



RF TEST REPORT

Product Name: Battery Camera

Model Name: BC-BD06-M10, BC-BD06-M10-V0, BC-BD06-M10-V1, BC-BD06-M10-V2, BC-BD06-M10-V3, BC-BD06-M10-V4, BC-BD06-M10-V5, BC-BD06-M10-V6, BC-BD06-M10-V7, BC-BD06-M10-V8, BC-BD06-M10-V9

FCC ID: 2A22Z-W520

Issued For : Botslab Inc.

919 North Market Street, Suite 950, Wilmington, New Castle,
Delaware, USA

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: LGT24K127RF10

Sample Received Date: Nov. 20, 2024

Date of Test: Nov. 20, 2024 ~ Feb. 20, 2025

Date of Issue: Apr. 30, 2025

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TEST REPORT CERTIFICATION

Applicant: Botslab Inc.

Address: 919 North Market Street, Suite 950, Wilmington, New Castle, Delaware, USA

Manufacturer: Botslab Inc.

Address: 919 North Market Street, Suite 950, Wilmington, New Castle, Delaware, USA

Product Name: Battery Camera

Trademark: Botslab

Model Name: BC-BD06-M10, BC-BD06-M10-V0, BC-BD06-M10-V1, BC-BD06-M10-V2, BC-BD06-M10-V3, BC-BD06-M10-V4, BC-BD06-M10-V5, BC-BD06-M10-V6, BC-BD06-M10-V7, BC-BD06-M10-V8, BC-BD06-M10-V9

Sample Status: Normal

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

Prepared by:

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Revision History

Rev.	Issue Date	Contents
00	Apr. 30, 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

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.
- (3) Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.



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 expanded 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	RF output power, conducted	$\pm 0.68\text{dB}$
2	PSD	$\pm 1.57\text{dB}$
3	Bandwidth	$\pm 0.46\%$
4	Unwanted Emissions, conducted	$\pm 2.988\text{dB}$
5	All emissions, radiated 9K-30MHz	$\pm 2.84\text{dB}$
6	All emissions, radiated 30M-1GHz	$\pm 4.39\text{dB}$
7	All emissions, radiated 1G-6GHz	$\pm 5.10\text{dB}$
8	All emissions, radiated >6G	$\pm 5.48\text{dB}$
9	Conducted Emission (9KHz-150KHz)	$\pm 2.79\text{dB}$
10	Conducted Emission (150KHz-30MHz)	$\pm 2.80\text{dB}$

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



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	Battery Camera												
Trademark:	Botslab												
Model Name:	BC-BD06-M10												
Series Model:	BC-BD06-M10-V0, BC-BD06-M10-V1, BC-BD06-M10-V2, BC-BD06-M10-V3, BC-BD06-M10-V4, BC-BD06-M10-V5, BC-BD06-M10-V6, BC-BD06-M10-V7, BC-BD06-M10-V8, BC-BD06-M10-V9												
Model Difference:	Only differences in model and color.												
Product Description:	<table><tr><td rowspan="7">Operation Frequency:</td><td>IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.180GHz-5.240GHz IEEE 802.11n(HT40)/ ac(VHT40)/ax(HE40): 5.190GHz-5.230GHz</td></tr><tr><td>IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.260GHz-5.320GHz IEEE 802.11 n(HT40)/ ac(VHT40)/ax(HE40): 5.270GHz-5.310GHz</td></tr><tr><td>IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.500GHz-5.700GHz IEEE 802.11 n(HT40)/ ac(VHT40)/ax(HE40): 5.510GHz-5.670GHz</td></tr><tr><td>IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.745GHz-5.825GHz IEEE 802.11a/n(HT40)/ac(VHT40)/ax(HE40): 5.755GHz-5.795GHz</td></tr><tr><td>802.11a(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11n(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11ac (OFDM): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11ax(OFDM, OFDMA): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024QAM</td></tr><tr><td>Antenna Designation:</td><td>FPC</td></tr><tr><td>Antenna Gain(dBi)</td><td>6.78dBi</td></tr></table> More details of EUT technical specification, please refer to the User Manual.			Operation Frequency:	IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.180GHz-5.240GHz IEEE 802.11n(HT40)/ ac(VHT40)/ax(HE40): 5.190GHz-5.230GHz	IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.260GHz-5.320GHz IEEE 802.11 n(HT40)/ ac(VHT40)/ax(HE40): 5.270GHz-5.310GHz	IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.500GHz-5.700GHz IEEE 802.11 n(HT40)/ ac(VHT40)/ax(HE40): 5.510GHz-5.670GHz	IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.745GHz-5.825GHz IEEE 802.11a/n(HT40)/ac(VHT40)/ax(HE40): 5.755GHz-5.795GHz	802.11a(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11n(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11ac (OFDM): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11ax(OFDM, OFDMA): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024QAM	Antenna Designation:	FPC	Antenna Gain(dBi)	6.78dBi
Operation Frequency:	IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.180GHz-5.240GHz IEEE 802.11n(HT40)/ ac(VHT40)/ax(HE40): 5.190GHz-5.230GHz												
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	Antenna Designation:	FPC											
	Antenna Gain(dBi)	6.78dBi											
Test Channel:	Please refer to the Note 3.												
Rating:	Input: DC 5V 2A												
Battery:	Capacity: 10000mAh Rated Voltage: 3.6V												
Hardware Version:	EVT02												
Software Version:	W520_v1.0.3.6257_20241113												
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		5.260GHz-5.320GHz	
Channel	Frequency	Channel	Frequency
36	5180	52	5260
38	5190	54	5270
40	5200	56	5280
42	5210	58	5290
44	5220	60	5300
46	5230	62	5310
48	5240	64	5320
5.500GHz-5.720GHz		5.745GHz-5.825GHz	
Channel	Frequency	Channel	Frequency
100	5500	149	5745
102	5510	151	5755
104	5520	153	5765
108	5540	157	5785
110	5550	159	5795
112	5560	161	5805
116	5580	165	5825
118	5590		
120	5600		
124	5620		
126	5630		
128	5640		
132	5660		
134	5670		
136	5680		
140	5700		
142	5710		
144	5720		

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/ax (20MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	52	5260	100	5500	149	5745
40	5200	60	5300	116	5580	157	5785
48	5240	64	5320	140	5700	165	5825
Channel List for 802.11n/ac/ax(40MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	54	5270	102	5510	151	5755
46	5230	62	5310	110	5550	159	5795



134	5670						
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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 CH52&CH60&CH64	6 Mbps
Mode 3	TX IEEE 802.11a HT20 CH149&CH157&CH165	6 Mbps
Mode 4	TX IEEE 802.11n HT20 CH36&CH40&CH48	MCS 0
Mode 5	TX IEEE 802.11ac VHT20/ ax HE20 CH36&CH40&CH48	NSS1 MCS0
Mode 6	TX IEEE 802.11n HT20 CH52&CH60&CH64	MCS 0
Mode 7	TX IEEE 802.11ac VHT20/ ax HE20 CH52&CH60&CH64	NSS1 MCS0
Mode 8	TX IEEE 802.11n HT20 CH149&CH157&CH165	MCS 0
Mode 9	TX IEEE 802.11ac VHT20/ ax HE20 CH149&CH157&CH165	NSS1 MCS0
Mode 10	TX IEEE 802.11n HT40 CH38&CH46	MCS 0
Mode 11	TX IEEE 802.11ac VHT40/ ax HE40 CH38&CH46	NSS1 MCS0
Mode 12	TX IEEE 802.11n HT40 CH54 &CH62	MCS 0
Mode 13	TX IEEE 802.11ac VHT40/ ax HE40 CH54 &CH62	NSS1 MCS0
Mode 14	TX IEEE 802.11n HT40 CH151&CH159	MCS 0
Mode 15	TX IEEE 802.11ac VHT40/ ax HE40 CH151&CH159	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.

(3) We have been tested for all available U.S. voltage and frequencies (For 120V, 50/60Hz and 240V, 50/60Hz) for which the device is capable of operation.

(4) The battery is fully-charged during the radiated and RF conducted test.

(5) All 20M, 40M bandwidth modes have been tested, and the report only shown the worst mode data

(6) The 802.11ax mode is investigated among different tones (26/52/106/242-tone RU channel), full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

AC Conducted Emission

Test Case	
AC Conducted Emission	Mode 16: 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	
SecureCRT_6.5.0.380	Mode Or Modulation type	Power setting
	a	14
	n20	13
	n40	13
	ac20	13
	ac40	13
	ax20	13
	ax40	13
Test software Version	Test program: 5G WIFI B2	
SecureCRT_6.5.0.380	Mode Or Modulation type	Power setting
	a	14
	n20	13
	n40	13
	ac20	13
	ac40	13
	ax20	13
	ax40	13
Test software Version	Test program: 5G WIFI B3	
SecureCRT_6.5.0.380	Mode Or Modulation type	Power setting
	a	14
	n20	13
	n40	13
	ac20	13
	ac40	13
	ax20	13
	ax40	13
Test software Version	Test program: 5G WIFI B4	
SecureCRT_6.5.0.380	Mode Or Modulation type	Power setting
	a	14
	n20	13
	n40	13
	ac20	13
	ac40	13
	ax20	13
	ax40	13



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	HKF-16	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	2024.03.09	2025.03.08
LISN	SCHWARZBECK	NNLK 8122	00160	2024.03.09	2025.03.08
Transient Limiter	CYBERTEK	EM5010A	E2250100049	2024.03.09	2025.03.08
Temperature & Humidity	KTJ	TA218B	N.A	2024.03.09	2025.03.08
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	2024.03.09	2025.03.08
Active loop Antenna	ETS	6502	00049544	2023.10.13	2025.10.12
Spectrum Analyzer	Keysight	N9010B	MY60242508	2024.08.05	2025.08.04
Bilog Antenna(30M-1G)	SCHWARZBECK	VULB 9168	2705	2022.12.12	2025.12.11
Horn Antenna(1-18G)	SCHWARZBECK	3115	10SL0060	2022.06.02	2025.06.01
Horn Antenna(18-40G)	A-INFO	LB-180400-KF	J211060273	2022.06.08	2025.06.07
Pre-amplifier(30M-1G)	EMtrace	RP01A	02019	2024.03.09	2025.03.08
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2024.03.09	2025.03.08
Pre-amplifier(18-40G)	com-mw	LNPA_18-40-01	18050003	2024.03.09	2025.03.08
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2024.03.11	2025.03.10
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	2024.08.05	2025.08.04
Signal Analyzer	Keysight	N9020A	MY50530994	2024.03.09	2025.03.08
RF Automatic Test system	MW	MW100-RFCB	MW220322LG-033	2024.03.09	2025.03.08
Attenuator	eastsheep	90db	N.A	2024.03.09	2025.03.08
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2024.03.11	2025.03.10
Digital multimeter	MASTECH	MS8261	MBGBC83053	2024.03.09	2025.03.08
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

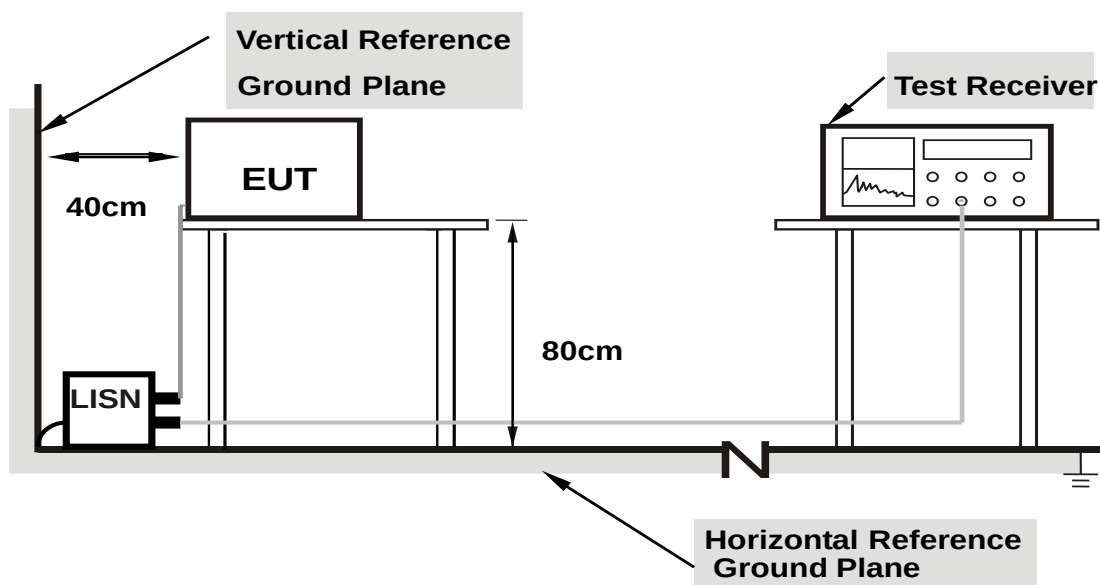
3.1.2 TEST PROCEDURE

- The EUT is 0.8 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



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes support units.

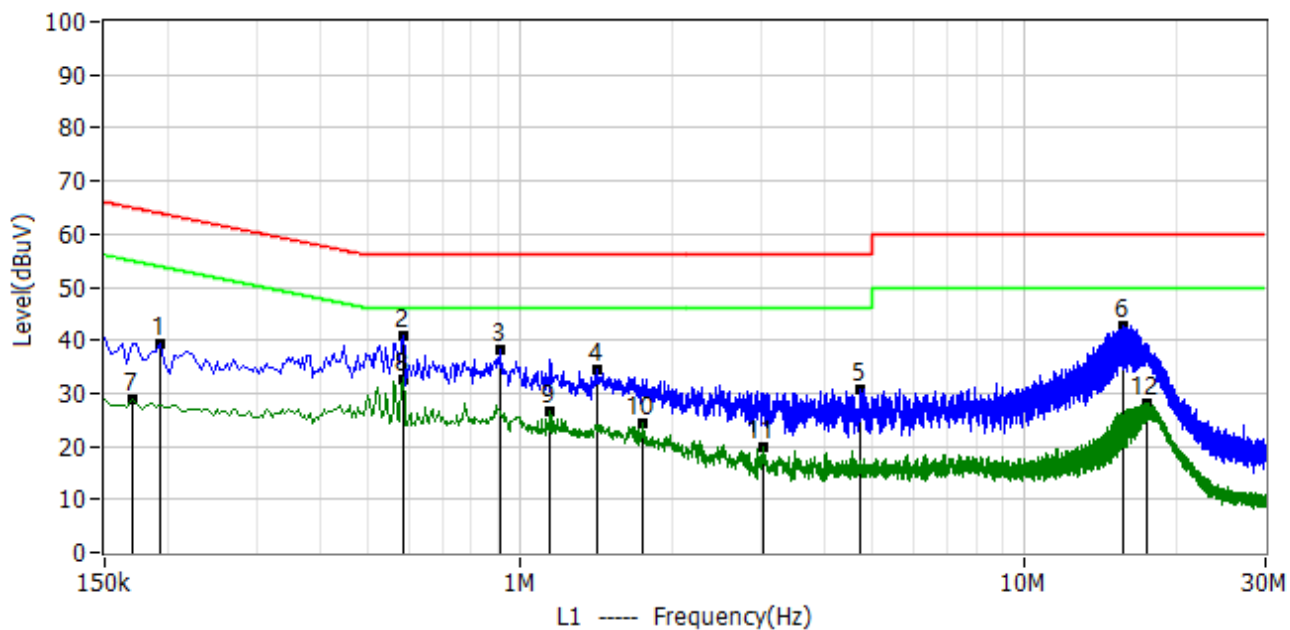
3.1.5 EUT OPERATING CONDITIONS

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

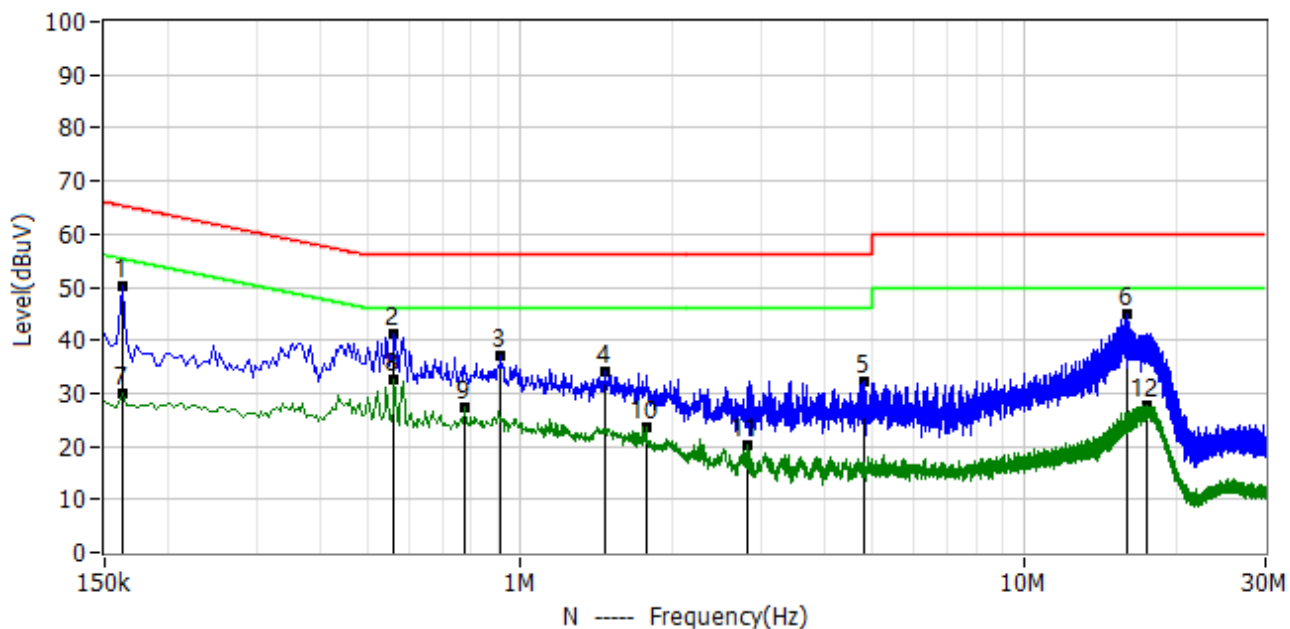
Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 22.1°C
M/N: BC-BD06-M10	Humidity: 60%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-12-03
Test Mode: TX 802.11a 5180	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.194	28.55	10.62	39.17	63.86	-24.69	QP	L1
2*	0.586	30.19	10.57	40.76	56.00	-15.24	QP	L1
3*	0.914	27.45	10.65	38.10	56.00	-17.90	QP	L1
4*	1.422	23.48	10.82	34.30	56.00	-21.70	QP	L1
5*	4.734	19.73	11.10	30.83	56.00	-25.17	QP	L1
6*	15.694	31.20	11.42	42.62	60.00	-17.38	QP	L1
7*	0.170	18.12	10.59	28.71	54.96	-26.25	AV	L1
8*	0.586	22.20	10.57	32.77	46.00	-13.23	AV	L1
9*	1.146	16.02	10.73	26.75	46.00	-19.25	AV	L1
10*	1.754	13.37	10.92	24.29	46.00	-21.71	AV	L1
11*	3.034	8.53	11.19	19.72	46.00	-26.28	AV	L1
12*	17.450	16.56	11.51	28.07	50.00	-21.93	AV	L1



Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 22.1°C
M/N: BC-BD06-M10	Humidity: 60%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-12-03
Test Mode: TX 802.11a 5180	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.162	39.75	10.57	50.32	65.36	-15.04	QP	N
2*	0.562	30.65	10.55	41.20	56.00	-14.80	QP	N
3*	0.914	26.66	10.55	37.21	56.00	-18.79	QP	N
4*	1.466	23.36	10.64	34.00	56.00	-22.00	QP	N
5*	4.786	21.24	10.83	32.07	56.00	-23.93	QP	N
6*	15.970	33.35	11.43	44.78	60.00	-15.22	QP	N
7*	0.162	19.36	10.57	29.93	55.36	-25.43	AV	N
8*	0.562	21.94	10.55	32.49	46.00	-13.51	AV	N
9*	0.778	16.78	10.56	27.34	46.00	-18.66	AV	N
10*	1.778	12.98	10.71	23.69	46.00	-22.31	AV	N
11*	2.818	9.35	10.78	20.13	46.00	-25.87	AV	N
12*	17.474	16.22	11.50	27.72	50.00	-22.28	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	74	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 0.8 m (above 1GHz is 1.5 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 0.8 m (above 1GHz is 1.5 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:

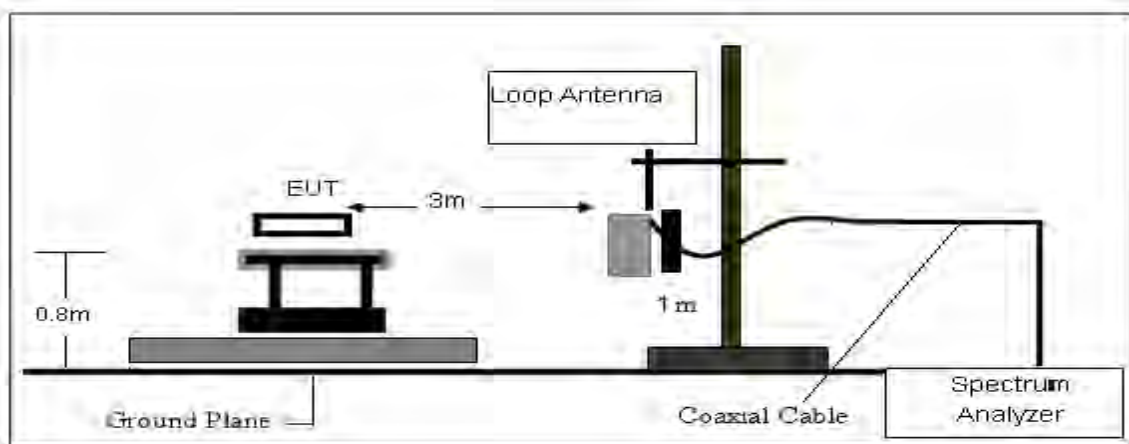
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

3.2.2 DEVIATION FROM TEST STANDARD

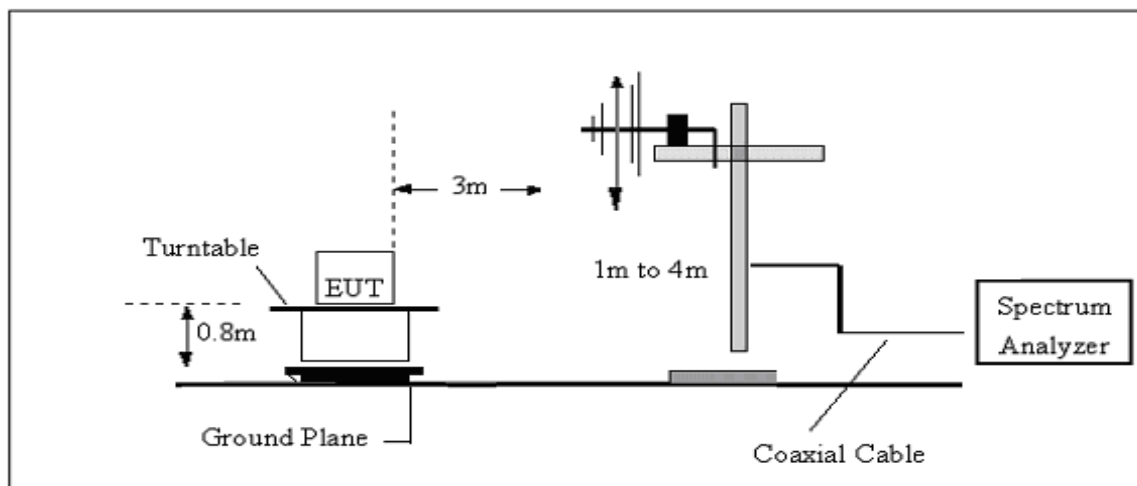
No deviation

3.2.3 TEST SETUP

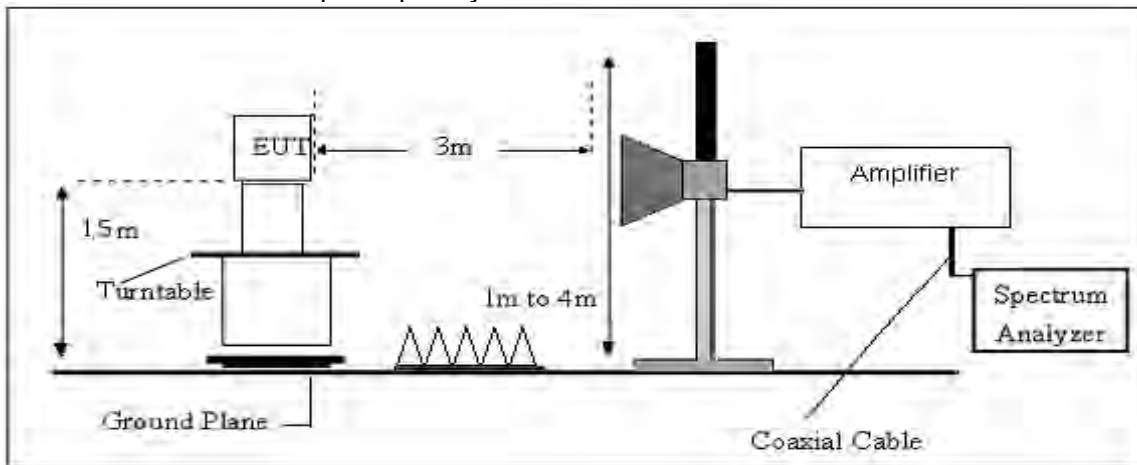
(A) Radiated Emission Test-Up Frequency Below 30MHz



(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.

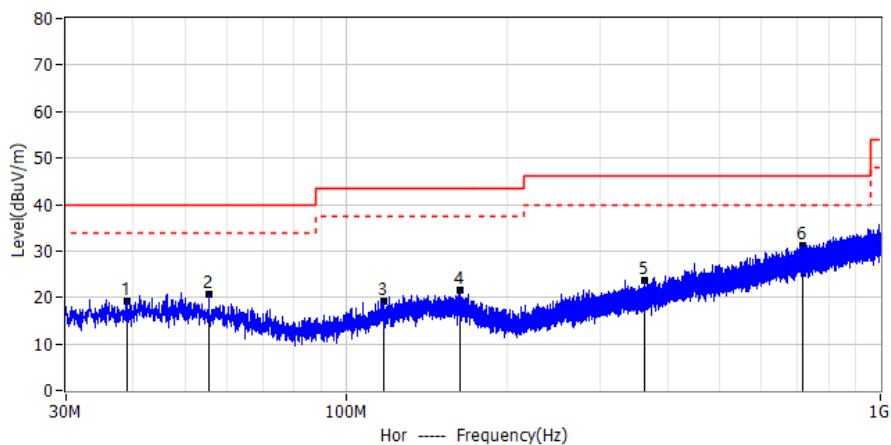
Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

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

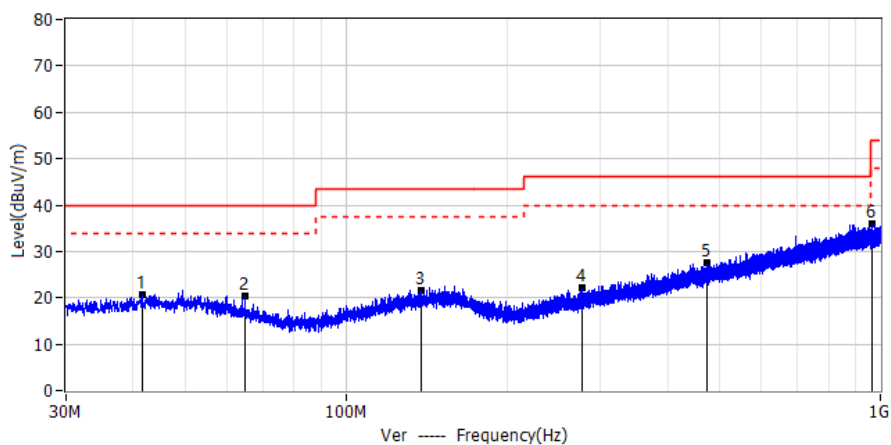


Results of Radiated Emissions (30MHz~1000MHz)

Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 25°C
M/N: BC-BD06-M10	Humidity: 58%RH
Test Voltage: Battery	Test Data: 2024-12-11
Test Mode: TX 802.11a 5180	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	39.070	35.60	-16.35	19.25	40.00	-20.75	QP	Hor
2*	55.414	36.85	-16.21	20.64	40.00	-19.36	QP	Hor
3*	117.785	34.73	-15.42	19.31	43.50	-24.19	QP	Hor
4*	163.472	35.08	-13.65	21.43	43.50	-22.07	QP	Hor
5*	361.692	36.40	-12.71	23.69	46.00	-22.31	QP	Hor
6*	714.044	35.28	-4.07	31.21	46.00	-14.79	QP	Hor

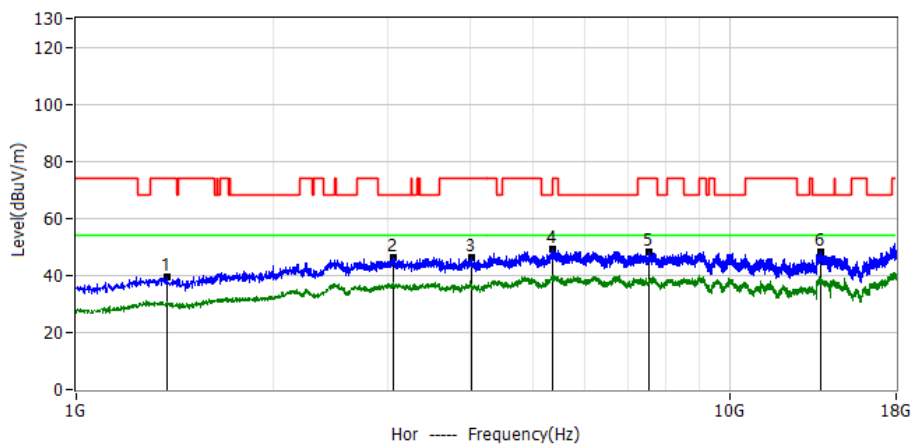


No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	41.737	36.41	-15.75	20.66	40.00	-19.34	QP	Ver
2*	64.920	37.48	-17.16	20.32	40.00	-19.68	QP	Ver
3*	138.446	35.28	-13.83	21.45	43.50	-22.05	QP	Ver
4*	276.865	37.32	-15.23	22.09	46.00	-23.91	QP	Ver
5*	474.697	36.81	-9.39	27.42	46.00	-18.58	QP	Ver
6*	966.147	36.22	-0.15	36.07	54.00	-17.93	QP	Ver

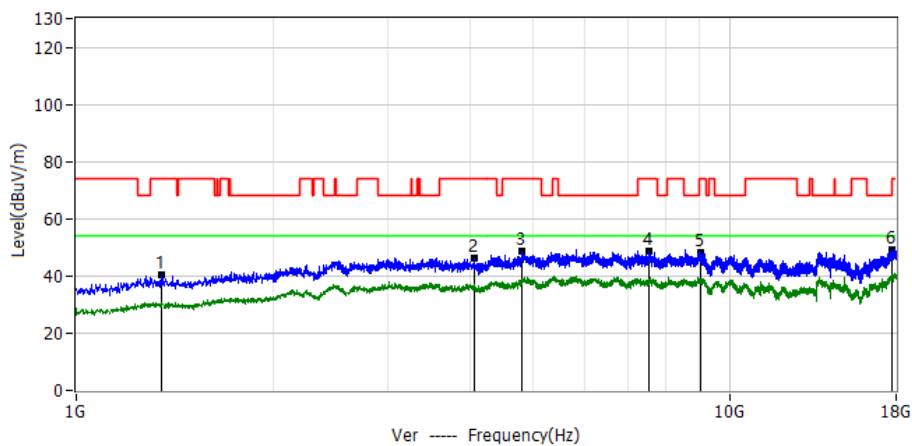


Results of Radiated Emissions (Above 1000MHz)

Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 23.4°C
M/N: BC-BD06-M10	Humidity: 50%RH
Test Voltage: Battery	Test Data: 2025-02-20
Test Mode: 802.11a 5180	
Note:	



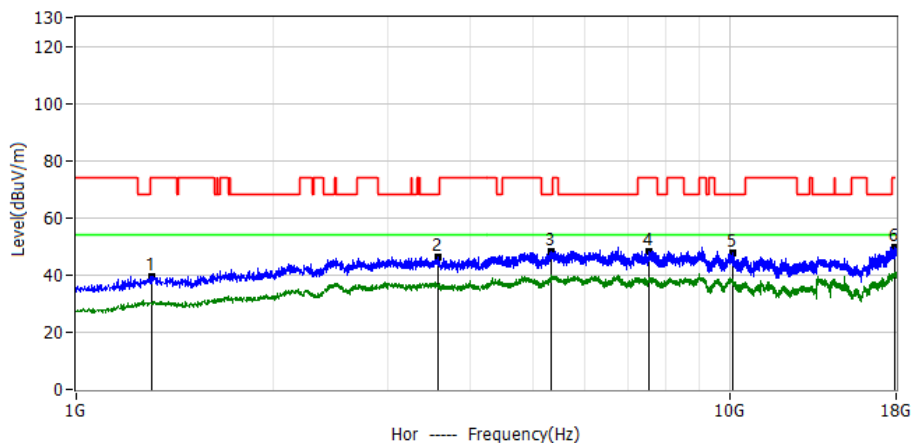
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1376.1000	61.00	-21.62	39.38	74.00	-34.62	PK	Hor
2*	3063.4000	54.77	-8.67	46.10	68.20	-22.10	PK	Hor
3*	4026.0000	52.95	-6.82	46.13	74.00	-27.87	PK	Hor
4*	5356.2000	55.79	-6.63	49.16	74.00	-24.84	PK	Hor
5*	7521.6000	56.79	-8.40	48.39	74.00	-25.61	PK	Hor
6*	13805.2000	51.51	-3.39	48.12	68.20	-20.08	PK	Hor



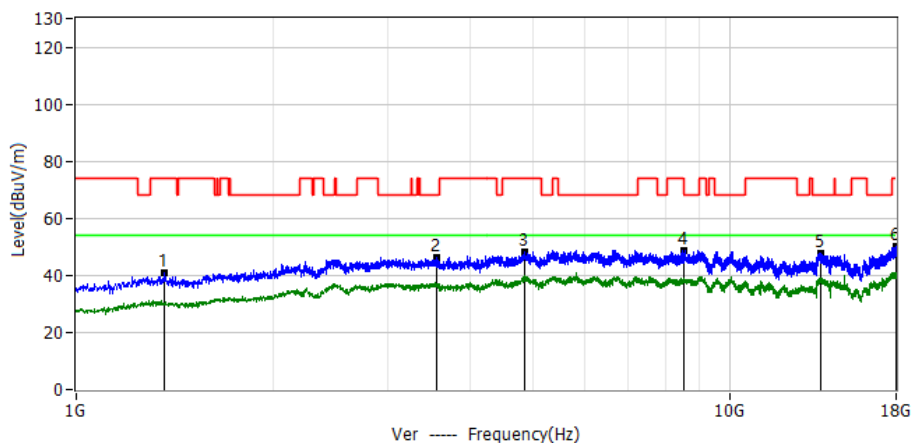
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1348.5000	62.06	-21.85	40.21	74.00	-33.79	PK	Ver
2*	4062.1000	53.24	-6.78	46.46	74.00	-27.54	PK	Ver
3*	4812.2000	54.82	-6.10	48.72	74.00	-25.28	PK	Ver
4*	7536.5000	57.33	-8.44	48.89	74.00	-25.11	PK	Ver
5*	9055.9000	56.41	-8.01	48.40	74.00	-25.60	PK	Ver
6*	17766.2000	52.11	-2.73	49.38	74.00	-24.62	PK	Ver



Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 23.4°C
M/N: BC-BD06-M10	Humidity: 50%RH
Test Voltage: Battery	Test Data: 2025-02-20
Test Mode: 802.11a 5200	
Note:	



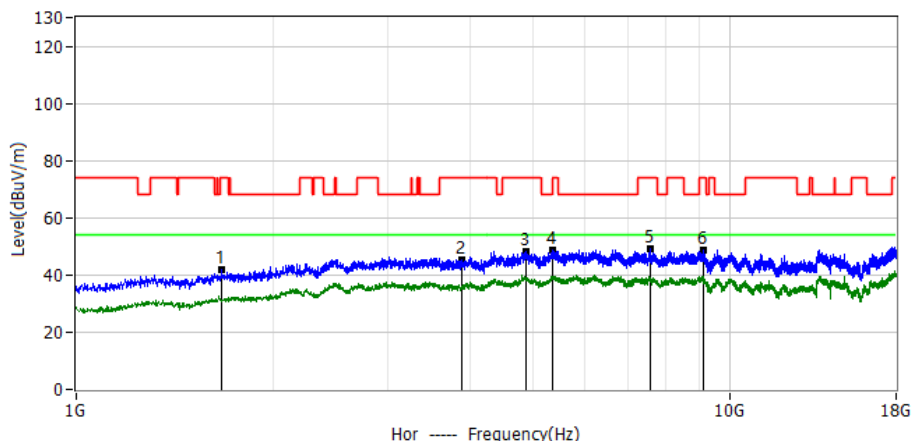
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1306.0000	61.89	-22.22	39.67	74.00	-34.33	PK	Hor
2*	3577.6000	54.06	-7.87	46.19	68.20	-22.01	PK	Hor
3*	5345.6000	54.71	-6.61	48.10	68.20	-20.10	PK	Hor
4*	7525.9000	56.63	-8.41	48.22	74.00	-25.78	PK	Hor
5*	10101.4000	54.16	-6.54	47.62	68.20	-20.58	PK	Hor
6*	17953.2000	52.29	-2.60	49.69	74.00	-24.31	PK	Hor



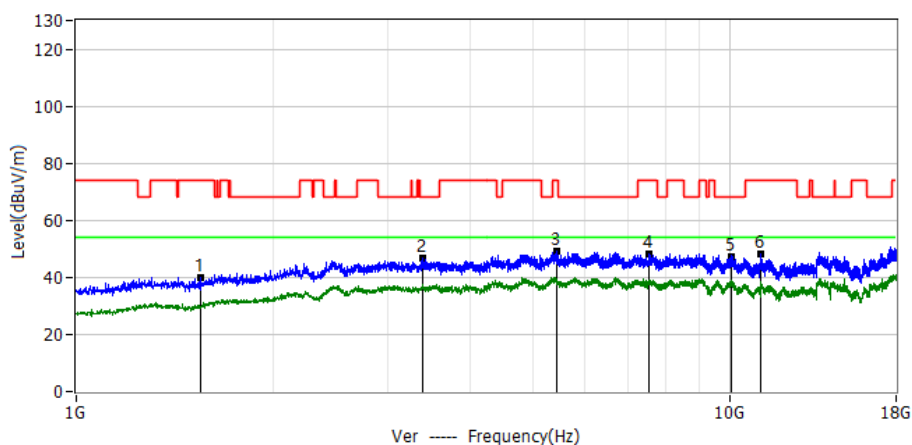
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1365.5000	62.46	-21.71	40.75	74.00	-33.25	PK	Ver
2*	3564.9000	54.20	-7.90	46.30	68.20	-21.90	PK	Ver
3*	4852.6000	54.49	-6.07	48.42	74.00	-25.58	PK	Ver
4*	8494.9000	57.76	-8.90	48.86	74.00	-25.14	PK	Ver
5*	13826.5000	51.24	-3.34	47.90	68.20	-20.30	PK	Ver
6*	17963.9000	52.57	-2.60	49.97	74.00	-24.03	PK	Ver



Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 23.4°C
M/N: BC-BD06-M10	Humidity: 50%RH
Test Voltage: Battery	Test Data: 2025-02-20
Test Mode: 802.11a 5240	
Note:	



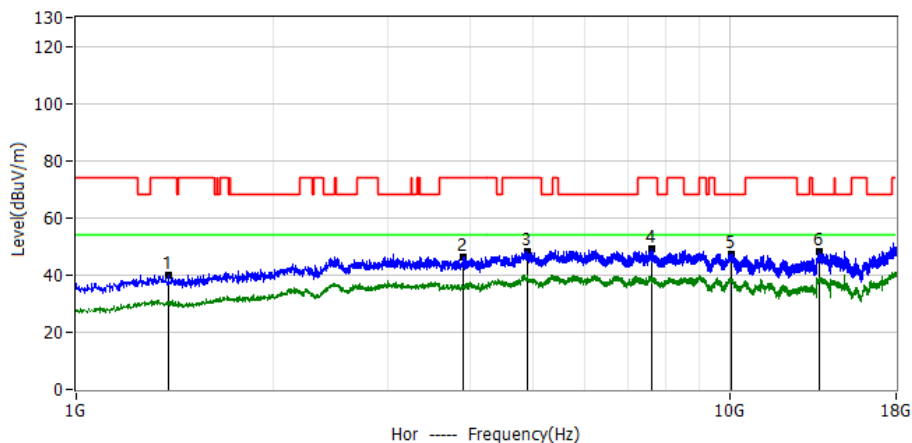
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1667.2000	61.01	-19.36	41.65	74.00	-32.35	PK	Hor
2*	3900.6000	52.54	-7.09	45.45	74.00	-28.55	PK	Hor
3*	4886.6000	54.23	-6.05	48.18	74.00	-25.82	PK	Hor
4*	5354.1000	55.49	-6.62	48.87	74.00	-25.13	PK	Hor
5*	7557.7000	57.53	-8.49	49.04	74.00	-24.96	PK	Hor
6*	9102.6000	56.43	-7.94	48.49	74.00	-25.51	PK	Hor



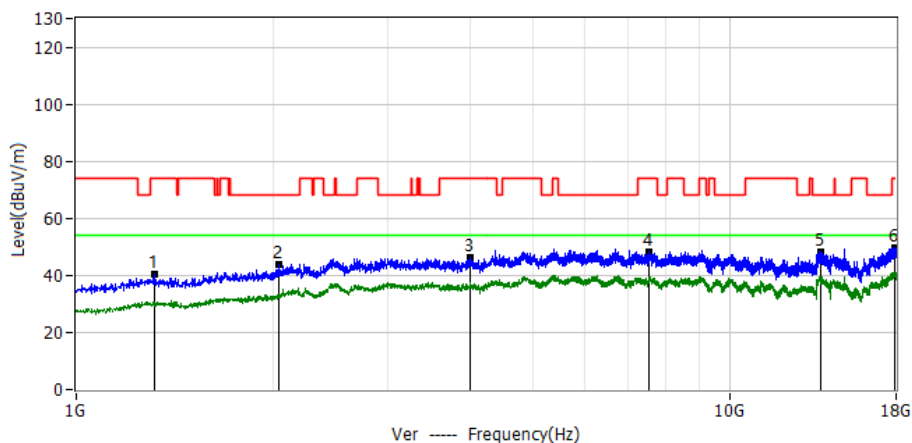
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1550.4000	60.44	-20.44	40.00	74.00	-34.00	PK	Ver
2*	3392.7000	54.73	-8.21	46.52	68.20	-21.68	PK	Ver
3*	5432.7000	55.71	-6.76	48.95	74.00	-25.05	PK	Ver
4*	7523.7000	56.42	-8.40	48.02	74.00	-25.98	PK	Ver
5*	10054.6000	54.00	-6.53	47.47	68.20	-20.73	PK	Ver
6*	11180.9000	54.48	-6.44	48.04	74.00	-25.96	PK	Ver



Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 23.4°C
M/N: BC-BD06-M10	Humidity: 50%RH
Test Voltage: Battery	Test Data: 2025-02-20
Test Mode: 802.11a 5260	
Note:	



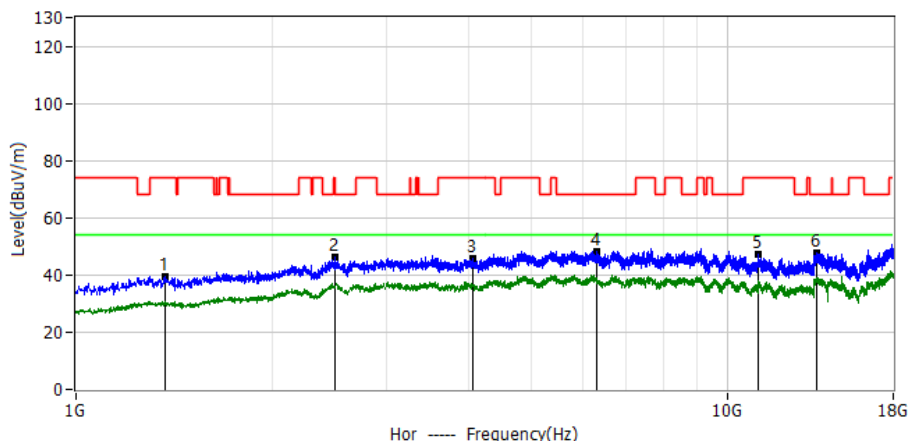
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1384.6000	61.44	-21.55	39.89	74.00	-34.11	PK	Hor
2*	3919.7000	53.47	-7.04	46.43	74.00	-27.57	PK	Hor
3*	4895.1000	54.19	-6.05	48.14	74.00	-25.86	PK	Hor
4*	7587.5000	57.78	-8.57	49.21	74.00	-24.79	PK	Hor
5*	10075.9000	53.91	-6.54	47.37	68.20	-20.83	PK	Hor
6*	13739.4000	51.64	-3.56	48.08	68.20	-20.12	PK	Hor



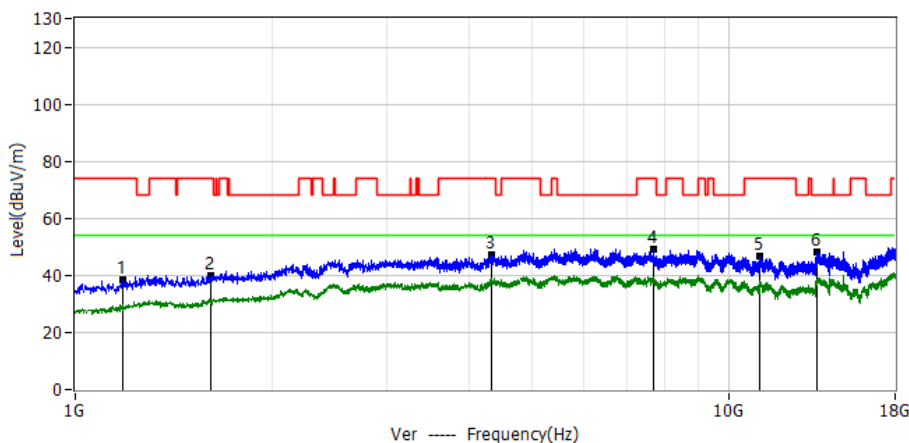
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1316.6000	62.40	-22.13	40.27	74.00	-33.73	PK	Ver
2*	2039.1000	59.03	-15.39	43.64	68.20	-24.56	PK	Ver
3*	4009.0000	53.25	-6.84	46.41	74.00	-27.59	PK	Ver
4*	7523.7000	56.53	-8.40	48.13	74.00	-25.87	PK	Ver
5*	13790.4000	51.45	-3.43	48.02	68.20	-20.18	PK	Ver
6*	17927.7000	52.40	-2.62	49.78	74.00	-24.22	PK	Ver



Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 23.4°C
M/N: BC-BD06-M10	Humidity: 50%RH
Test Voltage: Battery	Test Data: 2025-02-20
Test Mode: 802.11a 5300	
Note:	



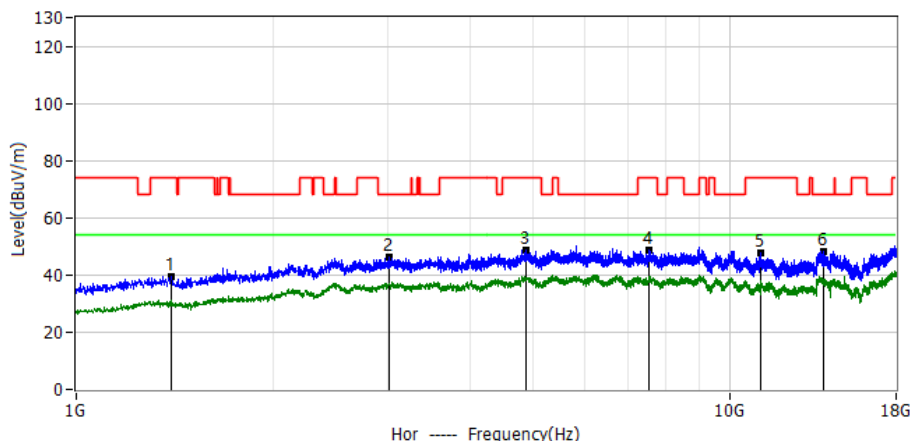
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1367.6000	61.16	-21.69	39.47	74.00	-34.53	PK	Hor
2*	2496.0000	56.87	-10.72	46.15	74.00	-27.85	PK	Hor
3*	4074.9000	52.45	-6.76	45.69	74.00	-28.31	PK	Hor
4*	6297.6000	55.76	-7.56	48.20	68.20	-20.00	PK	Hor
5*	11180.9000	53.66	-6.44	47.22	74.00	-26.78	PK	Hor
6*	13733.0000	51.12	-3.57	47.55	68.20	-20.65	PK	Hor



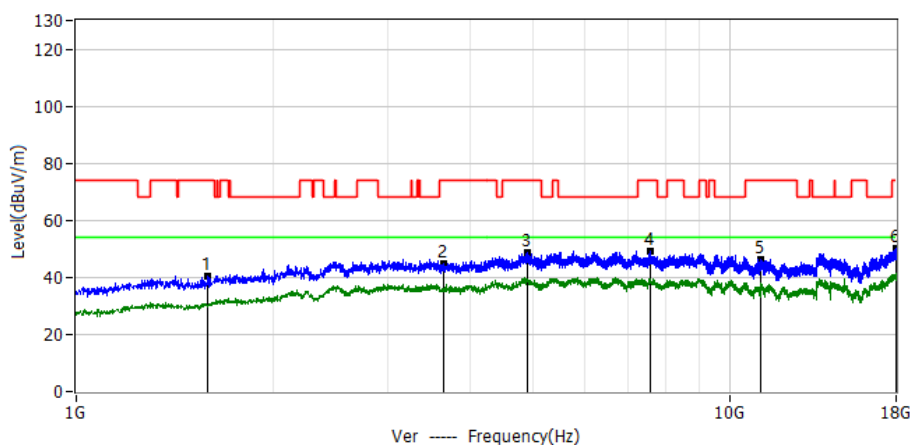
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1184.9000	61.73	-23.27	38.46	74.00	-35.54	PK	Ver
2*	1614.1000	59.74	-19.92	39.82	74.00	-34.18	PK	Ver
3*	4344.7000	53.54	-6.45	47.09	74.00	-26.91	PK	Ver
4*	7676.7000	57.88	-8.81	49.07	74.00	-24.93	PK	Ver
5*	11187.2000	53.11	-6.44	46.67	74.00	-27.33	PK	Ver
6*	13671.4000	51.89	-3.73	48.16	68.20	-20.04	PK	Ver



Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 23.4°C
M/N: BC-BD06-M10	Humidity: 50%RH
Test Voltage: Battery	Test Data: 2025-02-20
Test Mode: 802.11a 5320	
Note:	



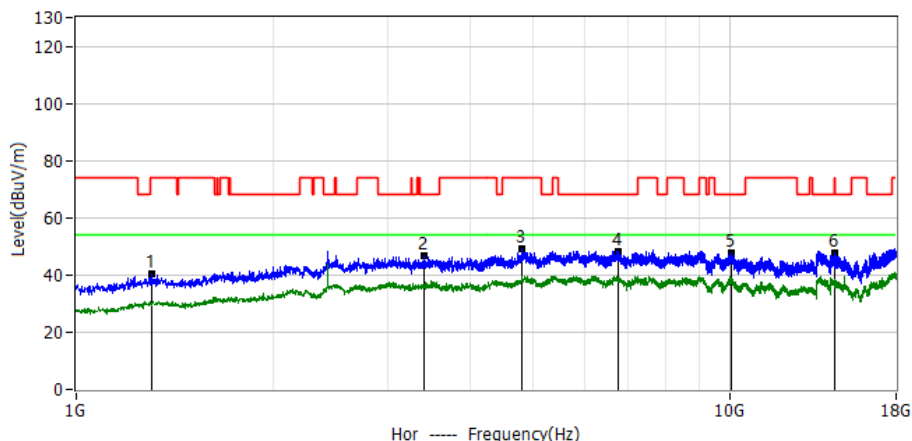
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1399.5000	60.69	-21.42	39.27	74.00	-34.73	PK	Hor
2*	3012.4000	55.12	-8.74	46.38	68.20	-21.82	PK	Hor
3*	4893.0000	54.79	-6.05	48.74	74.00	-25.26	PK	Hor
4*	7534.4000	56.96	-8.43	48.53	74.00	-25.47	PK	Hor
5*	11144.7000	54.23	-6.47	47.76	74.00	-26.24	PK	Hor
6*	13928.5000	51.21	-3.08	48.13	68.20	-20.07	PK	Hor



