

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5580MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5580.0102	5580	0.0102	1.8280
		V max (V)	138.00	5580.0035	5580	0.0035	0.6272
		V min (V)	102.00	5580.0010	5580	0.0010	0.1792
Limits				5500-5700 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5580MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	3.3	T (°C)	-20	5580.01190	5580	0.01190	2.1326
		T (°C)	-10	5580.00390	5580	0.00390	0.6989
		T (°C)	0	5580.01240	5580	0.01240	2.2222
		T (°C)	10	5580.01060	5580	0.01060	1.8996
		T (°C)	20	5580.00640	5580	0.00640	1.1470
		T (°C)	30	5580.00350	5580	0.00350	0.6272
		T (°C)	40	5580.00830	5580	0.00830	1.4875
		T (°C)	50	5580.00530	5580	0.00530	0.9498
		T (°C)	60	5580.00670	5580	0.00670	1.2007
		T (°C)	70	5580.00580	5580	0.00580	1.0394
Limits				5500-5700 MHz			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5700MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5700.0092	5700	0.0092	1.6140
		V max (V)	138.00	5700.0132	5700	0.0132	2.3158
		V min (V)	102.00	5700.0109	5700	0.0109	1.9123
Limits				5500-5700 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5700MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	3.3	T (°C)	-20	5700.0127	5700	0.0127	2.2281
		T (°C)	-10	5700.0044	5700	0.0044	0.7719
		T (°C)	0	5700.0004	5700	0.0004	0.0702
		T (°C)	10	5700.0104	5700	0.0104	1.8246
		T (°C)	20	5700.0097	5700	0.0097	1.7018
		T (°C)	30	5700.0048	5700	0.0048	0.8421
		T (°C)	40	5700.0051	5700	0.0051	0.8947
		T (°C)	50	5700.0133	5700	0.0133	2.3333
		T (°C)	60	5700.0060	5700	0.0060	1.0526
		T (°C)	70	5700.0009	5700	0.0009	0.1579
Limits				5500-5700 MHz			
Result				Complies			

Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	TX (5.8G) Mode Frequency U-NII-3 (5745-5825MHz)		

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5745.0128	5745	0.0128	2.2280
		V max (V)	138.00	5745.0049	5745	0.0049	0.8529
		V min (V)	102.00	5745.0089	5745	0.0089	1.5492
Limits				5725-5850 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	3.3	T (°C)	-20	5745.0099	5745	0.0099	1.7232
		T (°C)	-10	5745.0117	5745	0.0117	2.0366
		T (°C)	0	5745.0102	5745	0.0102	1.7755
		T (°C)	10	5745.0092	5745	0.0092	1.6014
		T (°C)	20	5745.0082	5745	0.0082	1.4273
		T (°C)	30	5745.0067	5745	0.0067	1.1662
		T (°C)	40	5745.0047	5745	0.0047	0.8181
		T (°C)	50	5745.0122	5745	0.0122	2.1236
		T (°C)	60	5745.0031	5745	0.0031	0.5396
		T (°C)	70	5745.0090	5745	0.0090	1.5666
Limits				5725-5850 MHz			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5785.0065	5785	0.0065	1.1236
		V max (V)	138.00	5785.0067	5785	0.0067	1.1582
		V min (V)	102.00	5785.0066	5785	0.0066	1.1409
Limits				5725-5850 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	3.3	T (°C)	-20	5785.0105	5785	0.0105	1.8150
		T (°C)	-10	5785.0090	5785	0.0090	1.5557
		T (°C)	0	5785.0135	5785	0.0135	2.3336
		T (°C)	10	5785.0088	5785	0.0088	1.5212
		T (°C)	20	5785.0021	5785	0.0021	0.3630
		T (°C)	30	5785.0044	5785	0.0044	0.7606
		T (°C)	40	5785.0054	5785	0.0054	0.9334
		T (°C)	50	5785.0126	5785	0.0126	2.1780
		T (°C)	60	5785.0098	5785	0.0098	1.6940
		T (°C)	70	5785.0060	5785	0.0060	1.0372
Limits				5725-5850 MHz			
Result				Complies			

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Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5825.0120	5825	0.0120	2.0601
		V max (V)	138.00	5825.0049	5825	0.0049	0.8412
		V min (V)	102.00	5825.0104	5825	0.0104	1.7854
Limits				5725-5850 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	3.3	T (°C)	-20	5825.0062	5825	0.0062	1.0644
		T (°C)	-10	5825.0041	5825	0.0041	0.7039
		T (°C)	0	5825.0011	5825	0.0011	0.1888
		T (°C)	10	5825.0085	5825	0.0085	1.4592
		T (°C)	20	5825.0112	5825	0.0112	1.9227
		T (°C)	30	5825.0065	5825	0.0065	1.1159
		T (°C)	40	5825.0037	5825	0.0037	0.6352
		T (°C)	50	5825.0134	5825	0.0134	2.3004
		T (°C)	60	5825.0050	5825	0.0050	0.8584
		T (°C)	70	5825.0060	5825	0.0060	1.0300
Limits				5725-5850 MHz			
Result				Complies			

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14. Duty Cycle Of Test Signal

14.1 Standard Requirement

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle. All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

14.2 Formula

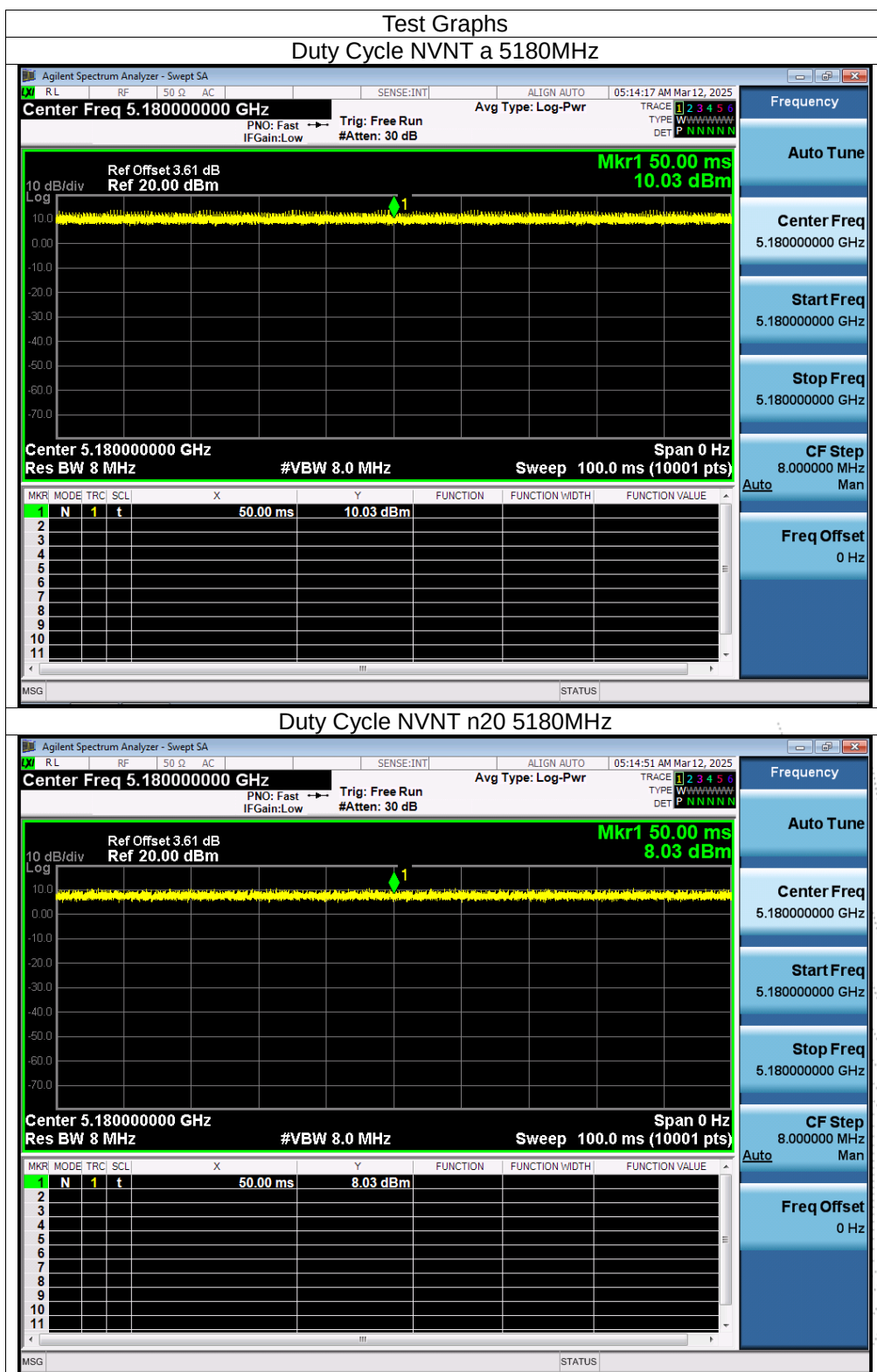
Duty Cycle = $T_{on} / (T_{on} + T_{off})$

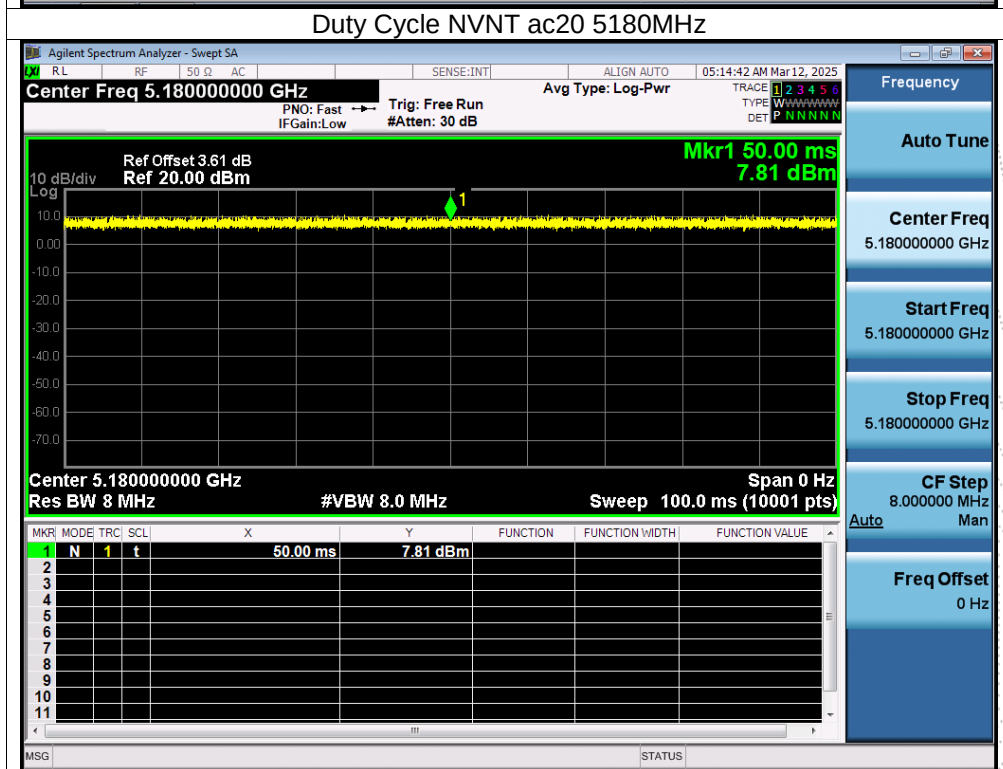
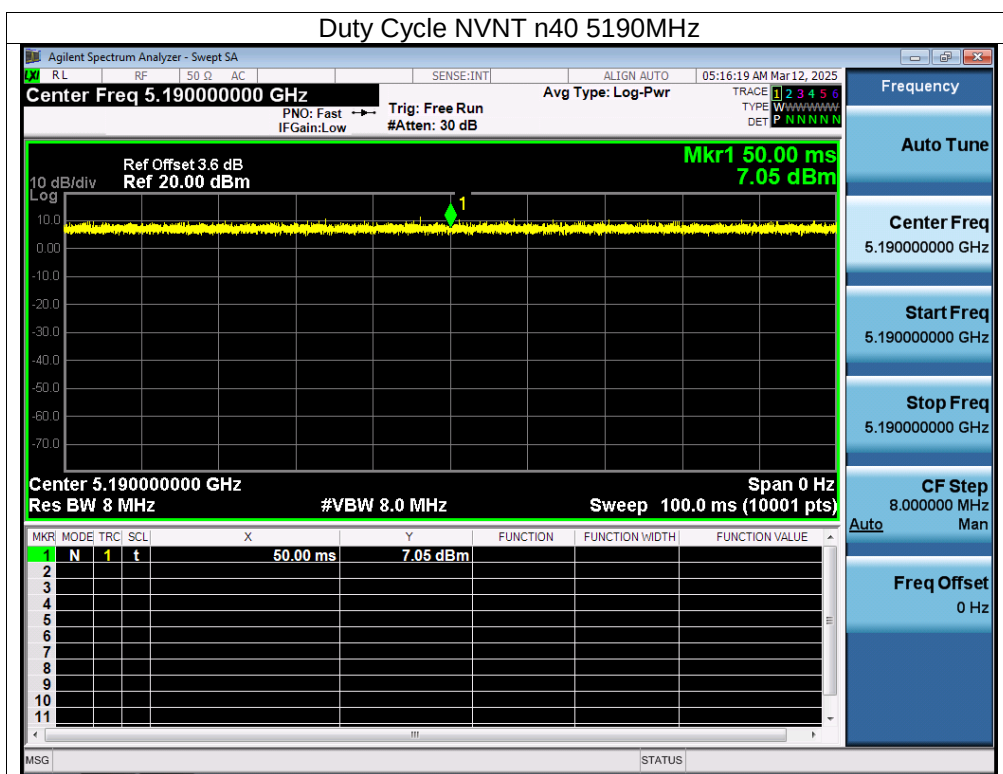
14.3 Test Procedure

