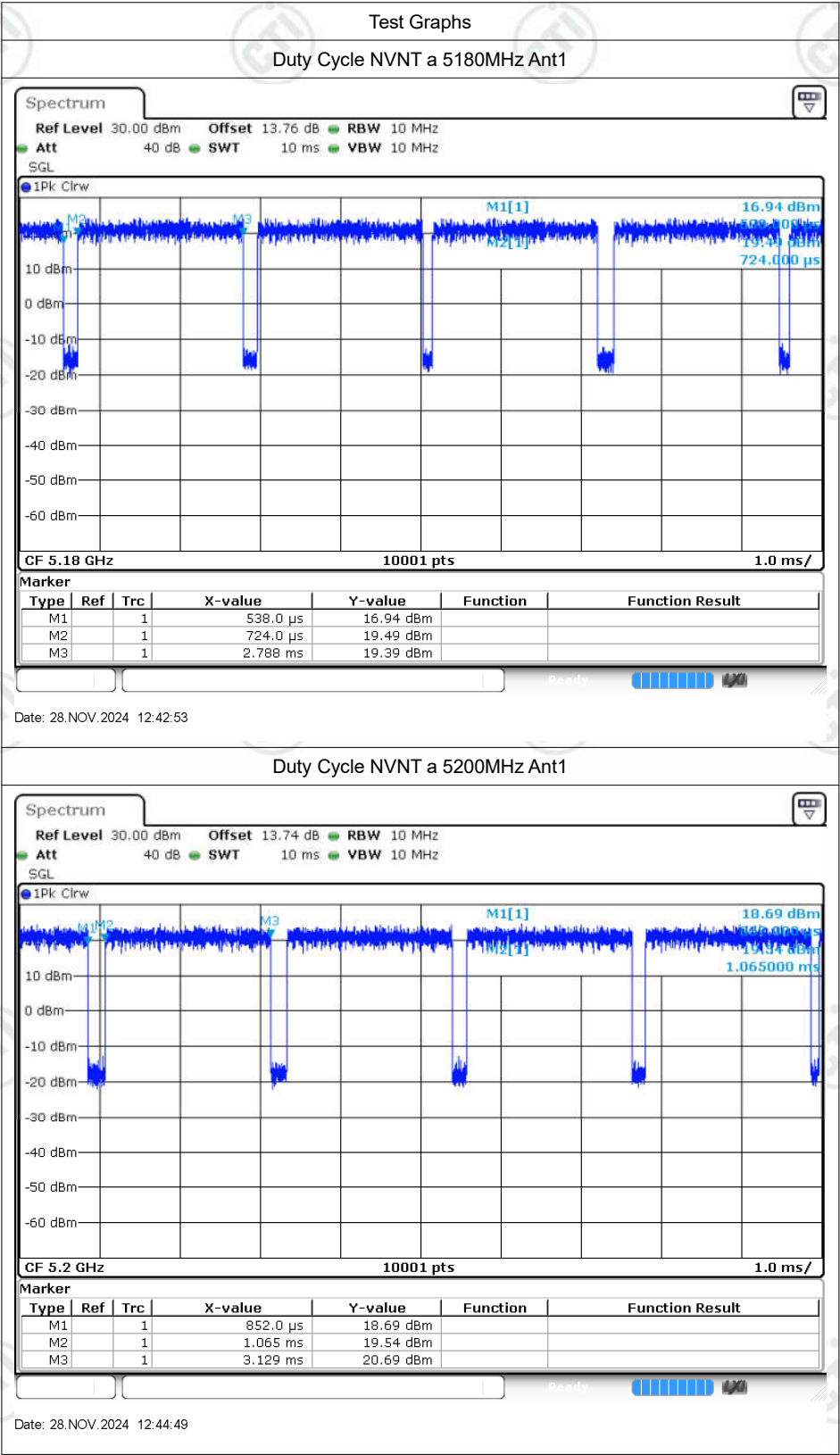
Maximum Power Spectral Density Level 19

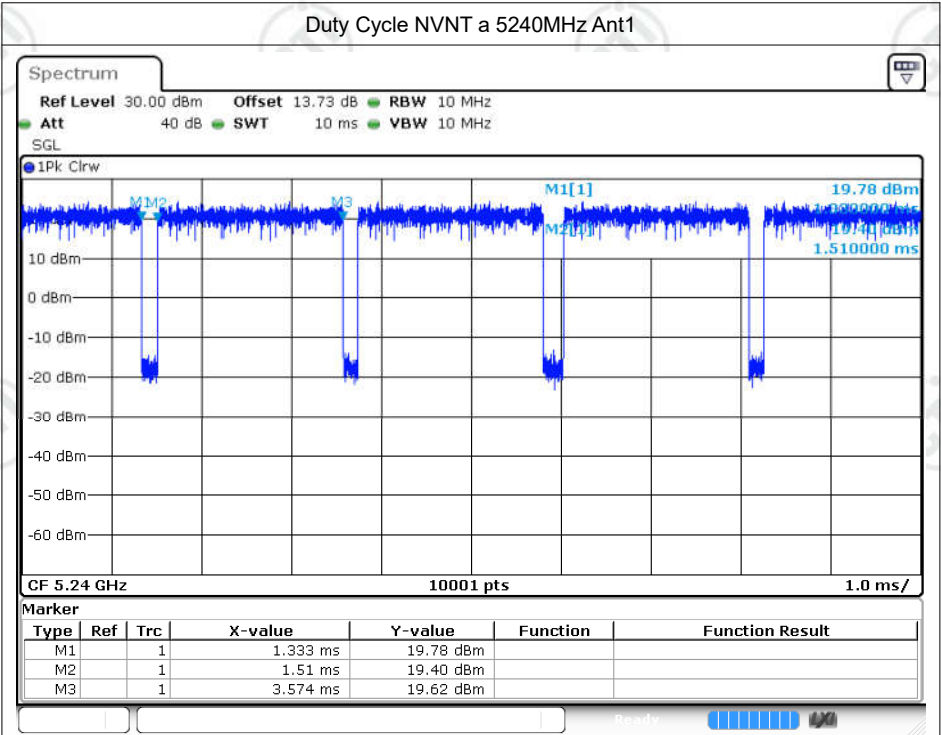
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Duty Cycle

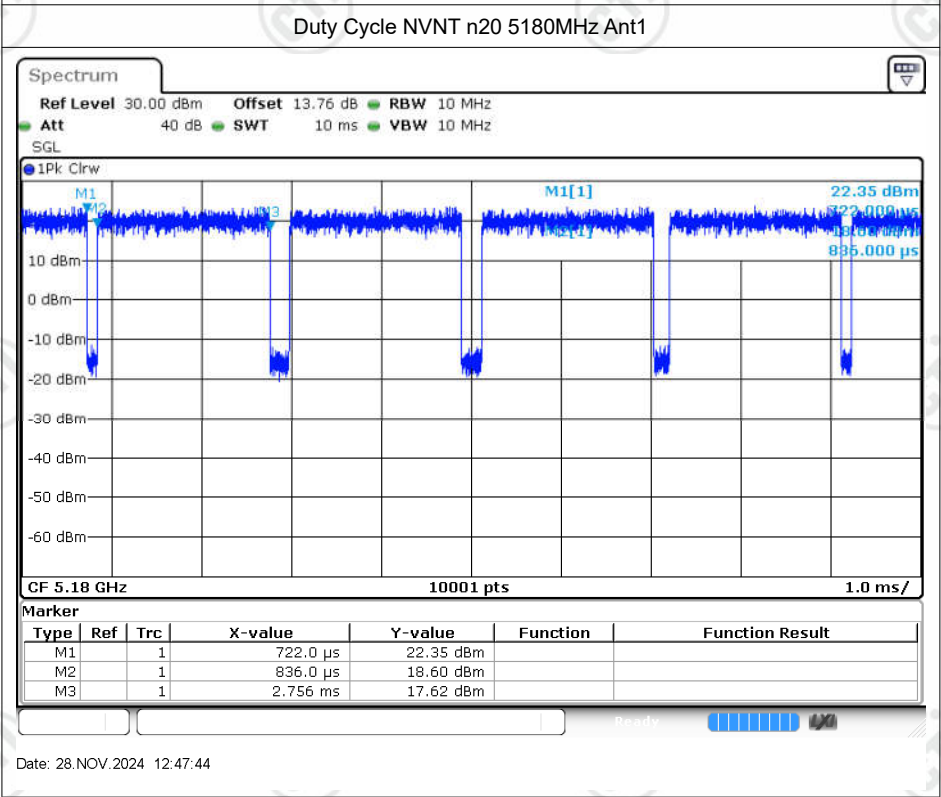
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	91.73	0.37	0.48
NVNT	a	5200	Ant1	90.65	0.43	0.48
NVNT	a	5240	Ant1	92.1	0.36	0.48
NVNT	n20	5180	Ant1	94.4	0.25	0.52
NVNT	n20	5200	Ant1	93.98	0.27	0.52
NVNT	n20	5240	Ant1	95.24	0.21	0.52
NVNT	n40	5190	Ant1	89.99	0.46	1.06
NVNT	n40	5230	Ant1	89.22	0.5	1.06

Note:Duty Cycle Correction Factor (dB)=-10*Ig(Duty Cycle);