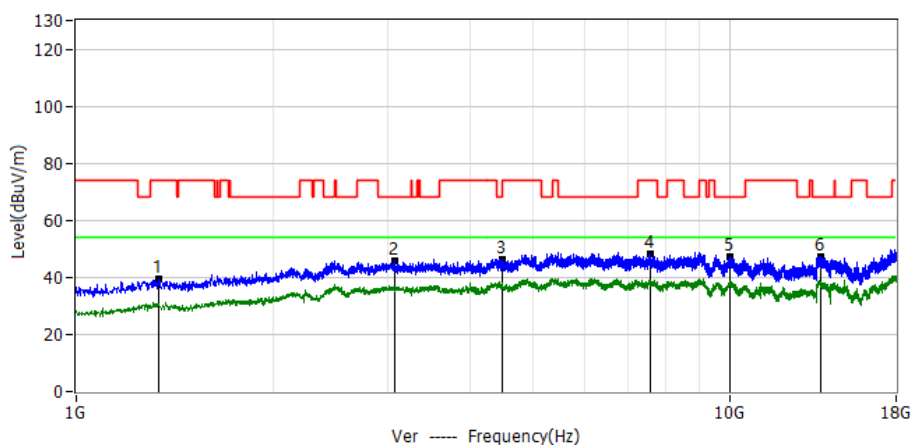
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1590.7000	60.52	-20.13	40.39	74.00	-33.61	PK	Ver
2*	3645.6000	52.59	-7.70	44.89	74.00	-29.11	PK	Ver
3*	4897.2000	54.78	-6.05	48.73	74.00	-25.27	PK	Ver
4*	7574.7000	57.54	-8.54	49.00	74.00	-25.00	PK	Ver
5*	11187.2000	52.82	-6.44	46.38	74.00	-27.62	PK	Ver
6*	17997.9000	52.66	-2.57	50.09	74.00	-23.91	PK	Ver



Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 23.4°C
M/N: BC-BD06-M10	Humidity: 50%RH
Test Voltage: Battery	Test Data: 2025-02-20
Test Mode: 802.11a 5500	
Note:	



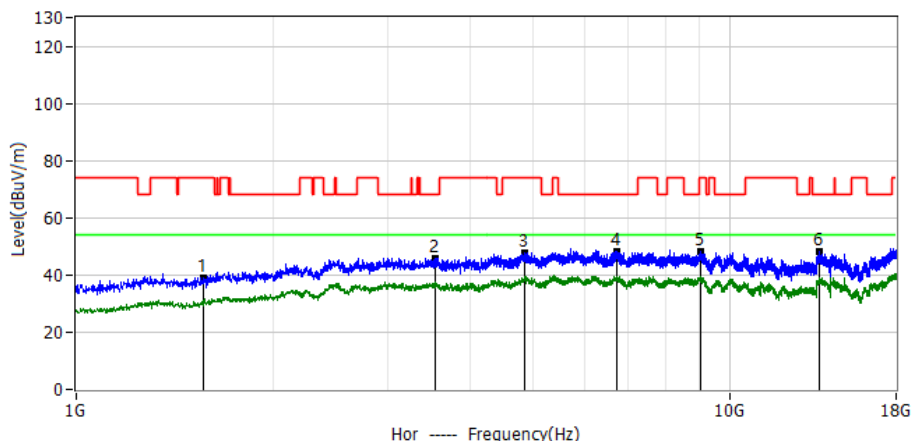
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1306.0000	62.47	-22.22	40.25	74.00	-33.75	PK	Hor
2*	3403.4000	55.12	-8.19	46.93	68.20	-21.27	PK	Hor
3*	4808.0000	55.35	-6.10	49.25	74.00	-24.75	PK	Hor
4*	6754.5000	56.07	-7.90	48.17	68.20	-20.03	PK	Hor
5*	10078.0000	54.25	-6.54	47.71	68.20	-20.49	PK	Hor
6*	14470.4000	52.60	-4.82	47.78	74.00	-26.22	PK	Hor



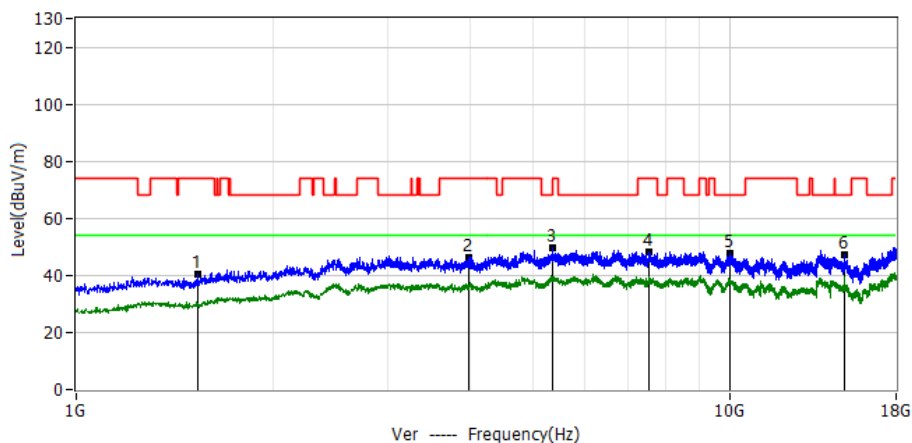
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1337.9000	61.49	-21.94	39.55	74.00	-34.45	PK	Ver
2*	3065.5000	54.36	-8.67	45.69	68.20	-22.51	PK	Ver
3*	4497.7000	52.62	-6.27	46.35	68.20	-21.85	PK	Ver
4*	7572.6000	56.94	-8.53	48.41	74.00	-25.59	PK	Ver
5*	10007.9000	53.60	-6.53	47.07	68.20	-21.13	PK	Ver
6*	13764.9000	50.92	-3.49	47.43	68.20	-20.77	PK	Ver



Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 23.4°C
M/N: BC-BD06-M10	Humidity: 50%RH
Test Voltage: Battery	Test Data: 2025-02-20
Test Mode: 802.11a 5580	
Note:	



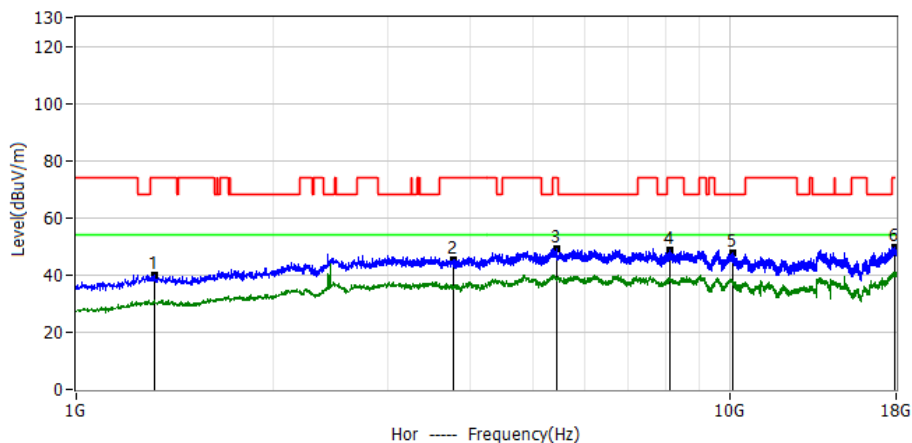
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1567.4000	59.33	-20.31	39.02	74.00	-34.98	PK	Hor
2*	3547.9000	53.82	-7.94	45.88	68.20	-22.32	PK	Hor
3*	4854.7000	53.91	-6.07	47.84	74.00	-26.16	PK	Hor
4*	6731.1000	56.04	-7.88	48.16	68.20	-20.04	PK	Hor
5*	9045.2000	56.40	-8.03	48.37	74.00	-25.63	PK	Hor
6*	13741.5000	51.61	-3.55	48.06	68.20	-20.14	PK	Hor



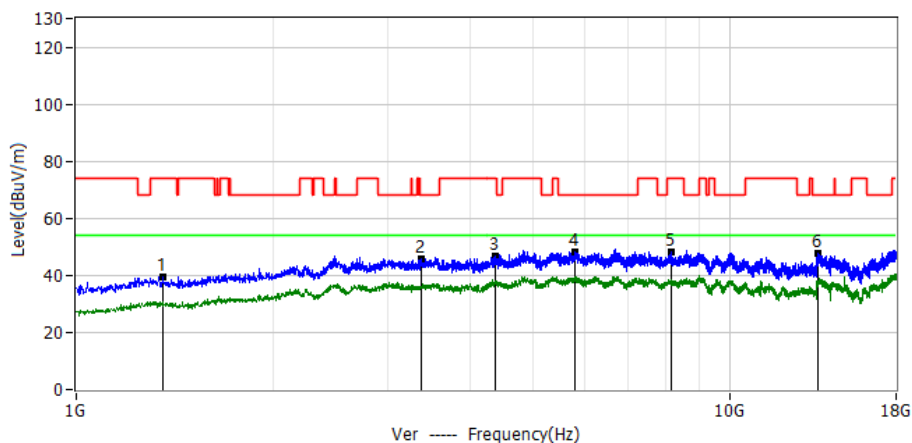
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1531.2000	60.83	-20.58	40.25	74.00	-33.75	PK	Ver
2*	3994.1000	53.25	-6.86	46.39	74.00	-27.61	PK	Ver
3*	5352.0000	56.41	-6.62	49.79	74.00	-24.21	PK	Ver
4*	7525.9000	56.57	-8.41	48.16	74.00	-25.84	PK	Ver
5*	10020.6000	54.35	-6.53	47.82	68.20	-20.38	PK	Ver
6*	14982.5000	51.22	-3.86	47.36	68.20	-20.84	PK	Ver



Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 23.4°C
M/N: BC-BD06-M10	Humidity: 50%RH
Test Voltage: Battery	Test Data: 2025-02-20
Test Mode: 802.11a 5700	
Note:	



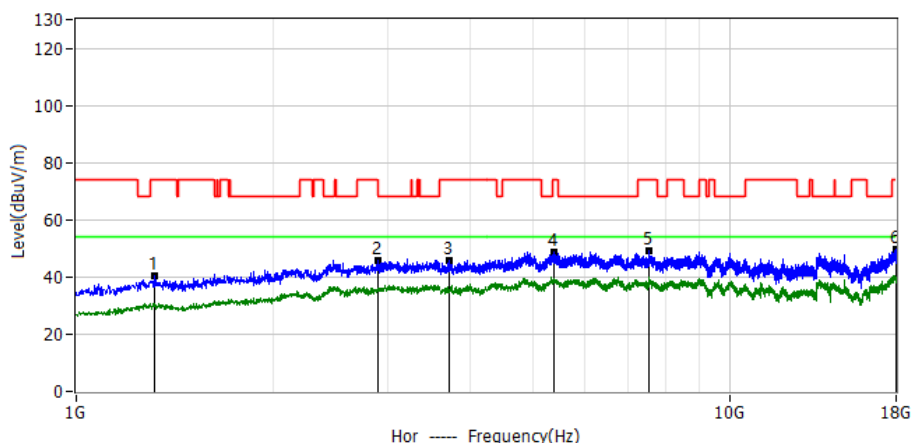
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1318.7000	62.16	-22.11	40.05	74.00	-33.95	PK	Hor
2*	3785.9000	52.69	-7.37	45.32	74.00	-28.68	PK	Hor
3*	5445.5000	56.13	-6.79	49.34	74.00	-24.66	PK	Hor
4*	8103.9000	58.32	-9.52	48.80	74.00	-25.20	PK	Hor
5*	10112.0000	54.17	-6.54	47.63	68.20	-20.57	PK	Hor
6*	17944.7000	52.28	-2.61	49.67	74.00	-24.33	PK	Hor



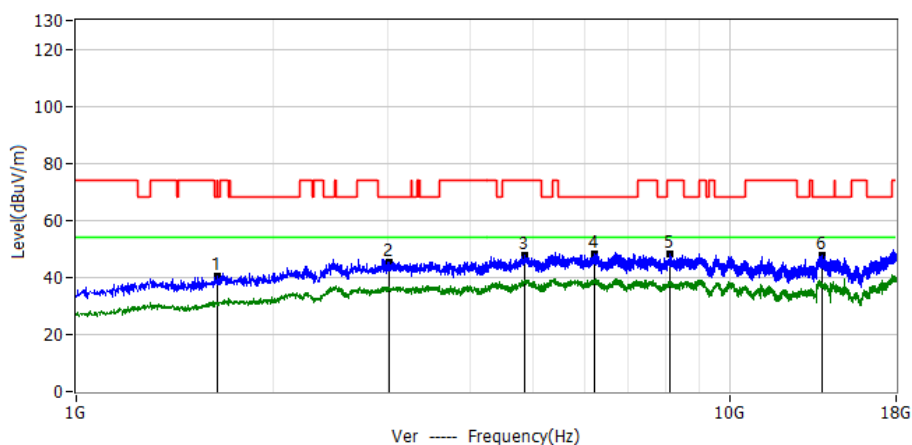
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1357.0000	61.02	-21.78	39.24	74.00	-34.76	PK	Ver
2*	3367.2000	53.96	-8.24	45.72	68.20	-22.48	PK	Ver
3*	4372.4000	53.34	-6.42	46.92	74.00	-27.08	PK	Ver
4*	5806.7000	55.34	-7.19	48.15	68.20	-20.05	PK	Ver
5*	8157.0000	57.80	-9.43	48.37	74.00	-25.63	PK	Ver
6*	13682.0000	51.21	-3.70	47.51	68.20	-20.69	PK	Ver



Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 23.4°C
M/N: BC-BD06-M10	Humidity: 50%RH
Test Voltage: Battery	Test Data: 2025-02-20
Test Mode: 802.11a 5745	
Note:	



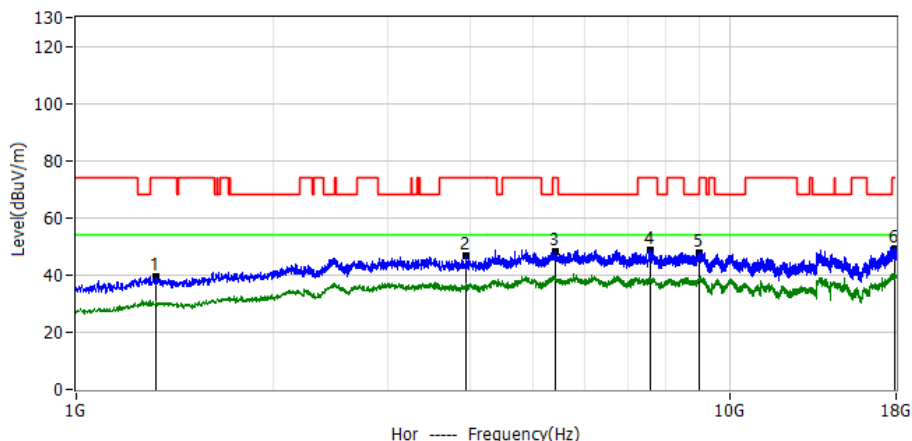
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1318.7000	62.71	-22.11	40.60	74.00	-33.40	PK	Hor
2*	2901.9000	54.84	-9.14	45.70	68.20	-22.50	PK	Hor
3*	3715.7000	53.52	-7.54	45.98	74.00	-28.02	PK	Hor
4*	5381.7000	55.57	-6.67	48.90	74.00	-25.10	PK	Hor
5*	7528.0000	57.42	-8.42	49.00	74.00	-25.00	PK	Hor
6*	17985.1000	52.40	-2.58	49.82	74.00	-24.18	PK	Hor



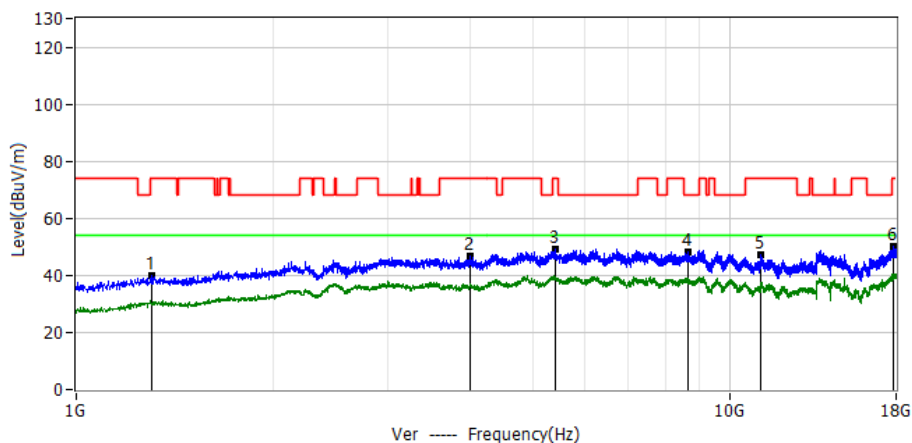
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1646.0000	59.76	-19.59	40.17	74.00	-33.83	PK	Ver
2*	3010.2000	54.21	-8.75	45.46	68.20	-22.74	PK	Ver
3*	4852.6000	53.74	-6.07	47.67	74.00	-26.33	PK	Ver
4*	6208.4000	55.58	-7.51	48.07	68.20	-20.13	PK	Ver
5*	8125.1000	57.69	-9.48	48.21	74.00	-25.79	PK	Ver
6*	13864.7000	50.94	-3.24	47.70	68.20	-20.50	PK	Ver



Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 23.4°C
M/N: BC-BD06-M10	Humidity: 50%RH
Test Voltage: Battery	Test Data: 2025-02-20
Test Mode: 802.11a 5785	
Note:	



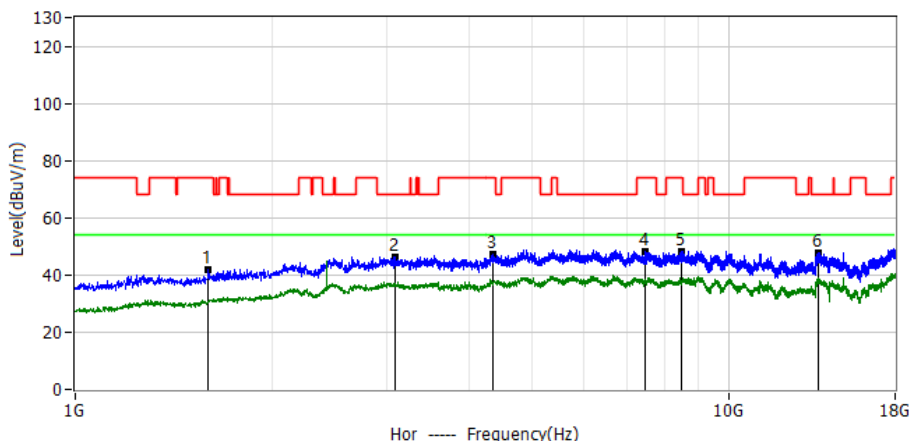
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1325.1000	61.43	-22.05	39.38	74.00	-34.62	PK	Hor
2*	3951.6000	53.85	-6.97	46.88	74.00	-27.12	PK	Hor
3*	5405.1000	54.73	-6.72	48.01	74.00	-25.99	PK	Hor
4*	7572.6000	57.23	-8.53	48.70	74.00	-25.30	PK	Hor
5*	8994.2000	55.79	-8.11	47.68	68.20	-20.52	PK	Hor
6*	17955.4000	51.76	-2.60	49.16	74.00	-24.84	PK	Hor