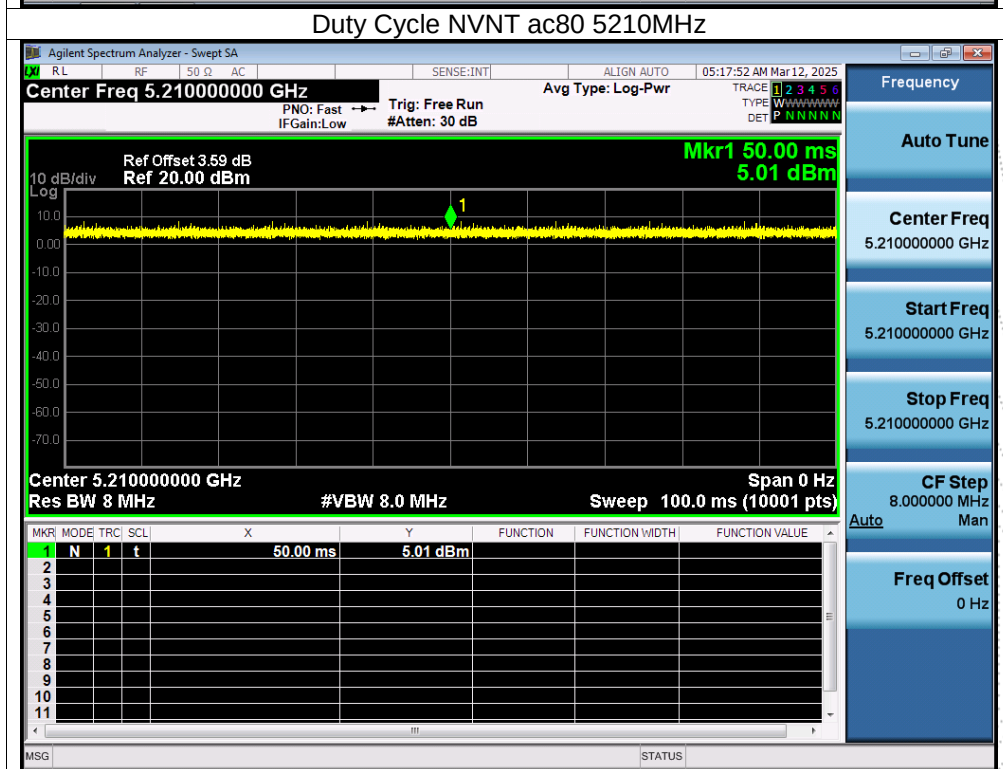
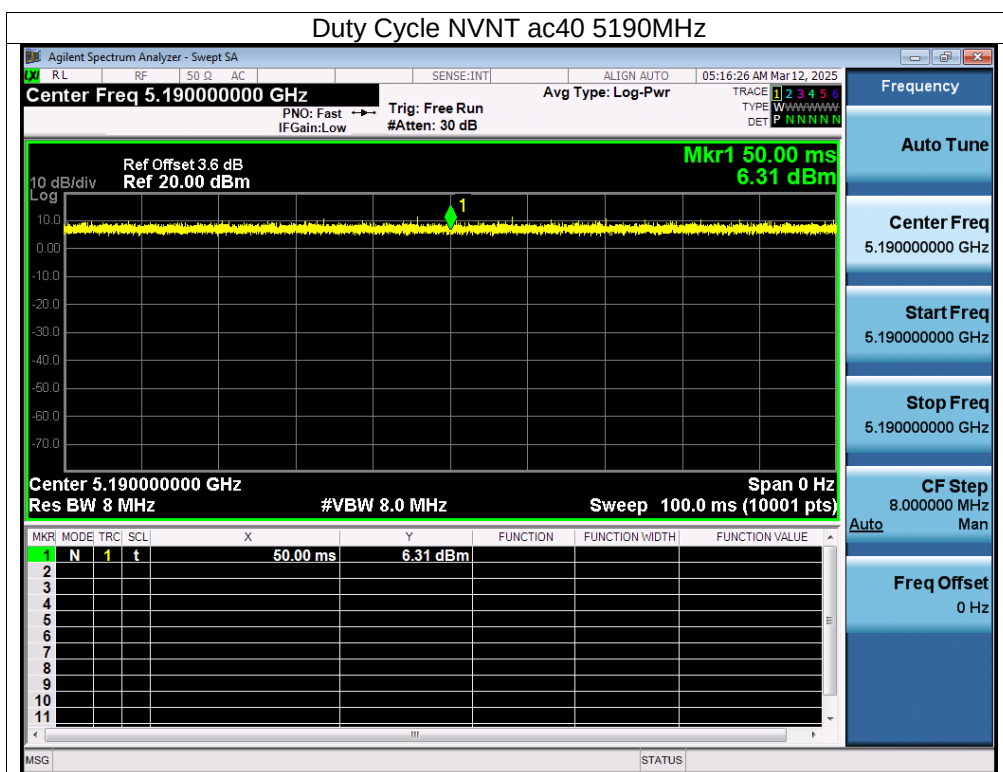
1. Set span = Zero
2. RBW = 8MHz
3. VBW = 8MHz,
4. Detector = Peak

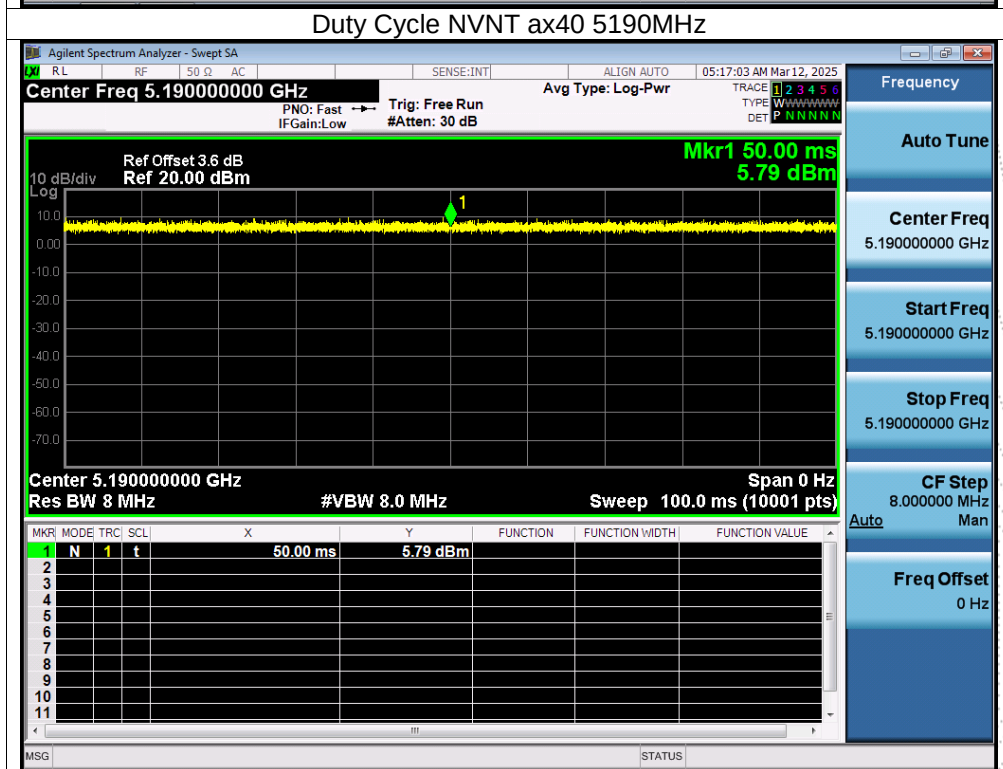
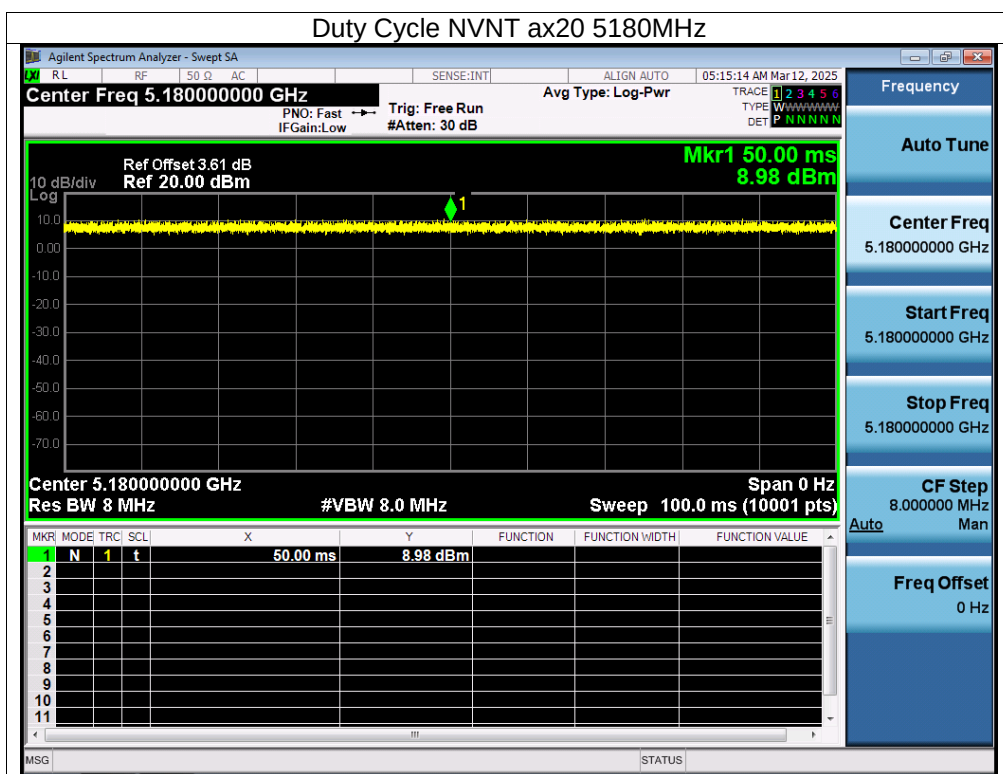
14.4 Test Result

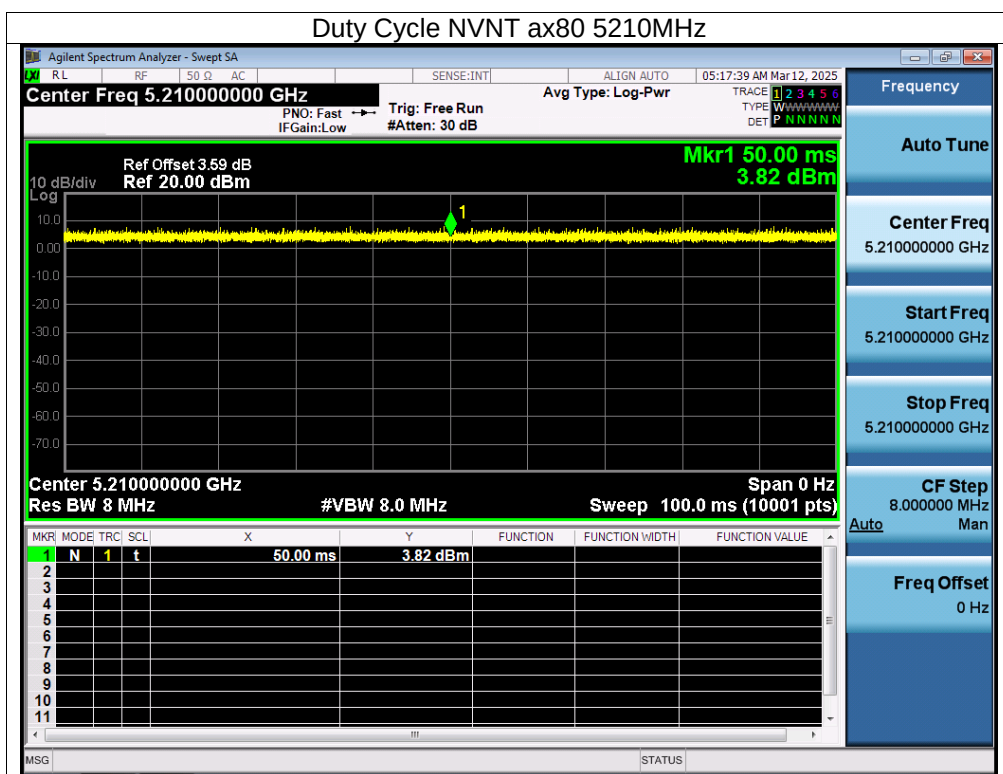
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	100	0	0
NVNT	n20	5180	100	0	0
NVNT	n40	5190	100	0	0
NVNT	ac20	5180	100	0	0
NVNT	ac40	5190	100	0	0
NVNT	ac80	5210	100	0	0
NVNT	ax20	5180	100	0	0
NVNT	ax40	5190	100	0	0
NVNT	ax80	5210	100	0	0





