

Prüfbericht-Nr.: <i>Test report no.:</i>	CN24NH2P 001	Auftrags-Nr.: <i>Order no.:</i>	326034984	Seite 1 von 50 <i>Page 1 of 50</i>
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	/	Auftragsdatum: <i>Order date:</i>	2024-06-27	
Auftraggeber: <i>Client:</i>	Targus International LLC 1211 North Miller Street, Anaheim, CA 92806 USA.			
Prüfgegenstand: <i>Test item:</i>	Wireless Keyboard			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	THZ988, THZ989, THZ993			
Auftrags-Inhalt: <i>Order content:</i>	Complete test			
Prüfgrundlage: <i>Test specification:</i>	FCC CFR47 Part 15, Subpart C Section 15.247 ANSI C63.10: 2013			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2024-10-10			
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003835299-001			
Prüfzeitraum: <i>Testing period:</i>	Refer to test report			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	genehmigt von: <i>authorized by:</i>			
X Tianlin Li Signed by: Tianlin Li		X Hongfei Wu Signed by: Hongfei Wu		
Datum: <i>Date:</i>	2025-01-23	Ausstellungsdatum: <i>Issue date:</i>	2025-01-23	
Stellung / Position:	Sachverständige(r)/Expert	Stellung / Position:	Sachverständige(r)/Expert	
Sonstiges / <i>Other:</i>	FCC ID: OXM000156			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

Prüfbericht-Nr.: CN24NH2P 001
Test report no.:

Seite 2 von 50
Page 2 of 50

Anmerkungen
Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
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4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

Prüfbericht - Nr.: CN24NH2P 001
*Test Report No.***Seite 3 von 50**
Page 3 of 50

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT*RESULT: Pass***5.1.2 6dB & 99% BANDWIDTH***RESULT: Pass***5.1.3 OUTPUT POWER***RESULT: Pass***5.1.4 POWER SPECTRAL DENSITY***RESULT: Pass***5.1.5 CONDUCTED BAND EDGE AND OUT-OF BAND EMISSIONS***RESULT: Pass***5.2.1 CONDUCTED EMISSION***RESULT: Pass***5.3.1 RADIATED BAND-EDGE***RESULT: Pass***5.3.2 RADIATED SPURIOUS EMISSION***RESULT: Pass*

Contents

1.	GENERAL REMARKS.....	5
1.1	COMPLEMENTARY MATERIALS.....	5
2.	TEST SITES.....	5
2.1	TEST FACILITIES	5
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS	6
2.3	TRACEABILITY	6
2.4	CALIBRATION	7
2.5	MEASUREMENT UNCERTAINTY	7
3.	GENERAL PRODUCT INFORMATION	8
3.1	PRODUCT FUNCTION AND INTENDED USE.....	8
3.2	RATINGS AND SYSTEM DETAILS	8
3.3	INDEPENDENT OPERATION MODES.....	9
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS.....	9
4.	TEST SET-UP AND OPERATION MODES	10
4.1	PRINCIPLE OF CONFIGURATION SELECTION.....	10
4.2	TEST OPERATION AND TEST SOFTWARE	10
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT.....	10
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE	10
5.	TEST RESULTS	11
5.1	CONDUCTED TESTING AT ANTENNA PORT.....	11
5.1.1	<i>Antenna Requirement</i>	<i>11</i>
5.1.2	<i>6dB & 99% Bandwidth.....</i>	<i>12</i>
5.1.3	<i>Output Power.....</i>	<i>19</i>
5.1.4	<i>Power Spectral Density</i>	<i>20</i>
5.1.5	<i>Conducted Band Edge and out-of Band Emissions</i>	<i>24</i>
5.2	EMISSION IN THE FREQUENCY RANGE UP TO 30MHZ	27
5.2.1	<i>Conducted Emission.....</i>	<i>27</i>
5.3	EMISSION IN THE FREQUENCY RANGE ABOVE 30MHZ	32
5.3.1	<i>Radiated Band-Edge.....</i>	<i>32</i>
5.3.2	<i>Radiated Spurious Emission.....</i>	<i>37</i>
6.	LIST OF TABLES.....	50
7.	LIST OF FIGURES	50

1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Photographs of the Test Set-up

2. Test Sites

2.1 Test Facilities

TÜV Rheinland (Shanghai) Co., Ltd.
Shanghai TÜV Rheinland Building No. 177, 178 Lane 777, West Guangzhong Rd, Jing'an District, Shanghai, China

The used test equipment is in accordance with CISPR 16 for measurement of radio interference.

The Federal Communications Commission has reviewed the technical characteristics of the radiated and conducted emission facility, and has found these test facilities to be in compliance with the requirements of section 2.948 of the FCC rules. The description of the test facility is listed under FCC registration number 930979.

The Innovation, Science and Economic Development Canada has reviewed the technical characteristics of the radiated and conducted emission facility, and has found these test facilities to be in compliance. The description of the test facility is listed under chambers filing number 33038.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Equip.	Description	Model	Manufacturer	Due Date DD.MM.YYYY
G1811378	3m semi-anechoic chamber	SAC3	Frankonia	03.12.2028
G1811425	Bilog antenna	CBL 6112D	Teseq	20.04.2026
G1825371	Preamplifier	EMC051845SE	Taiwan EMCI	24.07.2025
G1825372	Preamplifier	EMC184045SE	Taiwan EMCI	24.07.2025
9059157	Double ridged broadband horn antenna	BBHA 9120 D	Schwarzbeck	16.03.2025
G1831065	Broadband horn antenna	BBHA 9170	Schwarzbeck	18.06.2028
G1822702	Spectrum analyser	FSV40	Rohde&Schwarz	15.07.2025
9053474	Signal generator	SMB100B (6 GHz)	Rohde & Schwarz	15.12.2024
9053476	Vector Signal generator	SMW200A	Rohde & Schwarz	15.12.2024
9053477	OSP	OSP-B157W8	Rohde & Schwarz	15.12.2024
9047770	Wireless connectivity tester	CMW270	Rohde & Schwarz	23.08.2025
G1811401	Power sensor	E9300H	Agilent	16.07.2025
G1811400	Single-channel power meter	E4418B	Agilent	16.07.2025
G1811391	EMI test receiver	ESCI	Rohde & Schwarz	27.10.2025
9061503	Shielded enclosure	10.055x3.605x3.000	Frankonia	08.11.2028
9023229	EMI test receiver	ESR3	Rohde&Schwarz	03.08.2025
G1830003	Artificial mains network	ENV432	Rohde&Schwarz	11.10.2025
G1824248	Dual display multimeter	F45	Fluke	28.06.2025
software				
	EMC measurement software	EMC32 (Ver 10.20.01)	Rohde & Schwarz	NA
	EMC measurement software	EMC32 (Ver 11.40.00)	Rohde & Schwarz	NA
	EMI measurement software	EMC32-E+(10.60.20)	Rohde & Schwarz	NA
	EMI measurement software	EMC32-MEB (10.60.20)	Rohde & Schwarz	NA

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Measurement Type	Frequency	Uncertainty
Antenna Port Conducted Emission	< 1GHz	±0.39dB
	> 1GHz	±0.68dB
Conducted Emission	150kHz - 30MHz	±3.39dB
Radiated Emission	9kHz - 30MHz	±2.93dB
	30MHz - 1GHz	±5.34dB
	> 1GHz	±5.40dB

3. General Product Information

3.1 Product Function and Intended Use

The EUT (Equipment Under Test) is a Wireless Keyboard which contains Bluetooth LE function.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Description of EUT	
Product Name:	Wireless Keyboard
Model No.:	THZ988, THZ989, THZ993
Operation Voltage:	DC 3.8V
Technical Specification of Bluetooth LE	
Frequency Range:	2402 – 2480MHz
Modulation Type:	GFSK
Data Rate:	1Mb/s
Antenna Type:	PCB Antenna
Antenna Gain:	1.80 dBi

Note:

The difference between THZ988 and THZ989 is in the size, THZ988 is 11 inches, THZ989 is 13 inches, other structures are the same. The difference between THZ989 and THZ993 is in the size, THZ993's TPU case is 0.99mm thicker than THZ989, other structures are the same.

So, the model THZ988 is chosen for conducted RF tests, model THZ988 and THZ989 are chosen for radiated RF tests and conducted emission.

Table 4: Operation Channel List

RF Channel	Frequency [MHz]	RF Channel	Frequency [MHz]	RF Channel	Frequency [MHz]	RF Channel	Frequency [MHz]
00	2402	10	2422	20	2442	30	2462
01	2404	11	2424	21	2444	31	2464
02	2406	12	2426	22	2446	32	2466
03	2408	13	2428	23	2448	33	2468
04	2410	14	2430	24	2450	34	2470
05	2412	15	2432	25	2452	35	2472
06	2414	16	2434	26	2454	36	2474
07	2416	17	2436	27	2456	37	2476
08	2418	18	2438	28	2458	38	2478
09	2420	19	2440	29	2460	39	2480

Test frequencies are lowest channel: 2402 MHz, middle channel: 2440 MHz and highest channel: 2480 MHz.

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Bluetooth transmitting mode

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10: 2013.

Test Software used: nRF_DTM

Table 5: Power parameter value

Channel Frequency [MHz]	Power Parameter Value
2402	0
2440	0
2480	0

4.3 Special Accessories and Auxiliary Equipment

Table 6: Auxiliary Equipment

Equipment	Brand	Model Number	Serial number
Laptop	Lenovo	EMC-COMP-026	PF-49VKS3
Charger	UGREEN	CD137	/

4.4 Countermeasures to achieve EMC Compliance

Null.

