



TEST REPORT

APPLICANT	: Adec & Partner AG
PRODUCT NAME	: earis MAX
MODEL NAME	: HM-01
BRAND NAME	: Humantechnik
FCC ID	: U94MAX0124R
STANDARD(S)	: 47 CFR Part 15 Subpart C
RECEIPT DATE	: 2024-02-02
TEST DATE	: 2024-02-21 to 2024-03-06
ISSUE DATE	: 2024-05-15



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Change History			
Version	Date	Reason for change	
1.0 2024-05-15		First edition	

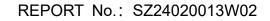


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1. Summary of Test Result

No.	Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS	No deviation
2	15.247(a) 15.247(h)	Hopping Mechanism	N/A	N/A	PASS	No deviation
3	15.247(a)	Number of Hopping Frequency	Feb. 22, 2024	Zhong Yanshan	PASS	No deviation
4	ANSI C63.10	Duty Cycle	Feb. 22, 2024	Zhong Yanshan	PASS	No deviation
5	15.247(b)	Maximum Peak Conducted Output Power	Feb. 22, 2024	Zhong Yanshan	PASS	No deviation
6	15.247(b)	Maximum Average Conducted Output Power	Feb. 22, 2024	Zhong Yanshan	PASS	No deviation
7	15.247(a)	20dB Bandwidth	Feb. 22, 2024	Zhong Yanshan	PASS	No deviation
8	15.247(a)	Carrier Frequency Separation	Feb. 22, 2024	Zhong Yanshan	PASS	No deviation
9	15.247(a)	Time of Occupancy (Dwell time)	Feb. 22, 2024	Zhong Yanshan	PASS	No deviation
10	15.247(d)	Conducted Spurious Emission	Feb. 22, 2024	Zhong Yanshan	PASS	No deviation
11	15.207	Conducted Emission	Feb. 29, 2024	Wang Deyong	PASS	No deviation
12	15.247(d)	Restricted Frequency Bands	Feb. 29, 2024 to Mar. 01, 2024	Gao Jianrou	PASS	No deviation
13	15.209,	Radiated	Feb. 29, 2024	Gao Jianrou	PASS	No deviation



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15.247(d)	Emission	to		
		Mar. 04, 2024		

Note 1: The tests were performed according to the method of measurements prescribed in ANSI C63.10-2013, KDB 558074 D01 v05r02 and DA 00-075.

Note 2: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 3: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

1.1. Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

47 CFR Part 15 Subpart C Radio Frequency Devices





1.2. Test Equipment List

1.2.1 Conducted Test Equipment

Equipment Name	Serial No.	Туре	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2024.02.19	2025.02.18
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial Cable	CB02	RF02	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A

1.2.2 Conducted Emission Test Equipment

Equipment Name	Serial No.	Туре	Manufacturer	Cal. Date	Due Date
Receiver	MY56400093	N9038A	KEYSIGHT	2024.01.25	2025.01.24
LISN	8127449	NSLK 8127	Schwarzbeck	2024.02.02	2025.02.01
Pulse Limiter (10dB)	VTSD 9561 F-B #206	VTSD 9561-F	Schwarzbeck	2023.06.27	2024.06.26
RF Coaxial Cable (DC-100MHz)	BNC	MRE04	Qualwave	N/A	N/A

1.2.3 List of Software Used

Description	Manufacturer	Software Version
Test System	MaiWei	2.0.0.0
Morlab EMCR	Morlab	V1.2
TS+ -[JS32-CE]	Tonscend	V2.5.0.0





1.2.4 Radiated Test Equipment

Equipment	Serial No.	Туре	Manufacturer	Cal. Date	Due Date
Name	Certai No.	Туре	Manufacturer	Cal. Date	Due Date
Receiver	MY54130016	N9038A	Agilent	2023.06.21	2024.06.20
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2023.07.01	2024.06.30
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2023.06.26	2024.06.25
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2023.07.01	2024.06.30
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2023.07.01	2024.06.30
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2023.06.27	2024.06.26
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2023.06.27	2024.06.26
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118- 40C-S	Decentest	2023.07.04	2024.07.03
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2023.06.27	2024.06.26
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2023.06.27	2024.06.26
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2023.06.27	2024.06.26
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-K K-0.5	Qualwave	2023.07.04	2024.07.03
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-K KF-2	Qualwave	2023.07.04	2024.07.03
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-N N-5	Qualwave	2023.07.04	2024.07.03
Notch Filter	N/A	WRCG-2400- 2483.5-60SS	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.05.10	2025.05.09





1.3. Measurement Uncertainty

Test Items	Uncertainty	Remark
Number of Hopping Frequency	±5%	Confidence levels of 95%
Peak Output Power	±2.22dB	Confidence levels of 95%
Bandwidth	±5%	Confidence levels of 95%
Carrier Frequency Separation	±5%	Confidence levels of 95%
Time of Occupancy (Dwell time)	±5%	Confidence levels of 95%
Conducted Spurious Emission	±2.77dB	Confidence levels of 95%
Restricted Frequency Bands	±5%	Confidence levels of 95%
Radiated Emission	±2.95dB	Confidence levels of 95%
Conducted Emission	±2.44dB	Confidence levels of 95%

1.4. Testing Laboratory

Laboratory Name	Shenzhen Morlab Communications Technology Co., Ltd.	
	FL.3, Building A, FeiYang Science Park, No.8 LongChang	
Laboratory Address	Road, Block 67, BaoAn District, ShenZhen, GuangDong	
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FCC Designation Number	CN1192	
FCC Test Firm	226174	
Registration Number	226174	



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2. General Description

2.1. Information of Applicant and Manufacturer

Applicant	Adec & Partner AG	
Applicant Address	Staldenbachstrasse 30 CH-8808 Pfaffikon, Switzerland	
Manufacturer	Humantechnik GmbH	
Manufacturer Address	Im Wörth 25D-79576 Weil am Rhein	

2.2. Information of EUT

Product Name:	earis MAX					
Sample No.:	4#					
Hardware Version:	HM01MB-V01					
Software Version:	HM-01-V2.9					
Equipment Type:	Bluetooth classic					
Bluetooth Version:	5.3					
Modulation Type:	FHSS (GFSK(1N 8-DPSK(EDR 3N	lbps), π/4-DQPSK(EDR 2Mbps), lbps))				
Operating Frequency Range:	2402MHz-2480MHz					
Antenna Type:	Chip Antenna					
Antenna Gain:	2.25dBi					
	Battery (Headpho	ones)				
	Brand Name:	N/A				
	Model No.:	652936K				
	Serial No.:	N/A				
Accessory Information:	Capacity:	720mAh				
	Rated Voltage:	3.7V				
	Charge Limit:	4.2V				
	Manufacturer:	ZHONGSHAN ZHONGWANGDE NEW ENERGY TECHNOLOGY CO.,LTD				

Note 1: We use the dedicated software to control the EUT continuous transmission.

Note 2: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.





2.3. Channel List of EUT

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	2410 28 2430		48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	2412 30 2432		50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461		

Note 1: The black bold channels were selected for test.

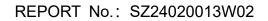


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2.4. Test Configuration of EUT

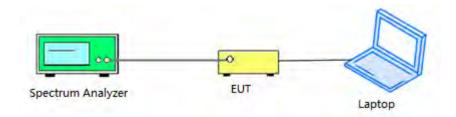
Test mode is used to control the EUT under the maximum power level during test.

2.5. Test Conditions

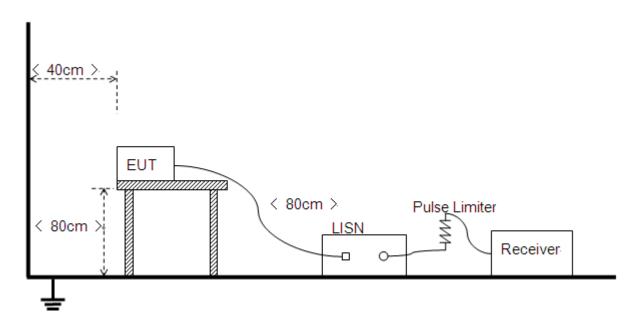
Temperature (°C)	15-35
Relative Humidity (%)	30-60
Atmospheric Pressure (kPa)	86-106

2.6. Test Setup Layout Diagram

2.6.1.Conducted Measurement



2.6.2.Conducted Emission Measurement





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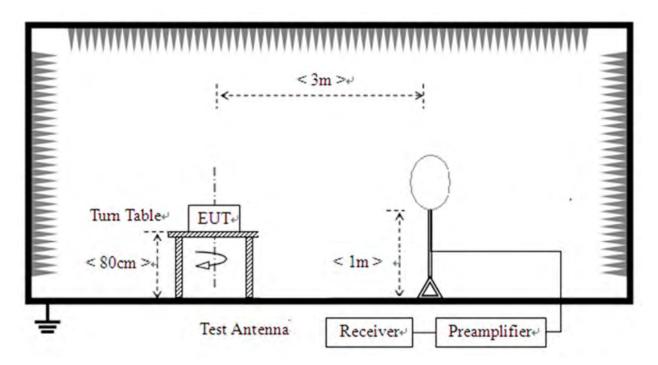
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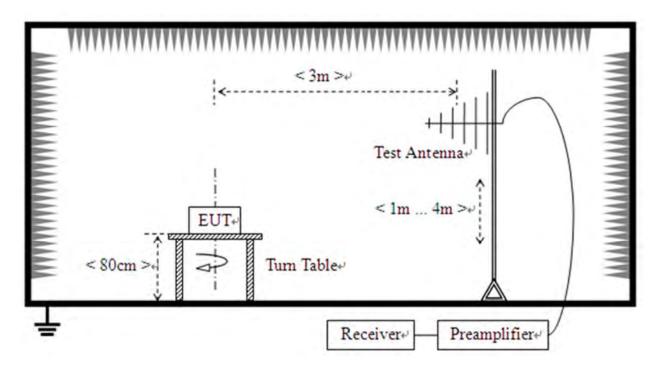


2.6.3.Radiation Measurement

1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to1GHz





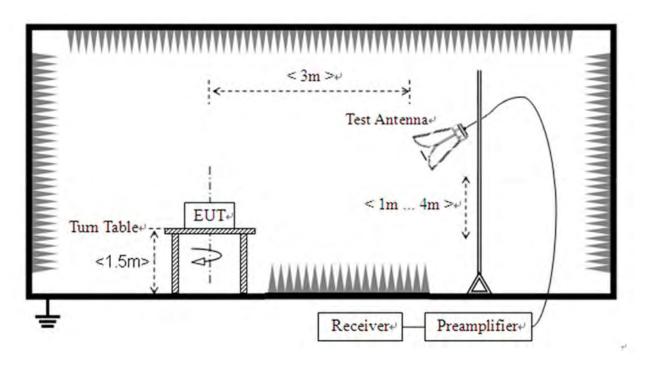
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3) For radiated emissions above 1GHz





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3.1. Antenna Requirement

3.1.1.Requirement

According to FCC 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.1.2.Test Result

The EUT has a permanently and irreplaceable attached antenna. Please refer to the EUT internal photos.

3.2. Hopping Mechanism

3.2.1.Requirement

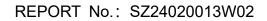
According to FCC section 15.247(a)(1), a frequency hopping spread spectrum system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

According to FCC section 15.247(h), the incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hop sets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

3.2.2.Test Result

The hopping mechanism of the EUT is in compliance with the document "*Bluetooth core specification v5.1*".







3.3. Number of Hopping Frequency

3.3.1.Requirement

According to FCC section 15.247(a)(1)(iii), frequency hopping systems operating in the 2400MHz to 2483.5MHz bands shall use at least 15 hopping frequencies.

3.3.2.Test Procedures

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings: Span = the frequency band of operation

RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller. $VBW \ge RBW$ Sweep = auto Detector function = peak Trace = max hold Allow the trace to stabilize

3.3.3.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.3.4.Test Result

Refer to Annex A.1 in this report.



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3.4. Duty Cycle of Test Signal

3.4.1.Requirement

Preferably, all measurements of maximum conducted (average) output power will be performed with the EUT transmitting continuously (i.e., with a duty cycle of greater than or equal to 98%). When continuous operation cannot be realized, then the use of sweep triggering/signal gating techniques can be used to ensure that measurements are made only during transmissions at the maximum power control level. Such sweep triggering/signal gating techniques will require knowledge of the minimum transmission duration(T) over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation. Sweep triggering/signal gating techniques can then be used if the measurement/sweep time of the analyzer can be set such that it does not exceed T at any time that data are being acquired (i.e.,no transmitter OFF-time is to be considered).

When continuous transmission cannot be achieved and sweep triggering/signal gating cannot be implemented, alternative procedures are provided that can be used to measure the average power; however, they will require an additional measurement of the transmitter duty cycle (D). Within this sub clause, the duty cycle refers to the fraction of time over which the transmitter is ON and is transmitting at its maximum power control level. The duty cycle is considered to be constant if variations are less than $\pm 2\%$; otherwise, the duty cycle is considered to be non constant.

3.4.2.Test Result

Refer to Annex A.2 in this report.





3.5. Maximum Peak Conducted Output Power

3.5.1.Requirement

According to FCC section 15.247(b)(1), for frequency hopping systems that operates in the 2400MHz to 2483.5MHz band employing at least 75 hopping channels, the maximum peak output power of the intentional radiator shall not exceed 1Watt. For all other frequency hopping systems in the 2400MHz to 2483.5MHz band, it is 0.125Watts.

