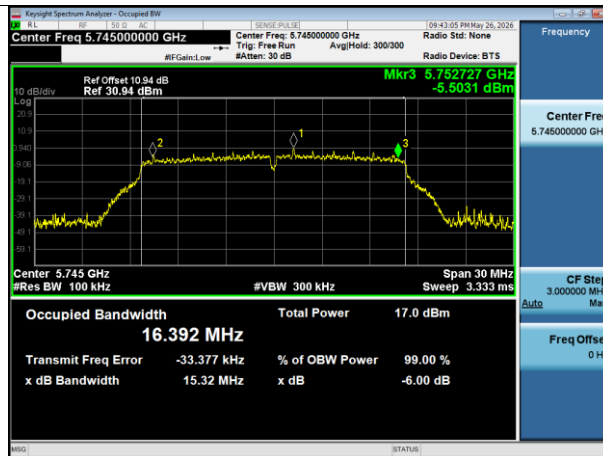


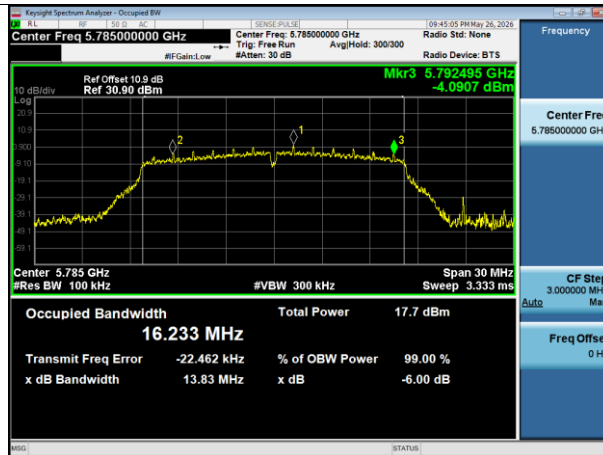
Appendix C: -6dB Bandwidth

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	5745	Ant1	15.32	≥0.5	PASS
a	5785	Ant1	13.83	≥0.5	PASS
a	5825	Ant1	15.71	≥0.5	PASS
n20	5745	Ant1	15.35	≥0.5	PASS
n20	5785	Ant1	15.06	≥0.5	PASS
n20	5825	Ant1	16.32	≥0.5	PASS
n40	5755	Ant1	32.54	≥0.5	PASS
n40	5795	Ant1	35.08	≥0.5	PASS
ac80	5775	Ant1	75.11	≥0.5	PASS

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
a	Ant1	5720	14.68	5712.36	5727.04	---	---
		5720 UNII-2C	12.64	5712.36	5725	---	---
		5720 UNII-3	2.04	5725	5727.04	≥0.5	PASS
n20	Ant1	5720	17.56	5711.16	5728.72	---	---
		5720 UNII-2C	13.84	5711.16	5725	---	---
		5720 UNII-3	3.72	5725	5728.72	≥0.5	PASS
n40	Ant1	5710	35.12	5692.40	5727.52	---	---
		5710 UNII-2C	32.6	5692.40	5725	---	---
		5710 UNII-3	2.52	5725	5727.52	≥0.5	PASS
ac80	Ant1	5690	75.04	5652.40	5727.44	---	---
		5690 UNII-2C	72.6	5652.40	5725	---	---
		5690 UNII-3	2.44	5725	5727.44	≥0.5	PASS