5. Test Results

5.1 Conducted Testing at Antenna Port

5.1.1 Antenna Requirement

RESULT:**Pass**

According to the manufacturer declared, the EUT has one PCB antenna, the directional gain of antenna is 1.8 dBi and the antenna is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Table 7: Antenna Requirement

FCC 15.203 – Antenna Requirement 1	
Requirement:	No antenna other than that furnished by the responsible party shall be used with the device
Results:	Antenna type: PCB antenna
Verdict:	Pass

FCC 15.204 – Antenna Requirement 2	
Requirement:	An intentional radiator may be operated only with the antenna with which it is authorized. If an antenna is marketed with the intentional radiator, it shall be of a type which is authorized with the intentional radiator.
Results:	Only one PCB antenna can be used
Verdict:	Pass

Prüfbericht - Nr.: CN24NH2P 001*Test Report No.***Seite 12 von 50***Page 12 of 50***5.1.2 6dB & 99% Bandwidth****RESULT:****Pass**

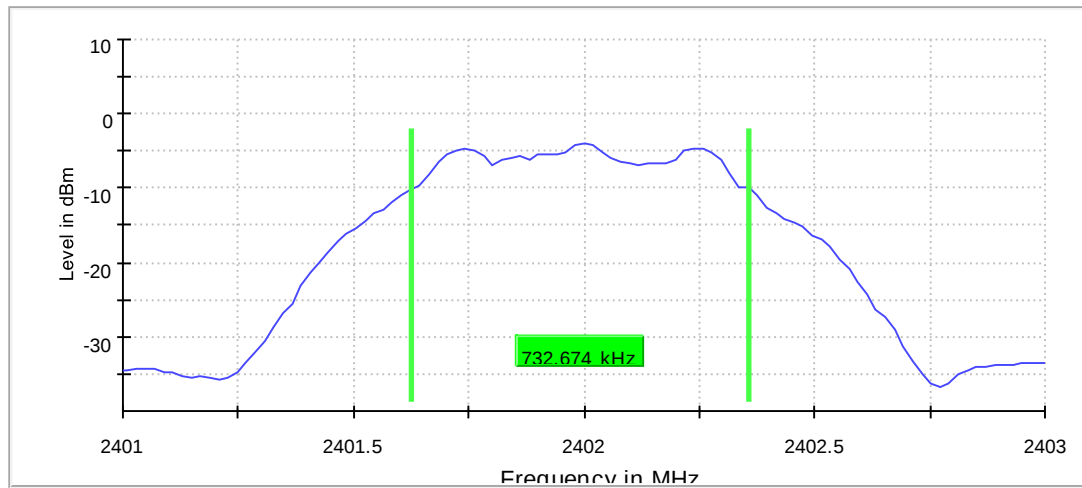
Date of testing	:	2024-11-19
Ambient temperature	:	20.2°C
Relative humidity	:	47.5%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.247(a)(2)
Test procedure	:	ANSI C63.10: 2013
Test voltage	:	DC 3.8V
Test modes applied	:	A

6dB Bandwidth, 1Mbps, 2402MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.732674	0.500000	---	2401.623762	2402.356436

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	-3.9	PASS

6 dB Bandwidth


Measurement

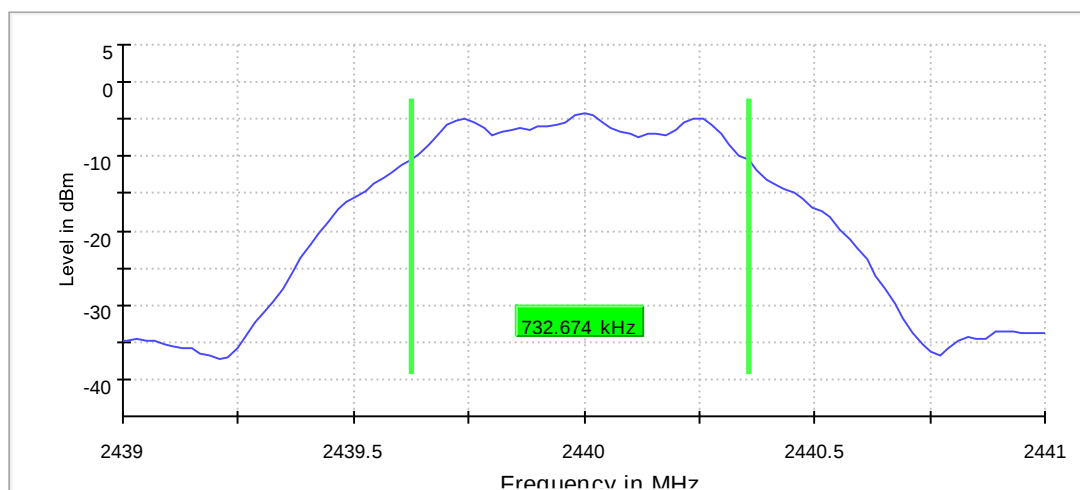
Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 40
SweepTime	18.938 μ s	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	13 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.01 dB	0.50 dB

6dB Bandwidth, 1Mbps, 2440MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2440.000000	0.732674	0.500000	---	2439.623762	2440.356436

DUT Frequency (MHz)	Max Level (dBm)	Result
2440.000000	-4.3	PASS

6 dB Bandwidth


Measurement

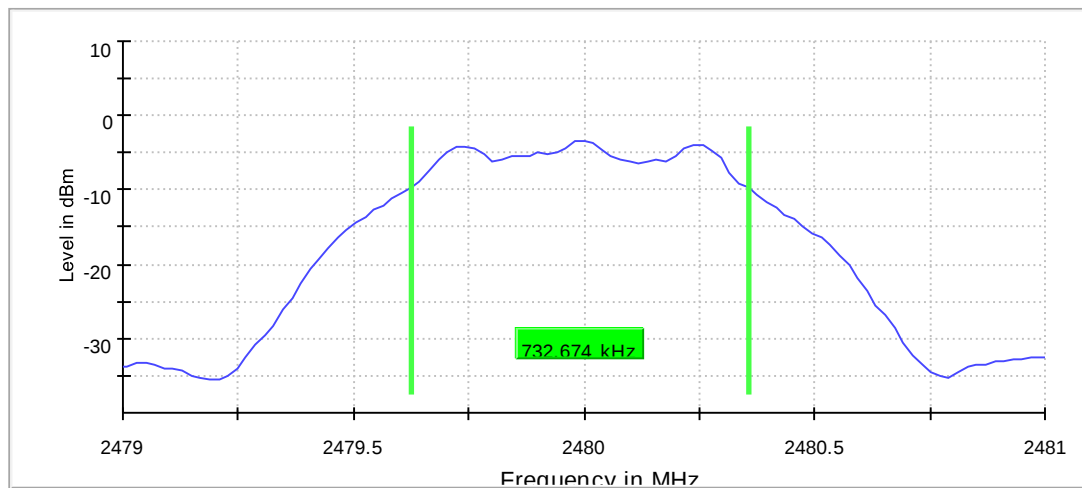
Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44100 GHz	2.44100 GHz
Span	2.000 MHz	2.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 40
Sweptime	18.938 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	9 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.10 dB	0.50 dB

6dB Bandwidth, 1Mbps, 2480MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.732674	0.500000	---	2479.623762	2480.356436

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-3.4	PASS

6 dB Bandwidth


Measurement

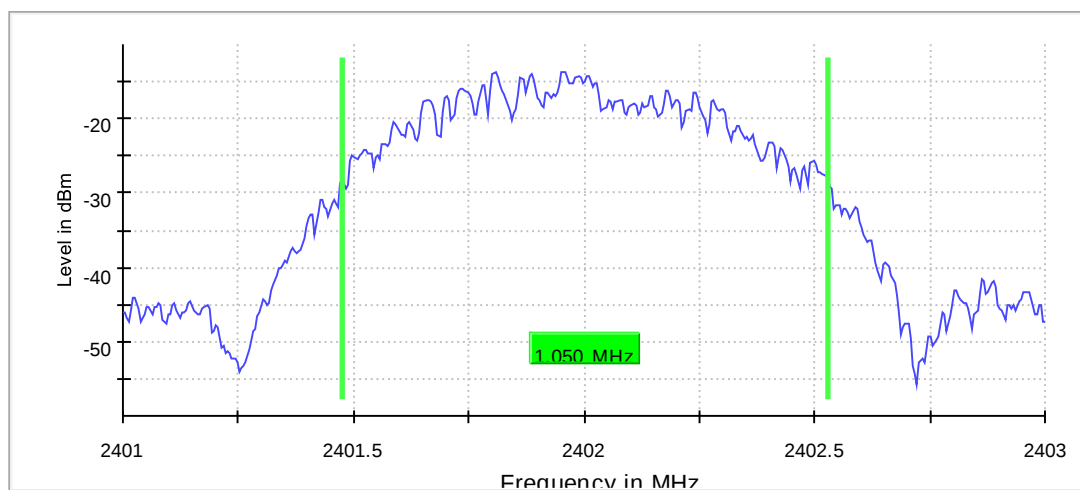
Setting	Instrument Value	Target Value
Start Frequency	2.47900 GHz	2.47900 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	2.000 MHz	2.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	101	~ 40
Sweeptime	18.938 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	10 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.02 dB	0.50 dB

99% Occupied Channel Bandwidth, 1Mbps, 2402MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.050000	---	---	2401.477500	2402.527500

DUT Frequency (MHz)	Result
2402.000000	PASS

99 % Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	10 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.16 dB	0.30 dB

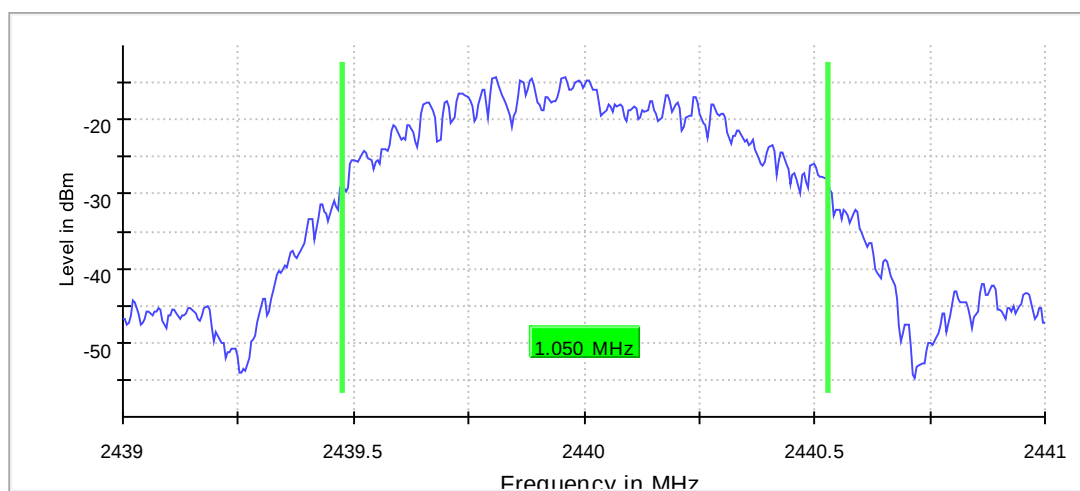
99% Occupied Channel Bandwidth, 1Mbps, 2440MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2440.000000	1.050000	---	---	2439.477500	2440.527500