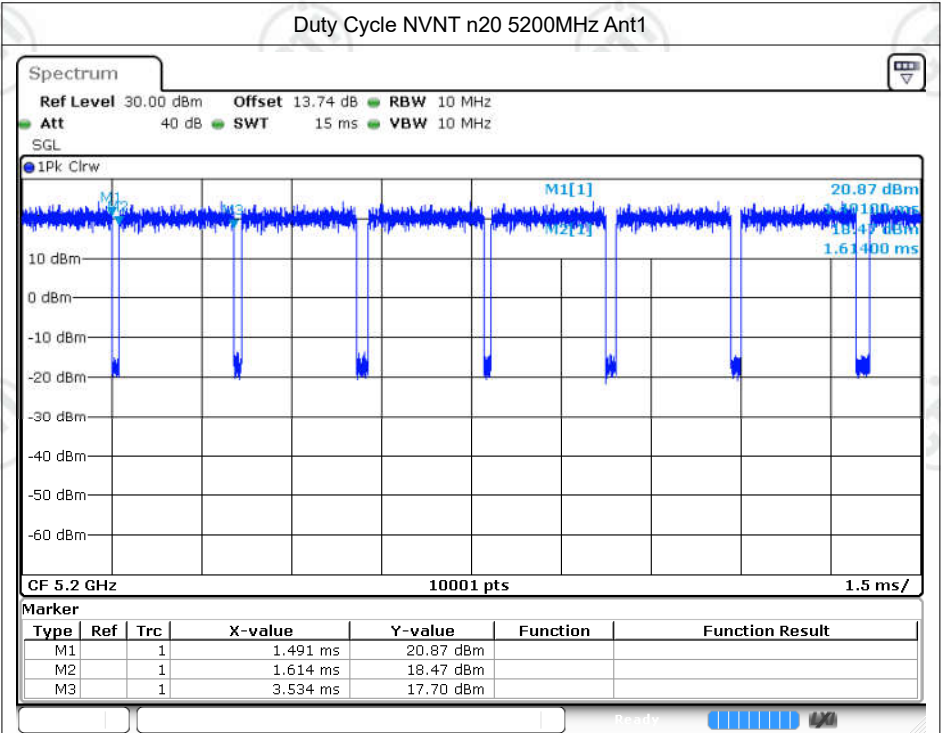




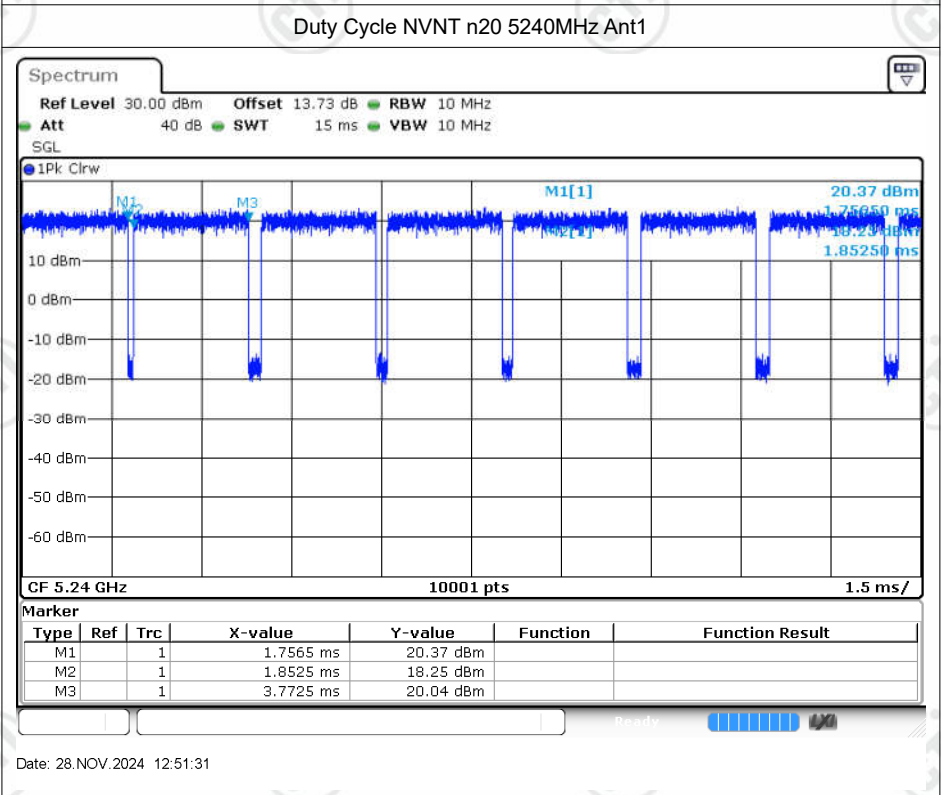
Date: 28.NOV.2024 12:46:16



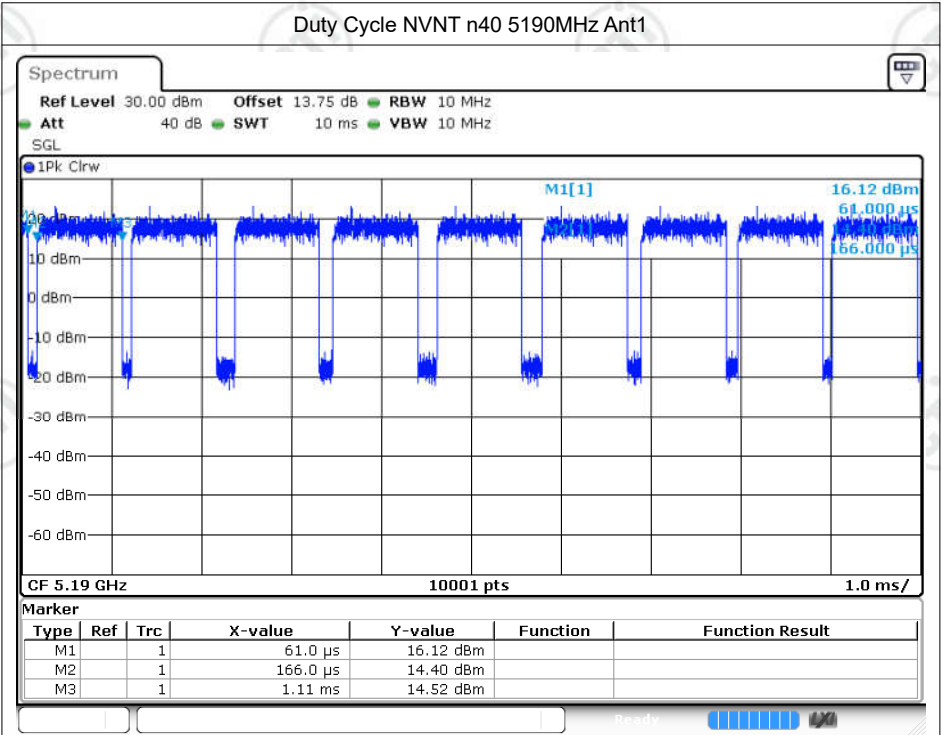
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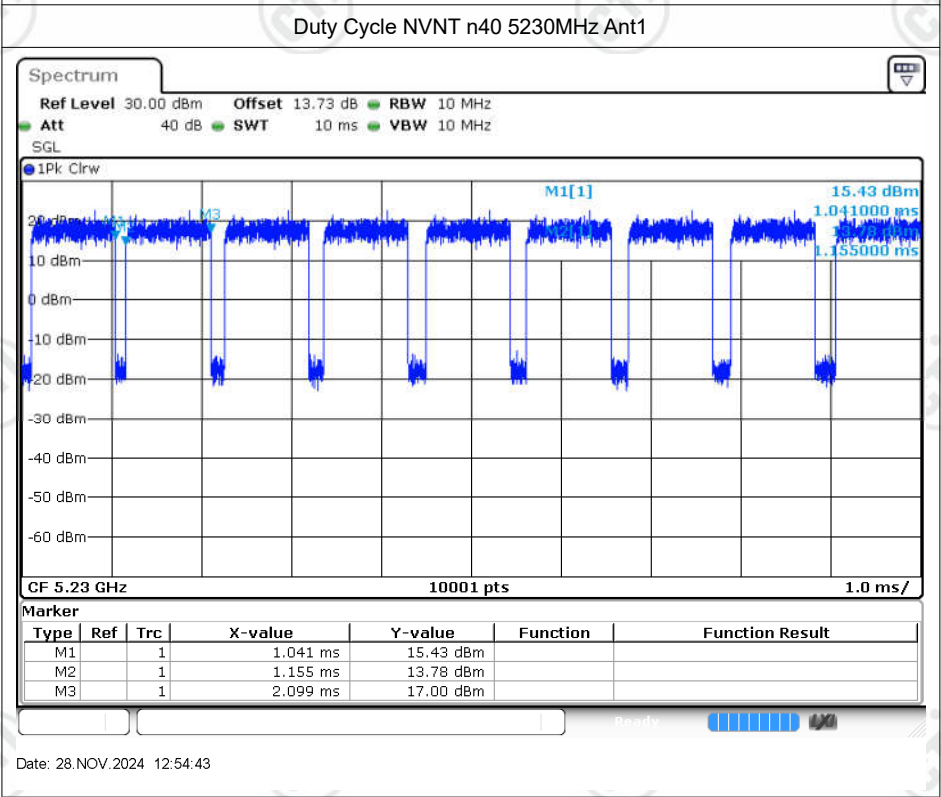
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Date: 28.NOV.2024 12:51:31