3.5.2.Test Procedures

KDB 558074 Section 8.3.1 was used in order to prove compliance.

3.5.3.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.5.4.Test Result

Refer to Annex A.3 in this report.



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3.6. Maximum Average Conducted Output Power

3.6.1.Requirement

According to FCC section 15.247(b)(1), for frequency hopping systems that operates in the 2400MHz to 2483.5MHz band employing at least 75 hopping channels, the maximum peak output power of the intentional radiator shall not exceed 1Watt. For all other frequency hopping systems in the 2400MHz to 2483.5MHz band, it is 0.125Watts.

3.6.2.Test Procedures

KDB 558074 Section 8.3.2 was used in order to prove compliance.

3.6.3.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.6.4.Test Result

Refer to Annex A.4 in this report.



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3.7.1.Requirement

According to FCC section 15.247(a)(1), the 20 dB bandwidth is known as the 99% emission bandwidth, or 20 dB bandwidth ($10*\log 1\% = 20$ dB) taking the total RF output power.

3.7.1.Test Procedures

Use the following spectrum analyzer settings: Span = between 2 to 5 times the OBW, centered on the test channel RBW= 1% to 5% of the OBW VBW \geq 3 x RBW Sweep = auto Detector function = peak Trace = max hold

3.7.2.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.7.3.Test Result

Refer to Annex A.5 in this report.



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3.8. Carried Frequency Separation

3.8.1.Requirement

According to FCC section 15.247(a)(1), frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater.

3.8.2.Test Procedures

The EUT must have its hopping function enabled. According to DA 00-705, use the following spectrum analyzer settings: Span = wide enough to capture the peaks of two adjacent channels Resolution (or IF) Bandwidth (RBW) \geq 1% of the span Video (or Average) Bandwidth (VBW) \geq RBW Sweep = auto Detector function = peak Trace = max hold Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels.

3.8.3.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.8.4.Test Result

Refer to Annex A.6 in this report.





3.9. Time of Occupancy (Dwell time)

3.9.1.Requirement

According to FCC section 15.247(a) (1) (iii), frequency hopping systems in the 2400 - 2483.5MHz band shall use at least 15 non-overlapping channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

3.9.2.Test Procedures

Normal Mode:

DH1: Dwell time equal to Pulse time (ms) *(1600 / 2 /79)*31.6 Millisecond DH3: Dwell time equal to Pulse time (ms) * (1600 /4 /79) *31.6 Millisecond DH5: Dwell time equal to Pulse Time (ms)* (1600 / 6 /79) *31.6 Millisecond

AFH Mode:

DH1: Dwell time equal to Pulse time (ms) (800 / 2 / 20)(0.4 + 20) Millisecond DH3: Dwell time equal to Pulse time (ms) (800 / 4 / 20)(0.4 + 20) Millisecond DH5: Dwell time equal to Pulse Time (ms) (800 / 6 / 20)(0.4 + 20) Millisecond.

3.9.3.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.9.4.Test Result

Refer to Annex A.7 in this report.





3.10. Conducted Spurious Emissions and Band Edge

3.10.1.Requirement

According to FCC section 15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

3.10.2.Test Procedures

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.

RBW = 100 kHz VBW ≥ RBW Sweep = auto Detector function = peak Trace = max hold Allow the trace to stabilize.

3.10.3.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.10.4.Test Result

Refer to Annex A.8 and A.9 in this report.





3.11. Conducted Emission

3.11.1.Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50μ H/50 Ω line impedance stabilization network (LISN).

Frequency Panga (MHz)	Conducted Limit (dBµV)					
Frequency Range (MHz)	Quai-peak	Average				
0.15 - 0.50	66 to 56	56 to 46				
0.50 - 5	56	46				
5 - 30	60	50				

Note:

(a) The lower limit shall apply at the band edges.

(b) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

3.11.2.Test Procedures

The Table-top EUT was placed upon a non-metallic table 0.8m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.10: 2013.

3.11.3.Test Setup Layout

Refer to chapter 2.6.2 in this report.

3.11.4.Test Result

Refer to Annex A.10 in this report.



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3.12. Restricted Frequency Bands

3.12.1.Requirement

According to FCC section 15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in 15.205(a), must also comply with the radiated emission limits specified in 15.209(a).

3.12.2.Test Procedures

The EUT is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading.

For the Test Antenna:

Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength.

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \ge 1$ GHz, 100 kHz for f < 1GHz

VBW = 3 MHz Sweep = auto

Detector function = peak/average

Trace = max hold

Allow the trace to stabilize

3.12.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.12.4.Test Result

Refer to Annex A.11 in this report.





3.13. Radiated Emission

3.13.1.Requirement

According to FCC section 15.247(d), radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (µV/m)	Measurement Distance (m)
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

Note1: For above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit. **Note2:**For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).





3.13.2.Test Procedures

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz.The antenna to EUT distance is 3meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 30MHz, the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9kHz-90 kHz, 110kHz-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements and as applicable for average measurements.

The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions. For measurements above 1 GHz, keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.

3.13.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.13.4.Test Result

Refer to Annex A.12 in this report.



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Annex A Test Data and Result

A.1. Number of Hopping Frequency

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



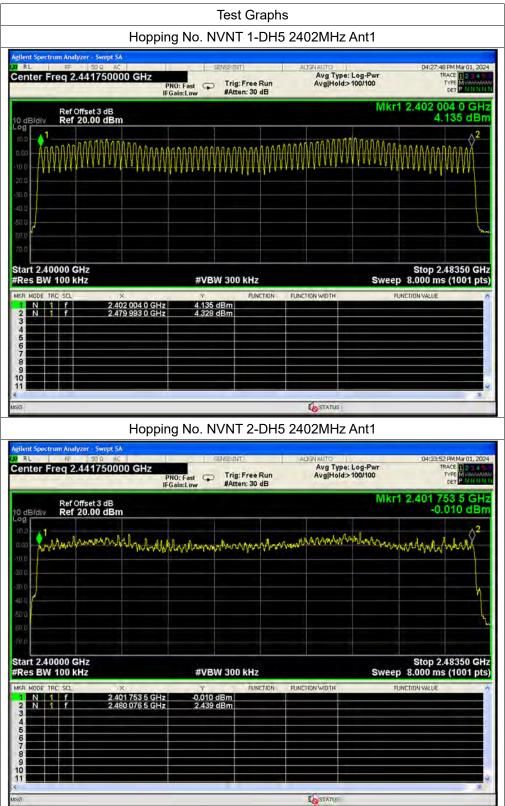
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A.2. Duty Cycle of Test Signal

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	76.8	1.15	0.35
NVNT	1-DH5	2441	Ant1	76.8	1.15	0.35
NVNT	1-DH5	2480	Ant1	76.83	1.14	0.35
NVNT	2-DH5	2402	Ant1	76.88	1.14	0.35
NVNT	2-DH5	2441	Ant1	76.88	1.14	0.35
NVNT	2-DH5	2480	Ant1	76.88	1.14	0.35
NVNT	3-DH5	2402	Ant1	76.91	1.14	0.35
NVNT	3-DH5	2441	Ant1	76.91	1.14	0.35
NVNT	3-DH5	2480	Ant1	76.93	1.14	0.35



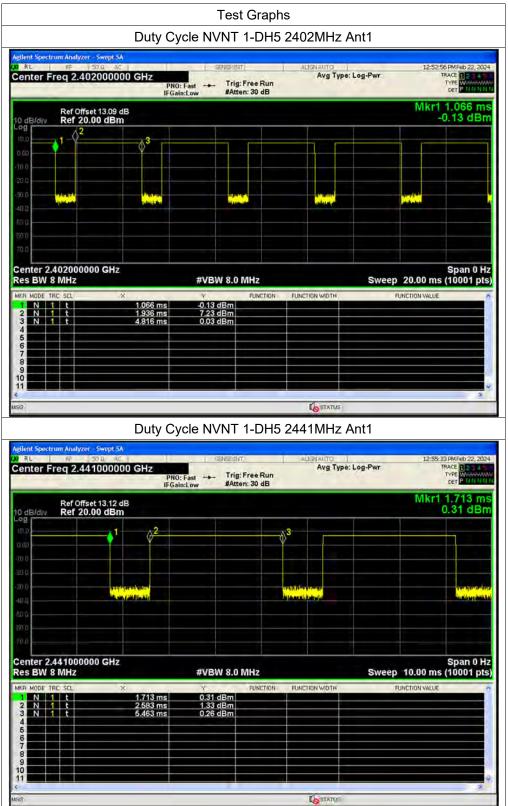
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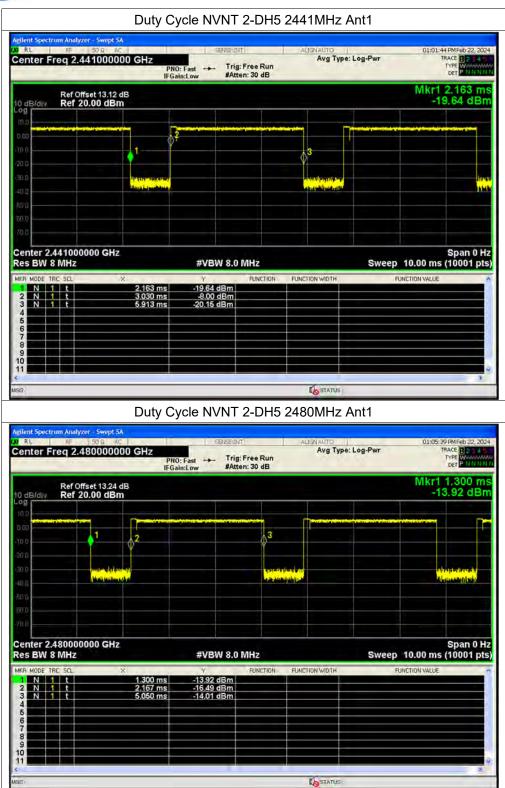
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A.3. Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	7.37	0	7.37	0.00546	30	Pass
NVNT	1-DH5	2441	Ant1	7.03	0	7.03	0.00505	30	Pass
NVNT	1-DH5	2480	Ant1	6.7	0	6.7	0.00468	30	Pass
NVNT	2-DH5	2402	Ant1	7.17	0	7.17	0.00521	30	Pass
NVNT	2-DH5	2441	Ant1	6.87	0	6.87	0.00486	30	Pass
NVNT	2-DH5	2480	Ant1	6.54	0	6.54	0.00451	30	Pass
NVNT	3-DH5	2402	Ant1	7.32	0	7.32	0.0054	30	Pass
NVNT	3-DH5	2441	Ant1	7.05	0	7.05	0.00507	30	Pass
NVNT	3-DH5	2480	Ant1	6.67	0	6.67	0.00465	30	Pass



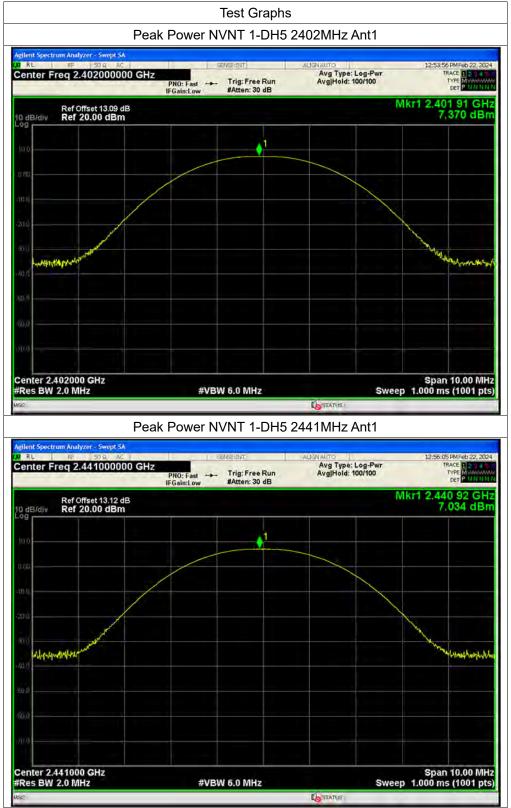
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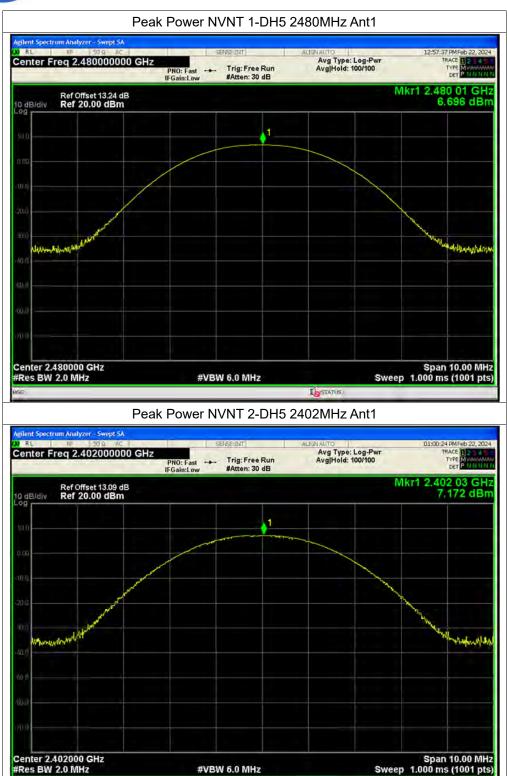






