



RF TEST REPORT

Product Name: Frost-free refrigerator

Model Name: HRM260P9TSE, HRM260P9T*E, (*) maybe A-Z

FCC ID: 2A4A3FRIDGE-780W

Issued For : Hisense Ronshen (Guangdong) Refrigerator Co.,Ltd
No.8 Ronggang Road Ronggui Shunde Foshan Guangdong
P.R.China

Issued By : Shenzhen LGT Test Service Co., Ltd.
Room 205, Building 13, Zone B, Zhenxiong Industrial Park,
No.177, Renmin West Road, Jinsha, Kengzi Street,
Pingshan District, Shenzhen, Guangdong, China

Report Number: LGT25C081RF04

Sample Received Date: April 14, 2025

Date of Test: April 14, 2025 ~ July 23, 2025

Date of Issue: July 23, 2025

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TEST REPORT CERTIFICATION

Applicant: Hisense Ronshen (Guangdong) Refrigerator Co.,Ltd
Address: No.8 Ronggang Road Ronggui Shunde Foshan Guangdong P.R.China
Manufacturer: Hisense Ronshen (Guangdong) Refrigerator Co.,Ltd
Address: No.8 Ronggang Road Ronggui Shunde Foshan Guangdong P.R.China
Product Name: Frost-free refrigerator
Trademark: Hisense
Model Name: HRM260P9TSE, HRM260P9T*E, (*) maybe A-Z
Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part 15.407, Subpart E ANSI C63.10-2013	PASS

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Revision History

Rev.	Issue Date	Contents
00	July 23, 2025	Initial Issue



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

Part 15.407, KDB 789033 D02 General U-NII Test Procedures New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

FCC Part 15.407		
FCC standard	Test Item	Results
15.207	AC Conducted Emission	PASS
15.407 (a) /15.407 (e)	26dB/6dB & 99% Bandwidth	PASS
15.407(a)	Maximum Conducted Output Power	PASS
15.407(b)/15.205/15.209	Radiated Emission And (bandedge Emissions) Measurement	PASS
15.407(a)	Power Spectral Density	PASS
15.407(c)	Automatically Discontinue Transmission	PASS
15.203/15.204	Antenna Requirement	PASS

NOTE:

(1) 'N/A' denotes test is not applicable in this Test Report.

(2) All tests are according to ANSI C63.10-2013.



1.1 TEST FACTORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate:	A2LA Certificate No.: 6727.01
	FCC Registration No.: 746540
	CAB ID: CN0136

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95 %**.

No.	Item	Uncertainty
1	Occupied Channel Bandwidth	$\pm 0.46 \%$
2	RF Output Power, Conducted	$\pm 0.71\text{dB}$
3	Power Spectral Density, Conducted	$\pm 1.57 \text{ dB}$
4	Unwanted Emission, Conducted	$\pm 0.63\text{dB}$
5	Conducted emission	$\pm 2.80\text{dB}$
6	All Emissions, Radiated (0.009-30MHz)	$\pm 2.16\text{dB}$
7	All Emissions, Radiated (30MHz-1GHz)	$\pm 4.61\text{dB}$
8	All Emissions, Radiated (1GHz-18GHz)	$\pm 5.49\text{dB}$
9	Temperature	$\pm 0.5^{\circ}\text{C}$
10	Humidity	$\pm 2\%$
11	Duty Cycle	$\pm 2.3\%$

Note: The measurement uncertainty is not included in the test result.



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	Frost-free refrigerator								
Trademark:	Hisense								
Model Name:	HRM260P9TSE								
Serials Model Name:	HRM260P9T*E, (*) maybe A-Z								
Model Difference:	Only difference in model name.								
Product Description:	<table border="1"> <tr> <td>Operation Frequency:</td><td> IEEE 802.11a/n(HT20)/ac(VHT20): 5.180GHz-5.240GHz IEEE 802.11n(HT40)/ac(VHT40): 5.190GHz-5.230GHz IEEE 802.11ac(VHT80): 5.210GHz </td></tr> <tr> <td>Modulation Type:</td><td> IEEE 802.11a/n(HT20)/ac(VHT20): 5.745GHz-5.825GHz IEEE 802.11a/n(HT40)/ac(VHT40): 5.755GHz-5.795GHz IEEE 802.11ac(VHT80): 5.775GHz </td></tr> <tr> <td>Antenna Designation:</td><td>Metal Antenna</td></tr> <tr> <td>Antenna Gain(dBi)</td><td> ANT 1: 2.1 ANT 2: 2.1 For MIMO mode: Directional gain=5.11 dBi </td></tr> </table> More details of EUT technical specification, please refer to the User Manual.	Operation Frequency:	IEEE 802.11a/n(HT20)/ac(VHT20): 5.180GHz-5.240GHz IEEE 802.11n(HT40)/ac(VHT40): 5.190GHz-5.230GHz IEEE 802.11ac(VHT80): 5.210GHz	Modulation Type:	IEEE 802.11a/n(HT20)/ac(VHT20): 5.745GHz-5.825GHz IEEE 802.11a/n(HT40)/ac(VHT40): 5.755GHz-5.795GHz IEEE 802.11ac(VHT80): 5.775GHz	Antenna Designation:	Metal Antenna	Antenna Gain(dBi)	ANT 1: 2.1 ANT 2: 2.1 For MIMO mode: Directional gain=5.11 dBi
Operation Frequency:	IEEE 802.11a/n(HT20)/ac(VHT20): 5.180GHz-5.240GHz IEEE 802.11n(HT40)/ac(VHT40): 5.190GHz-5.230GHz IEEE 802.11ac(VHT80): 5.210GHz								
Modulation Type:	IEEE 802.11a/n(HT20)/ac(VHT20): 5.745GHz-5.825GHz IEEE 802.11a/n(HT40)/ac(VHT40): 5.755GHz-5.795GHz IEEE 802.11ac(VHT80): 5.775GHz								
Antenna Designation:	Metal Antenna								
Antenna Gain(dBi)	ANT 1: 2.1 ANT 2: 2.1 For MIMO mode: Directional gain=5.11 dBi								
Test Channel:	Please refer to the Note 3.								
Rating:	Input: AC 110-115V/60Hz, 3A								
Hardware Version:	N/A								
Software Version:	N/A								
Connecting I/O Port(s):	Please refer to the Note 1.								



Note

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.
2. The antenna information refers to the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.

Operation Frequency of channel			
5.180GHz-5.240GHz		5.745GHz-5.825GHz	
Channel	Frequency	Channel	Frequency
36	5180	149	5745
38	5190	151	5755
40	5200	153	5765
42	5210	157	5785
44	5220	159	5795
46	5230	161	5805
48	5240	165	5825

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Carrier Frequency Channel

Channel List for 802.11a/n/ac(20MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	149	5745	--	--	--	--
40	5200	157	5785	--	--	--	--
48	5240	165	5825	--	--	--	--

Channel List for 802.11n/ac(40MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	151	5755	--	--	--	--
46	5230	159	5795	--	--	--	--
--	--	--	--	--	--	--	--

Channel List for 802.11ac(80MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	155	5775	--	--	--	--
--	--	--	--	--	--	--	--



2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Worst Mode	Description	Data Rate
Mode 1	TX IEEE 802.11a HT20 CH36&CH40&CH48	6 Mbps
Mode 2	TX IEEE 802.11a HT20 CH149&CH157&CH165	6 Mbps
Mode 3	TX IEEE 802.11n HT20 CH36&CH40&CH48	MCS 0
Mode 4	TX IEEE 802.11ac VHT20 CH36&CH40&CH48	NSS1 MCS0
Mode 5	TX IEEE 802.11n HT20 CH149&CH157&CH165	MCS 0
Mode 6	TX IEEE 802.11ac VHT20 CH149&CH157&CH165	NSS1 MCS0
Mode 7	TX IEEE 802.11n HT40 CH38&CH46	MCS 0
Mode 8	TX IEEE 802.11ac VHT40 CH38&CH46	NSS1 MCS0
Mode 9	TX IEEE 802.11n HT40 CH151&CH159	MCS 0
Mode 10	TX IEEE 802.11ac VHT40 CH151&CH159	NSS1 MCS0
Mode 11	TX IEEE 802.11ac VHT80 CH42	NSS1 MCS0
Mode 12	TX IEEE 802.11ac VHT80 CH155	NSS1 MCS0

Note: (1) The measurements are performed at the highest, middle, lowest available channels.
(2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.
(6) All 20M, 40M bandwidth modes have been tested, and the report only shown the worst mode data

AC Conducted Emission

Test Case	
AC Conducted Emission	Mode 13: TX Mode



2.3 TEST SOFTWARE AND POWER LEVEL

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

Test software Version	Test program: 5G WIFI B1		
CMD Command	Mode Or Modulation type	SISO Power setting	MIMO Power setting
	a	14	-
	n20	12	12
	n40	12	12
	ac20	12	12
	ac40	12	12
	ac80	12	12
Test software Version	Test program: 5G WIFI B4		
CMD Command	Mode Or Modulation type	SISO Power setting	MIMO Power setting
	a	17	-
	n20	17	12
	n40	17	12
	ac20	17	12
	ac40	17	12
	ac80	17	12

2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Accessories Equipment

Description	Manufacturer	Model	S/N	Rating

Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Laptop	Lenovo	T470s	N/A	N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” is means “with core”; “NO” is means “without core”.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2025.03.06	2026.03.05
LISN	COM-POWER	LI-115	02032	2025.03.05	2026.03.04
LISN	SCHWARZBECK	NNLK 8122	00160	2025.03.05	2026.03.04
Transient Limiter	CYBERTEK	EM5010A	E2250100049	2025.03.05	2026.03.04
Coaxial cables (9kHz-30MHz)	Juncoax	JMR600-NMNM-2M	N.A	2025.03.06	2026.03.05
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2025.03.10	2026.03.09
Testing Software	EMC-I_V1.4.0.3_SKET				

Radiated Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2025.03.06	2026.03.05
Active loop Antenna	ETS	6502	00049544	2025.03.11	2028.03.10
Spectrum Analyzer	Keysight	N9010B	MY60242508	2025.03.05	2026.03.04
Trilog Broadband Antenna (30M-1G)	SCHWARZBECK	VULB 9168	2705	2024.05.17	2027.05.16
Horn Antenna(1-18G)	SCHWARZBECK	3115	10SL0060	2025.03.10	2028.03.09
Horn Antenna(18-40G)	SCHWARZBECK	BBHA 9170	685	2023.10.23	2026.10.22
Pre-amplifier(30M-1G)	EMtrace	RP01A	02019	2025.03.06	2026.03.05
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2025.03.06	2026.03.05
Pre-amplifier(18-40G)	SCHWARZBECK	BBV 9721	9721-019	2024.10.21	2025.10.20
Coaxial cables (9kHz-1GHz)	Juncoax	JMR600-NMNM-8M	N.A	2025.03.06	2026.03.05
Coaxial cables (1GHz-18GHz)	TaiHe	UCD460B-NMSM-1M9	N.A	2025.03.06	2026.03.05
Coaxial cables (18GHz-40GHz)	Junkosha Inc.	MWX241-05000KMSKMS	N.A	2025.03.08	2026.03.07
Temperature & Humidity test chamber	AISRY	LX-1000L	171200018	2024.08.05	2025.08.04
Antenna Tower	SAEMC	BK-4AT-BS-D	SK2021093008	N.A	N.A
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2025.03.10	2026.03.09
Testing Software	EMC-I_V1.4.0.3_SKET				

RF Conducted Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
Signal Analyzer	Keysight	N9010B	MY60242508	2025.03.05	2026.03.04
Signal Analyzer	Keysight	N9020A	MY50530994	2025.03.05	2026.03.04
Signal Analyzer	R&S	FSV40-N	102245	2025.02.17	2026.02.16
Power Sensor	R&S	NRP8S	149.0006K02-104963-Ae	2025.03.06	2026.03.05
RF Automatic Test system	MW	MW100-RFCB	MW220324LG-33	2025.03.06	2026.03.05



MXG Vector Signal Generator	Keysight	N5182B	MY59100717	2025.03.05	2026.03.04
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2024.08.05	2025.08.04
Attenuator	eastsheep	90db	N.A	2025.03.06	2026.03.05
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2025.03.10	2026.03.09
Digital multimeter	MASTECH	MS8261	MBGBC83053	2025.03.05	2026.03.04
DC source	Jiuyuan	QJ6010E	N.A	2025.03.09	2026.03.08
Testing Software	MTS8310_V2.0.0.0_MW				



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class B (dBuV)		Standard
	Quasi-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	56.00	46.00	CISPR
5.0 -30.0	60.00	50.00	CISPR

0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of “ * ” marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz



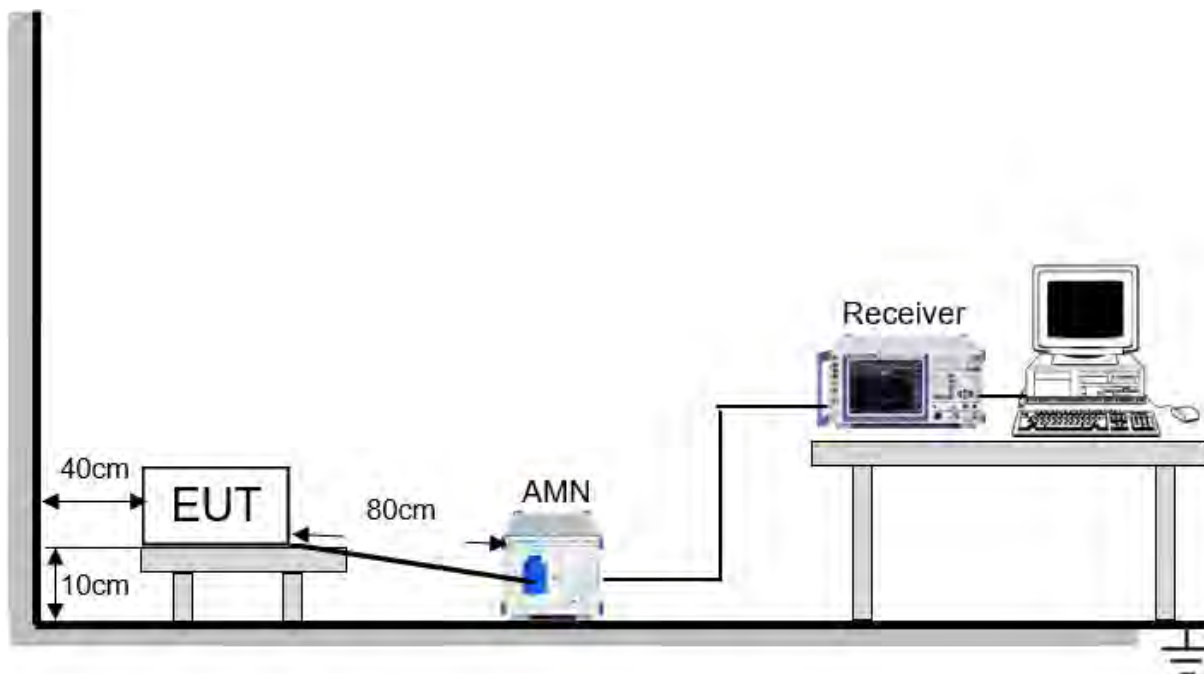
3.1.2 TEST PROCEDURE

- The EUT is 0.1 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN is at least 80 cm from the nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



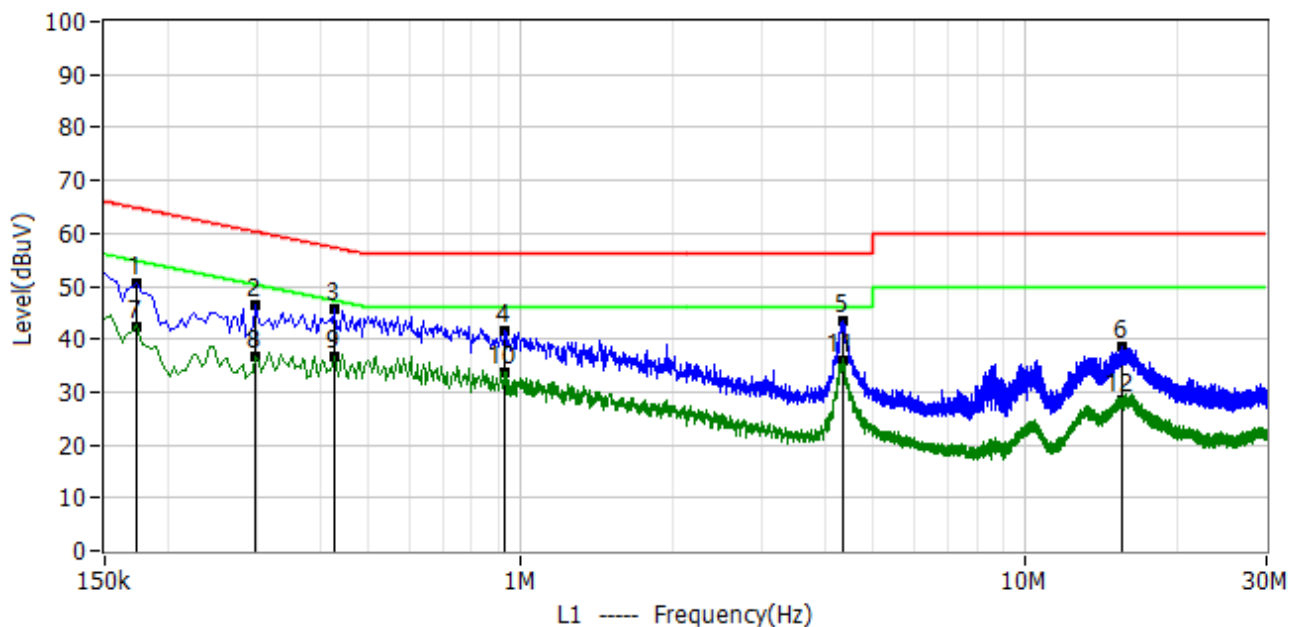
3.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