Date: 28.NOV.2024 12:53:03



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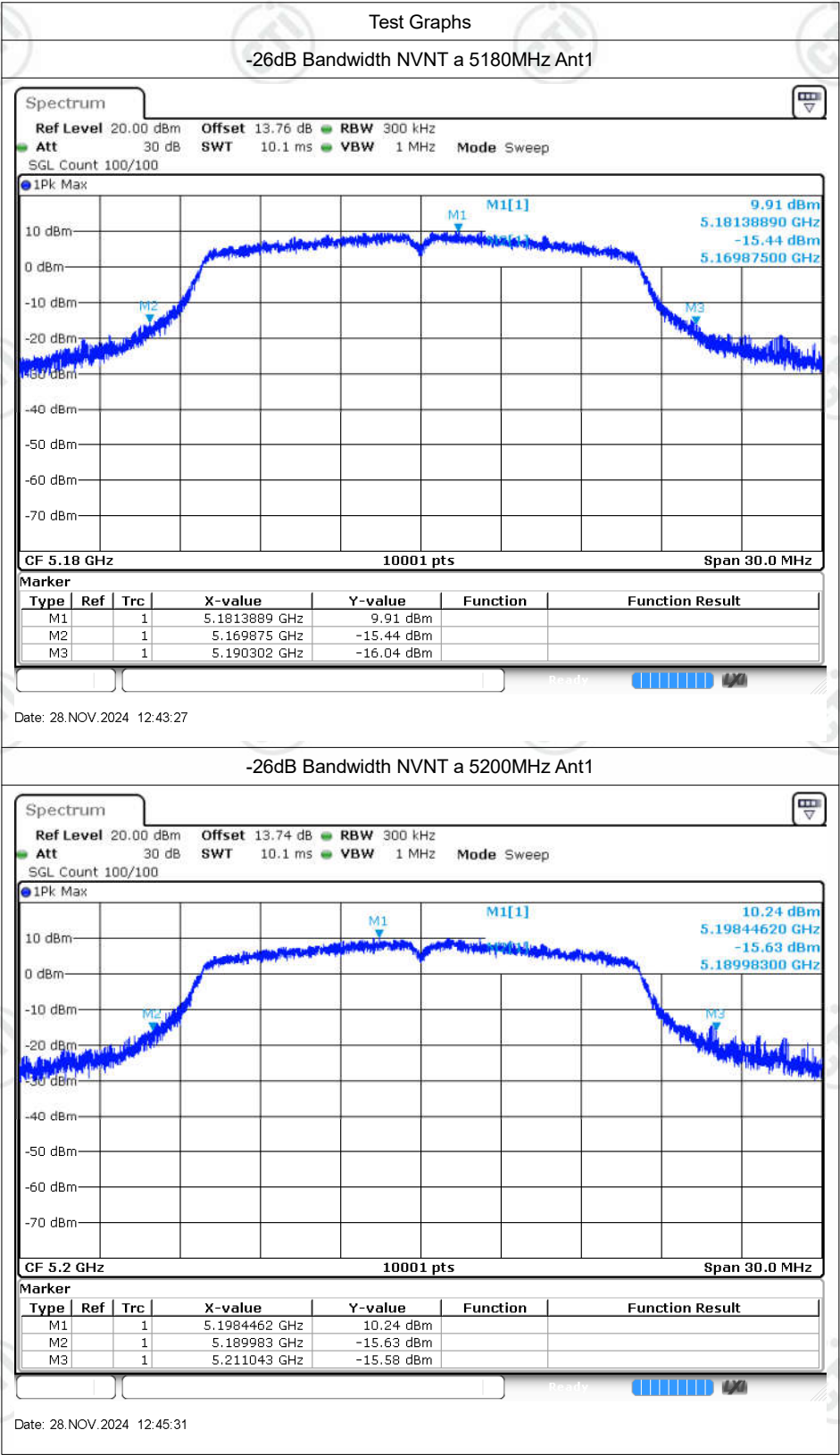
Maximum Conducted Output Power

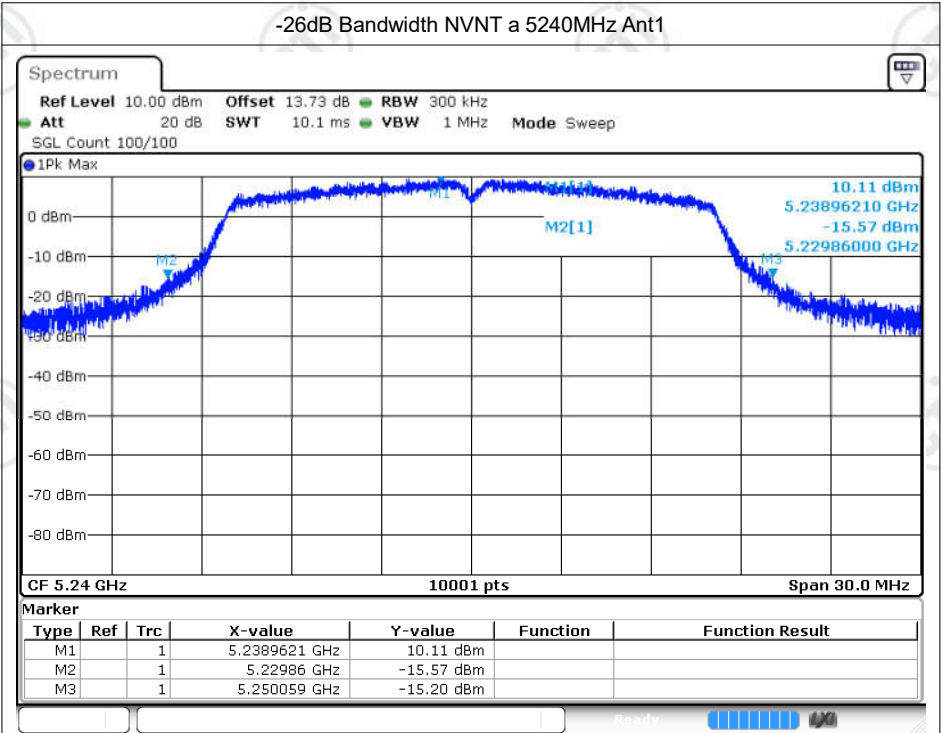
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	18.23	24	Pass
NVNT	a	5200	Ant1	18.34	24	Pass
NVNT	a	5240	Ant1	18.47	24	Pass
NVNT	n20	5180	Ant1	17.19	24	Pass
NVNT	n20	5200	Ant1	17.22	24	Pass
NVNT	n20	5240	Ant1	17.31	24	Pass
NVNT	n40	5190	Ant1	17.35	24	Pass
NVNT	n40	5230	Ant1	17.53	24	Pass

Note:The test data has been added Duty Cycle Correction Factor (dB);

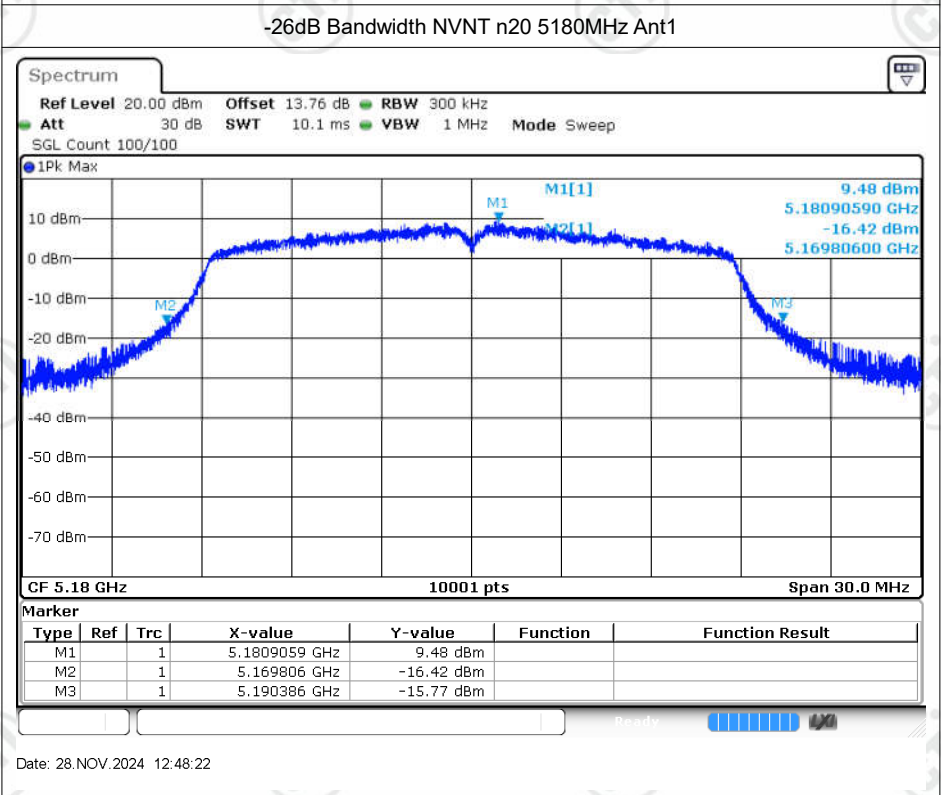
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	20.427	0.5	Pass
NVNT	a	5200	Ant1	21.06	0.5	Pass
NVNT	a	5240	Ant1	20.199	0.5	Pass
NVNT	n20	5180	Ant1	20.58	0.5	Pass
NVNT	n20	5200	Ant1	20.928	0.5	Pass
NVNT	n20	5240	Ant1	21.153	0.5	Pass
NVNT	n40	5190	Ant1	37.8	0.5	Pass
NVNT	n40	5230	Ant1	37.77	0.5	Pass

