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	5785.00230	5785	0.00230	0.3976
		V max (V)	138.00	5785.01210	5785	0.01210	2.0916
		V min (V)	102.00	5785.01000	5785	0.01000	1.7286
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)	120	T (°C)	-20	5785.01250	5785	0.01250	2.1608
		T (°C)	-10	5785.00380	5785	0.00380	0.6569
		T (°C)	0	5785.01110	5785	0.01110	1.9188
		T (°C)	10	5785.00710	5785	0.00710	1.2273
		T (°C)	20	5785.00550	5785	0.00550	0.9507
		T (°C)	30	5785.00180	5785	0.00180	0.3111
		T (°C)	40	5785.00360	5785	0.00360	0.6223
		T (°C)	50	5785.00220	5785	0.00220	0.3803
		T (°C)	60	5785.00620	5785	0.00620	1.0717
		T (°C)	70	5785.00800	5785	0.00800	1.3829
Limits				5725-5850 MHz			
Result				Complies			

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	5825.01160	5825	0.01160	1.9914
		V max (V)	138.00	5825.00410	5825	0.00410	0.7039
		V min (V)	102.00	5825.00110	5825	0.00110	0.1888
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)	120	T (°C)	-20	5825.01170	5825	0.01170	2.0086
		T (°C)	-10	5825.00010	5825	0.00010	0.0172
		T (°C)	0	5825.00180	5825	0.00180	0.3090
		T (°C)	10	5825.00870	5825	0.00870	1.4936
		T (°C)	20	5825.00210	5825	0.00210	0.3605
		T (°C)	30	5825.00700	5825	0.00700	1.2017
		T (°C)	40	5825.00710	5825	0.00710	1.2189
		T (°C)	50	5825.00420	5825	0.00420	0.7210
		T (°C)	60	5825.00100	5825	0.00100	0.1717
		T (°C)	70	5825.00170	5825	0.00170	0.2918
Limits				5725-5850 MHz			
Result				Complies			

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 = Ton / (Ton+Toff)