3.1.6 TEST RESULTS

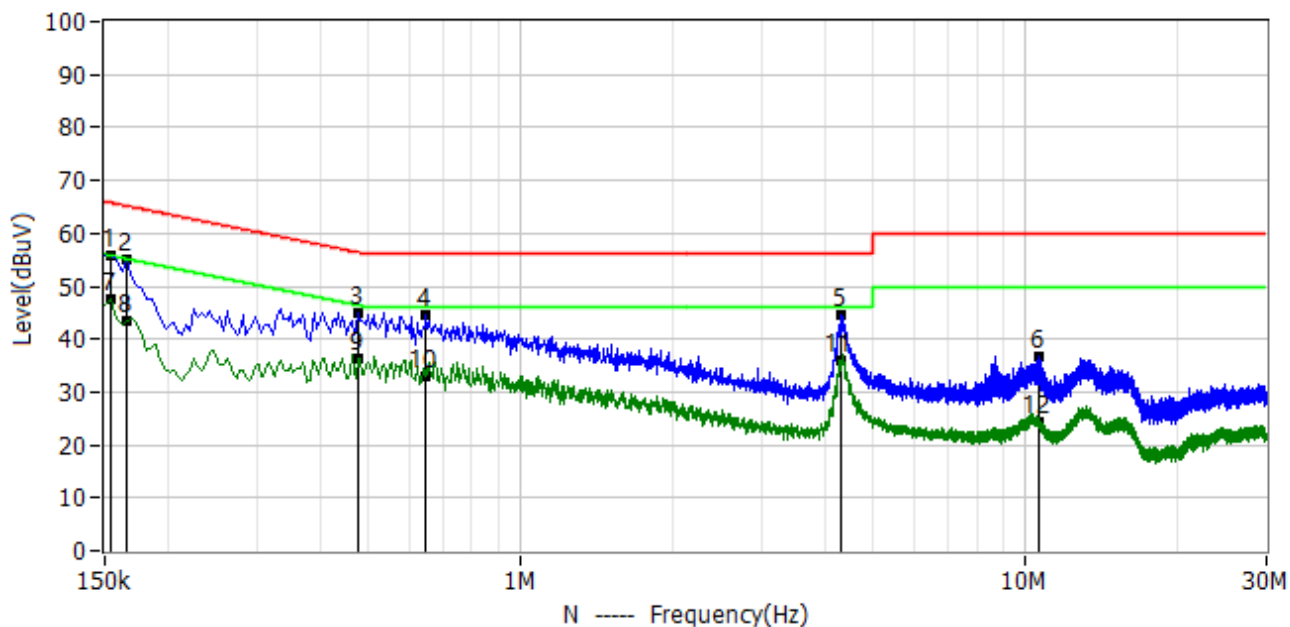
Project: LGT25C081	Test Engineer: LiuH
EUT: Frost-free refrigerator	Temperature: 23.4°C
M/N: HRM260P9TSE	Humidity: 40%RH
Test Voltage: AC 110V/60Hz	Test Data: 2025-05-12
Test Mode: TX 802.11a 5180	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.174	39.88	10.65	50.53	64.77	-14.24	QP	L1
2*	0.298	35.72	10.77	46.49	60.30	-13.81	QP	L1
3*	0.426	34.80	10.88	45.68	57.33	-11.65	QP	L1
4*	0.930	30.54	10.86	41.40	56.00	-14.60	QP	L1
5*	4.346	32.11	11.26	43.37	56.00	-12.63	QP	L1
6*	15.458	26.80	11.73	38.53	60.00	-21.47	QP	L1
7*	0.174	31.85	10.65	42.50	54.80	-12.20	AV	L1
8*	0.298	26.03	10.77	36.80	50.30	-13.50	AV	L1
9*	0.426	25.72	10.88	36.60	47.30	-10.80	AV	L1
10*	0.930	22.84	10.86	33.70	46.00	-12.30	AV	L1
11*	4.346	24.54	11.26	35.80	46.00	-10.20	AV	L1
12*	15.458	16.87	11.73	28.60	50.00	-21.40	AV	L1



Project: LGT25C081	Test Engineer: LiuH
EUT: Frost-free refrigerator	Temperature: 23.4°C
M/N: HRM260P9TSE	Humidity: 40%RH
Test Voltage: AC 110V/60Hz	Test Data: 2025-05-12
Test Mode: TX 802.11a 5180	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.154	45.18	10.70	55.88	65.78	-9.90	QP	N
2*	0.166	44.51	10.64	55.15	65.16	-10.01	QP	N
3*	0.478	34.04	10.83	44.87	56.37	-11.50	QP	N
4*	0.650	33.67	10.86	44.53	56.00	-11.47	QP	N
5*	4.322	33.21	11.29	44.50	56.00	-11.50	QP	N
6*	10.654	25.18	11.52	36.70	60.00	-23.30	QP	N
7*	0.154	36.80	10.70	47.50	55.80	-8.30	AV	N
8*	0.166	32.96	10.64	43.60	55.20	-11.60	AV	N
9*	0.478	25.57	10.83	36.40	46.40	-9.90	AV	N
10*	0.650	21.94	10.86	32.80	46.00	-13.20	AV	N
11*	4.322	24.81	11.29	36.10	46.00	-9.90	AV	N
12*	10.654	12.78	11.52	24.30	50.00	-25.70	AV	N



3.2 RADIATED EMISSION AND (BANDEGE) MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

In case the emission fall within the restricted band specified on 15.407(b)7&15.205/209(a), then the limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	68.2	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15E.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RESTRICTED FREQUENCY BANDS

FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (GHz)
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			

Note: In case the emission radiated emission above 1000MHz fall within the restricted band the restricted frequency bands, the peak limit is 74 dBuV/m.



LIMITS OF EMISSIONS OUTSIDE OF THE FREQUENCY BANDS

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
 - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Note: $\text{dBuV/m(at 3M)} = \text{EIRP(dBm)} + 95.2$.

Peak Limit = $-27\text{dBm/MHz} + 95.2 = 68.2$ dBuV/m.

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak
Start Frequency	1000 MHz(Peak/AV)
Stop Frequency	10th carrier harmonic (Peak/AV)
RB / VB (emission in restricted band)	1 MHz / 1 MHz, AV=1 MHz /3 MHz

For Band edge

Spectrum Parameter	Setting
Detector	Peak
RB / VB (emission in restricted band)	1 MHz / 1 MHz, AV=1 MHz /3 MHz

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2.2 TEST PROCEDURE

- The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- The EUT was placed on the top of a rotating table 0.1 m above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree to determine the position of the highest radiation.
- The height of the equipment shall be 0.1 m; the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarization of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and QuasiPeak detector mode will be re-measured.
- If the Peak Mode measured value is compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and no additional QP Mode measurement was performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

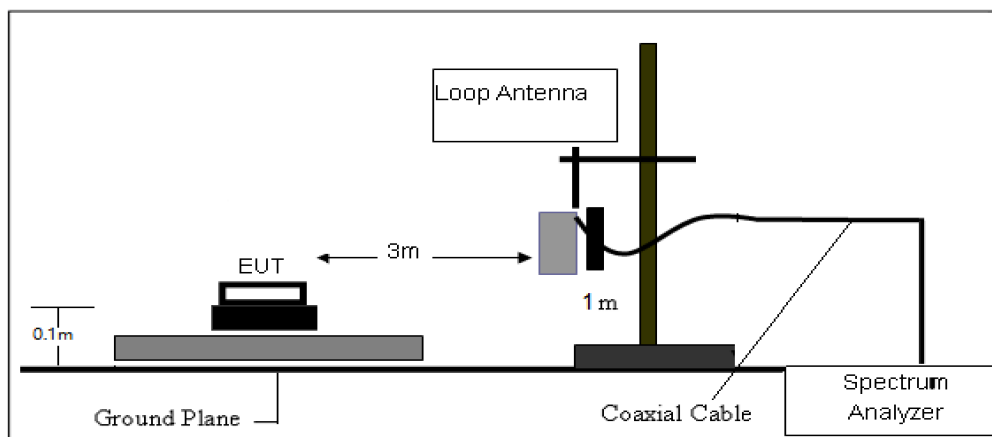
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

3.2.2 DEVIATION FROM TEST STANDARD

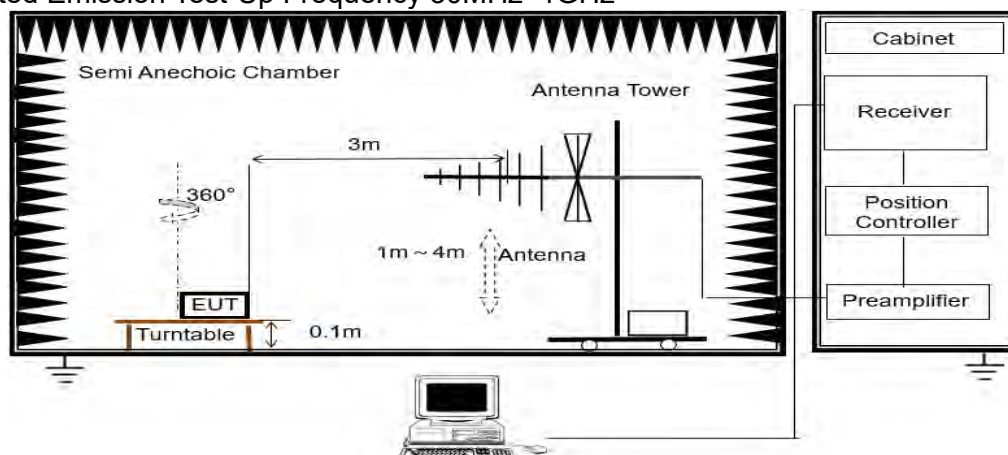
No deviation

3.2.3 TEST SETUP

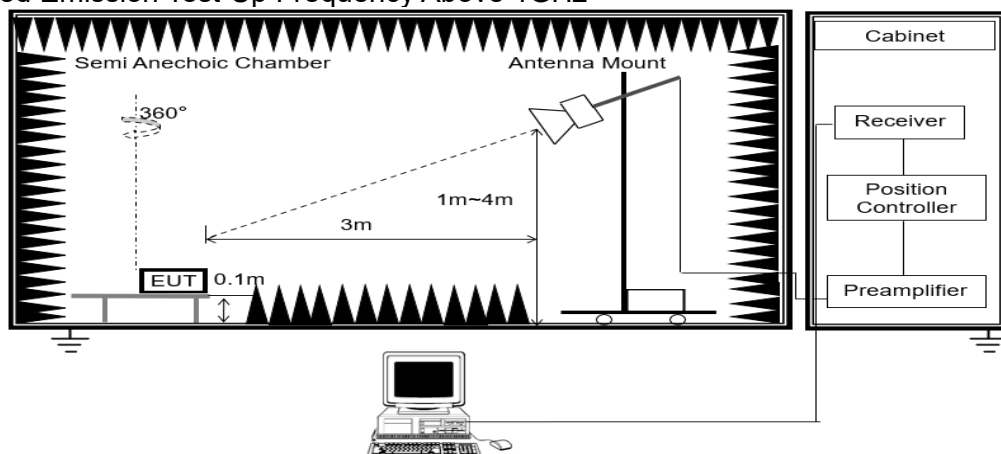
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz





3.2.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.5 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where

FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

For example

Frequency	FS	RA	AF	CL	AG	Factor
(MHz)	(dBμV/m)	(dBμV/m)	(dB)	(dB)	(dB)	(dB)
300	40	58.1	12.2	1.6	31.9	-18.1

$$\text{Factor} = \text{AF} + \text{CL} - \text{AG}$$



3.2.6 TEST RESULTS

Results of Radiated Emissions (9 KHz~30MHz)

No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Remark
1*	-	-	-	-	-	-	-	See Note

Note:

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

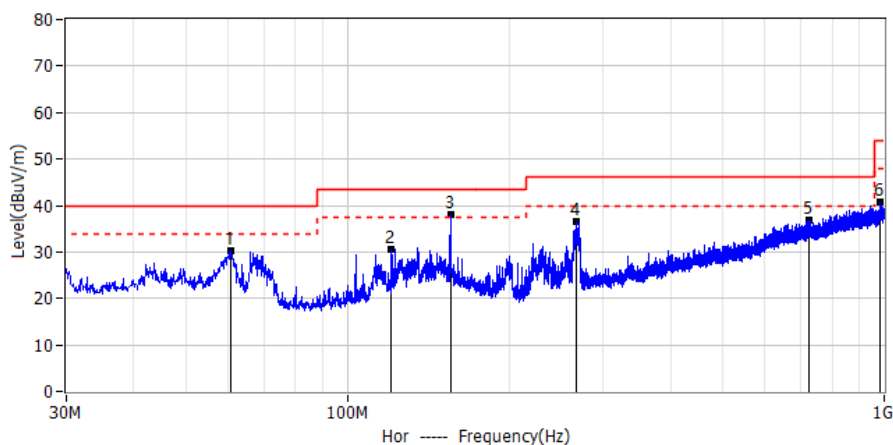
Limit line = specific limits (dBuV) + distance extrapolation factor.



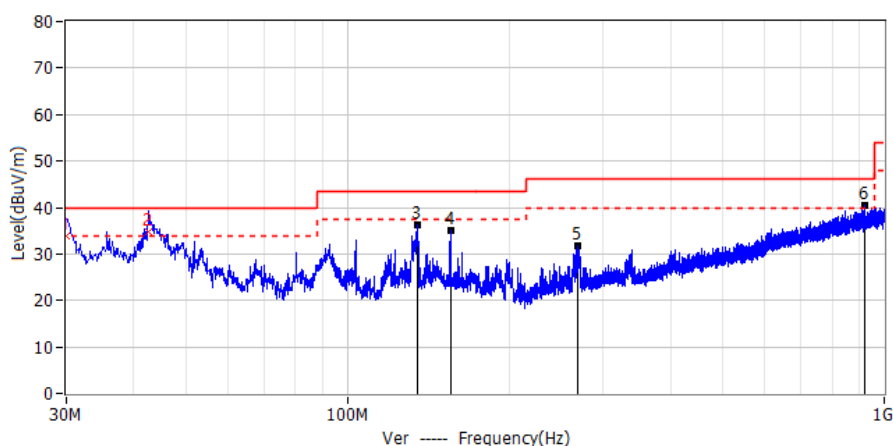
Results of Radiated Emissions (30MHz~1000MHz)

Note:1. All mode has been tested, only shown the worst case data,

Project: LGT25C081	Test Engineer: LiuH
EUT: Frost-free refrigerator	Temperature: 25.1°C
M/N: HRM260P9TSE	Humidity: 50%RH
Test Voltage: AC 110V/60Hz	Test Data: 2025-05-12
Test Mode: TX 802.11a 5180(ANT1)	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	60.798	10.48	19.72	30.20	40.00	-9.80	QP	Hor
2*	120.453	11.03	19.65	30.68	43.50	-12.82	QP	Hor
3*	155.736	15.97	22.03	38.00	43.50	-5.50	QP	Hor
4*	267.165	15.92	20.51	36.43	46.00	-9.57	QP	Hor
5*	724.520	4.94	31.83	36.77	46.00	-9.23	QP	Hor
6*	979.509	5.55	35.09	40.64	54.00	-13.36	QP	Hor



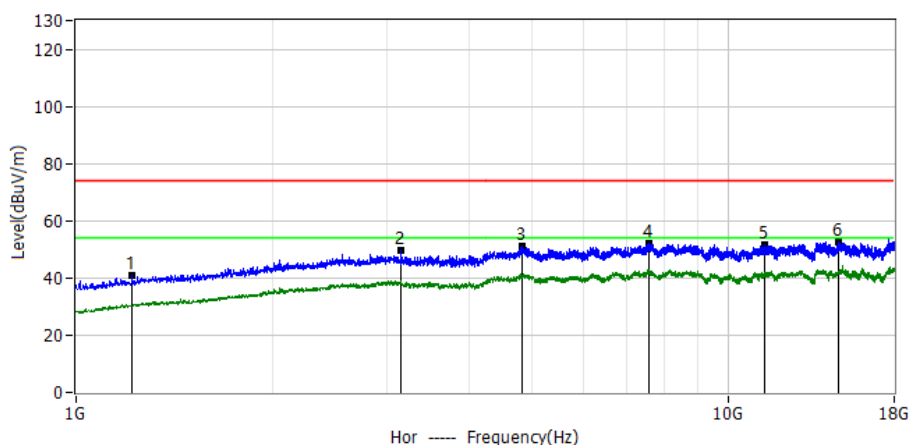
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1	30.031	14.33	19.50	33.83	40.00	-6.17	QP	Ver
2	42.570	13.76	20.90	34.66	40.00	-5.34	QP	Ver
3*	135.366	15.22	21.06	36.28	43.50	-7.22	QP	Ver
4*	155.736	12.96	22.03	34.99	43.50	-8.51	QP	Ver
5*	269.105	11.21	20.55	31.76	46.00	-14.24	QP	Ver
6*	918.884	5.90	34.51	40.41	46.00	-5.59	QP	Ver



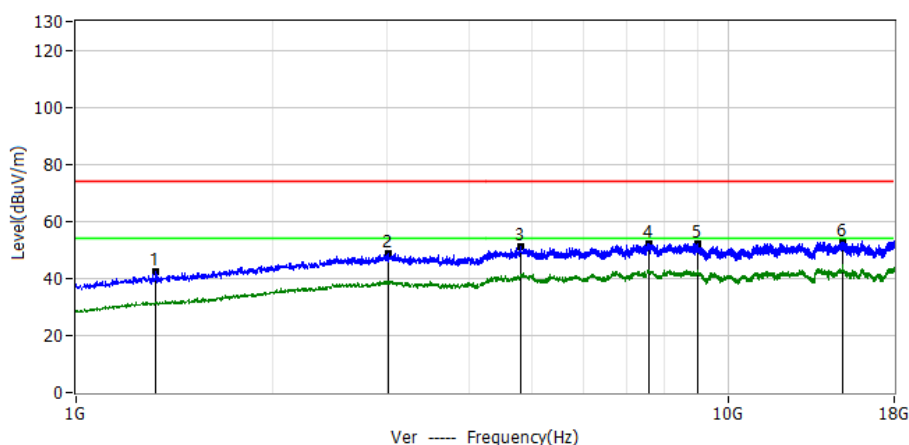
Results of Radiated Emissions (Above 1000MHz)

Note: 1. All mode has been tested, only shown the worst case data,
2. The peak value is less than the AV limit, so no AV data is displayed.

Project: LGT25C081	Test Engineer: LiuH
EUT: Frost-free refrigerator	Temperature: 25°C
M/N: HRM260P9TSE	Humidity: 55%RH
Test Voltage: AC 110V/60Hz	Test Data: 2025-05-17
Test Mode: 802.11a 5180(ANT1)	
Note:	



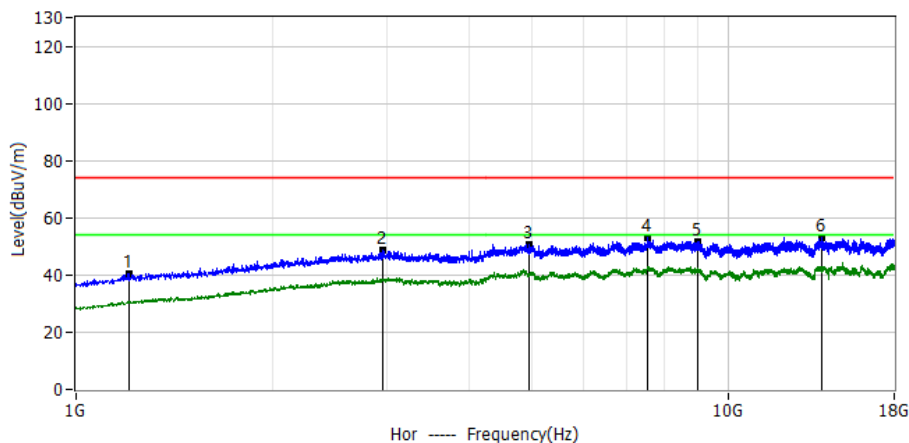
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1218.9000	63.69	-22.95	40.74	74.00	-33.26	PK	Hor
2*	3150.5000	57.86	-8.18	49.68	74.00	-24.32	PK	Hor
3*	4837.7000	57.08	-5.88	51.20	74.00	-22.80	PK	Hor
4*	7551.4000	59.14	-7.09	52.05	74.00	-21.95	PK	Hor
5*	11412.5000	56.73	-5.03	51.70	74.00	-22.30	PK	Hor
6*	14772.1000	57.76	-4.95	52.81	74.00	-21.19	PK	Hor



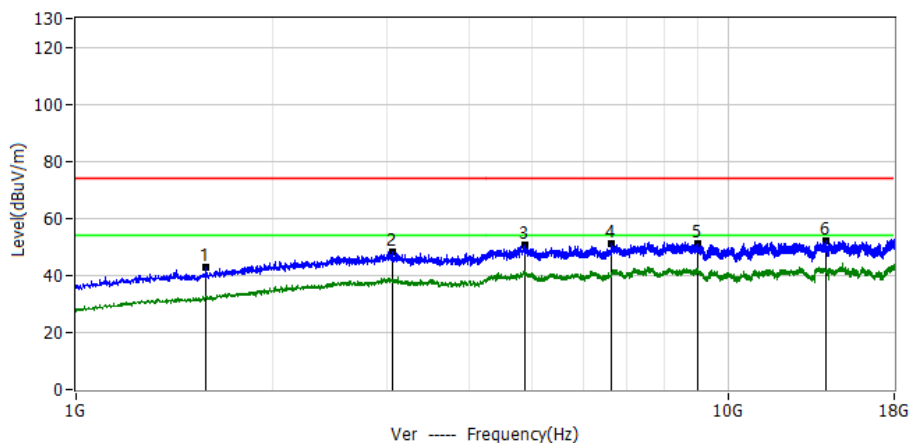
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1323.0000	64.33	-21.91	42.42	74.00	-31.58	PK	Ver
2*	3012.4000	56.92	-8.12	48.80	74.00	-25.20	PK	Ver
3*	4818.6000	57.01	-5.86	51.15	74.00	-22.85	PK	Ver
4*	7570.5000	59.35	-7.13	52.22	74.00	-21.78	PK	Ver
5*	8977.2000	59.17	-7.02	52.15	74.00	-21.85	PK	Ver
6*	14980.4000	56.68	-3.89	52.79	74.00	-21.21	PK	Ver