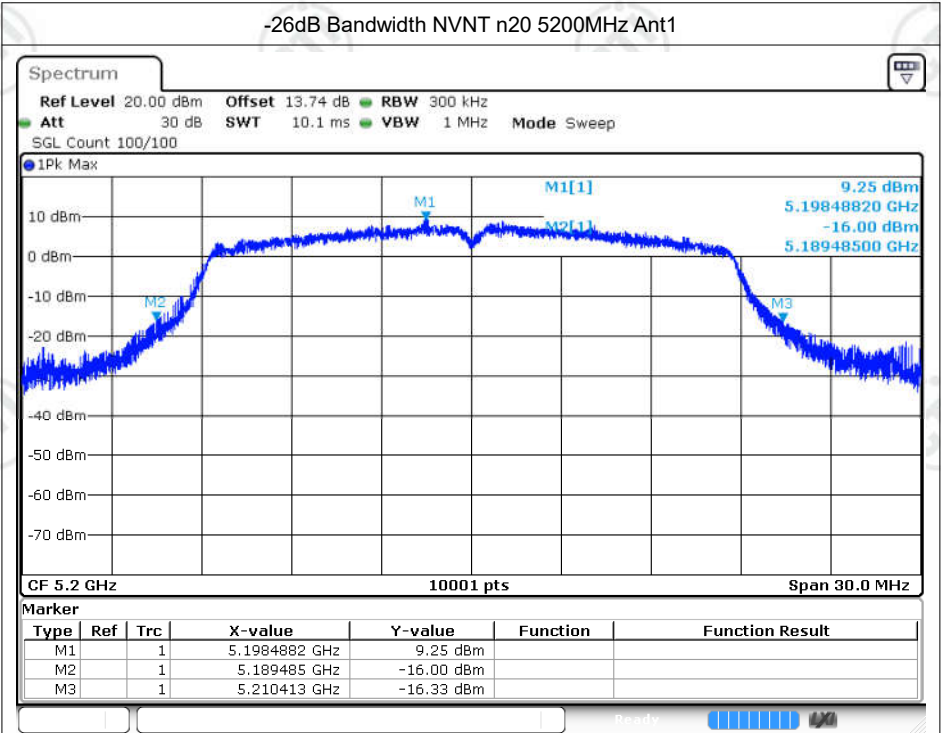




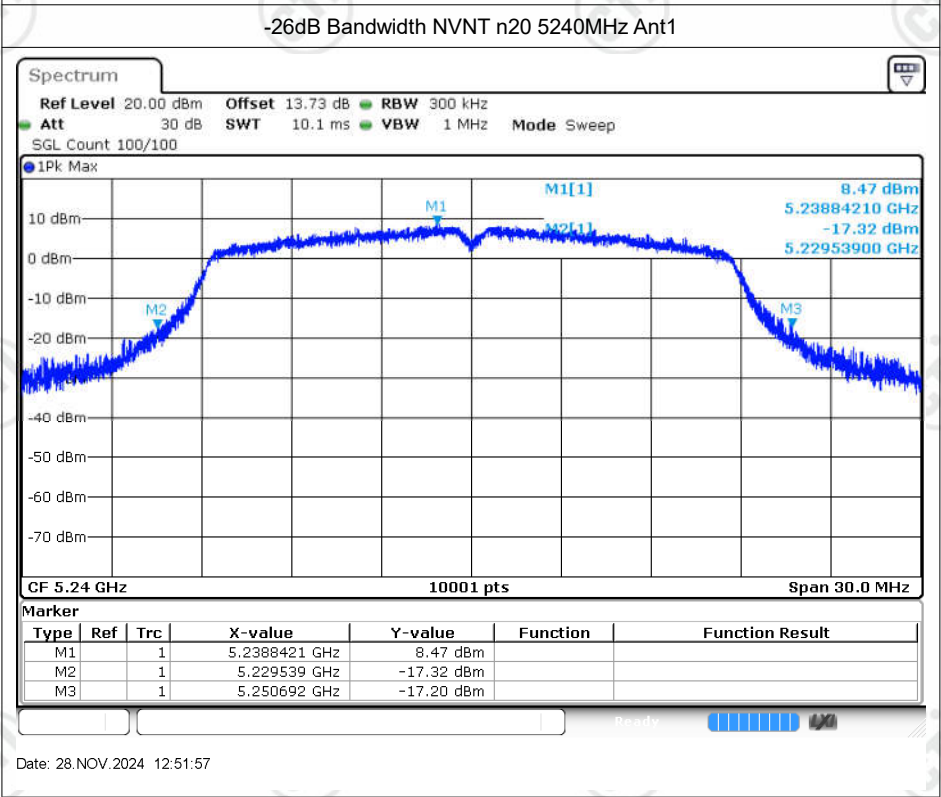
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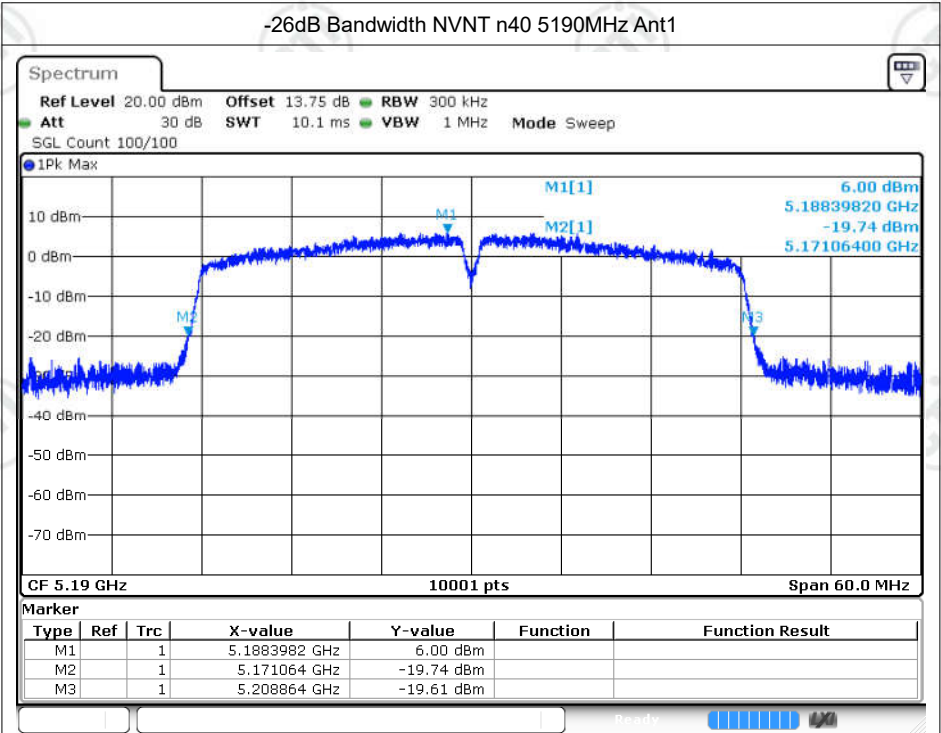
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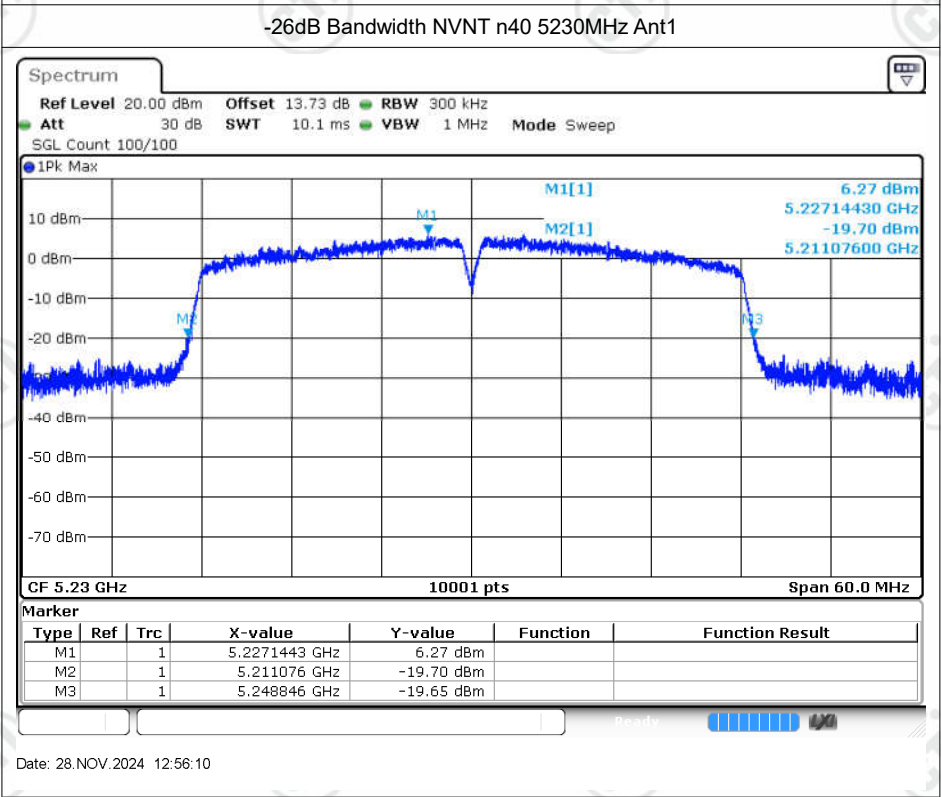
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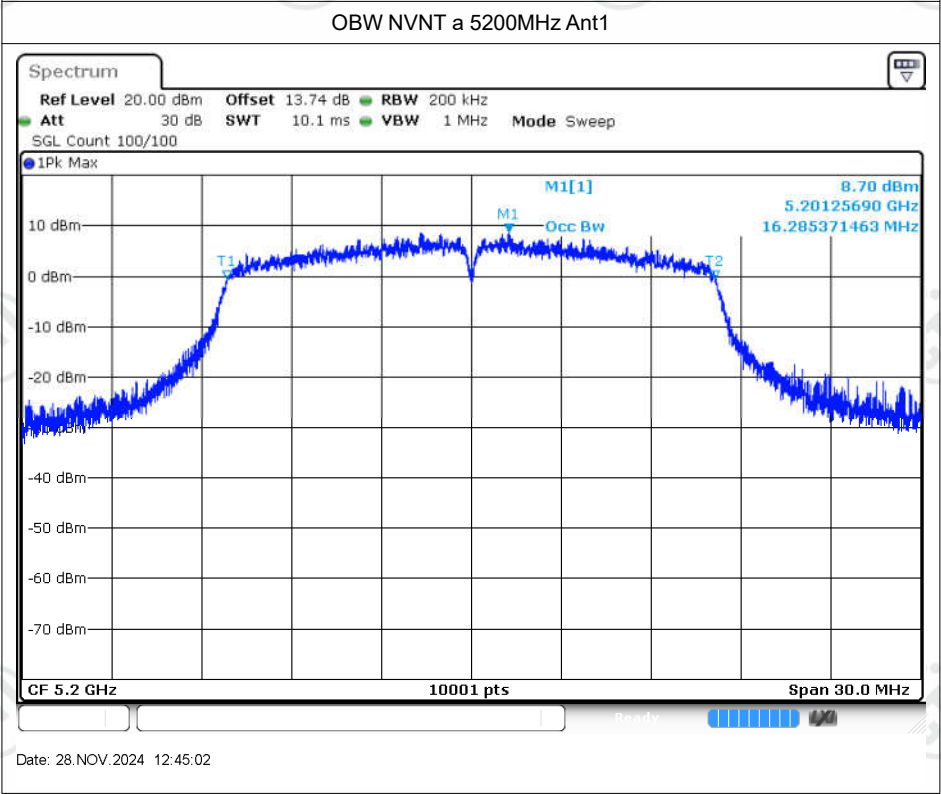
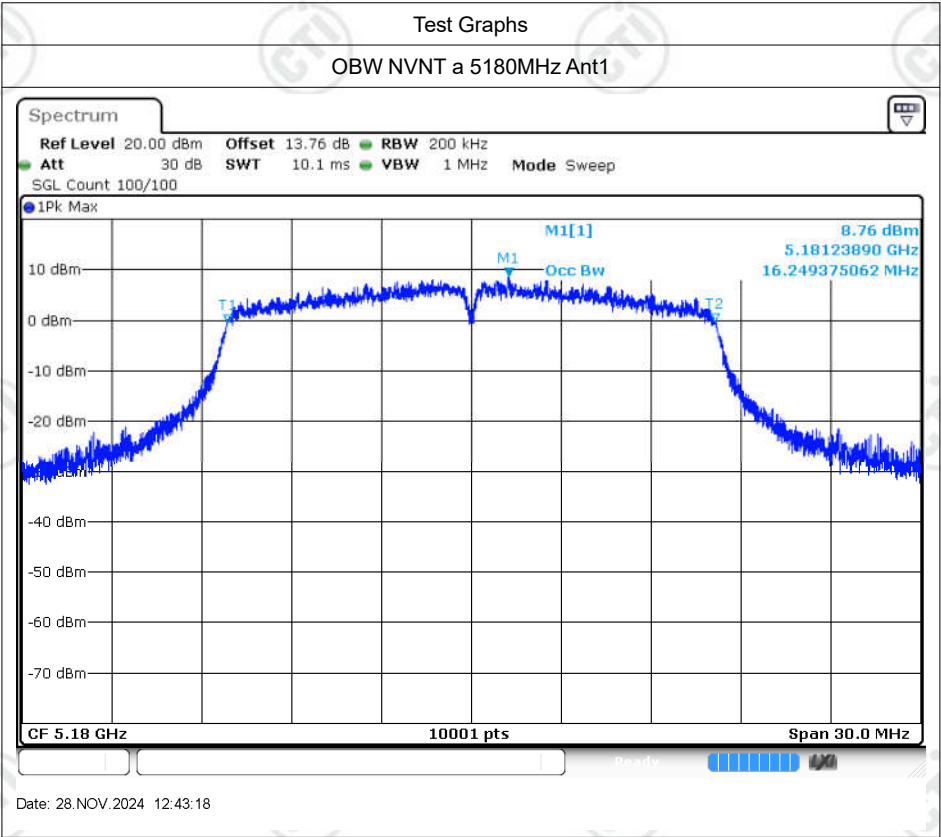
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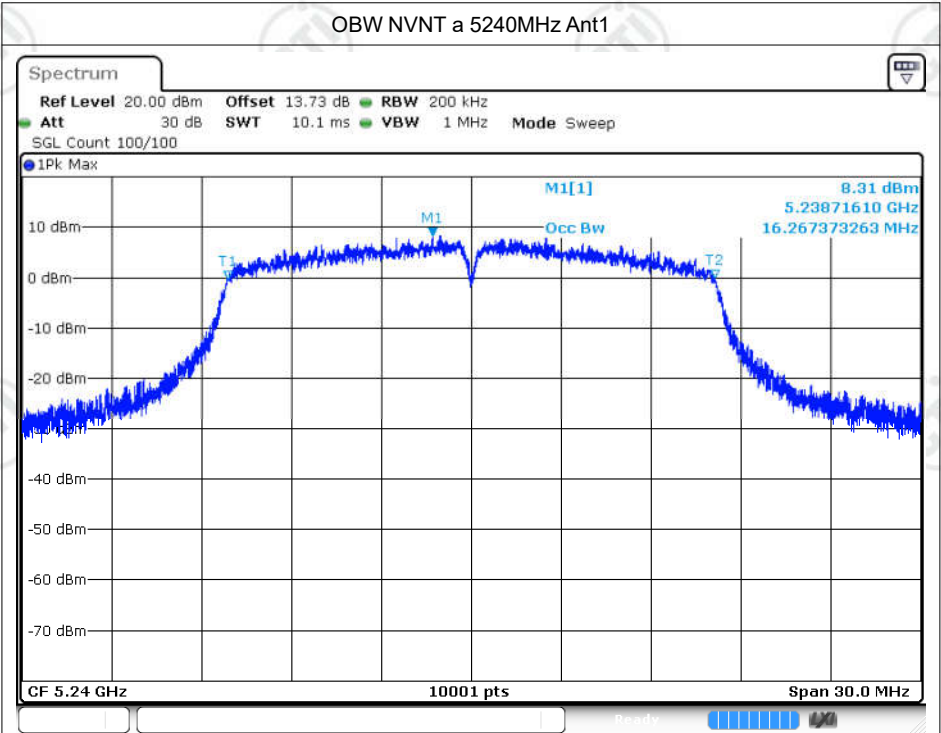