-6dB Bandwidth NVNT a 5745MHz Ant1



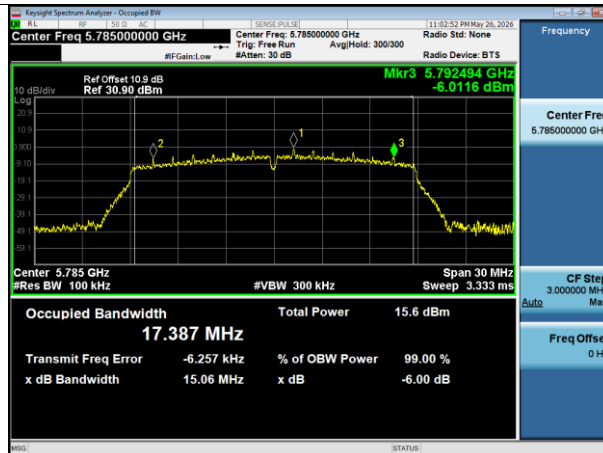
-6dB Bandwidth NVNT a 5785MHz Ant1



-6dB Bandwidth NVNT a 5825MHz Ant1



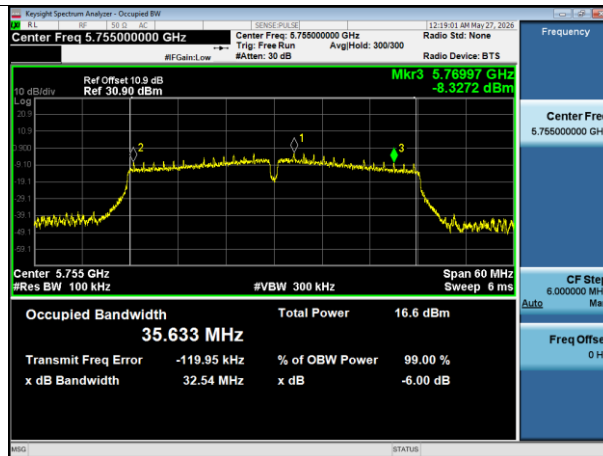
-6dB Bandwidth NVNT n20 5745MHz Ant1



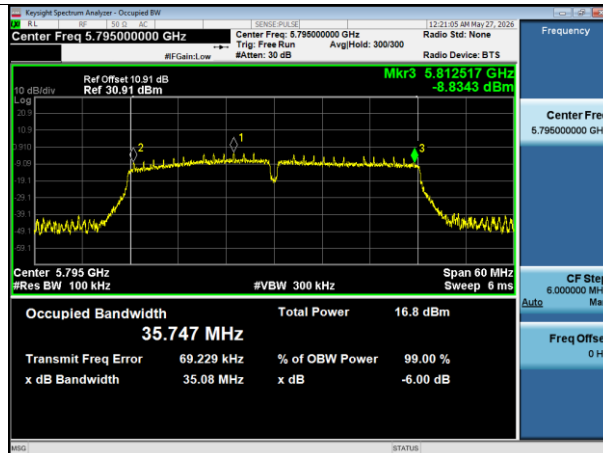
-6dB Bandwidth NVNT n20 5785MHz Ant1



-6dB Bandwidth NVNT n20 5825MHz Ant1



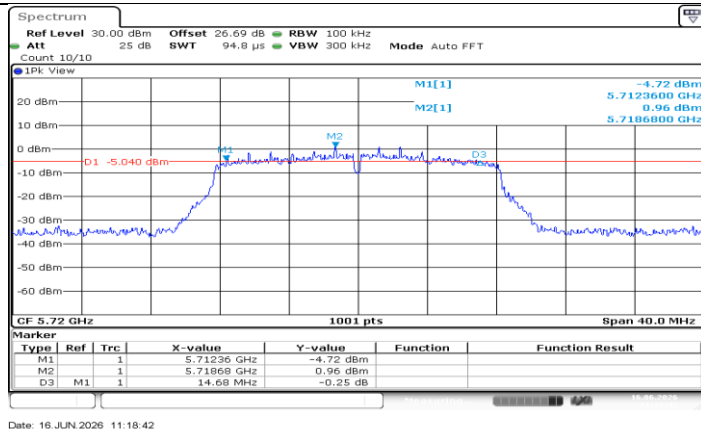
-6dB Bandwidth NVNT n40 5755MHz Ant1



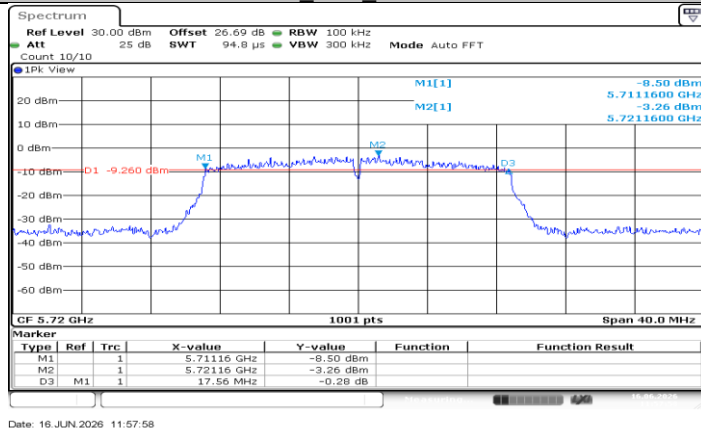
-6dB Bandwidth NVNT n40 5795MHz Ant1



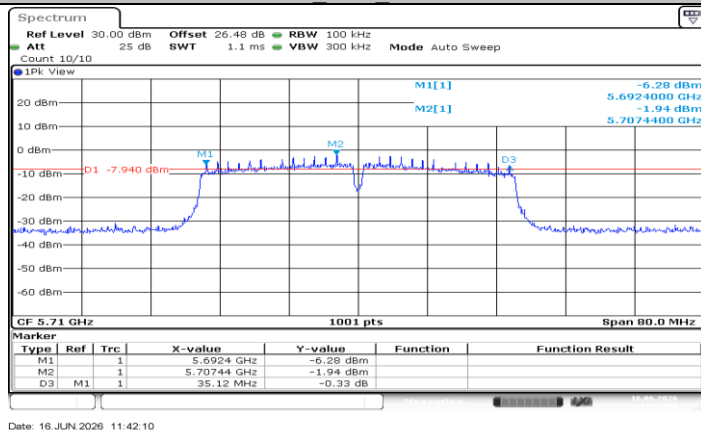
-6dB Bandwidth NVNT ac80 5775MHz Ant1



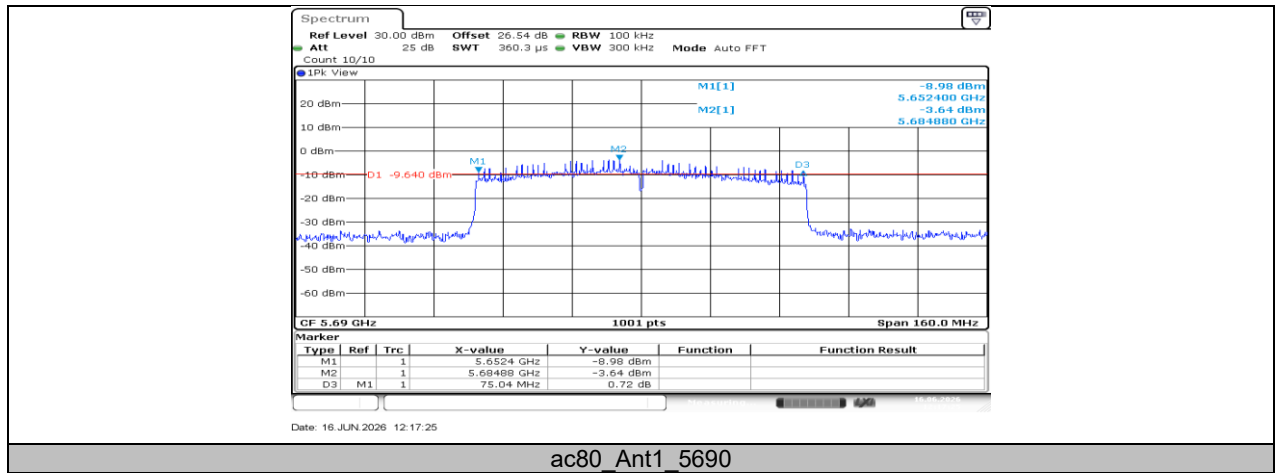
a_Ant1_5720



n20_Ant1_5720



n40_Ant1_5710



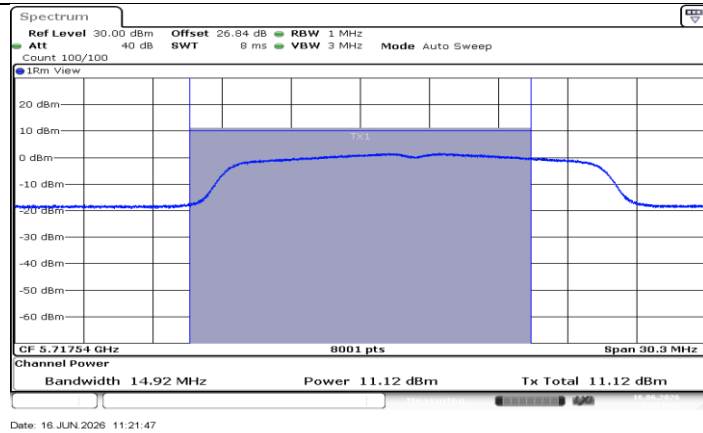
Appendix D: Maximum Conducted Output Power

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
a	Ant1	5180	12.09	≤23.98	---	15.47	≤22.12	PASS
		5200	11.2	≤23.98	---	14.58	≤22.17	PASS
		5240	12.42	≤23.98	---	15.80	≤22.12	PASS
		5260	11.49	≤23.98	≤23.17	14.87	≤29.17	PASS
		5280	12.04	≤23.98	≤23.16	15.42	≤29.16	PASS
		5320	11.85	≤23.98	≤23.15	15.23	≤29.15	PASS
		5500	12.79	≤23.98	≤23.12	16.17	≤29.12	PASS
		5580	12.03	≤23.98	≤23.18	15.41	≤29.18	PASS
		5700	12.24	≤23.93	≤23.10	15.62	≤29.10	PASS
		5720_UNII-2C	11.12	≤22.74	≤22.36	14.50	≤28.36	PASS
		5720_UNII-3	3.41	≤30.00	≤30.00	6.79	---	PASS
		5745	11.12	≤30.00	≤30.00	14.50	---	PASS
		5785	11.77	≤30.00	≤30.00	15.15	---	PASS
		5825	10.77	≤30.00	≤30.00	14.15	---	PASS
n20	Ant1	5180	10.13	≤23.98	---	13.51	≤22.43	PASS
		5200	9.24	≤23.98	---	12.62	≤22.46	PASS
		5240	10.41	≤23.98	---	13.79	≤22.42	PASS
		5260	9.49	≤23.98	≤23.45	12.87	≤29.45	PASS
		5280	10.27	≤23.98	≤23.44	13.65	≤29.44	PASS
		5320	9.87	≤23.98	≤23.44	13.25	≤29.44	PASS
		5500	10.53	≤23.98	≤23.41	13.91	≤29.41	PASS
		5580	10.05	≤23.98	≤23.46	13.43	≤29.46	PASS
		5700	10.21	≤23.98	≤23.40	13.59	≤29.40	PASS
		5720_UNII-2C	9.01	≤22.85	≤22.50	12.39	≤28.50	PASS
		5720_UNII-3	1.81	≤30.00	≤30.00	5.19	---	PASS
		5745	9.29	≤30.00	≤30.00	12.67	---	PASS
		5785	9.86	≤30.00	≤30.00	13.24	---	PASS
		5825	8.92	≤30.00	≤30.00	12.30	---	PASS
n40	Ant1	5190	10.7	≤23.98	---	14.08	≤23.00	PASS
		5230	10.69	≤23.98	---	14.07	≤23.00	PASS
		5270	10.94	≤23.98	≤23.98	14.32	≤30.00	PASS
		5310	10.7	≤23.98	≤23.98	14.08	≤30.00	PASS
		5510	8.28	≤23.98	≤23.98	11.66	≤30.00	PASS
		5550	9.99	≤23.98	≤23.98	13.37	≤30.00	PASS

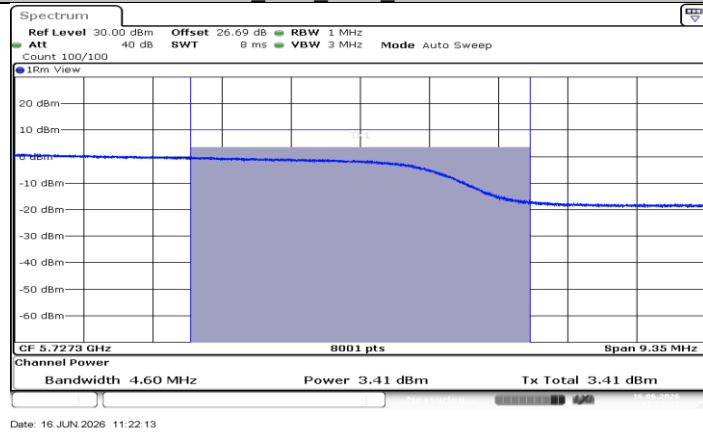
		5670	9.82	≤23.98	≤23.98	13.20	≤30.00	PASS
		5710_UNII-2C	10.73	≤23.98	≤23.98	14.11	≤30.00	PASS
		5710_UNII-3	-1.86	≤30.00	≤30.00	1.52	---	PASS
		5755	10.54	≤30.00	≤30.00	13.92	---	PASS
		5795	10.78	≤30.00	≤30.00	14.16	---	PASS
ac80	Ant1	5210	8.61	≤23.98	---	11.99	≤23.00	PASS
		5290	8.55	≤23.98	≤23.98	11.93	≤30.00	PASS
		5530	8.25	≤23.98	≤23.98	11.63	≤30.00	PASS
		5610	9.31	≤23.98	≤23.98	12.69	≤30.00	PASS
		5690_UNII-2C	10.67	≤23.98	≤23.98	14.05	≤30.00	PASS
		5690_UNII-3	-5.45	≤30.00	≤30.00	-2.07	---	PASS
		5775	10.5	≤30.00	≤30.00	13.88	---	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

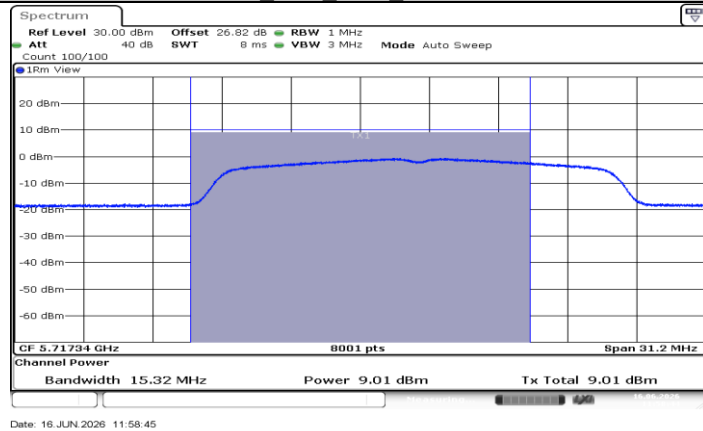
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.