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2440.000000	PASS

99 % Bandwidth


Measurement

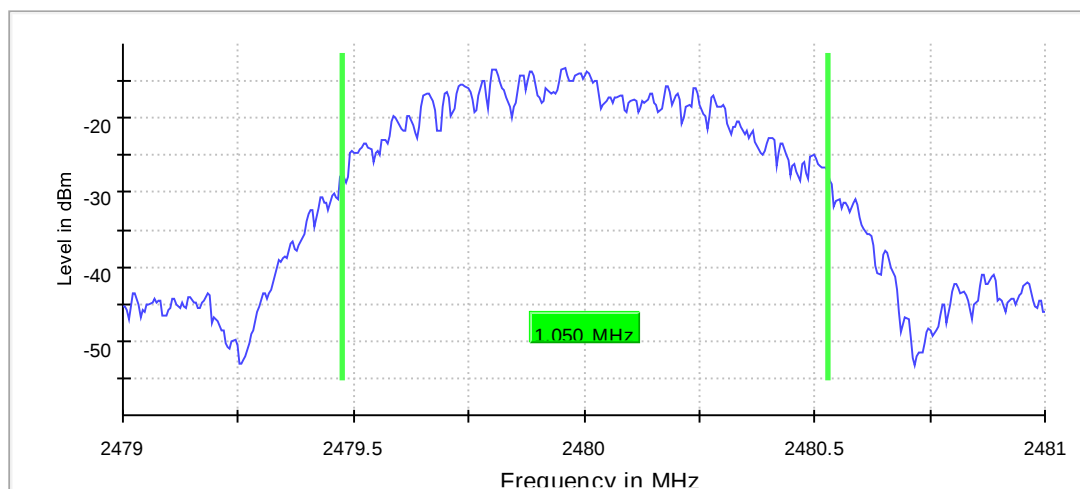
Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44100 GHz	2.44100 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
Sweeptime	189.648 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	8 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.09 dB	0.30 dB

99% Occupied Channel Bandwidth, 1Mbps, 2480MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.050000	---	---	2479.477500	2480.527500

DUT Frequency (MHz)	Result
2480.000000	PASS

99 % Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47900 GHz	2.47900 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	10 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.11 dB	0.30 dB

5.1.3 Output Power

RESULT:
Pass

Date of testing : 2024-11-19
 Ambient temperature : 20.2°C
 Relative humidity : 47.5%
 Atmospheric pressure : 101kPa
 Test requirement : FCC Part 15.247(b)(3)
 Test procedure : ANSI C63.10: 2013
 Test voltage : DC 3.8V
 Test modes applied : A

Table 8: Peak Output Power

Data Rate	Frequency [MHz]	Peak Conducted Output Power [dBm]	Limit [dBm]	Maximum EIRP [dBm]	EIRP Limit [dBm]
1Mbps	2402	-3.6	30	-1.8	36
	2440	-4.1	30	-2.3	36
	2480	-3.2	30	-1.4	36

Note:

1. The cable loss is taken into account in results.
2. EIRP=Conducted Output Power + Antenna Gain (1.8dBi), which is far below the 4 W (36dBm).

5.1.4 Power Spectral Density

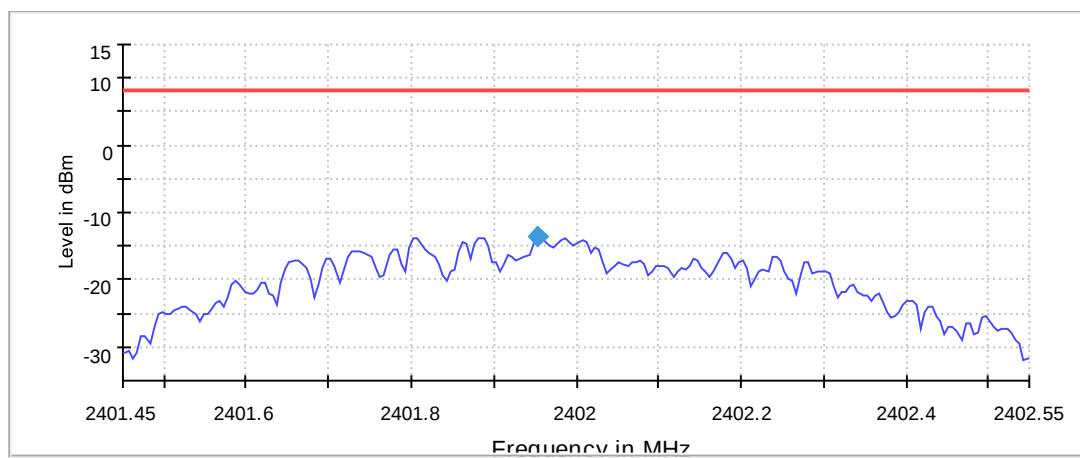
RESULT:**Pass**

Date of testing : 2024-11-19
Ambient temperature : 20.2°C
Relative humidity : 47.5%
Atmospheric pressure : 101kPa
Test requirement : FCC Part 15.247(e)
Test procedure : ANSI C63.10: 2013
Test voltage : DC 3.8V
Test modes applied : A

Power Spectral Density, 1Mbps, 2402MHz

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2402.000000	2401.952543	-13.536	8.0	PASS

Peak Power Spectral Density

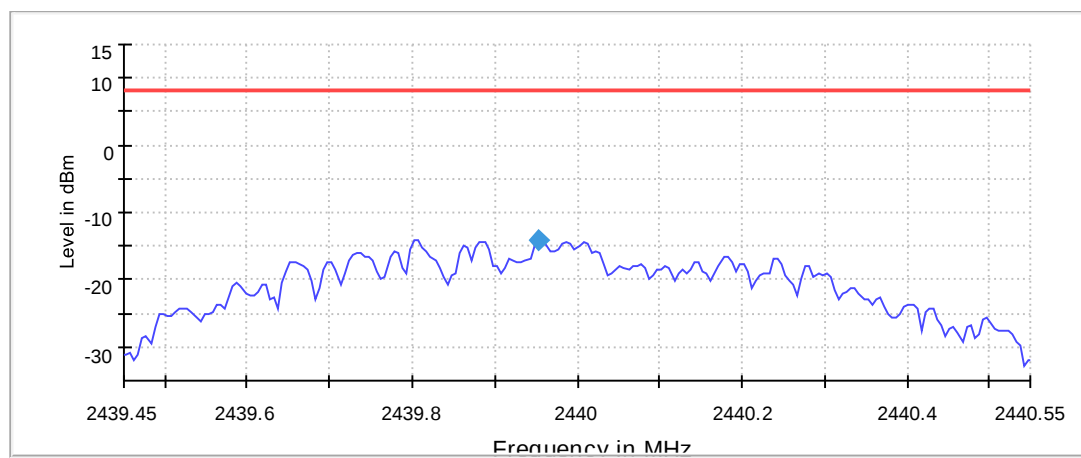

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40145 GHz	2.40145 GHz
Stop Frequency	2.40255 GHz	2.40255 GHz
Span	1.099 MHz	1.099 MHz
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	220	~ 220
SweepTime	1.100 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	2 / 2	2
Max Stable Difference	0.14 dB	0.50 dB

Prüfbericht - Nr.: CN24NH2P 001
Test Report No.
Seite 22 von 50
Page 22 of 50
Power Spectral Density, 1Mbps, 2440MHz

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2440.000000	2439.952543	-14.023	8.0	PASS

Peak Power Spectral Density



— Limit
 — Sum Level
 ◆ PSD

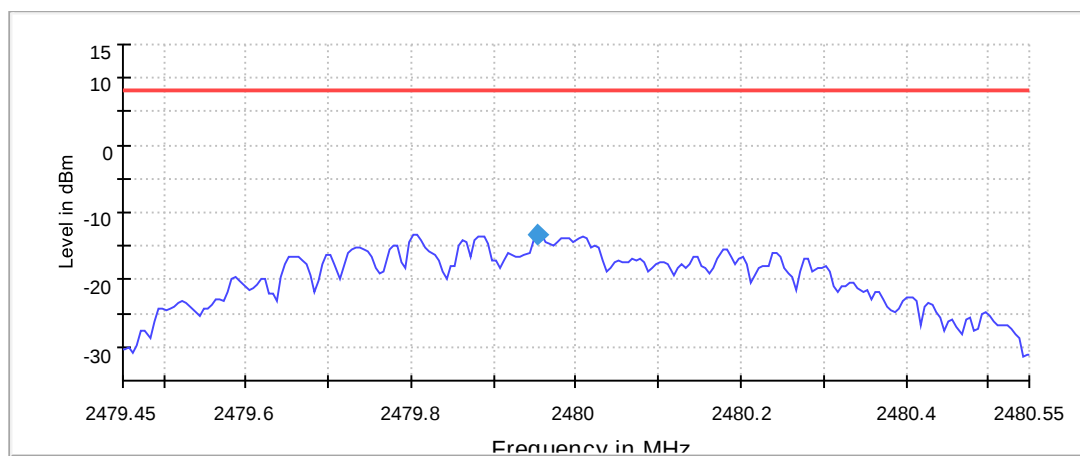
Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43945 GHz	2.43945 GHz
Stop Frequency	2.44055 GHz	2.44055 GHz
Span	1.099 MHz	1.099 MHz
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	220	~ 220
SweepTime	1.100 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	2 / 2	2
Max Stable Difference	2.43945 GHz	2.43945 GHz

Prüfbericht - Nr.: CN24NH2P 001
Test Report No.
Seite 23 von 50
Page 23 of 50
Power Spectral Density, 1Mbps, 2480MHz

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2480.000000	2479.952543	-13.165	8.0	PASS

Peak Power Spectral Density



— Limit — Sum Level ◆ PSD

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47945 GHz	2.47945 GHz
Stop Frequency	2.48055 GHz	2.48055 GHz
Span	1.099 MHz	1.099 MHz
RBW	10.000 kHz	<= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	220	~ 220
SweepTime	1.100 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	3 / max. 150	max. 150
Stable	2 / 2	2
Max Stable Difference	0.23 dB	0.50 dB

Prüfbericht - Nr.: CN24NH2P 001*Test Report No.***Seite 24 von 50***Page 24 of 50***5.1.5 Conducted Band Edge and out-of Band Emissions****RESULT:****Pass**

Date of testing : 2024-11-19
Ambient temperature : 20.2°C
Relative humidity : 47.5%
Atmospheric pressure : 101kPa
Test requirement : FCC Part 15.247(d)
Test procedure : ANSI C63.10: 2013
Test voltage : DC 3.8V
Test modes applied : A