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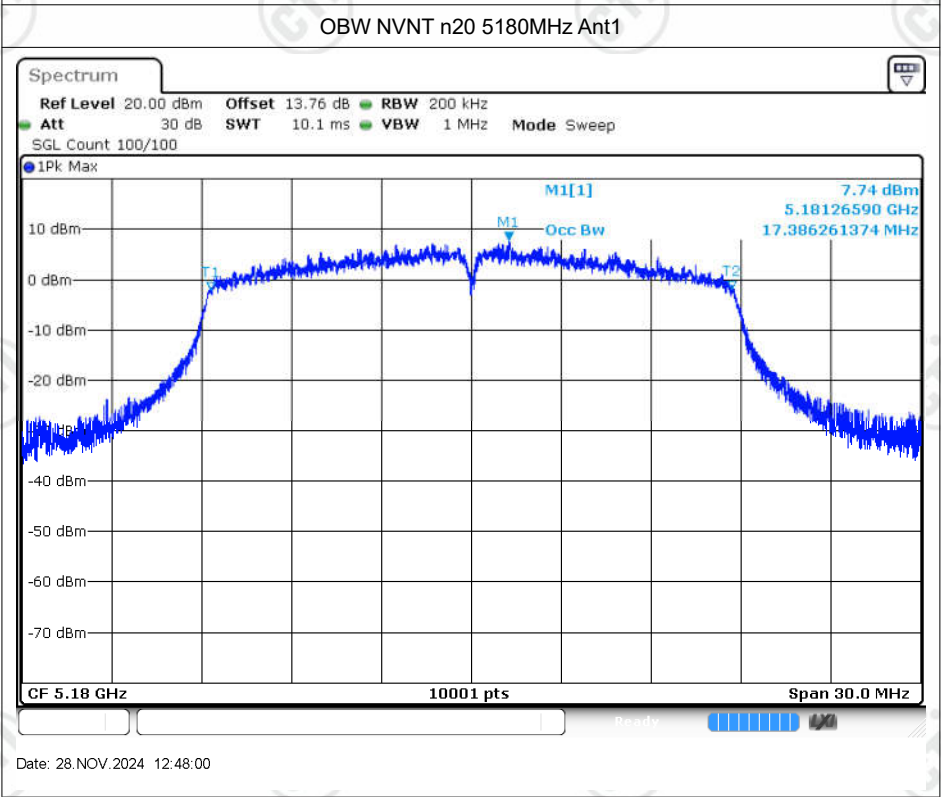
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.249
NVNT	a	5200	Ant1	16.285
NVNT	a	5240	Ant1	16.267
NVNT	n20	5180	Ant1	17.386
NVNT	n20	5200	Ant1	17.398
NVNT	n20	5240	Ant1	17.374
NVNT	n40	5190	Ant1	35.312
NVNT	n40	5230	Ant1	35.36