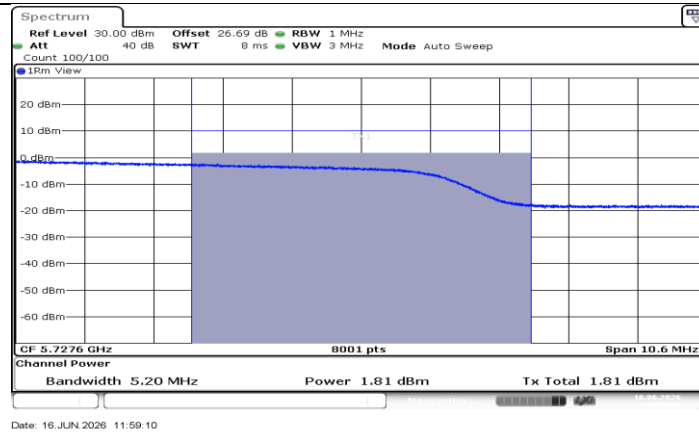
a Ant1 5720 UNII-2C



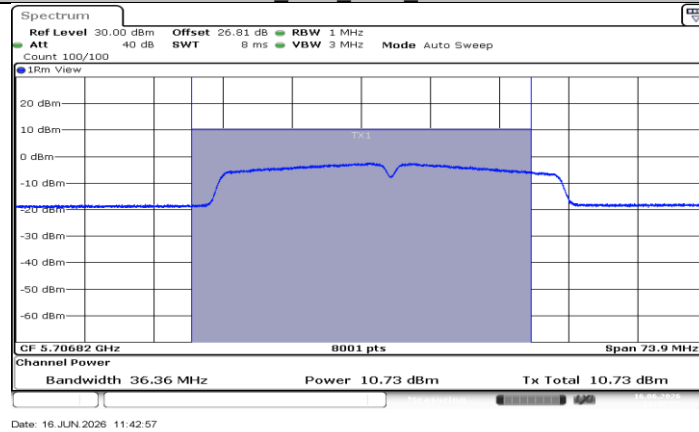
a Ant1 5720 UNII-3



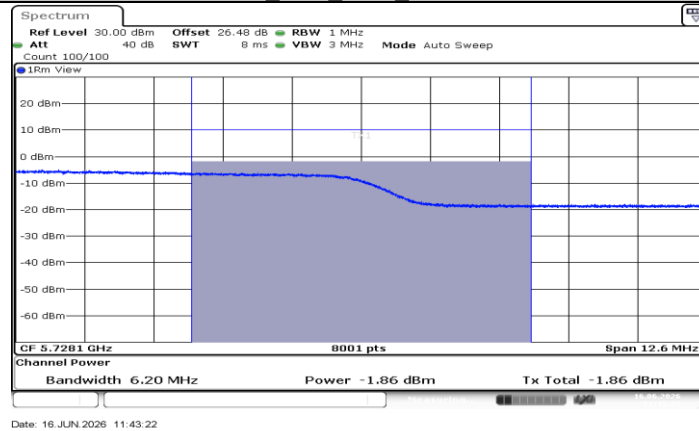
n20_Ant1 5720 UNII-2C



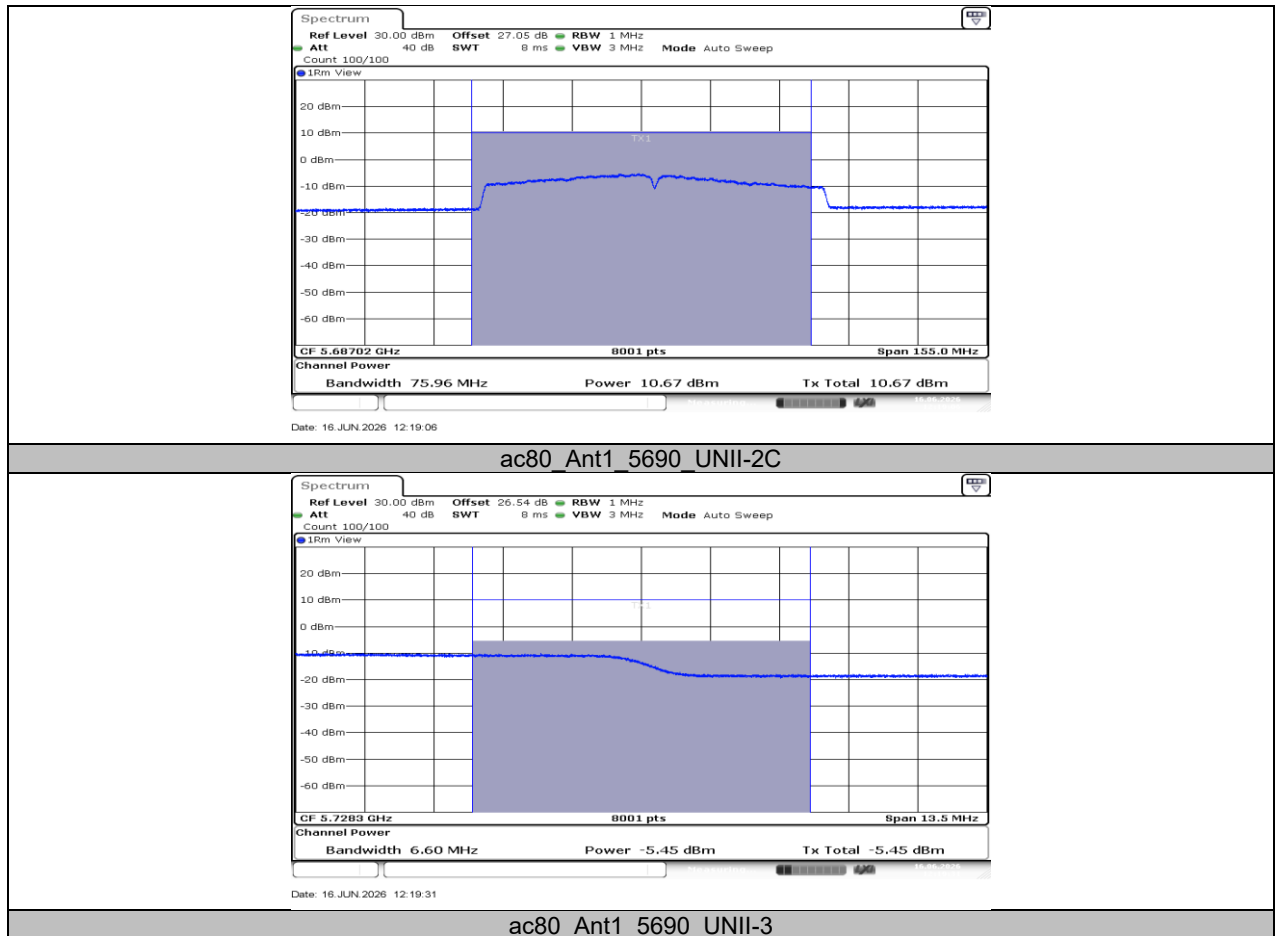
n20_Ant1_5720_UNII-3



n40_Ant1_5710_UNII-2C



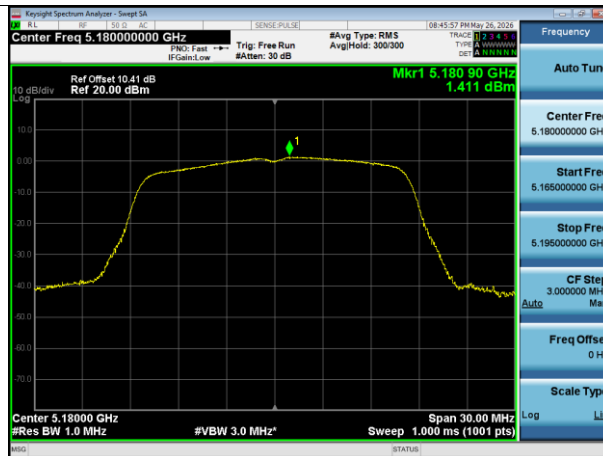
n40_Ant1_5710_UNII-3



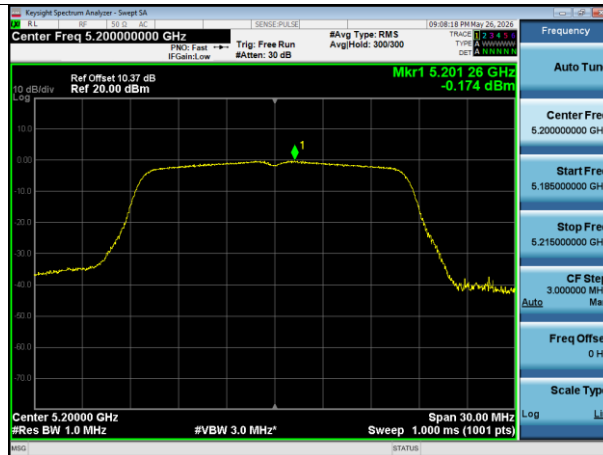
Appendix E: Maximum Power Spectral Density Level

Test Mode	Antenna	Frequency[MHz]	Conducted PSD [dBm]	Duty Factor [dB]	Total Conducted PSD	Limit	EIRP PSD	EIRP PSD Limit	Verdict
					[dBm]	[dBm]	[dBm]	[dBm]	
a	Ant1	5180	1.41	0.12	1.53	≤11.00	4.91	≤10.00	PASS
		5200	-0.17	0.12	-0.05	≤11.00	3.33	≤10.00	PASS
		5240	1.44	0.12	1.56	≤11.00	4.94	≤10.00	PASS
		5260	0.27	0.12	0.39	≤11.00	3.77	---	PASS
		5280	0.74	0.12	0.86	≤11.00	4.24	---	PASS
		5320	0.76	0.12	0.88	≤11.00	4.26	---	PASS
		5500	1.69	0.12	1.81	≤11.00	5.19	---	PASS
		5580	0.75	0.12	0.87	≤11.00	4.25	---	PASS
		5700	2.03	0.12	2.15	≤11.00	5.53	---	PASS
		5720_UNII-2C	1.31	0.12	1.43	≤11.00	4.81	---	PASS
		5720_UNII-3	-3.44	0.12	-3.32	≤30.00	0.06	---	PASS
		5745	-2.58	0.12	-2.46	≤30.00	0.92	---	PASS
		5785	-1.36	0.12	-1.24	≤30.00	2.14	---	PASS
		5825	-3.13	0.12	-3.01	≤30.00	0.37	---	PASS
n20	Ant1	5180	-0.81	0.16	-0.65	≤11.00	2.73	≤10.00	PASS
		5200	-2.59	0.16	-2.43	≤11.00	0.95	≤10.00	PASS
		5240	-0.78	0.16	-0.62	≤11.00	2.76	≤10.00	PASS
		5260	-2.2	0.16	-2.04	≤11.00	1.34	---	PASS
		5280	-1.55	0.16	-1.39	≤11.00	1.99	---	PASS
		5320	-1.59	0.16	-1.43	≤11.00	1.95	---	PASS
		5500	-0.39	0.16	-0.23	≤11.00	3.15	---	PASS
		5580	-1.84	0.16	-1.68	≤11.00	1.70	---	PASS
		5700	-0.37	0.16	-0.21	≤11.00	3.17	---	PASS
		5720_UNII-2C	-0.92	0.16	-0.76	≤11.00	2.62	---	PASS
		5720_UNII-3	-5.71	0.16	-5.55	≤30.00	-2.17	---	PASS
		5745	-4.87	0.16	-4.71	≤30.00	-1.33	---	PASS
		5785	-3.56	0.16	-3.40	≤30.00	-0.02	---	PASS
		5825	-5.58	0.16	-5.42	≤11.00	-2.04	---	PASS