Figure 1: Reference level

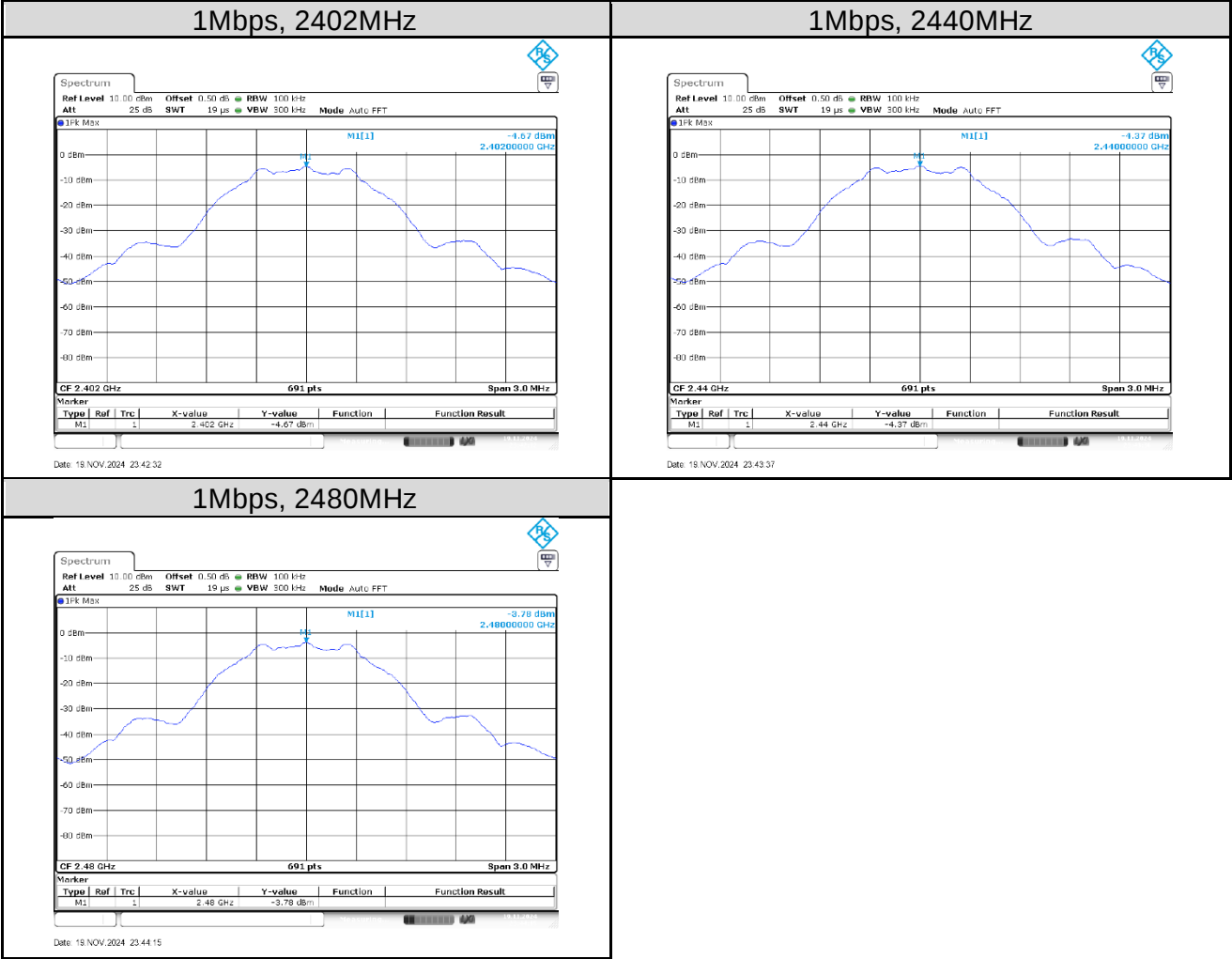
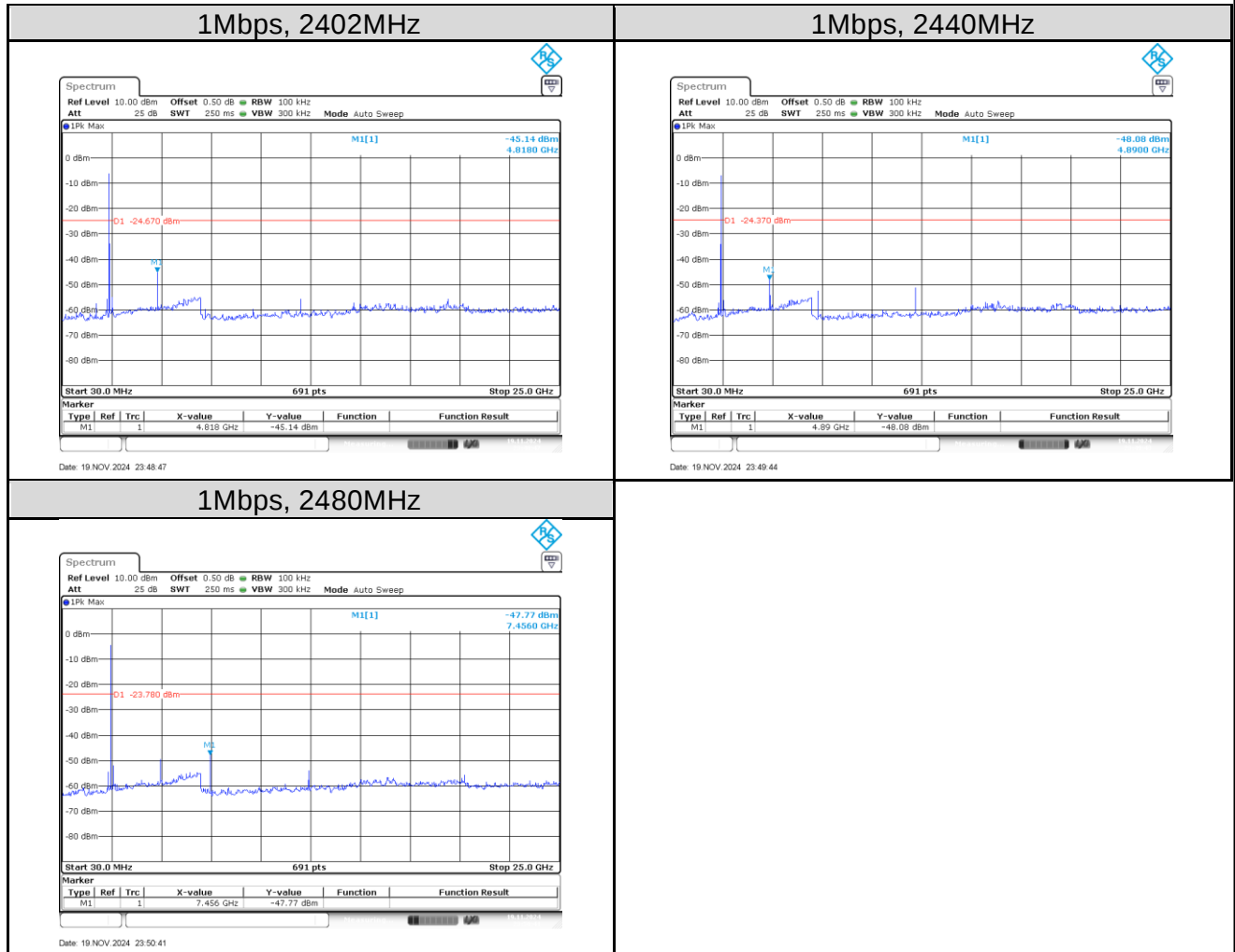
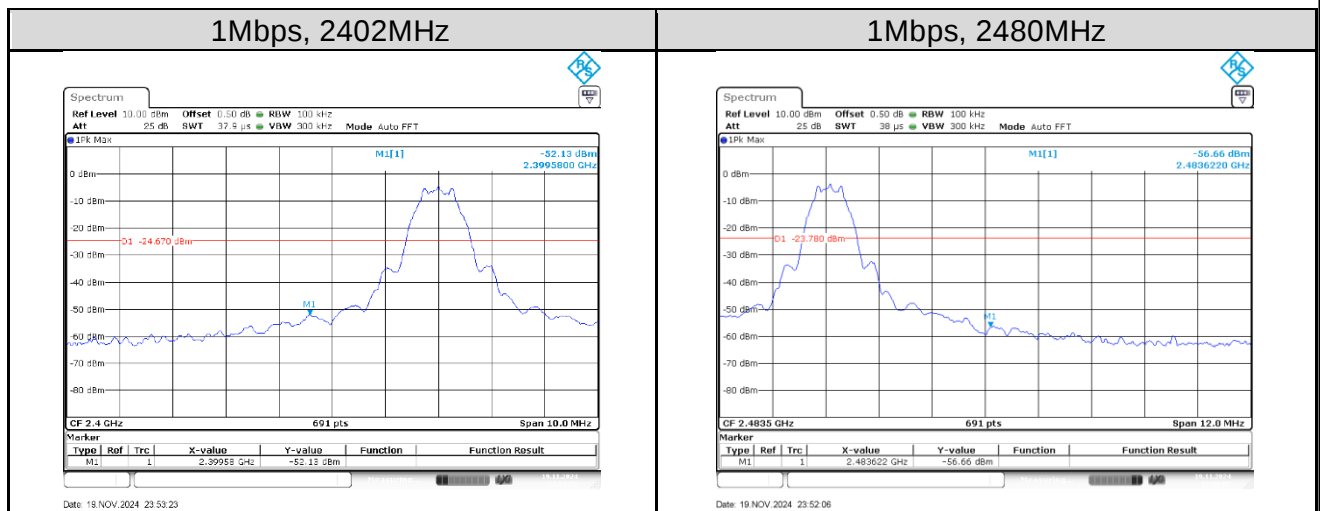