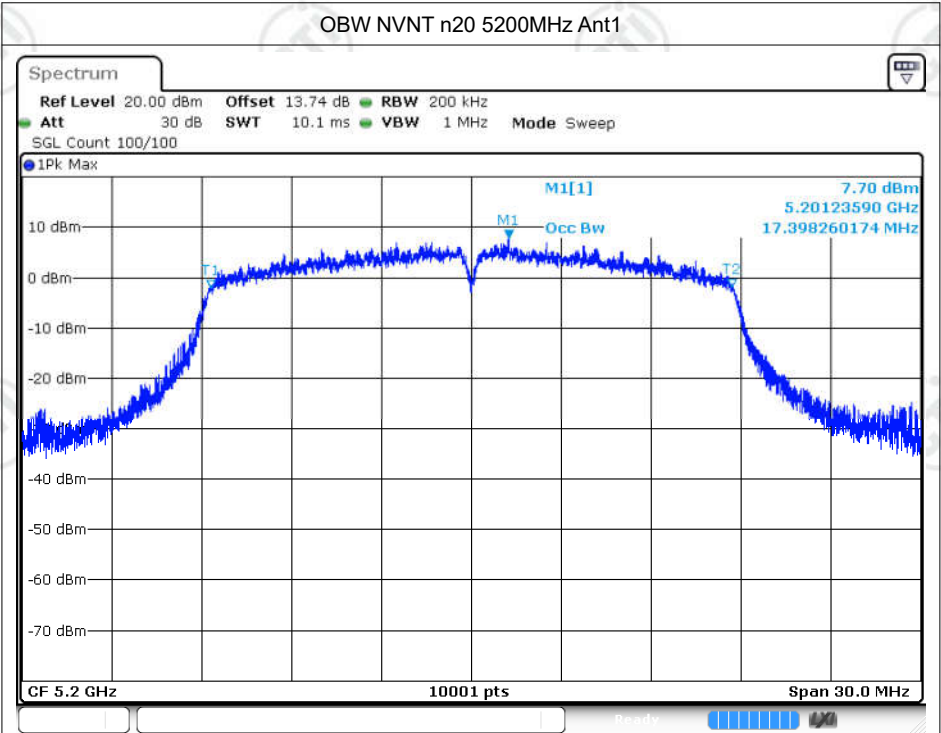




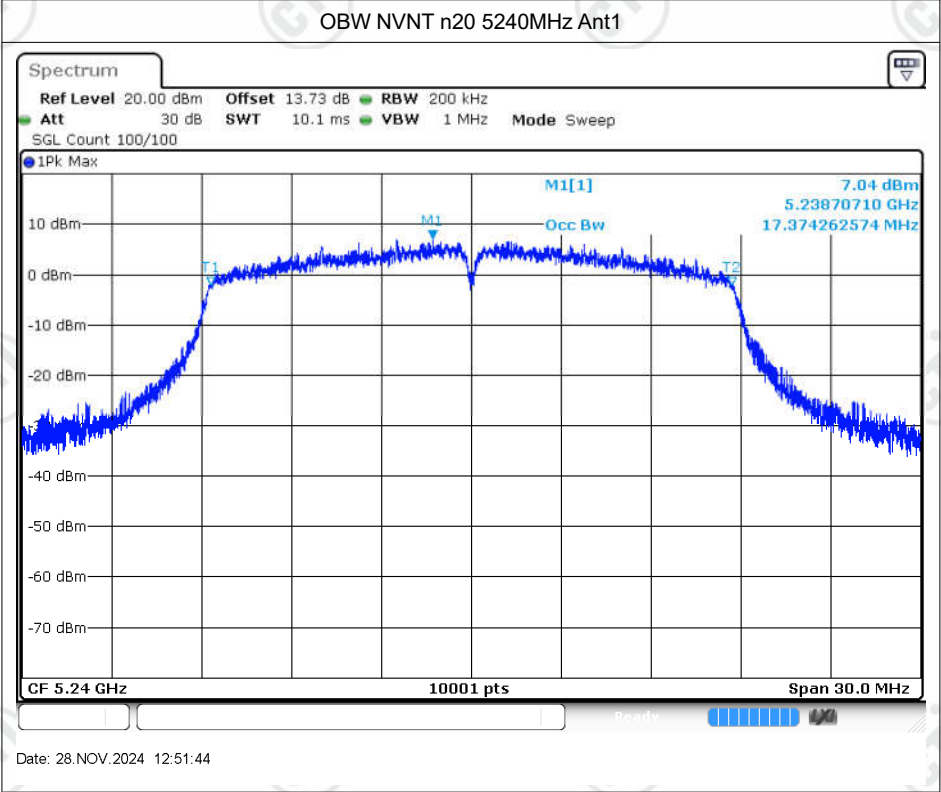
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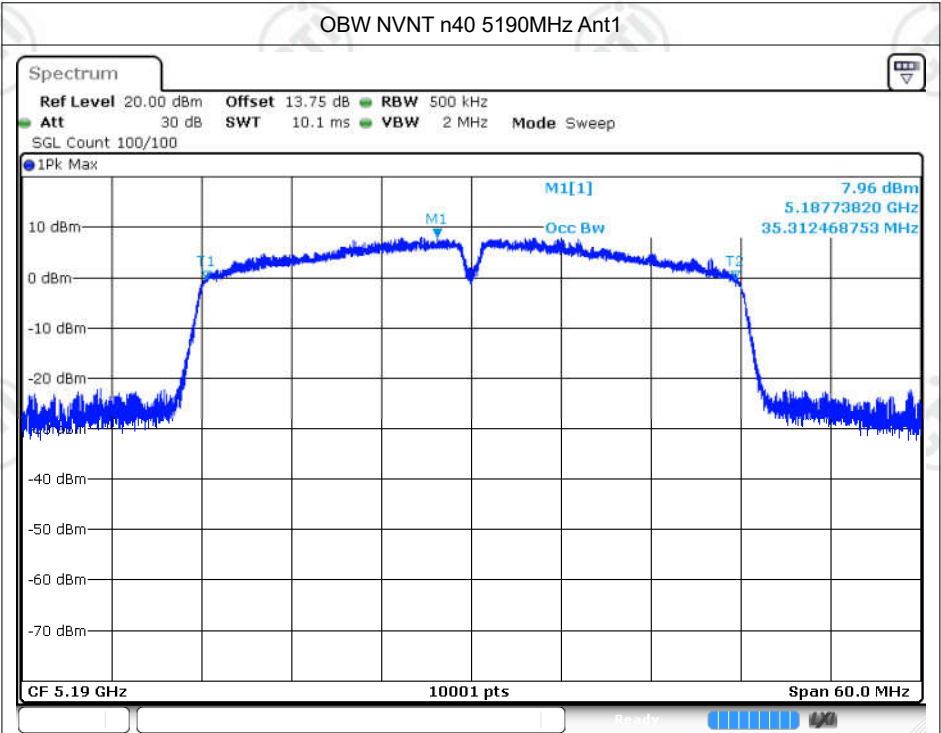
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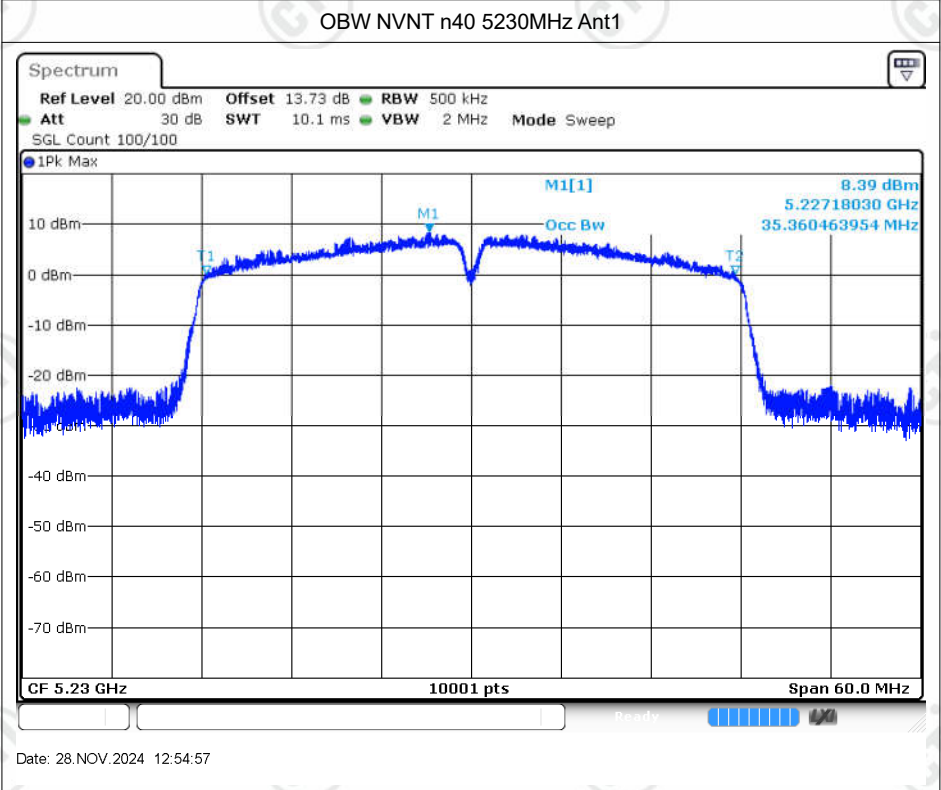
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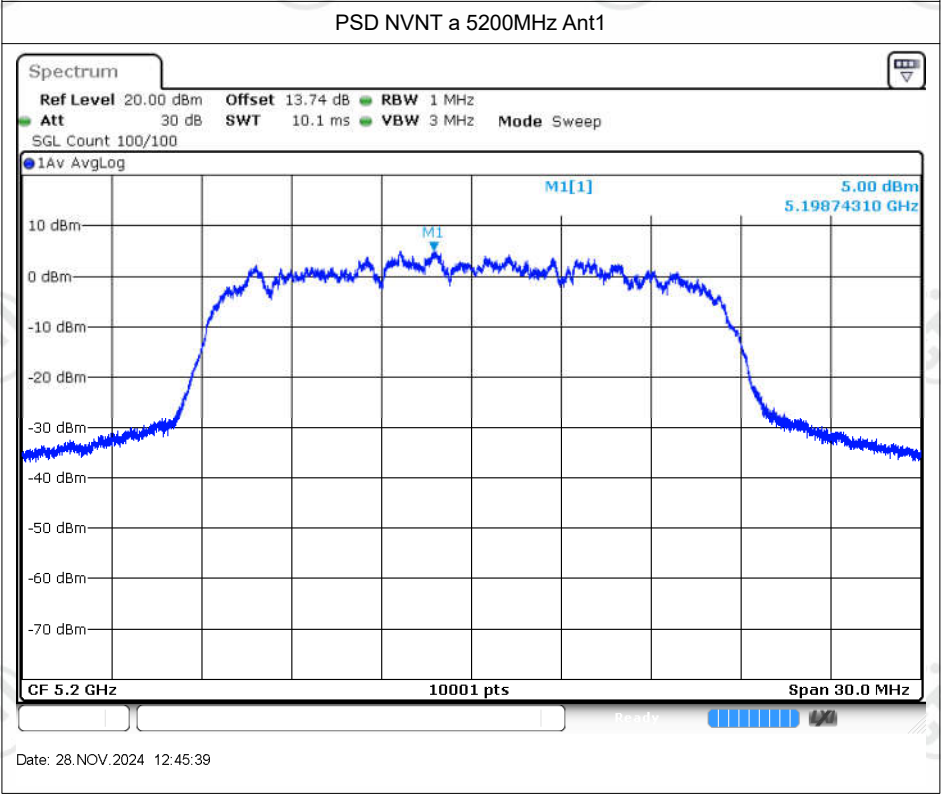
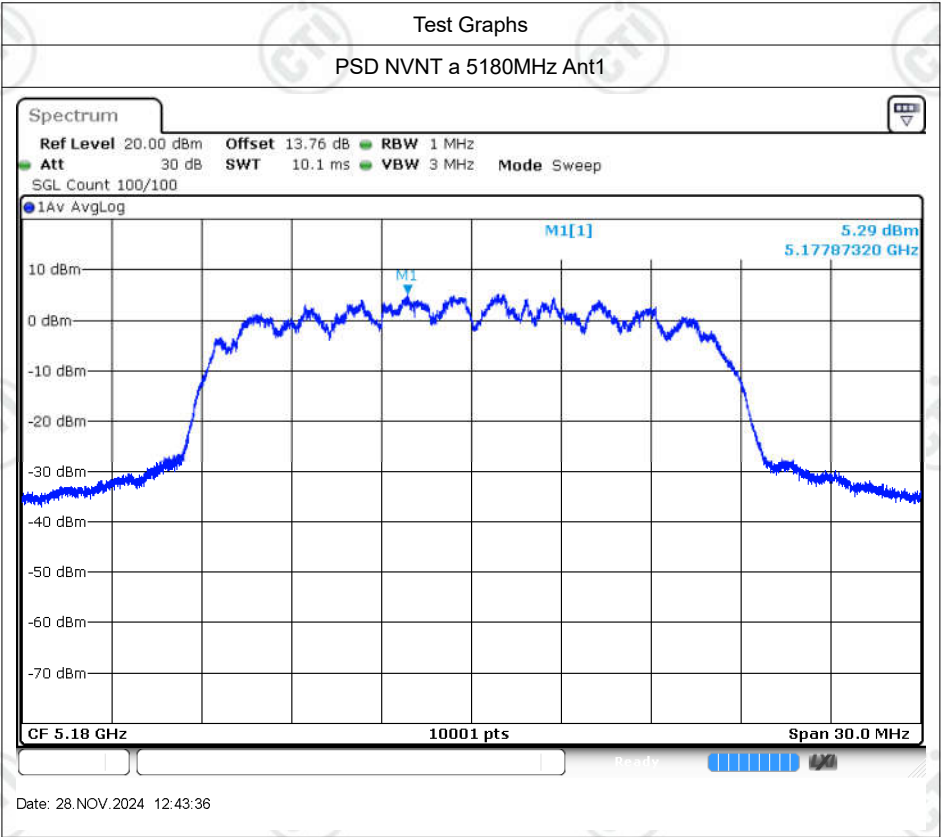