Project: LGT25C081	Test Engineer: LiuH
EUT: Frost-free refrigerator	Temperature: 25°C
M/N: HRM260P9TSE	Humidity: 55%RH
Test Voltage: AC 110V/60Hz	Test Data: 2025-05-17
Test Mode: 802.11a 5200(ANT1)	
Note:	



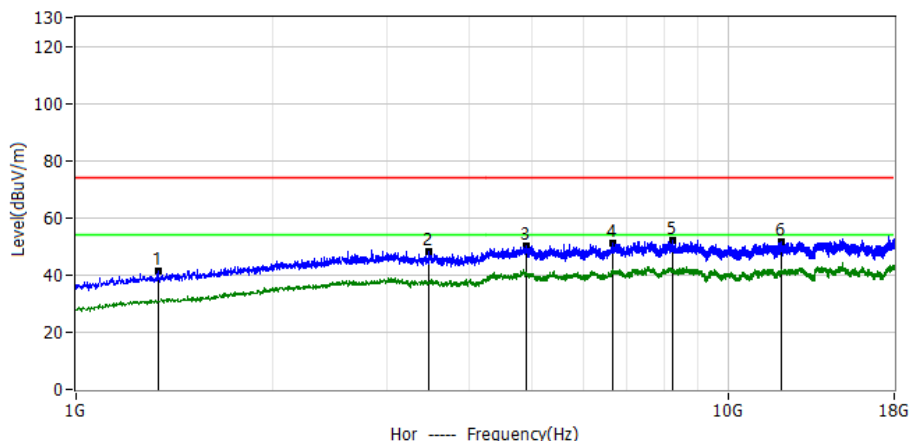
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1206.1000	63.73	-23.08	40.65	74.00	-33.35	PK	Hor
2*	2957.1000	57.13	-8.29	48.84	74.00	-25.16	PK	Hor
3*	4950.4000	56.82	-5.97	50.85	74.00	-23.15	PK	Hor
4*	7530.1000	60.21	-7.05	53.16	74.00	-20.84	PK	Hor
5*	8992.1000	58.73	-7.01	51.72	74.00	-22.28	PK	Hor
6*	13915.7000	57.22	-4.24	52.98	74.00	-21.02	PK	Hor



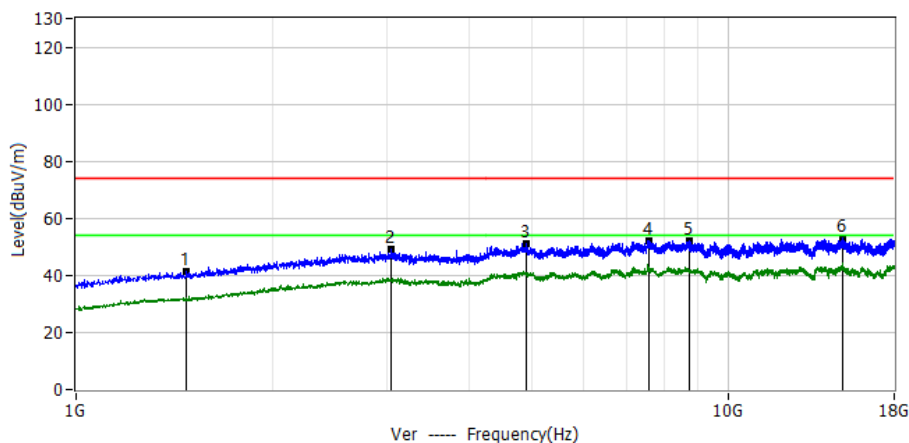
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1584.4000	62.53	-19.67	42.86	74.00	-31.14	PK	Ver
2*	3052.7000	56.29	-8.14	48.15	74.00	-25.85	PK	Ver
3*	4888.7000	56.34	-5.92	50.42	74.00	-23.58	PK	Ver
4*	6637.6000	58.34	-7.38	50.96	74.00	-23.04	PK	Ver
5*	8985.7000	58.31	-7.01	51.30	74.00	-22.70	PK	Ver
6*	14134.6000	56.61	-4.56	52.05	74.00	-21.95	PK	Ver



Project: LGT25C081	Test Engineer: LiuH
EUT: Frost-free refrigerator	Temperature: 25°C
M/N: HRM260P9TSE	Humidity: 55%RH
Test Voltage: AC 110V/60Hz	Test Data: 2025-05-17
Test Mode: 802.11a 5240(ANT1)	
Note:	



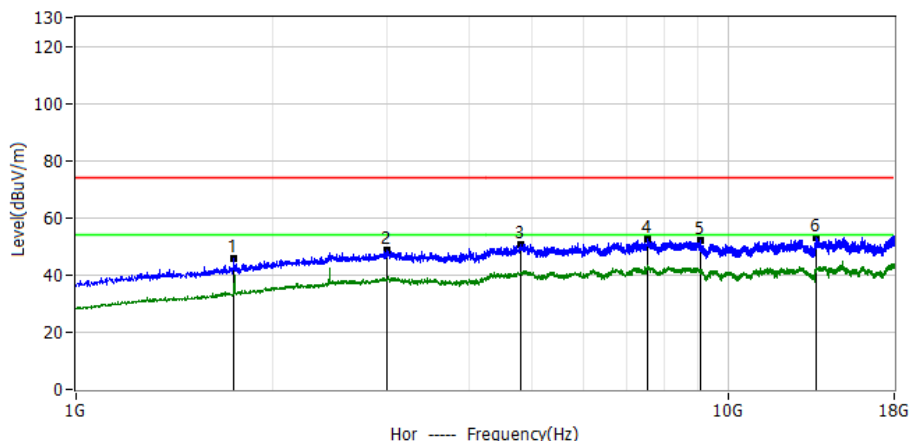
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1335.7000	63.00	-21.79	41.21	74.00	-32.79	PK	Hor
2*	3475.6000	56.53	-8.30	48.23	74.00	-25.77	PK	Hor
3*	4916.4000	56.13	-5.94	50.19	74.00	-23.81	PK	Hor
4*	6652.5000	58.65	-7.37	51.28	74.00	-22.72	PK	Hor
5*	8233.5000	59.84	-7.75	52.09	74.00	-21.91	PK	Hor
6*	12103.1000	56.37	-4.92	51.45	74.00	-22.55	PK	Hor



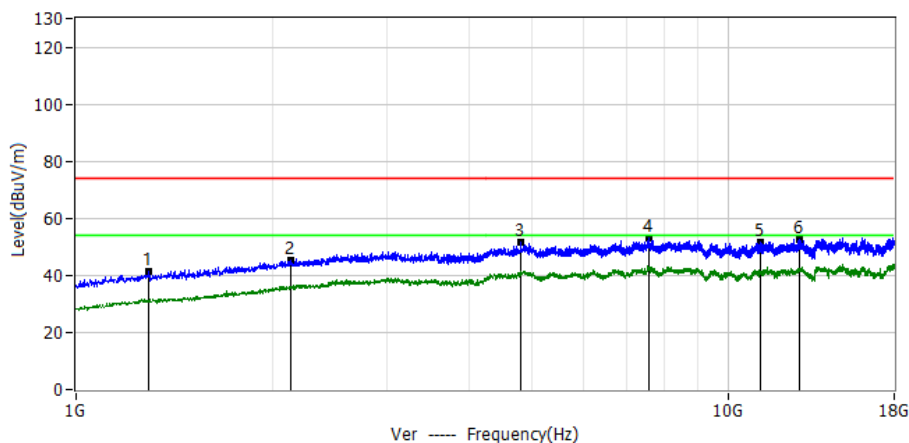
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1478.1000	61.74	-20.56	41.18	74.00	-32.82	PK	Ver
2*	3035.7000	57.32	-8.13	49.19	74.00	-24.81	PK	Ver
3*	4907.9000	57.05	-5.93	51.12	74.00	-22.88	PK	Ver
4*	7568.4000	59.06	-7.13	51.93	74.00	-22.07	PK	Ver
5*	8711.6000	59.46	-7.28	52.18	74.00	-21.82	PK	Ver
6*	14974.0000	56.80	-3.92	52.88	74.00	-21.12	PK	Ver



Project: LGT25C081	Test Engineer: LiuH
EUT: Frost-free refrigerator	Temperature: 25°C
M/N: HRM260P9TSE	Humidity: 55%RH
Test Voltage: AC 110V/60Hz	Test Data: 2025-05-17
Test Mode: 802.11a 5745(ANT1)	
Note:	



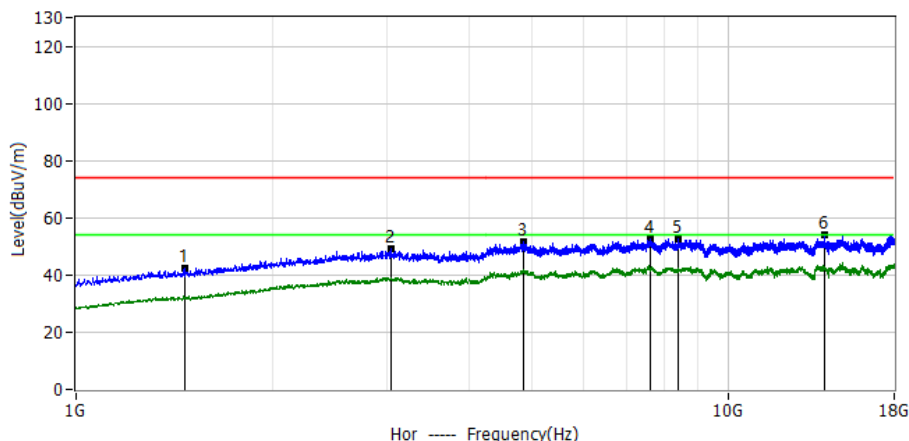
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1748.0000	63.58	-17.81	45.77	74.00	-28.23	PK	Hor
2*	3003.9000	56.60	-8.12	48.48	74.00	-25.52	PK	Hor
3*	4808.0000	56.69	-5.85	50.84	74.00	-23.16	PK	Hor
4*	7530.1000	59.53	-7.05	52.48	74.00	-21.52	PK	Hor
5*	9087.7000	58.94	-7.03	51.91	74.00	-22.09	PK	Hor
6*	13673.5000	58.33	-5.20	53.13	74.00	-20.87	PK	Hor



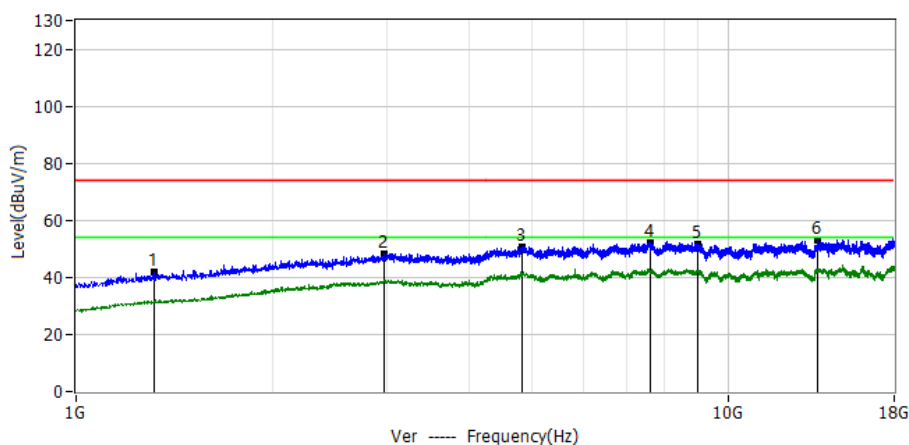
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1293.2000	63.52	-22.21	41.31	74.00	-32.69	PK	Ver
2*	2134.7000	58.66	-13.52	45.14	74.00	-28.86	PK	Ver
3*	4808.0000	57.48	-5.85	51.63	74.00	-22.37	PK	Ver
4*	7570.5000	60.14	-7.13	53.01	74.00	-20.99	PK	Ver
5*	11223.4000	56.61	-5.06	51.55	74.00	-22.45	PK	Ver
6*	12900.0000	57.43	-4.88	52.55	74.00	-21.45	PK	Ver



Project: LGT25C081	Test Engineer: LiuH
EUT: Frost-free refrigerator	Temperature: 25°C
M/N: HRM260P9TSE	Humidity: 55%RH
Test Voltage: AC 110V/60Hz	Test Data: 2025-05-17
Test Mode: 802.11a 5785(ANT1)	
Note:	



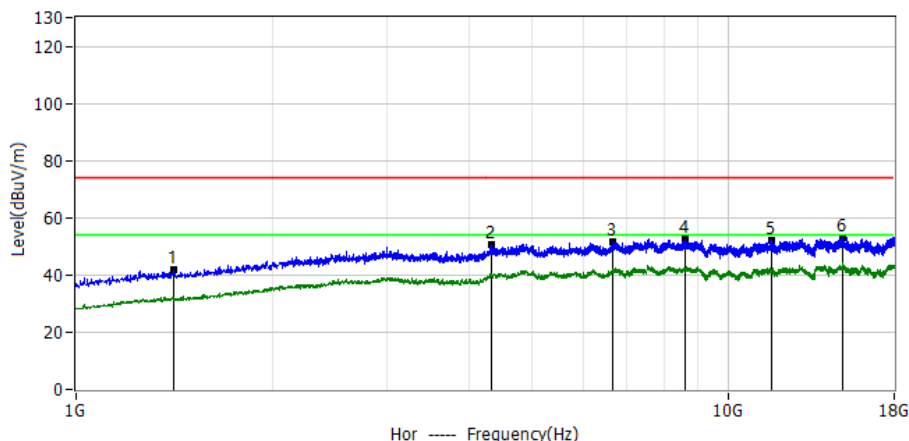
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1465.4000	62.88	-20.66	42.22	74.00	-31.78	PK	Hor
2*	3044.2000	57.50	-8.14	49.36	74.00	-24.64	PK	Hor
3*	4854.7000	57.66	-5.89	51.77	74.00	-22.23	PK	Hor
4*	7593.9000	59.72	-7.18	52.54	74.00	-21.46	PK	Hor
5*	8403.5000	59.95	-7.58	52.37	74.00	-21.63	PK	Hor
6*	14098.5000	58.27	-4.38	53.89	74.00	-20.11	PK	Hor



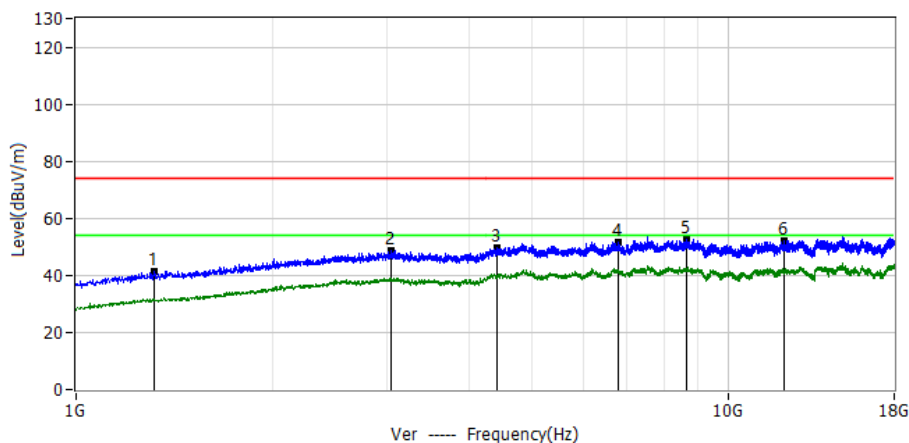
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1318.7000	64.07	-21.96	42.11	74.00	-31.89	PK	Ver
2*	2965.6000	56.36	-8.26	48.10	74.00	-25.90	PK	Ver
3*	4842.0000	56.74	-5.88	50.86	74.00	-23.14	PK	Ver
4*	7606.6000	59.12	-7.20	51.92	74.00	-22.08	PK	Ver
5*	8977.2000	58.70	-7.02	51.68	74.00	-22.32	PK	Ver
6*	13705.4000	57.93	-5.07	52.86	74.00	-21.14	PK	Ver



Project: LGT25C081	Test Engineer: LiuH
EUT: Frost-free refrigerator	Temperature: 25°C
M/N: HRM260P9TSE	Humidity: 55%RH
Test Voltage: AC 110V/60Hz	Test Data: 2025-05-17
Test Mode: 802.11a 5825(ANT1)	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1412.2000	63.13	-21.05	42.08	74.00	-31.92	PK	Hor
2*	4346.9000	56.73	-6.24	50.49	74.00	-23.51	PK	Hor
3*	6669.5000	58.99	-7.36	51.63	74.00	-22.37	PK	Hor
4*	8579.9000	60.10	-7.41	52.69	74.00	-21.31	PK	Hor
5*	11684.5000	57.18	-4.98	52.20	74.00	-21.80	PK	Hor
6*	14978.2000	57.08	-3.90	53.18	74.00	-20.82	PK	Hor



No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1314.5000	63.33	-22.00	41.33	74.00	-32.67	PK	Ver
2*	3040.0000	56.87	-8.13	48.74	74.00	-25.26	PK	Ver
3*	4419.1000	55.76	-5.94	49.82	74.00	-24.18	PK	Ver
4*	6794.9000	59.08	-7.26	51.82	74.00	-22.18	PK	Ver
5*	8645.7000	59.91	-7.35	52.56	74.00	-21.44	PK	Ver
6*	12177.5000	57.21	-4.92	52.29	74.00	-21.71	PK	Ver

Remark:

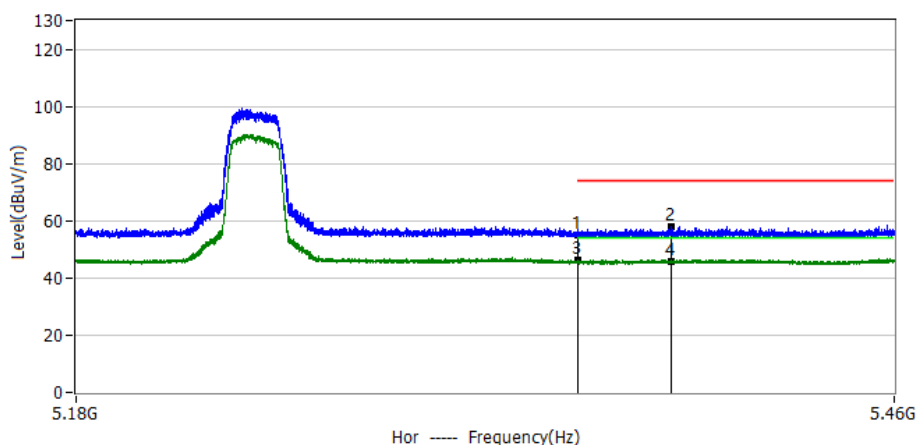
In frequency ranges 18~40GHz no any other harmonic emissions detected which are tested to compliance with the limit. No recording in the test report. No any other emissions level which are attenuated less than 20dB below the limit. No recording in the test report.