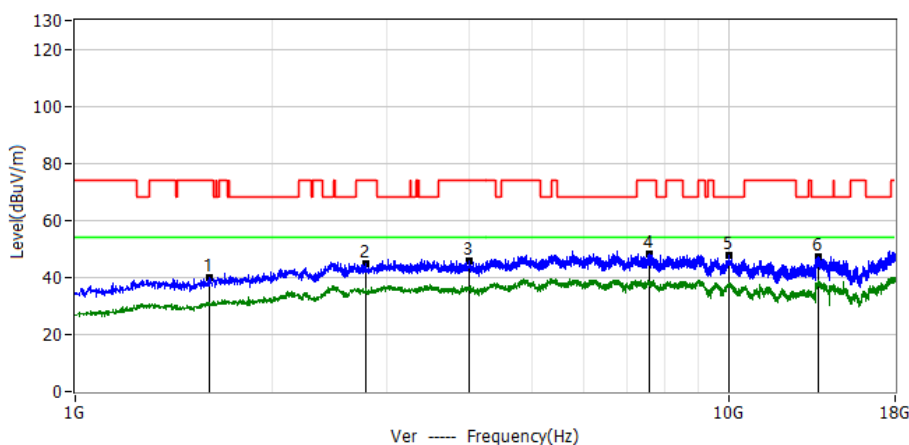
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1303.9000	61.94	-22.23	39.71	74.00	-34.29	PK	Ver
2*	4000.5000	53.47	-6.85	46.62	74.00	-27.38	PK	Ver
3*	5413.6000	55.69	-6.73	48.96	74.00	-25.04	PK	Ver
4*	8645.7000	56.79	-8.66	48.13	68.20	-20.07	PK	Ver
5*	11142.6000	53.69	-6.48	47.21	74.00	-26.79	PK	Ver
6*	17847.0000	52.79	-2.68	50.11	74.00	-23.89	PK	Ver



Project: LGT24K127	Test Engineer: LiuH
EUT: Battery Camera	Temperature: 23.4°C
M/N: BC-BD06-M10	Humidity: 50%RH
Test Voltage: Battery	Test Data: 2025-02-20
Test Mode: 802.11a 5825	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1595.0000	61.92	-20.10	41.82	74.00	-32.18	PK	Hor
2*	3095.2000	54.90	-8.63	46.27	68.20	-21.93	PK	Hor
3*	4368.1000	53.64	-6.42	47.22	74.00	-26.78	PK	Hor
4*	7468.5000	56.52	-8.32	48.20	74.00	-25.80	PK	Hor
5*	8463.0000	57.31	-8.95	48.36	74.00	-25.64	PK	Hor
6*	13737.2000	51.23	-3.56	47.67	68.20	-20.53	PK	Hor



No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1601.4000	60.18	-20.05	40.13	74.00	-33.87	PK	Ver
2*	2780.7000	54.34	-9.60	44.74	74.00	-29.26	PK	Ver
3*	4004.7000	52.73	-6.84	45.89	74.00	-28.11	PK	Ver
4*	7576.9000	56.74	-8.55	48.19	74.00	-25.81	PK	Ver
5*	10041.9000	54.45	-6.53	47.92	68.20	-20.28	PK	Ver
6*	13703.2000	51.03	-3.65	47.38	68.20	-20.82	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.

Band I(5.15-5.35) GHz							
Frequency (MHz)	Reading (dBμV)	Corrected Factor (dB)	Result (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector	Polarity
802.11a BW20MHz							
5150	56.41	-7.51	48.90	74	-25.10	PK	Vertical
5150	45.11	-7.51	37.60	54	-16.40	AV	Vertical
5150	55.08	-7.51	47.57	74	-26.43	PK	Horizontal
5150	44.77	-7.51	37.26	54	-16.74	AV	Horizontal
5350	54.98	-8.19	46.79	74	-27.21	PK	Vertical
5350	43.72	-8.19	35.53	54	-18.47	AV	Vertical
5350	54.37	-8.19	46.18	74	-27.82	PK	Horizontal
5350	43.88	-8.19	35.69	54	-18.31	AV	Horizontal
802.11n BW20MHz							
5150	55.91	-7.51	48.40	74	-25.60	Peak	Vertical
5150	45.14	-7.51	37.63	54	-16.37	AVG	Vertical
5150	56.50	-7.51	48.99	74	-25.01	Peak	Horizontal
5150	45.23	-7.51	37.72	54	-16.28	AVG	Horizontal
5350	54.77	-8.19	46.58	74	-27.42	Peak	Vertical
5350	44.84	-8.19	36.65	54	-17.35	AVG	Vertical
5350	54.10	-8.19	45.91	74	-28.09	Peak	Horizontal
5350	43.51	-8.19	35.32	54	-18.68	AVG	Horizontal
802.11n BW40MHz							
5150	55.16	-7.51	47.65	74	-26.35	Peak	Vertical
5150	44.46	-7.51	36.95	54	-17.05	AVG	Vertical
5150	55.10	-7.51	47.59	74	-26.41	Peak	Horizontal
5150	44.83	-7.51	37.32	54	-16.68	AVG	Horizontal
5350	54.83	-8.19	46.64	74	-27.36	Peak	Vertical
5350	44.39	-8.19	36.20	54	-17.80	AVG	Vertical
5350	54.45	-8.19	46.26	74	-27.74	Peak	Horizontal
5350	43.54	-8.19	35.35	54	-18.65	AVG	Horizontal

Band III(5.47-5.725 GHz)							
Frequency (MHz)	Reading (dBμV)	Corrected Factor (dB)	Result (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector	Polarity
802.11a BW20MHz							
5460	53.30	-8.27	45.03	74	-28.97	PK	Vertical
5460	42.60	-8.27	34.33	54	-19.67	AV	Vertical
5460	53.94	-8.27	45.67	74	-28.33	PK	Horizontal
5460	43.60	-8.27	35.33	54	-18.67	AV	Horizontal
7250	54.44	-6.33	48.11	74	-25.89	PK	Vertical
7250	44.78	-6.33	38.45	54	-15.55	AV	Vertical
7250	54.43	-6.33	48.10	74	-25.90	PK	Horizontal
7250	44.40	-6.33	38.07	54	-15.93	AV	Horizontal
802.11n BW20MHz							
5460	53.19	-8.27	44.92	74	-29.08	PK	Vertical
5460	43.68	-8.27	35.41	54	-18.59	AV	Vertical
5460	54.01	-8.27	45.74	74	-28.26	PK	Horizontal
5460	42.75	-8.27	34.48	54	-19.52	AV	Horizontal
7250	55.12	-6.33	48.79	74	-25.21	PK	Vertical
7250	43.98	-6.33	37.65	54	-16.35	AV	Vertical



7250	54.38	-6.33	48.05	74	-25.95	PK	Horizontal
7250	44.66	-6.33	38.33	54	-15.67	AV	Horizontal
802.11n BW40MHz							
5460	54.50	-8.27	46.23	74	-27.77	PK	Vertical
5460	42.54	-8.27	34.27	54	-19.73	AV	Vertical
5460	53.28	-8.27	45.01	74	-28.99	PK	Horizontal
5460	43.85	-8.27	35.58	54	-18.42	AV	Horizontal
7250	55.03	-6.33	48.70	74	-25.30	PK	Vertical
7250	44.64	-6.33	38.31	54	-15.69	AV	Vertical
7250	55.23	-6.33	48.90	74	-25.10	PK	Horizontal
7250	44.65	-6.33	38.32	54	-15.68	AV	Horizontal

Band IV(5.725-5.85 GHz)							
Frequency (MHz)	Reading (dBμV)	Corrected Factor (dB)	Result (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector	Polarity
802.11a BW20MHz							
5460	53.58	-8.27	45.31	74	-28.69	PK	Vertical
5460	42.59	-8.27	34.32	54	-19.68	AV	Vertical
5460	53.32	-8.27	45.05	74	-28.95	PK	Horizontal
5460	43.20	-8.27	34.93	54	-19.07	AV	Horizontal
7250	55.05	-6.33	48.72	74	-25.28	PK	Vertical
7250	44.35	-6.33	38.02	54	-15.98	AV	Vertical
7250	54.65	-6.33	48.32	74	-25.68	PK	Horizontal
7250	44.24	-6.33	37.91	54	-16.09	AV	Horizontal
802.11n BW20MHz							
5460	54.45	-8.27	46.18	74	-27.82	PK	Vertical
5460	43.28	-8.27	35.01	54	-18.99	AV	Vertical
5460	54.11	-8.27	45.84	74	-28.16	PK	Horizontal
5460	43.85	-8.27	35.58	54	-18.42	AV	Horizontal
7250	54.20	-6.33	47.87	74	-26.13	PK	Vertical
7250	44.64	-6.33	38.31	54	-15.69	AV	Vertical
7250	54.22	-6.33	47.89	74	-26.11	PK	Horizontal
7250	44.92	-6.33	38.59	54	-15.41	AV	Horizontal
802.11n BW40MHz							
5460	53.78	-8.27	45.51	74	-28.49	PK	Vertical
5460	43.35	-8.27	35.08	54	-18.92	AV	Vertical
5460	53.91	-8.27	45.64	74	-28.36	PK	Horizontal
5460	43.89	-8.27	35.62	54	-18.38	AV	Horizontal
7250	55.07	-6.33	48.74	74	-25.26	PK	Vertical
7250	44.34	-6.33	38.01	54	-15.99	AV	Vertical
7250	55.27	-6.33	48.94	74	-25.06	PK	Horizontal
7250	44.83	-6.33	38.50	54	-15.50	AV	Horizontal



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 $11 \text{ dBm} + 10 \log B$, 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 $11 \text{ dBm} + 10 \log (26 \text{ dB emission bandwidth})$	5250-5350 5470-5725	
15.407(a) (3)		1 watt	5725-5825	

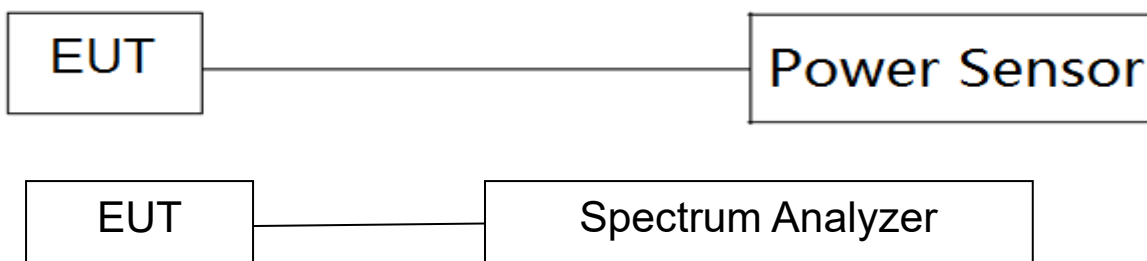
6.2 TEST PROCEDURE

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. CONDUCTED BANDEDGE

7.1 LIMIT

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:
 - a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
 - b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
 - c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
 - d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

7.2 TEST PROCEDURE

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak
RB / VB (emission in restricted band)	1 MHz / 3 MHz
Offset	Ant Gain+Test system loss

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 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.

7.6 TEST RESULTS

For the measurement records, refer to the appendix I.



8. AUTOMATICALLY DISCONTINUE TRANSMISSION

8.1 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.

8.2 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



9. ANTENNA REQUIREMENT

9.1 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.

9.2 EUT ANTENNA

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



APPENDIX I - TEST RESULTS

Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	94.99	0.22	0.73
NVNT	a	5200	95.06	0.22	0.73
NVNT	a	5240	95.06	0.22	0.73
NVNT	a	5260	92.98	0.32	0.73
NVNT	a	5300	92.98	0.32	0.73
NVNT	a	5320	92.98	0.32	0.73
NVNT	a	5500	92.98	0.32	0.73
NVNT	a	5580	92.98	0.32	0.73
NVNT	a	5700	92.98	0.32	0.73
NVNT	a	5745	94.99	0.22	0.73
NVNT	a	5785	95.06	0.22	0.73
NVNT	a	5825	94.99	0.22	0.73
NVNT	n20	5180	94.73	0.24	0.78
NVNT	n20	5200	94.66	0.24	0.78
NVNT	n20	5240	94.66	0.24	0.78
NVNT	n20	5260	92.53	0.34	0.78
NVNT	n20	5300	92.53	0.34	0.78
NVNT	n20	5320	92.53	0.34	0.78
NVNT	n20	5500	92.54	0.34	0.78
NVNT	n20	5580	92.53	0.34	0.78
NVNT	n20	5700	92.53	0.34	0.78
NVNT	n20	5745	94.66	0.24	0.78
NVNT	n20	5785	94.66	0.24	0.78
NVNT	n20	5825	94.73	0.24	0.78
NVNT	n40	5190	89.96	0.46	1.57
NVNT	n40	5230	89.96	0.46	1.57
NVNT	n40	5270	86.18	0.65	1.57
NVNT	n40	5310	86.06	0.65	1.57
NVNT	n40	5510	86.18	0.65	1.57
NVNT	n40	5550	86.18	0.65	1.57
NVNT	n40	5670	86.18	0.65	1.57
NVNT	n40	5755	86.18	0.65	1.57
NVNT	n40	5795	86.18	0.65	1.57
NVNT	ac20	5180	94.69	0.24	0.78
NVNT	ac20	5200	94.69	0.24	0.78
NVNT	ac20	5240	94.69	0.24	0.78
NVNT	ac20	5260	92.57	0.34	0.78
NVNT	ac20	5300	92.57	0.34	0.78
NVNT	ac20	5320	92.57	0.34	0.78
NVNT	ac20	5500	92.57	0.34	0.78
NVNT	ac20	5580	92.57	0.34	0.78
NVNT	ac20	5700	92.57	0.34	0.78
NVNT	ac20	5745	92.57	0.34	0.78
NVNT	ac20	5785	92.57	0.34	0.78
NVNT	ac20	5825	92.57	0.34	0.78
NVNT	ac40	5190	90.03	0.46	1.56
NVNT	ac40	5230	90.01	0.46	1.56
NVNT	ac40	5270	90.03	0.46	1.56
NVNT	ac40	5310	90.13	0.45	1.56
NVNT	ac40	5510	90.01	0.46	1.56
NVNT	ac40	5550	90.01	0.46	1.56

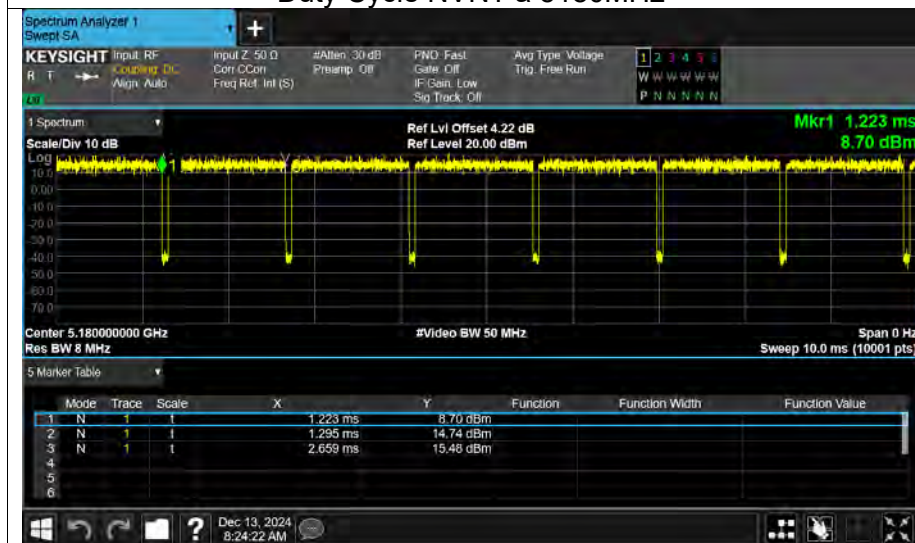


NVNT	ac40	5670	90.01	0.46	1.56
NVNT	ac40	5755	90.01	0.46	1.56
NVNT	ac40	5795	90.01	0.46	1.56
NVNT	ax20	5180	93.28	0.3	1
NVNT	ax20	5200	93.37	0.3	1
NVNT	ax20	5240	93.28	0.3	1
NVNT	ax20	5260	90.65	0.43	1
NVNT	ax20	5300	90.66	0.43	1
NVNT	ax20	5320	90.65	0.43	1
NVNT	ax20	5500	90.65	0.43	1
NVNT	ax20	5580	90.66	0.43	1
NVNT	ax20	5700	90.65	0.43	1
NVNT	ax20	5745	90.65	0.43	1
NVNT	ax20	5785	90.66	0.43	1
NVNT	ax20	5825	90.65	0.43	1
NVNT	ax40	5190	88.23	0.54	1.88
NVNT	ax40	5230	88.21	0.54	1.88
NVNT	ax40	5270	83.91	0.76	1.88
NVNT	ax40	5310	83.91	0.76	1.88
NVNT	ax40	5510	83.91	0.76	1.88
NVNT	ax40	5550	83.89	0.76	1.88
NVNT	ax40	5670	83.89	0.76	1.88
NVNT	ax40	5755	83.91	0.76	1.88
NVNT	ax40	5795	83.89	0.76	1.88