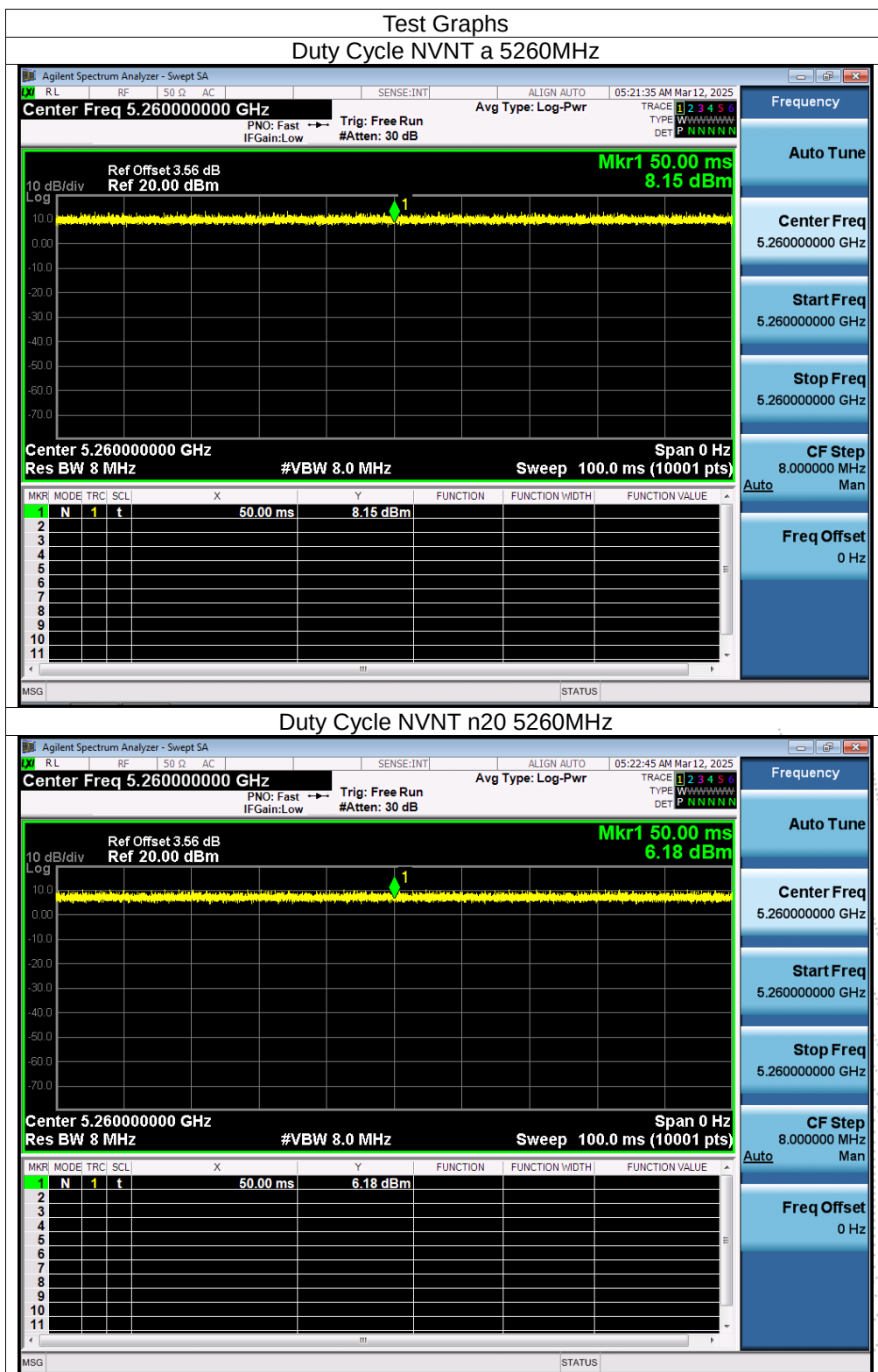


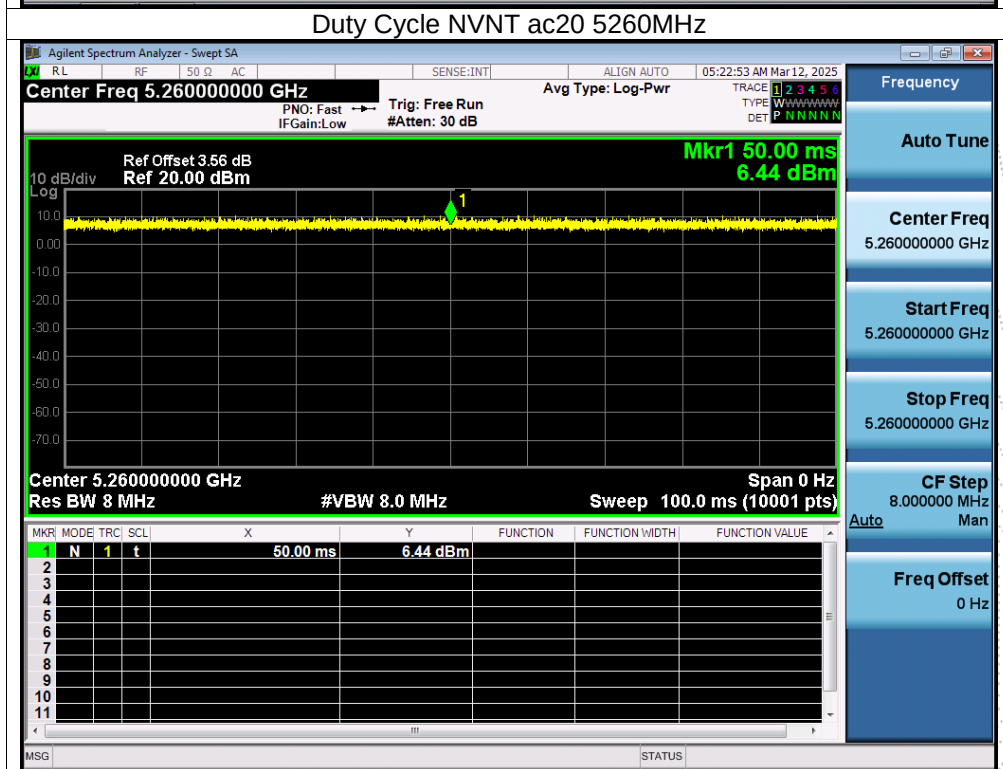
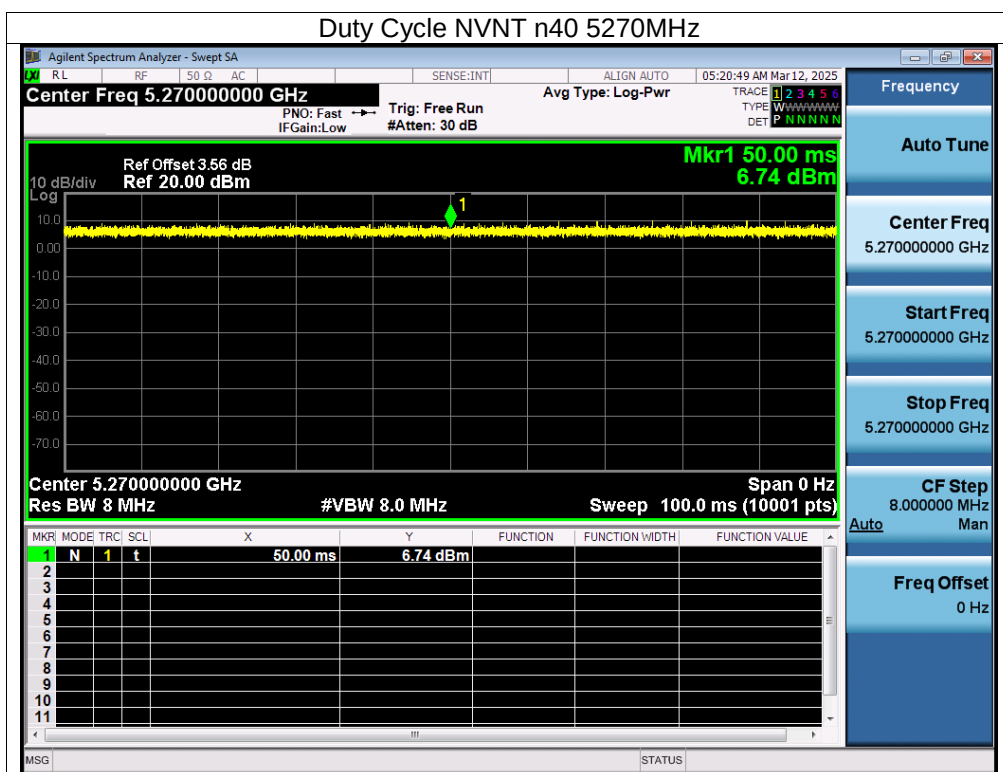


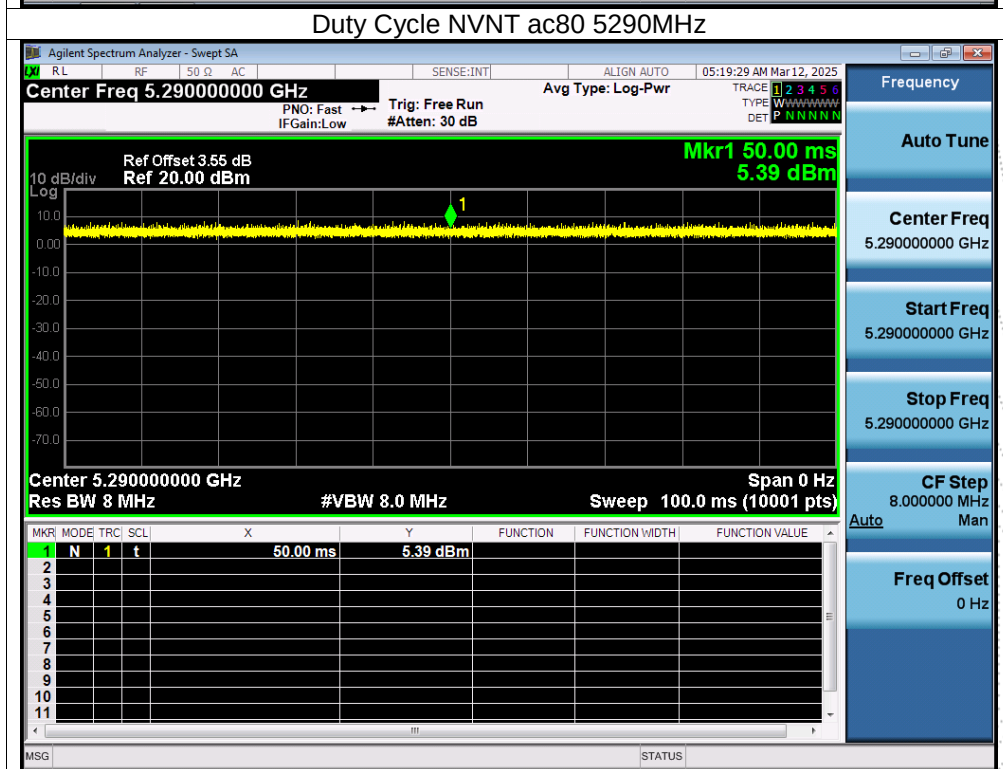
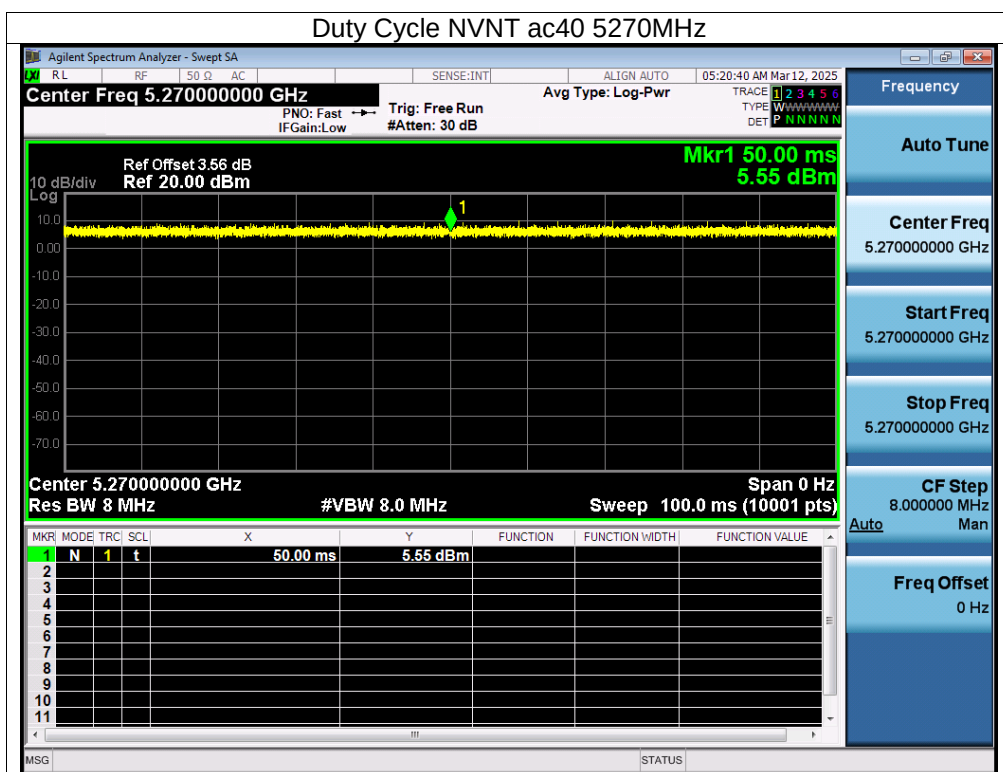