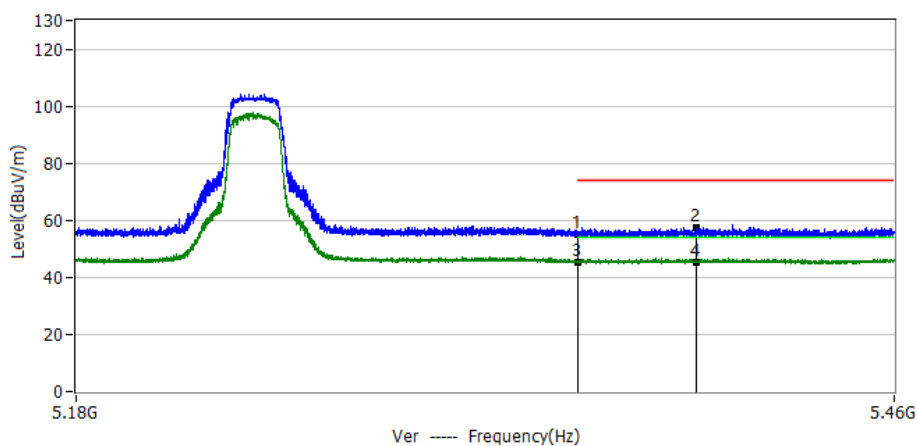
3.2.7 TEST RESULTS(Band edge Requirements)

Note:1. All mode has been tested, only shown the worst case data,
2. The peak value is less than the AV limit, so no AV data is displayed.

Project: LGT25C081	Test Engineer: LiuH
EUT: Frost-free refrigerator	Temperature: 25°C
M/N: HRM260P9TSE	Humidity: 55%RH
Test Voltage: AC 110V/60Hz	Test Data: 2025-05-17
Test Mode: 802.11a 5180(ANT1)	
Note:	



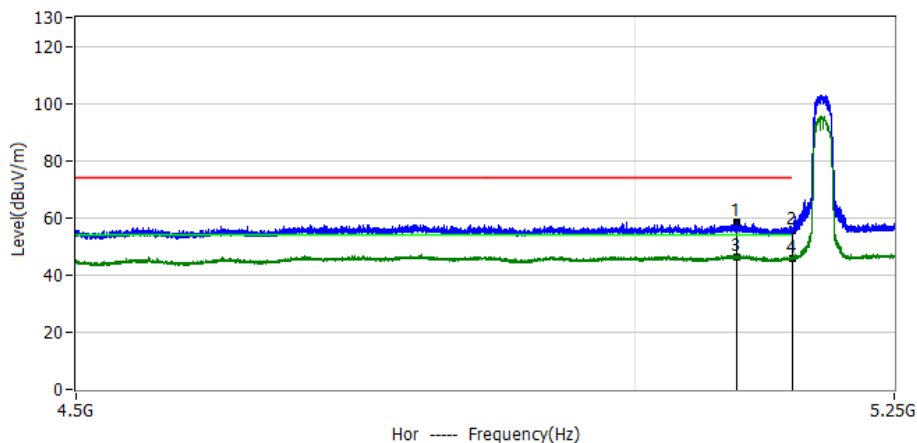
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5350.000	58.16	-3.26	54.90	74.00	-19.10	PK	Hor
2*	5382.000	61.14	-3.20	57.94	74.00	-16.06	PK	Hor
3*	5350.000	49.36	-3.26	46.10	54.00	-7.90	AV	Hor
4*	5382.000	48.90	-3.20	45.70	54.00	-8.30	AV	Hor



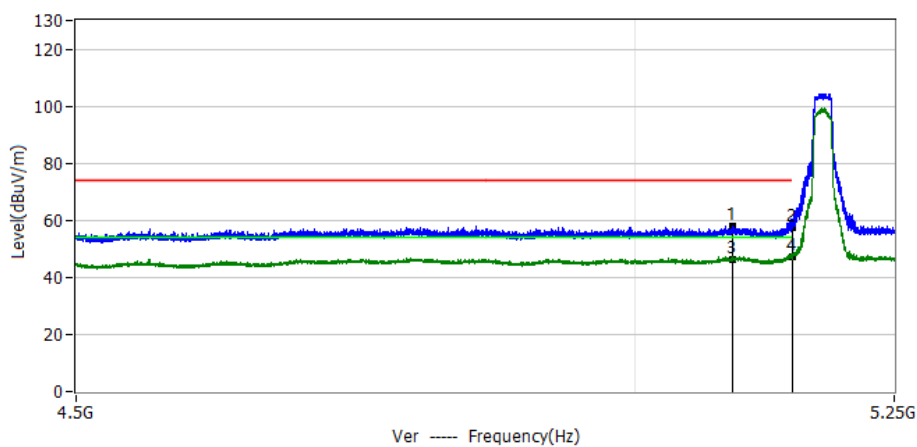
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5350.000	58.26	-3.26	55.00	74.00	-19.00	PK	Ver
2*	5391.000	60.74	-3.19	57.55	74.00	-16.45	PK	Ver
3*	5350.000	48.76	-3.26	45.50	54.00	-8.50	AV	Ver
4*	5391.000	48.69	-3.19	45.50	54.00	-8.50	AV	Ver



Project: LGT25C081	Test Engineer: LiuH
EUT: Frost-free refrigerator	Temperature: 25°C
M/N: HRM260P9TSE	Humidity: 55%RH
Test Voltage: AC 110V/60Hz	Test Data: 2025-05-17
Test Mode: 802.11a 5240(ANT1)	
Note:	



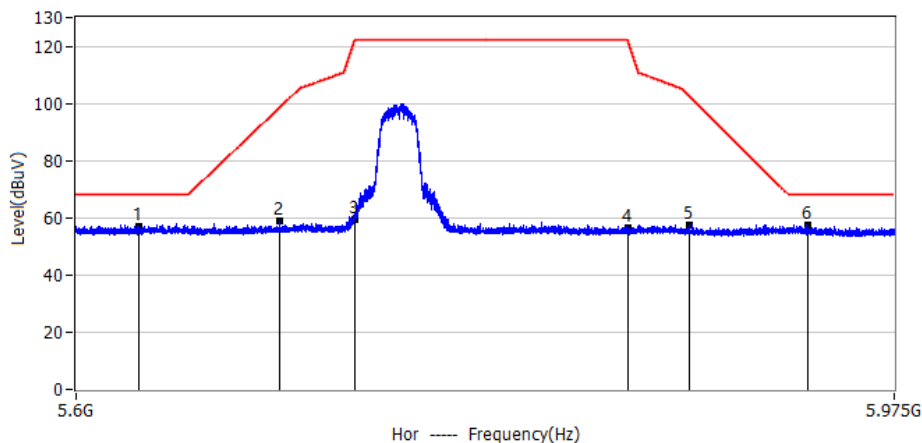
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5096.000	60.73	-2.37	58.36	74.00	-15.64	PK	Hor
2*	5150.000	58.28	-2.58	55.70	74.00	-18.30	PK	Hor
3*	5096.000	48.57	-2.37	46.20	54.00	-7.80	AV	Hor
4*	5150.000	48.38	-2.58	45.80	54.00	-8.20	AV	Hor



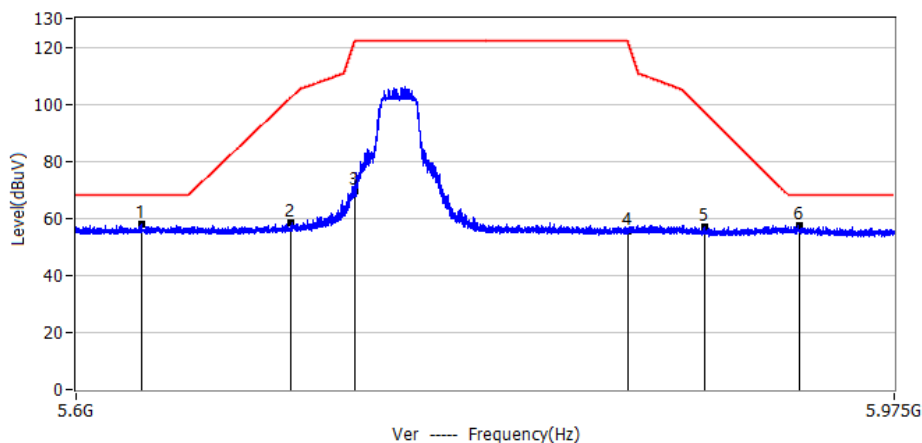
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	5092.000	60.53	-2.38	58.15	74.00	-15.85	PK	Ver
2*	5150.000	59.98	-2.58	57.40	74.00	-16.60	PK	Ver
3*	5092.000	48.78	-2.38	46.40	54.00	-7.60	AV	Ver
4*	5150.000	49.88	-2.58	47.30	54.00	-6.70	AV	Ver



Project: LGT25C081	Test Engineer: LiuH
EUT: Frost-free refrigerator	Temperature: 25°C
M/N: HRM260P9TSE	Humidity: 55%RH
Test Voltage: AC 110V/60Hz	Test Data: 2025-05-17
Test Mode: 802.11a 5745(ANT1)	
Note:	



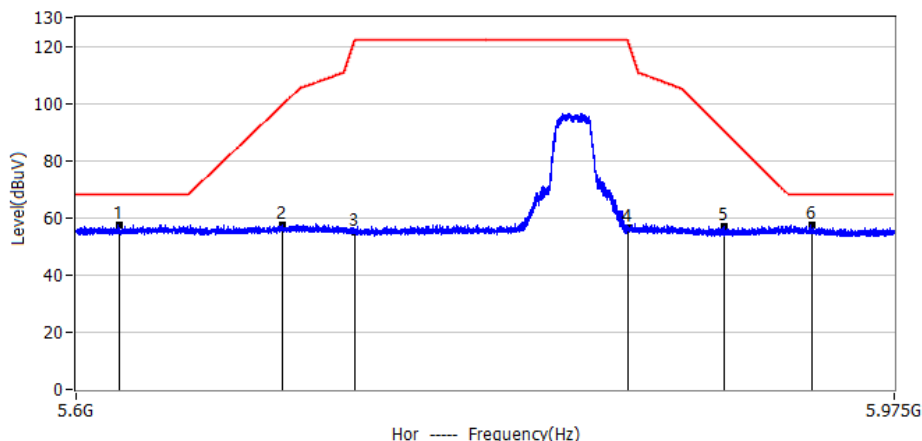
No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	5628.000	60.31	-3.14	57.17	68.20	-11.03	PK	Hor
2*	5691.000	62.00	-3.27	58.73	98.38	-39.65	PK	Hor
3*	5725.000	62.72	-3.42	59.30	122.20	-62.90	PK	Hor
4*	5850.000	59.79	-3.39	56.40	122.20	-65.80	PK	Hor
5*	5879.000	60.85	-3.31	57.54	102.47	-44.93	PK	Hor
6*	5934.000	60.80	-3.43	57.37	68.20	-10.83	PK	Hor



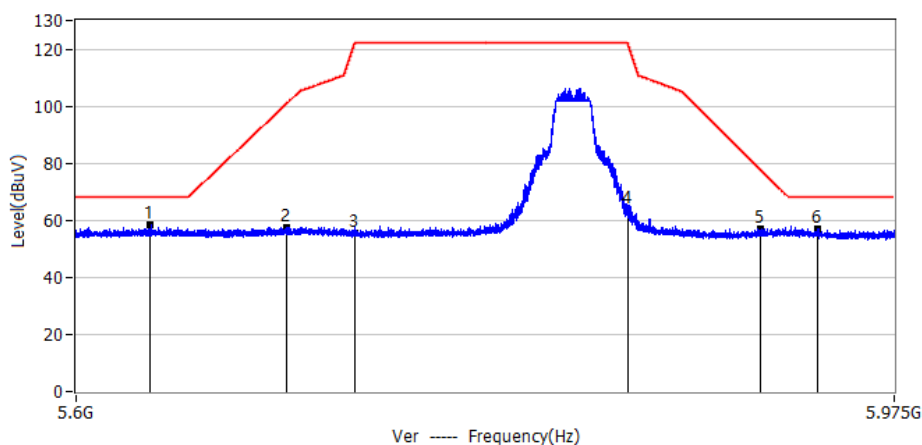
No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	5629.000	61.28	-3.14	58.14	68.20	-10.06	PK	Ver
2*	5696.000	61.66	-3.28	58.38	102.53	-44.15	PK	Ver
3*	5725.000	72.92	-3.42	69.50	122.20	-52.70	PK	Ver
4*	5850.000	58.99	-3.39	55.60	122.20	-66.60	PK	Ver
5*	5886.000	60.35	-3.29	57.06	97.29	-40.22	PK	Ver
6*	5930.000	60.64	-3.41	57.23	68.20	-10.97	PK	Ver



Project: LGT25C081	Test Engineer: LiuH
EUT: Frost-free refrigerator	Temperature: 25°C
M/N: HRM260P9TSE	Humidity: 55%RH
Test Voltage: AC 110V/60Hz	Test Data: 2025-05-17
Test Mode: 802.11a 5825(ANT1)	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	5619.000	60.76	-3.11	57.65	68.20	-10.55	PK	Hor
2*	5692.000	60.90	-3.27	57.63	99.52	-41.89	PK	Hor
3*	5725.000	58.22	-3.42	54.80	122.20	-67.40	PK	Hor
4*	5850.000	59.89	-3.39	56.50	122.20	-65.70	PK	Hor
5*	5895.000	60.28	-3.27	57.01	90.41	-33.40	PK	Hor
6*	5936.000	60.68	-3.44	57.24	68.20	-10.96	PK	Hor



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	5633.000	61.35	-3.16	58.19	68.20	-10.01	PK	Ver
2*	5694.000	60.81	-3.27	57.54	100.94	-43.40	PK	Ver
3*	5725.000	58.82	-3.42	55.40	122.20	-66.80	PK	Ver
4*	5850.000	67.39	-3.39	64.00	122.20	-58.20	PK	Ver
5*	5912.000	60.42	-3.32	57.10	77.55	-20.45	PK	Ver
6*	5939.000	60.64	-3.46	57.18	68.20	-11.02	PK	Ver



4. POWER SPECTRAL DENSITY TEST

4.1 LIMIT

1. For mobile and portable client devices in the 5.15-5.25 GHz band, , the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
3. For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm in any 500KHz band. If transmitting antenna directional gain is greater than 6 dBi, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.2 TEST PROCEDURE

1. The setting follows Method SA-1 of FCC KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.

For devices operating in the band, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (*i.e.*, 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.I.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10 \log (500\text{kHz}/RBW)$ to the measured result, whereas $RBW (< 500 \text{ kHz})$ is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10 \log (1\text{MHz}/RBW)$ to the measured result, whereas $RBW (< 1 \text{ MHz})$ is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections 5.c) and 5.d) above, since $RBW=100 \text{ KHz}$ is available on nearly all spectrum analyzers.

4.3 DEVIATION FROM STANDARD

No deviation.



4.4 TEST SETUP



4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

4.6 TEST RESULTS

For the measurement records, refer to the appendix I.



5. BANDWIDTH MEASUREMENT

5.1 EMISSION BANDWIDTH (EBW) 26 BANDWID PROCEDURES / LIMIT

The following procedure shall be used for measuring 26 bandwidth.

5.1.1 TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW $\geq$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 TEST RESULTS

For the measurement records, refer to the appendix I.



5.2 OCCUPIED BANDWIDTH (99%) TEST APPLIED PROCEDURES / LIMIT

The following procedure shall be used for measuring (99 %) power bandwidth.

5.2.1 TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures v02r01.

The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

5.2.2 DEVIATION FROM STANDARD

No deviation.

5.2.3 TEST SETUP



5.2.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.2.5 TEST RESULTS

For the measurement records, refer to the appendix I.



5.3 MINIMUM EMISSION BANDWIDTH(6 DB) PROCEDURES / LIMIT

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth.

5.3.1 TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures v02r01.

a) Set RBW = 100 kHz.

b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.

c) Detector = Peak.

d) Trace mode = max hold.

e) Sweep = auto couple.

f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.3.2 DEVIATION FROM STANDARD

No deviation.

5.3.3 TEST SETUP



5.3.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.3.5 TEST RESULTS

For the measurement records, refer to the appendix I.



6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 LIMIT

For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz, If transmitting antennas of directional gain greater than 6 dBi are used.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used.

FCC Part15 (15.407) , Subpart E				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.407(a) (1) (iv)	Output Power	0.25 watt	5150-5250	PASS
		The lesser of 250 mW or 11 dBm + 10 log (26 dB emission bandwidth)	5250-5350 5470-5725	
15.407(a) (3)		1 watt	5725-5825	

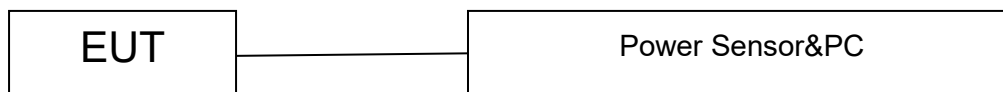
6.2 TEST PROCEDURE

The EUT was directly connected to the Power Sensor&PC.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 5 Unless otherwise a special operating condition is specified in the follows during the testing.

6.6 TEST RESULTS

For the measurement records, refer to the appendix I.



7. AUTOMATICALLY DISCONTINUE TRANSMISSION

7.1 LIMIT OF AUTOMATICALLY DISCONTINUE TRANSMISSION

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

7.2 TEST RESULT OF AUTOMATICALLY DISCONTINUE TRANSMISSION

During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission



8. ANTENNA REQUIREMENT

8.1 STANDARD REQUIREMENT

Part 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.

8.2 EUT ANTENNA

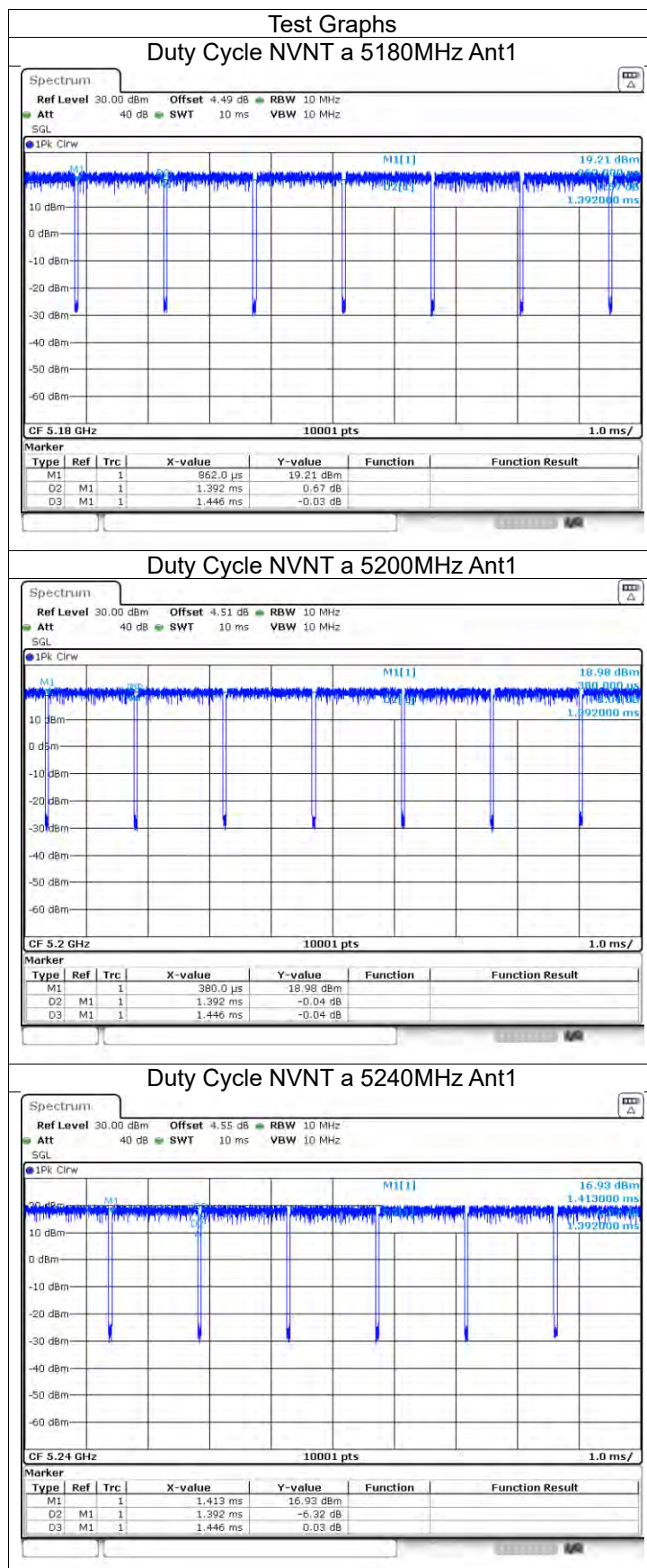
The EUT antenna is Metal Antenna. It comply with the standard requirement.