14.3 Test Procedure

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

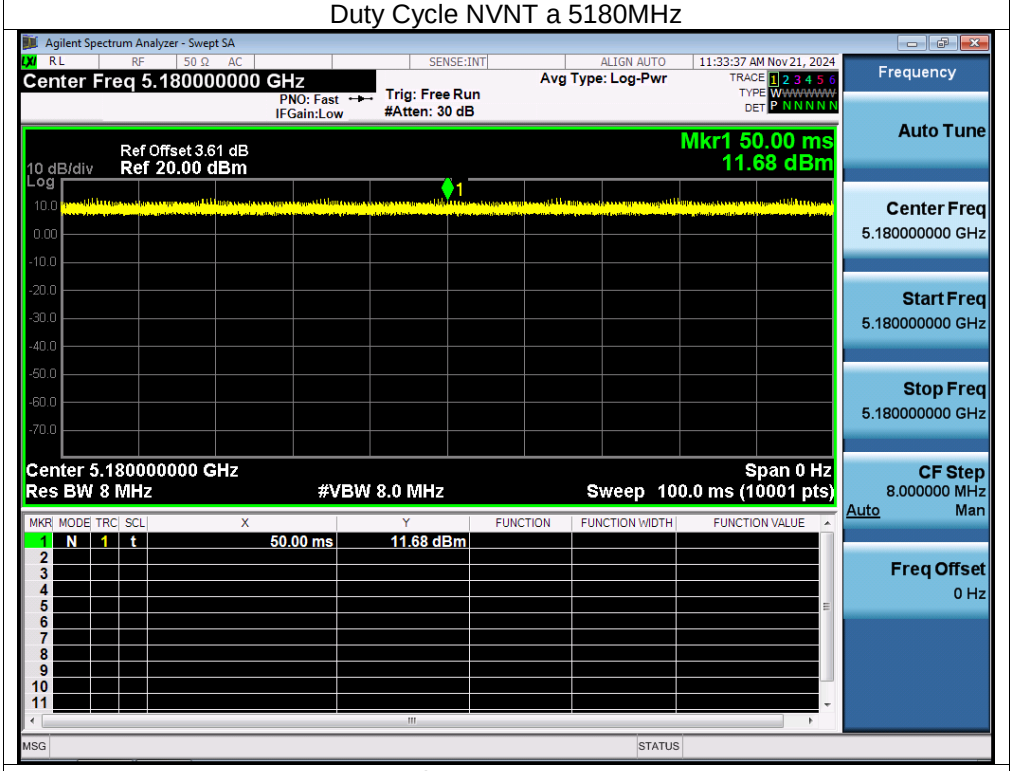
14.4 Test Result

5.1G

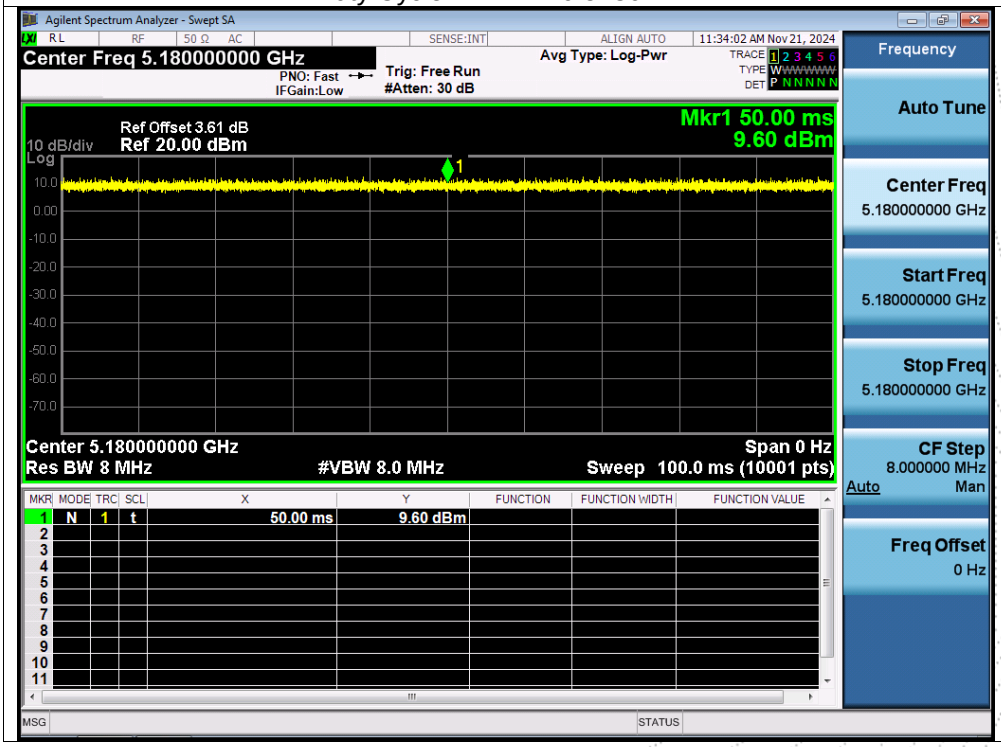
Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
a	5180	100	0
n20	5180	100	0
n40	5190	100	0