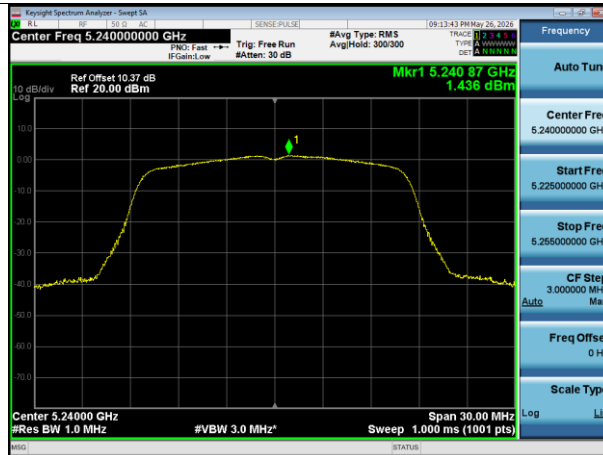
n40	Ant1	5190	-3.06	0.26	-2.80	≤11.00	0.58	≤10.00	PASS
		5230	-4.16	0.26	-3.90	≤11.00	-0.52	≤10.00	PASS
		5270	-2.96	0.26	-2.70	≤11.00	0.68	---	PASS
		5310	-4.22	0.26	-3.96	≤11.00	-0.58	---	PASS
		5510	-3.4	0.26	-3.14	≤11.00	0.24	---	PASS
		5550	-2.03	0.26	-1.77	≤11.00	1.61	---	PASS
		5670	-2.1	0.26	-1.84	≤11.00	1.54	---	PASS
		5710_UNII-2C	-2.75	0.26	-2.49	≤11.00	0.89	---	PASS
		5710_UNII-3	-9.53	0.26	-9.27	≤30.00	-5.89	---	PASS
		5755	-5.47	0.26	-5.21	≤30.00	-1.83	---	PASS
		5795	-6.14	0.26	-5.88	≤30.00	-2.50	---	PASS
ac80	Ant1	5210	-8.4	0.63	-7.77	≤11.00	-4.39	≤10.00	PASS
		5290	-9.14	0.63	-8.51	≤11.00	-5.13	---	PASS
		5530	-8.99	0.63	-8.36	≤11.00	-4.98	---	PASS
		5610	-6.76	0.63	-6.13	≤11.00	-2.75	---	PASS
		5690_UNII-2C	-5.83	0.63	-5.20	≤11.00	-1.82	---	PASS
		5690_UNII-3	-13.86	0.63	-13.23	≤30.00	-9.85	---	PASS
		5775	-9.32	0.63	-8.69	≤30.00	-5.31	---	PASS