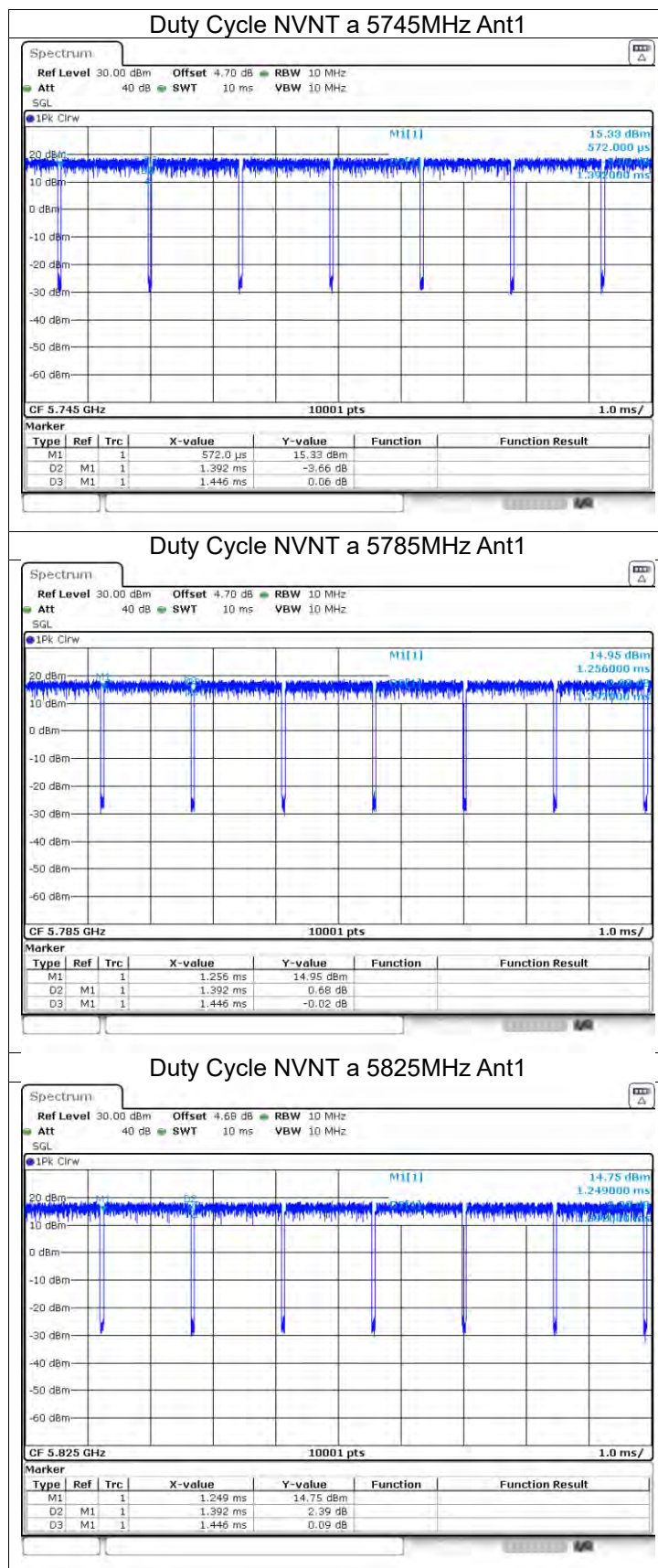


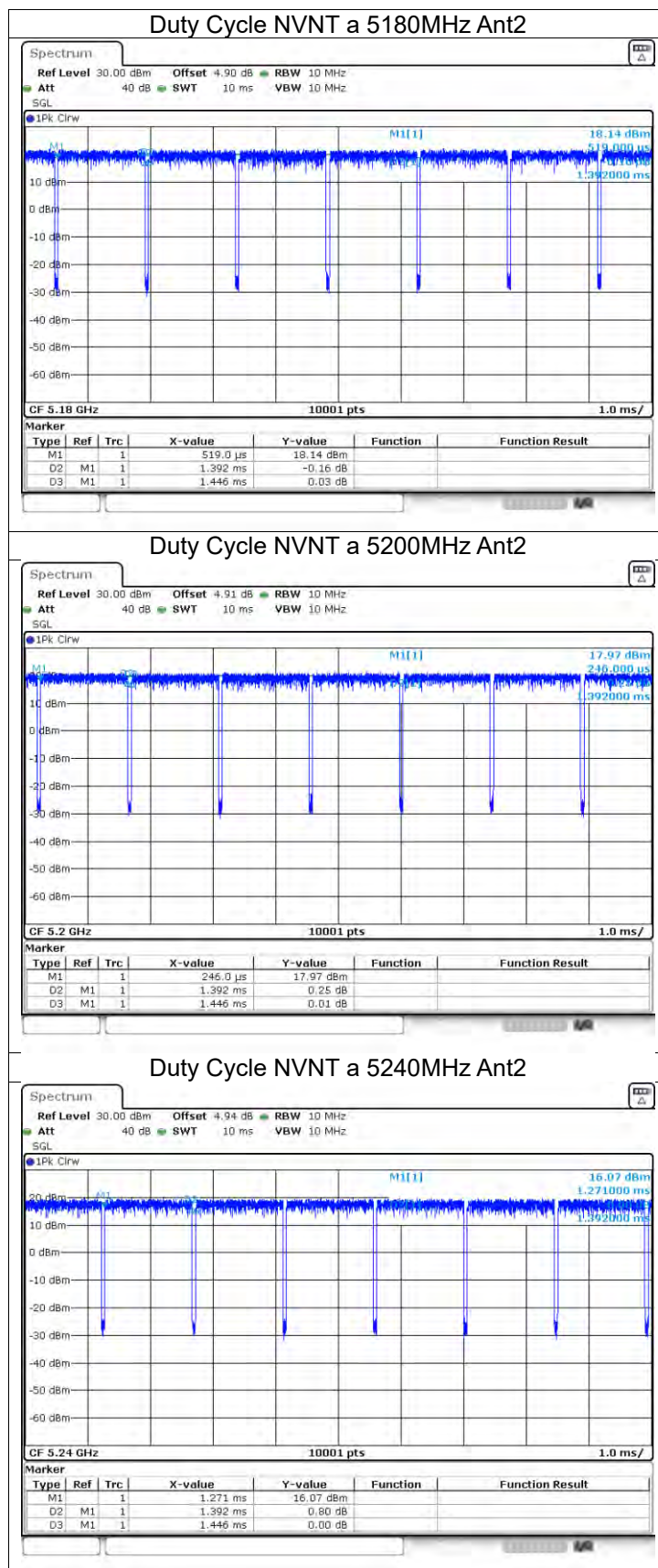
APPENDIX I - TEST RESULTS

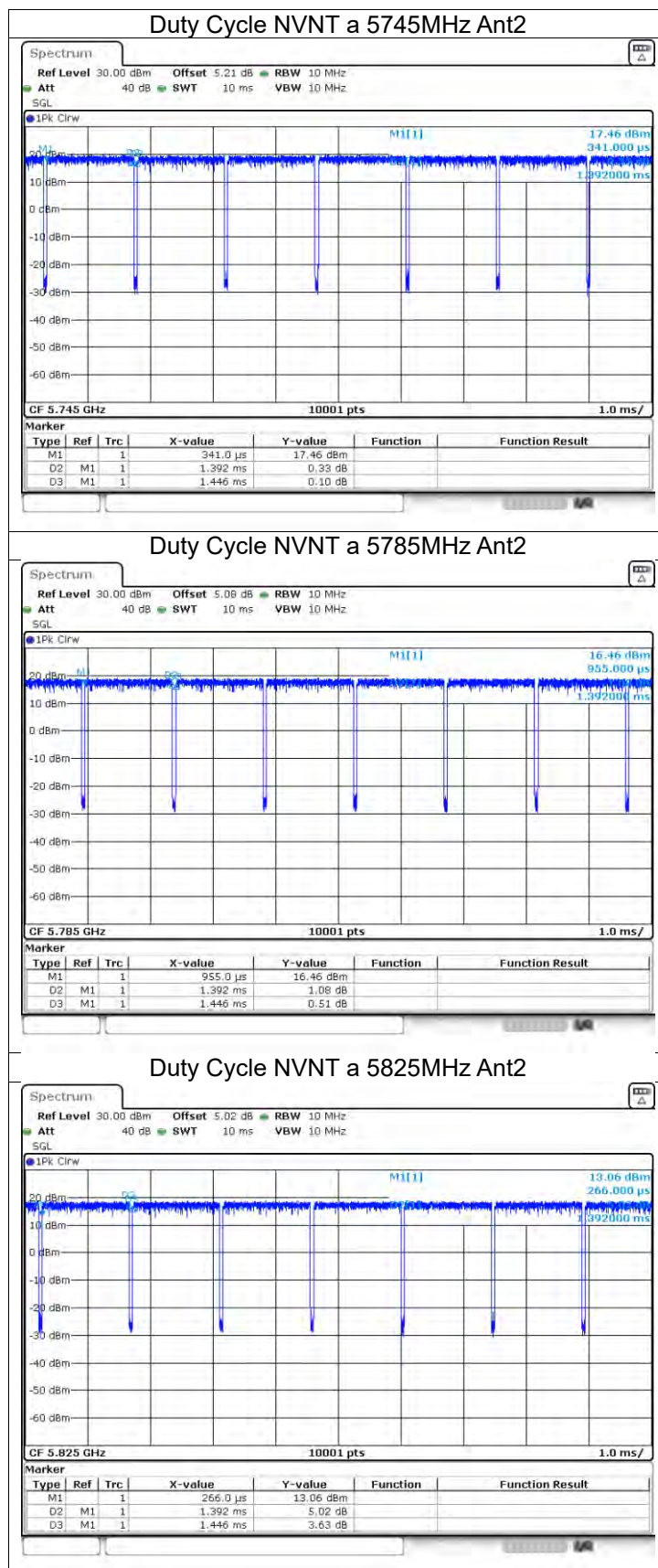
Duty Cycle

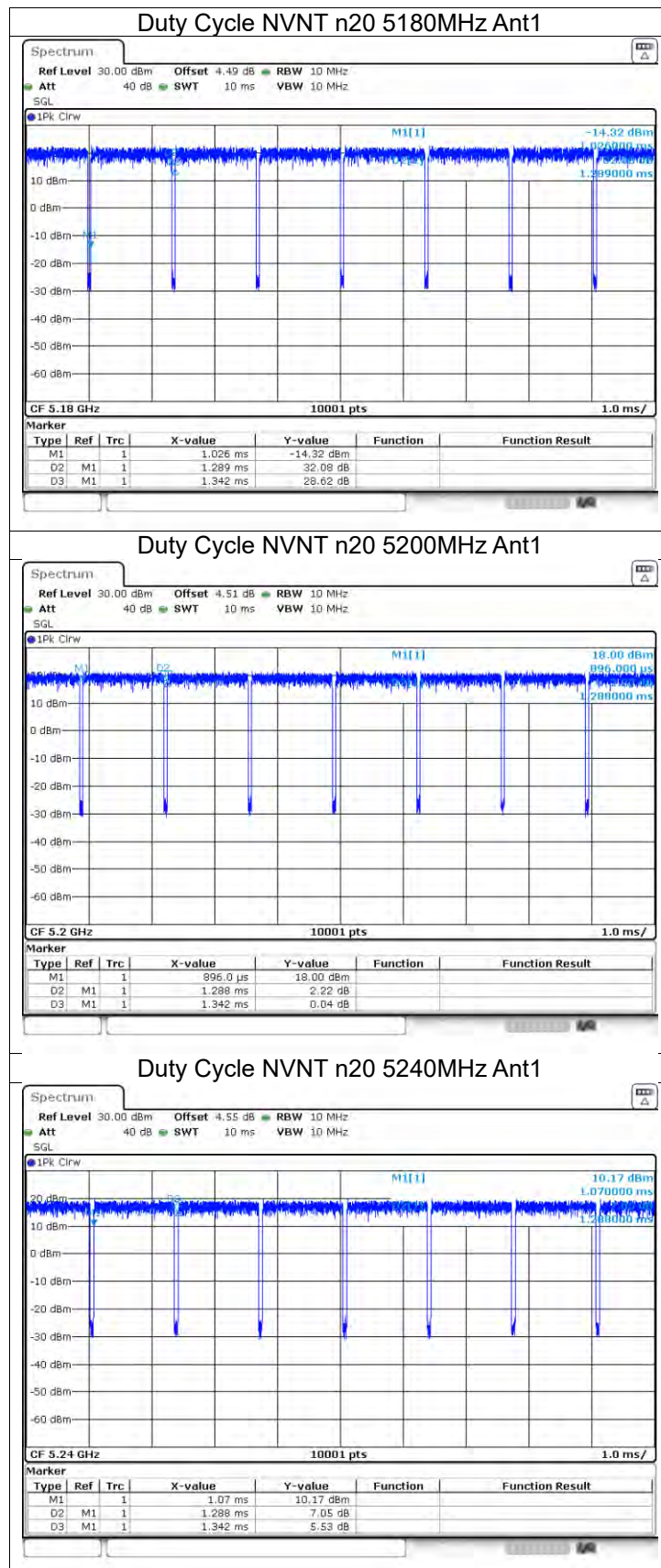
Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	1.392	1.446	96.27	0.17	0.72
NVNT	a	5200	Ant1	1.392	1.446	96.27	0.17	0.72
NVNT	a	5240	Ant1	1.392	1.446	96.27	0.17	0.72
NVNT	a	5745	Ant1	1.392	1.446	96.27	0.17	0.72
NVNT	a	5785	Ant1	1.392	1.446	96.27	0.17	0.72
NVNT	a	5825	Ant1	1.392	1.446	96.27	0.17	0.72
NVNT	a	5180	Ant2	1.392	1.446	96.27	0.17	0.72
NVNT	a	5200	Ant2	1.392	1.446	96.27	0.17	0.72
NVNT	a	5240	Ant2	1.392	1.446	96.27	0.17	0.72
NVNT	a	5745	Ant2	1.392	1.446	96.27	0.17	0.72
NVNT	a	5785	Ant2	1.392	1.446	96.27	0.17	0.72
NVNT	a	5825	Ant2	1.392	1.446	96.27	0.17	0.72
NVNT	n20	5180	Ant1	1.289	1.342	96.05	0.18	0.78
NVNT	n20	5200	Ant1	1.288	1.342	95.98	0.18	0.78
NVNT	n20	5240	Ant1	1.288	1.342	95.98	0.18	0.78
NVNT	n20	5745	Ant1	1.288	1.342	95.98	0.18	0.78
NVNT	n20	5785	Ant1	1.288	1.342	95.98	0.18	0.78
NVNT	n20	5825	Ant1	1.288	1.342	95.98	0.18	0.78
NVNT	n20	5180	Ant2	1.288	1.342	95.98	0.18	0.78
NVNT	n20	5200	Ant2	1.289	1.342	96.05	0.18	0.78
NVNT	n20	5240	Ant2	1.288	1.342	95.98	0.18	0.78
NVNT	n20	5745	Ant2	1.288	1.342	95.98	0.18	0.78
NVNT	n20	5785	Ant2	1.288	1.342	95.98	0.18	0.78
NVNT	n20	5825	Ant2	1.288	1.342	95.98	0.18	0.78
NVNT	n40	5190	Ant1	0.636	0.689	92.31	0.35	1.57
NVNT	n40	5230	Ant1	0.636	0.689	92.31	0.35	1.57
NVNT	n40	5755	Ant1	0.636	0.689	92.31	0.35	1.57
NVNT	n40	5795	Ant1	0.636	0.689	92.31	0.35	1.57
NVNT	n40	5190	Ant2	0.636	0.689	92.31	0.35	1.57
NVNT	n40	5230	Ant2	0.637	0.689	92.45	0.34	1.57
NVNT	n40	5755	Ant2	0.638	0.689	92.6	0.33	1.57
NVNT	n40	5795	Ant2	0.638	0.689	92.6	0.33	1.57
NVNT	ac20	5180	Ant1	1.312	1.366	96.05	0.18	0.76
NVNT	ac20	5200	Ant1	1.312	1.366	96.05	0.18	0.76
NVNT	ac20	5240	Ant1	1.312	1.366	96.05	0.18	0.76
NVNT	ac20	5745	Ant1	1.312	1.366	96.05	0.18	0.76
NVNT	ac20	5785	Ant1	1.312	1.366	96.05	0.18	0.76
NVNT	ac20	5825	Ant1	1.312	1.366	96.05	0.18	0.76
NVNT	ac20	5180	Ant2	1.312	1.366	96.05	0.18	0.76
NVNT	ac20	5200	Ant2	1.311	1.366	95.97	0.18	0.76
NVNT	ac20	5240	Ant2	1.312	1.366	96.05	0.18	0.76
NVNT	ac20	5745	Ant2	1.313	1.366	96.12	0.17	0.76
NVNT	ac20	5785	Ant2	1.312	1.366	96.05	0.18	0.76
NVNT	ac20	5825	Ant2	1.312	1.366	96.05	0.18	0.76
NVNT	ac40	5190	Ant1	0.652	0.705	92.48	0.34	1.53
NVNT	ac40	5230	Ant1	0.652	0.705	92.48	0.34	1.53
NVNT	ac40	5755	Ant1	0.652	0.705	92.48	0.34	1.53
NVNT	ac40	5795	Ant1	0.652	0.705	92.48	0.34	1.53
NVNT	ac40	5190	Ant2	0.652	0.705	92.48	0.34	1.53
NVNT	ac40	5230	Ant2	0.652	0.705	92.48	0.34	1.53
NVNT	ac40	5755	Ant2	0.654	0.705	92.77	0.33	1.53
NVNT	ac40	5795	Ant2	0.654	0.705	92.77	0.33	1.53
NVNT	ac80	5210	Ant1	0.324	0.376	86.17	0.65	3.09
NVNT	ac80	5775	Ant1	0.324	0.376	86.17	0.65	3.09
NVNT	ac80	5210	Ant2	0.325	0.377	86.21	0.64	3.08
NVNT	ac80	5775	Ant2	0.325	0.376	86.44	0.63	3.08