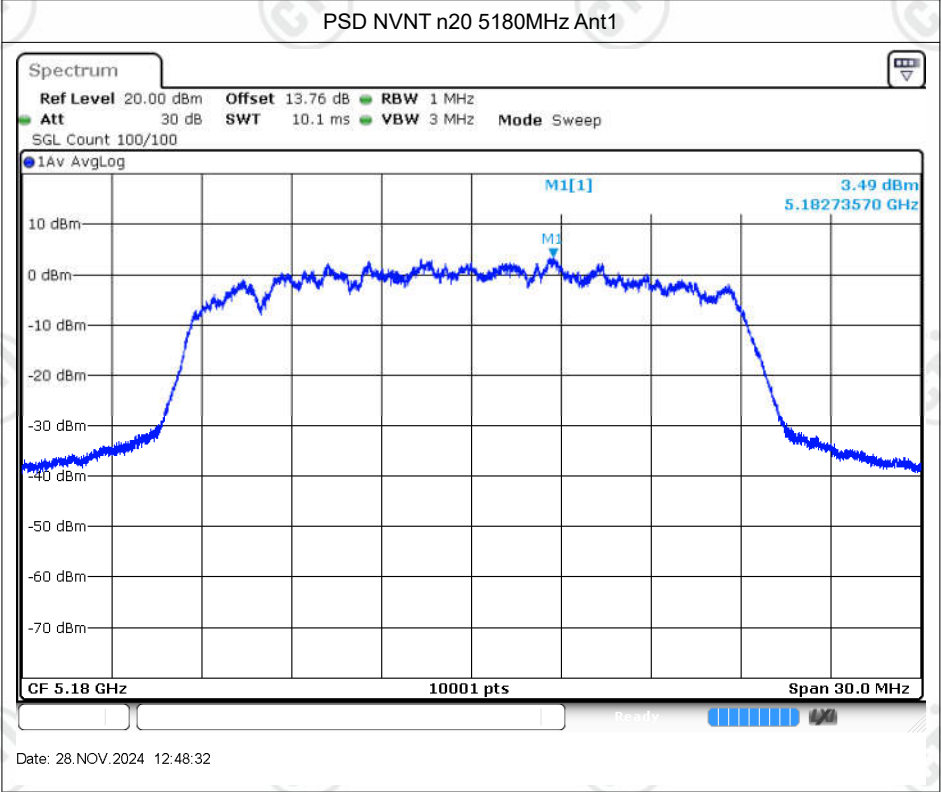
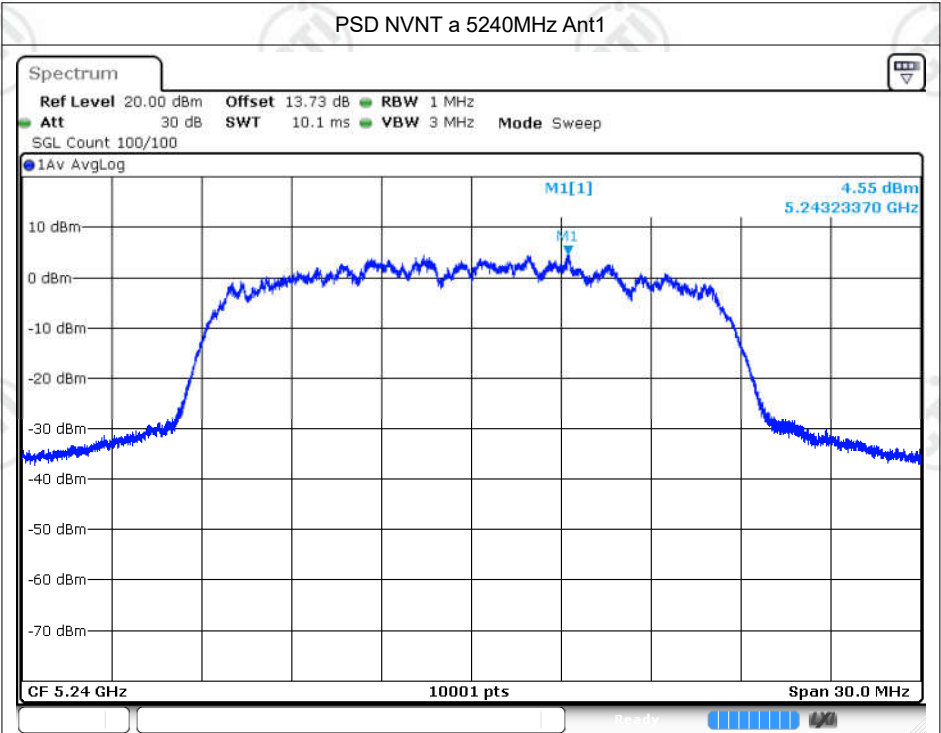
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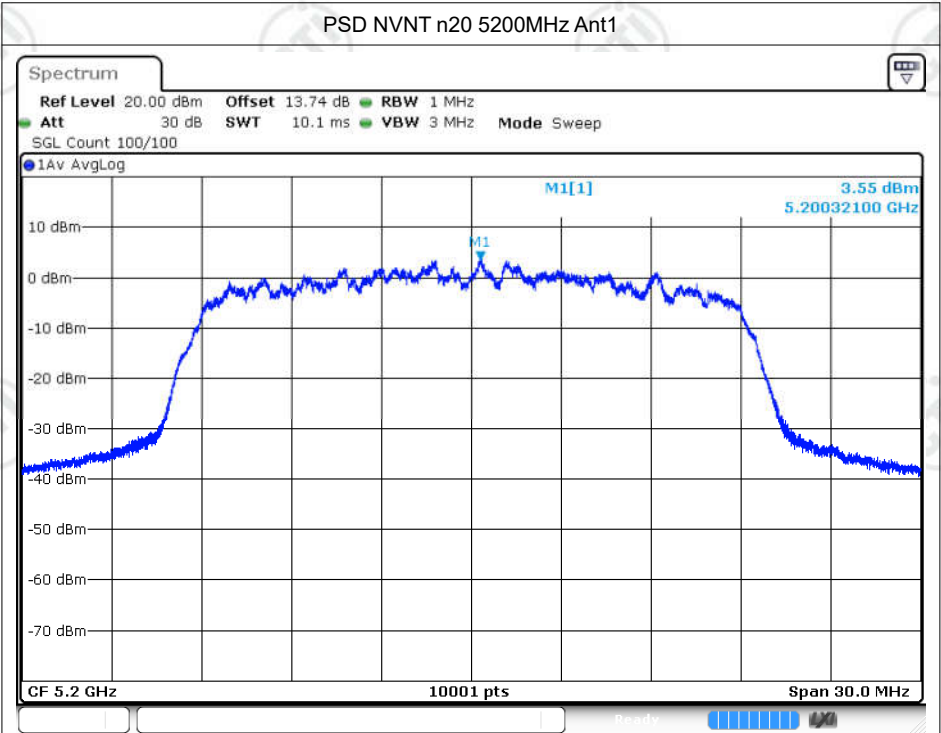
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	5.29	0.37	5.66	11	Pass
NVNT	a	5200	Ant1	5	0.43	5.43	11	Pass
NVNT	a	5240	Ant1	4.55	0.36	4.91	11	Pass
NVNT	n20	5180	Ant1	3.49	0.25	3.74	11	Pass
NVNT	n20	5200	Ant1	3.55	0.27	3.82	11	Pass
NVNT	n20	5240	Ant1	3.19	0.21	3.4	11	Pass
NVNT	n40	5190	Ant1	-0.88	0.46	-0.42	11	Pass
NVNT	n40	5230	Ant1	-1.95	0.5	-1.45	11	Pass

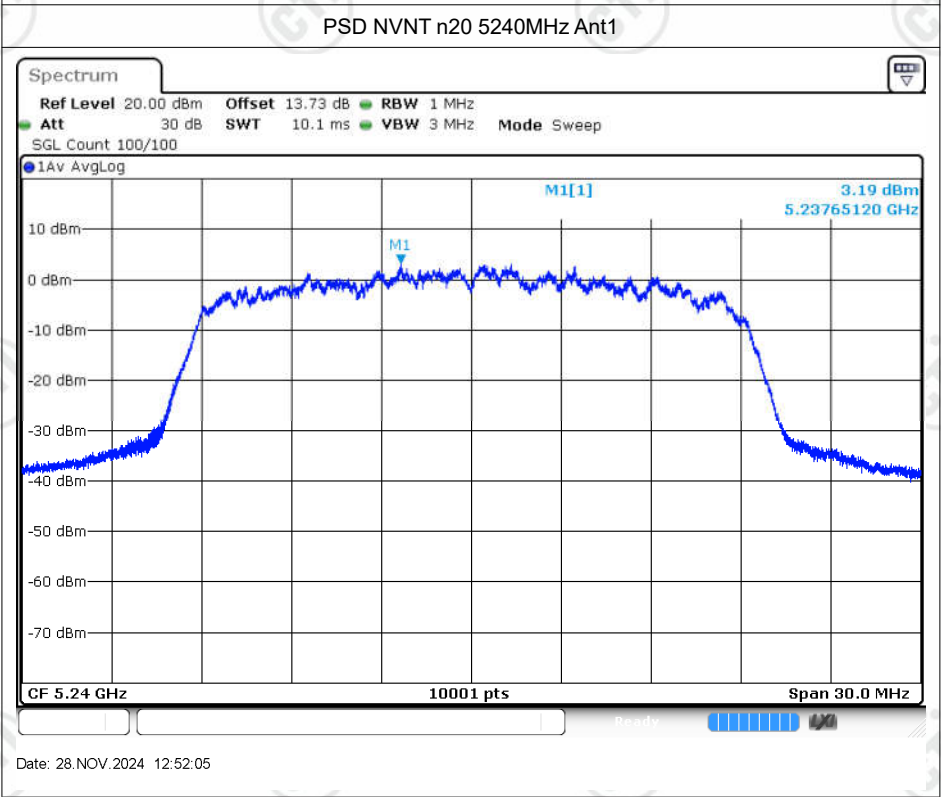
Note:The test data has been added Duty Cycle Correction Factor (dB);