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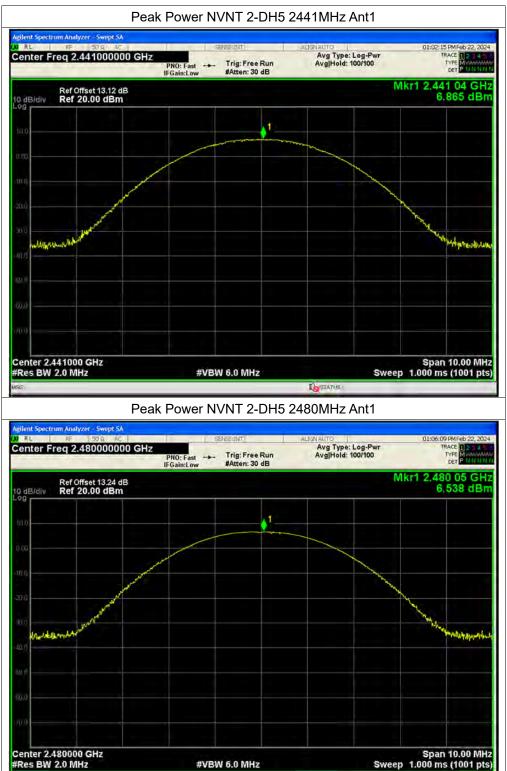


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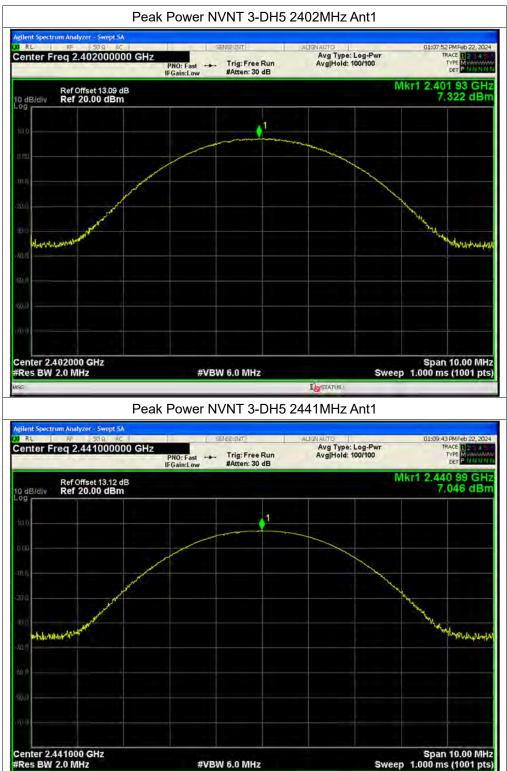
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#VBW 6.0 MHz

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#VBW 6.0 MHz

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A.4. Maximum Average Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	6.18	1.15	7.33	0.00541	30	Pass
NVNT	1-DH5	2441	Ant1	5.73	1.15	6.88	0.00488	30	Pass
NVNT	1-DH5	2480	Ant1	5.29	1.14	6.43	0.0044	30	Pass
NVNT	2-DH5	2402	Ant1	3.23	1.14	4.37	0.00274	30	Pass
NVNT	2-DH5	2441	Ant1	2.97	1.14	4.11	0.00258	30	Pass
NVNT	2-DH5	2480	Ant1	2.58	1.14	3.72	0.00236	30	Pass
NVNT	3-DH5	2402	Ant1	3.32	1.14	4.46	0.00279	30	Pass
NVNT	3-DH5	2441	Ant1	3.13	1.14	4.27	0.00267	30	Pass
NVNT	3-DH5	2480	Ant1	2.47	1.14	3.61	0.0023	30	Pass



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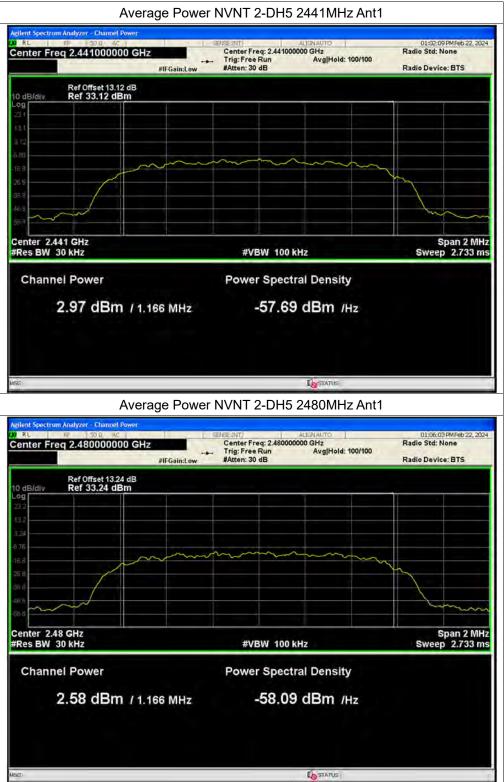


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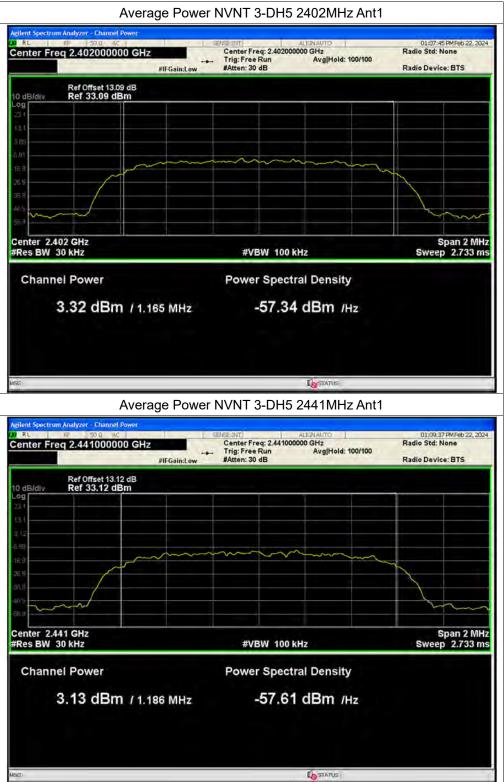




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A.5. 20 dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)
NVNT	1-DH5	2402	Ant1	0.95
NVNT	1-DH5	2441	Ant1	0.96
NVNT	1-DH5	2480	Ant1	1.017
NVNT	2-DH5	2402	Ant1	1.285
NVNT	2-DH5	2441	Ant1	1.256
NVNT	2-DH5	2480	Ant1	1.23
NVNT	3-DH5	2402	Ant1	1.28
NVNT	3-DH5	2441	Ant1	1.276
NVNT	3-DH5	2480	Ant1	1.268



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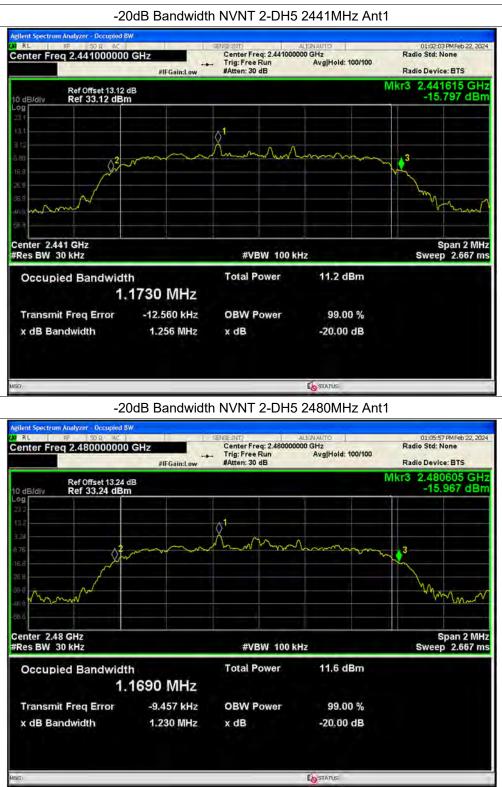




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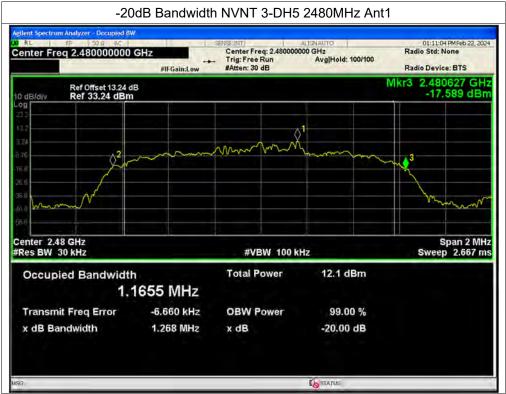




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A.6. Carried Frequency Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.158	2402.986	0.828	0.633	Pass
NVNT	2-DH5	Ant1	2401.858	2403.01	1.152	0.857	Pass
NVNT	3-DH5	Ant1	2402.04	2403.02	0.98	0.853	Pass



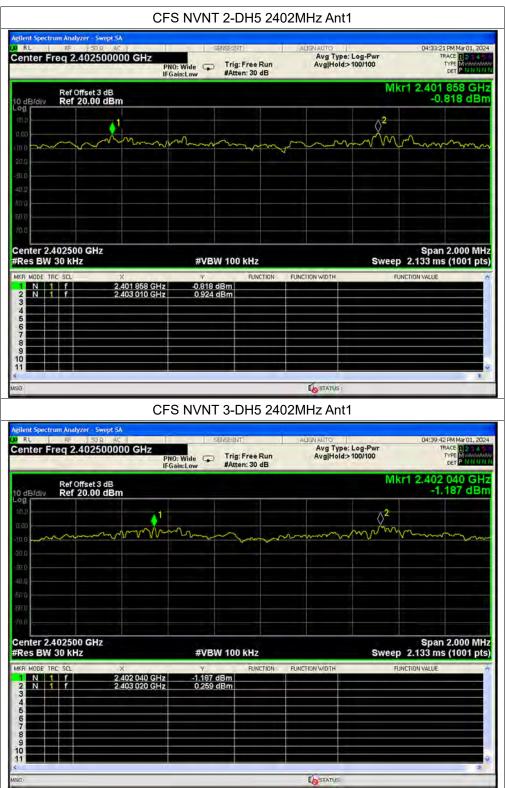


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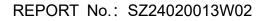
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A.7. Time of Occupancy (Dwell time)

Condition	Mode	Frequency	Antenna	Pulse Time	Total Dwell	Burst	Period	Limit	Verdict	
		(MHz)		(ms)	Time (ms)	Count	Time (ms)	(ms)	veruict	
NVNT	1-DH1	2402	Ant1	0.378	116.802	309	31600	400	Pass	
NVNT	1-DH3	2402	Ant1	1.633	272.711	167	31600	400	Pass	
NVNT	1-DH5	2402	Ant1	2.882	311.256	108	31600	400	Pass	
NVNT	2-DH1	2402	Ant1	0.384	120.576	314	31600	400	Pass	
NVNT	2-DH3	2402	Ant1	1.637	243.913	149	31600	400	Pass	
NVNT	2-DH5	2402	Ant1	2.882	308.374	107	31600	400	Pass	
NVNT	3-DH1	2402	Ant1	0.386	121.59	315	31600	400	Pass	
NVNT	3-DH3	2402	Ant1	1.635	233.805	143	31600	400	Pass	
NVNT	3-DH5	2402	Ant1	2.887	280.039	97	31600	400	Pass	

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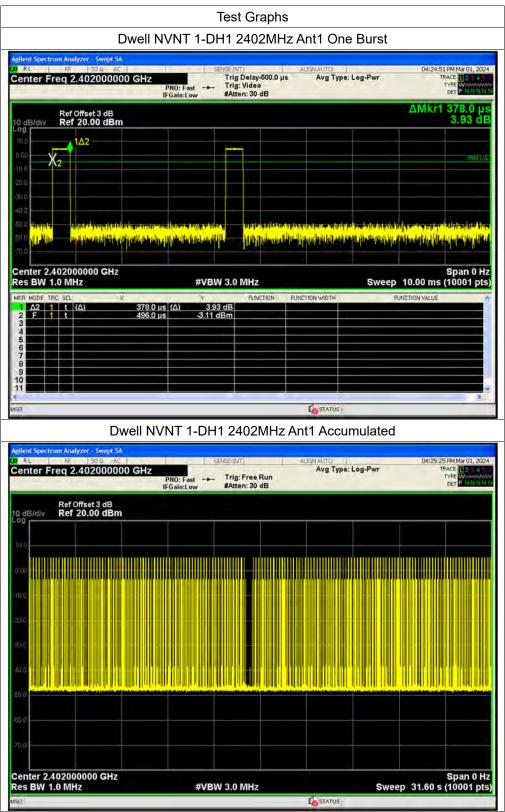
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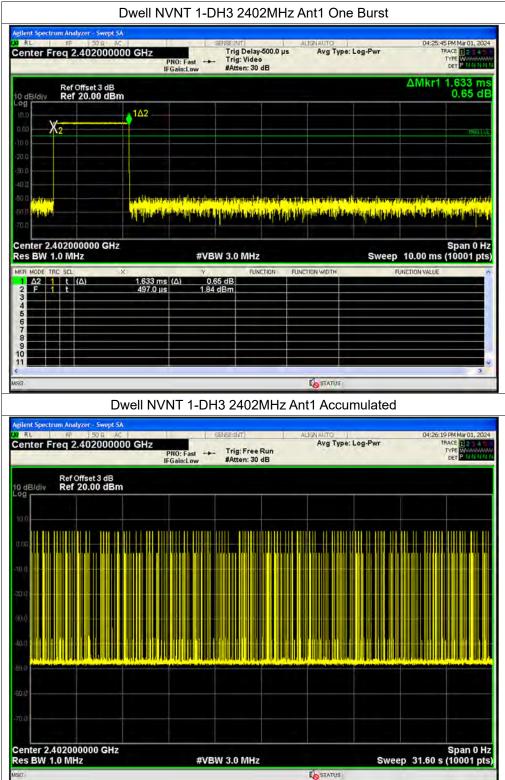