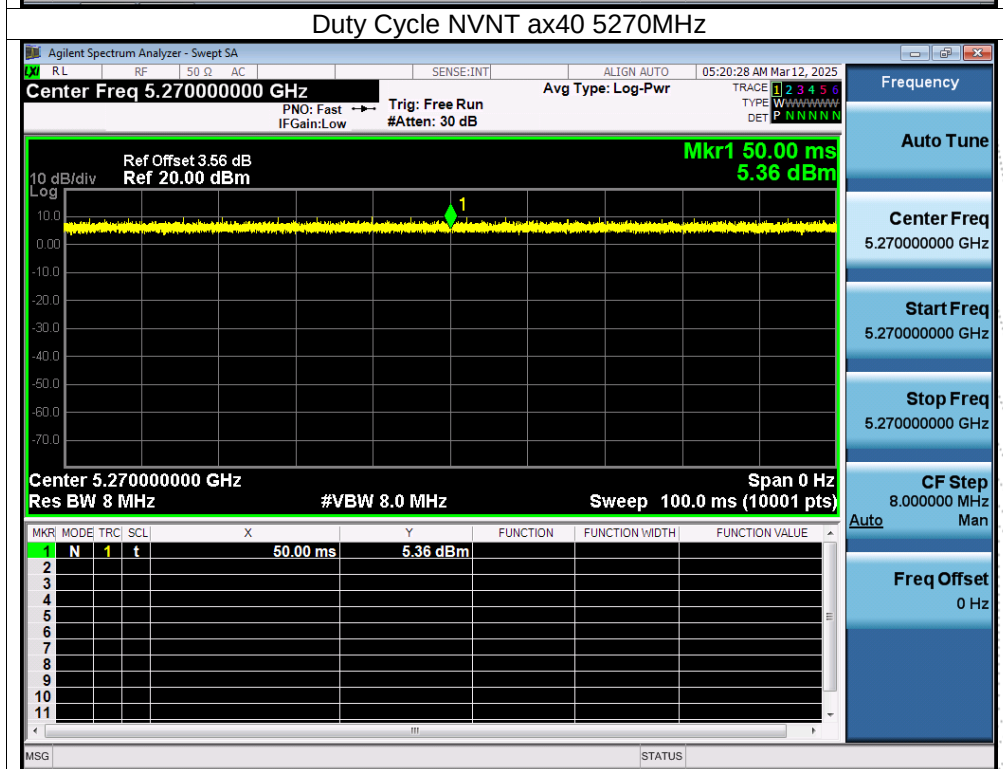
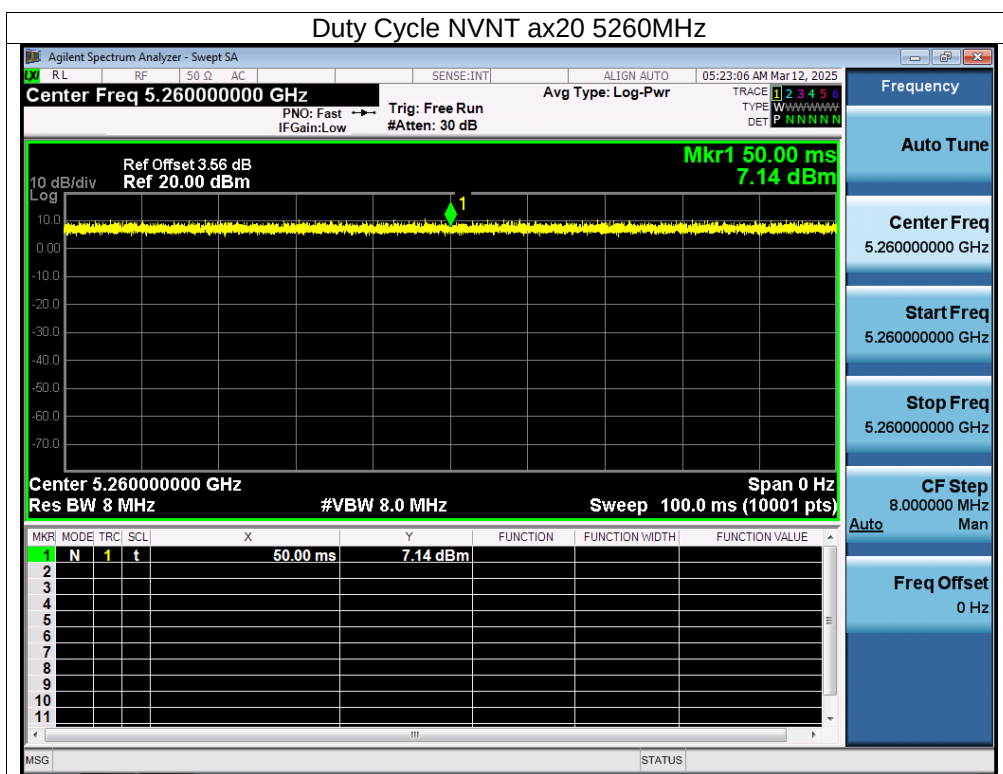
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	100	0	0
NVNT	n20	5260	100	0	0
NVNT	n40	5270	100	0	0
NVNT	ac20	5260	100	0	0
NVNT	ac40	5270	100	0	0
NVNT	ac80	5290	100	0	0
NVNT	ax20	5260	100	0	0
NVNT	ax40	5270	100	0	0
NVNT	ax80	5290	100	0	0

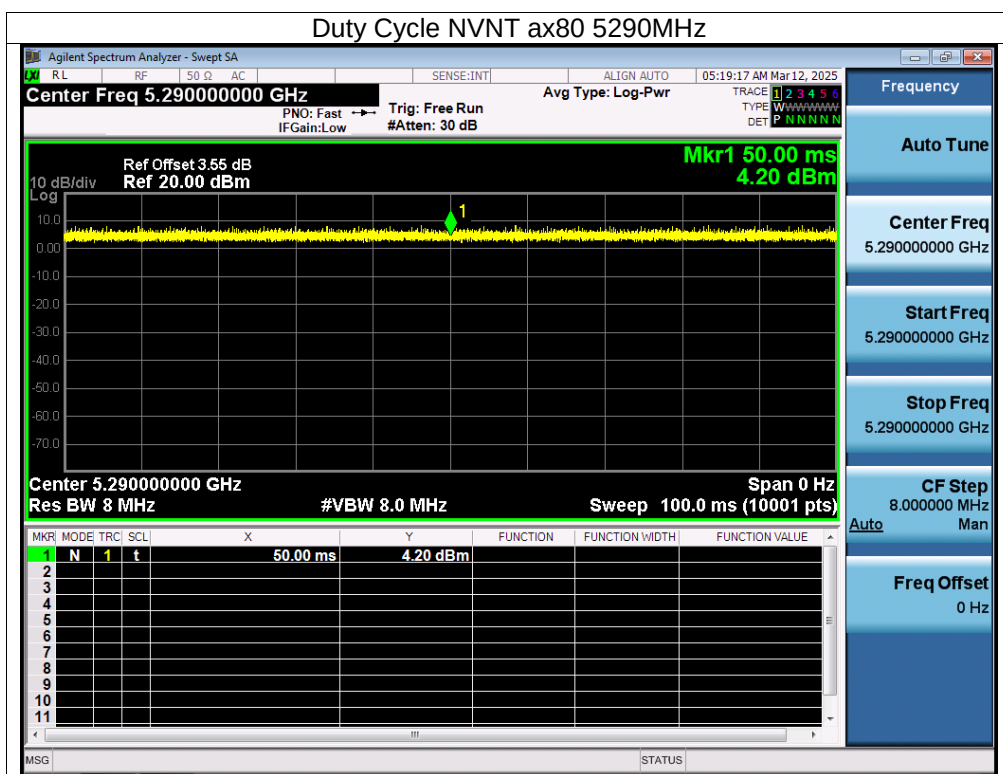
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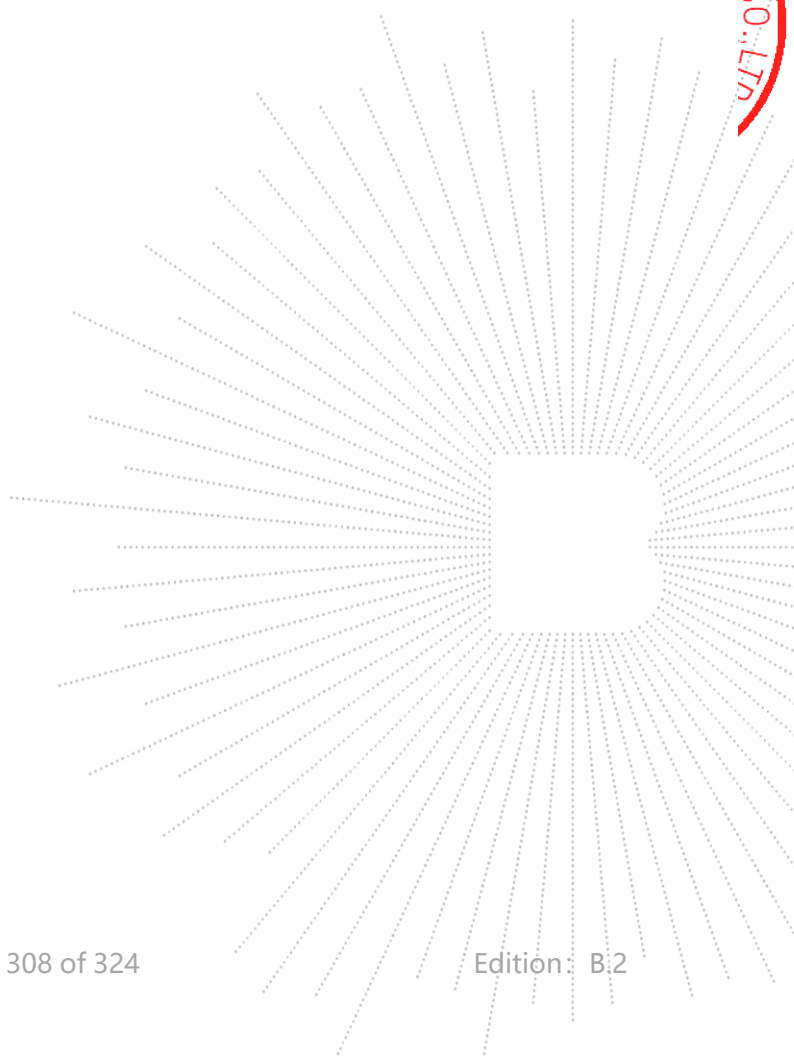


