

Appendix: 5G Wi-Fi Band 2

Contents

Contents 2

Duty Cycle 3

Maximum Conducted Output Power 8

-26dB Bandwidth 9

Occupied Channel Bandwidth 14

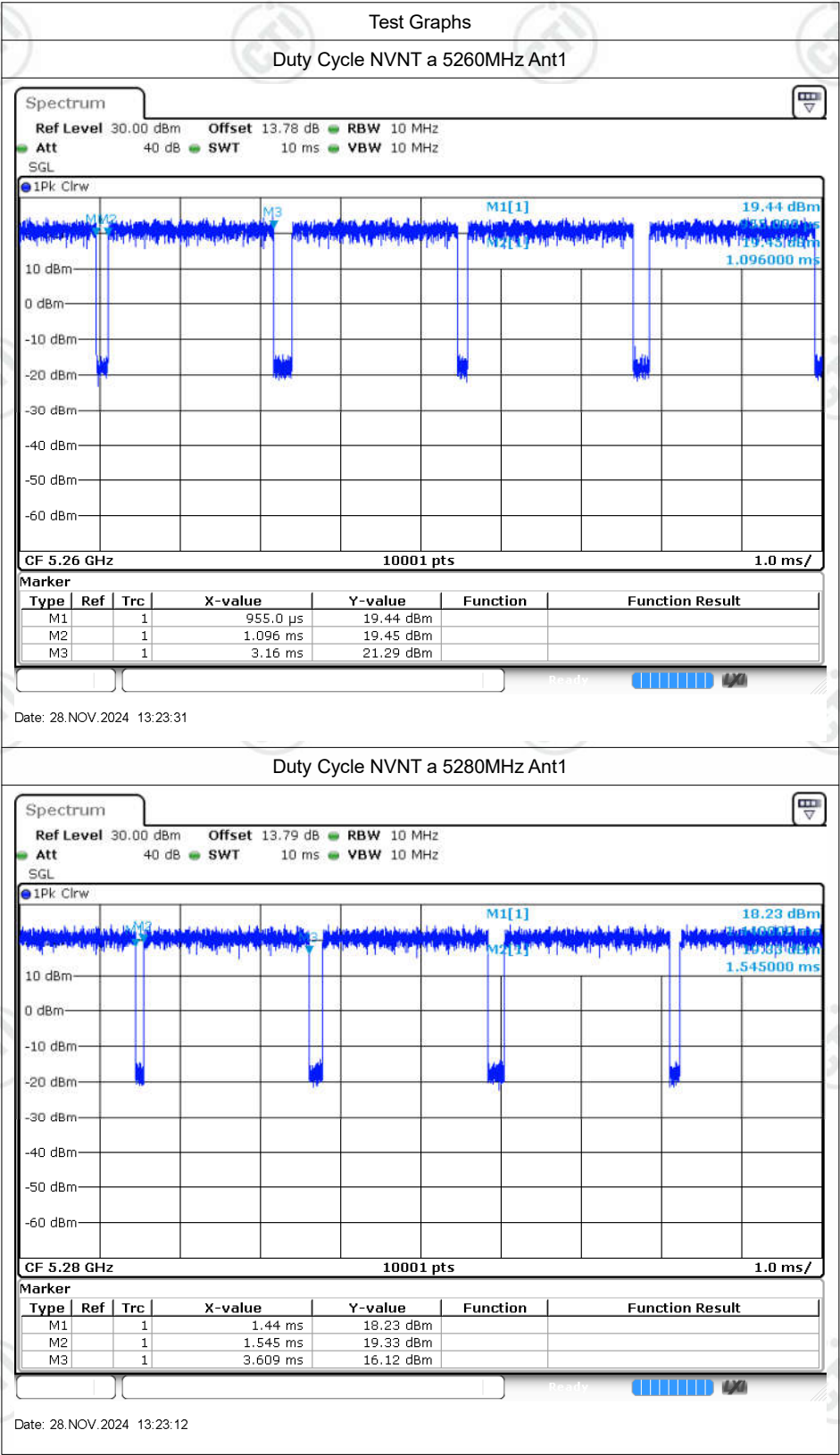
Maximum Power Spectral Density Level 19

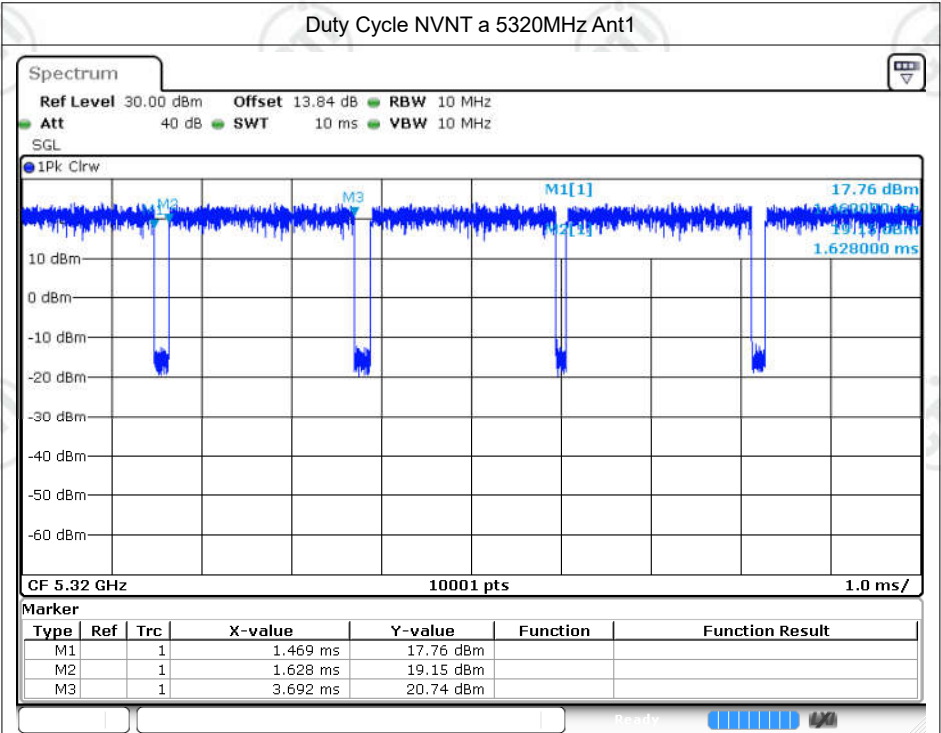
Frequency Stability 24

Duty Cycle

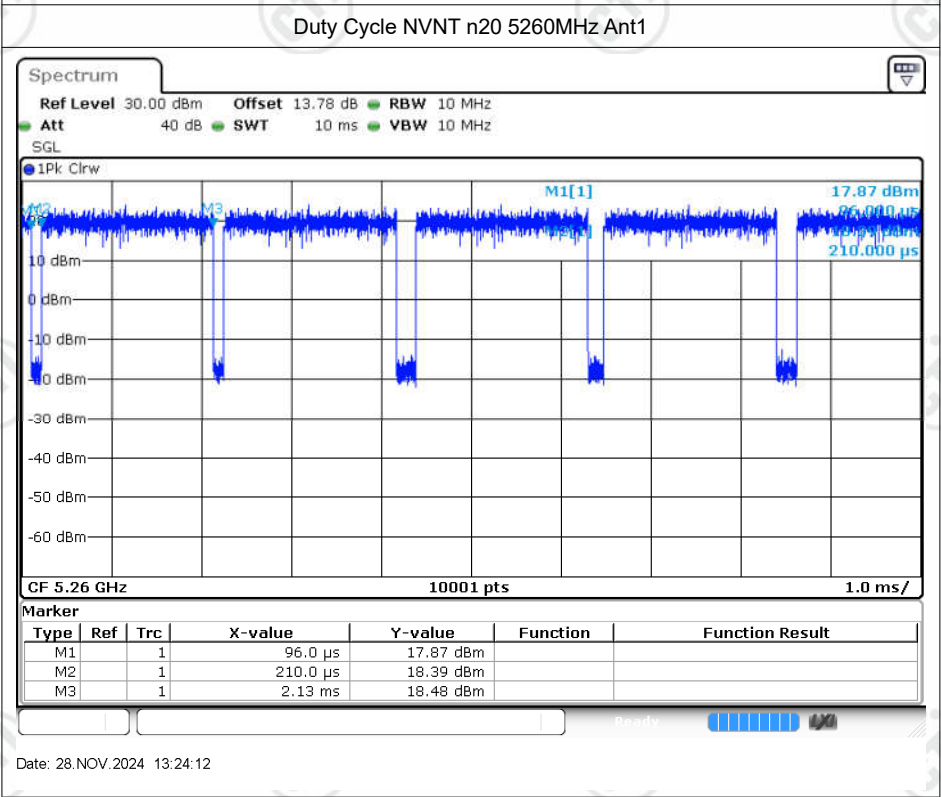
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	93.61	0.29	0.48
NVNT	a	5280	Ant1	95.16	0.22	0.48
NVNT	a	5320	Ant1	92.85	0.32	0.48
NVNT	n20	5260	Ant1	94.4	0.25	0.52
NVNT	n20	5280	Ant1	92.8	0.32	0.52
NVNT	n20	5320	Ant1	95.24	0.21	0.52
NVNT	n40	5270	Ant1	82.95	0.81	1.06
NVNT	n40	5310	Ant1	82.23	0.85	1.06