Test Graphs

Duty Cycle NVNT a 5180MHz

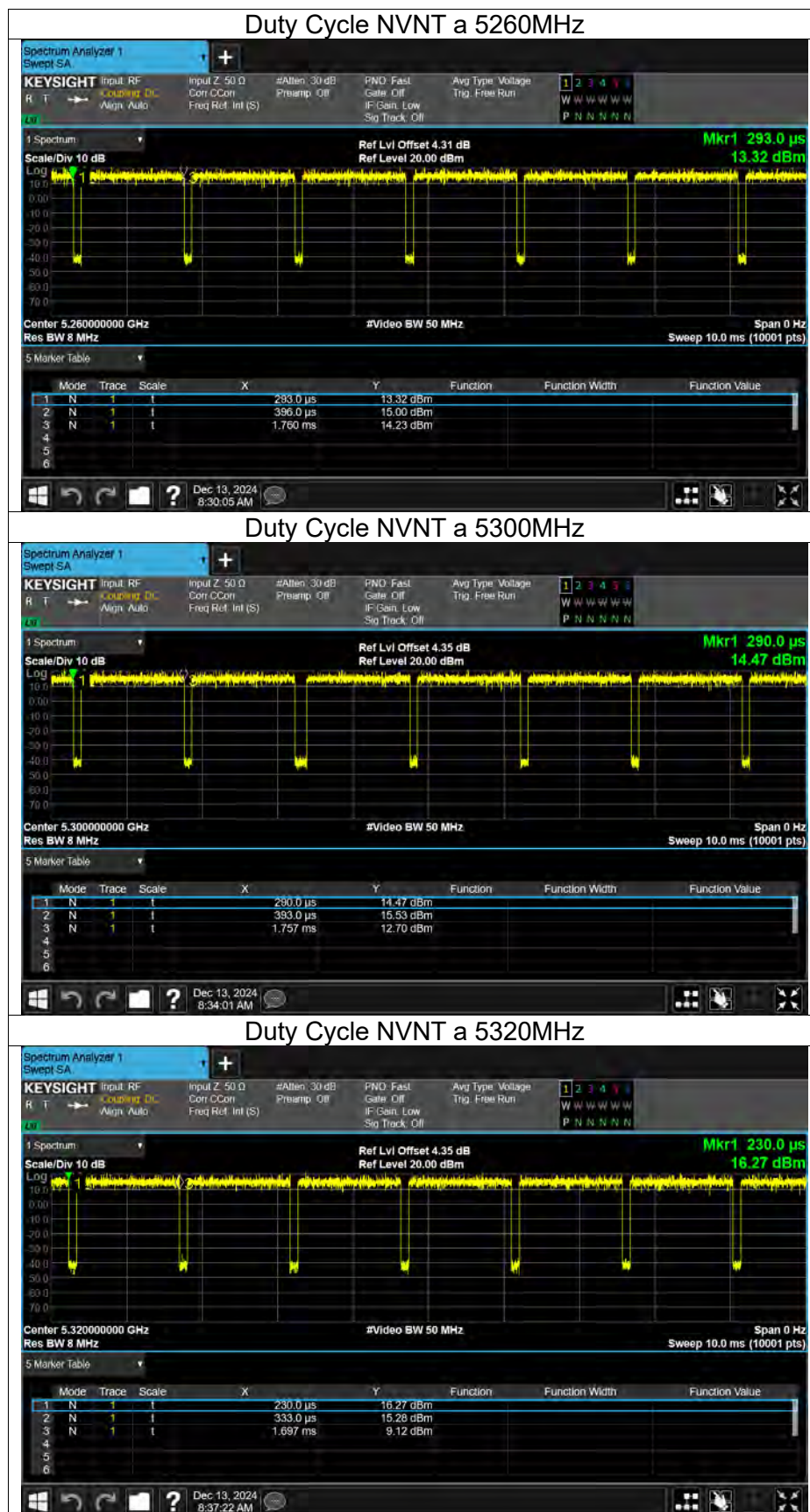


Duty Cycle NVNT a 5200MHz



Duty Cycle NVNT a 5240MHz







Duty Cycle NVNT a 5500MHz



Duty Cycle NVNT a 5580MHz



Duty Cycle NVNT a 5700MHz





Duty Cycle NVNT a 5745MHz

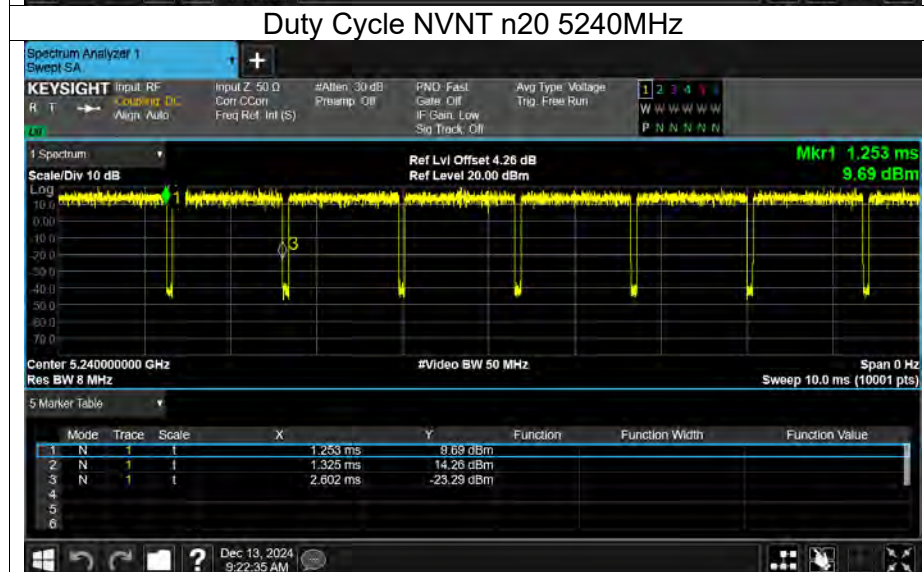
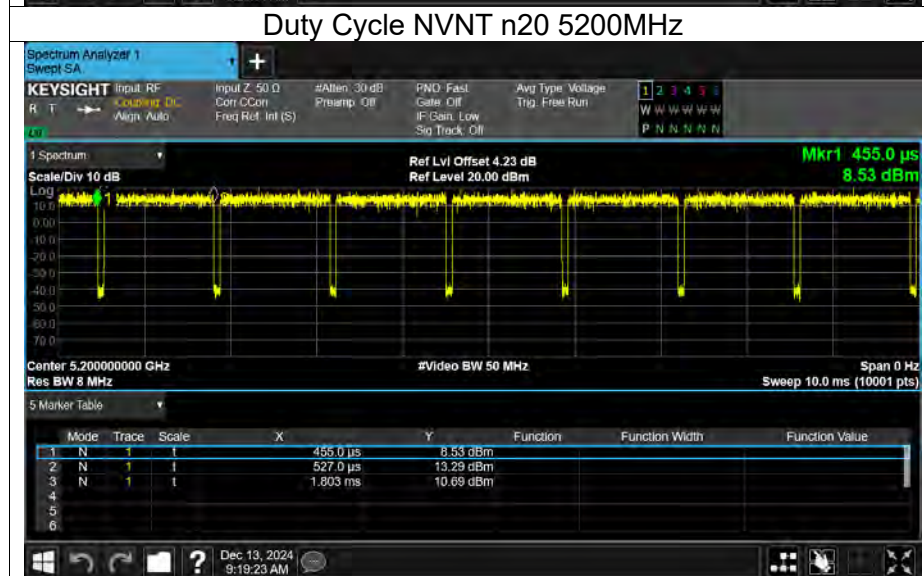
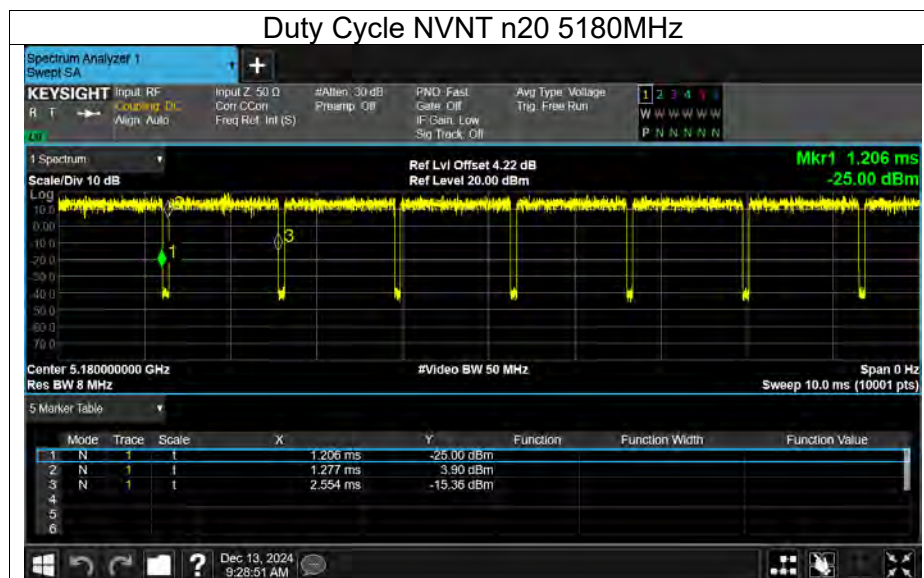