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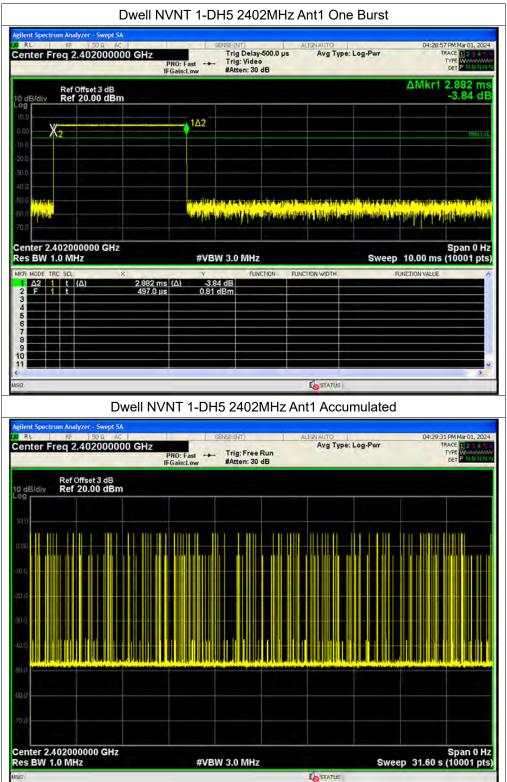




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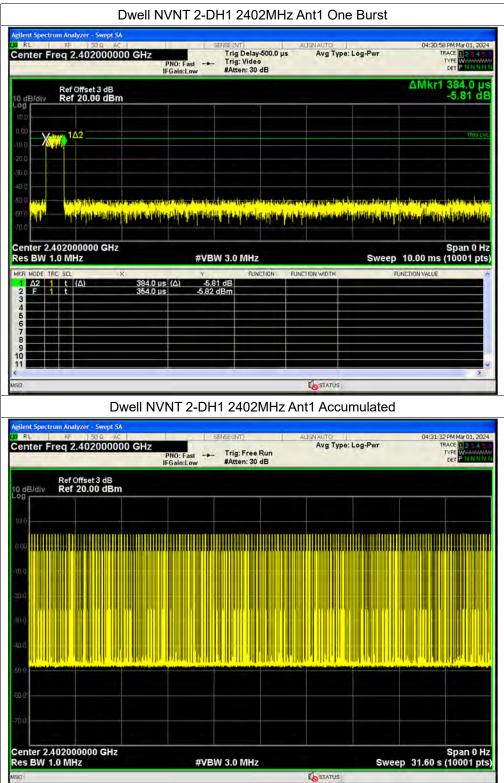




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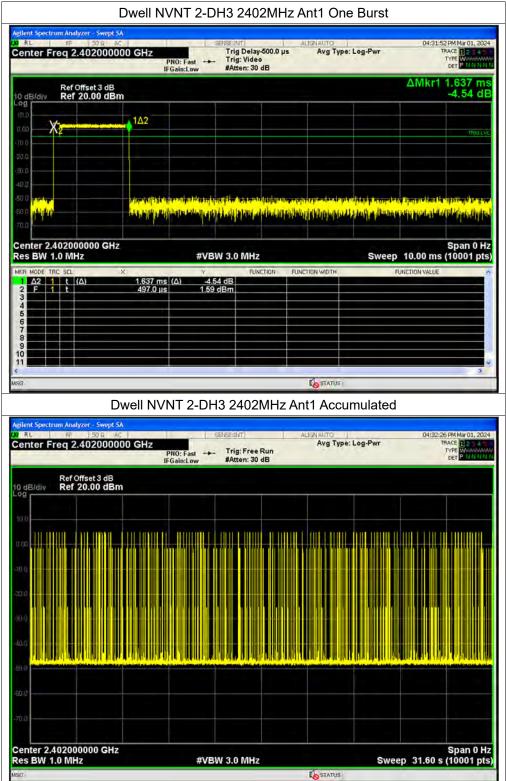




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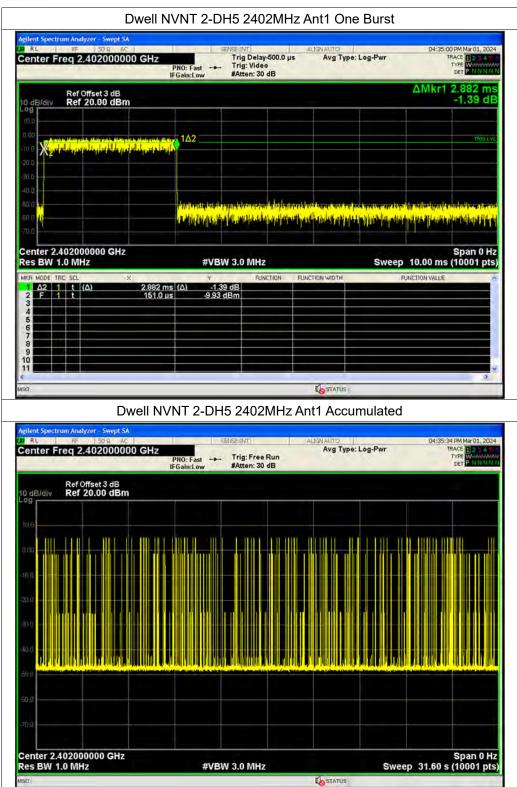




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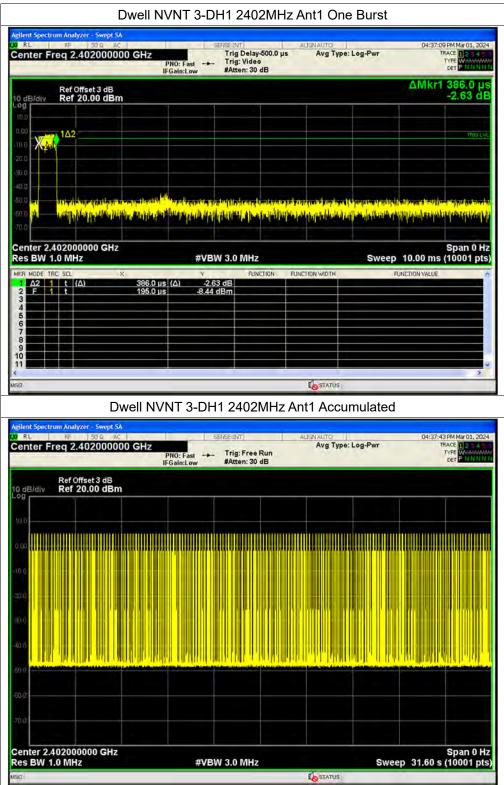
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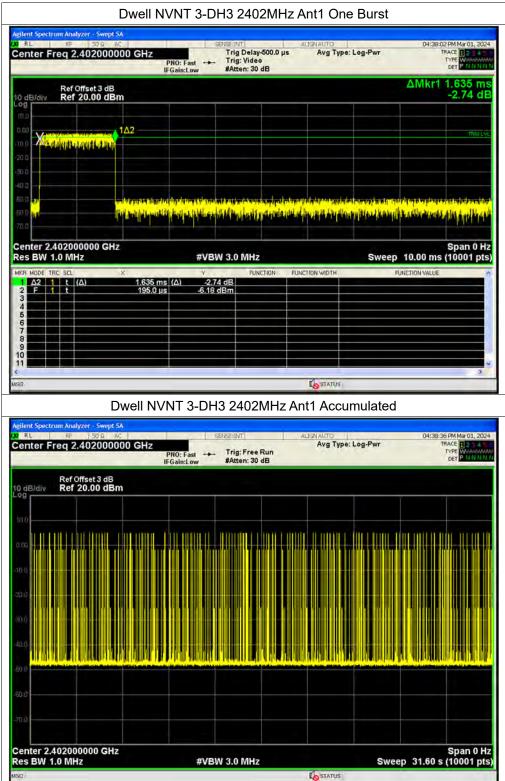






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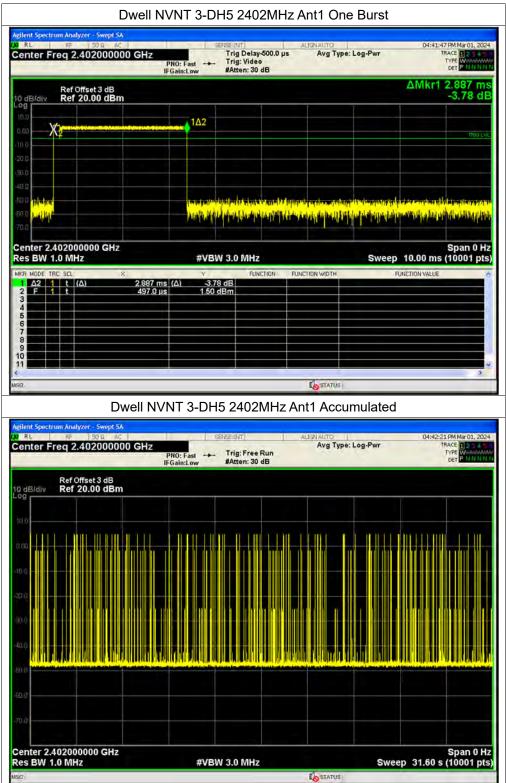




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A.8. Conducted Spurious Emissions

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-46.24	-20	Pass
NVNT	1-DH5	2441	Ant1	-45.41	-20	Pass
NVNT	1-DH5	2480	Ant1	-45.11	-20	Pass
NVNT	2-DH5	2402	Ant1	-46.07	-20	Pass
NVNT	2-DH5	2441	Ant1	-45.87	-20	Pass
NVNT	2-DH5	2480	Ant1	-45.41	-20	Pass
NVNT	3-DH5	2402	Ant1	-45.21	-20	Pass
NVNT	3-DH5	2441	Ant1	-45.43	-20	Pass
NVNT	3-DH5	2480	Ant1	-45.02	-20	Pass



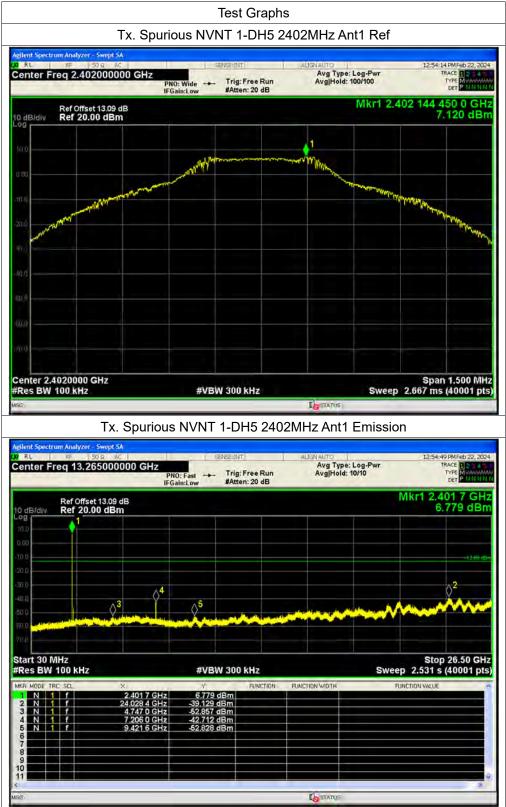
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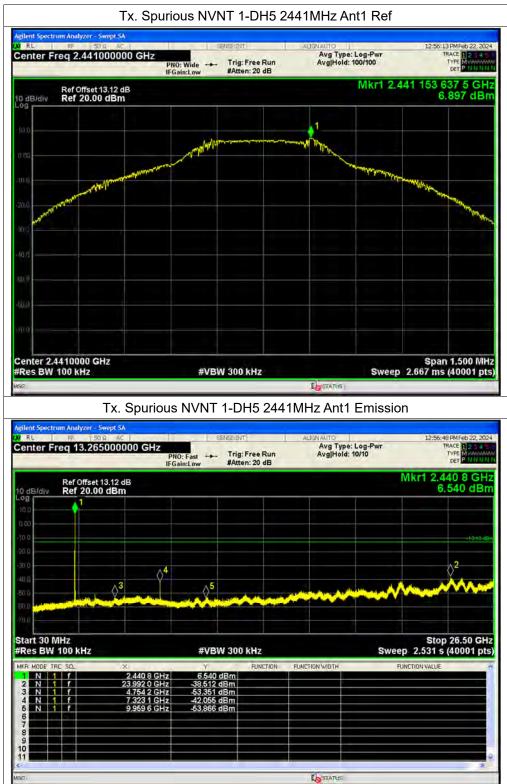