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

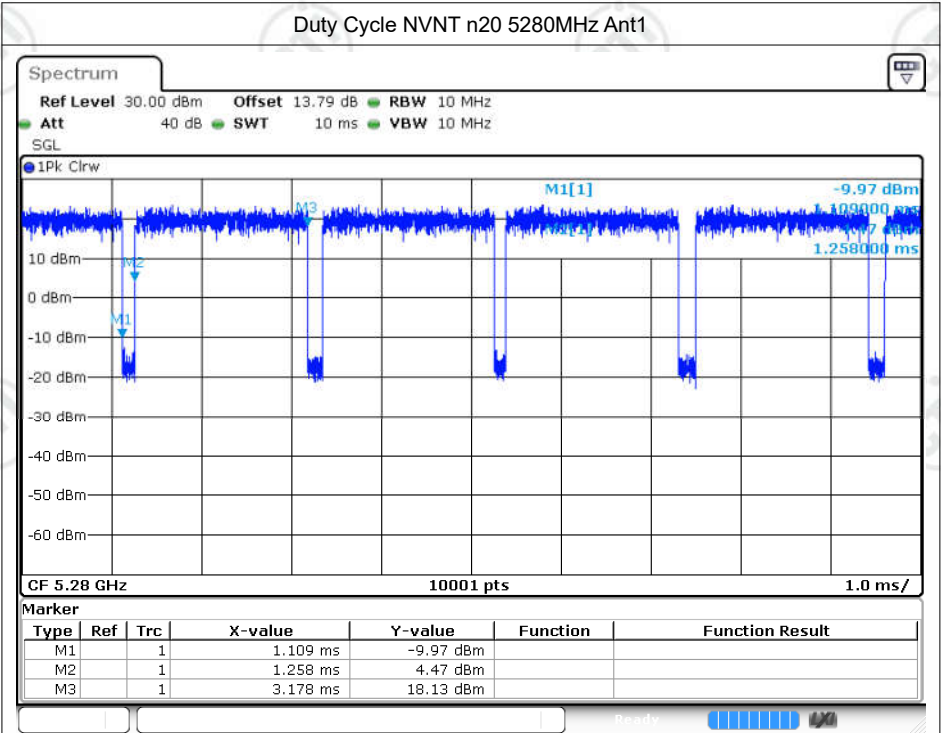




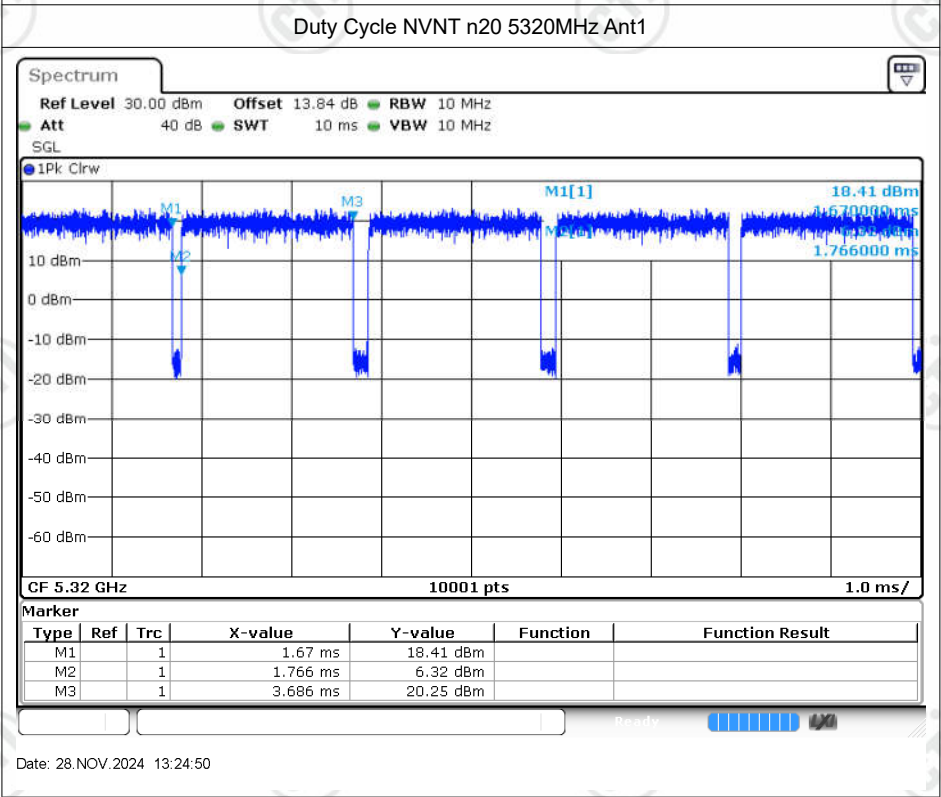
Date: 28.NOV.2024 13:23:50



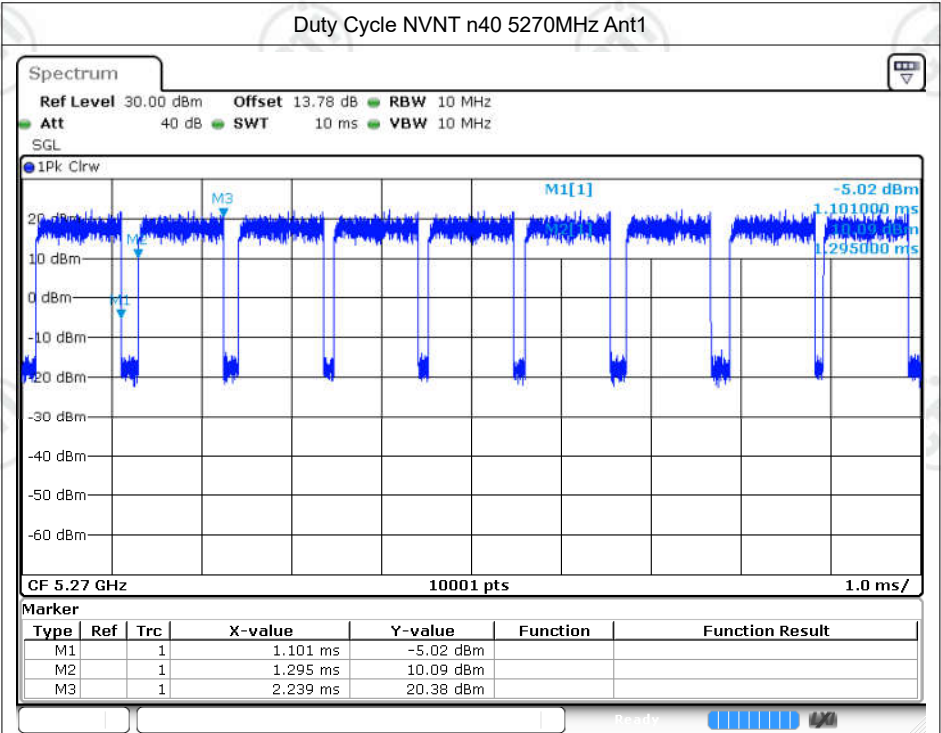
Date: 28.NOV.2024 13:24:12



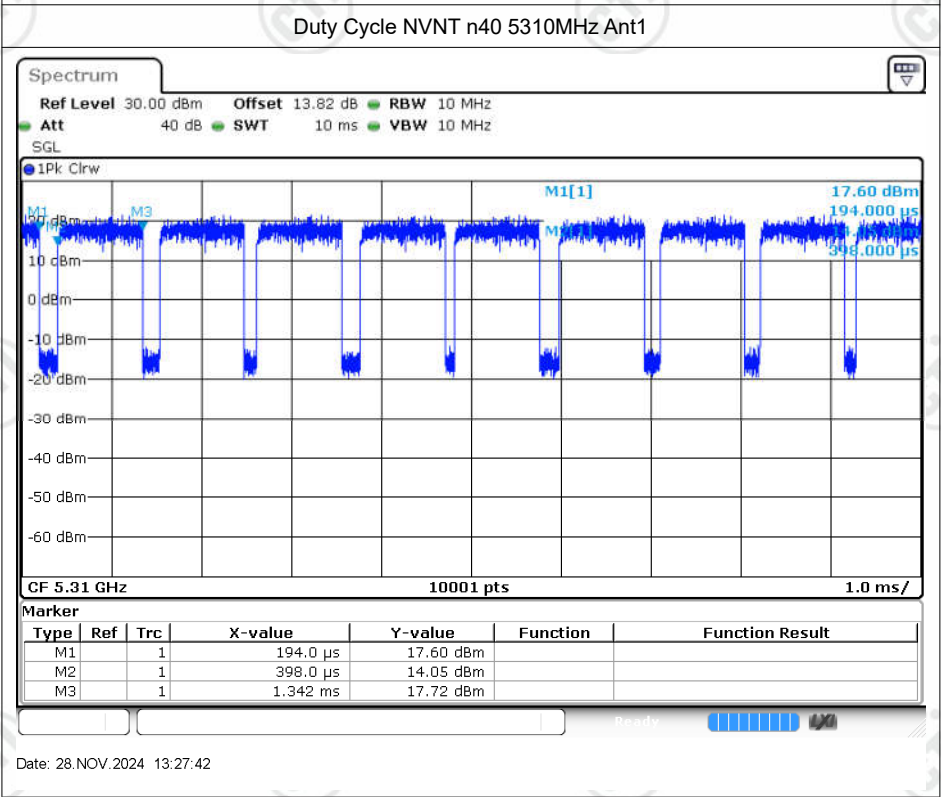
Date: 28.NOV.2024 13:24:29



Date: 28.NOV.2024 13:24:50



Date: 28.NOV.2024 13:25:25



Date: 28.NOV.2024 13:27:42

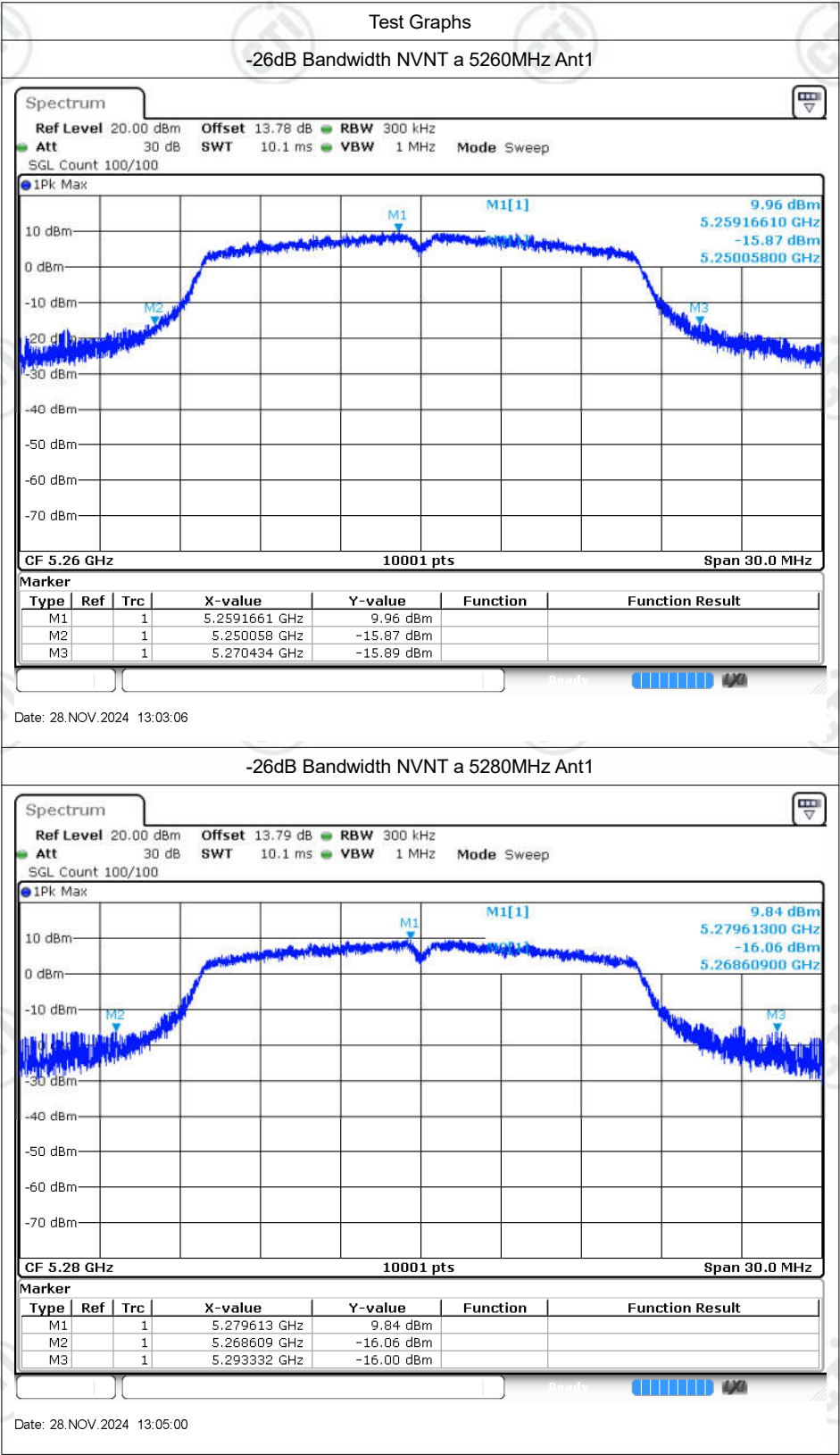
Maximum Conducted Output Power

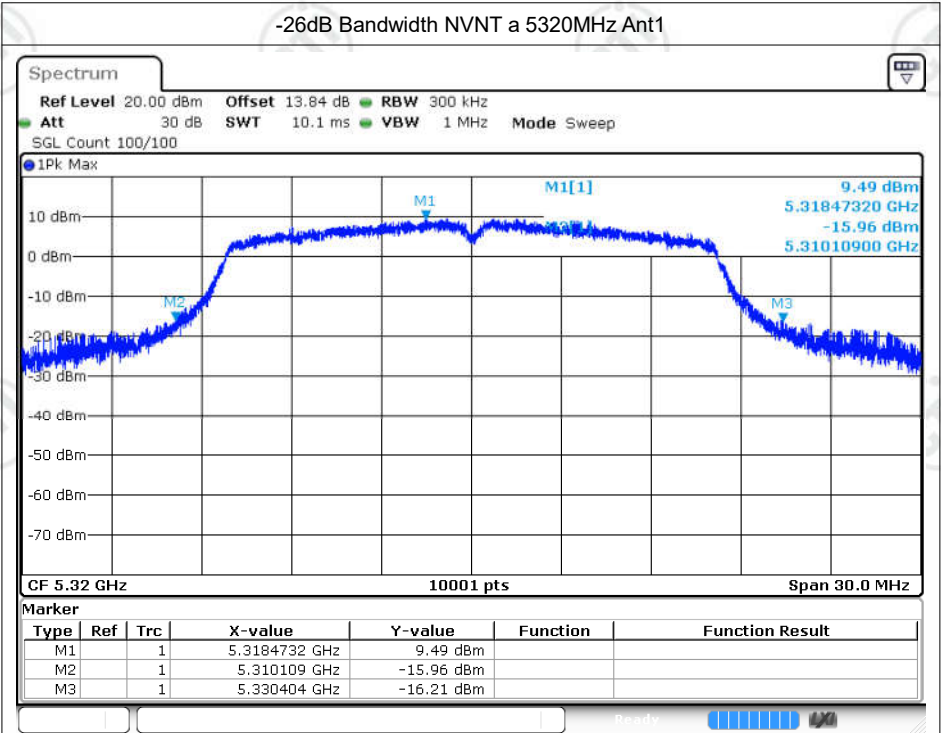
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	18.35	24	Pass
NVNT	a	5280	Ant1	18.21	24	Pass