Test Graphs

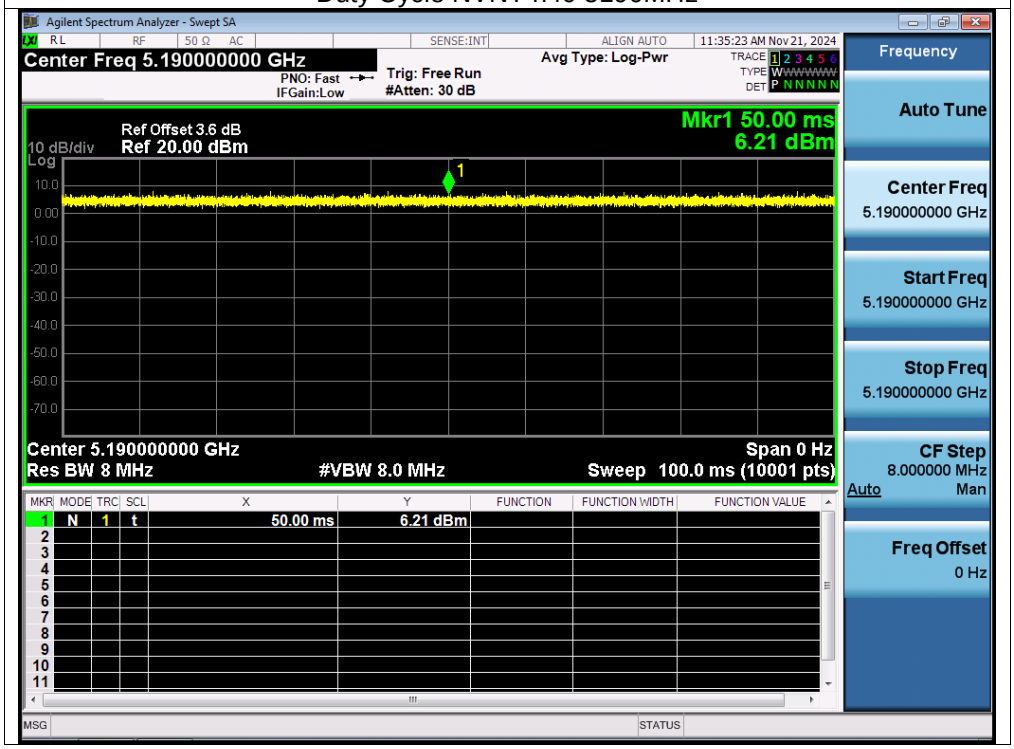
Duty Cycle NVNT a 5180MHz



Duty Cycle NVNT n20 5180MHz

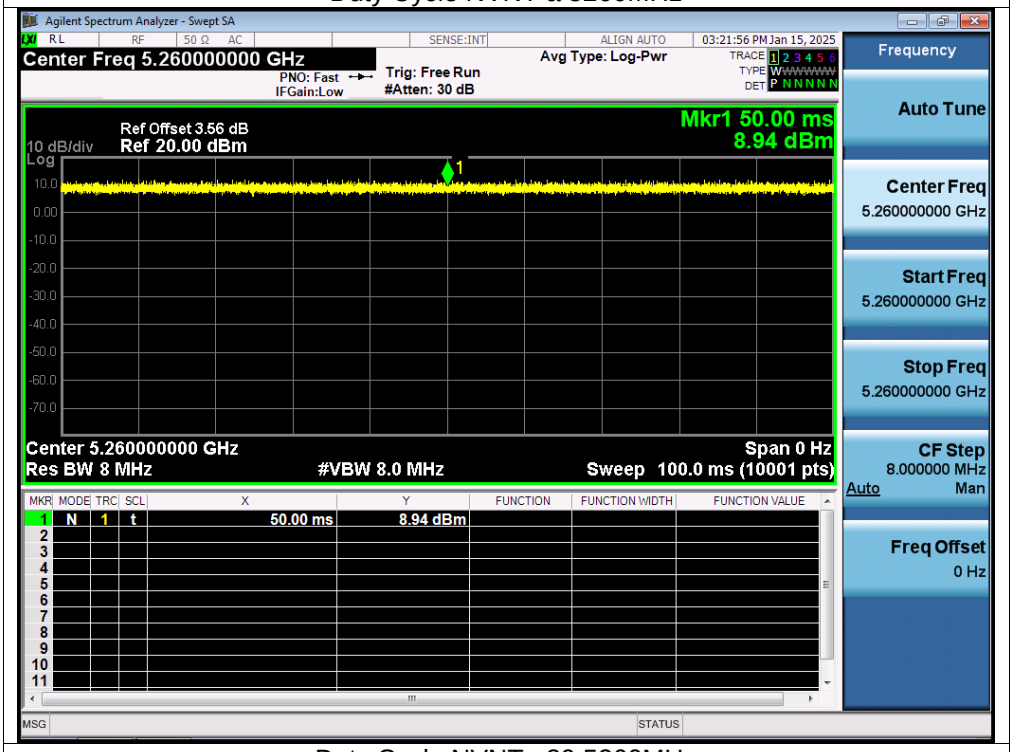


Duty Cycle NVNT n40 5190MHz

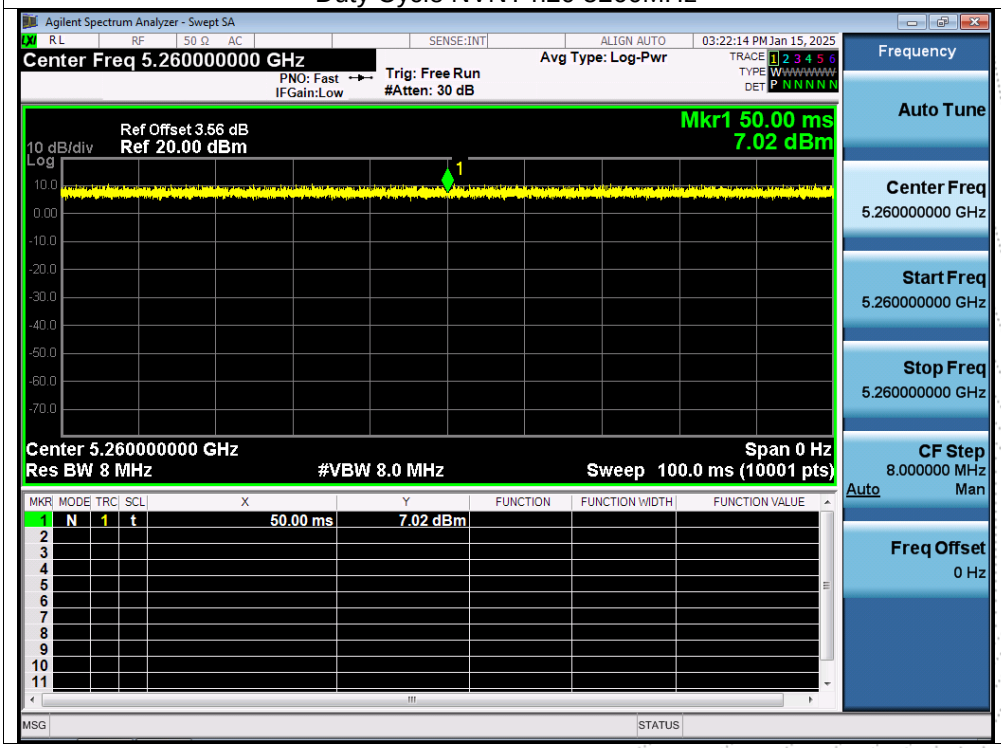


Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
a	5260	100	0
n20	5260	100	0
n40	5270	100	0