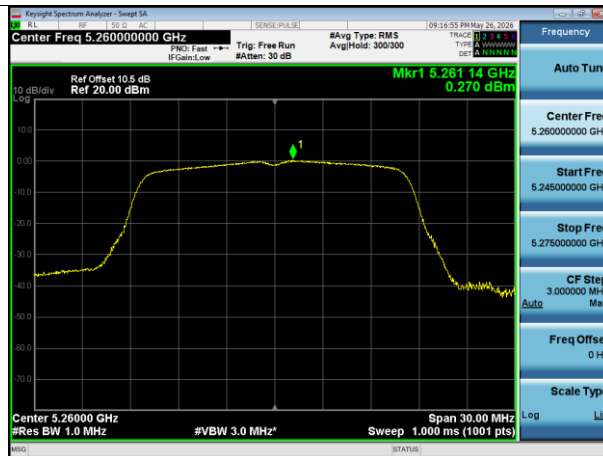
PSD NVNT a 5180MHz Ant1



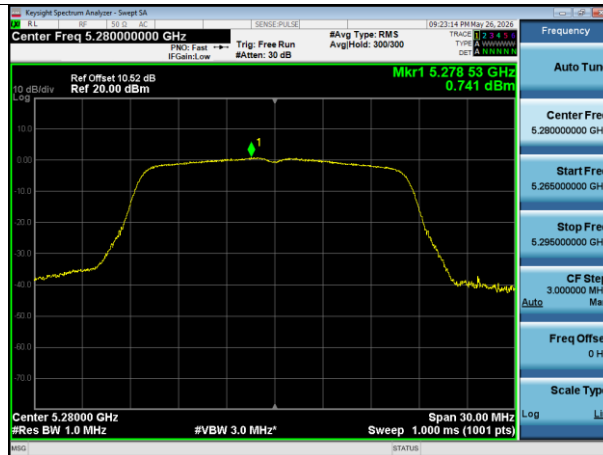
PSD NVNT a 5200MHz Ant1



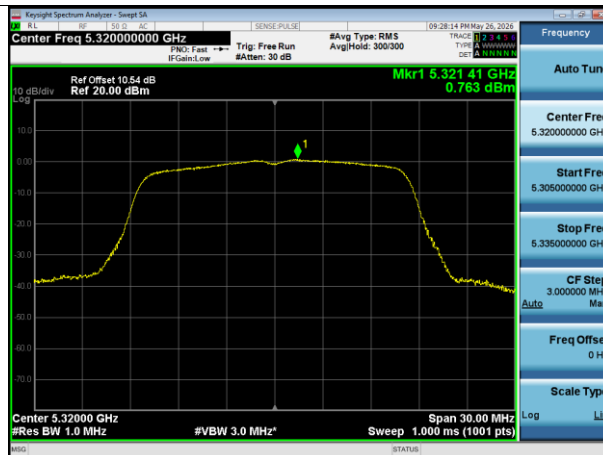
PSD NVNT a 5240MHz Ant1



PSD NVNT a 5260MHz Ant1



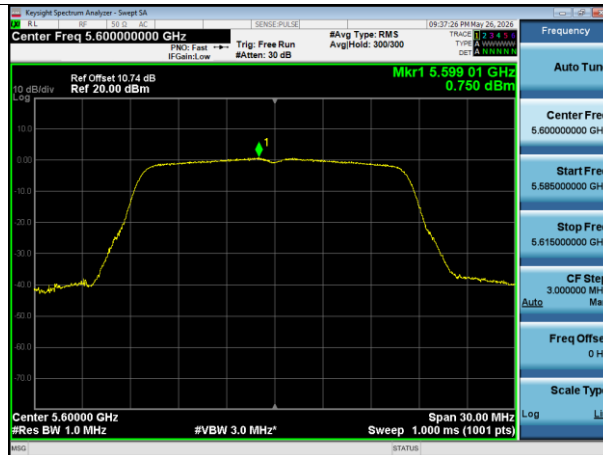
PSD NVNT a 5280MHz Ant1



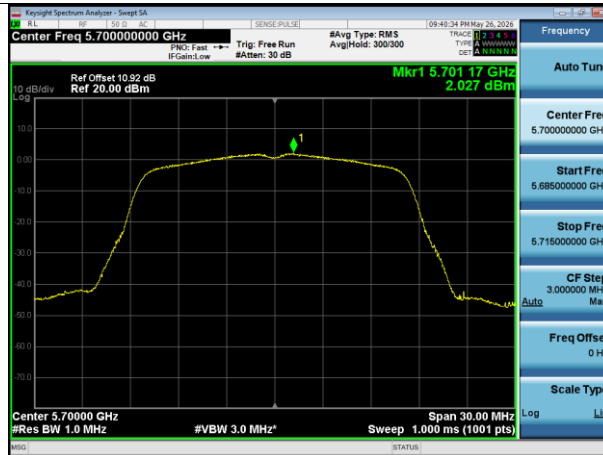
PSD NVNT a 5320MHz Ant1



PSD NVNT a 5500MHz Ant1



PSD NVNT a 5600MHz Ant1



PSD NVNT a 5700MHz Ant1



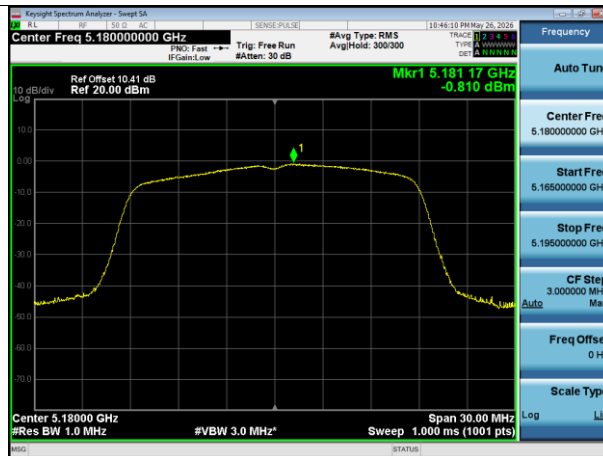
PSD NVNT a 5745MHz Ant1



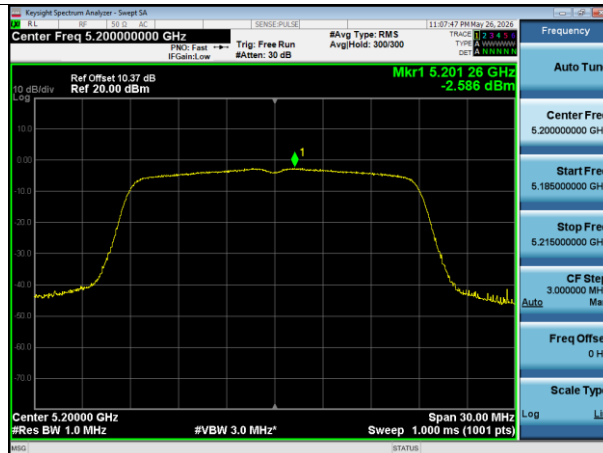
PSD NVNT a 5785MHz Ant1



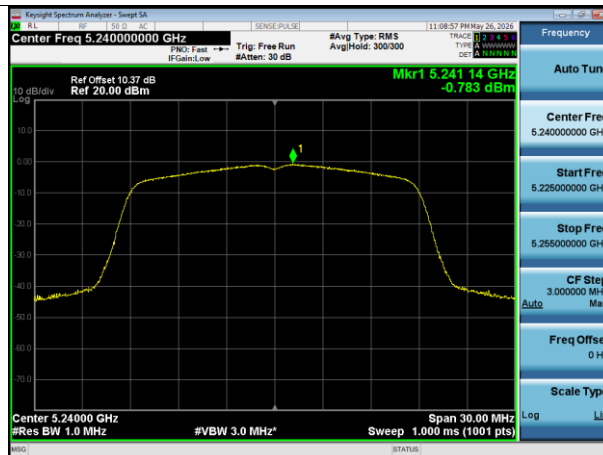
PSD NVNT a 5825MHz Ant1



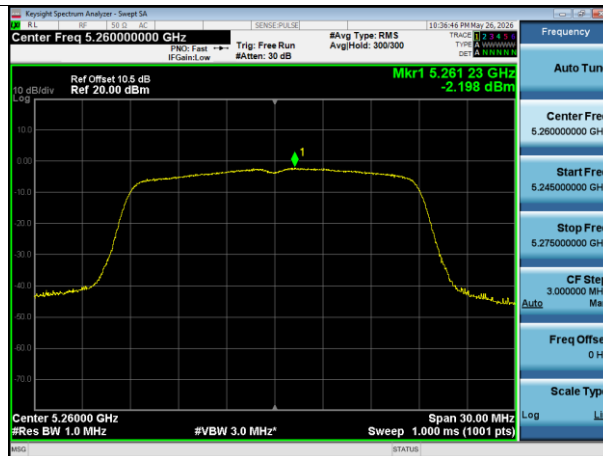
PSD NVNT n20 5180MHz Ant1



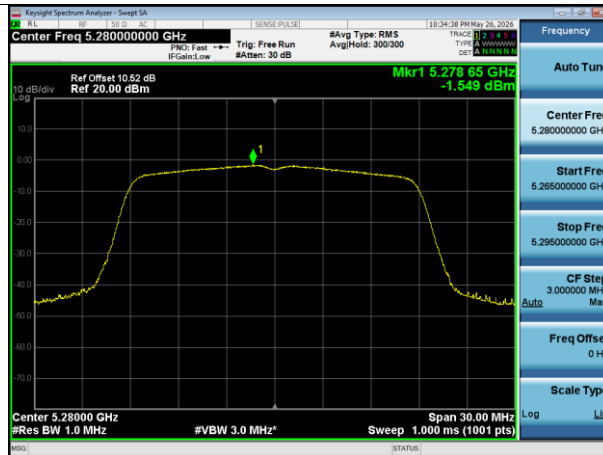
PSD NVNT n20 5200MHz Ant1



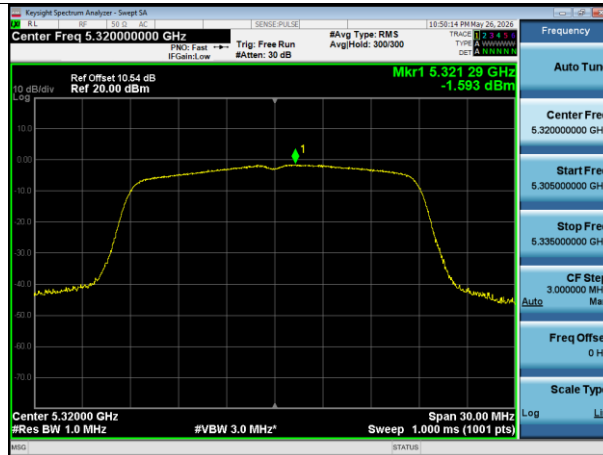
PSD NVNT n20 5240MHz Ant1



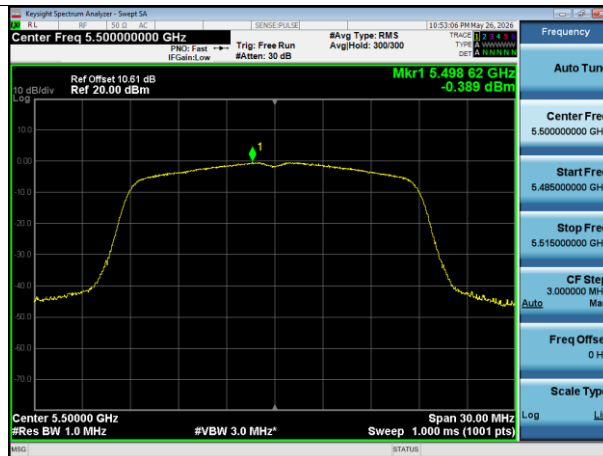
PSD NVNT n20 5260MHz Ant1



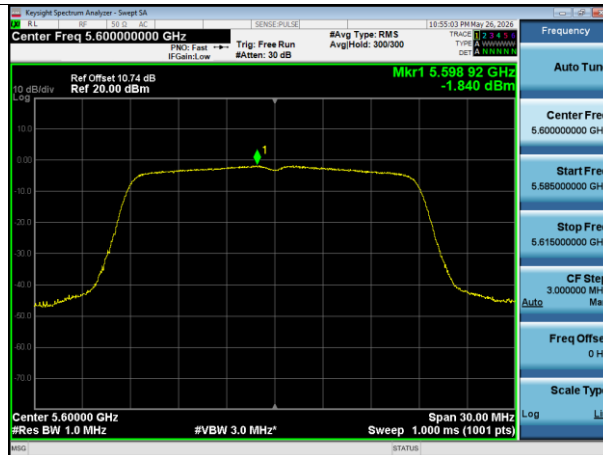
PSD NVNT n20 5280MHz Ant1



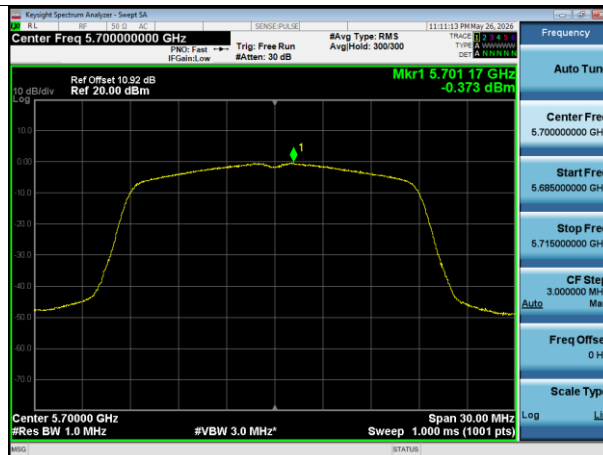
PSD NVNT n20 5320MHz Ant1



PSD NVNT n20 5500MHz Ant1



PSD NVNT n20 5600MHz Ant1



PSD NVNT n20 5700MHz Ant1



PSD NVNT n20 5745MHz Ant1



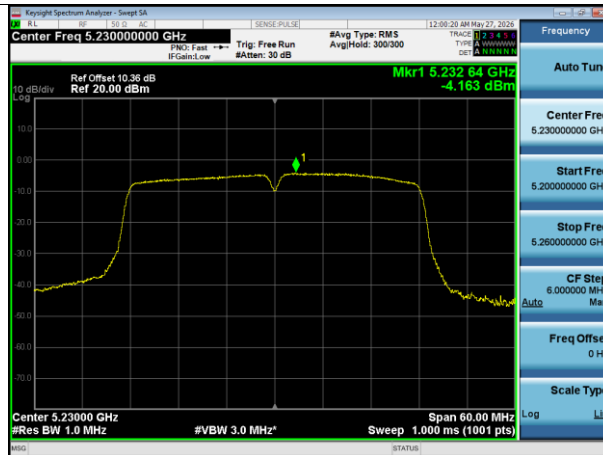
PSD NVNT n20 5785MHz Ant1



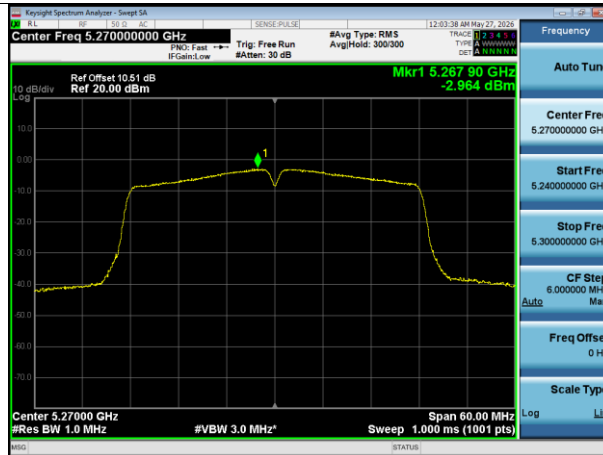
PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5190MHz Ant1