NVNT	a	5320	Ant1	18.33	24	Pass
NVNT	n20	5260	Ant1	17.23	24	Pass
NVNT	n20	5280	Ant1	17.13	24	Pass
NVNT	n20	5320	Ant1	17.21	24	Pass
NVNT	n40	5270	Ant1	17.24	24	Pass
NVNT	n40	5310	Ant1	17.27	24	Pass

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

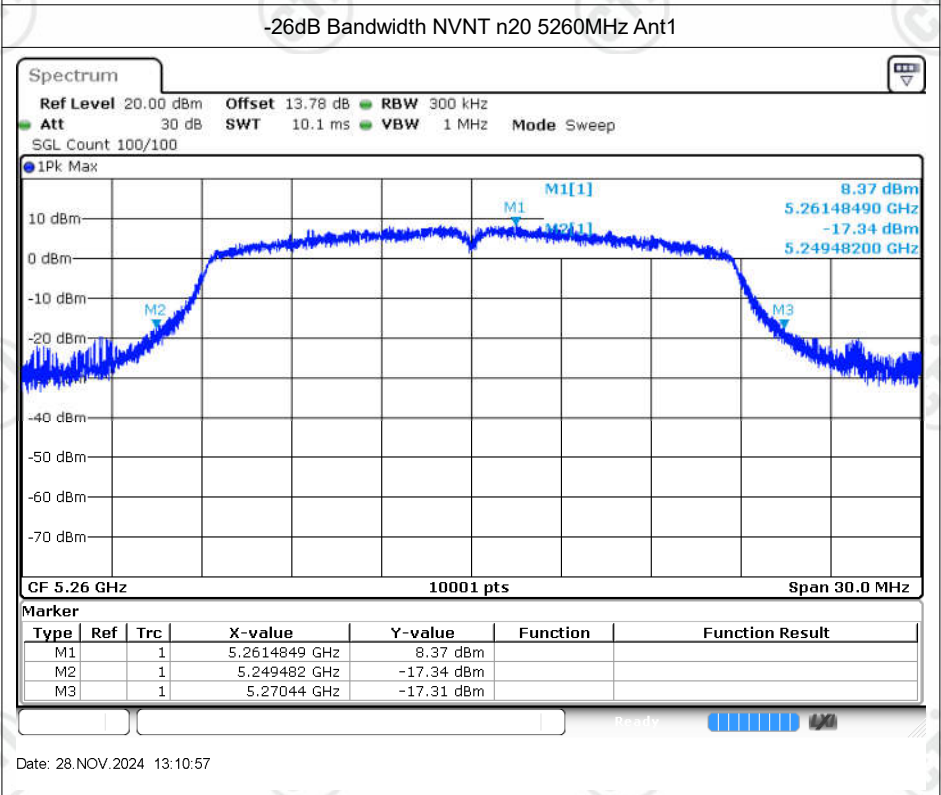
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	20.376	0.5	Pass
NVNT	a	5280	Ant1	24.723	0.5	Pass
NVNT	a	5320	Ant1	20.295	0.5	Pass
NVNT	n20	5260	Ant1	20.958	0.5	Pass
NVNT	n20	5280	Ant1	21.363	0.5	Pass
NVNT	n20	5320	Ant1	21.102	0.5	Pass
NVNT	n40	5270	Ant1	37.86	0.5	Pass
NVNT	n40	5310	Ant1	38.268	0.5	Pass