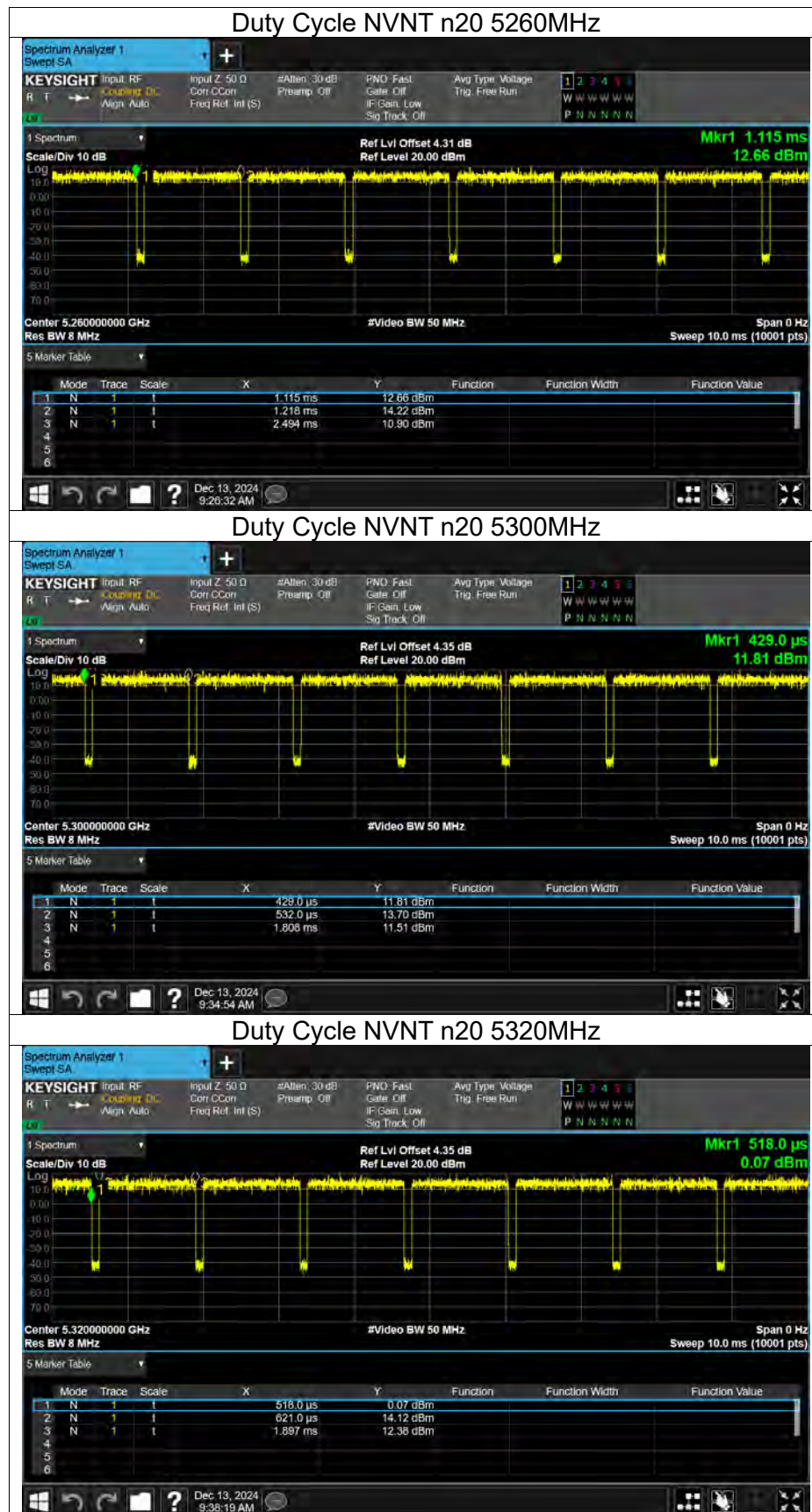
Duty Cycle NVNT a 5785MHz



Duty Cycle NVNT a 5825MHz

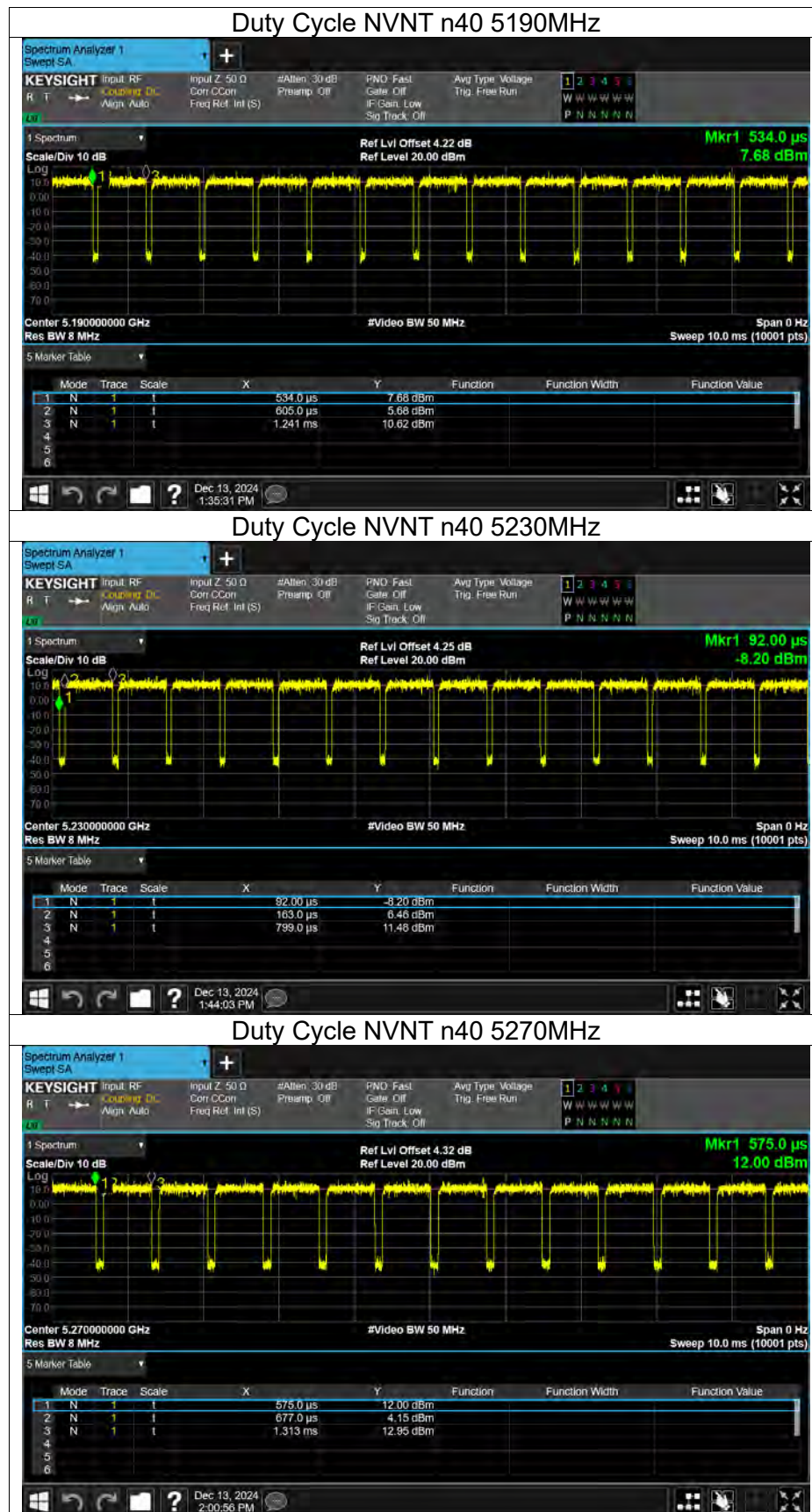












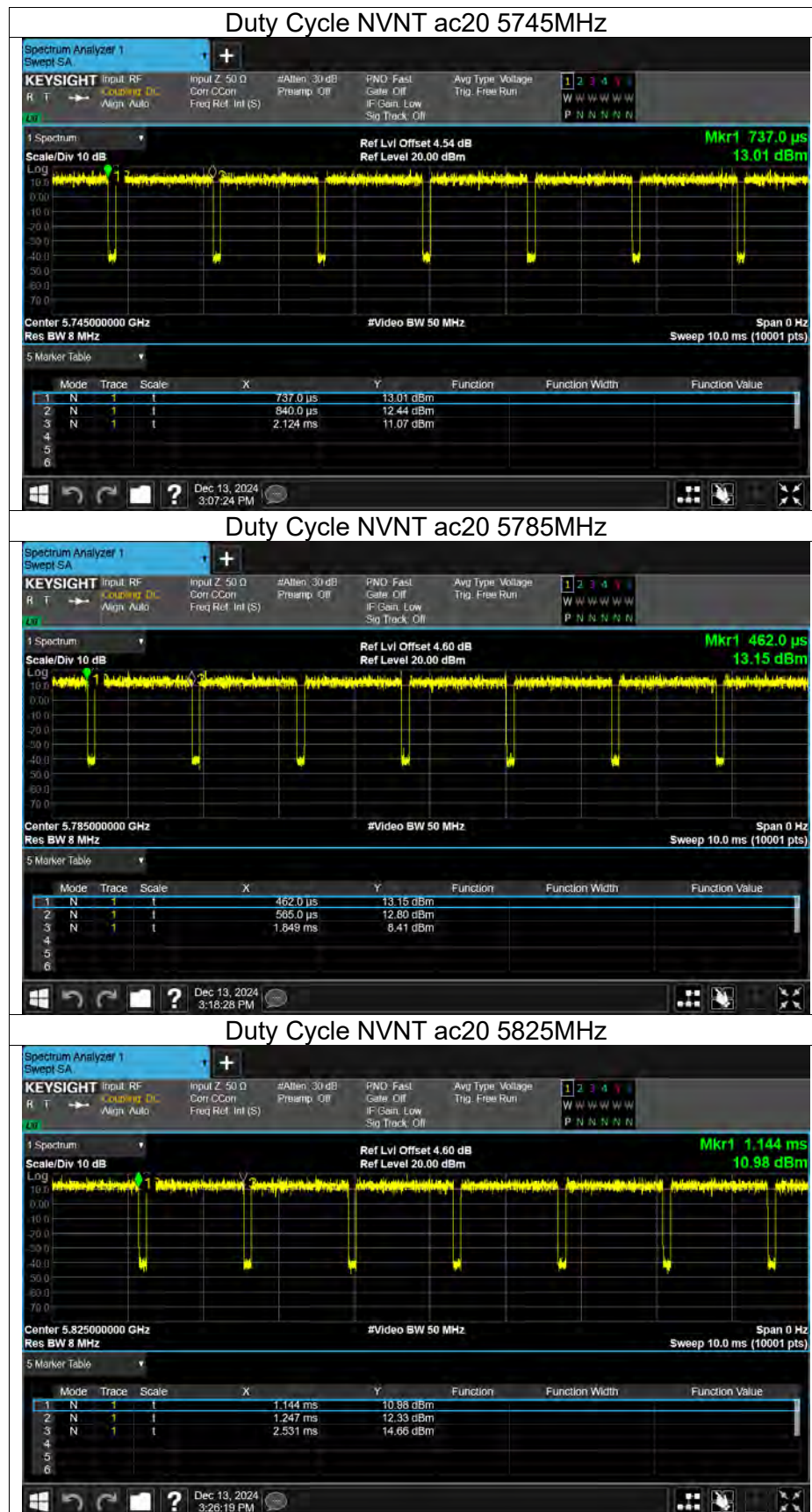


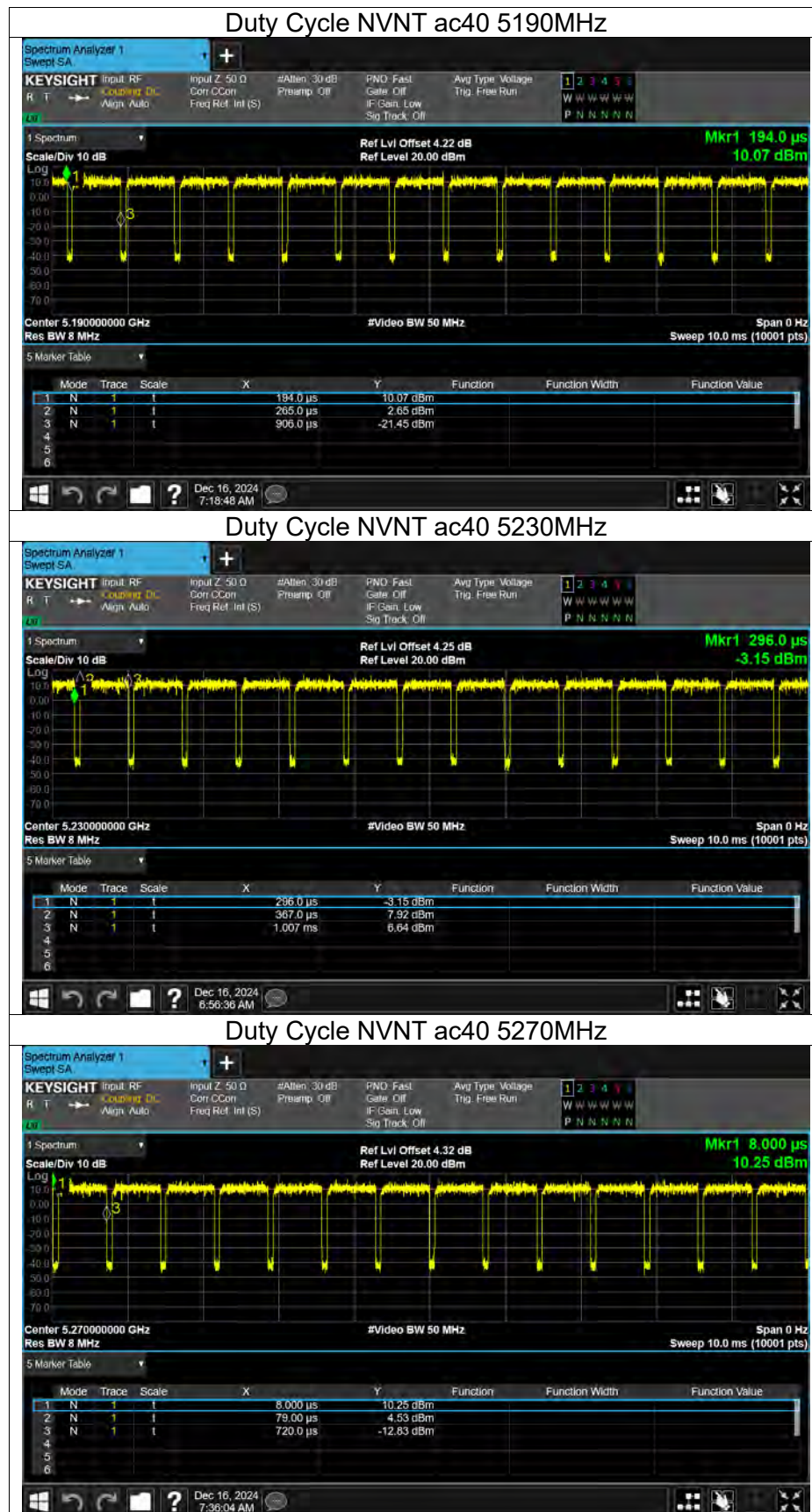


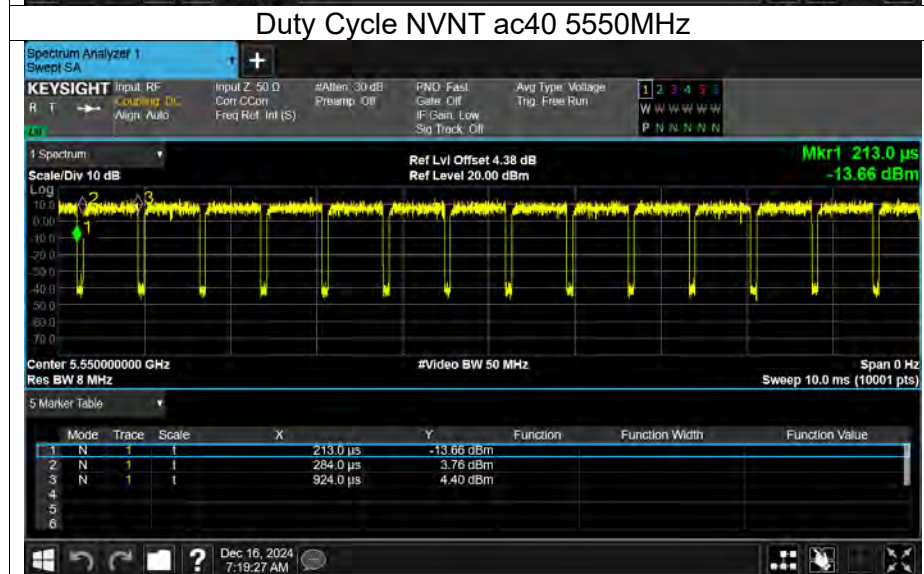
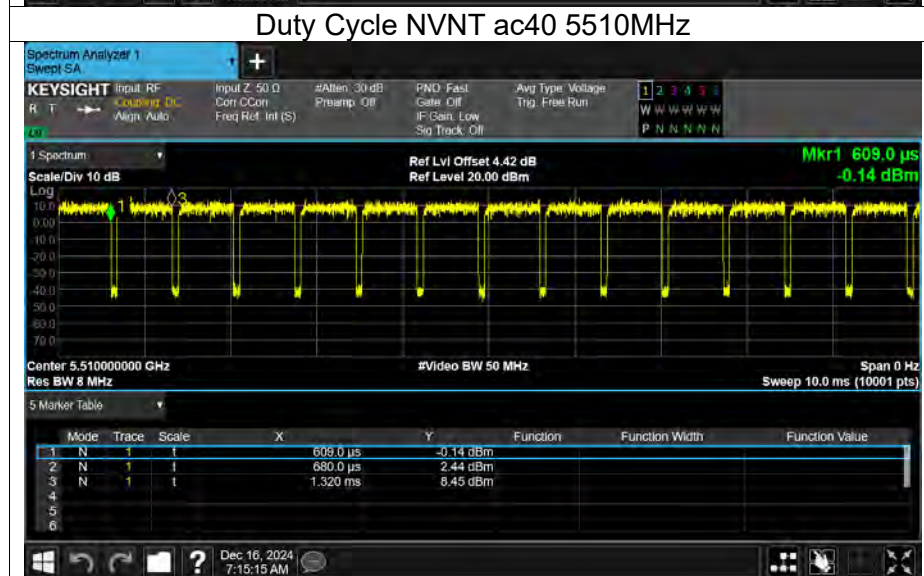
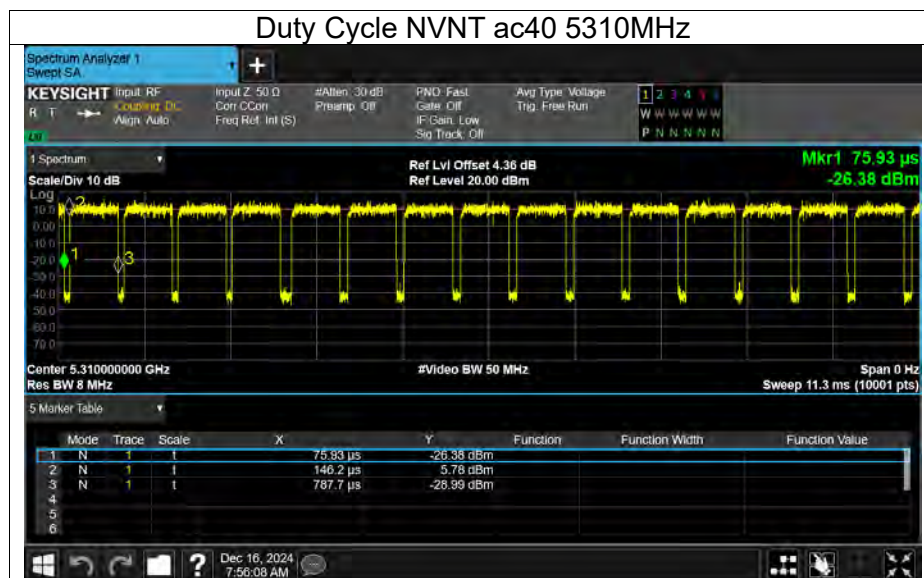




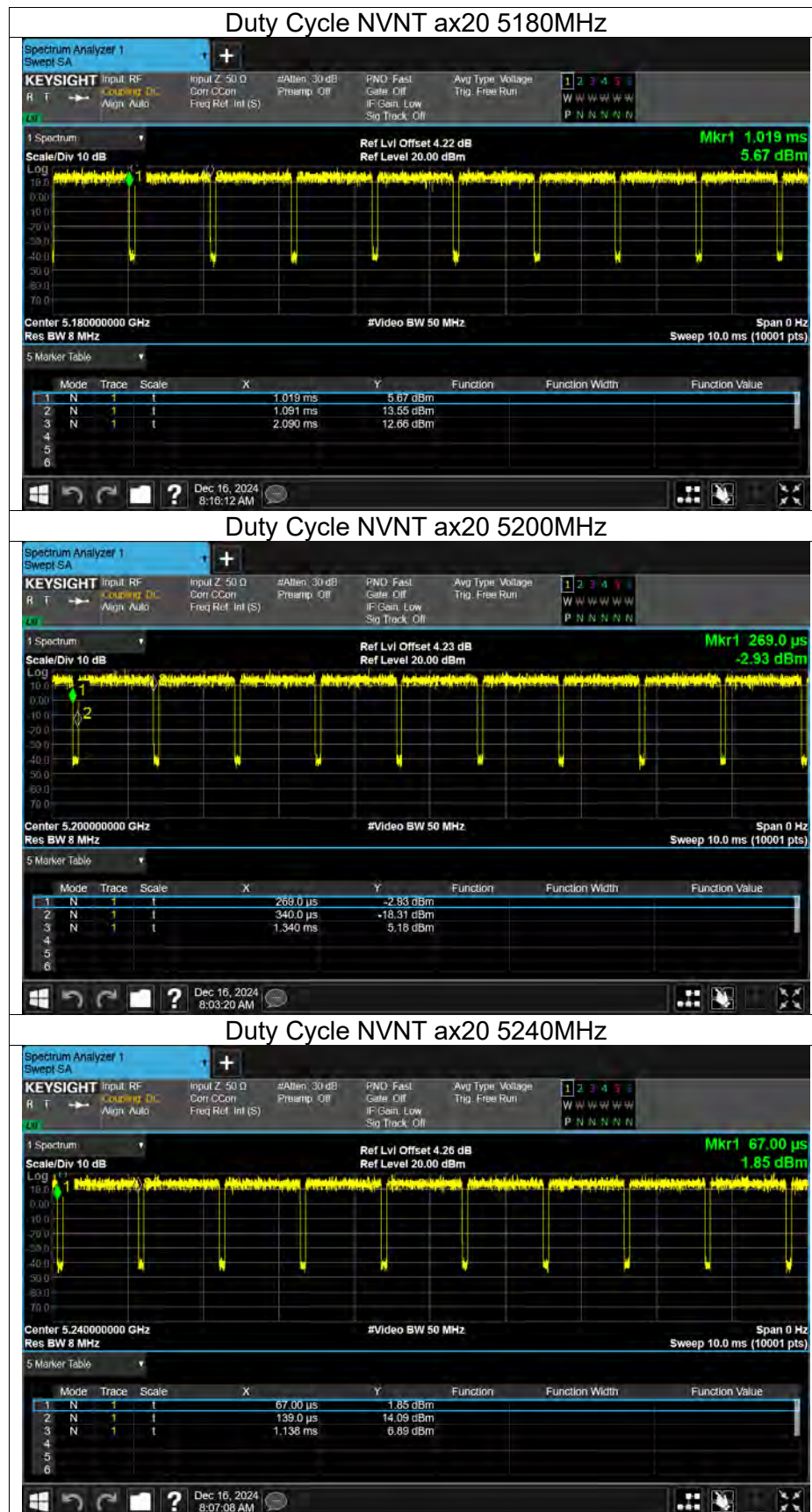


















Duty Cycle NVNT ax20 5745MHz

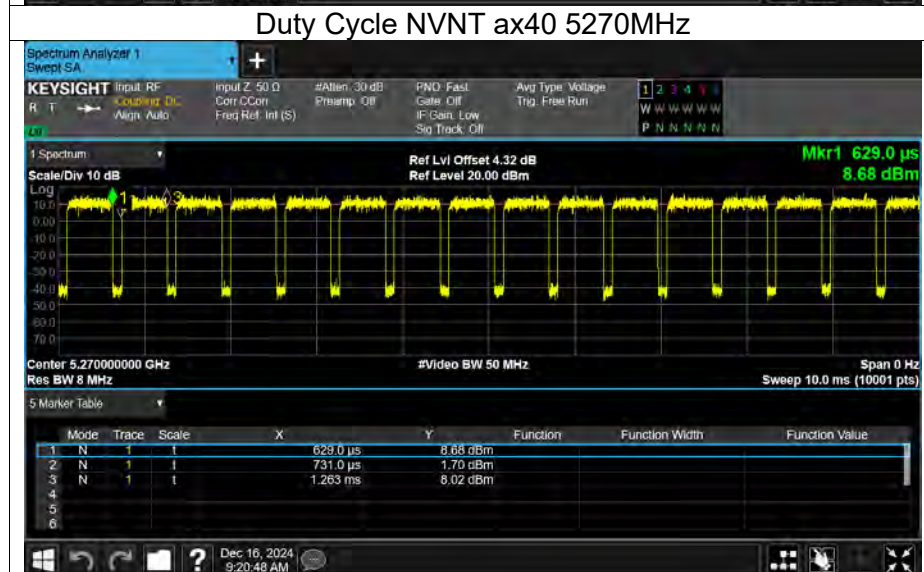
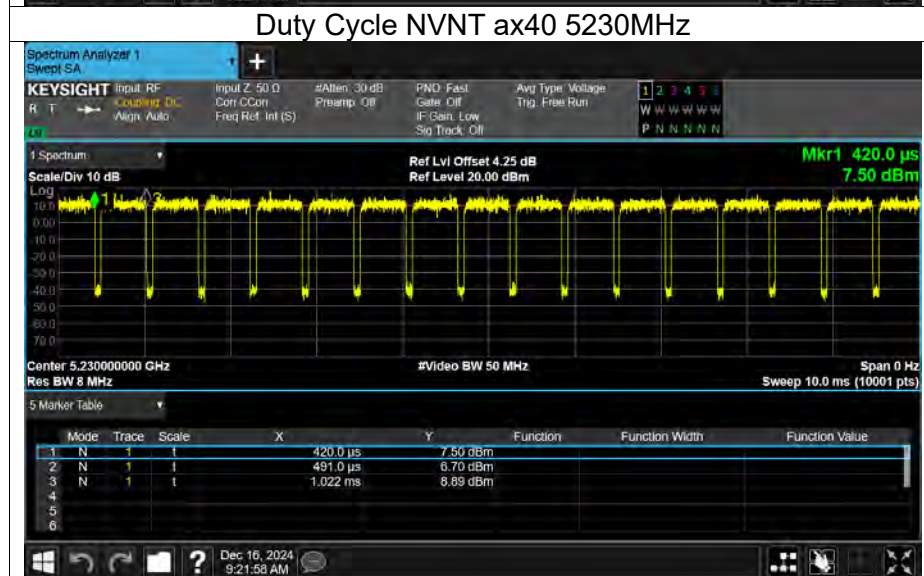
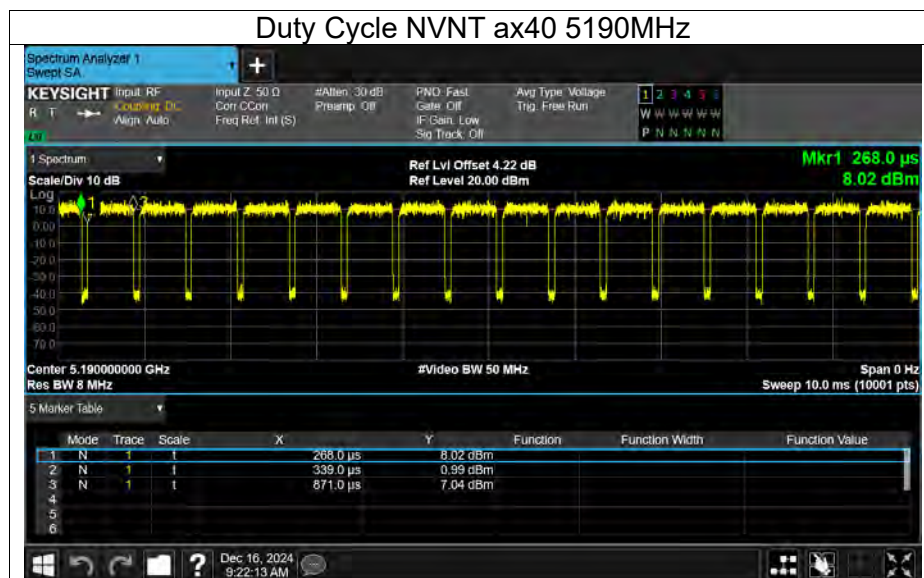