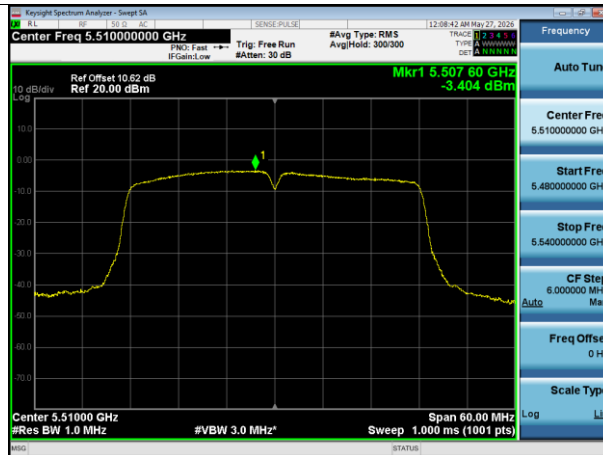
PSD NVNT n40 5230MHz Ant1



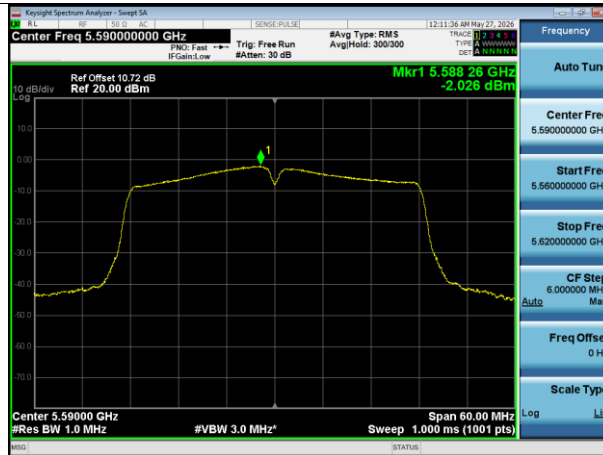
PSD NVNT n40 5270MHz Ant1



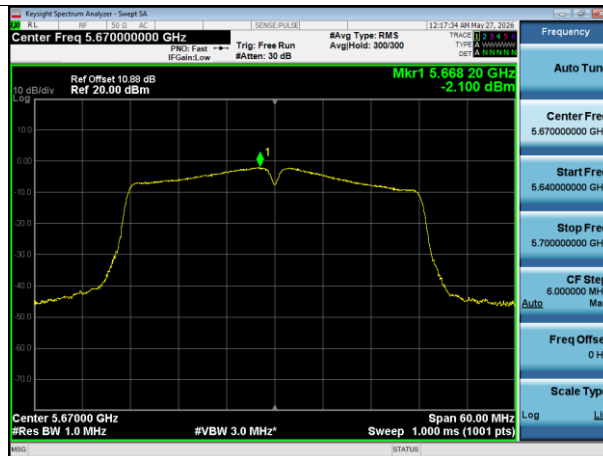
PSD NVNT n40 5310MHz Ant1



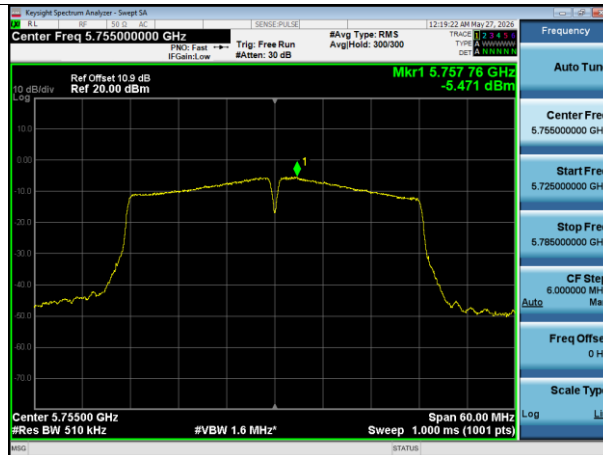
PSD NVNT n40 5510MHz Ant1



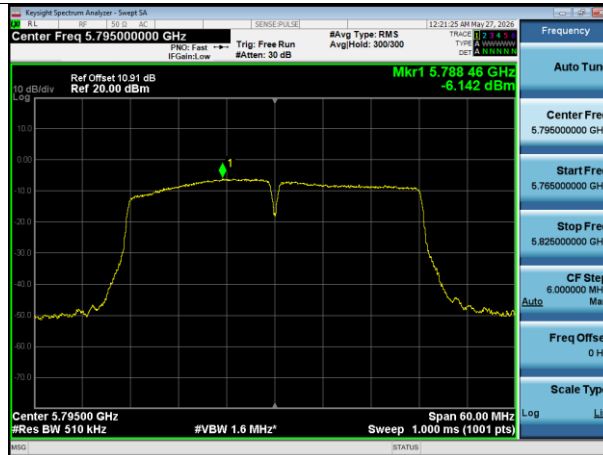
PSD NVNT n40 5590MHz Ant1



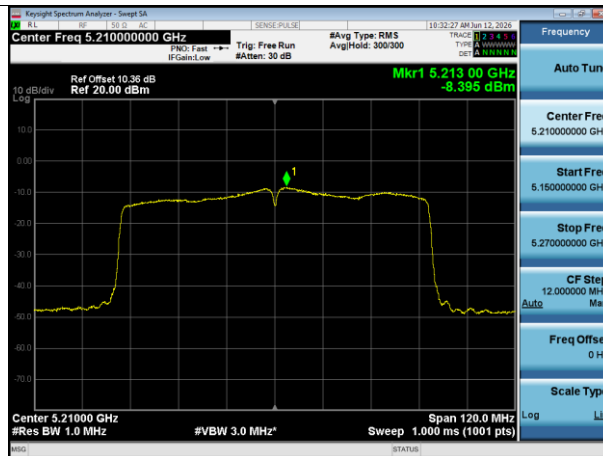
PSD NVNT n40 5670MHz Ant1



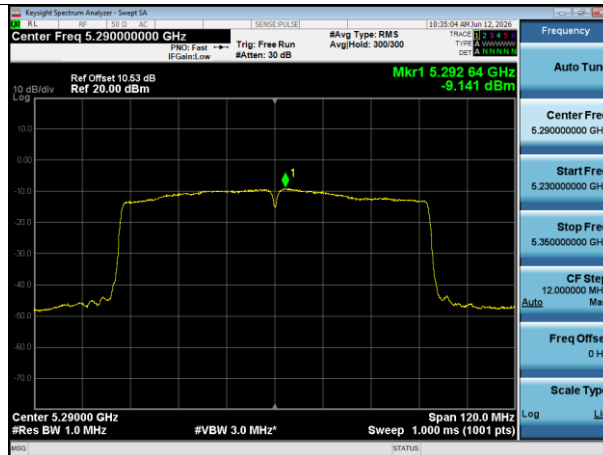
PSD NVNT n40 5755MHz Ant1



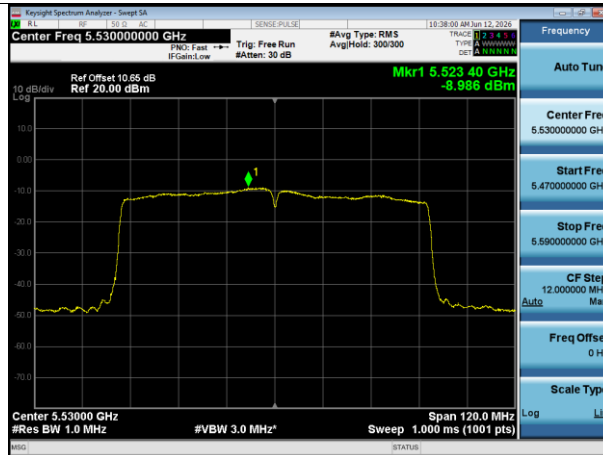
PSD NVNT n40 5795MHz Ant1



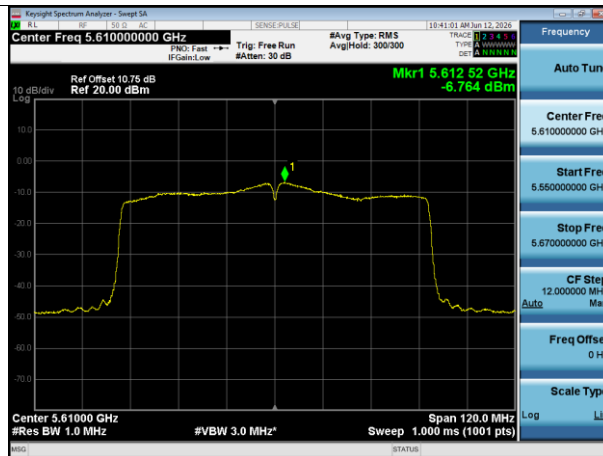
PSD NVNT ac80 5210MHz Ant1



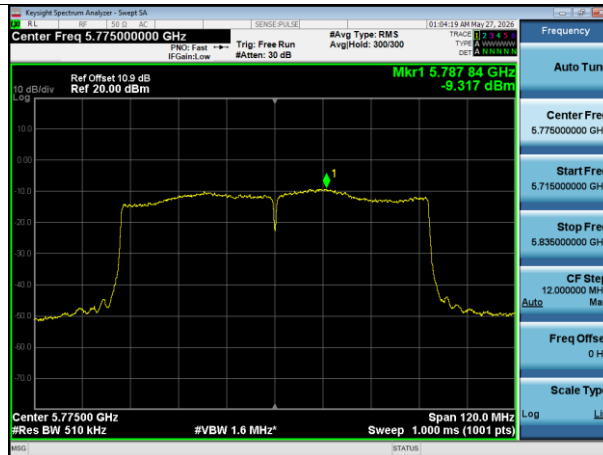
PSD NVNT ac80 5290MHz Ant1



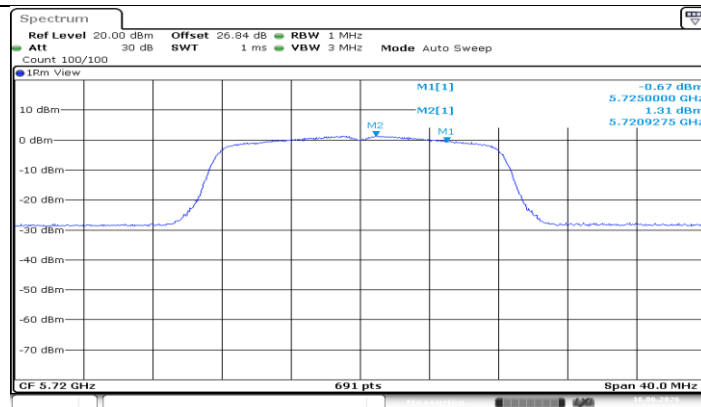
PSD NVNT ac80 5530MHz Ant1



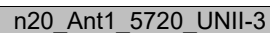
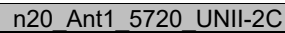
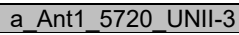
PSD NVNT ac80 5610MHz Ant1