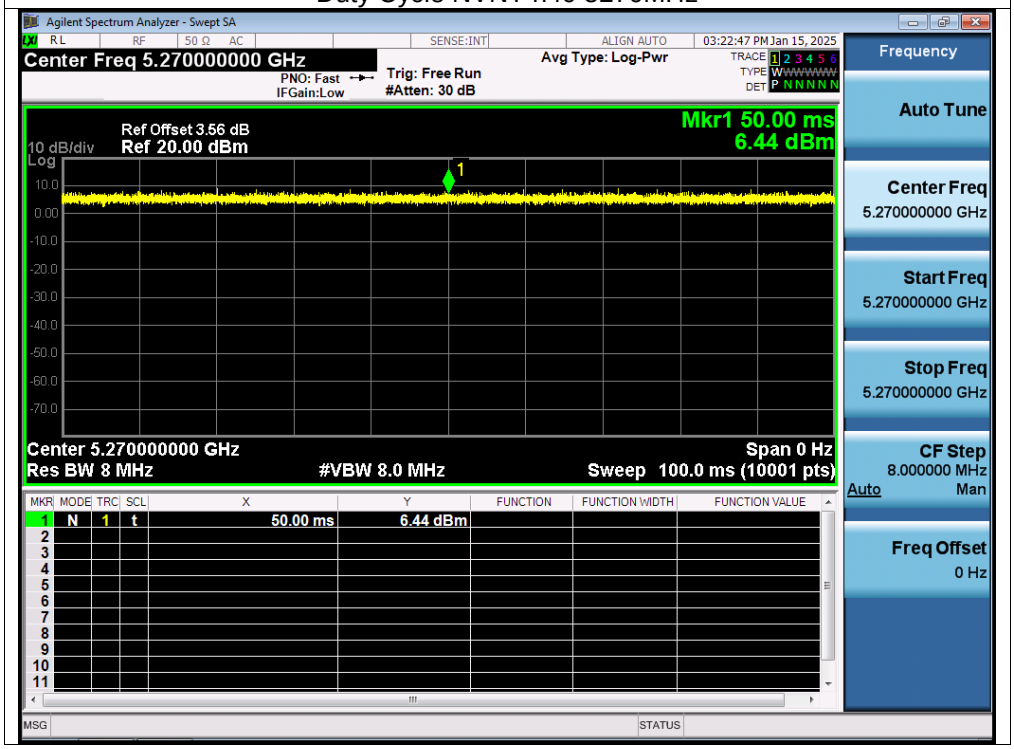
Test Graphs
Duty Cycle NVNT a 5260MHz



Duty Cycle NVNT n20 5260MHz



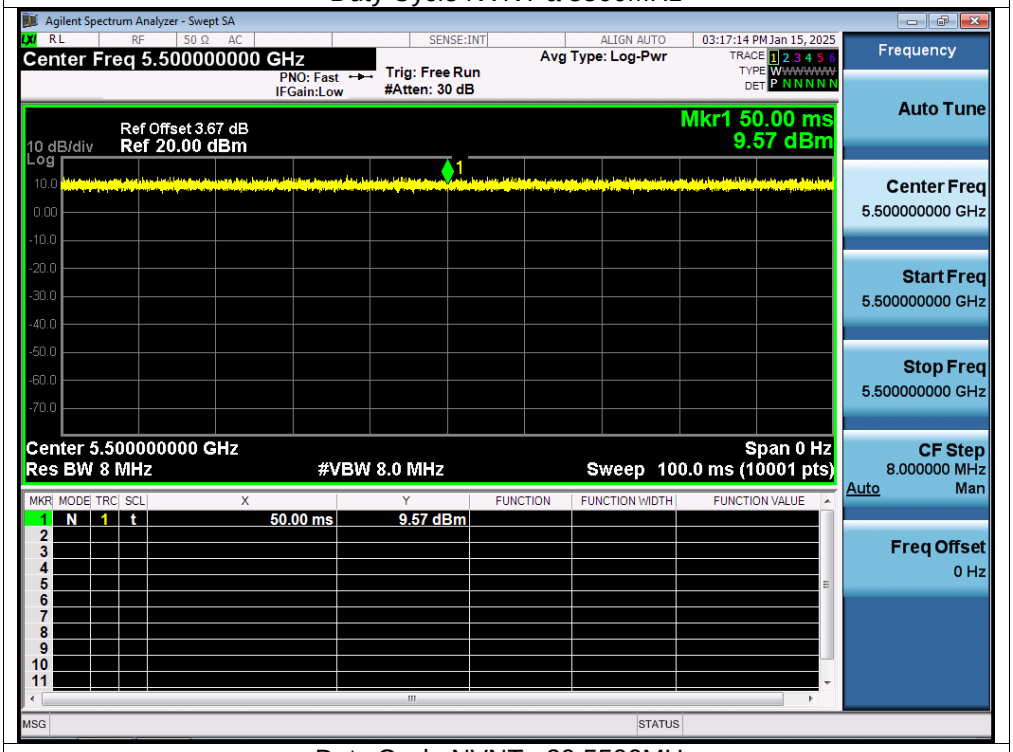