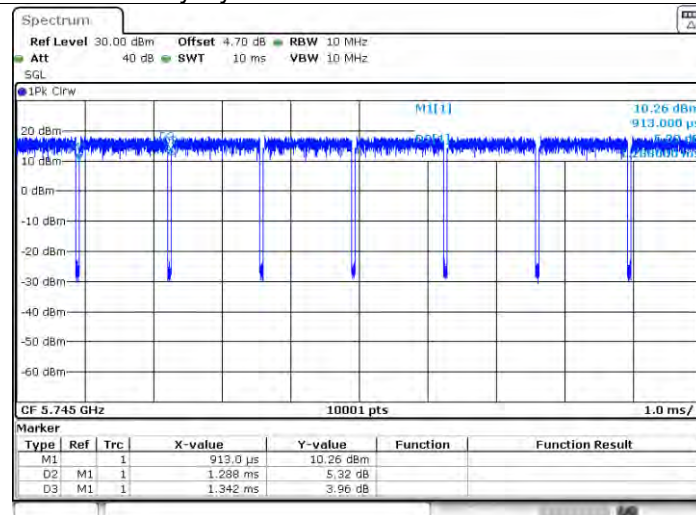




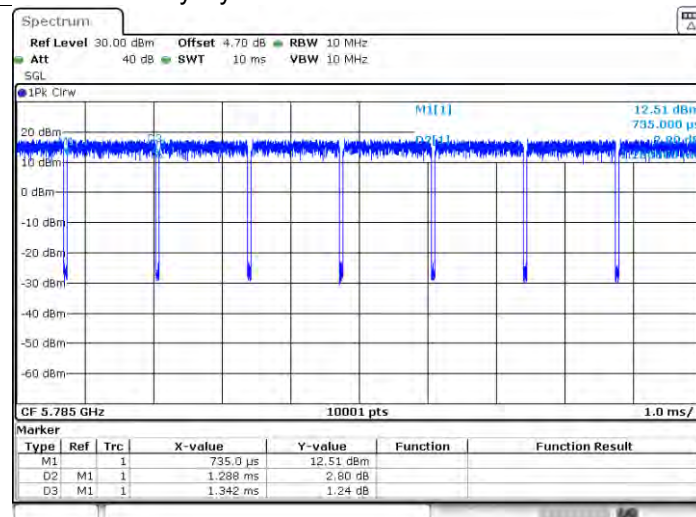




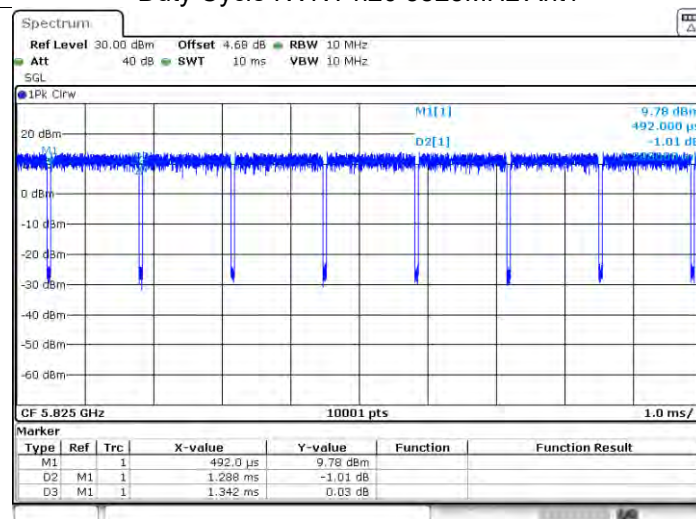
Duty Cycle NVNT n20 5745MHz Ant1

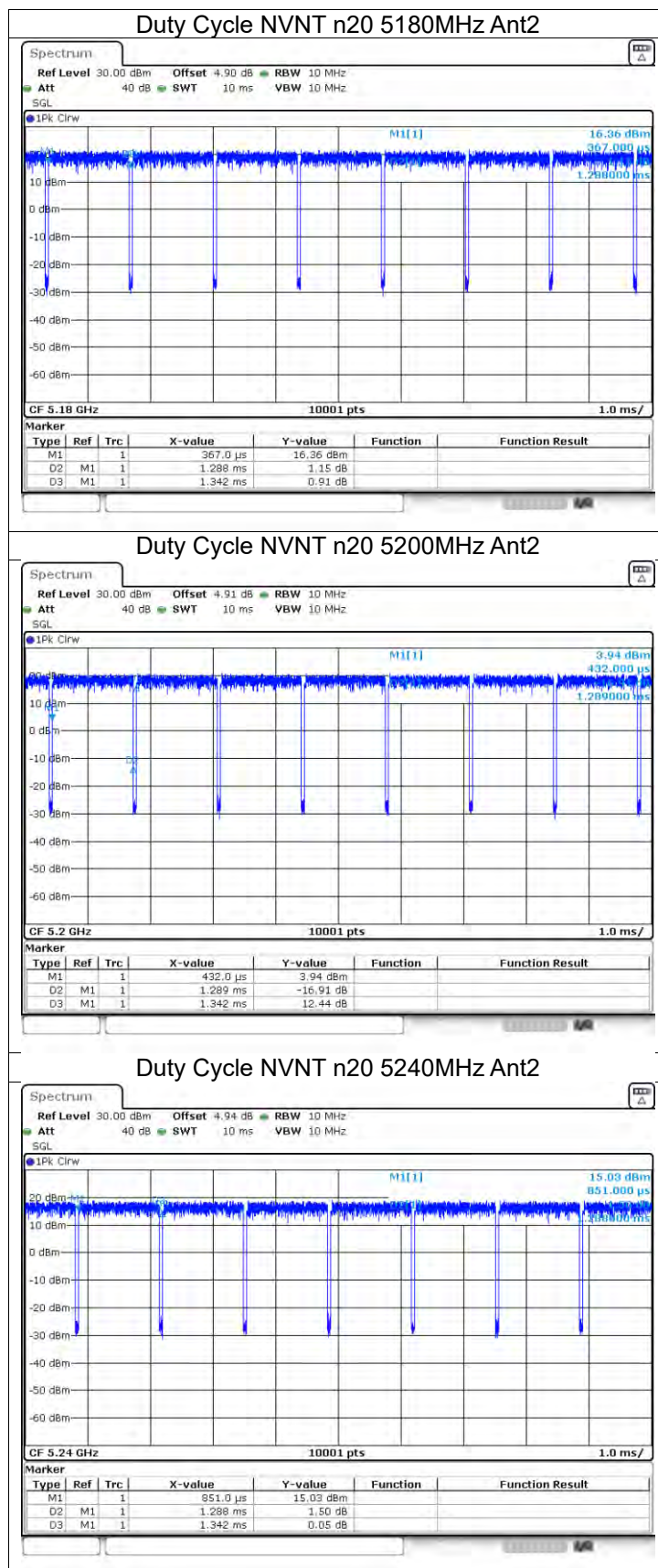


Duty Cycle NVNT n20 5785MHz Ant1



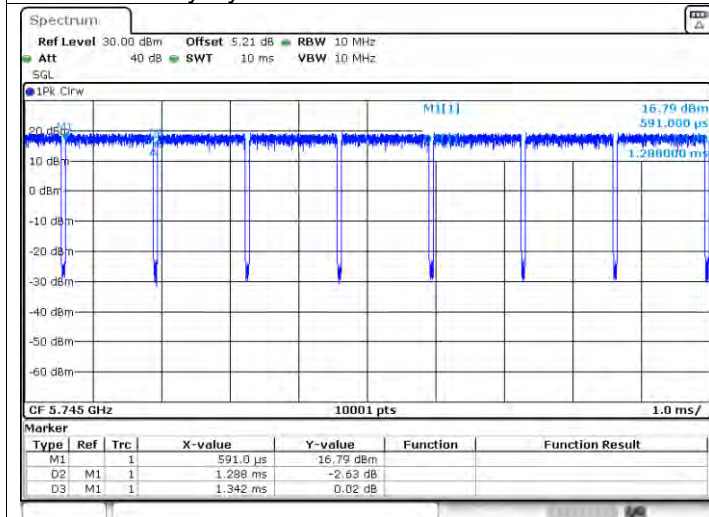
Duty Cycle NVNT n20 5825MHz Ant1



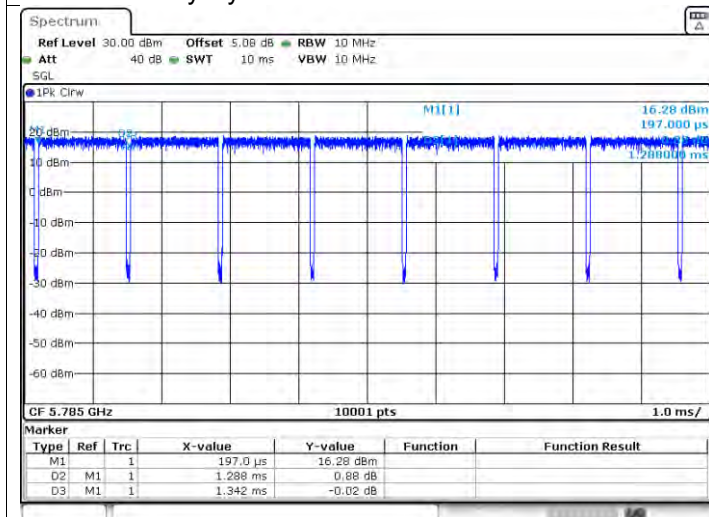




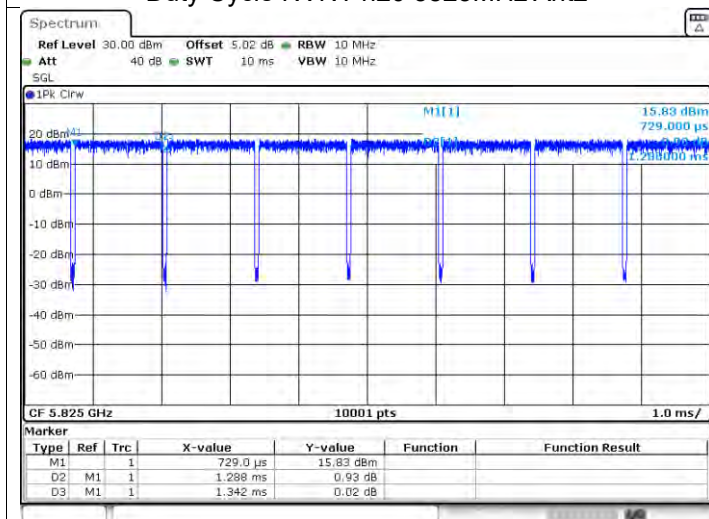
Duty Cycle NVNT n20 5745MHz Ant2

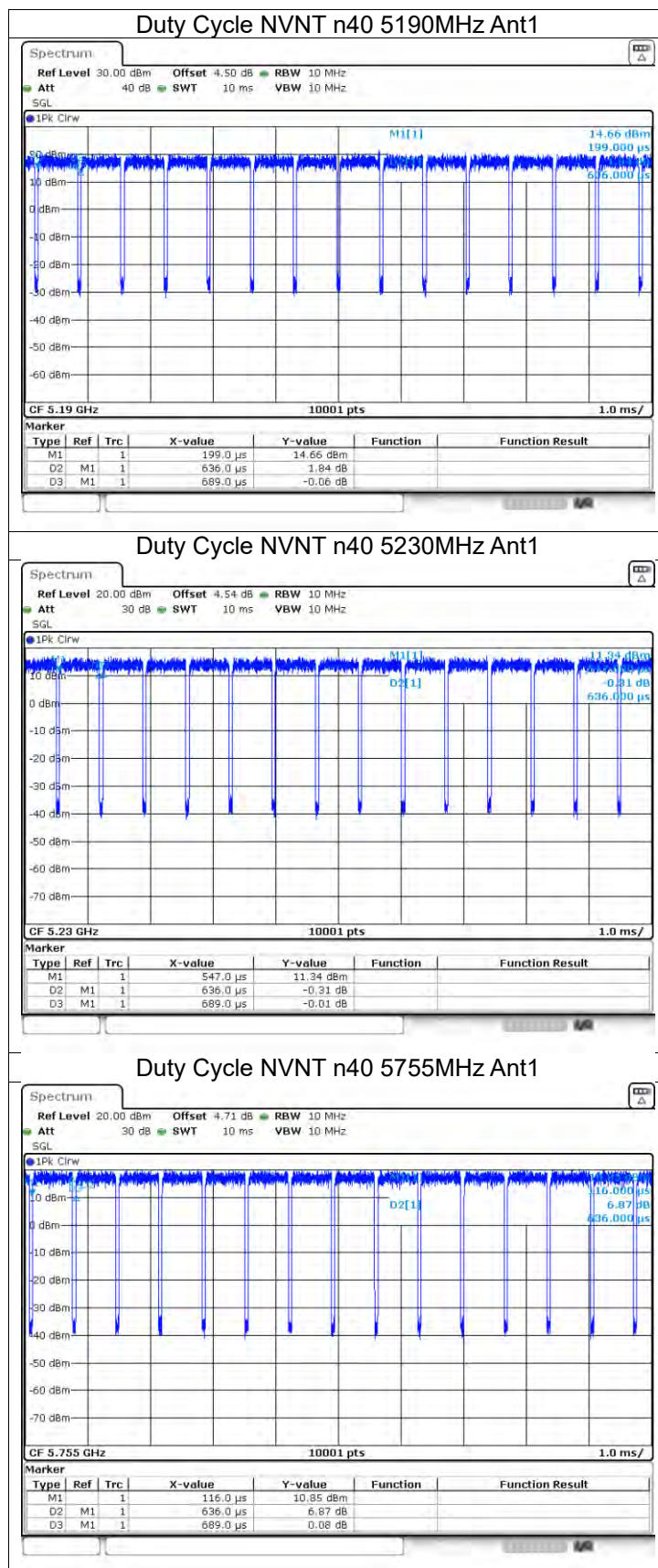


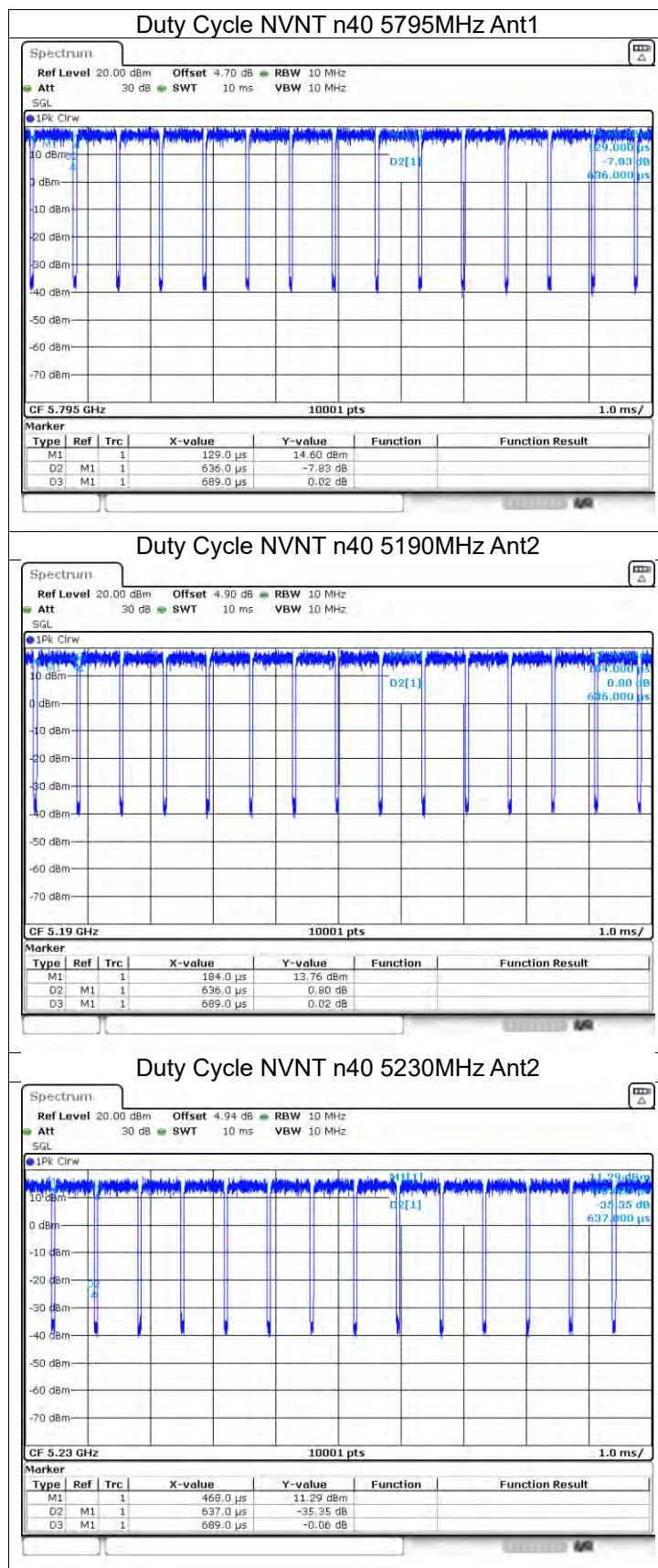
Duty Cycle NVNT n20 5785MHz Ant2



Duty Cycle NVNT n20 5825MHz Ant2

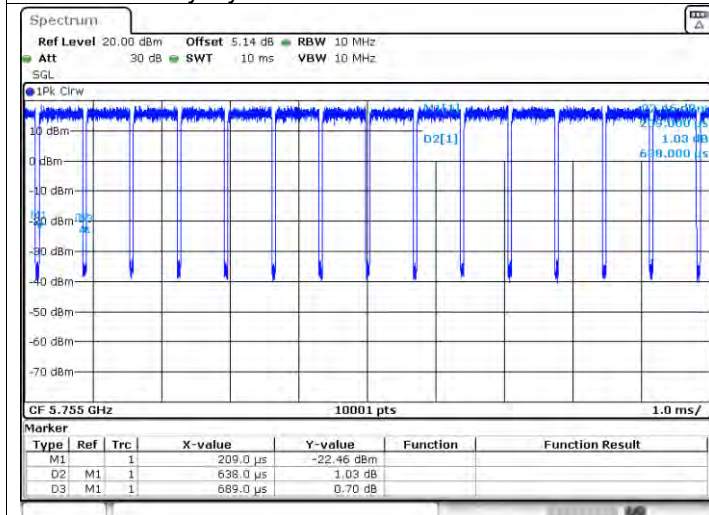




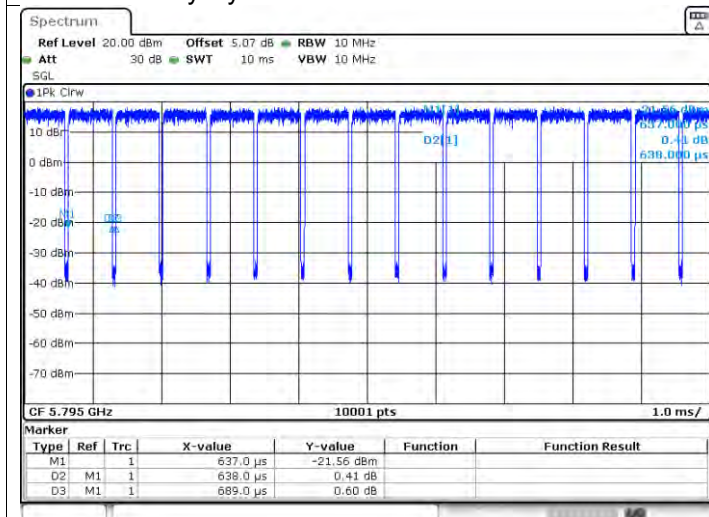




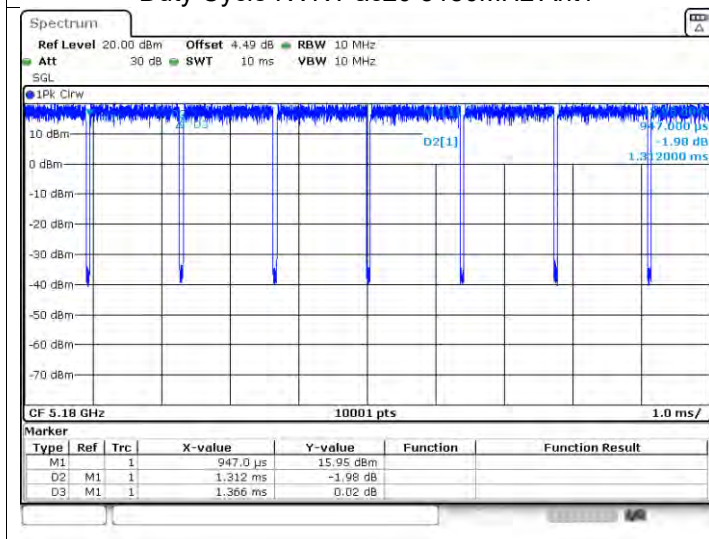
Duty Cycle NVNT n40 5755MHz Ant2

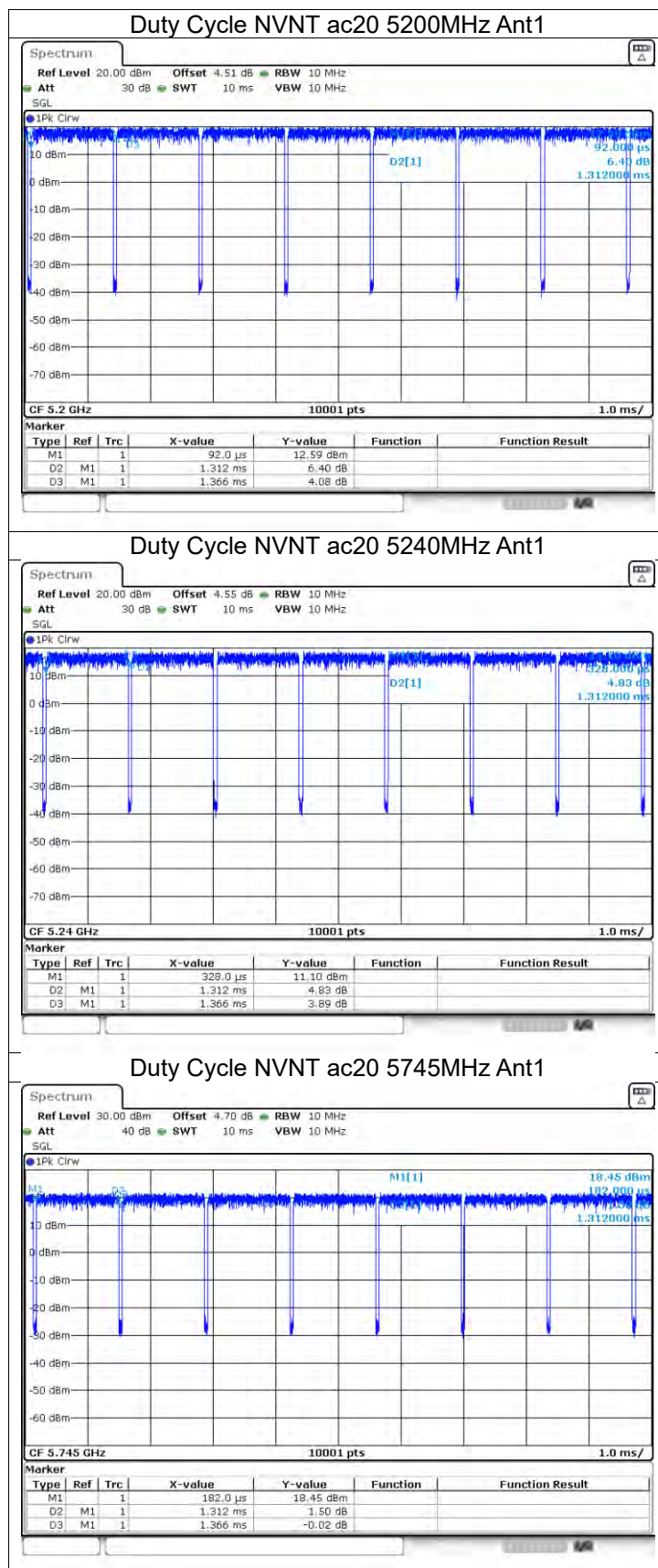


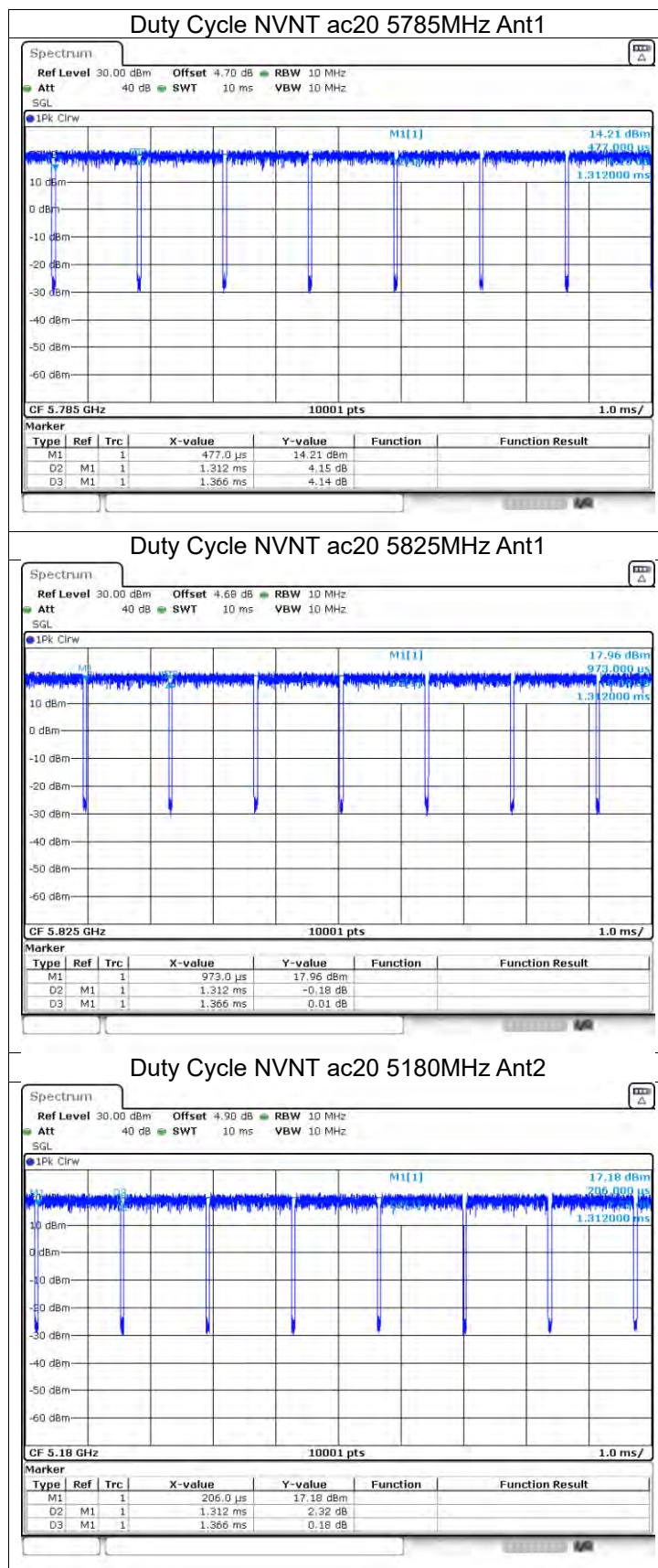
Duty Cycle NVNT n40 5795MHz Ant2

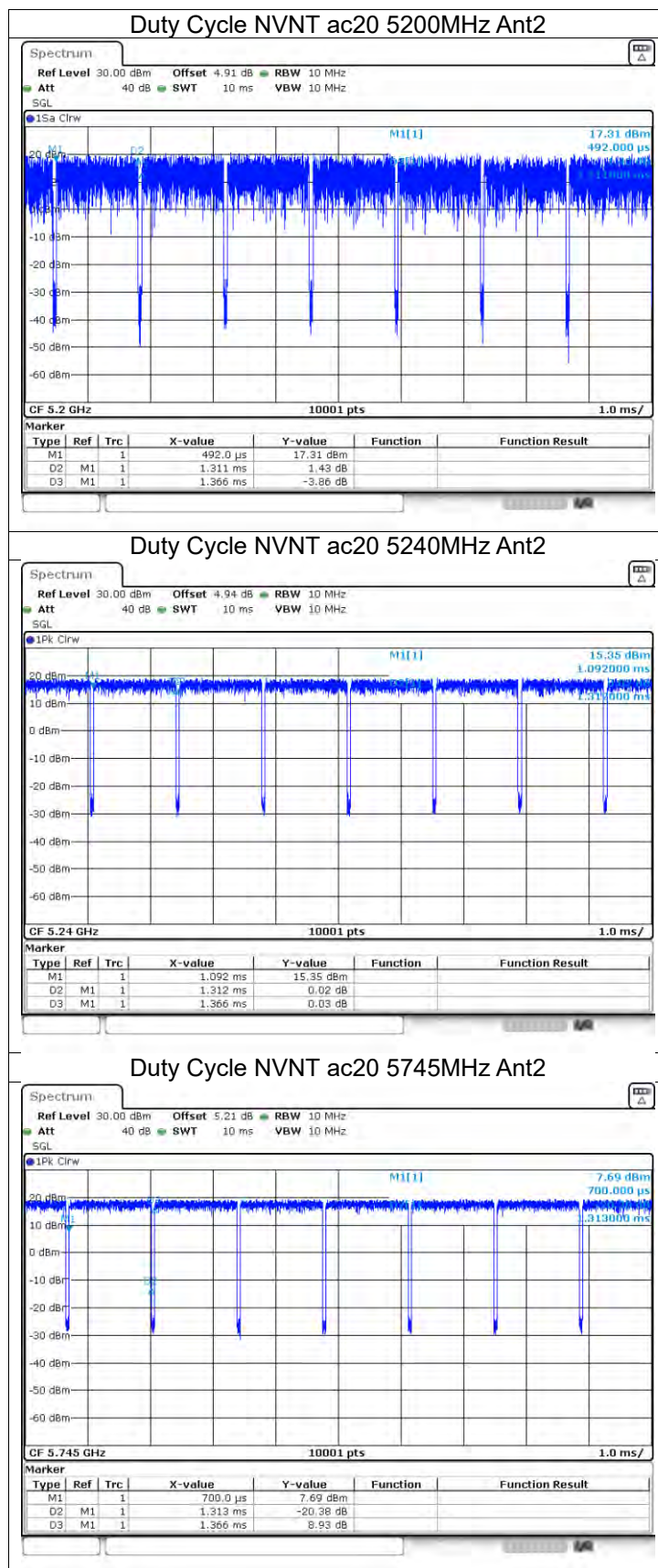


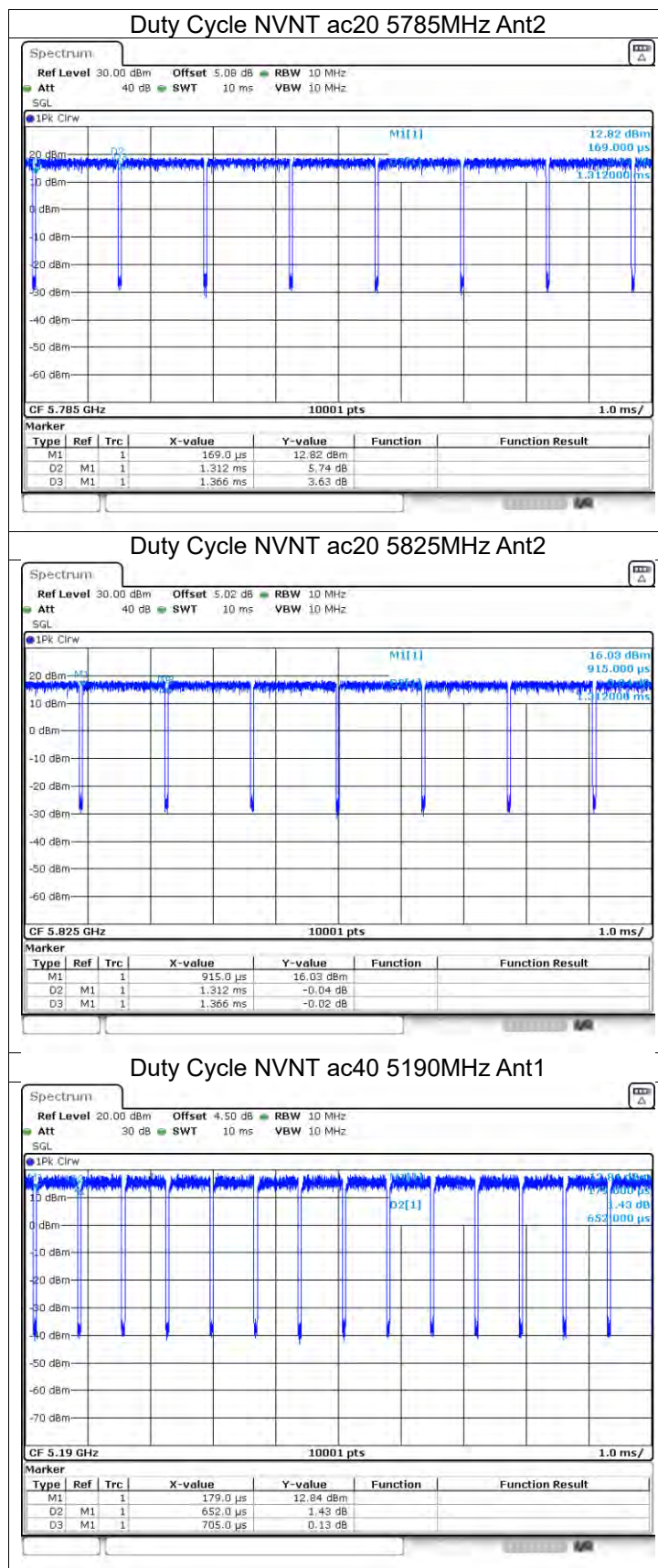
Duty Cycle NVNT ac20 5180MHz Ant1

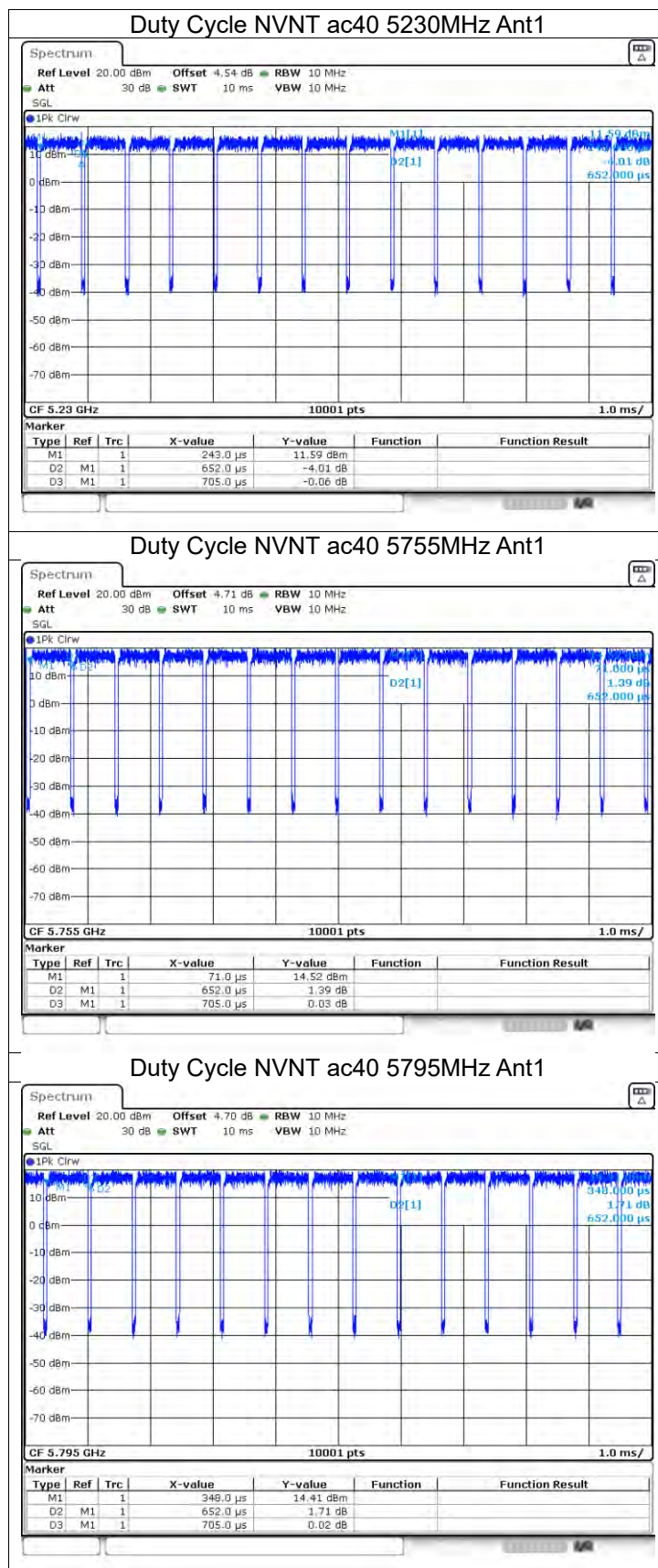


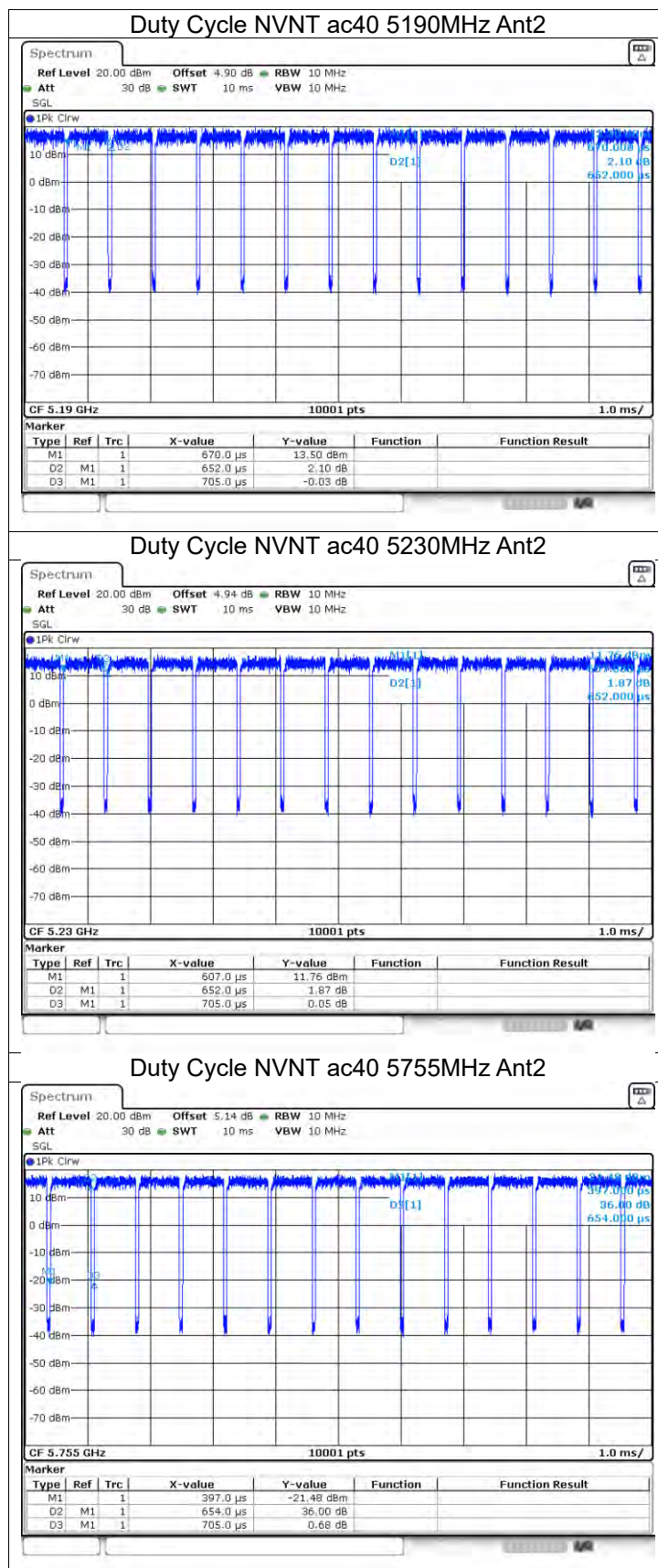


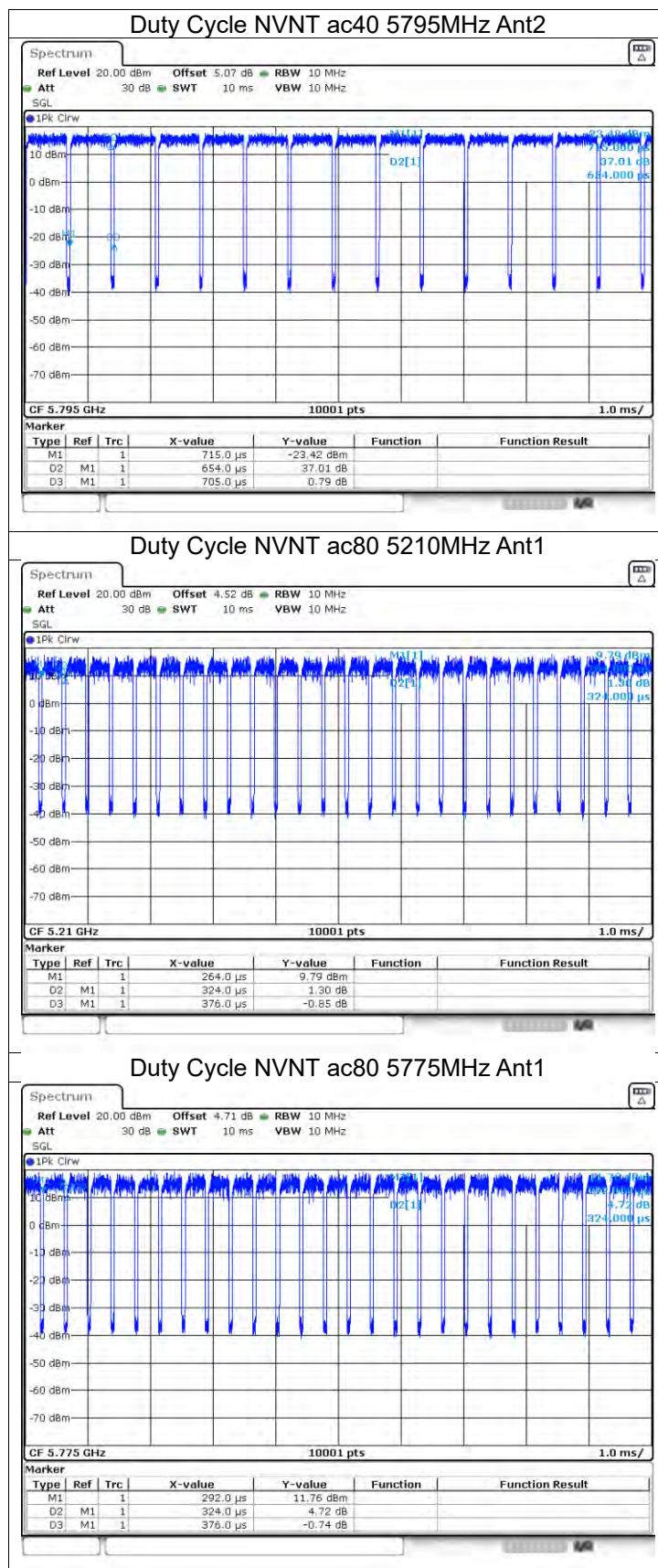


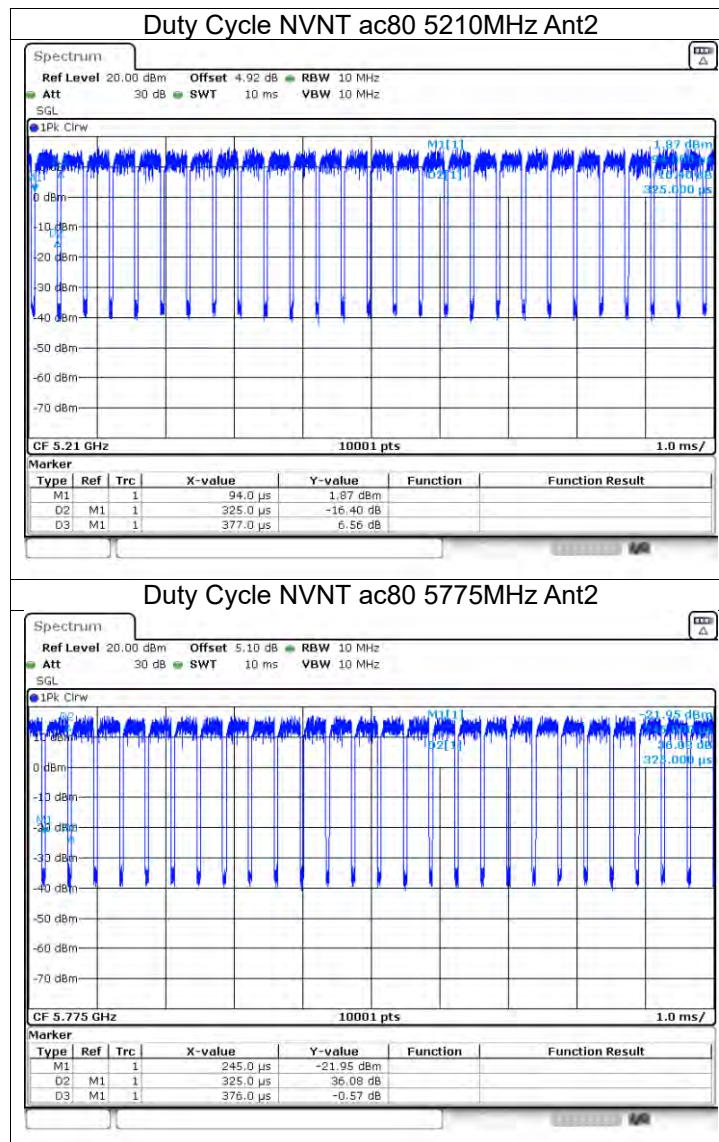














Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	14.48	0.17	14.65	24	Pass
NVNT	a	5200	Ant1	13.83	0.17	14	24	Pass
NVNT	a	5240	Ant1	13	0.17	13.17	24	Pass
NVNT	a	5745	Ant1	14.23	0.17	14.4	30	Pass
NVNT	a	5785	Ant1	13.29	0.17	13.46	30	Pass
NVNT	a	5825	Ant1	13.68	0.17	13.85	30	Pass
NVNT	a	5180	Ant2	13.23	0.17	13.4	24	Pass
NVNT	a	5200	Ant2	13.19	0.17	13.36	24	Pass
NVNT	a	5240	Ant2	11.79	0.17	11.96	24	Pass
NVNT	a	5745	Ant2	13.39	0.17	13.56	30	Pass
NVNT	a	5785	Ant2	11.84	0.17	12.01	30	Pass
NVNT	a	5825	Ant2	11.84	0.17	12.01	30	Pass
NVNT	n20	5180	Ant1	13.21	0.18	13.39	24	Pass
NVNT	n20	5200	Ant1	13.03	0.18	13.21	24	Pass
NVNT	n20	5240	Ant1	10.81	0.18	10.99	24	Pass
NVNT	n20	5745	Ant1	12.11	0.18	12.29	30	Pass
NVNT	n20	5785	Ant1	11.92	0.18	12.1	30	Pass
NVNT	n20	5825	Ant1	11.77	0.18	11.95	30	Pass
NVNT	n20	5180	Ant2	12.22	0.18	12.4	24	Pass
NVNT	n20	5200	Ant2	11.86	0.18	12.04	24	Pass
NVNT	n20	5240	Ant2	9.97	0.18	10.15	24	Pass
NVNT	n20	5745	Ant2	11.68	0.18	11.86	30	Pass
NVNT	n20	5785	Ant2	11	0.18	11.18	30	Pass
NVNT	n20	5825	Ant2	10.86	0.18	11.04	30	Pass
NVNT	n20	5180	Ant1	7.94	0.18	8.12	24	Pass
NVNT	n20	5180	Ant2	9.73	0.18	9.91	24	Pass
NVNT	n20	5180	MIMO	11.94	0.18	12.12	24	Pass
NVNT	n20	5200	Ant1	9.05	0.18	9.23	24	Pass
NVNT	n20	5200	Ant2	7.46	0.18	7.64	24	Pass
NVNT	n20	5200	MIMO	11.34	0.18	11.52	24	Pass
NVNT	n20	5240	Ant1	9.03	0.18	9.21	24	Pass
NVNT	n20	5240	Ant2	5.37	0.18	5.55	24	Pass
NVNT	n20	5240	MIMO	10.58	0.18	10.76	24	Pass
NVNT	n20	5745	Ant1	9.14	0.18	9.32	30	Pass