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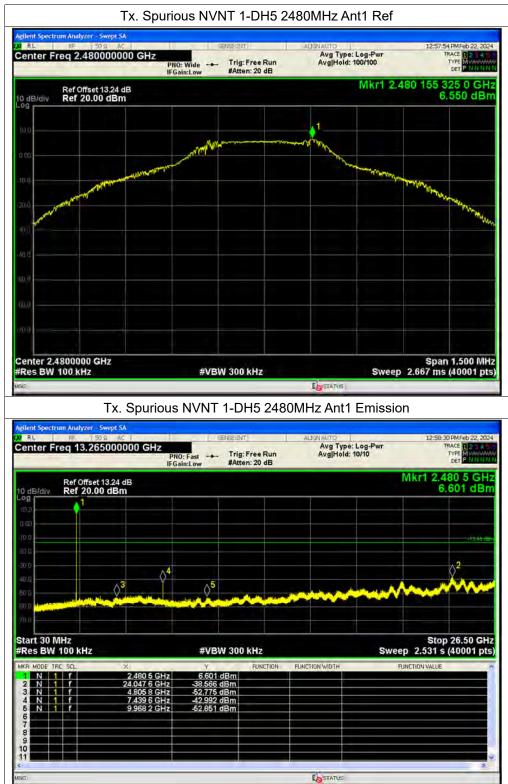
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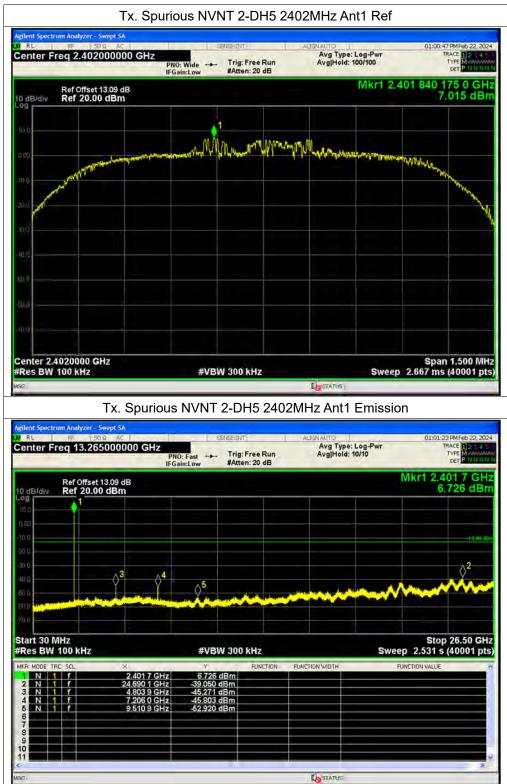
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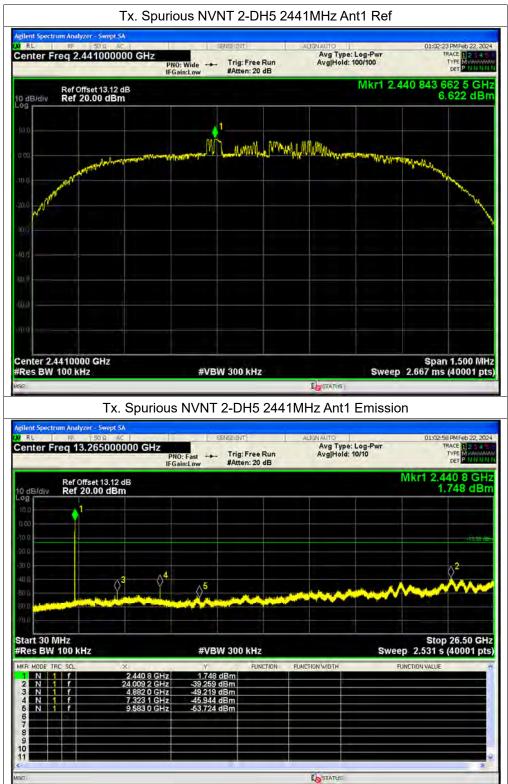


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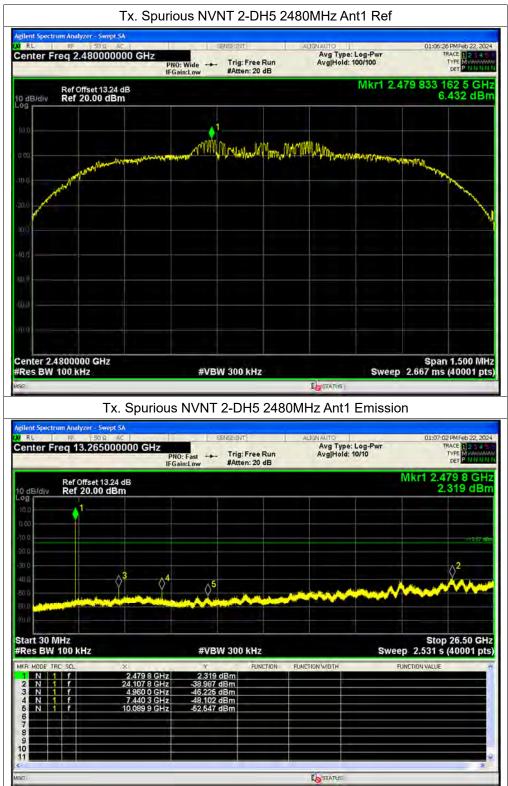




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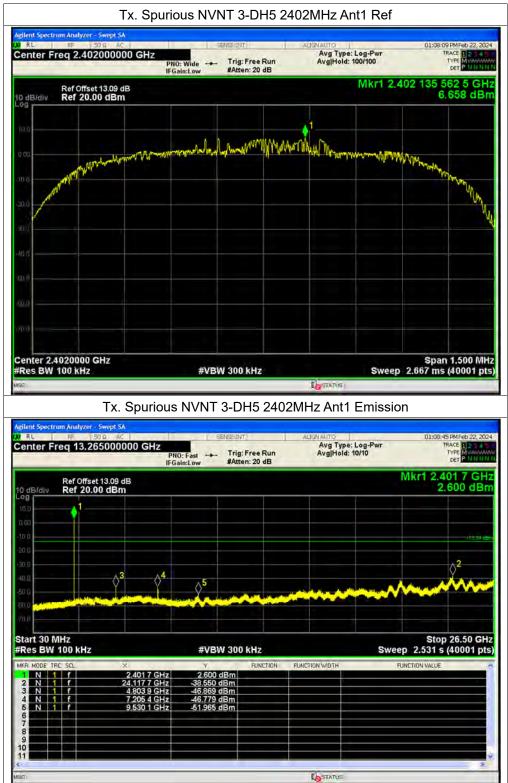


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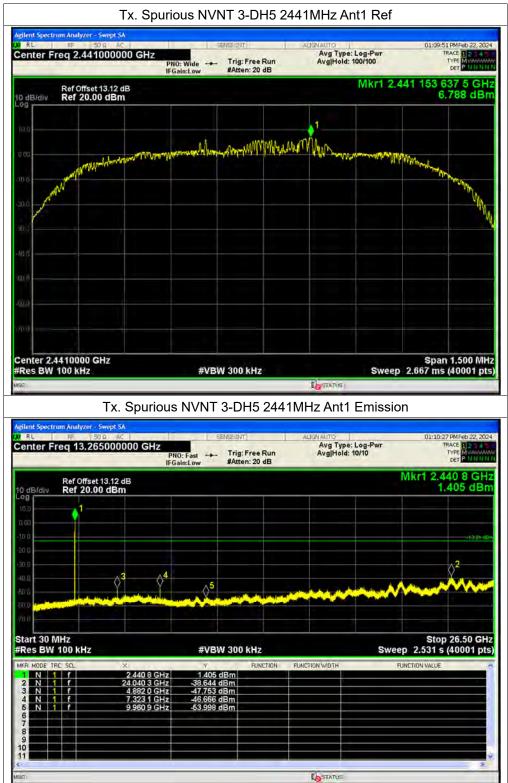




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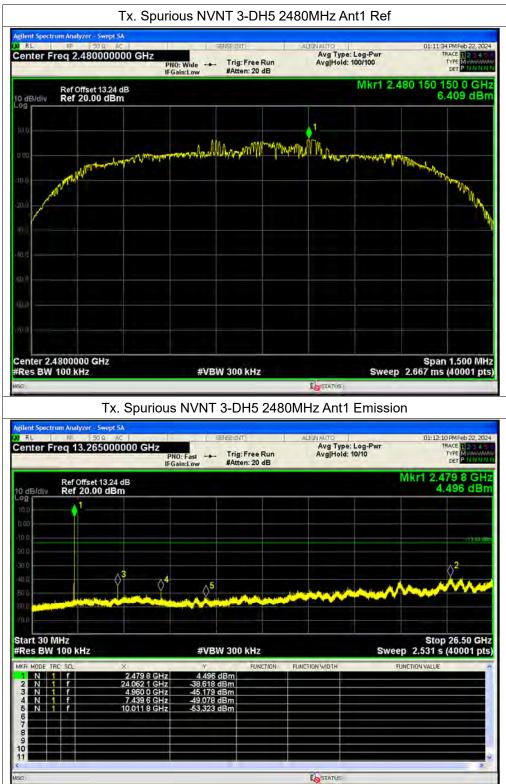
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A.9. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-53.1	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-52.37	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-52.86	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-51.94	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-51.96	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-52.01	-20	Pass
NVNT	1-DH5	2402	Ant1	Hopping	-60.52	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-60.05	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-59.56	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-59.99	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-58.34	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-59.14	-20	Pass



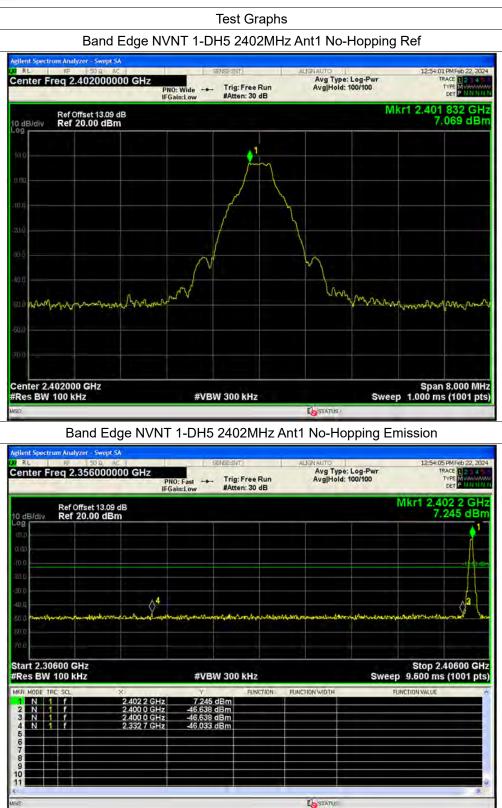
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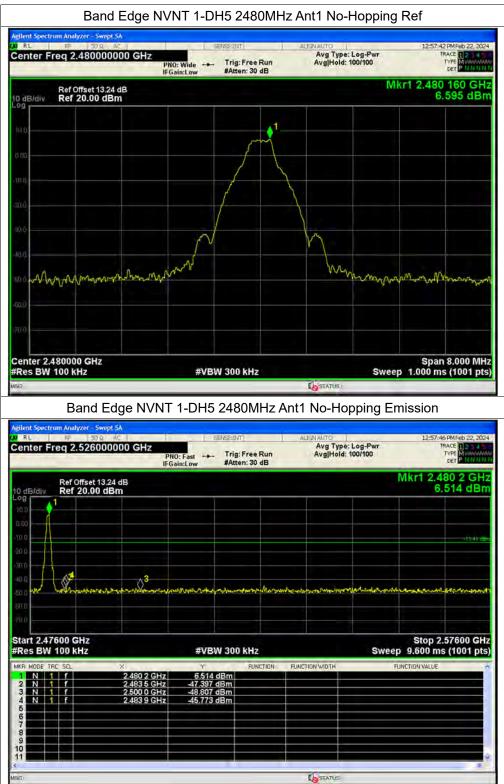




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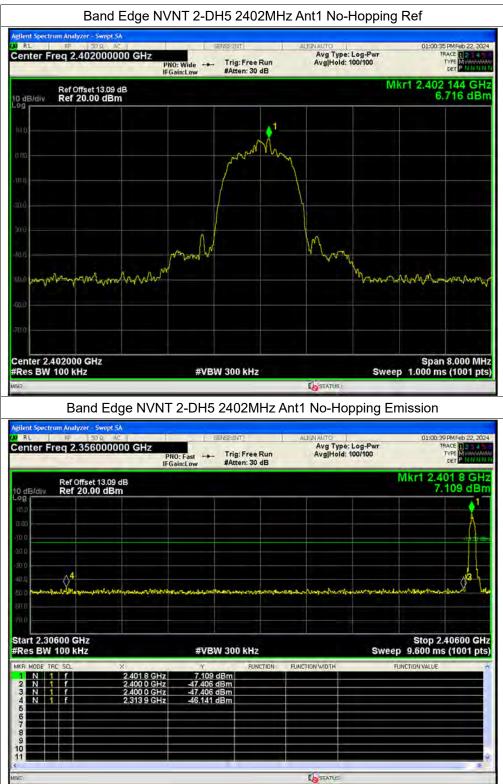