Duty Cycle NVNT n40 5270MHz



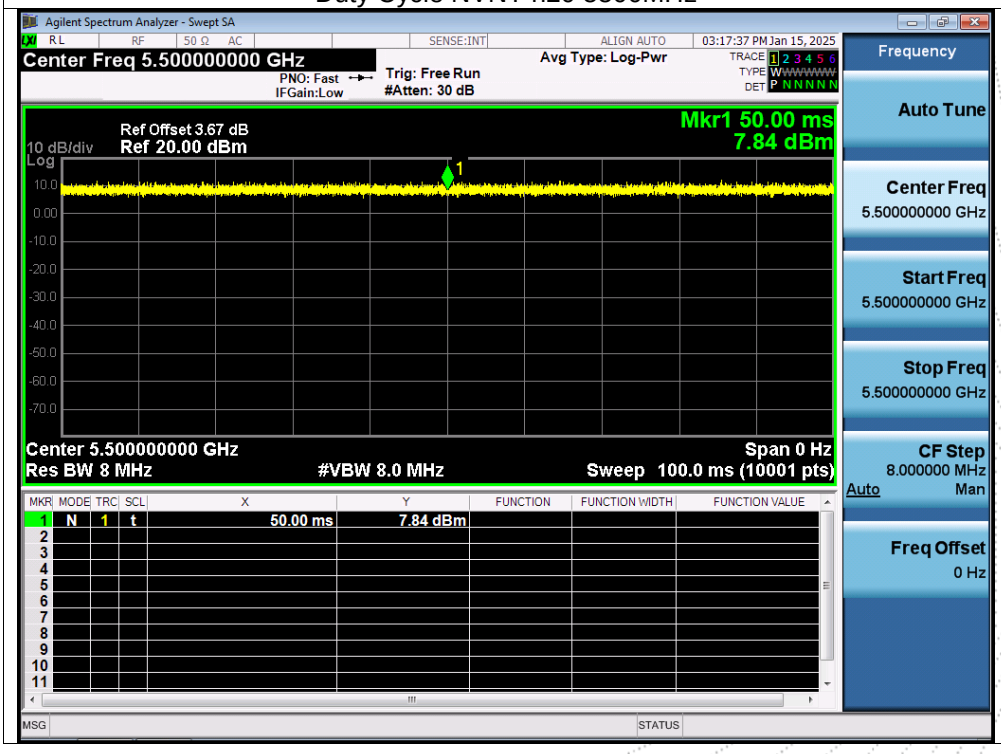
Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
a	5500	100	0
n20	5500	100	0
n40	5510	100	0