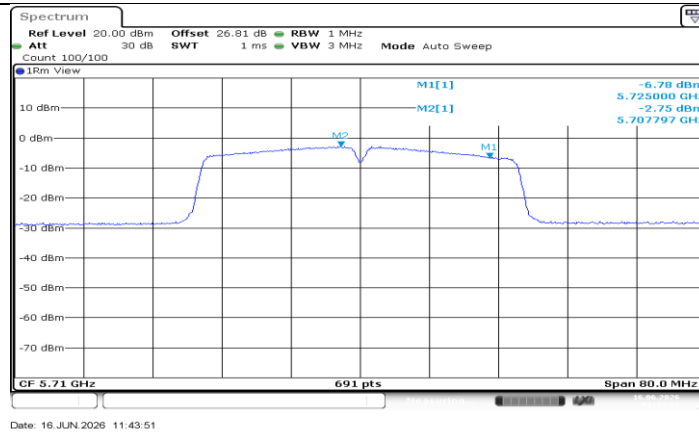


PSD NVNT ac80 5775MHz Ant1

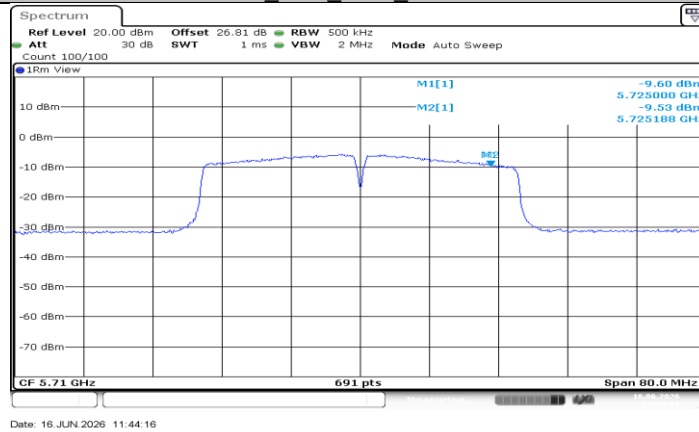


a Ant1 5720 UNII-2C

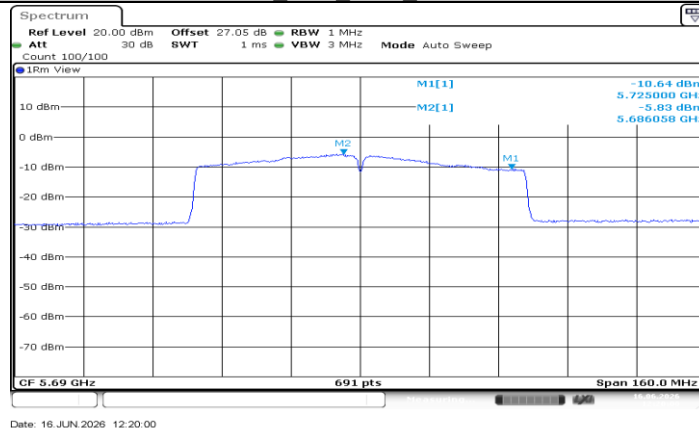




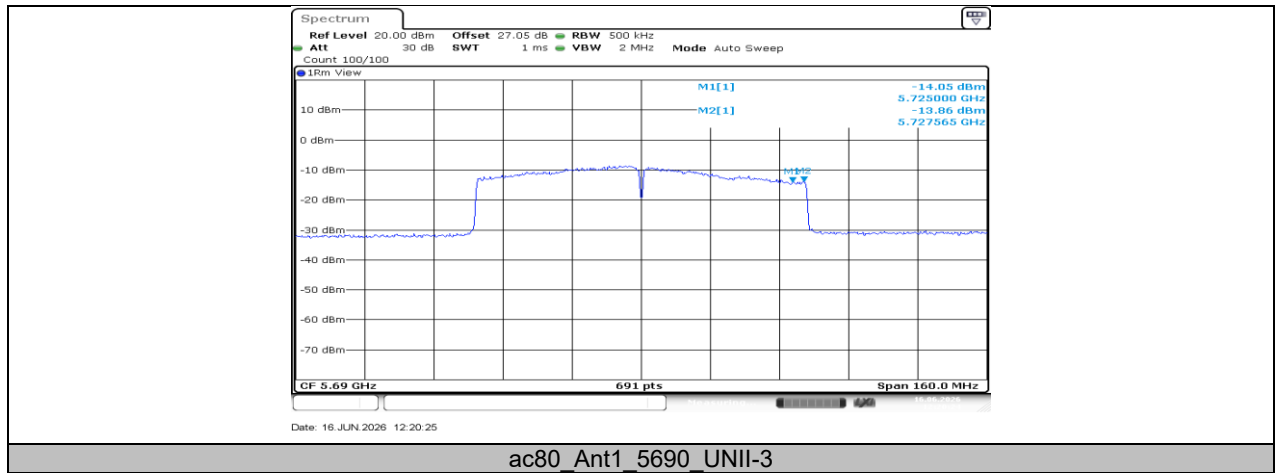
n40_Ant1_5710_UNII-2C



n40_Ant1_5710_UNII-3



ac80_Ant1_5690_UNII-2C



Appendix F: Frequency Stability

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5199.9950	-0.97	5199.9881	-2.28	5200.0187	3.60	5200.0135	2.60
TN	VN	5200.0023	0.44	5200.0169	3.25	5199.9756	-4.69	5200.0110	2.12
TN	VH	5199.9769	-4.44	5200.0237	4.56	5200.0008	0.16	5200.0079	1.51
Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
35	VN	5199.9935	-1.25	5200.0155	2.99	5200.0200	3.84	5200.0157	3.01
30	VN	5200.0058	1.11	5199.9784	-4.16	5199.9881	-2.30	5199.9990	-0.18
20	VN	5200.0200	3.84	5199.9780	-4.23	5200.0006	0.11	5200.0213	4.09
10	VN	5199.9766	-4.51	5200.0152	2.93	5200.0107	2.05	5199.9801	-3.83
0	VN	5200.0064	1.23	5199.9934	-1.27	5199.9934	-1.27	5199.9820	-3.46

Note:

1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

Appendix G: Duty Cycle

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
a	1.39	1.43	0.97	97.20	0.12	0.72	1
n20	1.30	1.35	0.96	96.30	0.16	0.77	1
n40	0.65	0.69	0.94	94.20	0.26	1.54	2
ac80	0.32	0.37	0.86	86.49	0.63	3.13	4

Note:

Duty Cycle Correction Factor=10log (1/x).

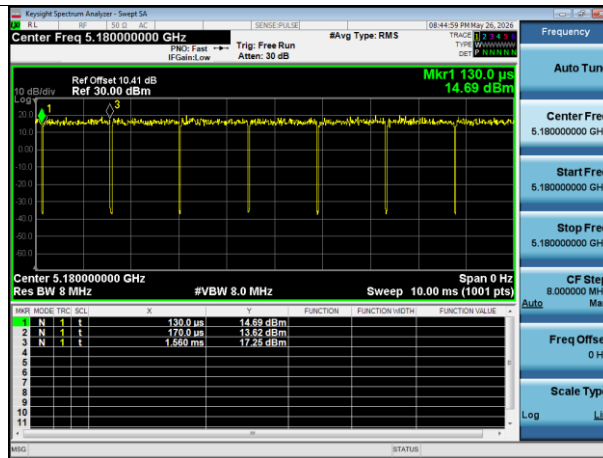
Where: x is Duty Cycle (Linear)

Where: T is On Time

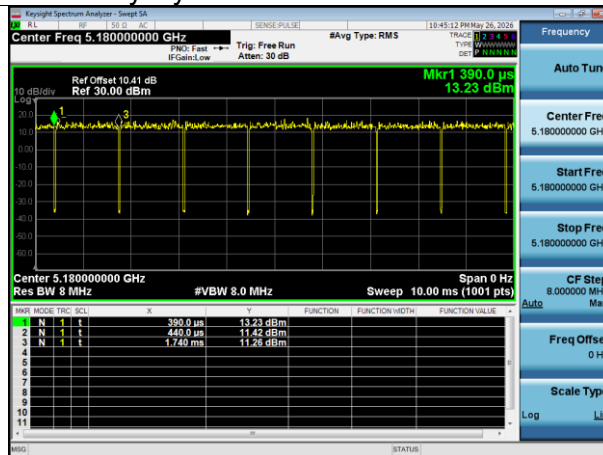
On Time = Mark 3 - Mark 2

Period = Mark 3 - Mark 1

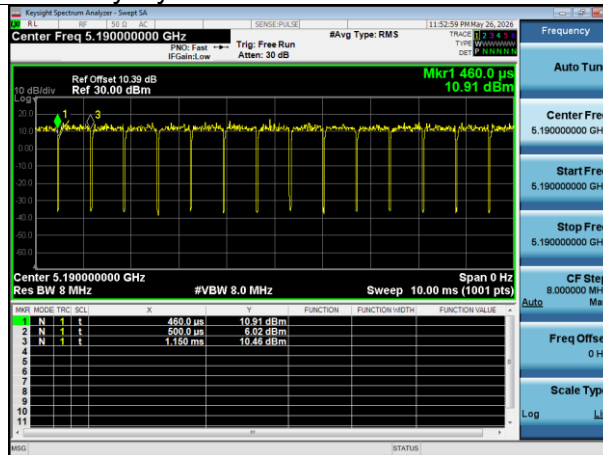
If that calculated VBW is not available on the analyzer then the next higher value should be used.