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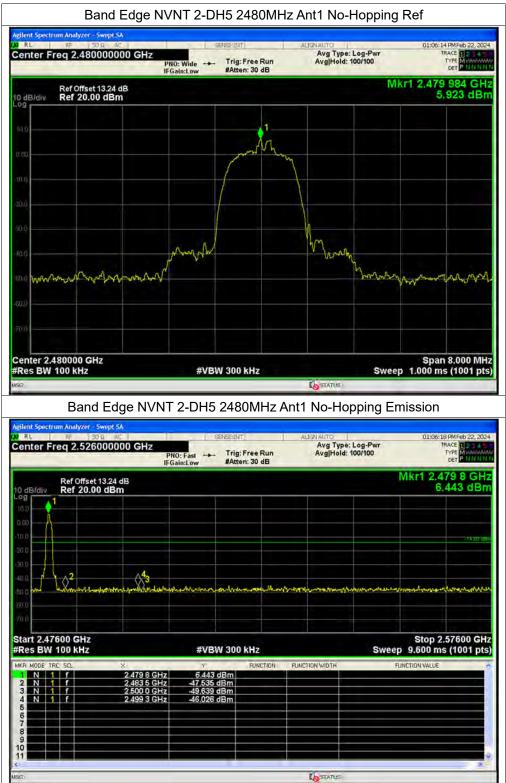


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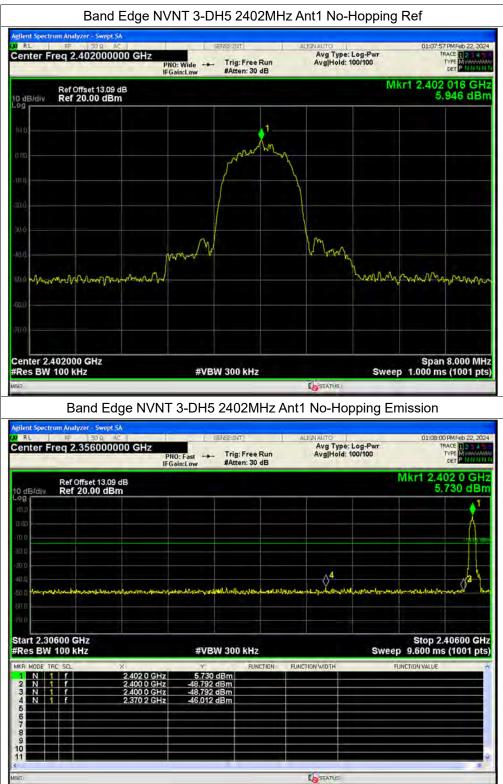
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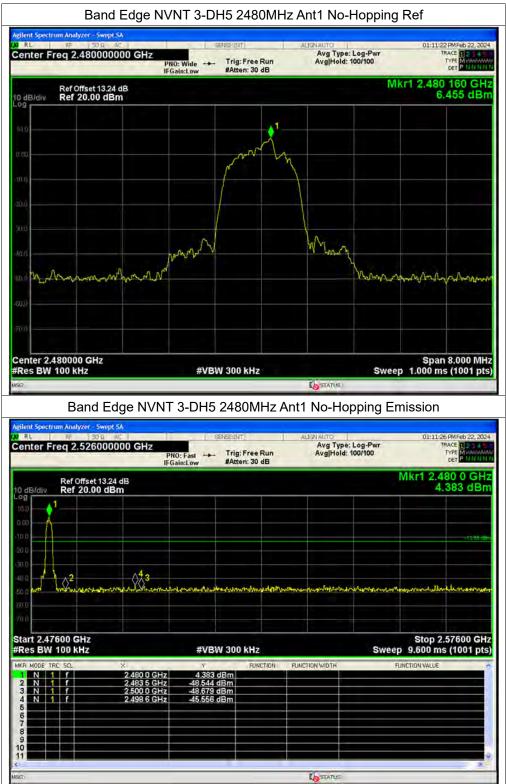




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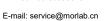
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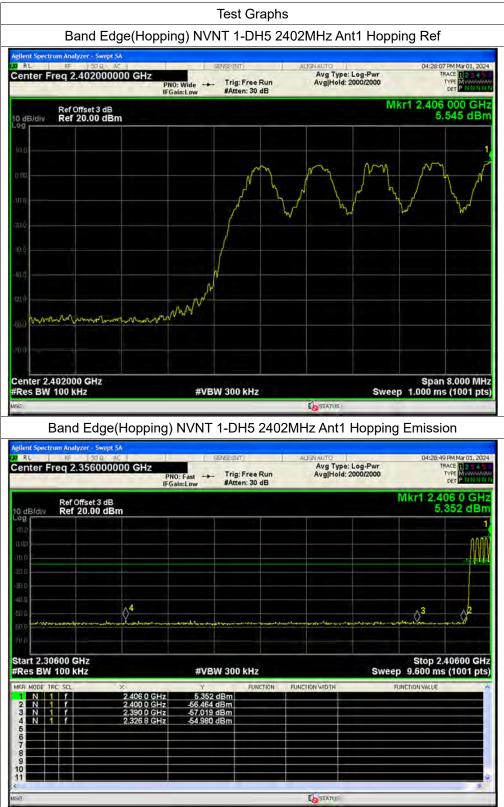


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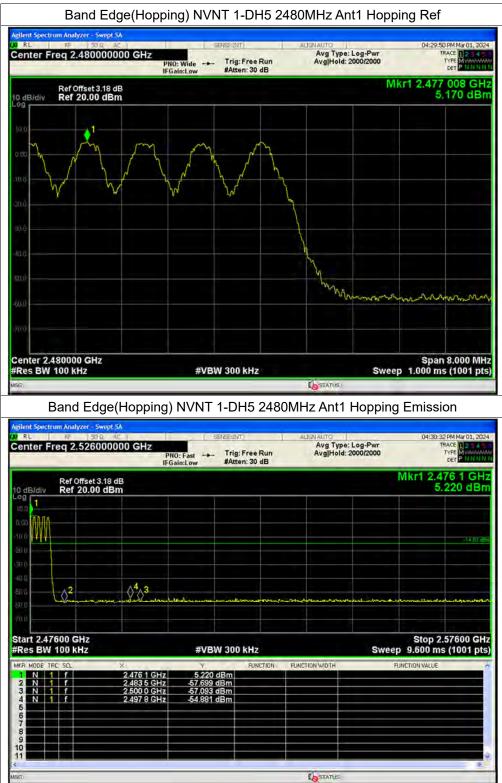






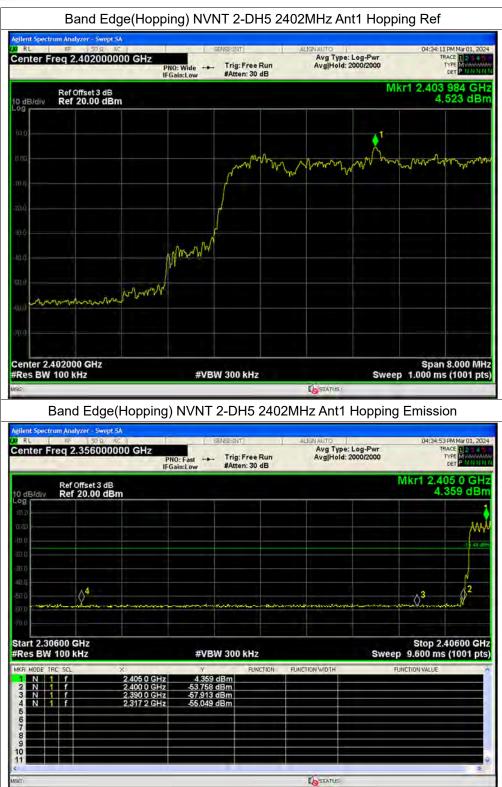
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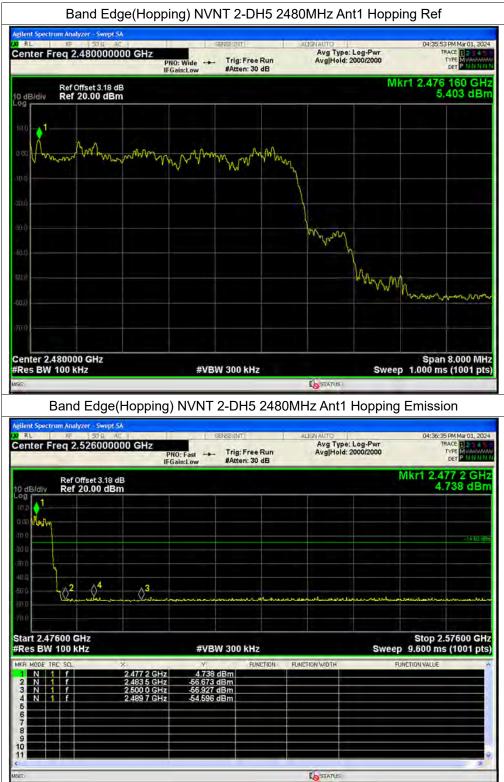
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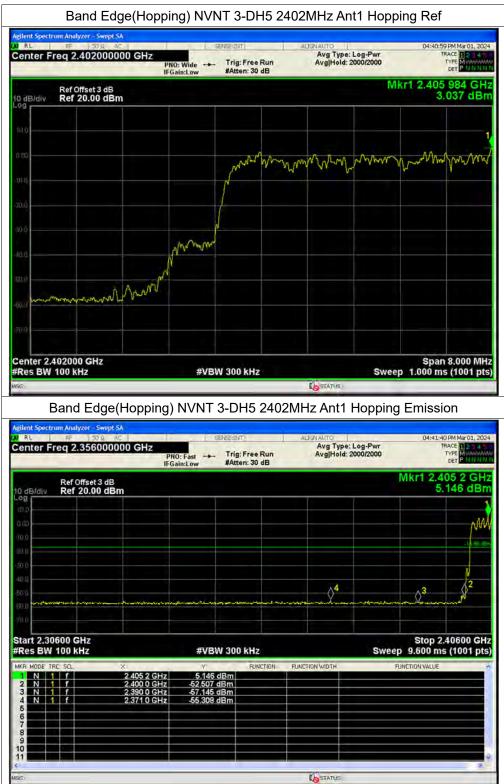




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A.10. Conducted Emission

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

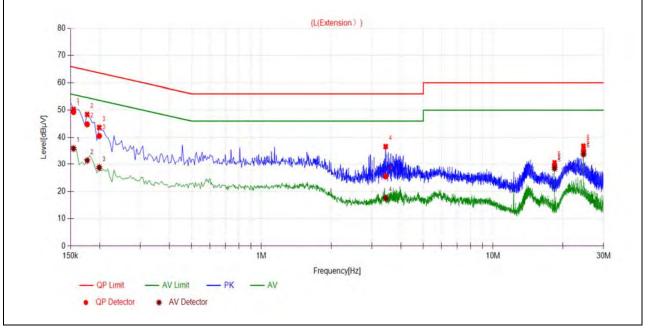
A. Test Setup:

Test Mode: <u>EUT + PC + PC Adapter + BT TX</u> Test voltage: <u>AC 120V/60Hz</u> The measurement results are obtained as below: E [dB μ V] =U_R + L_{Cable loss} [dB] + A_{Factor} U_R: Receiver Reading A_{Factor}: Voltage division factor of LISN





B. Test Plot:



(L Phase)

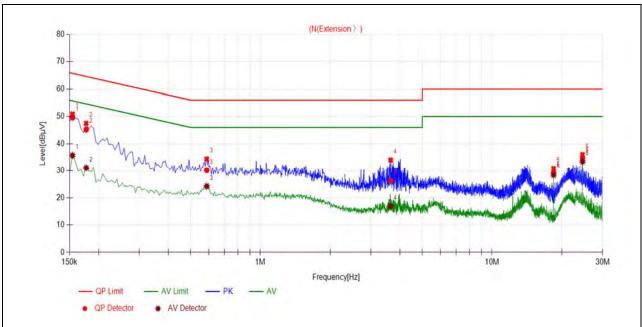
No.	Fre.	Emission L	.evel (dBµV)	Limit (dBµV)	Power-line	Verdict
	(MHz)	Quai-peak	Average	Quai-peak	Average		voruiot
1	0.1545	49.34	35.89	65.76	55.76		PASS
2	0.1770	44.82	31.39	64.62	54.62		PASS
3	0.1995	40.51	28.73	63.63	53.63	Line	PASS
4	3.4393	25.47	17.50	56.00	46.00	Line	PASS
5	18.4328	29.62	28.41	60.00	50.00		PASS
6	24.5760	35.11	33.78	60.00	50.00		PASS



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(N	Phase)
----	--------

No.	Fre.	Emission L	.evel (dBµV)	Limit (dBµV)	Power-line	Verdict
	(MHz)	Quai-peak	Average	Quai-peak	Average		
1	0.1545	49.66	35.73	65.75	55.75		PASS
2	0.1770	45.23	31.09	64.62	54.62		PASS
3	0.5865	30.19	24.22	56.00	46.00	Noutral	PASS
4	3.6511	26.26	16.86	56.00	46.00	Neutral	PASS
5	18.4320	29.27	28.38	60.00	50.00		PASS
6	24.5756	34.70	33.45	60.00	50.00		PASS



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A.11. Restricted Frequency Bands

The lowest and highest channels are tested to verify the Restricted Frequency Bands.