Test Graphs

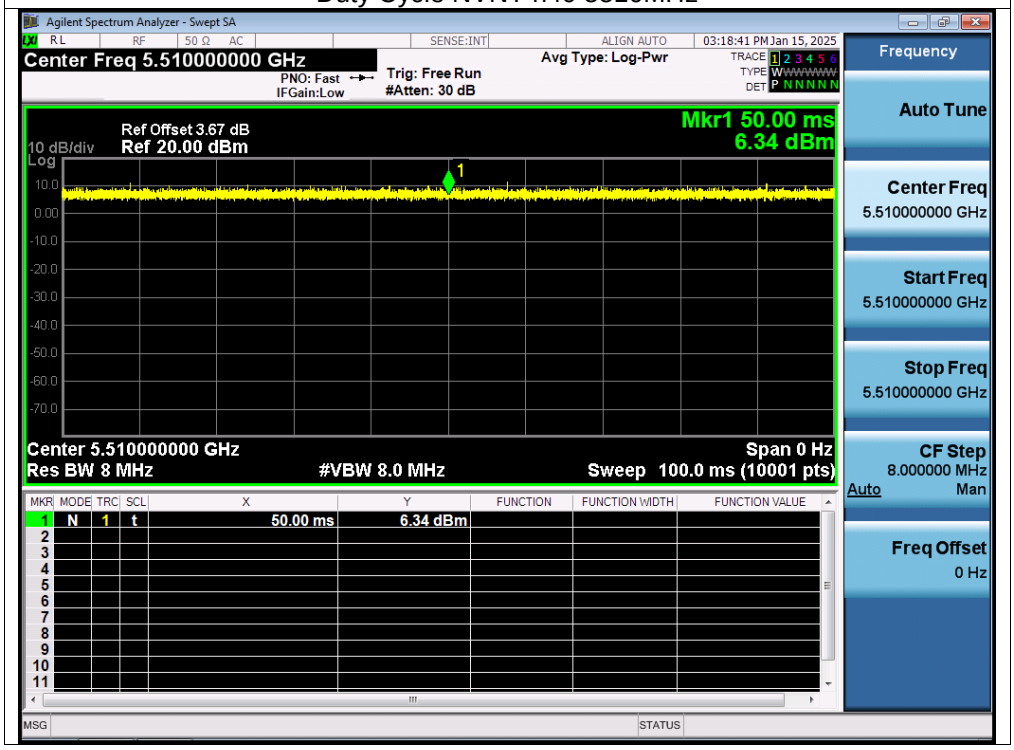
Duty Cycle NVNT a 5500MHz



Duty Cycle NVNT n20 5500MHz



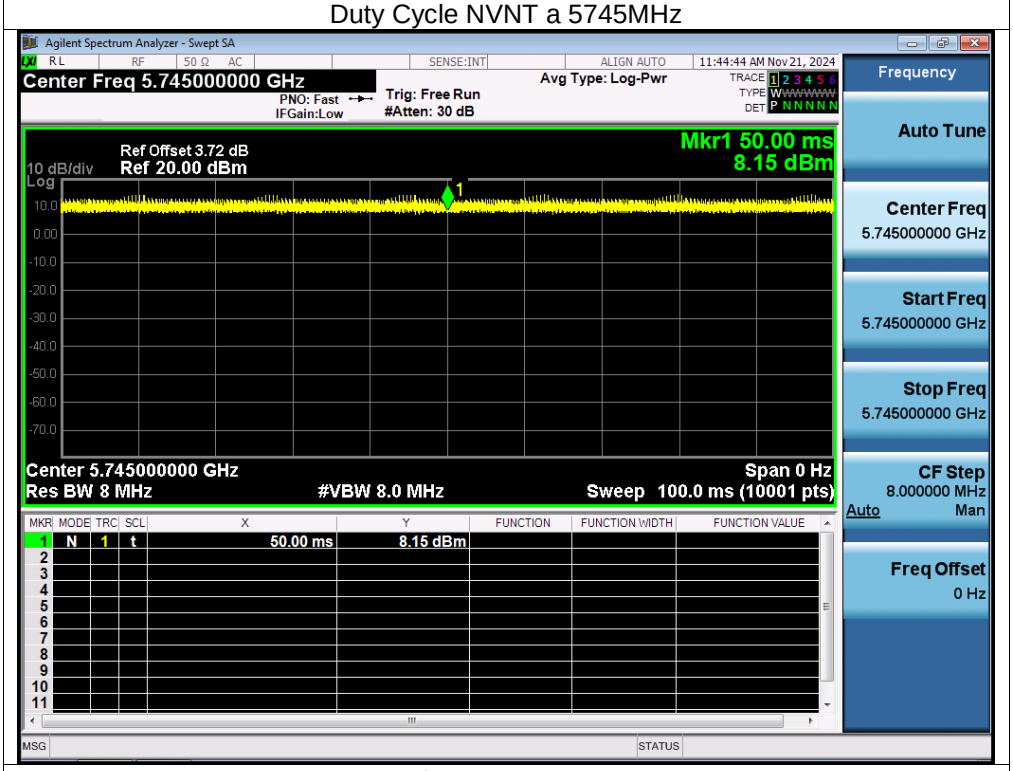