Figure 2: Conducted Spurious Emission

Figure 3: Conducted Band Edge


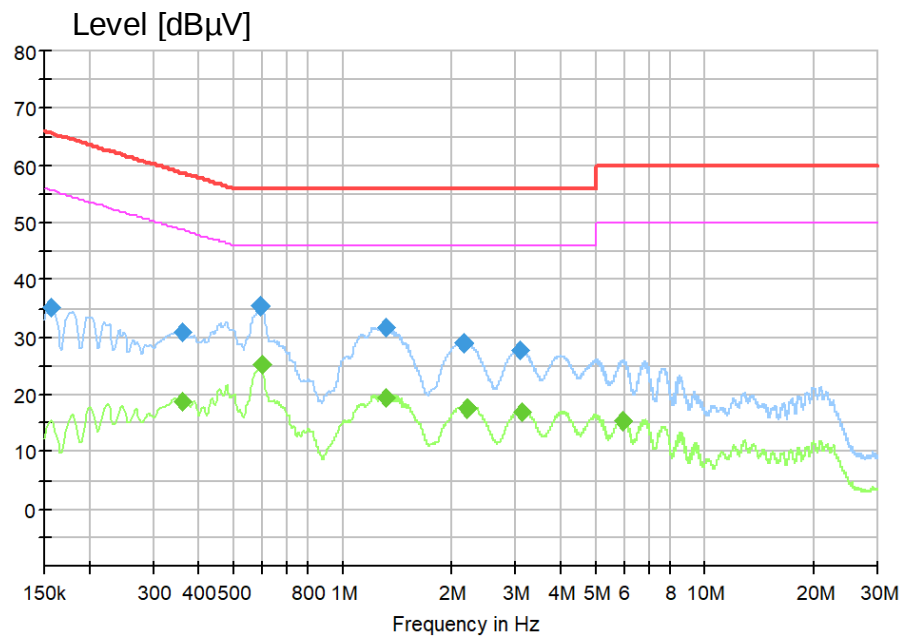
Prüfbericht - Nr.: CN24NH2P 001
*Test Report No.***Seite 27 von 50**
Page 27 of 50

5.2 Emission in the Frequency Range up to 30MHz

5.2.1 Conducted Emission

RESULT:**Pass**

Date of testing	:	2024-10-08
Ambient temperature	:	21.5 °C
Relative humidity	:	48 %
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.207 (a)
Test procedure	:	KDB 558074 D01v05r02
		ANSI C63.10: 2013
Test voltage	:	AC 120 V, 60 Hz (Powered by charger)
Test modes applied	:	A

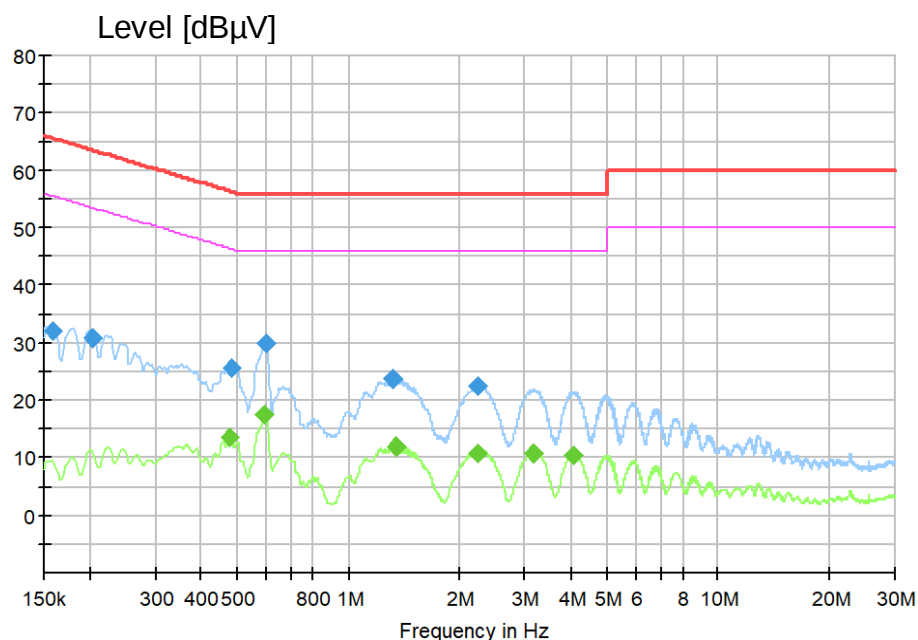
Figure 4: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, L powered by charger, THZ988


Final quasi-peak measurement result:

Frequency (MHz)	QuasiPeak (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.156750	35.13	65.63	30.50	1000.0	9.000	L1	10.3
0.361500	30.73	58.69	27.96	1000.0	9.000	L1	10.3
0.593250	35.32	56.00	20.68	1000.0	9.000	L1	10.3
1.315500	31.75	56.00	24.25	1000.0	9.000	L1	10.5
2.148000	28.92	56.00	27.08	1000.0	9.000	L1	10.1
3.093000	27.85	56.00	28.15	1000.0	9.000	L1	10.2

Final average measurement result:

Frequency (MHz)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.361500	18.70	48.69	29.99	1000.0	9.000	L1	10.3
0.595500	25.29	46.00	20.71	1000.0	9.000	L1	10.3
1.315500	19.52	46.00	26.48	1000.0	9.000	L1	10.5
2.213250	17.51	46.00	28.49	1000.0	9.000	L1	10.1
3.135750	16.94	46.00	29.06	1000.0	9.000	L1	10.2
5.923500	15.29	50.00	34.71	1000.0	9.000	L1	10.6

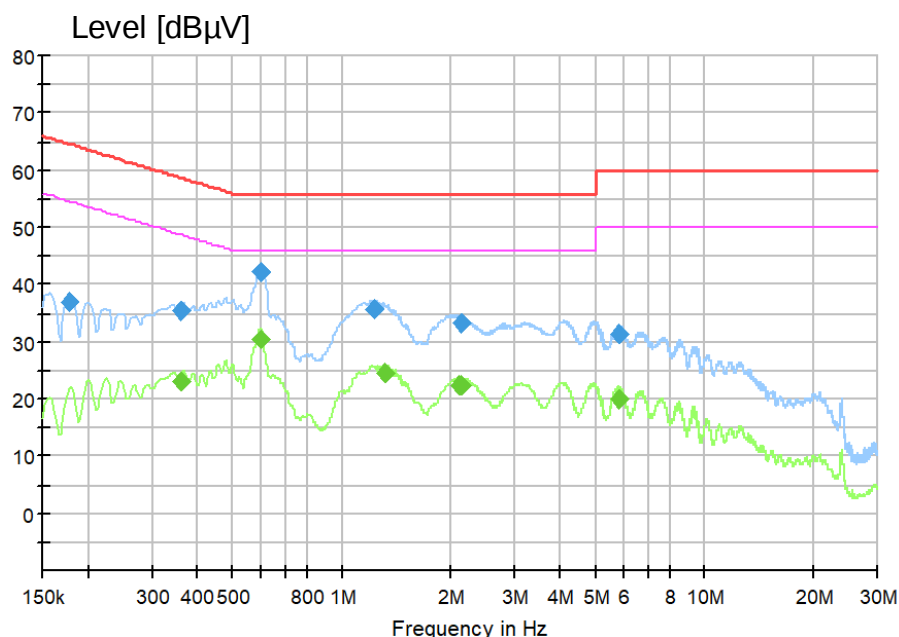
Figure 5: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, N powered by charger, THZ988


Final quasi-peak measurement result:

Frequency (MHz)	QuasiPeak (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.159000	32.14	65.52	33.37	1000.0	9.000	N	10.3
0.204000	30.75	63.45	32.69	1000.0	9.000	N	10.8
0.483000	25.61	56.29	30.67	1000.0	9.000	N	10.2
0.595500	29.97	56.00	26.03	1000.0	9.000	N	10.3
1.315500	23.62	56.00	32.38	1000.0	9.000	N	10.4
2.231250	22.34	56.00	33.66	1000.0	9.000	N	10.5

Final average measurement result:

Frequency (MHz)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.478500	13.56	46.37	32.81	1000.0	9.000	N	10.2
0.593250	17.39	46.00	28.61	1000.0	9.000	N	10.3
1.338000	11.91	46.00	34.09	1000.0	9.000	N	10.4
2.233500	10.79	46.00	35.21	1000.0	9.000	N	10.5
3.174000	10.73	46.00	35.27	1000.0	9.000	N	10.6
4.044750	10.49	46.00	35.51	1000.0	9.000	N	10.7

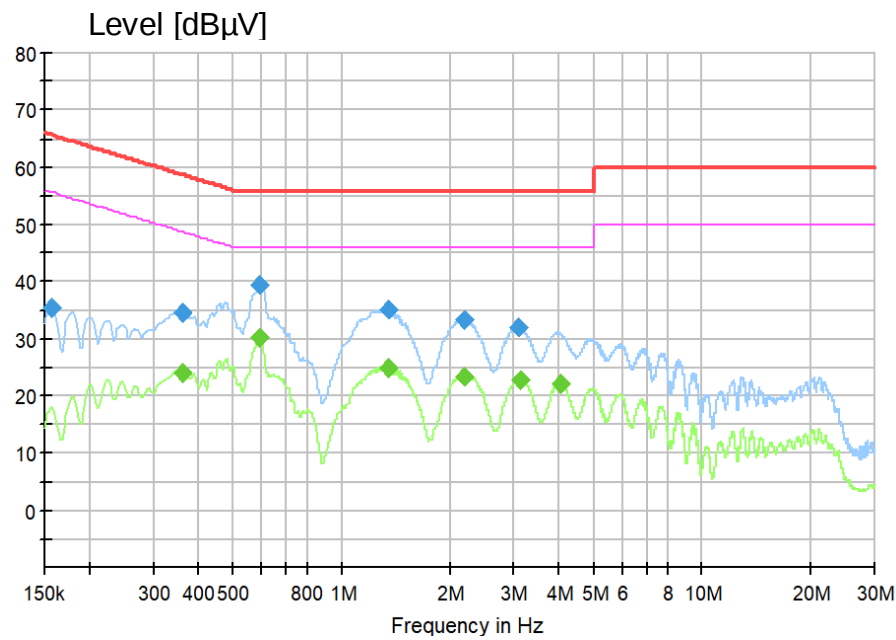
Figure 6: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, L, powered by charger, THZ989


Final quasi-peak measurement result:

Frequency (MHz)	QuasiPeak (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.177000	36.95	64.63	27.68	1000.0	9.000	L1	10.3
0.361500	35.51	58.69	23.18	1000.0	9.000	L1	10.3
0.597750	42.26	56.00	13.74	1000.0	9.000	L1	10.3
1.230000	35.92	56.00	20.08	1000.0	9.000	L1	10.5
2.123250	33.31	56.00	22.69	1000.0	9.000	L1	10.1
5.835750	31.36	60.00	28.64	1000.0	9.000	L1	10.6

Final average measurement result:

Frequency (MHz)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.361500	23.14	48.69	25.55	1000.0	9.000	L1	10.3
0.597750	30.45	46.00	15.55	1000.0	9.000	L1	10.3
1.315500	24.58	46.00	21.42	1000.0	9.000	L1	10.5
2.118750	22.37	46.00	23.63	1000.0	9.000	L1	10.1
2.141250	22.52	46.00	23.48	1000.0	9.000	L1	10.1
5.788500	20.08	50.00	29.92	1000.0	9.000	L1	10.5

Figure 7: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, N, powered by charger, THZ989