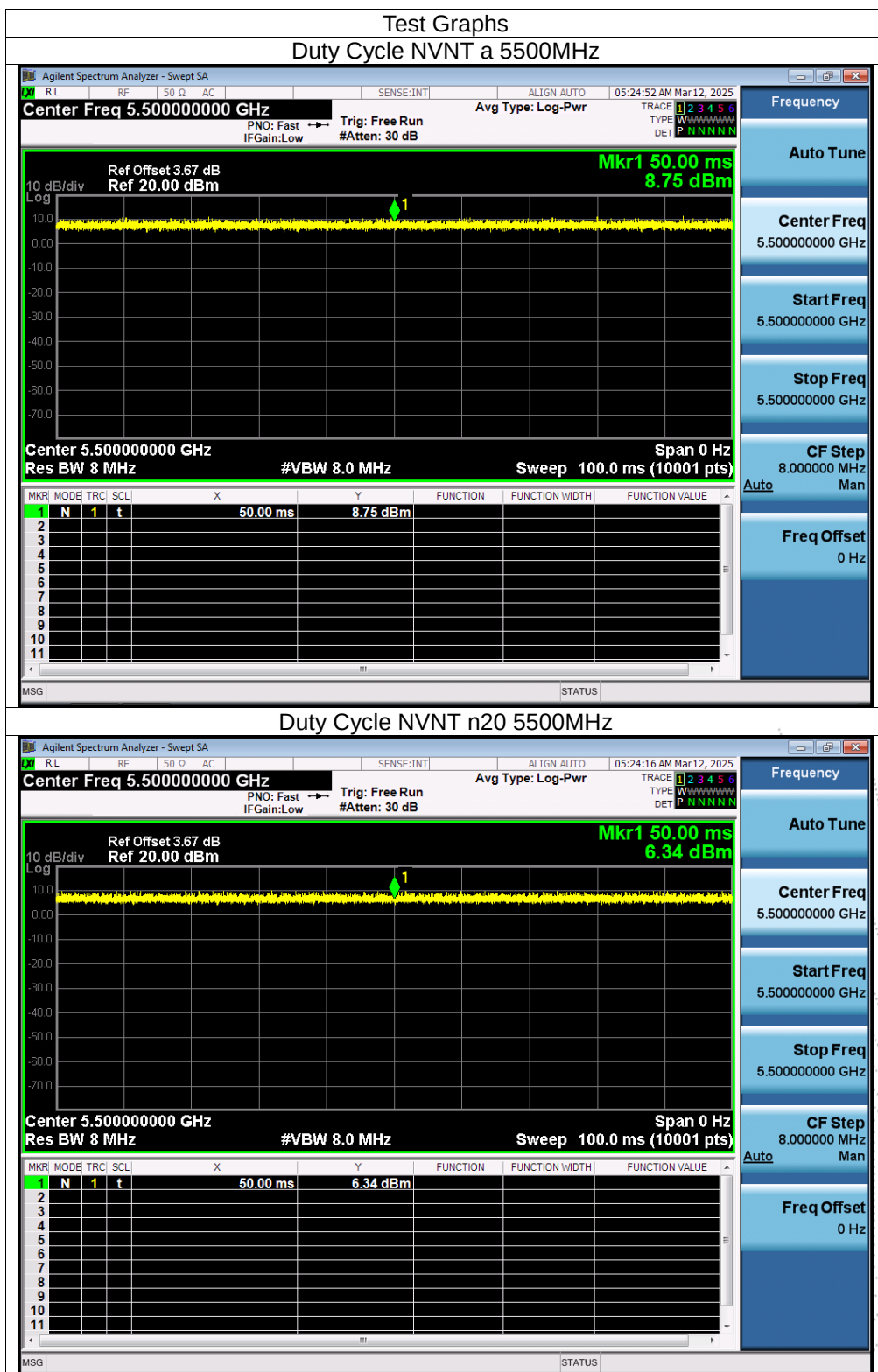


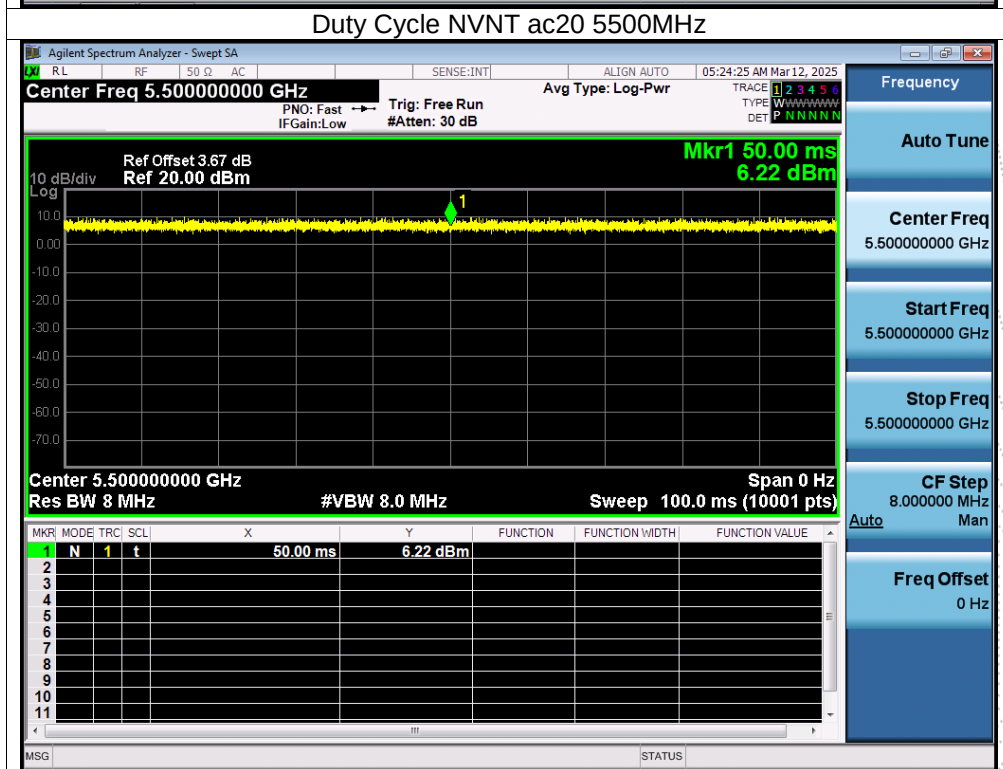
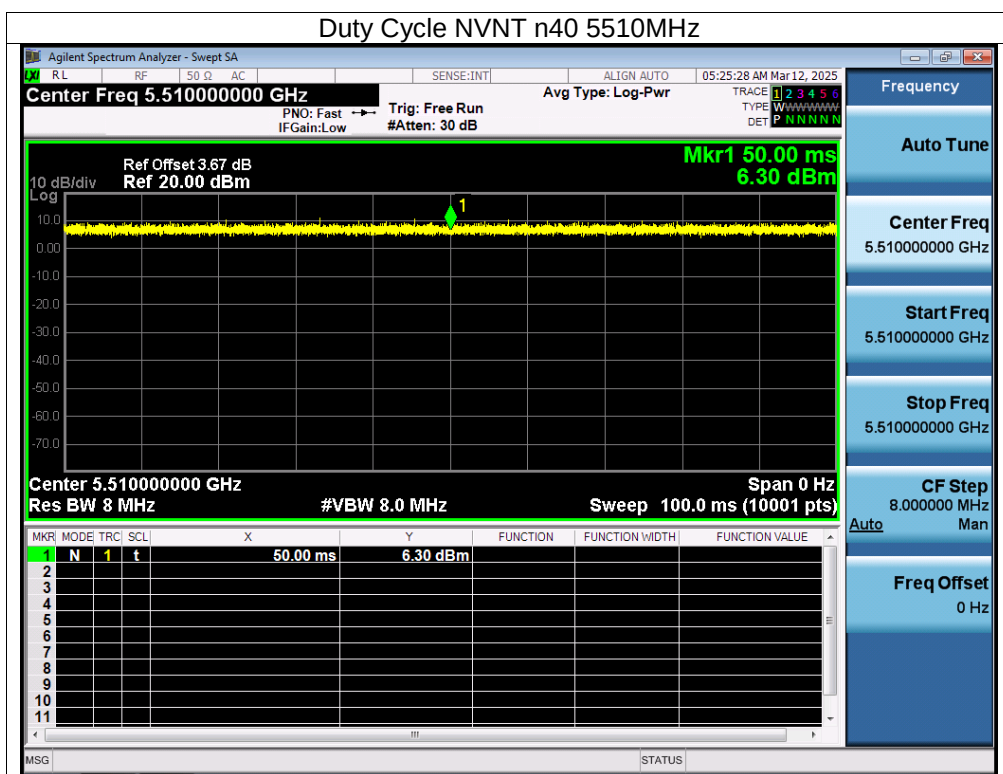


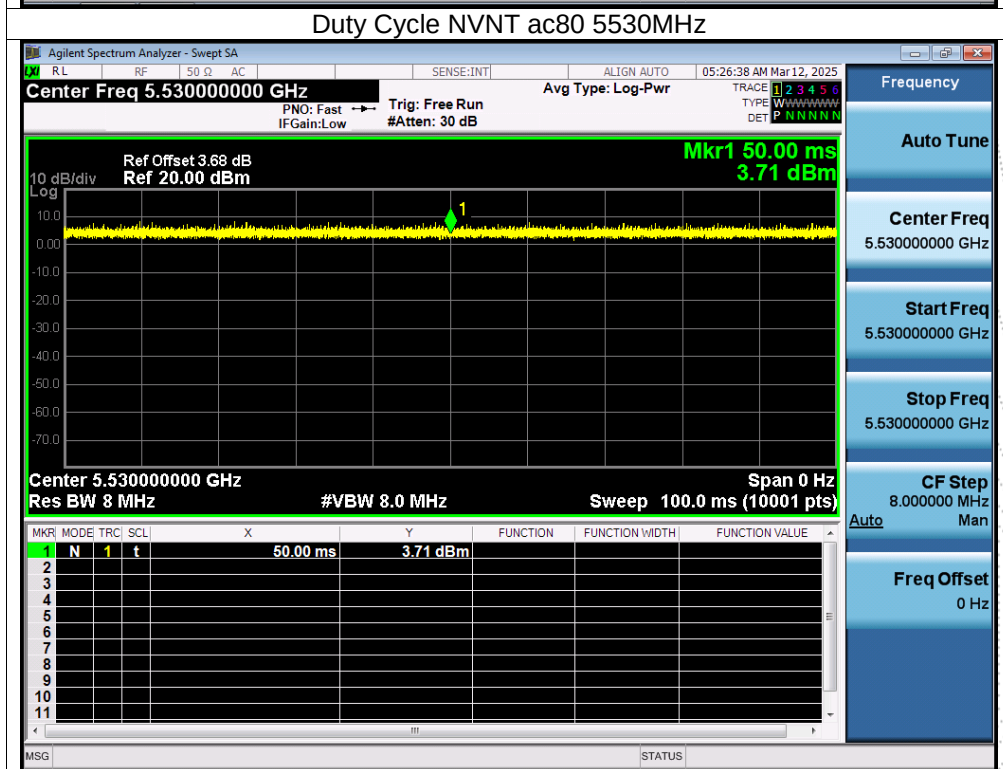
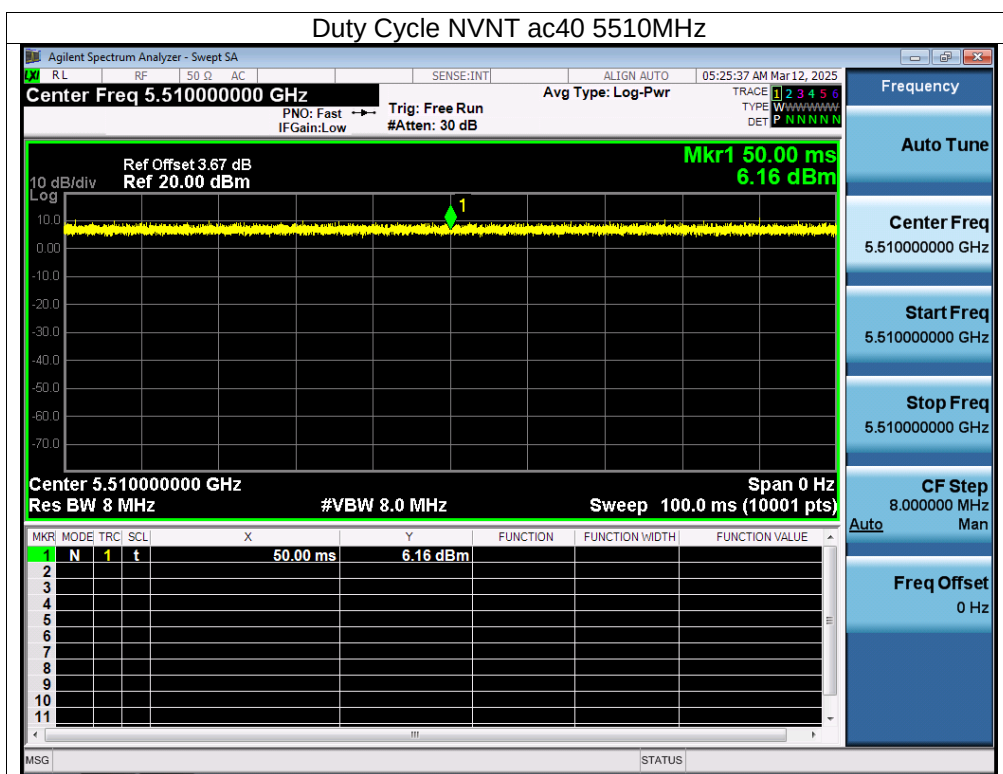
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	100	0	0
NVNT	n20	5500	100	0	0
NVNT	n40	5510	100	0	0
NVNT	ac20	5500	100	0	0
NVNT	ac40	5510	100	0	0
NVNT	ac80	5530	100	0	0
NVNT	ax20	5500	100	0	0
NVNT	ax40	5510	100	0	0
NVNT	ax80	5530	100	0	0