The measurement results are obtained as below:

 $E [dB\mu V/m] = U_R + A_T + A_{Factor} [dB]; A_T = L_{Cable loss} [dB] - G_{preamp} [dB]$

A_T: Total correction Factor except Antenna

U_R: Receiver Reading

G_{preamp}: Preamplifier Gain

A_{Factor}: Antenna Factor at 3m

Note: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

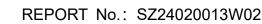
Receiver Max. Detector Frequency Reading AT Emission Limit A_{Factor} Channel Verdict (MHz) U_R (dB) (dB@3m) Е (dBµV/m) PK/AV (dBµV) $(dB\mu V/m)$ 0 2388.09 PΚ 74 PASS 23.91 6.74 27.20 57.85 2379.35 0 AV 11.71 6.74 27.20 45.65 54 PASS 78 2496.19 PΚ 23.21 6.74 27.20 57.15 74 PASS 2487.22 AV 6.74 47.31 PASS 78 13.37 27.20 54

GFSK Mode



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0 5									im Analyzei		
Marker Select Marke	eb 29, 2024 1 2 3 4 5 6 M WARNING P P N N N N	TYPE	ALIGN OFF Type: Voltage Hold:>100/100		g: Free Run tten: 6 dB	Ģ	PNO: Fast	8000000		12	ke
Sereet marke	8 GHz dBµV	2.388 08 23.910	Mkr1					9 dBµV	Ref 82.	v	B/d
Norm											
De		1 ² .	erent for a har of May				unando sense train	- An a gave	-		
Fixe											
c	001 pts)	Stop 2.404 000 ms (10 FUNCTION	Sweep 1	FUNCTION	MHz	BW :	#VB	MHz	0 GHz SPR) 1		B
Propertie		Lamation			10 dBµV 25 dBµV		8 088 GHz 0 000 GHz	2.38	f	1	N
Ma 1 o											
	- T \										

(PEAK, Channel 0, GFSK)



(AVERAGE, Channel 0, GFSK)

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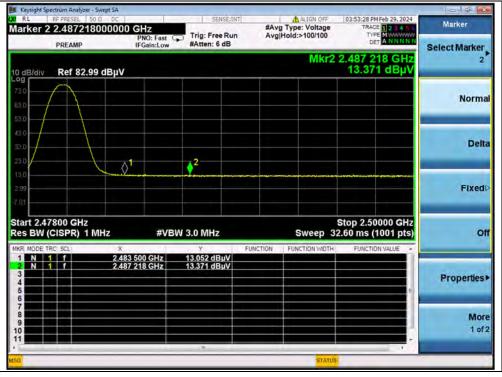
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Marker	PM Feb 29, 2024 ACE 1 2 3 4 5 6 VPE M WWWWWWWW	TRA	ALIGN OFF Type: Voltage Hold:>100/100	A	SENSE:IN g: Free Run tten: 6 dB		PNO: Fast	DC 0000 G	nalyzer - Swe SEL 50 Ω 619400	RF PRE	-1
Select Marker 2	194 GHz 12 dBµV	2.496	Mkr2		tten: 6 dB	v ÷	IFGain:Low		MP 82.99 c	PRE/	div
Norm										\cap	1
Del		2	Bakan of the obtaining of the	Anna	ala ana ang tanaka	caraloter	marinen	1	- Contraction of the second se		/
Fixed											
C	00000 GHz (1001 pts)	.000 ms	Sweep 1	FUNCTION	MHz	/BW 3.	#V	z	GHz R) 1 MH	7800 CISP	BW (
Properties		(904)		1 2012 1011	01 dBµV 12 dBµV		500 GHz 194 GHz	2.483 5		f f	N
Mo 1 of											
			STATUS		181		_				

(PEAK, Channel 78, GFSK)



(AVERAGE, Channel 78, GFSK)

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π/4-DQPSK Mode

Channel	Frequency	Detector	Receiver Reading	A _T	A _{Factor}	Max. Emission	Limit	Verdict
	(MHz)	PK/ AV	U _R (dBµV)	(dB)	(dB@3m)	E (dBµV/m)	(dBµV/m)	Voraiot
0	2385.07	PK	23.27	6.74	27.20	57.21	74	PASS
0	2386.11	AV	11.37	6.74	27.20	45.31	54	PASS
78	2490.78	PK	24.11	6.74	27.20	58.05	74	PASS
78	2484.31	AV	13.36	6.74	27.20	47.30	54	PASS



(PEAK, Channel 0,π/4-DQPSK)



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Marker Select Marker	11:00:45 AM Feb 29, 2024 TRACE 1 2 3 4 5 6 TVPE M	ALIGN OFF Type: Voltage Hold:>100/100	#A	SENSE:IN Trig: Free Run #Atten: 6 dB	GHz PNO: Fast IFGain:Low	Analyzer - Swept SA ESEL 50 Ω DC 86112000000	RL
1	386 112 GHz 11.367 dBµV	Mkr1				ef 82.99 dBµV	0 dB/div
Norm	$ \land$						90 30 30
Delt							i3.0 i3.0 i3.0
Fixed	¹ § ²						3.0 3.0 .99
o	op 2.40400 GHz 0 ms (1001 pts)		FUNCTION	3.0 MHz	#VBV	PR) 1 MHz	tart 2.30 es BW (C
Properties	E		PORCHON	11.367 dBµV 11.329 dBµV	5 112 GHz 0000 GHz	2.386	1 N 1 2 N 1 3 4 5 5
Mor 1 of							6 7 8 9 0
1		STATUS		m			a

(AVERAGE, Channel 0, π/4-DQPSK)



(PEAK, Channel 78, π/4-DQPSK)

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6	04:12:15 PM Feb 29, 2024	ALIGN OFF	m	SENSE:IM	1	alyzer - Swept SA		1
Marker Select Marker	TRACE 23456 TYPE MWWWWW DET ANNNNN	Type: Voltage Hold:>100/100		Trig: Free Rur #Atten: 6 dB	PNO: Fast	1314000000 C	2.48	er 2
Select Warker	484 314 GHz 13.357 dBµV	Mkr2				82.99 dBµV	Ref	ldív
Norm							\wedge	1
Dell					.2			/
Fixed	NY 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		*******					
o	op 2.50000 GHz 60 ms (1001 pts)		FUNCTION	3.0 MHz	#VBW :	iHz) 1 MHz ×	7800 G CISPR	3W (
Properties	POWLTON VALUE	FONCTION WIDTH	PONCTION	12.689 dBµV 13.357 dBµV		2.483 5		N 1
Mo								

(AVERAGE, Channel 78, π/4-DQPSK)



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8-DPSK Mode

Channel	Frequency	Detector	Receiver Reading	A _T	A _{Factor}	Max. Emission	Limit	Verdict
	(MHz)	PK/ AV	U _R (dBµV)	(dB)	(dB@3m)	E (dBµV/m)	(dBµV/m)	Voraiot
0	2380.18	PK	23.03	6.74	27.20	56.97	74	PASS
0	2390.00	AV	11.37	6.74	27.20	45.31	54	PASS
78	2485.66	PK	23.17	6.74	27.20	57.11	74	PASS
78	2483.74	AV	13.50	6.74	27.20	47.44	54	PASS

RL	RF PRESEL 50		SENS	ESIMI	ALIGN OFF	11:17:28 AM Feb 29,	
arker	1 2.3801840	000000 GHz PNO: Fa	Trig: Free		/pe: Voltage ld:>100/100	TRACE 1 2 3 TYPE MWW	*****
	PREAMP	IFGain:L	ow #Atten: 6 c	B		DET	Select Marker
0 dB/div	Ref 82.99	dBµV			Mkr1	2.380 184 G 23.032 dB	HZ 1 JuV
og 30							Δ
aù							Norma
3 D							
3,0							
0.6							Delt
3.0	-	and and and an an and an and an and an and an	un and warman and	and the second of the second second	and the state of t	2	
3.0							-
2.99					-		Fixed
cát					-		
tart 2 3	0000 GHz					Stop 2.40400 (247
	(CISPR) 1 M	Hz #	VBW 3.0 MHz			000 ms (1001	
KR MODE	TRC SCL	x	*	FUNCTION	UNCTION WIDTH	FUNCTION VALUE	
1 N 2 N	1 1	2.380 184 GH 2.390 000 GH					
3		2.050 000 011		و يحصص ال			Properties
5							E
6							
8							Mor
0							1 of:
1			19				

(PEAK, Channel 0, 8-DPSK)



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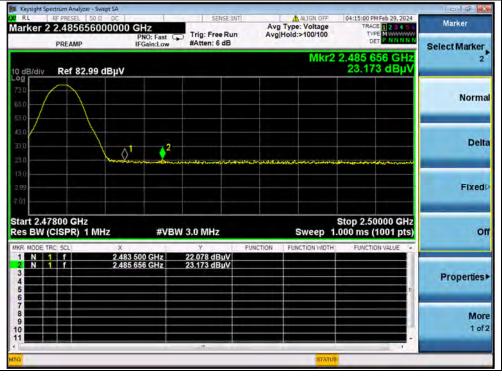
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Marker	Feb 29, 2024	11:18:00 AM	ALIGN OFF		SENSE:IN		yzer - Swept SA 50 Ω DC	RE PRESEL	-1
Select Marker		TYPE	Hold:>100/100	Avg	Trig: Free Run #Atten: 6 dB	PNO: Fast C	064000000 ,	PREAMP	ker 1
1		2.338 06 11.342	Mkr1				2.99 dBµV	Ref 82	3/dív
Norm	\square								
Del									
Fixed	1	\$ ²				∮ ¹			
C	001 pts)		Sweep 15		3.0 MHz	#VBW	1 MHz		BW (0
Properties	IVALUE .	FUNCTION	FUNCTION WIDTH	FUNCTION	11.342 dBµV 11.371 dBµV			1	N 1
2002									
More 1 of 2			STATUS		19				

(AVERAGE, Channel 0, 8-DPSK)



(PEAK, Channel 78, 8-DPSK)

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	04:14:06 PM Feb 29, 2024	ALIGN OFF	T	SENSE:IN		L 50 0 DC	L RF PRESE
Marker	TRACE 2 3 4 5 6 TYPE M WARMAN	g Type: Voltage Hold:>100/100		Trig: Free Run		742000000	ker 2 2.483
Select Marker	DETANNNNN	100/100	Avg	#Atten: 6 dB	PNO: Fast C IFGain:Low		PREAM
2	2.483 742 GHz 13.500 dBµV	Mkr2				82.99 dBµV	B/div Ref
Norm							\bigwedge
Del					2		
Fixed		• • • • • • • • • • • • • • • • • •		*********		<u> </u>	
c	Stop 2.50000 GHz 2.60 ms (1001 pts)	Sweep 32		W 3.0 MHz	#VB		t 2.47800 G BW (CISPR
	FUNCTION VALUE	FUNCTION WIDTH	FUNCTION	13.019 dBuV	500 GHz	× 2.483 5	NODE TRC SCL
Properties	=			13.500 dBµV	742 GHz	2.483 7	N 1 f
Mo 1 ol							
1.01				-10			

(AVERAGE, Channel 78, 8-DPSK)



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A.12. Radiated Emission

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak (or average) limit, it is unnecessary to perform an quasi-peak measurement (or average).

The measurement results are obtained as below:

 $E [dB\mu V/m] = U_R + A_T + A_{Factor} [dB]; A_T = L_{Cable loss} [dB] - G_{preamp} [dB]$

A_T: Total correction Factor except Antenna

U_R: Receiver Reading

G_{preamp}: Preamplifier Gain

A_{Factor}: Antenna Factor at 3m

During the test, the total correction Factor A_T and A_{Factor} were built in test software.

Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Field strength of fundamental:

Frequency	Reading_Peak	Antenna	Path Loss	Final_Peak	Antenna
(MHz)	(dBµV/m)	Factor (dB)	(dB)	(dBµV/m)	Polarity
2402.15	80.10	27.20	6.74	114.04	Vertical

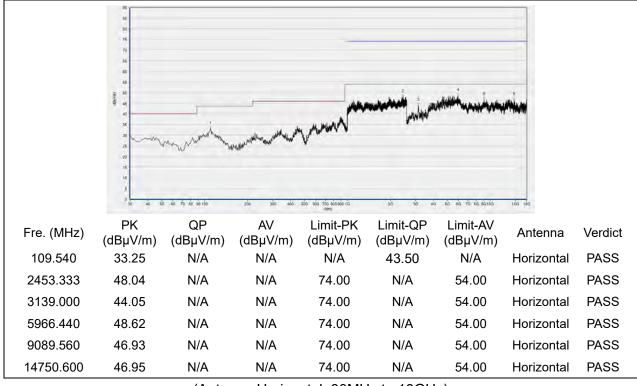
The field strength (the lowest) of fundamenta is more than 20dB higher than the unwanted emissions, in accordance with FCC part 15.215(b).