Final quasi-peak measurement result:

Frequency (MHz)	QuasiPeak (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.156750	35.46	65.63	30.18	1000.0	9.000	N	10.3
0.361500	34.53	58.69	24.17	1000.0	9.000	N	10.4
0.593250	39.41	56.00	16.59	1000.0	9.000	N	10.3
1.338000	35.16	56.00	20.84	1000.0	9.000	N	10.4
2.184000	33.26	56.00	22.74	1000.0	9.000	N	10.5
3.077250	32.12	56.00	23.88	1000.0	9.000	N	10.6

Final average measurement result:

Frequency (MHz)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.361500	23.94	48.69	24.76	1000.0	9.000	N	10.4
0.593250	30.24	46.00	15.76	1000.0	9.000	N	10.3
1.338000	25.07	46.00	20.93	1000.0	9.000	N	10.4
2.184000	23.34	46.00	22.66	1000.0	9.000	N	10.5
3.111000	22.73	46.00	23.27	1000.0	9.000	N	10.6
4.047000	22.07	46.00	23.93	1000.0	9.000	N	10.7

5.3 Emission in the Frequency Range above 30MHz

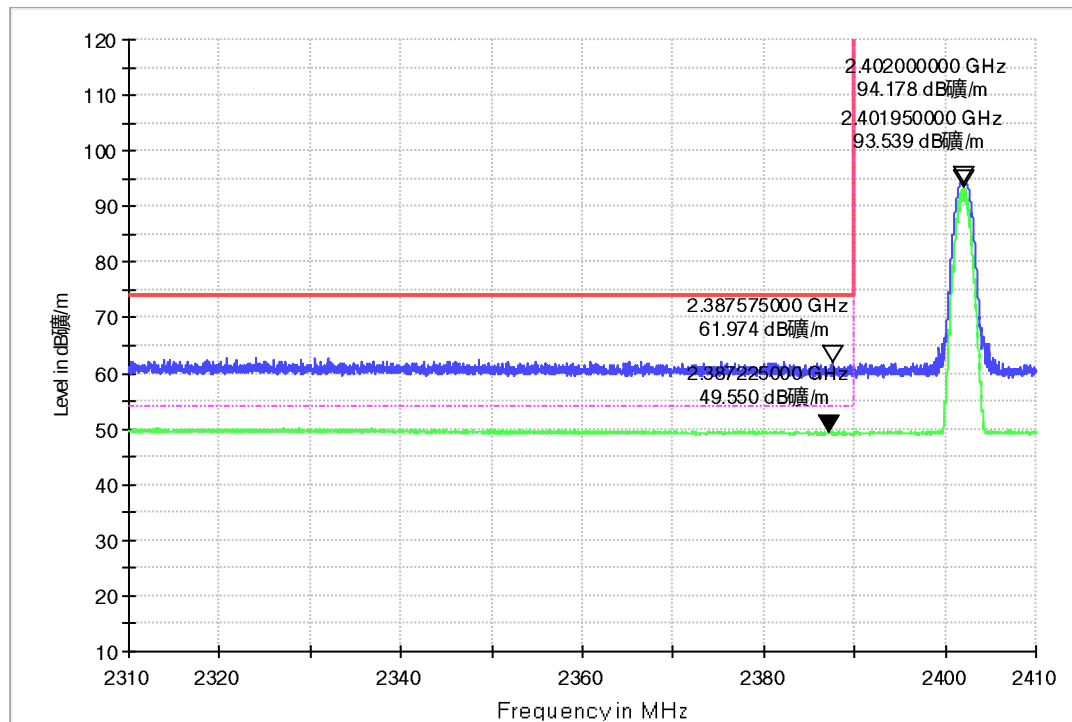
5.3.1 Radiated Band-Edge

RESULT:**Pass**

Date of testing	:	2024-11-22
Ambient temperature	:	20.4°C
Relative humidity	:	48.5%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.247(d) FCC Part 15.205(a) FCC Part 15.209(a)
Test procedure	:	ANSI C63.10: 2013
Test voltage	:	DC 3.8V
Test modes applied	:	A

Figure 8: Radiated Band-Edge, 1Mbps, 2402MHz, H, THZ988

Copy of 2310~2410 BE 1-18GHz HL050 FSV40 Pre


Figure 9: Radiated Band-Edge, 1Mbps, 2402MHz, V, THZ988

Copy of 2310~2410 BE 1-18GHz HL050 FSV40 Pre

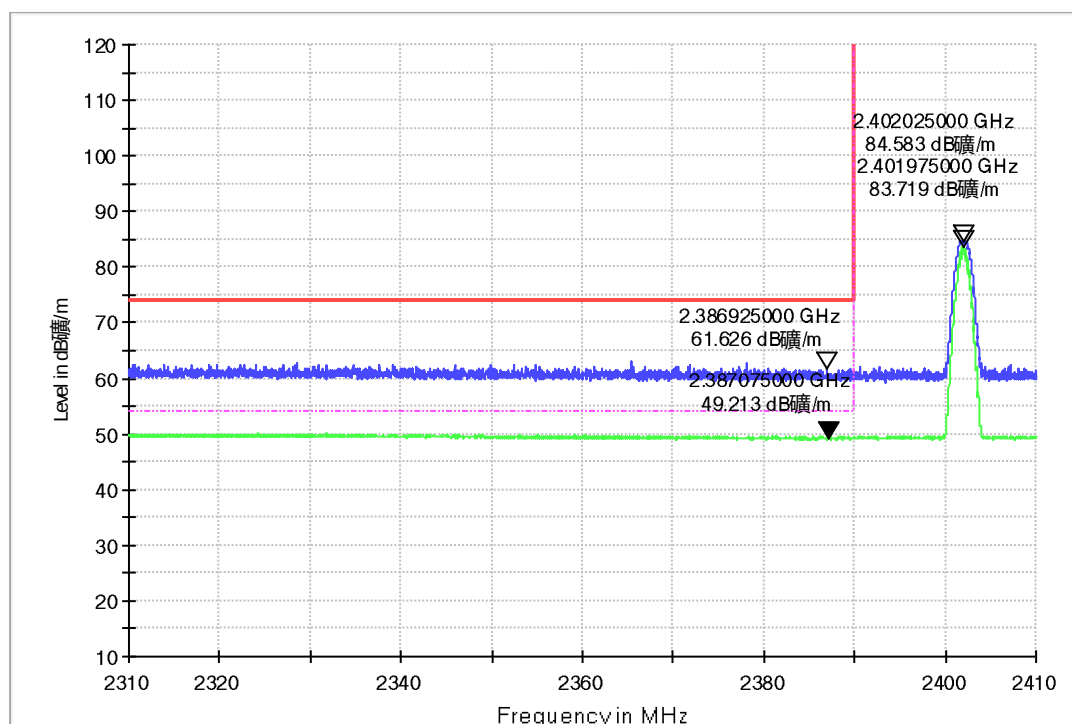
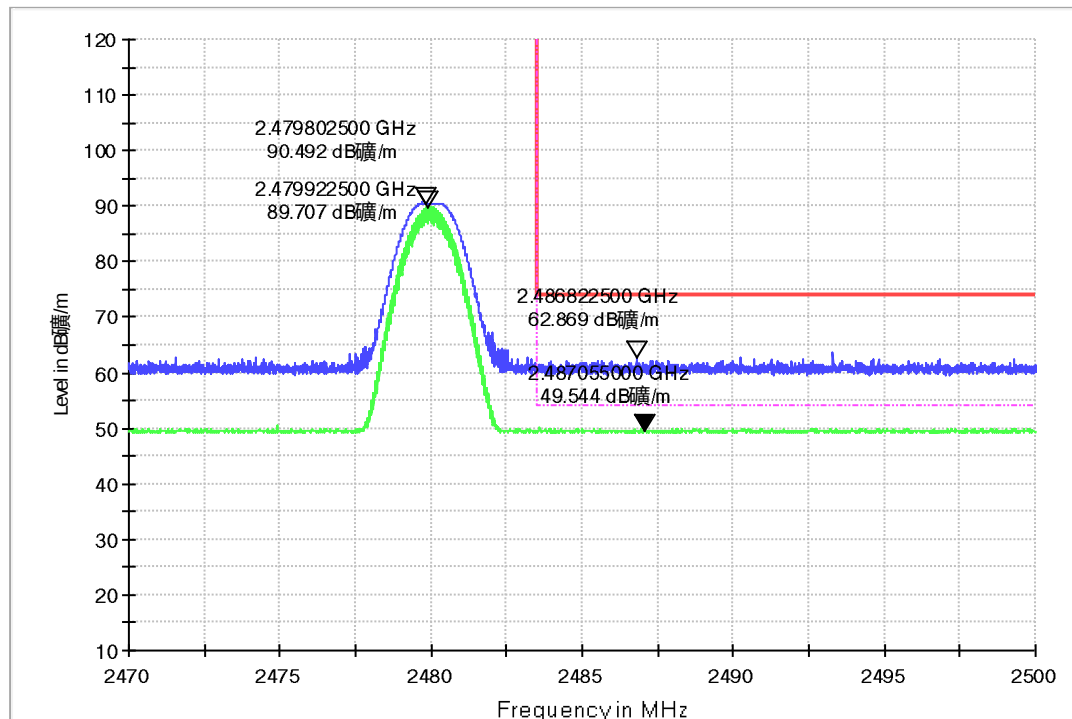