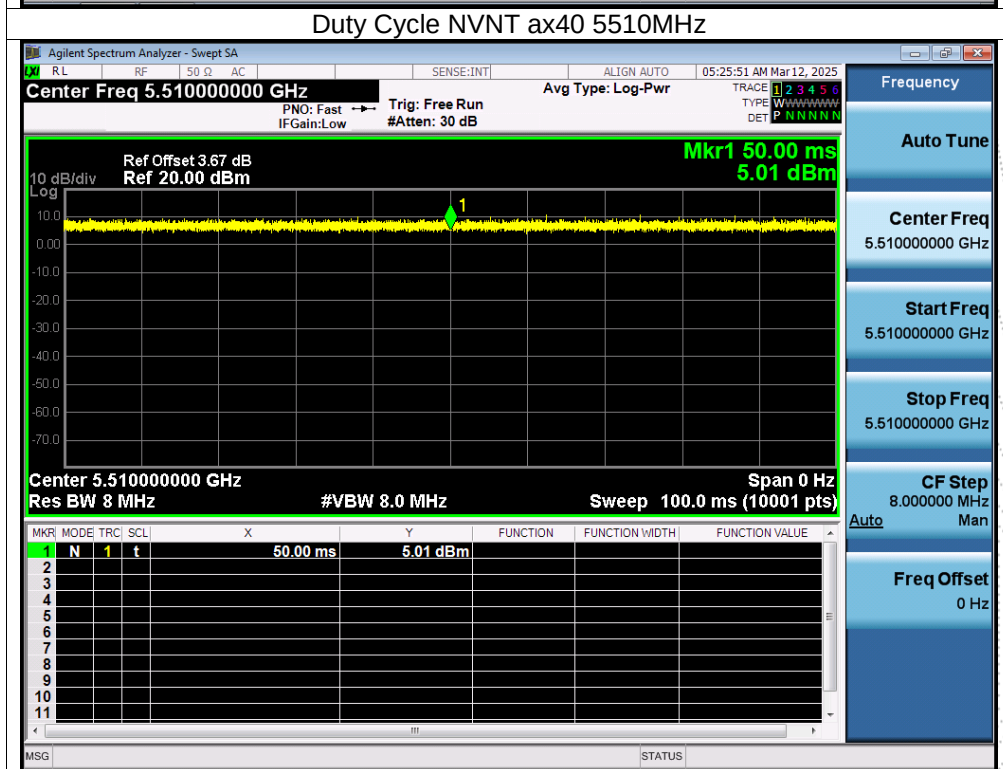
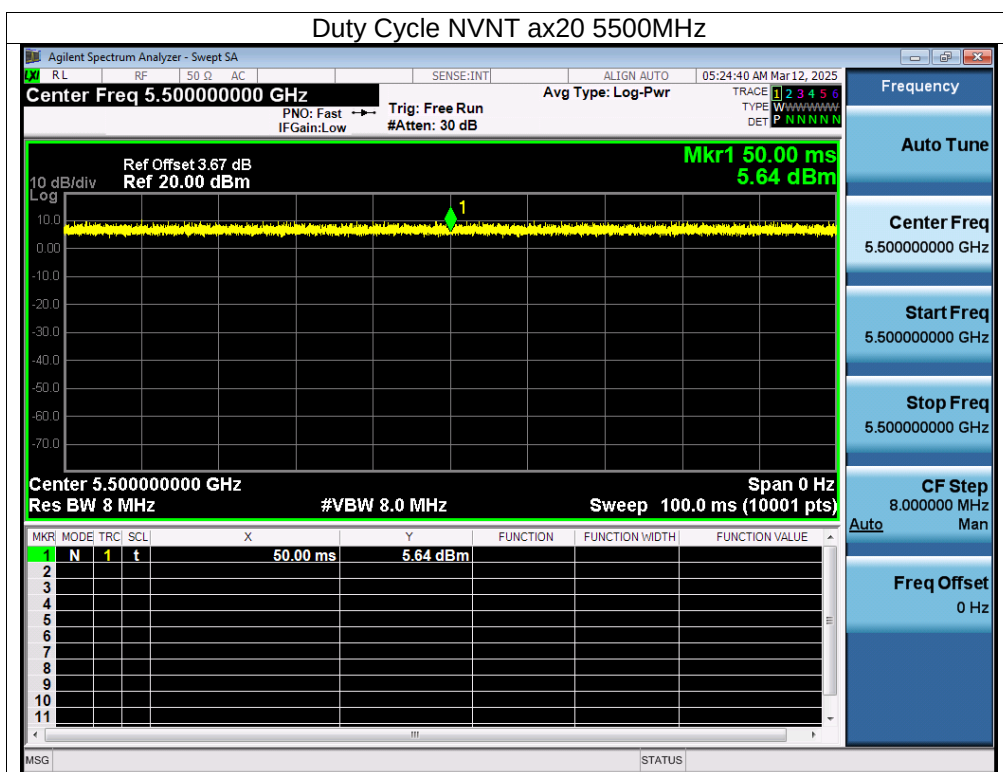
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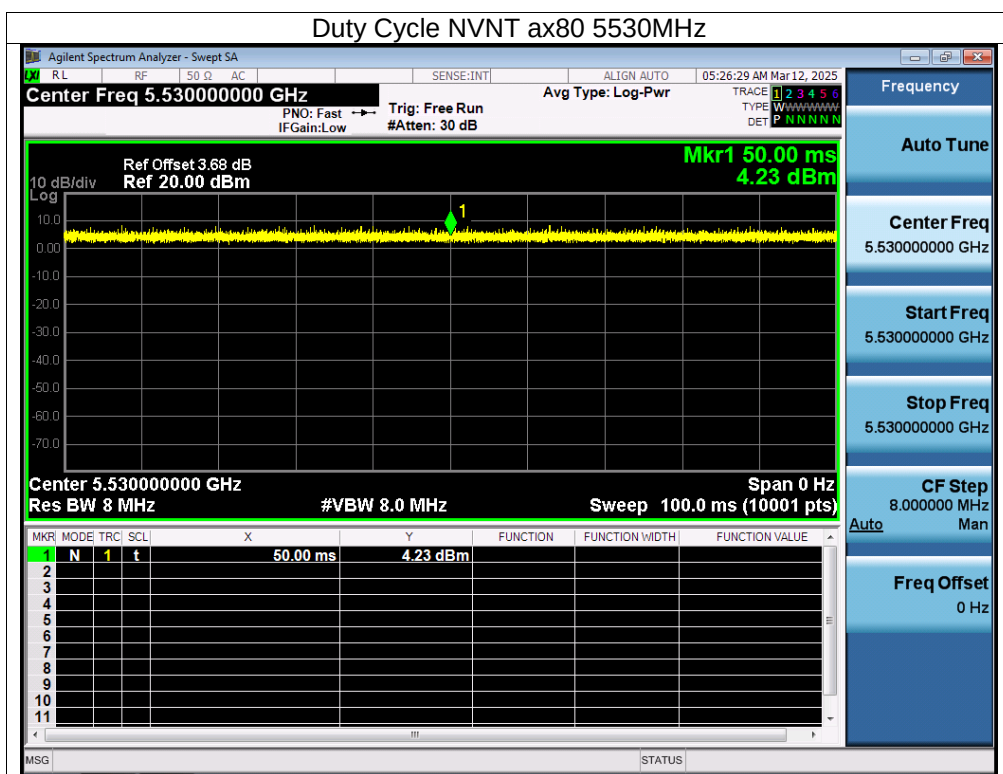