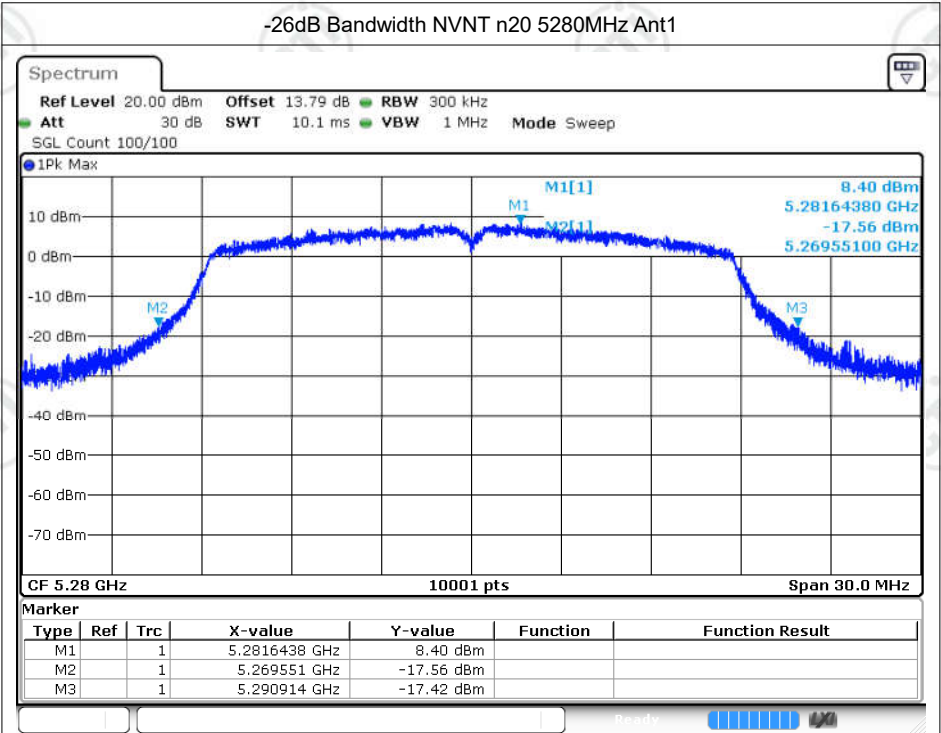




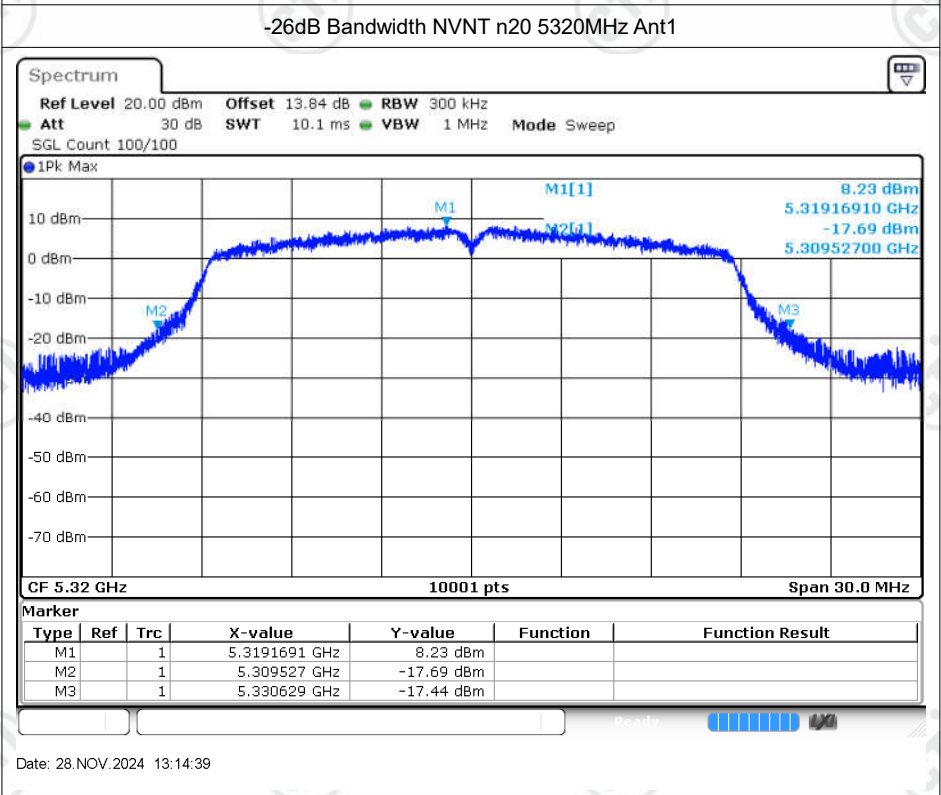
Date: 28.NOV.2024 13:07:54



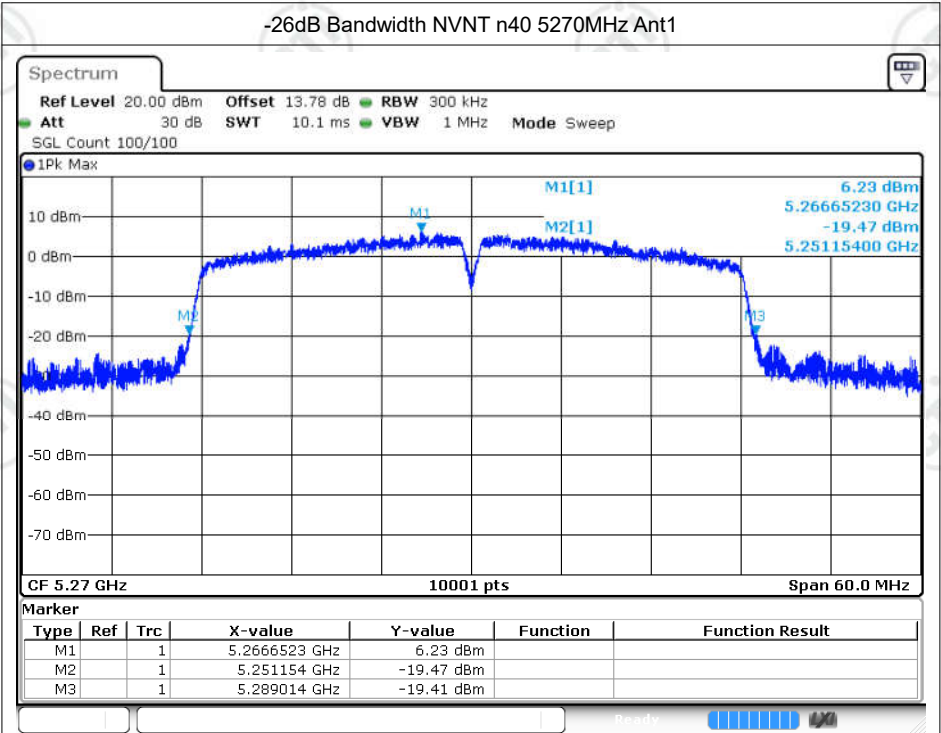
Date: 28.NOV.2024 13:10:57



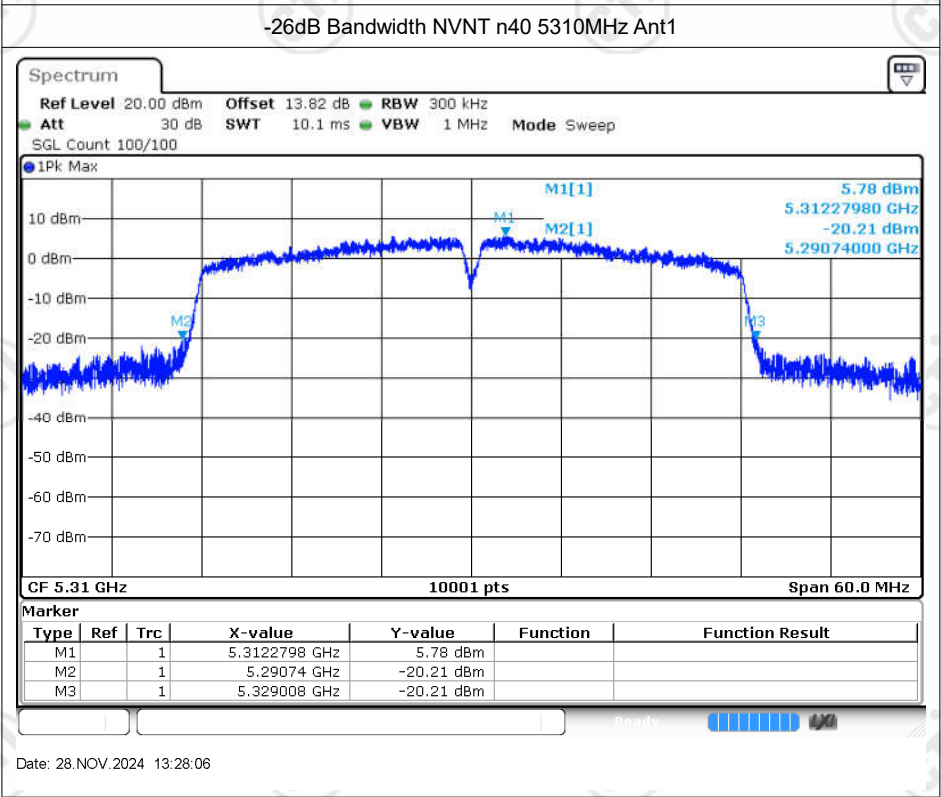
Date: 28.NOV.2024 13:13:02



Date: 28.NOV.2024 13:14:39



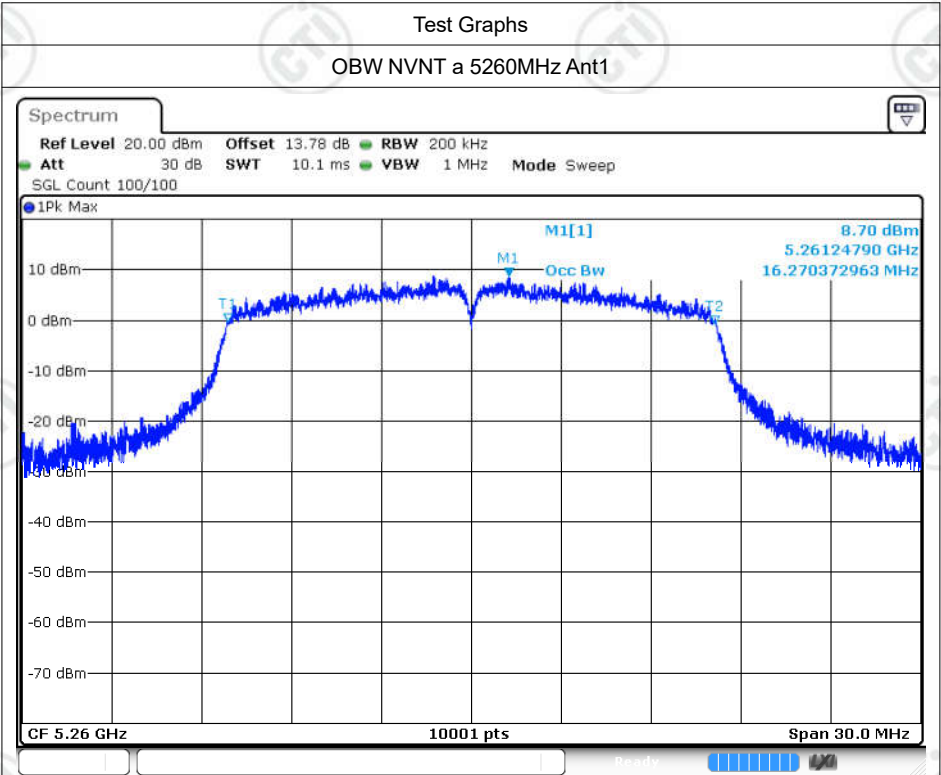
Date: 28.NOV.2024 13:25:48