Figure 10: Radiated Band-Edge, 1Mbps, 2480MHz, H, THZ988

Copy of 2470~2500 BE 1-18GHz HL050 FSV40 Pre


Figure 11: Radiated Band-Edge, 1Mbps, 2480MHz, V, THZ988

Copy of 2470~2500 BE 1-18GHz HL050 FSV40 Pre

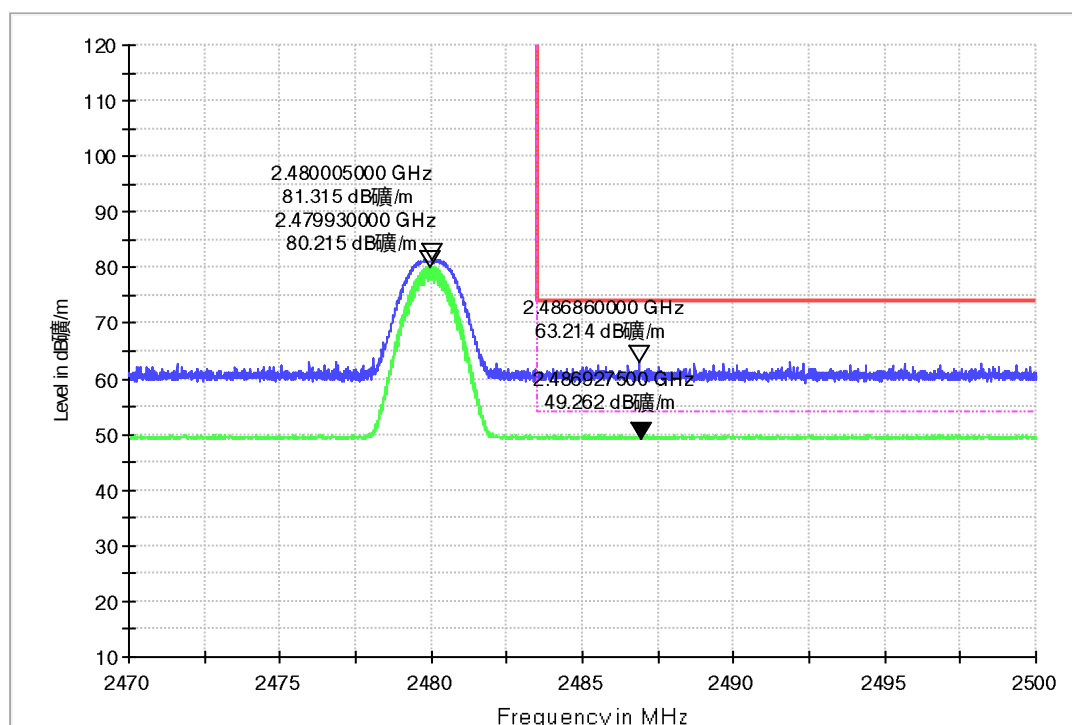
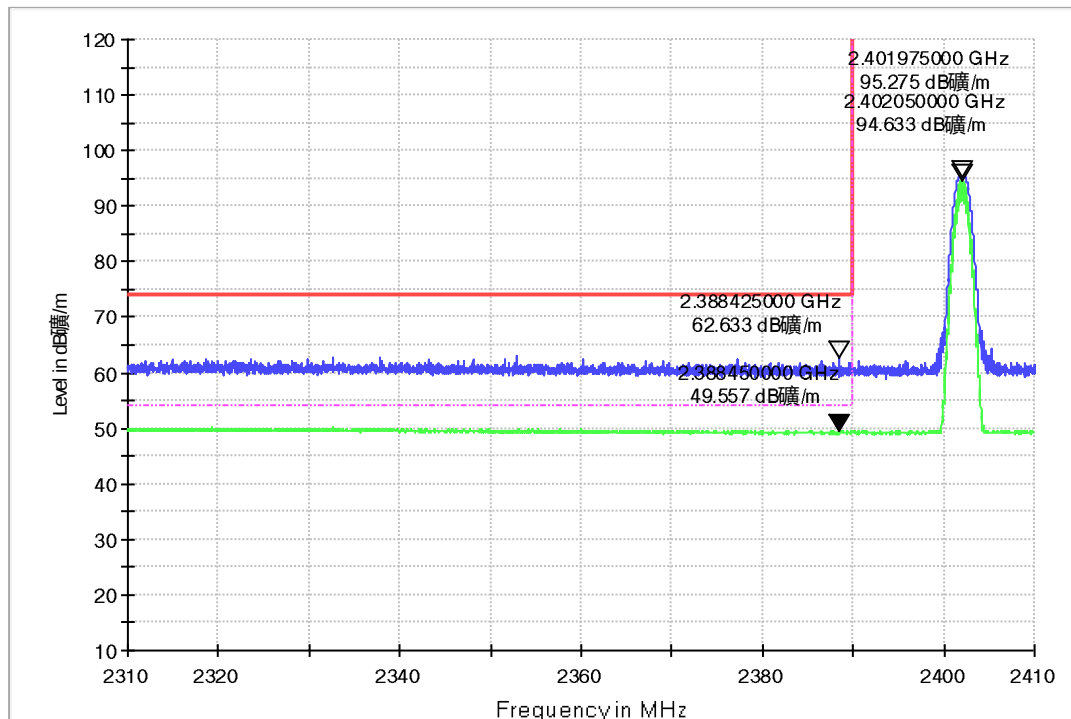


Figure 12: Radiated Band-Edge, 1Mbps, 2402MHz, H, THZ989

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Figure 13: Radiated Band-Edge, 1Mbps, 2402MHz, V, THZ989

Copy of 2310~2410 BE 1-18GHz HL050 FSV40 Pre

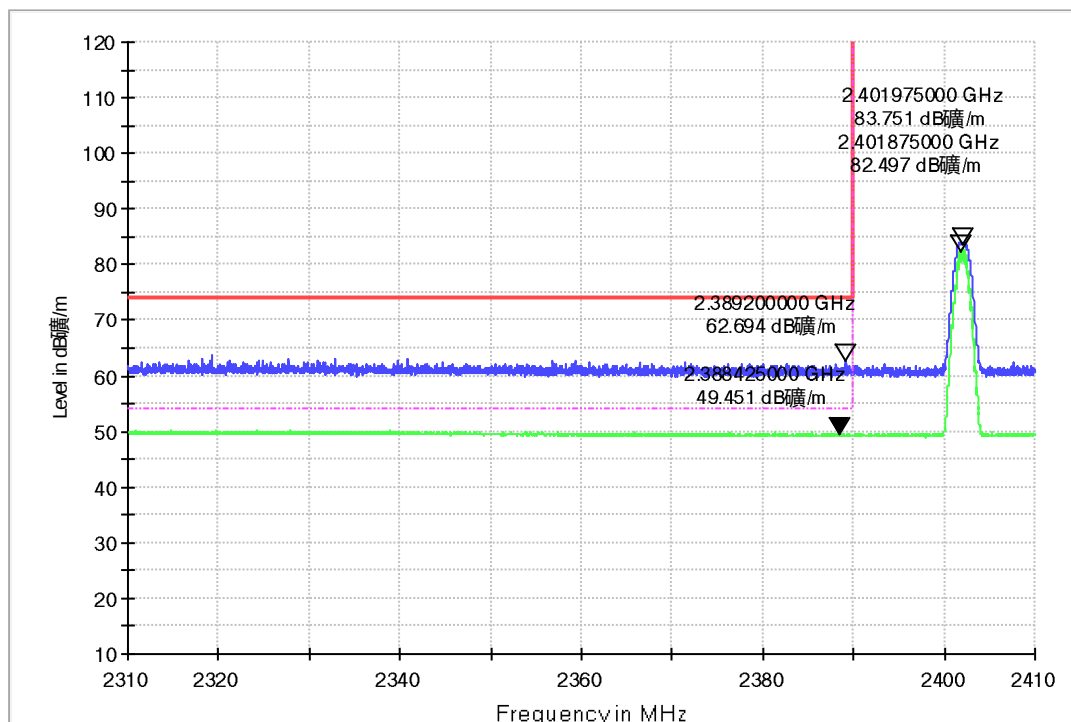


Figure 14: Radiated Band-Edge, 1Mbps, 2480MHz, H, THZ989

Copy of 2470~2500 BE 1-18GHz HL050 FSV40 Pre

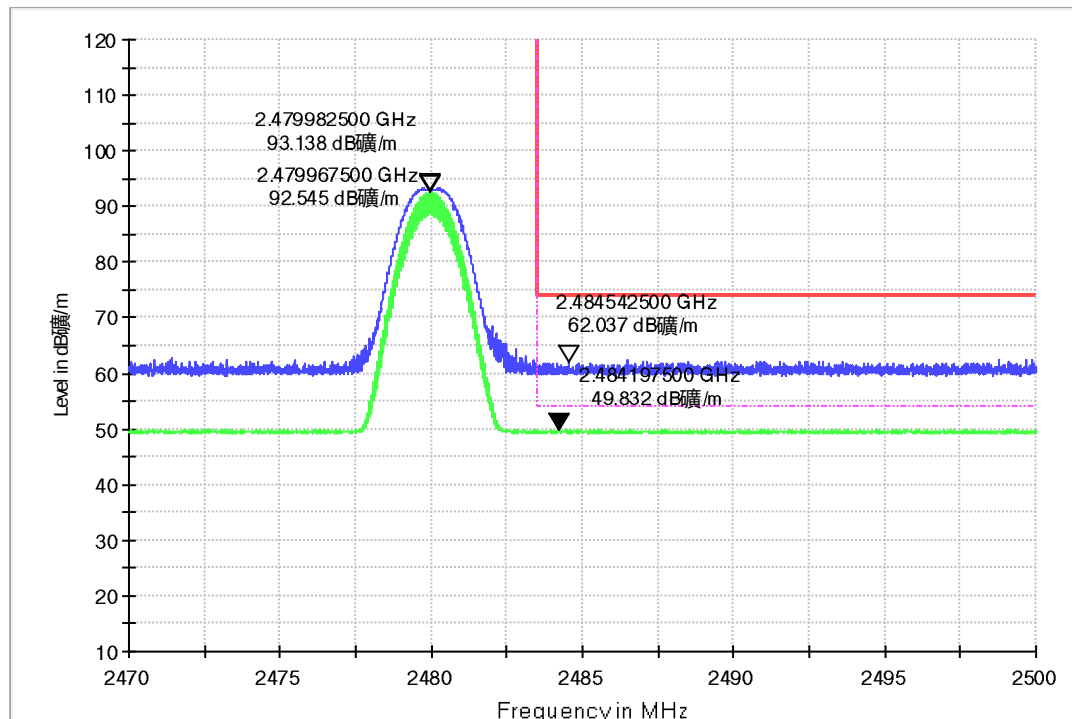
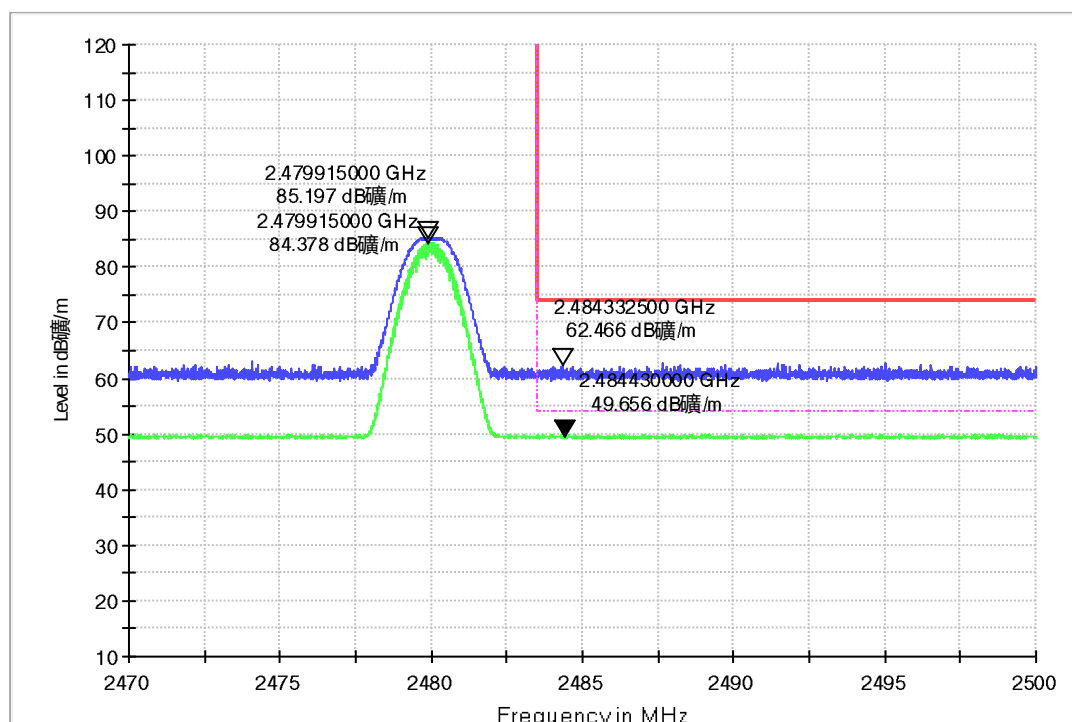