Duty Cycle NVNT n40 5510MHz



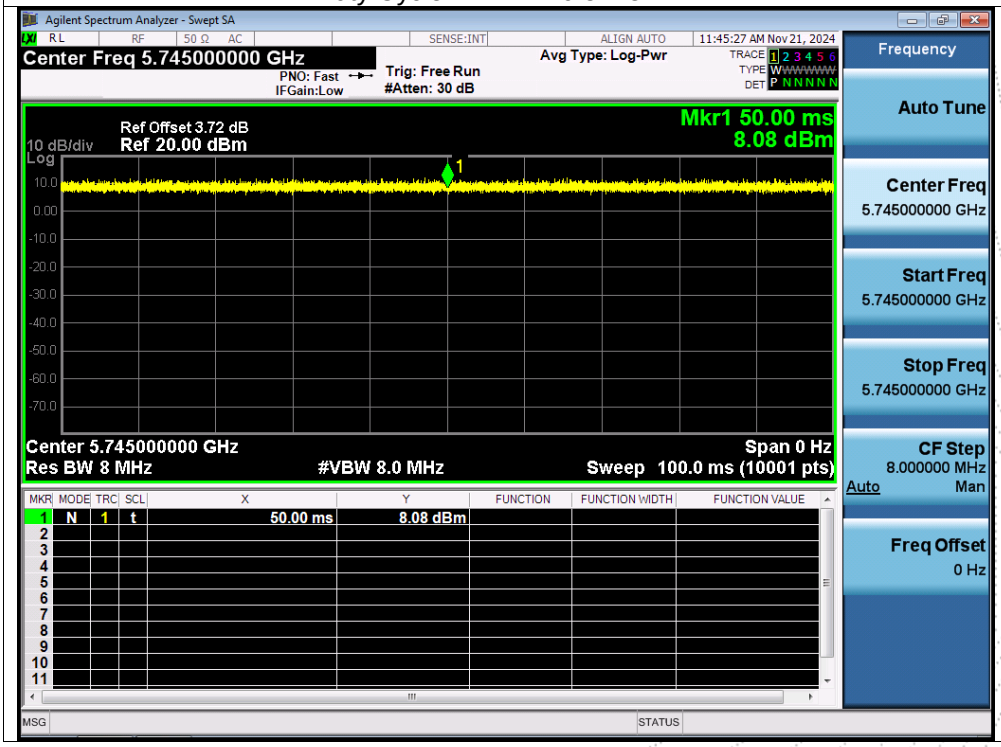
Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
a	5745	100	0
n20	5745	100	0
n40	5755	100	0