NVNT	n20	5745	Ant2	7.23	0.18	7.41	30	Pass
NVNT	n20	5745	MIMO	11.3	0.18	11.48	30	Pass
NVNT	n20	5785	Ant1	9.26	0.18	9.44	30	Pass
NVNT	n20	5785	Ant2	6.82	0.18	7	30	Pass
NVNT	n20	5785	MIMO	11.22	0.18	11.4	30	Pass
NVNT	n20	5825	Ant1	8.7	0.18	8.88	30	Pass
NVNT	n20	5825	Ant2	6.51	0.18	6.69	30	Pass
NVNT	n20	5825	MIMO	10.75	0.18	10.93	30	Pass
NVNT	n40	5190	Ant1	11.57	0.35	11.92	24	Pass
NVNT	n40	5230	Ant1	8.69	0.35	9.04	24	Pass
NVNT	n40	5755	Ant1	11.7	0.35	12.05	30	Pass
NVNT	n40	5795	Ant1	11.61	0.35	11.96	30	Pass
NVNT	n40	5190	Ant2	10.91	0.35	11.26	24	Pass
NVNT	n40	5230	Ant2	9	0.34	9.34	24	Pass
NVNT	n40	5755	Ant2	10.59	0.33	10.92	30	Pass
NVNT	n40	5795	Ant2	10.6	0.33	10.93	30	Pass
NVNT	n40	5190	Ant1	8.83	0.35	9.18	24	Pass
NVNT	n40	5190	Ant2	9.24	0.35	9.59	24	Pass
NVNT	n40	5190	MIMO	12.05	0.35	12.4	24	Pass
NVNT	n40	5230	Ant1	7.6	0.35	7.95	24	Pass
NVNT	n40	5230	Ant2	7.19	0.35	7.54	24	Pass
NVNT	n40	5230	MIMO	10.41	0.35	10.76	24	Pass
NVNT	n40	5755	Ant1	7.84	0.35	8.19	30	Pass
NVNT	n40	5755	Ant2	6.1	0.35	6.45	30	Pass



NVNT	n40	5755	MIMO	10.07	0.35	10.42	30	Pass
NVNT	n40	5795	Ant1	7.96	0.35	8.31	30	Pass
NVNT	n40	5795	Ant2	6.28	0.35	6.63	30	Pass
NVNT	n40	5795	MIMO	10.21	0.35	10.56	30	Pass
NVNT	ac20	5180	Ant1	10.81	0.18	10.99	24	Pass
NVNT	ac20	5200	Ant1	11.38	0.18	11.56	24	Pass
NVNT	ac20	5240	Ant1	10.14	0.18	10.32	24	Pass
NVNT	ac20	5745	Ant1	13.35	0.18	13.53	30	Pass
NVNT	ac20	5785	Ant1	13.2	0.18	13.38	30	Pass
NVNT	ac20	5825	Ant1	12.55	0.18	12.73	30	Pass
NVNT	ac20	5180	Ant2	12.5	0.18	12.68	24	Pass
NVNT	ac20	5200	Ant2	12.41	0.18	12.59	24	Pass
NVNT	ac20	5240	Ant2	10.32	0.18	10.5	24	Pass
NVNT	ac20	5745	Ant2	11.9	0.17	12.07	30	Pass
NVNT	ac20	5785	Ant2	11.43	0.18	11.61	30	Pass
NVNT	ac20	5825	Ant2	11.14	0.18	11.32	30	Pass
NVNT	ac20	5180	Ant1	5.89	0.18	6.07	24	Pass
NVNT	ac20	5180	Ant2	7.69	0.18	7.87	24	Pass
NVNT	ac20	5180	MIMO	9.89	0.18	10.07	24	Pass
NVNT	ac20	5200	Ant1	9.14	0.18	9.32	24	Pass
NVNT	ac20	5200	Ant2	7.45	0.18	7.63	24	Pass
NVNT	ac20	5200	MIMO	11.39	0.18	11.57	24	Pass
NVNT	ac20	5240	Ant1	8.76	0.18	8.94	24	Pass
NVNT	ac20	5240	Ant2	4.97	0.18	5.15	24	Pass
NVNT	ac20	5240	MIMO	10.28	0.18	10.46	24	Pass
NVNT	ac20	5745	Ant1	9.38	0.17	9.55	30	Pass
NVNT	ac20	5745	Ant2	7.08	0.17	7.25	30	Pass
NVNT	ac20	5745	MIMO	11.39	0.17	11.56	30	Pass
NVNT	ac20	5785	Ant1	9.43	0.18	9.61	30	Pass
NVNT	ac20	5785	Ant2	7.56	0.18	7.74	30	Pass
NVNT	ac20	5785	MIMO	11.61	0.18	11.79	30	Pass
NVNT	ac20	5825	Ant1	9.03	0.18	9.21	30	Pass
NVNT	ac20	5825	Ant2	6.47	0.18	6.65	30	Pass
NVNT	ac20	5825	MIMO	10.95	0.18	11.13	30	Pass
NVNT	ac40	5190	Ant1	10.14	0.34	10.48	24	Pass
NVNT	ac40	5230	Ant1	8.81	0.34	9.15	24	Pass
NVNT	ac40	5755	Ant1	11.83	0.34	12.17	30	Pass