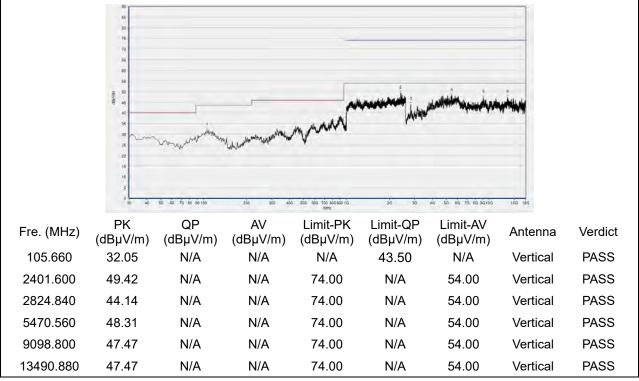


GFSK Mode

Plots for Channel 0



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)



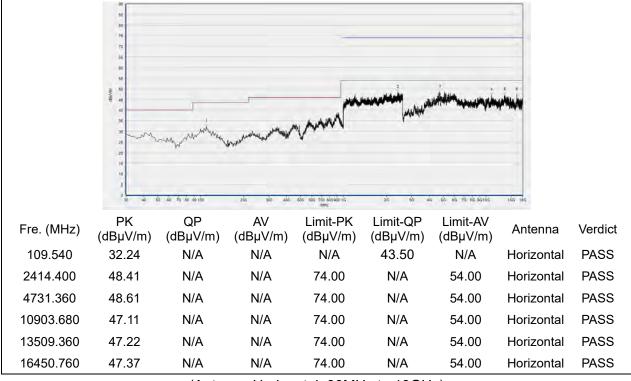
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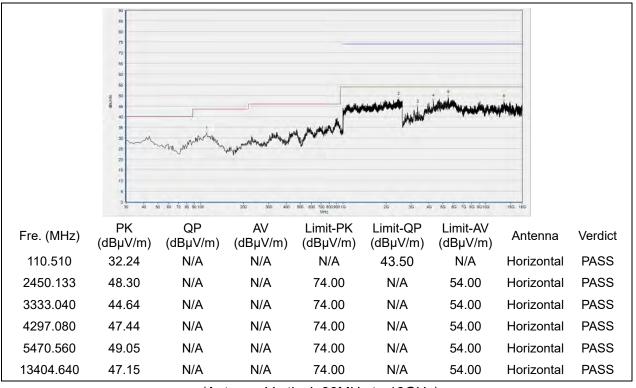
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Plot for Channel 39



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)



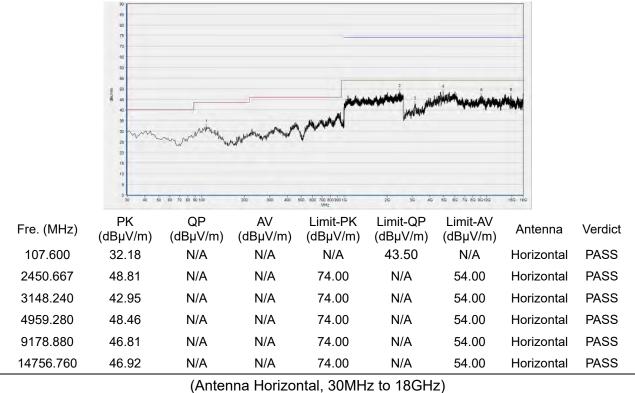
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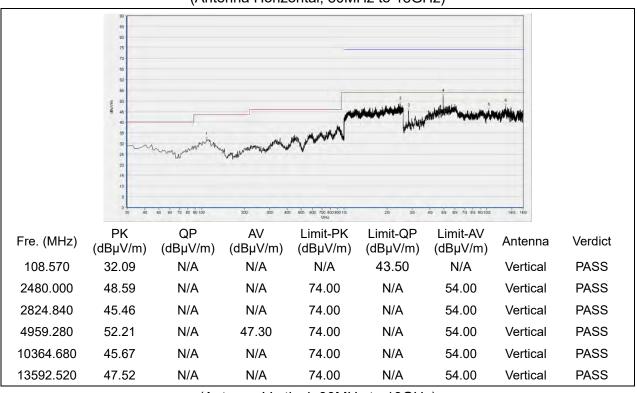
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Plot for Channel 78





(Antenna Vertical, 30MHz to 18GHz)



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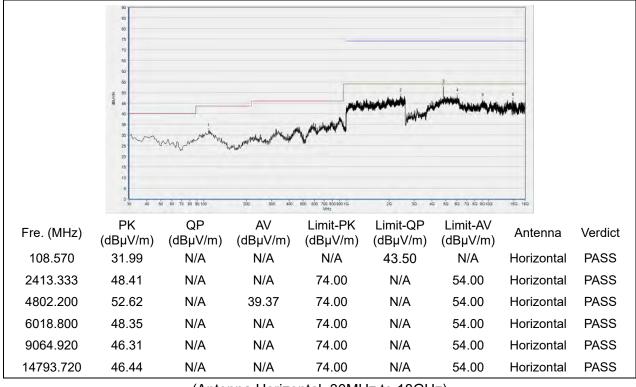
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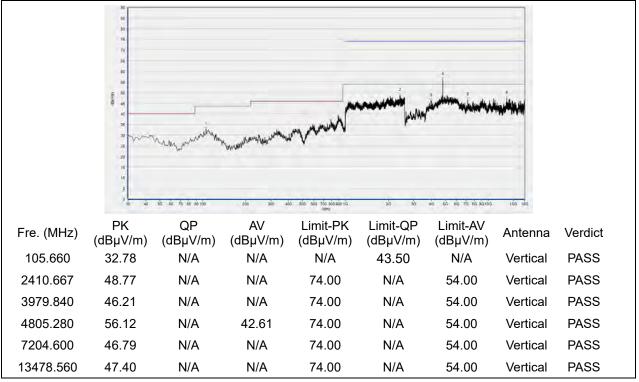


π/4-DQPSK Mode

Plots for Channel 0



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)



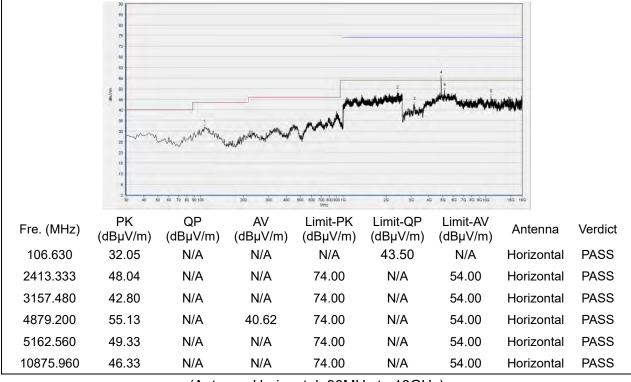
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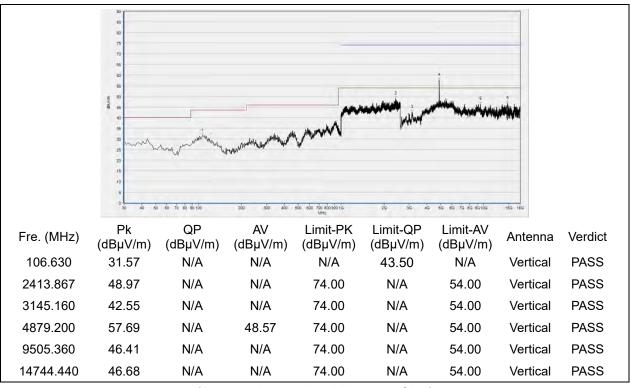
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Plot for Channel 39



(Antenna Horizontal, 30MHz to 18GHz)



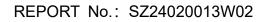
(Antenna Vertical, 30MHz to 18GHz)



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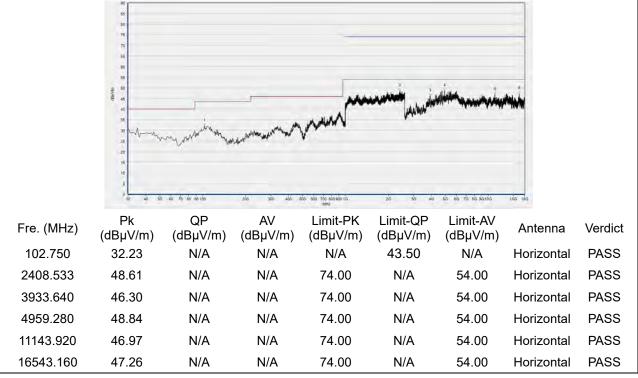
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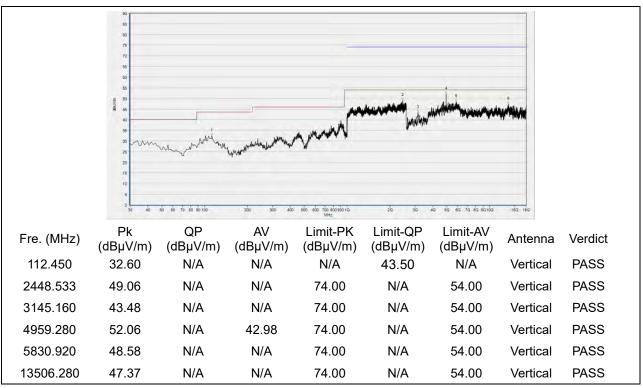




Plot for Channel 78



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)



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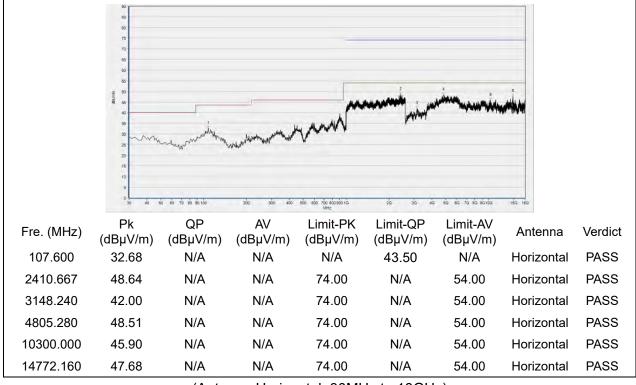
Http://www.morlab.cn E-mail: service@morlab.cn

Page 107 of

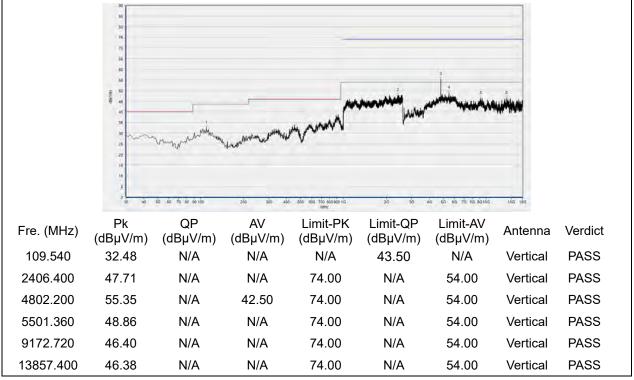


8-DPSK Mode

Plots for Channel 0



(Antenna Horizontal, 30MHz to 18GHz)



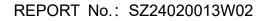
(Antenna Vertical, 30MHz to 18GHz)



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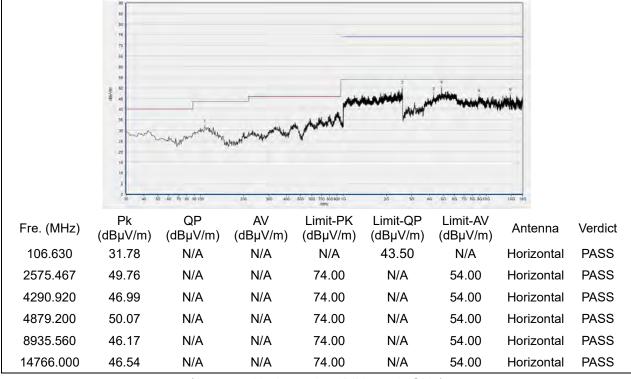
Fax: 86-755-36698525

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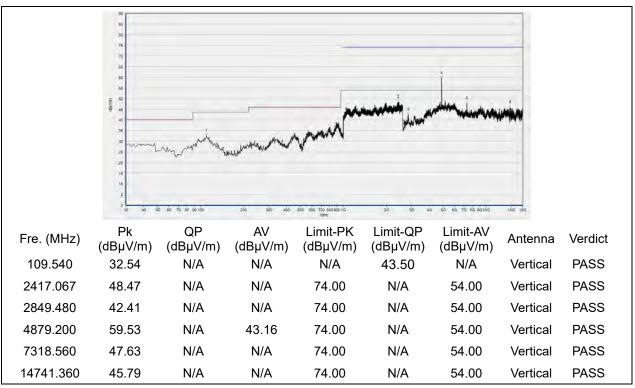




Plot for Channel 39



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)



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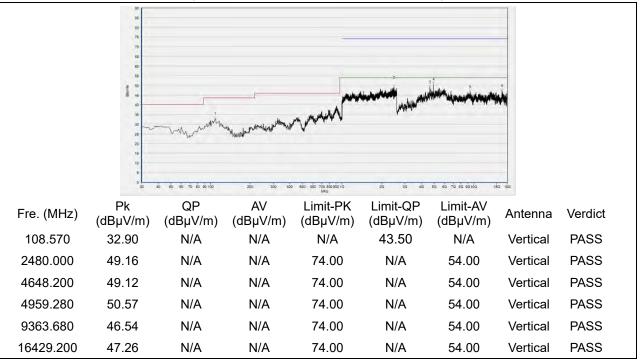




Plot for Channel 78

		m when the series	20 20 20 00					
Fre. (MHz)	Pk (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
111.480	33.29	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2405.867	48.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
4737.520	49.98	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5797.040	48.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
9068.000	46.59	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12394.400	47.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT



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