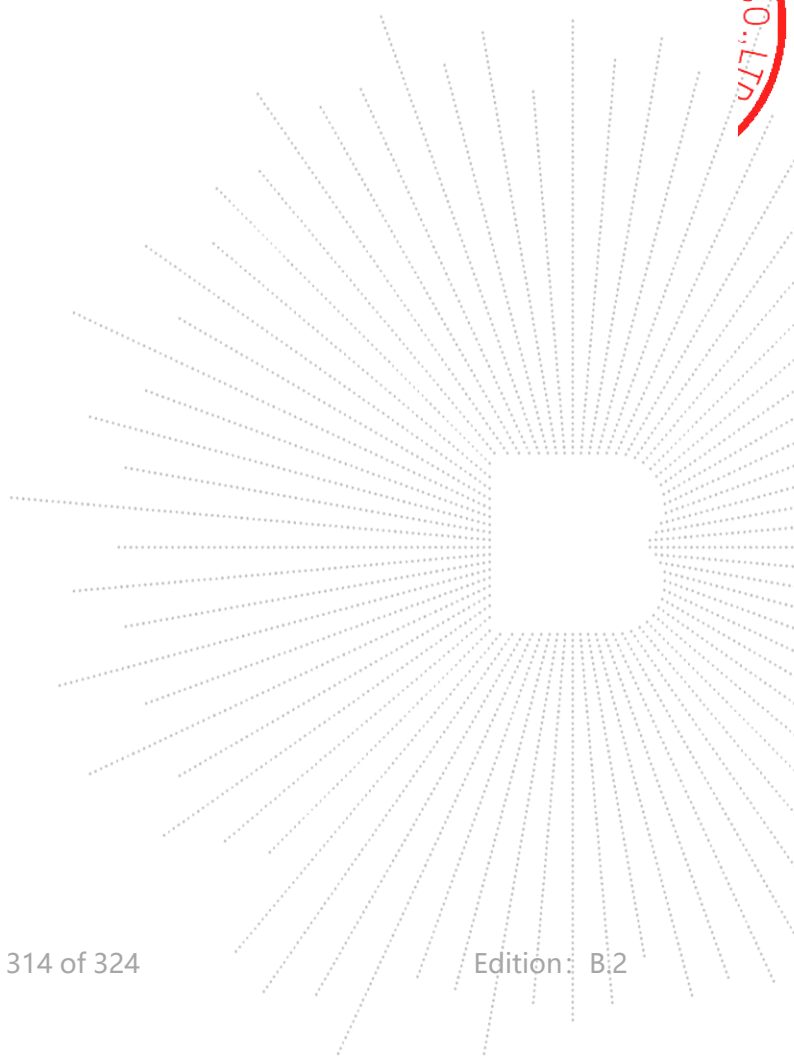


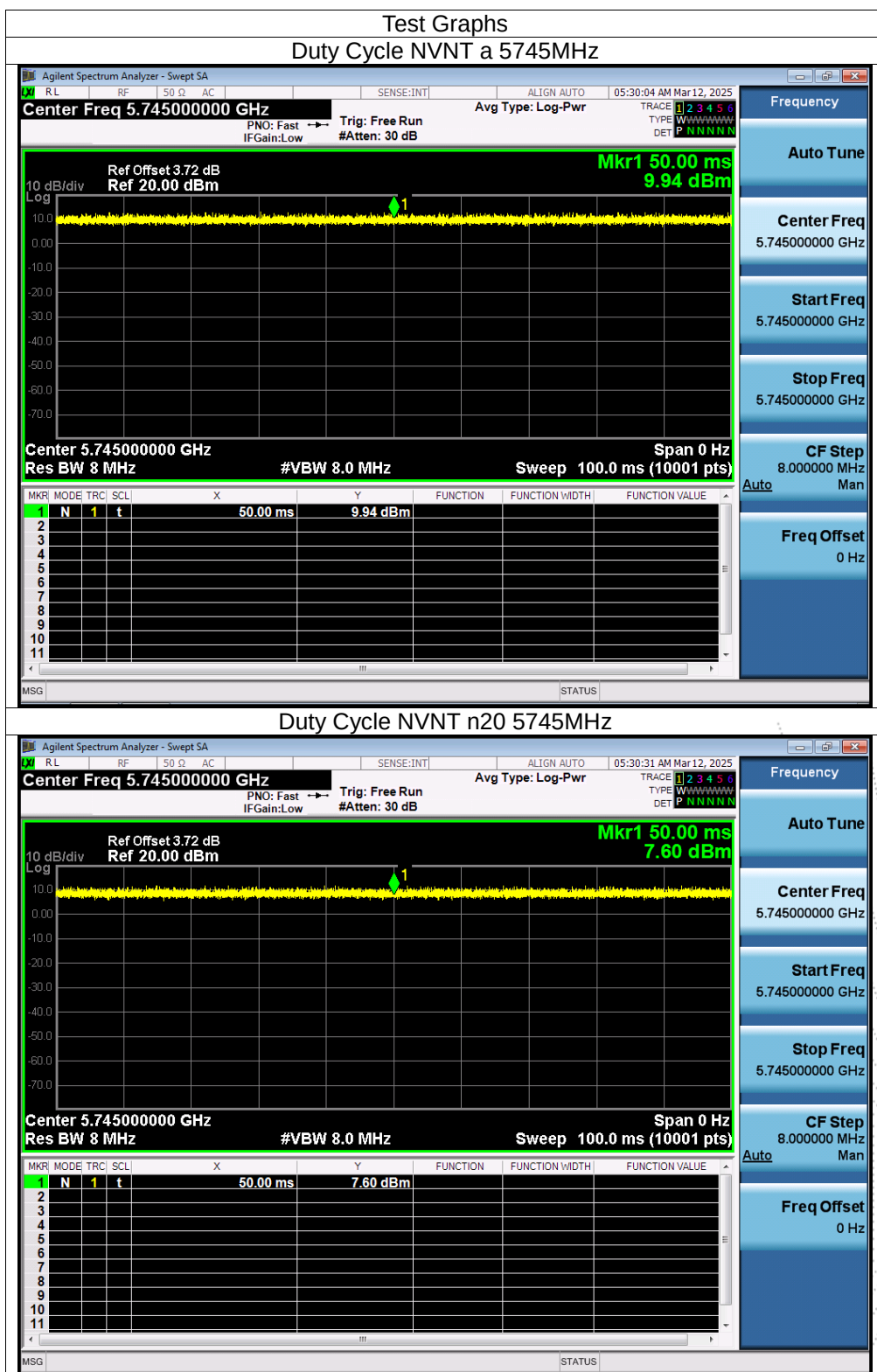


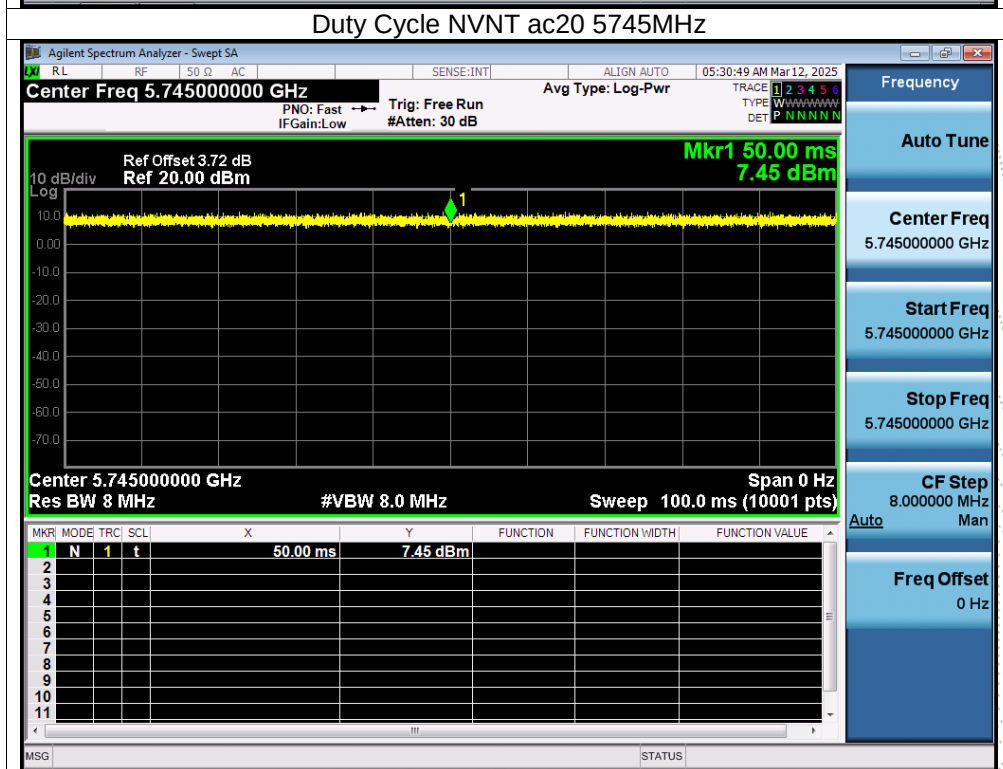
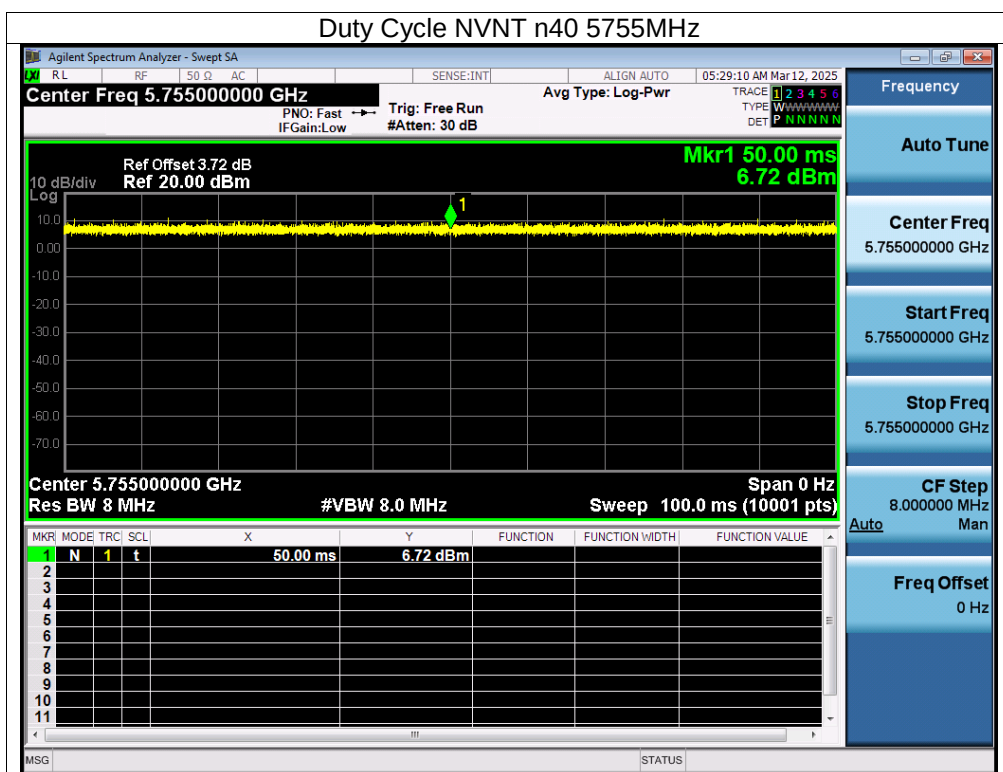


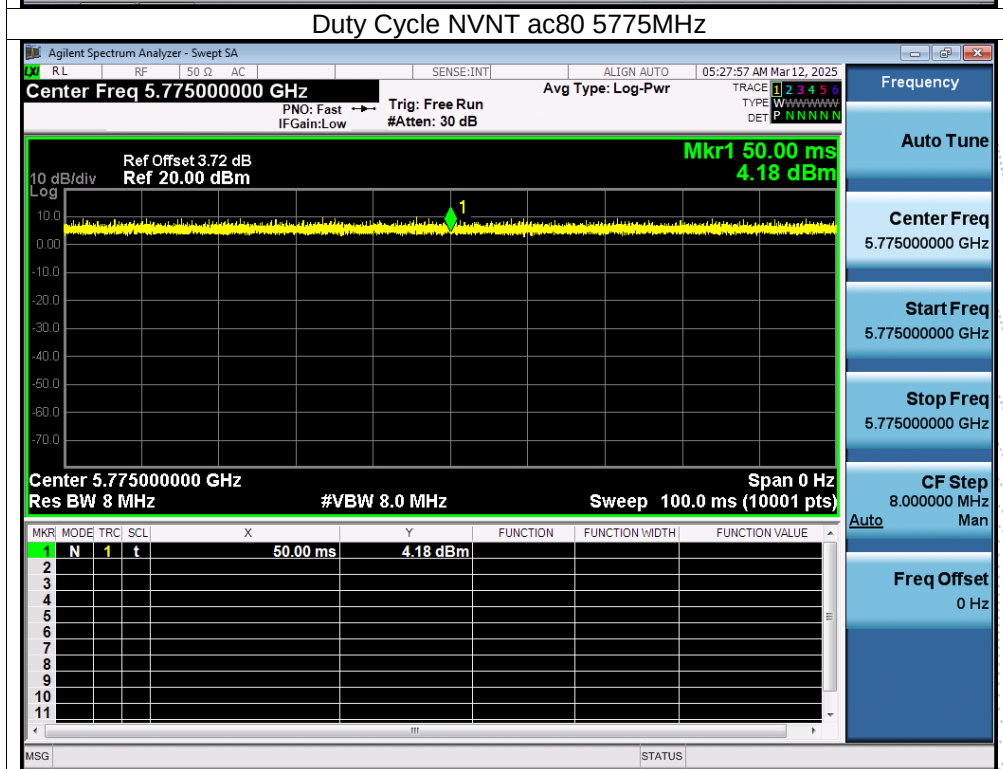
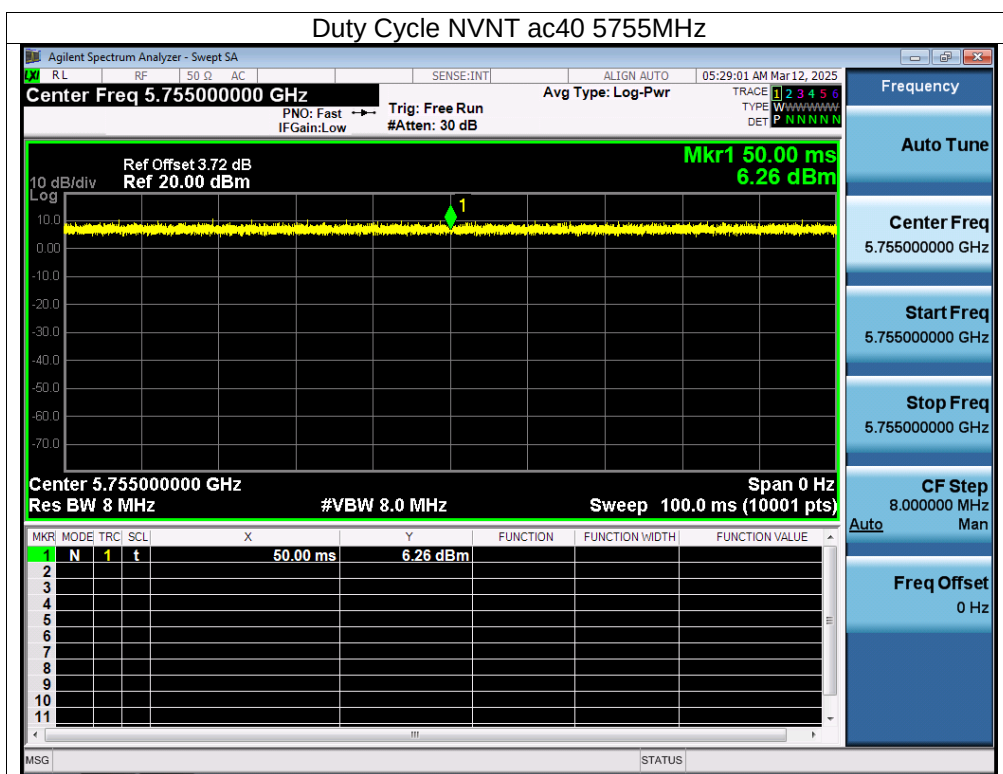
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	100	0	0
NVNT	n20	5745	100	0	0
NVNT	n40	5755	100	0	0
NVNT	ac20	5745	100	0	0
NVNT	ac40	5755	100	0	0
NVNT	ac80	5775	100	0	0
NVNT	ax20	5745	100	0	0
NVNT	ax40	5755	100	0	0
NVNT	ax80	5775	100	0	0