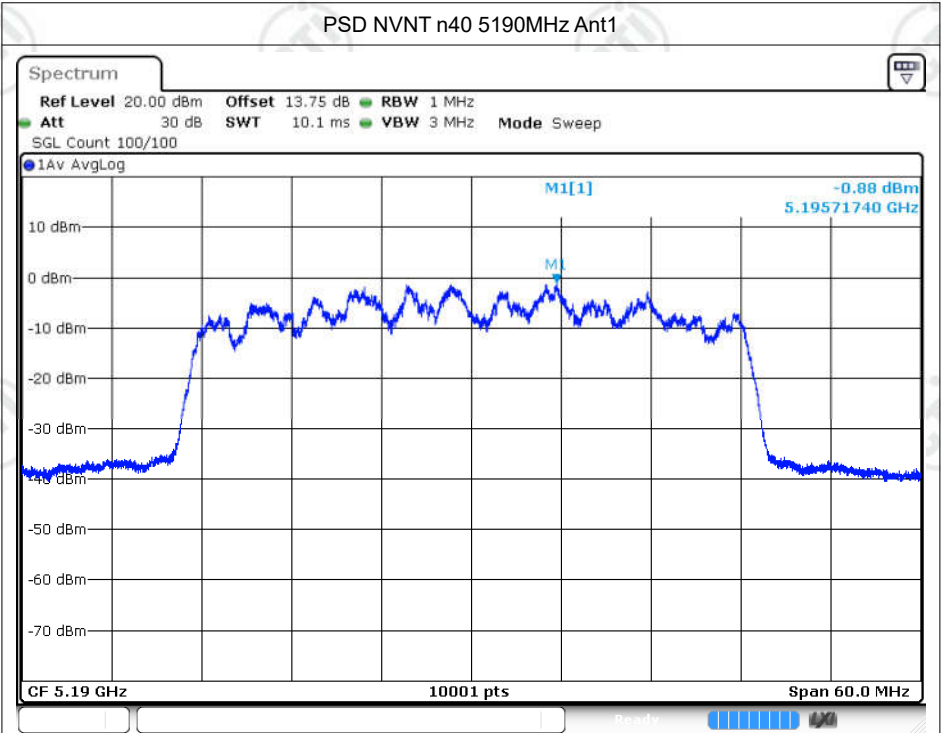




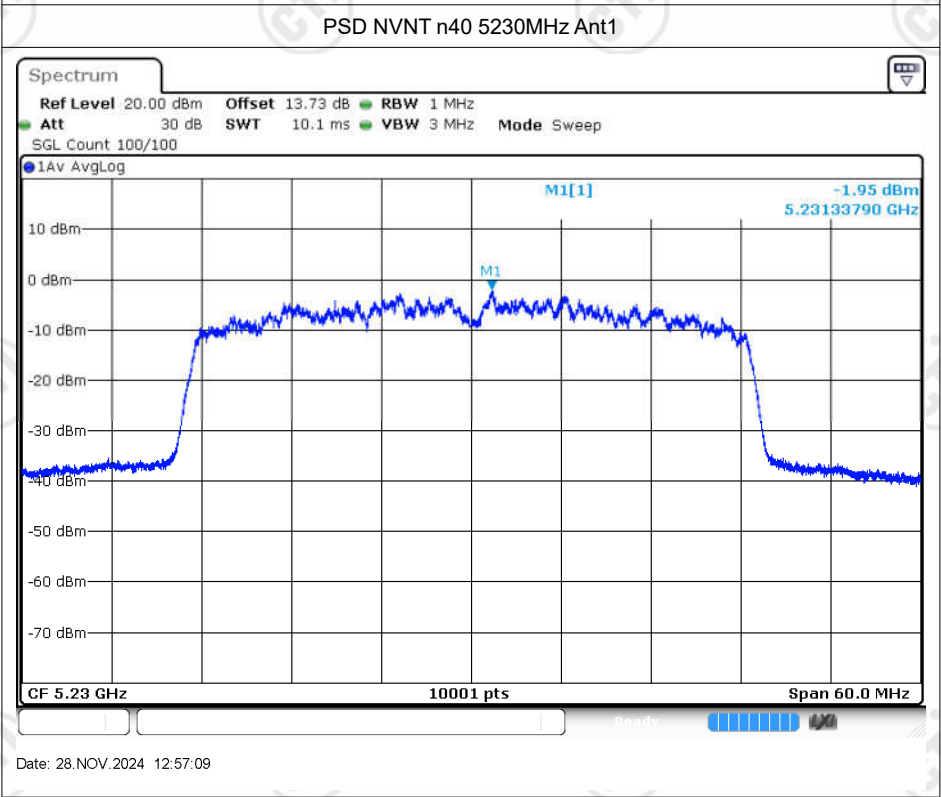
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Date: 28.NOV.2024 12:53:36



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Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 102V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 120V	a	5180	Ant1	5180	0	0	25	Pass
20C 138V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
-20C 136V	a	5180	Ant1	5180	0	0	25	Pass
-10C 136V	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
0C 136V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
10C 136V	a	5180	Ant1	5180	0	0	25	Pass
20C 136V	a	5180	Ant1	5180.02	20000	3.86	25	Pass
30C 136V	a	5180	Ant1	5180	0	0	25	Pass
40C 136V	a	5180	Ant1	5180	0	0	25	Pass
50C 136V	a	5180	Ant1	5179.96	-40000	-7.72	25	Pass
20C 102V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
20C 120V	a	5200	Ant1	5200	0	0	25	Pass
20C 138V	a	5200	Ant1	5200	0	0	25	Pass
-20C 120V	a	5200	Ant1	5200	0	0	25	Pass
-10C 120V	a	5200	Ant1	5200	0	0	25	Pass
0C 120V	a	5200	Ant1	5200	0	0	25	Pass
10C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
30C 120V	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
40C 120V	a	5200	Ant1	5200	0	0	25	Pass
50C 120V	a	5200	Ant1	5200.02	20000	3.85	25	Pass
20C 102V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
20C 120V	a	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 138V	a	5240	Ant1	5240	0	0	25	Pass
-20C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	a	5240	Ant1	5239.98	-20000	-3.82	25	Pass
0C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
10C 120V	a	5240	Ant1	5240	0	0	25	Pass
30C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
40C 120V	a	5240	Ant1	5239.96	-40000	-7.63	25	Pass
50C 120V	a	5240	Ant1	5240	0	0	25	Pass
20C 102V	n20	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 120V	n20	5180	Ant1	5180.02	20000	3.86	25	Pass
20C 138V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-20C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
-10C 120V	n20	5180	Ant1	5180.04	40000	7.72	25	Pass
0C 120V	n20	5180	Ant1	5180	0	0	25	Pass

10C 120V	n20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
30C 120V	n20	5180	Ant1	5180	0	0	25	Pass
40C 120V	n20	5180	Ant1	5180	0	0	25	Pass
50C 120V	n20	5180	Ant1	5180	0	0	25	Pass
20C 102V	n20	5200	Ant1	5200	0	0	25	Pass
20C 120V	n20	5200	Ant1	5200	0	0	25	Pass
20C 138V	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
-20C 120V	n20	5200	Ant1	5200	0	0	25	Pass
-10C 120V	n20	5200	Ant1	5200	0	0	25	Pass
0C 120V	n20	5200	Ant1	5200	0	0	25	Pass
10C 120V	n20	5200	Ant1	5200.02	20000	3.85	25	Pass
30C 120V	n20	5200	Ant1	5200	0	0	25	Pass
40C 120V	n20	5200	Ant1	5200	0	0	25	Pass
50C 120V	n20	5200	Ant1	5200.04	40000	7.69	25	Pass
20C 102V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 120V	n20	5240	Ant1	5240.04	40000	7.63	25	Pass
20C 138V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
-20C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
-10C 120V	n20	5240	Ant1	5239.96	-40000	-7.63	25	Pass
0C 120V	n20	5240	Ant1	5240	0	0	25	Pass
10C 120V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
30C 120V	n20	5240	Ant1	5240	0	0	25	Pass
40C 120V	n20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
50C 120V	n20	5240	Ant1	5240.02	20000	3.82	25	Pass
20C 102V	n40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
20C 120V	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
20C 138V	n40	5190	Ant1	5190	0	0	25	Pass
-20C 120V	n40	5190	Ant1	5190.08	80000	15.41	25	Pass
-10C 120V	n40	5190	Ant1	5189.88	-120000	-23.12	25	Pass
0C 120V	n40	5190	Ant1	5190.04	40000	7.71	25	Pass
10C 120V	n40	5190	Ant1	5190	0	0	25	Pass
30C 120V	n40	5190	Ant1	5190.2	200000	38.54	25	Pass
40C 120V	n40	5190	Ant1	5190	0	0	25	Pass
50C 120V	n40	5190	Ant1	5190	0	0	25	Pass
20C 102V	n40	5230	Ant1	5230.04	40000	7.65	25	Pass
20C 120V	n40	5230	Ant1	5230	0	0	25	Pass
20C 138V	n40	5230	Ant1	5230	0	0	25	Pass
-20C 120V	n40	5230	Ant1	5229.84	-160000	-30.59	25	Pass
-10C 120V	n40	5230	Ant1	5230	0	0	25	Pass
0C 120V	n40	5230	Ant1	5229.84	-160000	-30.59	25	Pass
10C 120V	n40	5230	Ant1	5229.68	-320000	-61.19	25	Pass

30C 120V	n40	5230	Ant1	5229.68	-320000	-61.19	25	Pass
40C 120V	n40	5230	Ant1	5230.12	120000	22.94	25	Pass
50C 120V	n40	5230	Ant1	5230	0	0	25	Pass

END OF REPORT