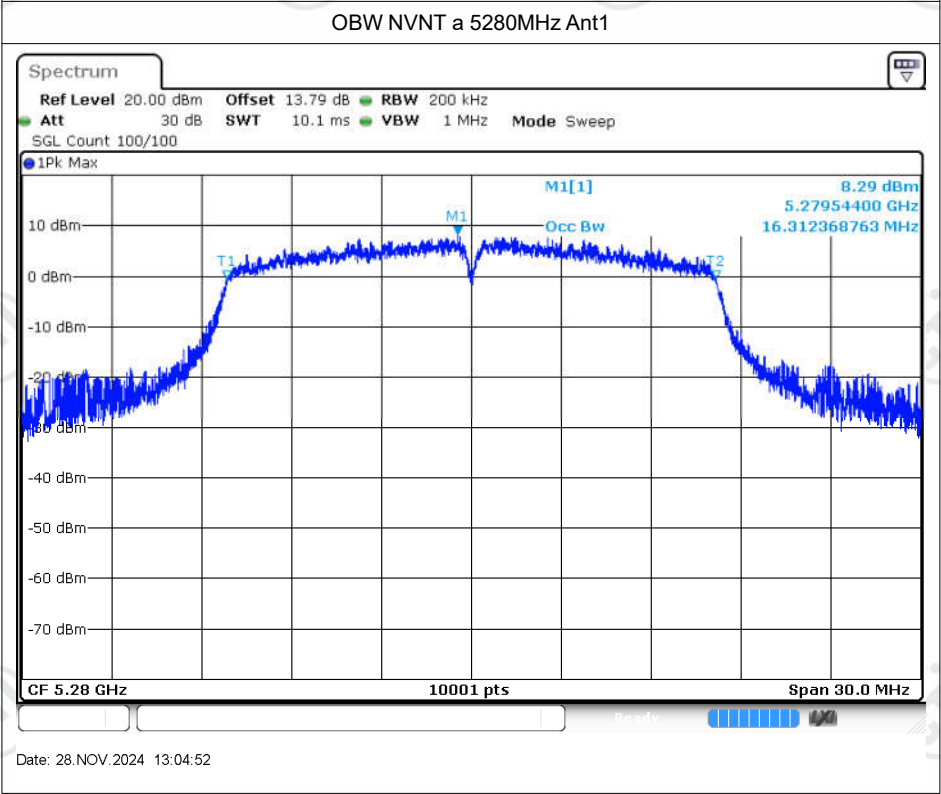
Date: 28.NOV.2024 13:28:06

Occupied Channel Bandwidth

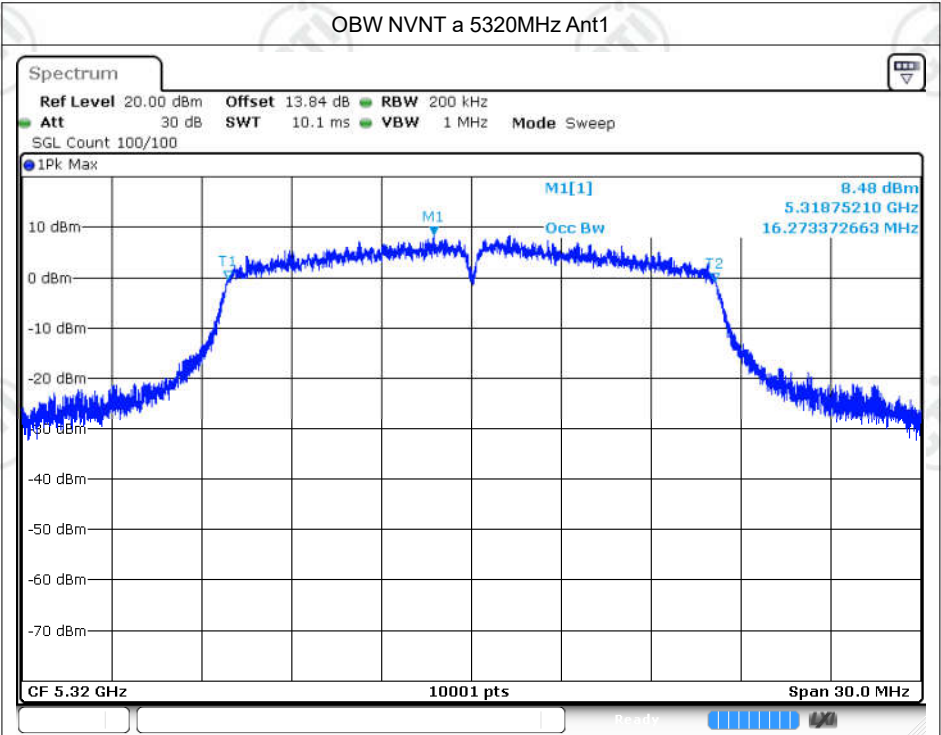
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.27
NVNT	a	5280	Ant1	16.312
NVNT	a	5320	Ant1	16.273
NVNT	n20	5260	Ant1	17.368
NVNT	n20	5280	Ant1	17.383
NVNT	n20	5320	Ant1	17.38
NVNT	n40	5270	Ant1	35.354
NVNT	n40	5310	Ant1	35.354