Duty Cycle NVNT ax20 5785MHz



Duty Cycle NVNT ax20 5825MHz











Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	12.94	0.22	13.16	23.22	Pass
NVNT	a	5200	12.95	0.22	13.17	23.22	Pass
NVNT	a	5240	13	0.22	13.22	23.22	Pass
NVNT	a	5260	13.06	0.32	13.38	23.22	Pass
NVNT	a	5300	13.11	0.32	13.43	23.22	Pass
NVNT	a	5320	12.91	0.32	13.23	23.22	Pass
NVNT	a	5500	11.57	0.32	11.89	23.22	Pass
NVNT	a	5580	9.12	0.32	9.44	23.22	Pass
NVNT	a	5700	11.08	0.32	11.4	23.22	Pass
NVNT	a	5745	12.08	0.22	12.3	29.22	Pass
NVNT	a	5785	12.62	0.22	12.84	29.22	Pass
NVNT	a	5825	12.58	0.22	12.8	29.22	Pass
NVNT	n20	5180	11.9	0.24	12.14	23.22	Pass
NVNT	n20	5200	11.86	0.24	12.1	23.22	Pass
NVNT	n20	5240	11.9	0.24	12.14	23.22	Pass
NVNT	n20	5260	11.87	0.34	12.21	23.22	Pass
NVNT	n20	5300	11.82	0.34	12.16	23.22	Pass
NVNT	n20	5320	11.8	0.34	12.14	23.22	Pass
NVNT	n20	5500	10.74	0.34	11.08	23.22	Pass
NVNT	n20	5580	8.3	0.34	8.64	23.22	Pass
NVNT	n20	5700	10.13	0.34	10.47	23.22	Pass
NVNT	n20	5745	11.04	0.24	11.28	29.22	Pass
NVNT	n20	5785	11.44	0.24	11.68	29.22	Pass
NVNT	n20	5825	11.41	0.24	11.65	29.22	Pass
NVNT	n40	5190	11.66	0.46	12.12	23.22	Pass
NVNT	n40	5230	11.85	0.46	12.31	23.22	Pass
NVNT	n40	5270	11.51	0.46	11.97	23.22	Pass
NVNT	n40	5310	11.5	0.65	12.15	23.22	Pass
NVNT	n40	5510	8.56	0.65	9.21	23.22	Pass
NVNT	n40	5550	7.85	0.65	8.5	23.22	Pass
NVNT	n40	5670	9.06	0.65	9.71	23.22	Pass
NVNT	n40	5755	10.82	0.65	11.47	29.22	Pass
NVNT	n40	5795	11.02	0.65	11.67	29.22	Pass
NVNT	ac20	5180	11.95	0.24	12.19	23.22	Pass
NVNT	ac20	5200	12.01	0.24	12.25	23.22	Pass
NVNT	ac20	5240	11.96	0.24	12.2	23.22	Pass
NVNT	ac20	5260	11.97	0.34	12.31	23.22	Pass
NVNT	ac20	5300	11.72	0.34	12.06	23.22	Pass
NVNT	ac20	5320	11.87	0.34	12.21	23.22	Pass
NVNT	ac20	5500	10.25	0.34	10.59	23.22	Pass
NVNT	ac20	5580	8.17	0.34	8.51	23.22	Pass
NVNT	ac20	5700	9.86	0.34	10.2	23.22	Pass
NVNT	ac20	5745	10.94	0.34	11.28	29.22	Pass
NVNT	ac20	5785	11.44	0.34	11.78	29.22	Pass
NVNT	ac20	5825	11.32	0.34	11.66	29.22	Pass
NVNT	ac40	5190	11.88	0.23	12.11	23.22	Pass
NVNT	ac40	5230	11.68	0.46	12.14	23.22	Pass
NVNT	ac40	5270	11.74	0.46	12.2	23.22	Pass
NVNT	ac40	5310	11.52	0.64	12.16	23.22	Pass
NVNT	ac40	5510	9.23	0.46	9.69	23.22	Pass
NVNT	ac40	5550	8.45	0.46	8.91	23.22	Pass



NVNT	ac40	5670	9.14	0.46	9.6	23.22	Pass
NVNT	ac40	5755	10.89	0.46	11.35	29.22	Pass
NVNT	ac40	5795	11.43	0.46	11.89	29.22	Pass
NVNT	ax20	5180	12.04	0.15	12.19	23.22	Pass
NVNT	ax20	5200	11.87	0.3	12.17	23.22	Pass
NVNT	ax20	5240	11.9	0.3	12.2	23.22	Pass
NVNT	ax20	5260	12.03	0.43	12.46	23.22	Pass
NVNT	ax20	5300	11.88	0.43	12.31	23.22	Pass
NVNT	ax20	5320	11.84	0.43	12.27	23.22	Pass
NVNT	ax20	5500	10.57	0.43	11	23.22	Pass
NVNT	ax20	5580	8.55	0.43	8.98	23.22	Pass
NVNT	ax20	5700	9.77	0.43	10.2	23.22	Pass
NVNT	ax20	5745	11.03	0.43	11.46	29.22	Pass
NVNT	ax20	5785	11.39	0.43	11.82	29.22	Pass
NVNT	ax20	5825	11.61	0.43	12.04	29.22	Pass
NVNT	ax40	5190	12.03	0.28	12.31	23.22	Pass
NVNT	ax40	5230	11.71	0.54	12.25	23.22	Pass
NVNT	ax40	5270	11.57	0.54	12.11	23.22	Pass
NVNT	ax40	5310	11.45	0.76	12.21	23.22	Pass
NVNT	ax40	5510	8.97	0.76	9.73	23.22	Pass
NVNT	ax40	5550	8.33	0.76	9.09	23.22	Pass
NVNT	ax40	5670	9.08	0.76	9.84	23.22	Pass
NVNT	ax40	5755	10.92	0.76	11.68	29.22	Pass
NVNT	ax40	5795	11.18	0.76	11.94	29.22	Pass



-26dB Bandwidth

Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	24.99	Pass
NVNT	a	5200	24.57	Pass
NVNT	a	5240	25.513	Pass
NVNT	a	5260	24.677	Pass
NVNT	a	5300	26.143	Pass
NVNT	a	5320	25.574	Pass
NVNT	a	5500	25.811	Pass
NVNT	a	5580	26.433	Pass
NVNT	a	5700	26.032	Pass
NVNT	n20	5180	26.276	Pass
NVNT	n20	5200	26.246	Pass
NVNT	n20	5240	26.537	Pass
NVNT	n20	5260	26.444	Pass
NVNT	n20	5300	25.636	Pass
NVNT	n20	5320	26.924	Pass
NVNT	n20	5500	27.097	Pass
NVNT	n20	5580	27.14	Pass
NVNT	n20	5700	26.858	Pass
NVNT	n40	5190	44.312	Pass
NVNT	n40	5230	43.099	Pass
NVNT	n40	5270	44.099	Pass
NVNT	n40	5310	42.781	Pass
NVNT	n40	5510	44.083	Pass
NVNT	n40	5550	44.763	Pass
NVNT	n40	5670	44.724	Pass
NVNT	ac20	5180	26.437	Pass
NVNT	ac20	5200	26.468	Pass
NVNT	ac20	5240	26.281	Pass
NVNT	ac20	5260	25.59	Pass
NVNT	ac20	5300	25.751	Pass
NVNT	ac20	5320	27.025	Pass
NVNT	ac20	5500	27.242	Pass
NVNT	ac20	5580	27.557	Pass
NVNT	ac20	5700	26.709	Pass
NVNT	ac40	5190	42.455	Pass
NVNT	ac40	5230	43.469	Pass
NVNT	ac40	5270	44.845	Pass
NVNT	ac40	5310	44.73	Pass
NVNT	ac40	5510	44.743	Pass
NVNT	ac40	5550	45.831	Pass
NVNT	ac40	5670	45.102	Pass
NVNT	ax20	5180	25.1	Pass
NVNT	ax20	5200	25.004	Pass
NVNT	ax20	5240	26.299	Pass
NVNT	ax20	5260	27.352	Pass
NVNT	ax20	5300	25.852	Pass
NVNT	ax20	5320	25.275	Pass
NVNT	ax20	5500	26.574	Pass
NVNT	ax20	5580	27.216	Pass
NVNT	ax20	5700	27.925	Pass
NVNT	ax40	5190	43.269	Pass
NVNT	ax40	5230	42.182	Pass
NVNT	ax40	5270	44.016	Pass



NVNT	ax40	5310	44.247	Pass
NVNT	ax40	5510	44.025	Pass
NVNT	ax40	5550	45.322	Pass
NVNT	ax40	5670	43	Pass



Test Graphs

-26dB Bandwidth NVNT a 5180MHz



-26dB Bandwidth NVNT a 5200MHz



-26dB Bandwidth NVNT a 5240MHz







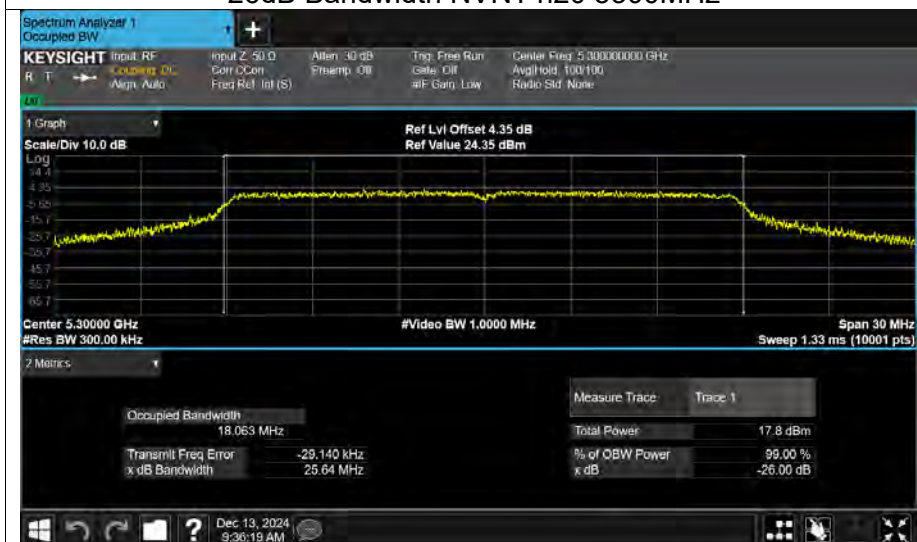




-26dB Bandwidth NVNT n20 5260MHz



-26dB Bandwidth NVNT n20 5300MHz



-26dB Bandwidth NVNT n20 5320MHz





-26dB Bandwidth NVNT n20 5500MHz

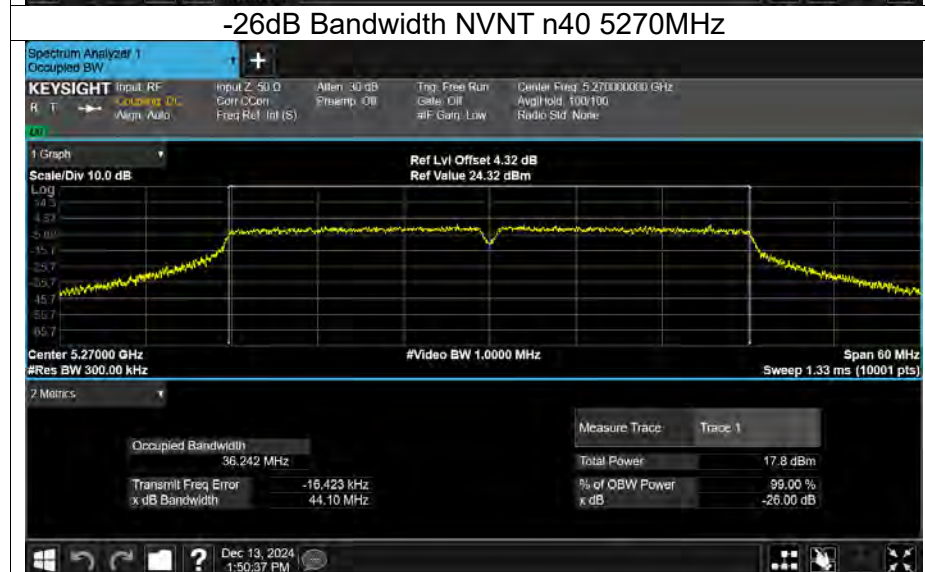
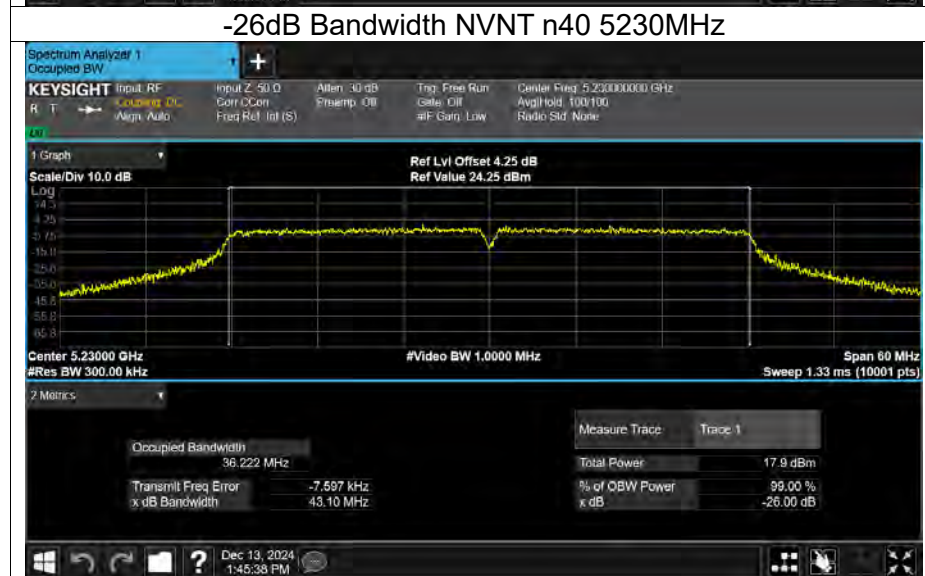
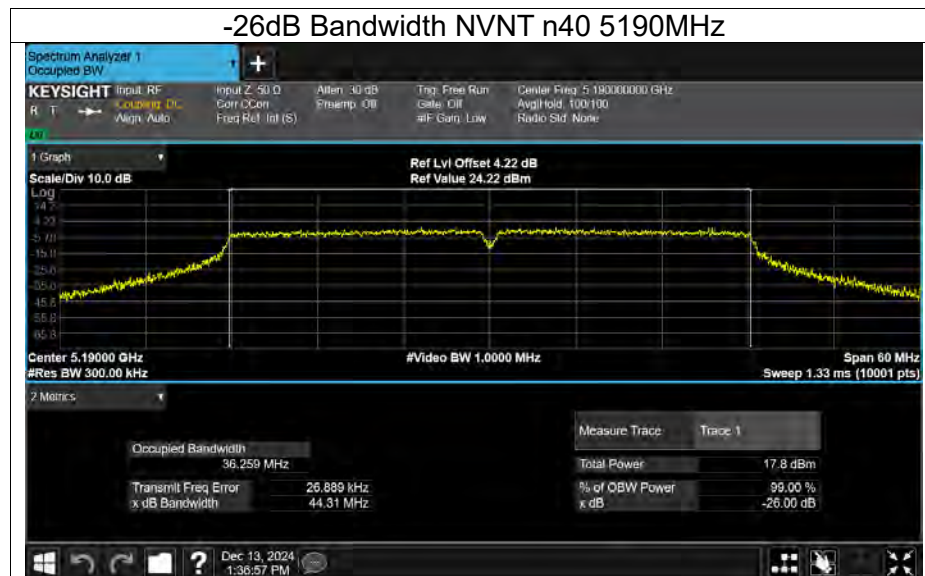


-26dB Bandwidth NVNT n20 5580MHz



-26dB Bandwidth NVNT n20 5700MHz







-26dB Bandwidth NVNT n40 5310MHz



-26dB Bandwidth NVNT n40 5510MHz



-26dB Bandwidth NVNT n40 5550MHz