Test Graphs

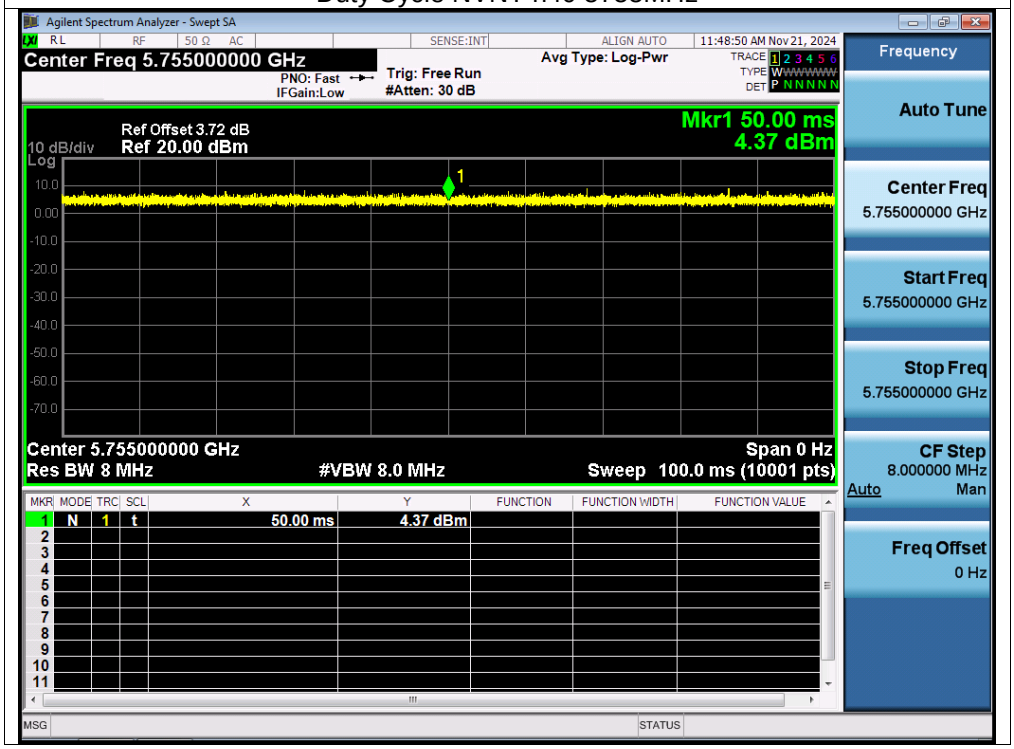
Duty Cycle NVNT a 5745MHz



Duty Cycle NVNT n20 5745MHz



Duty Cycle NVNT n40 5755MHz



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

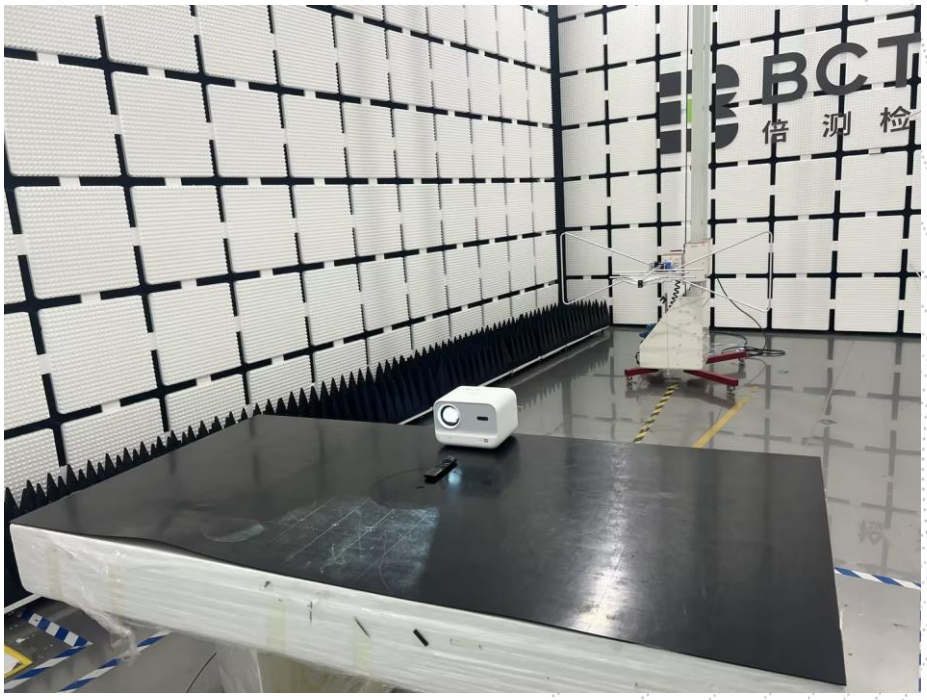
EUT Photo

NOTE: Appendix-Photographs Of EUT Constructional Details.

17. EUT Test Setup Photographs

Conducted Emissions Photo

Radiated Measurement Photos



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

Website: http://www.chnbctc.com

Consultation E-mail: bctc@bctc-lab.com.cn

Complaint/Advice E-mail: advice@bctc-lab.com.cn

※※※※※ END ※※※※※