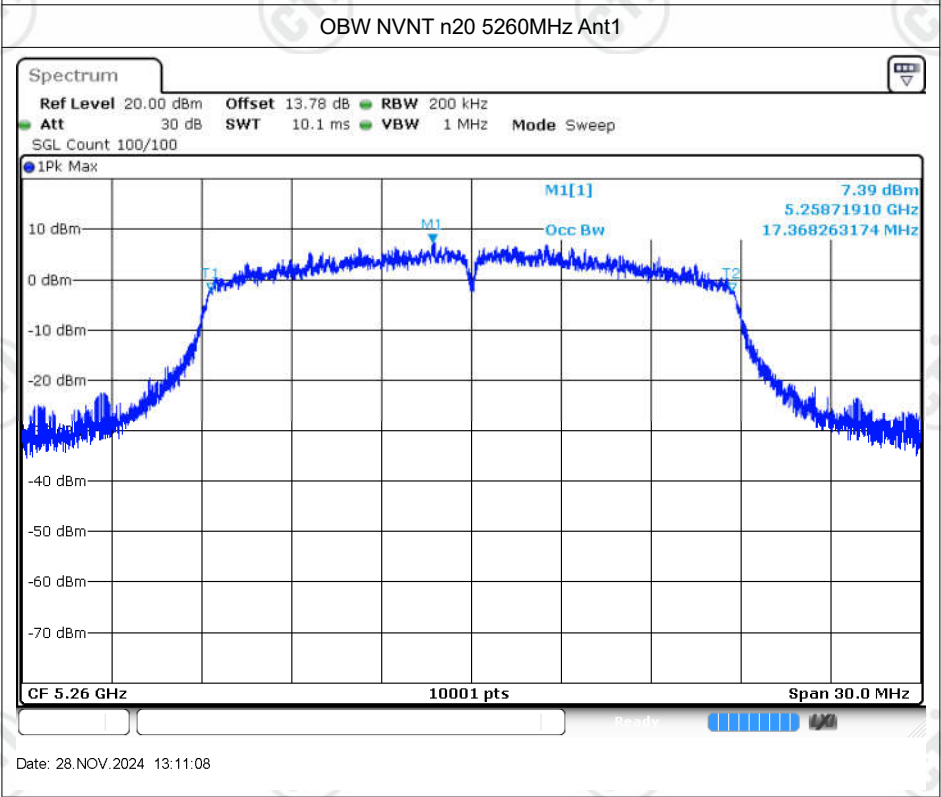
Date: 28.NOV.2024 13:02:55



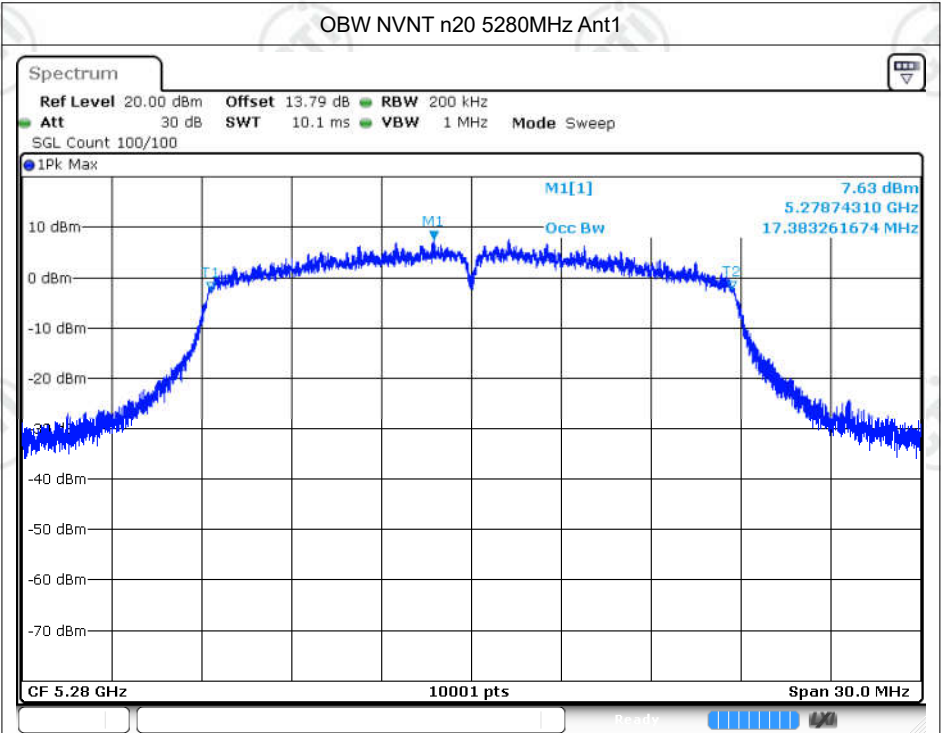
Date: 28.NOV.2024 13:04:52



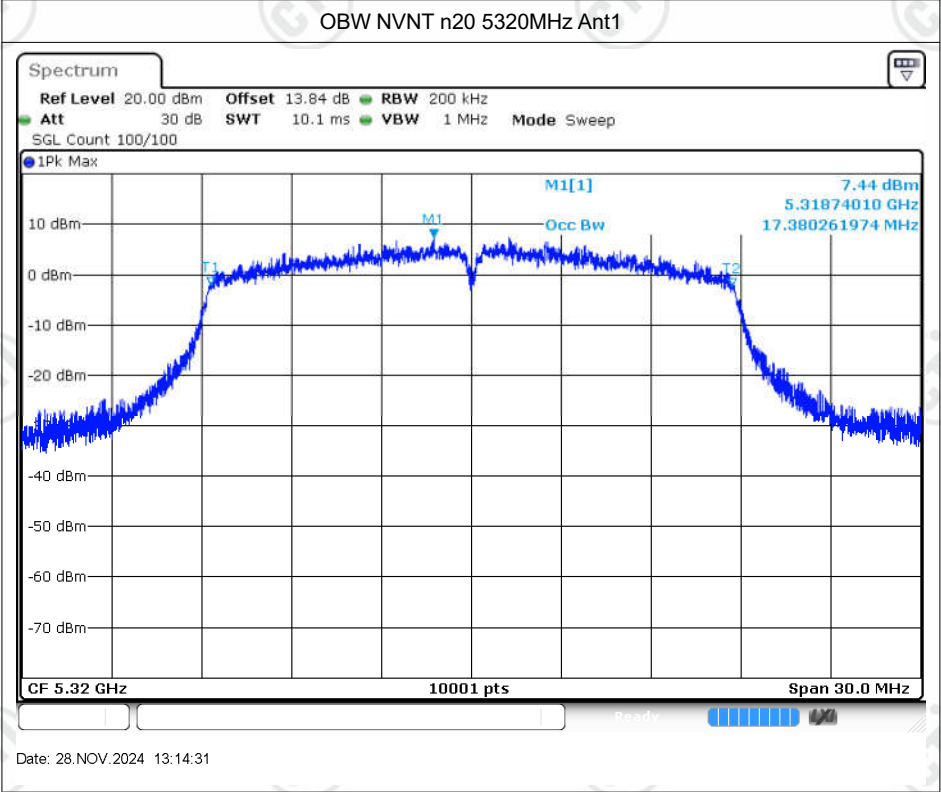
Date: 28.NOV.2024 13:07:39



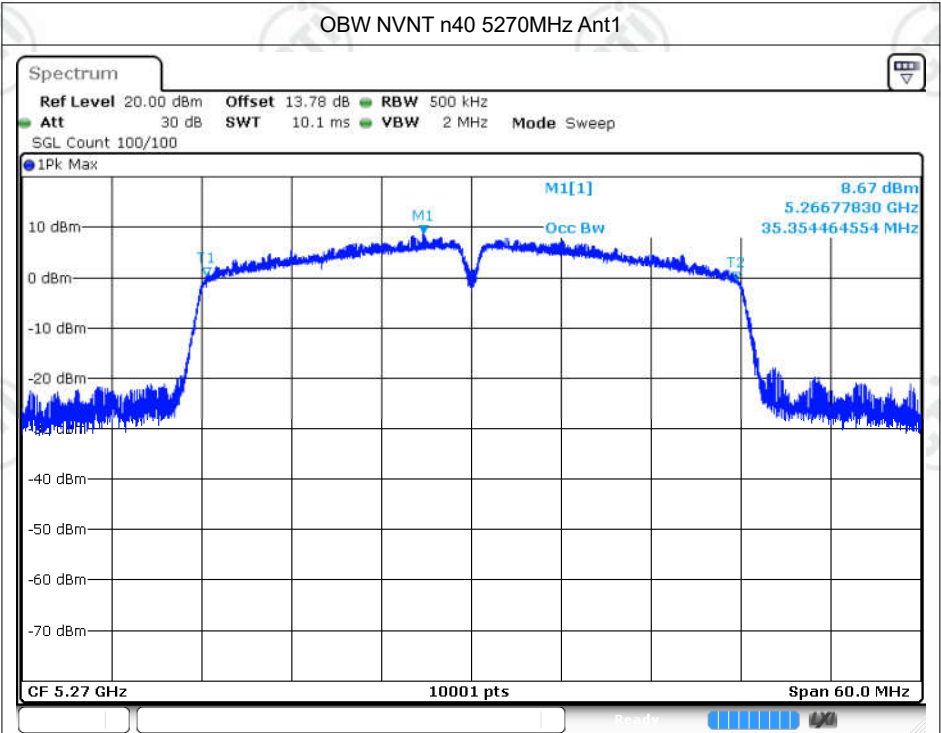
Date: 28.NOV.2024 13:11:08



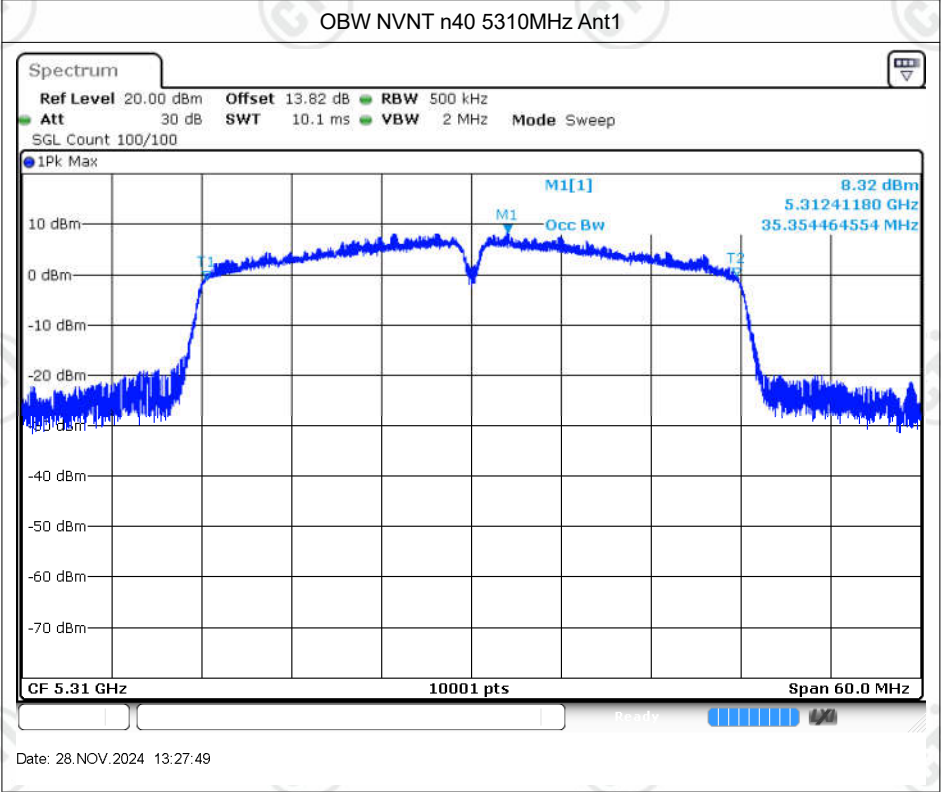
Date: 28.NOV.2024 13:12:53



Date: 28.NOV.2024 13:14:31



Date: 28.NOV.2024 13:25:40

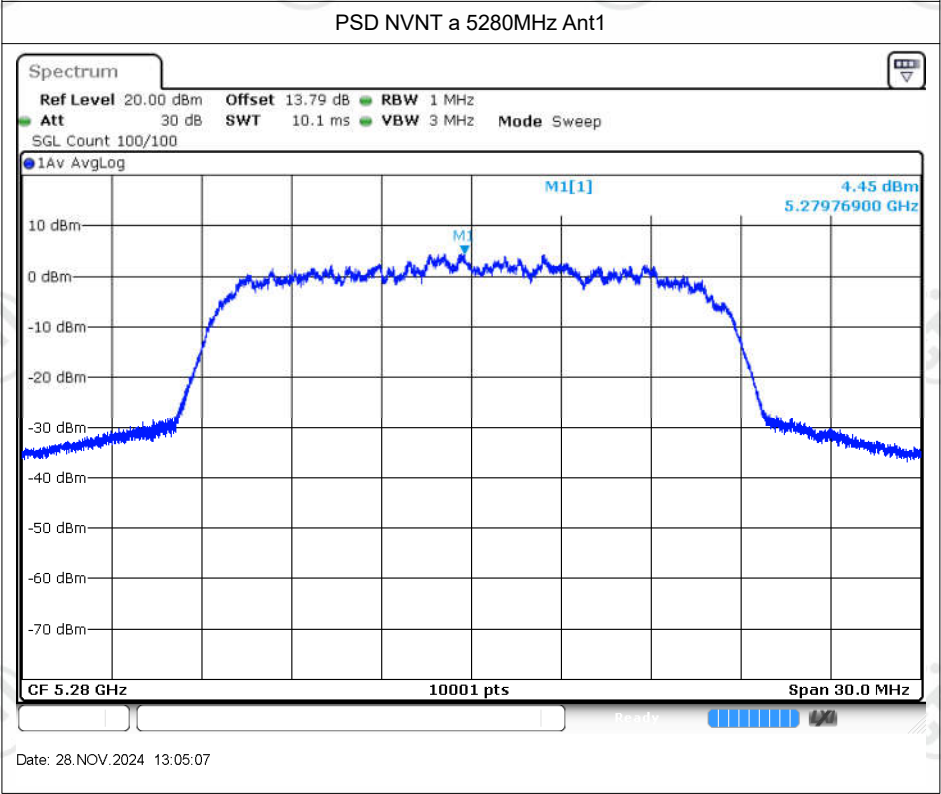
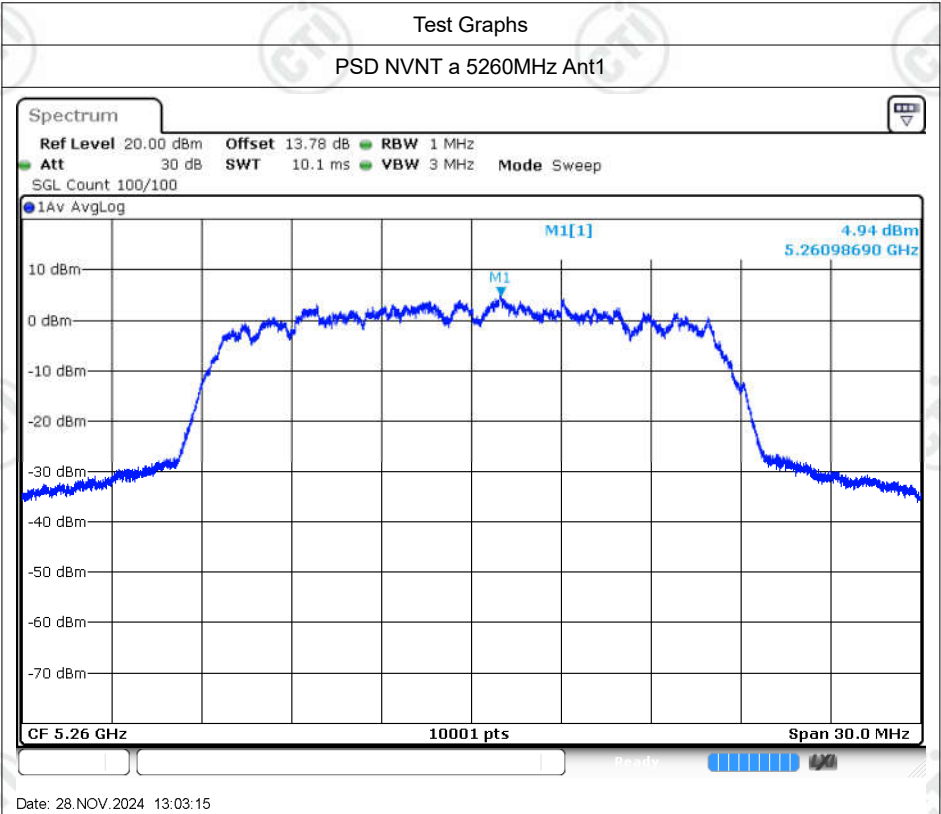