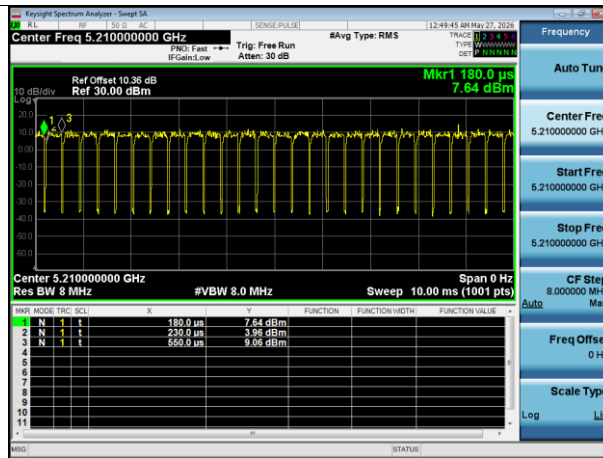
Duty Cycle NVNT a 5180MHz Ant1



Duty Cycle NVNT n20 5180MHz Ant1



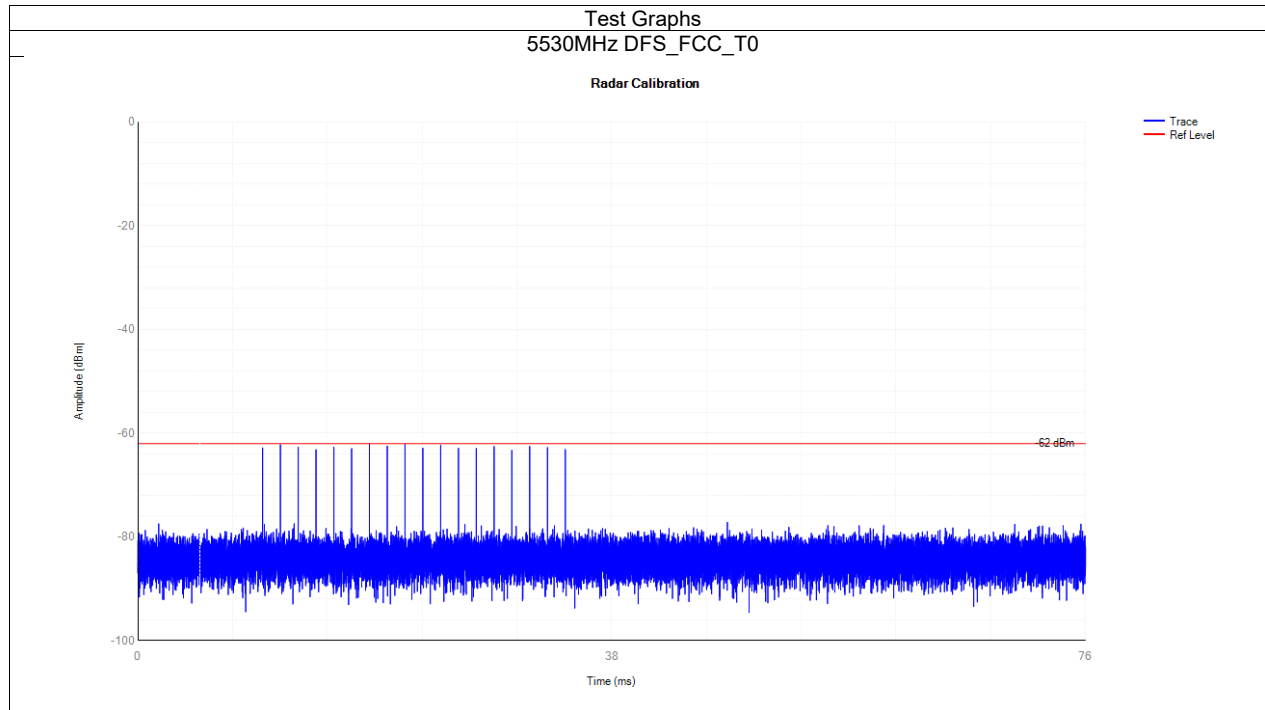
Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1

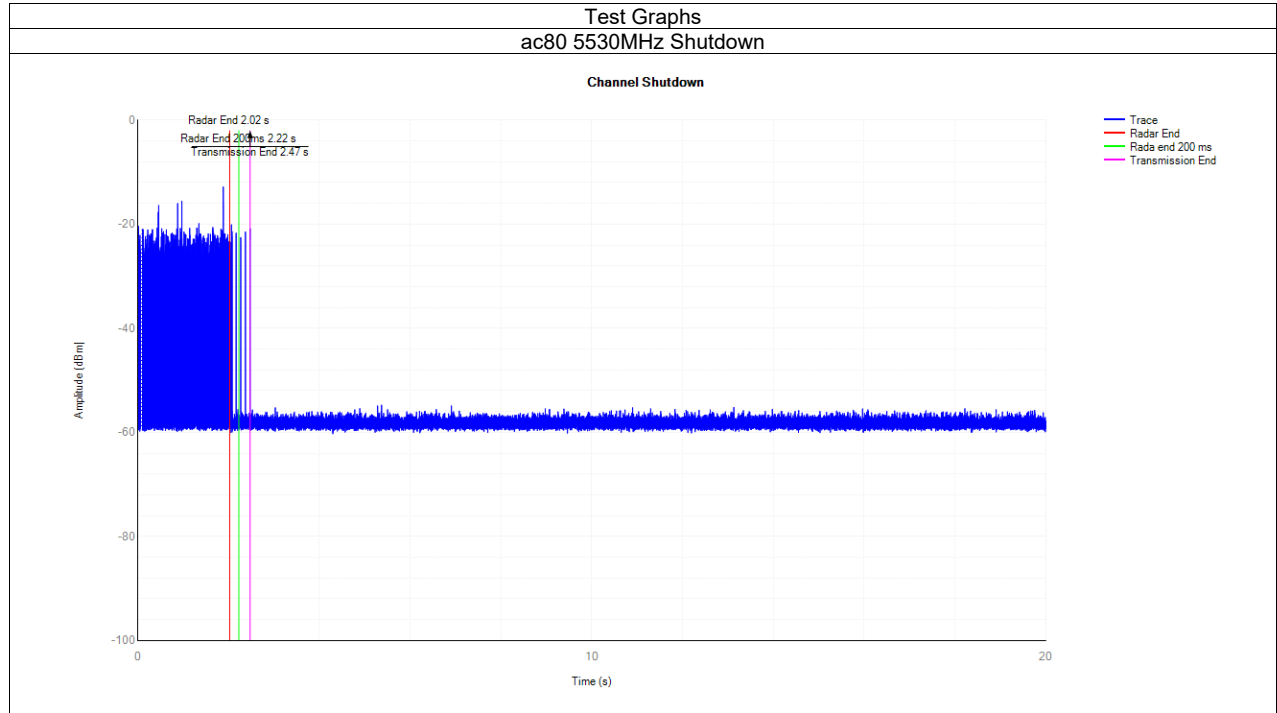
Appendix H: Calibration

Mode	Frequency (MHz)	Type	Result	Verdict
ac80	5530	DFS_FCC_T0	See test Graph	Pass



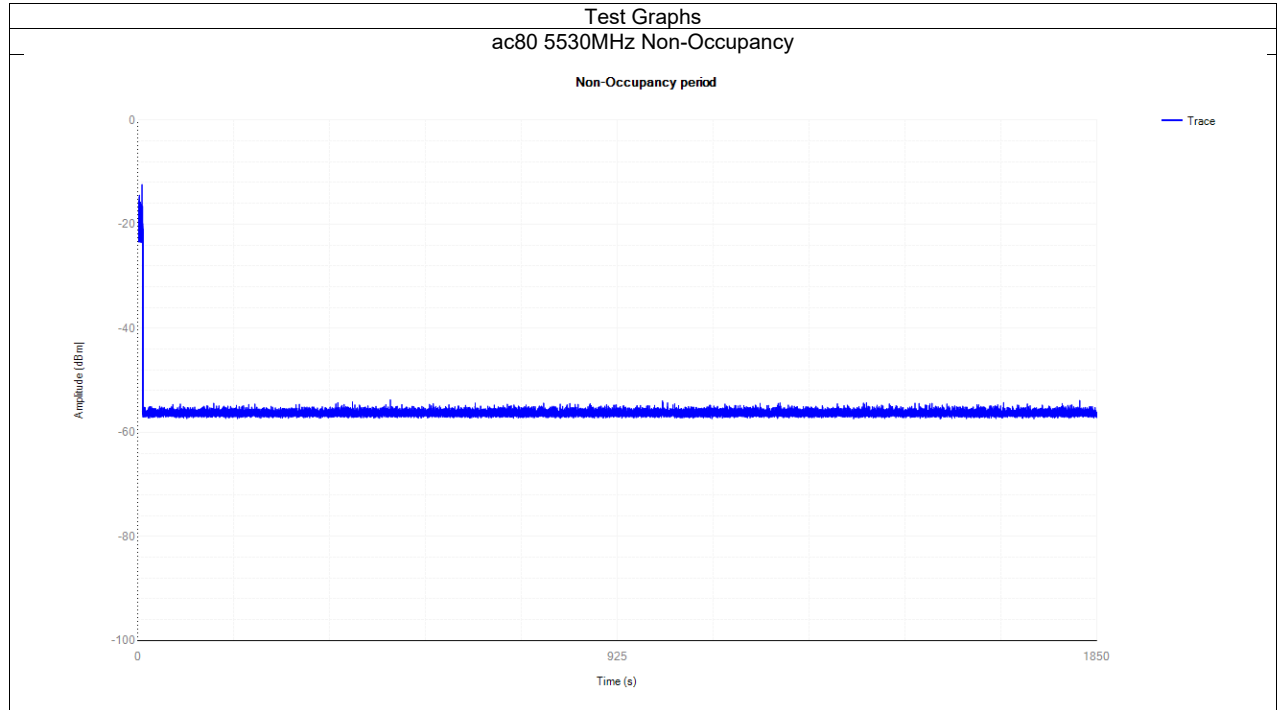
Appendix I: Shutdown Time

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
ac80	5530	0.448	10	0.015	0.26	0.004	0.06	Pass



Appendix J: Non-Occupancy

Mode	Frequency (MHz)	Result	Verdict
ac80	5530	See test Graph	Pass



Note: The radar signal was injected 10 seconds after the start of the test.

END OF REPORT