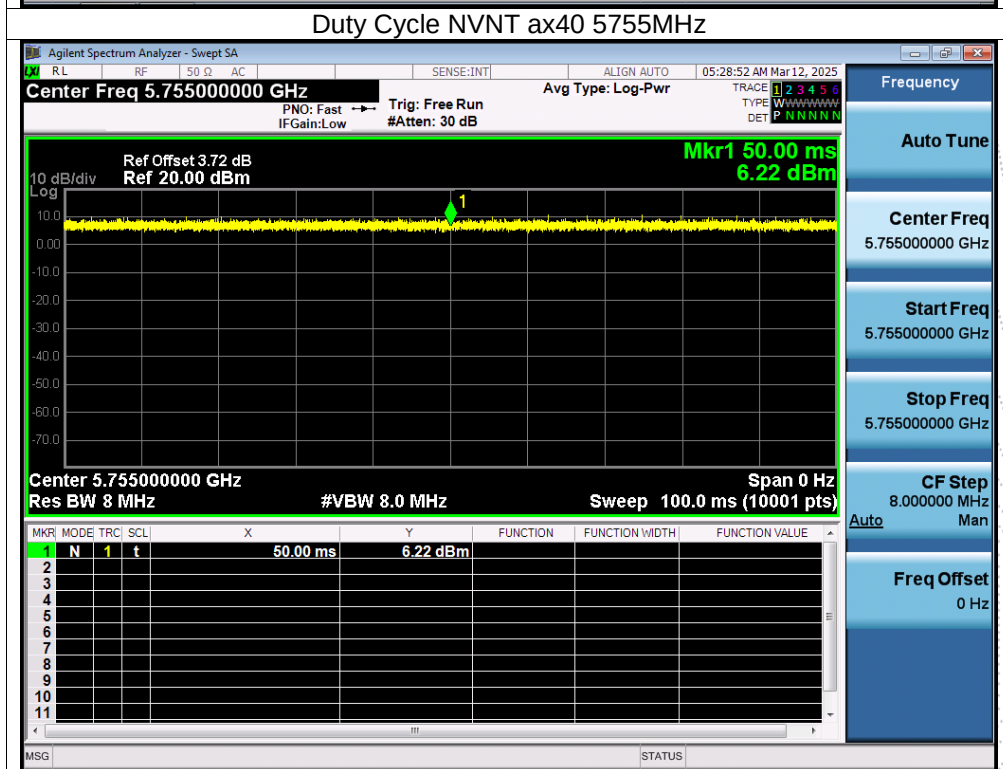
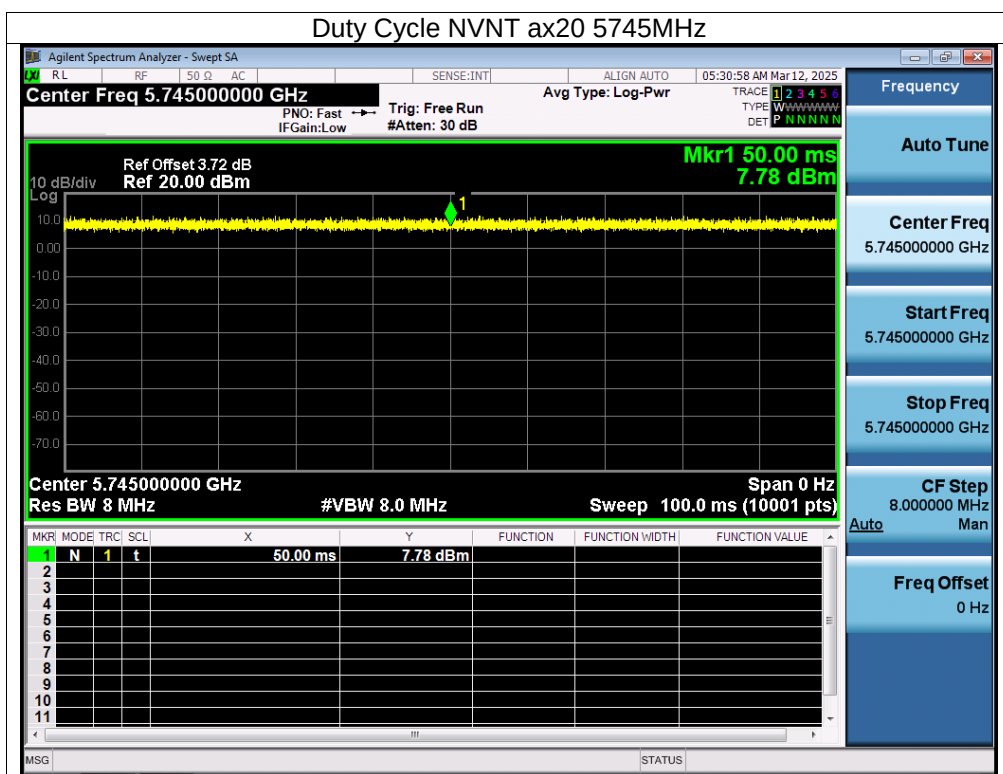
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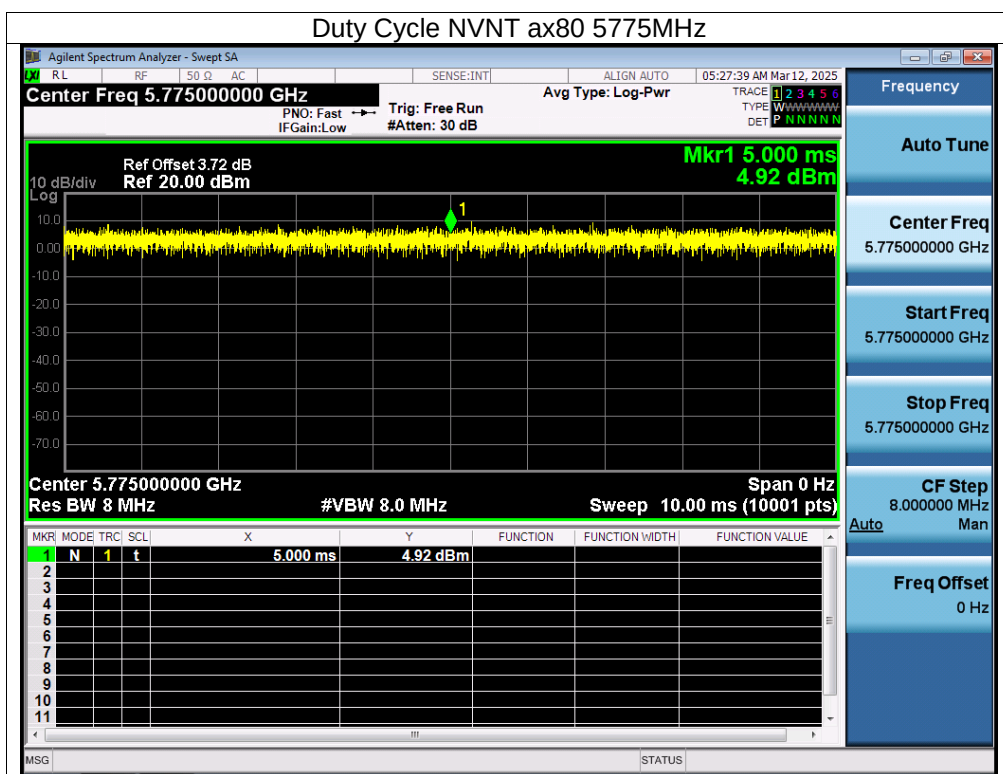












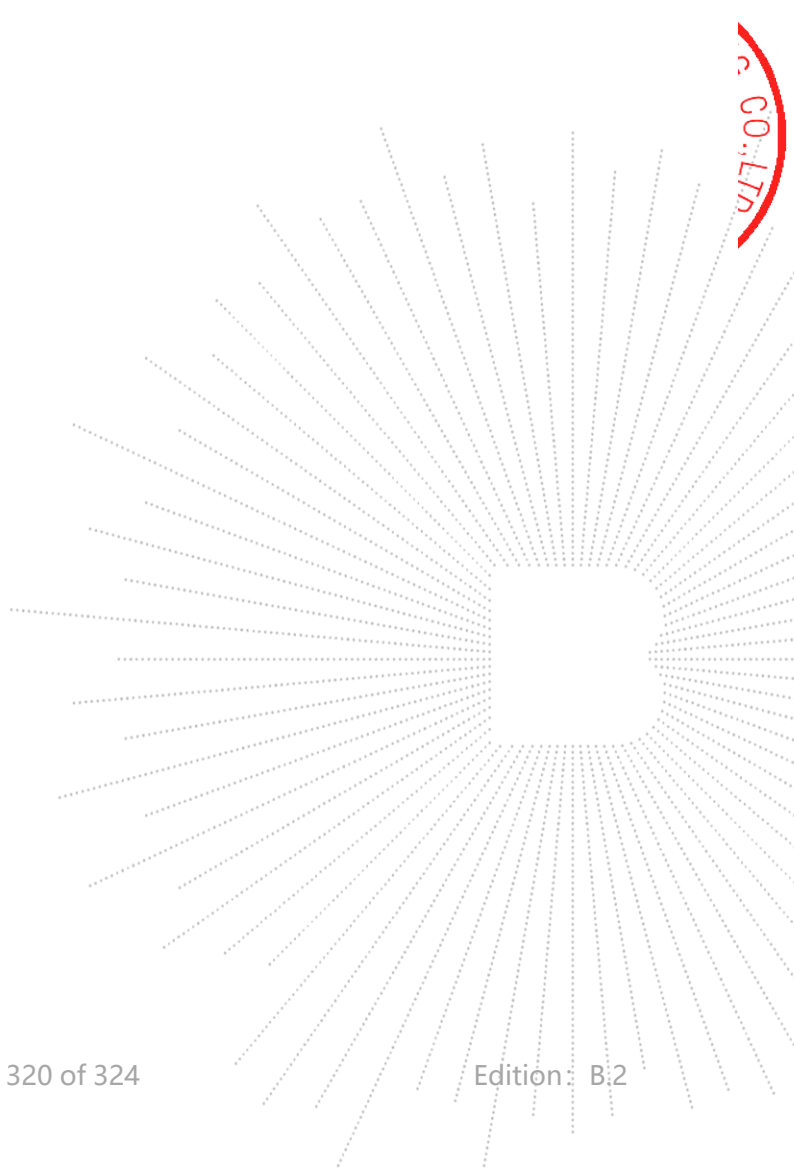
15. Antenna Requirement

15.1 Limit

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

15.2 Test Result

The EUT antenna is FPC antenna. It comply with the standard requirement.



16. EUT Photographs

EUT Photo

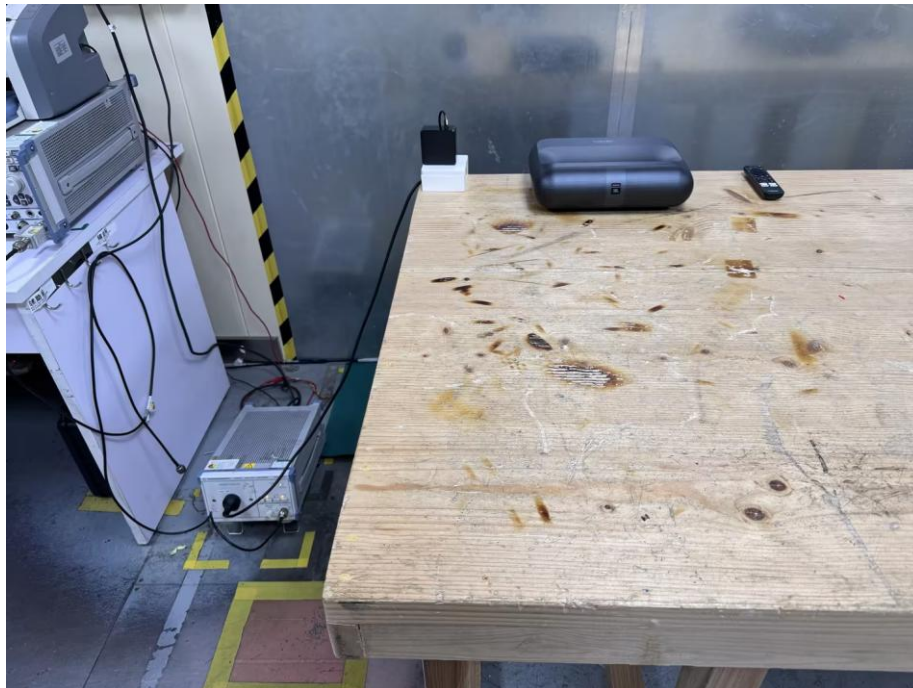


NOTE: Appendix-Photographs Of EUT Constructional Details

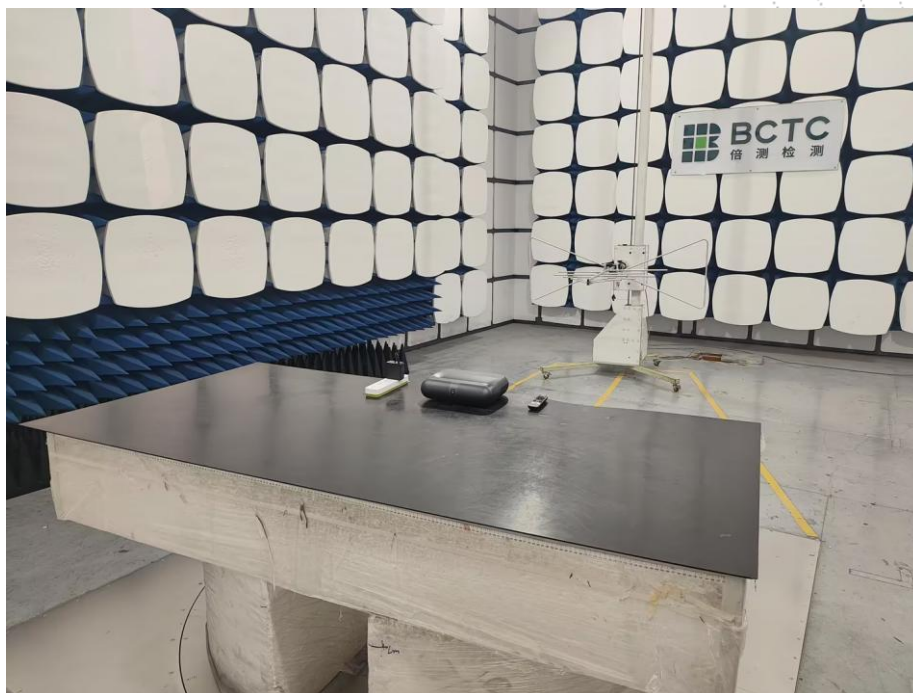
SHENZHEN

17. EUT Test Setup Photographs

Conducted emissions



Radiated Measurement Photos





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STATEMENT

1. The equipment lists are traceable to the national reference standards.
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC17025.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Address:

1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

TEL: 400-788-9558

P.C.: 518103

FAX: 0755-33229357

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