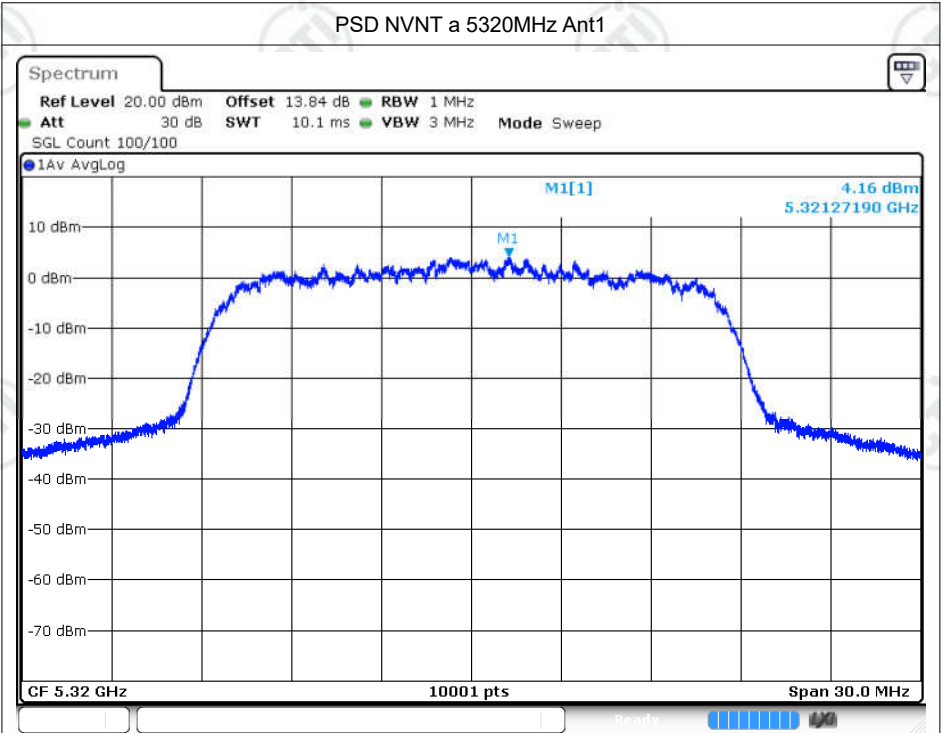
Date: 28.NOV.2024 13:27:49

Maximum Power Spectral Density Level

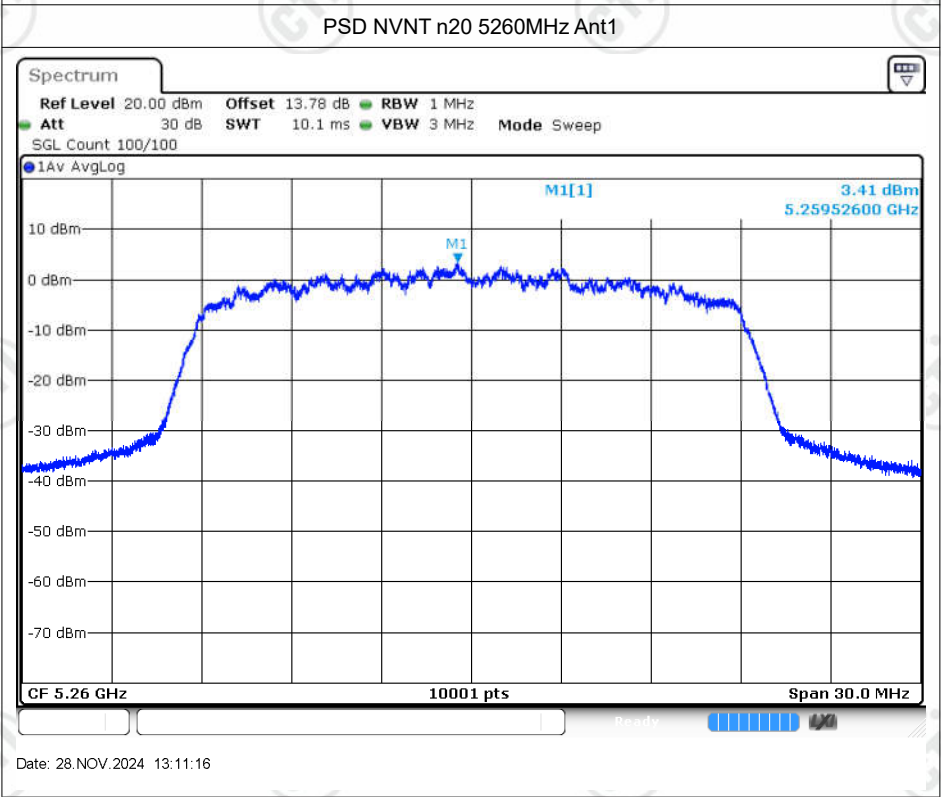
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	4.94	0.3	5.24	11	Pass
NVNT	a	5280	Ant1	4.45	0.21	4.66	11	Pass
NVNT	a	5320	Ant1	4.16	0.23	4.39	11	Pass
NVNT	n20	5260	Ant1	3.41	0.36	3.77	11	Pass
NVNT	n20	5280	Ant1	3.03	0.27	3.3	11	Pass
NVNT	n20	5320	Ant1	3.75	0.34	4.09	11	Pass
NVNT	n40	5270	Ant1	-1.62	0.81	-0.81	11	Pass
NVNT	n40	5310	Ant1	-2.27	0.85	-1.42	11	Pass