NVNT	ac40	5795	Ant1	11.8	0.34	12.14	30	Pass
NVNT	ac40	5190	Ant2	10.95	0.34	11.29	24	Pass
NVNT	ac40	5230	Ant2	9.64	0.34	9.98	24	Pass
NVNT	ac40	5755	Ant2	10.81	0.33	11.14	30	Pass
NVNT	ac40	5795	Ant2	10.46	0.33	10.79	30	Pass
NVNT	ac40	5190	Ant1	8.5	0.34	8.84	24	Pass
NVNT	ac40	5190	Ant2	9.31	0.34	9.65	24	Pass
NVNT	ac40	5190	MIMO	11.93	0.34	12.27	24	Pass
NVNT	ac40	5230	Ant1	7.27	0.34	7.61	24	Pass
NVNT	ac40	5230	Ant2	8.32	0.34	8.66	24	Pass
NVNT	ac40	5230	MIMO	10.84	0.34	11.18	24	Pass
NVNT	ac40	5755	Ant1	8.16	0.33	8.49	30	Pass
NVNT	ac40	5755	Ant2	5.99	0.33	6.32	30	Pass
NVNT	ac40	5755	MIMO	10.22	0.33	10.55	30	Pass
NVNT	ac40	5795	Ant1	7.97	0.34	8.31	30	Pass
NVNT	ac40	5795	Ant2	6.05	0.34	6.39	30	Pass
NVNT	ac40	5795	MIMO	10.13	0.34	10.47	30	Pass
NVNT	ac80	5210	Ant1	6.02	0.65	6.67	24	Pass
NVNT	ac80	5775	Ant1	9.44	0.65	10.09	30	Pass
NVNT	ac80	5210	Ant2	6.56	0.64	7.2	24	Pass
NVNT	ac80	5775	Ant2	8.27	0.63	8.9	30	Pass
NVNT	ac80	5210	Ant1	6.74	0.65	7.39	24	Pass
NVNT	ac80	5210	Ant2	6.75	0.65	7.4	24	Pass
NVNT	ac80	5210	MIMO	9.76	0.65	10.41	24	Pass



NVNT	ac80	5775	Ant1	7.46	0.65	8.11	30	Pass
NVNT	ac80	5775	Ant2	5.06	0.65	5.71	30	Pass
NVNT	ac80	5775	MIMO	9.43	0.65	10.08	30	Pass



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.633
NVNT	a	5200	Ant1	16.474
NVNT	a	5240	Ant1	16.471
NVNT	a	5745	Ant1	16.591
NVNT	a	5785	Ant1	16.591
NVNT	a	5825	Ant1	16.579
NVNT	a	5180	Ant2	16.522
NVNT	a	5200	Ant2	16.555
NVNT	a	5240	Ant2	16.504
NVNT	a	5745	Ant2	17.368
NVNT	a	5785	Ant2	17.461
NVNT	a	5825	Ant2	17.656
NVNT	n20	5180	Ant1	17.584
NVNT	n20	5200	Ant1	17.605
NVNT	n20	5240	Ant1	17.587
NVNT	n20	5745	Ant1	17.581
NVNT	n20	5785	Ant1	17.59
NVNT	n20	5825	Ant1	17.581
NVNT	n20	5180	Ant2	17.584
NVNT	n20	5200	Ant2	17.602
NVNT	n20	5240	Ant2	17.572
NVNT	n20	5745	Ant2	17.836
NVNT	n20	5785	Ant2	17.896
NVNT	n20	5825	Ant2	17.902
NVNT	n40	5190	Ant1	36.038
NVNT	n40	5230	Ant1	36.014
NVNT	n40	5755	Ant1	36.128
NVNT	n40	5795	Ant1	36.116
NVNT	n40	5190	Ant2	36.056
NVNT	n40	5230	Ant2	36.044
NVNT	n40	5755	Ant2	36.518
NVNT	n40	5795	Ant2	36.56
NVNT	ac20	5180	Ant1	17.584
NVNT	ac20	5200	Ant1	17.566
NVNT	ac20	5240	Ant1	17.569
NVNT	ac20	5745	Ant1	17.59
NVNT	ac20	5785	Ant1	17.593
NVNT	ac20	5825	Ant1	17.599
NVNT	ac20	5180	Ant2	17.566
NVNT	ac20	5200	Ant2	17.593
NVNT	ac20	5240	Ant2	17.569
NVNT	ac20	5745	Ant2	17.854
NVNT	ac20	5785	Ant2	17.881
NVNT	ac20	5825	Ant2	17.917
NVNT	ac40	5190	Ant1	36.008
NVNT	ac40	5230	Ant1	36.014
NVNT	ac40	5755	Ant1	36.11
NVNT	ac40	5795	Ant1	36.134
NVNT	ac40	5190	Ant2	36.02
NVNT	ac40	5230	Ant2	36.05
NVNT	ac40	5755	Ant2	36.5
NVNT	ac40	5795	Ant2	36.59
NVNT	ac80	5210	Ant1	75.388
NVNT	ac80	5775	Ant1	75.472
NVNT	ac80	5210	Ant2	75.436
NVNT	ac80	5775	Ant2	75.88