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

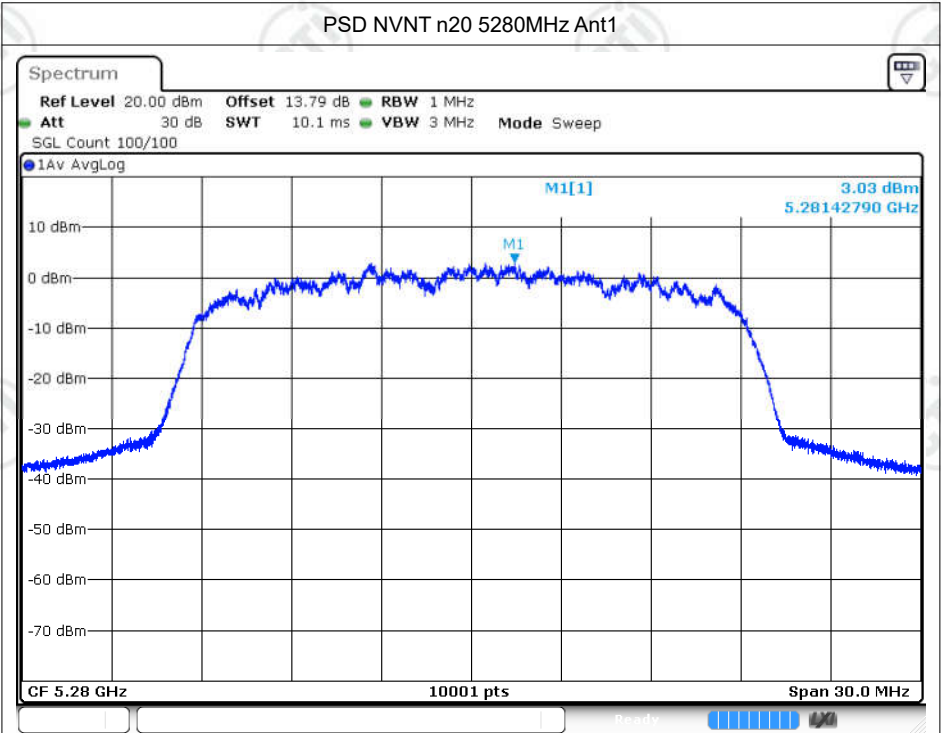




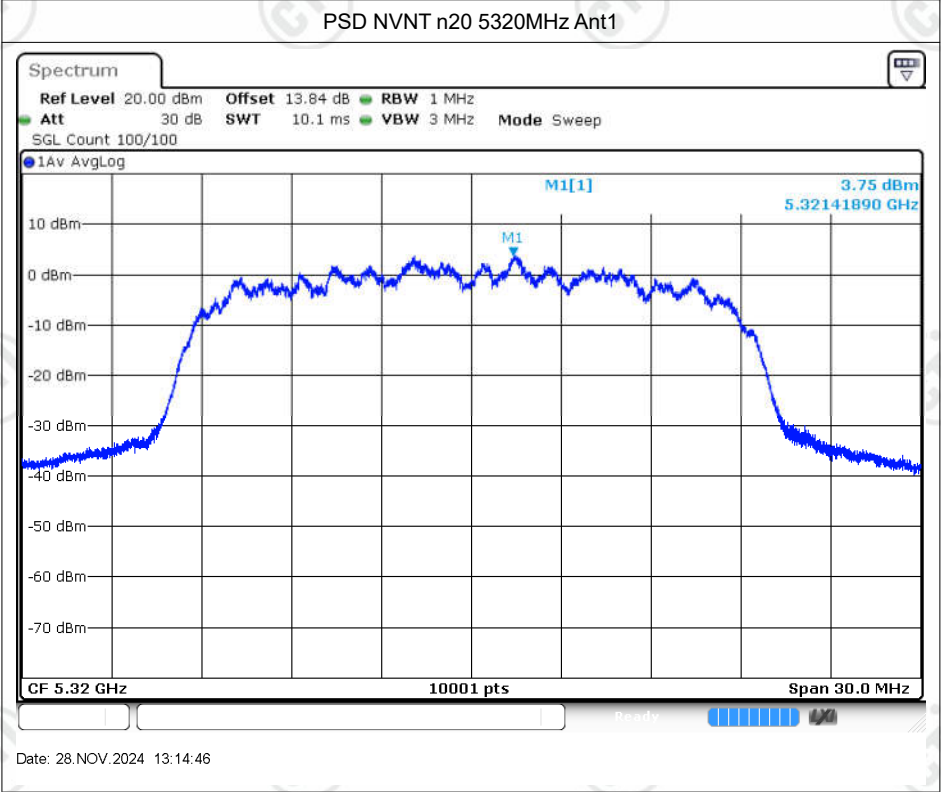
Date: 28.NOV.2024 13:08:46



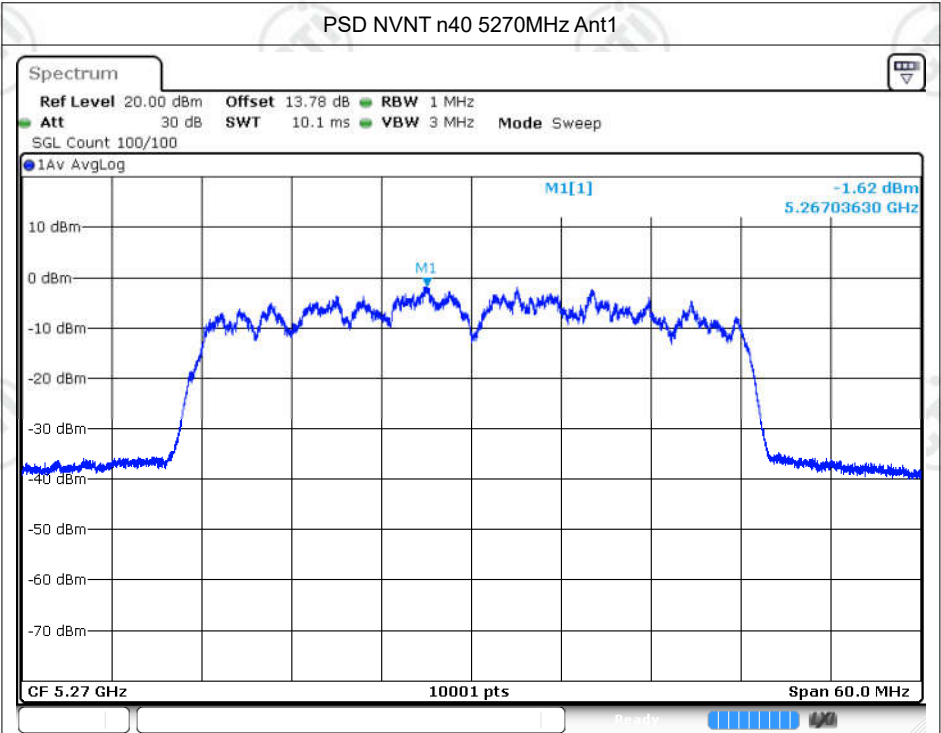
Date: 28.NOV.2024 13:11:16



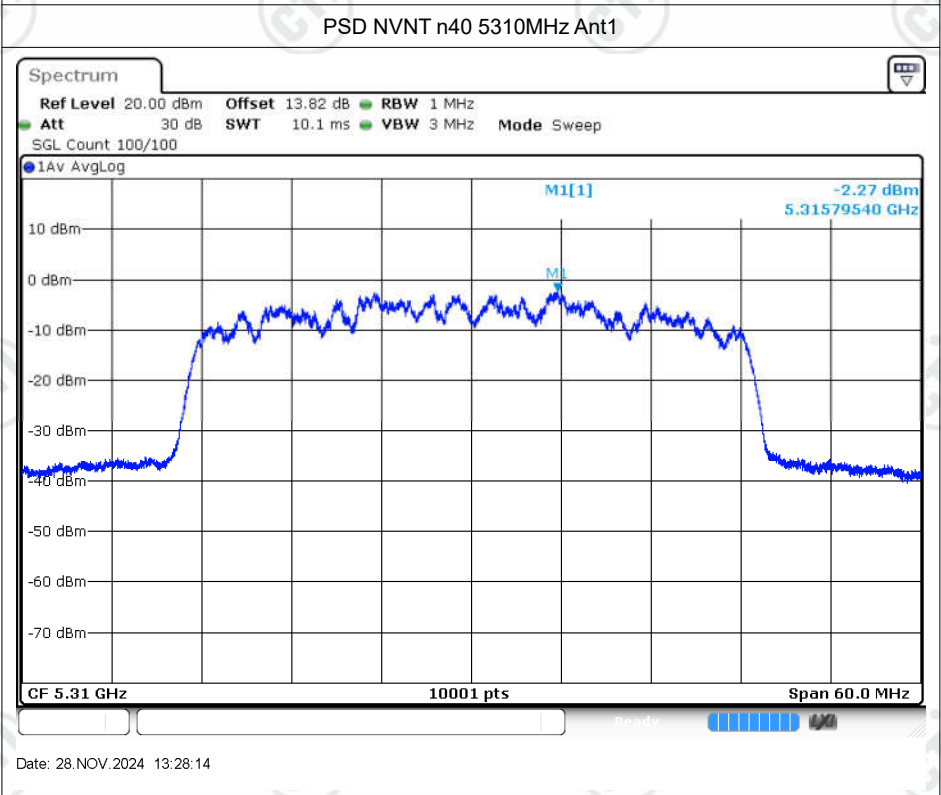
Date: 28.NOV.2024 13:13:09



Date: 28.NOV.2024 13:14:46



Date: 28.NOV.2024 13:25:56



Date: 28.NOV.2024 13:28:14

Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 102V	a	5260	Ant1	5260	0	0	25	Pass
20C 120V	a	5260	Ant1	5260	0	0	25	Pass
20C 138V	a	5260	Ant1	5260	0	0	25	Pass
-20C 120V	a	5260	Ant1	5260	0	0	25	Pass
-10C 120V	a	5260	Ant1	5260.02	20000	3.8	25	Pass
0C 120V	a	5260	Ant1	5259.98	-20000	-3.8	25	Pass
10C 120V	a	5260	Ant1	5260	0	0	25	Pass
30C 120V	a	5260	Ant1	5260.02	20000	3.8	25	Pass
40C 120V	a	5260	Ant1	5259.98	-20000	-3.8	25	Pass
50C 120V	a	5260	Ant1	5260.02	20000	3.8	25	Pass
20C 102V	a	5280	Ant1	5280.02	20000	3.79	25	Pass
20C 120V	a	5280	Ant1	5279.86	-140000	-26.52	25	Pass
20C 138V	a	5280	Ant1	5279.98	-20000	-3.79	25	Pass
-20C 120V	a	5280	Ant1	5280.02	20000	3.79	25	Pass
-10C 120V	a	5280	Ant1	5279.98	-20000	-3.79	25	Pass
0C 120V	a	5280	Ant1	5279.98	-20000	-3.79	25	Pass
10C 120V	a	5280	Ant1	5280	0	0	25	Pass
30C 120V	a	5280	Ant1	5280.02	20000	3.79	25	Pass
40C 120V	a	5280	Ant1	5280	0	0	25	Pass
50C 120V	a	5280	Ant1	5280	0	0	25	Pass
20C 102V	a	5320	Ant1	5320.02	20000	3.76	25	Pass
20C 120V	a	5320	Ant1	5320	0	0	25	Pass
20C 138V	a	5320	Ant1	5320.02	20000	3.76	25	Pass
-20C 120V	a	5320	Ant1	5319.98	-20000	-3.76	25	Pass
-10C 120V	a	5320	Ant1	5319.96	-40000	-7.52	25	Pass
0C 120V	a	5320	Ant1	5320.02	20000	3.76	25	Pass
10C 120V	a	5320	Ant1	5320.04	40000	7.52	25	Pass
30C 120V	a	5320	Ant1	5320	0	0	25	Pass
40C 120V	a	5320	Ant1	5319.98	-20000	-3.76	25	Pass
50C 120V	a	5320	Ant1	5320.02	20000	3.76	25	Pass
20C 102V	n20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
20C 120V	n20	5260	Ant1	5260.02	20000	3.8	25	Pass
20C 138V	n20	5260	Ant1	5260.06	60000	11.41	25	Pass
-20C 120V	n20	5260	Ant1	5260	0	0	25	Pass
-10C 120V	n20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
0C 120V	n20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
10C 120V	n20	5260	Ant1	5260	0	0	25	Pass
30C 120V	n20	5260	Ant1	5259.96	-40000	-7.6	25	Pass

40C 120V	n20	5260	Ant1	5260	0	0	25	Pass
50C 120V	n20	5260	Ant1	5259.98	-20000	-3.8	25	Pass
20C 102V	n20	5280	Ant1	5280	0	0	25	Pass
20C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
20C 138V	n20	5280	Ant1	5280	0	0	25	Pass
-20C 120V	n20	5280	Ant1	5280	0	0	25	Pass
-10C 120V	n20	5280	Ant1	5280	0	0	25	Pass
0C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
10C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
30C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
40C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
50C 120V	n20	5280	Ant1	5279.98	-20000	-3.79	25	Pass
20C 102V	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
20C 120V	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
20C 138V	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
-20C 120V	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
-10C 120V	n20	5320	Ant1	5319.98	-20000	-3.76	25	Pass
0C 120V	n20	5320	Ant1	5320	0	0	25	Pass
10C 120V	n20	5320	Ant1	5320	0	0	25	Pass
30C 120V	n20	5320	Ant1	5320	0	0	25	Pass
40C 120V	n20	5320	Ant1	5320	0	0	25	Pass
50C 120V	n20	5320	Ant1	5320	0	0	25	Pass
20C 102V	n40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
20C 120V	n40	5270	Ant1	5270	0	0	25	Pass
20C 138V	n40	5270	Ant1	5270.04	40000	7.59	25	Pass
-20C 120V	n40	5270	Ant1	5270	0	0	25	Pass
-10C 120V	n40	5270	Ant1	5269.84	-160000	-30.36	25	Pass
0C 120V	n40	5270	Ant1	5270.32	320000	60.72	25	Pass
10C 120V	n40	5270	Ant1	5270.04	40000	7.59	25	Pass
30C 120V	n40	5270	Ant1	5269.84	-160000	-30.36	25	Pass
40C 120V	n40	5270	Ant1	5269.96	-40000	-7.59	25	Pass
50C 120V	n40	5270	Ant1	5270	0	0	25	Pass
20C 102V	n40	5310	Ant1	5310.12	120000	22.6	25	Pass
20C 120V	n40	5310	Ant1	5310.16	160000	30.13	25	Pass
20C 138V	n40	5310	Ant1	5310	0	0	25	Pass
-20C 120V	n40	5310	Ant1	5310	0	0	25	Pass
-10C 120V	n40	5310	Ant1	5310.12	120000	22.6	25	Pass
0C 120V	n40	5310	Ant1	5310.04	40000	7.53	25	Pass
10C 120V	n40	5310	Ant1	5310	0	0	25	Pass
30C 120V	n40	5310	Ant1	5310.04	40000	7.53	25	Pass
40C 120V	n40	5310	Ant1	5310.16	160000	30.13	25	Pass

50C 120V	n40	5310	Ant1	5310.04	40000	7.53	25	Pass
----------	-----	------	------	---------	-------	------	----	------

END OF REPORT