Figure 15: Radiated Band-Edge, 1Mbps, 2480MHz, V, THZ989

Copy of 2470~2500 BE 1-18GHz HL050 FSV40 Pre



Prüfbericht - Nr.: CN24NH2P 001
*Test Report No.***Seite 37 von 50**
Page 37 of 50

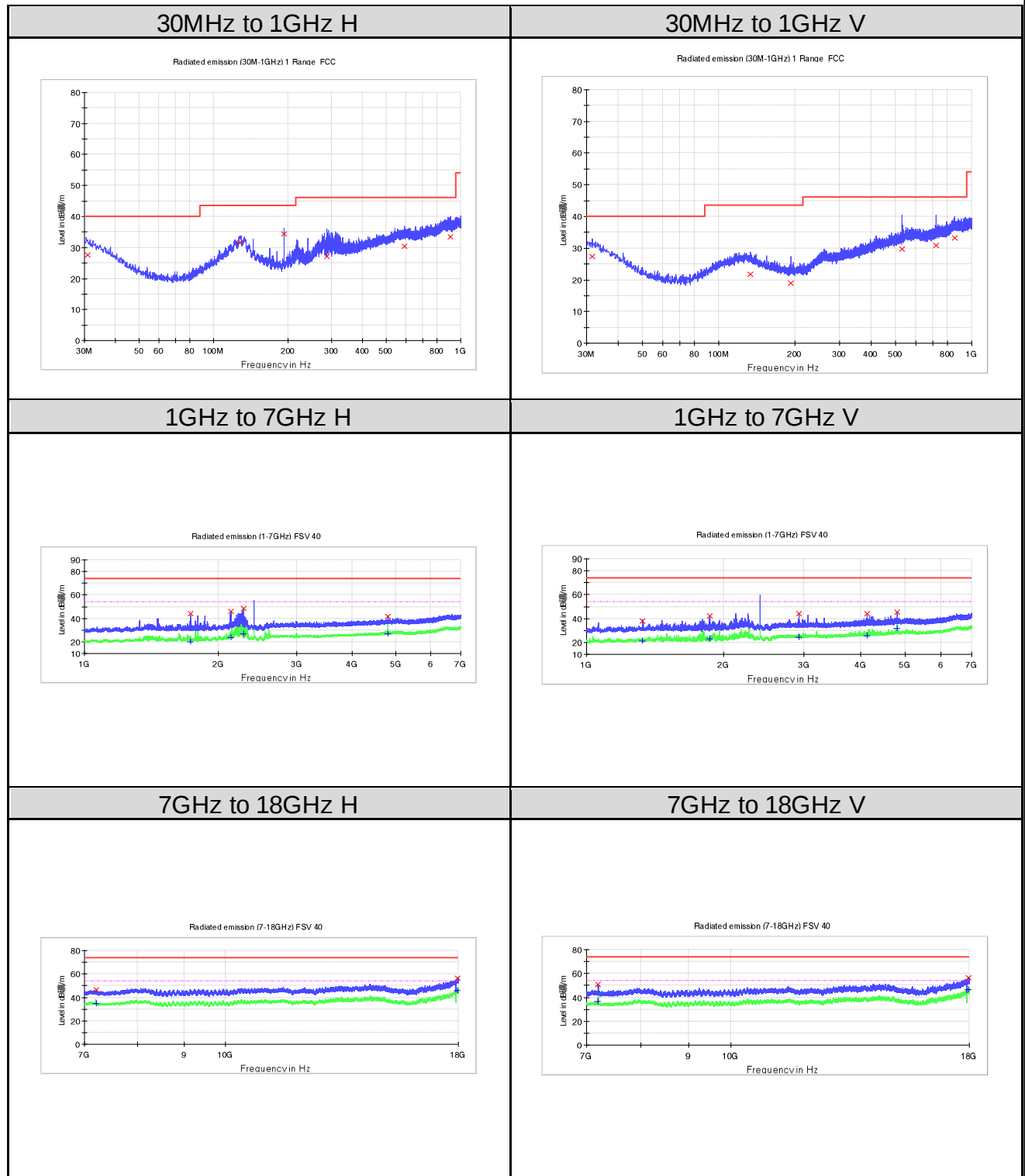
5.3.2 Radiated Spurious Emission

RESULT:**Pass**

Date of testing : 2024-11-22
Ambient temperature : 22.6~24.0°C
Relative humidity : 55.4~57.1%
Atmospheric pressure : 101kPa
Test requirement : FCC Part 15.247(d)
FCC Part 15.209(a)
Test procedure : ANSI C63.10: 2013
Test voltage : DC 3.8V
Test modes applied : A

Note:

For the frequency range from 18GHz to 25GHz, no emission was found.

Figure 16: Radiated Spurious Emission, 1Mbps, 2402MHz, THZ988


Limit and Margin
QP

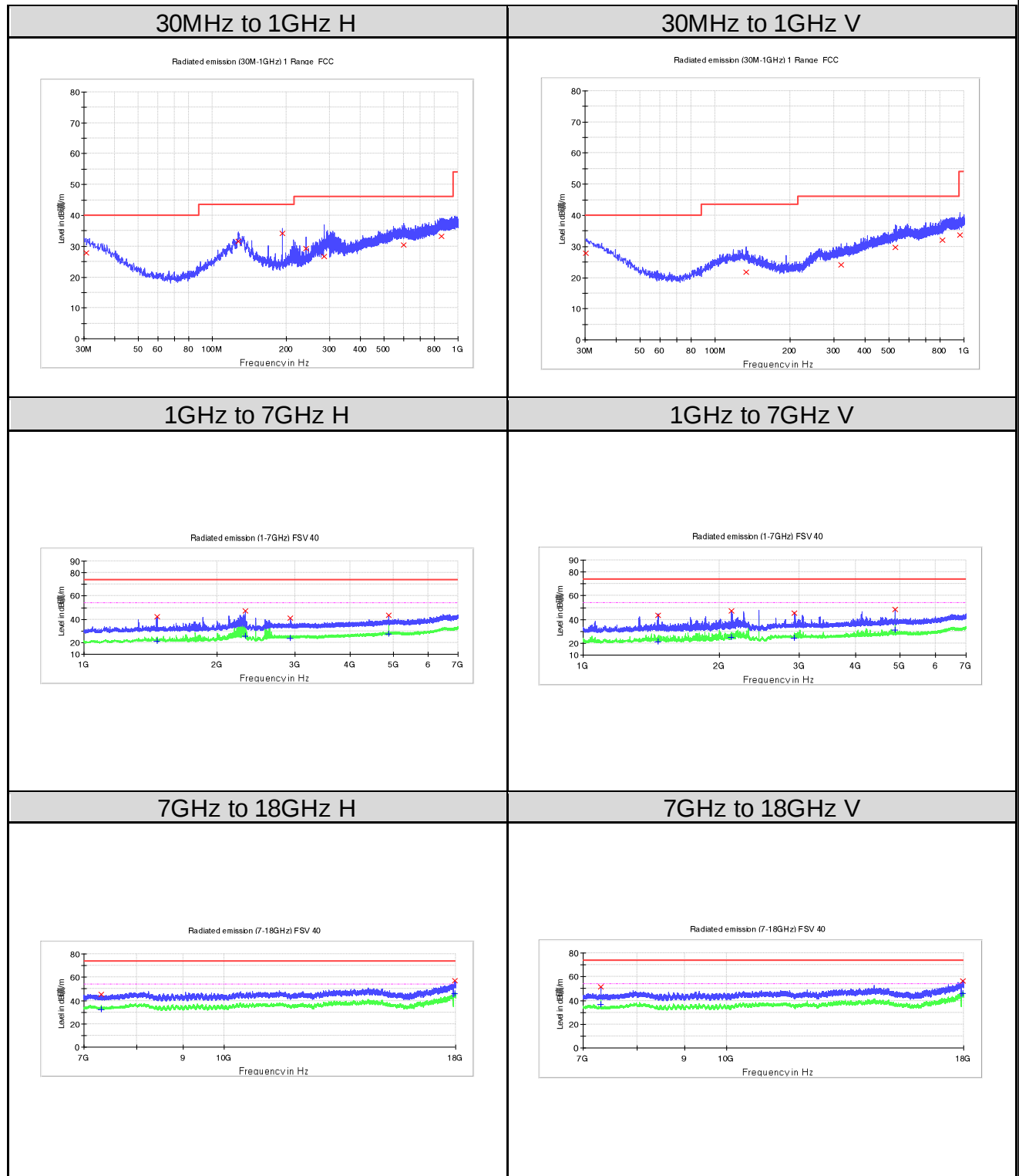
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.848750	27.7	H	24.4	12.3	40.0
127.970000	31.6	H	18.7	11.9	43.5
192.596250	34.5	H	15.9	9.0	43.5
287.898750	27.0	H	20.1	19.0	46.0
592.357500	30.5	H	26.8	15.5	46.0
907.365000	33.4	H	28.9	12.6	46.0
31.697500	27.3	V	24.0	12.7	40.0
133.547500	21.8	V	18.5	21.7	43.5
192.475000	18.9	V	15.9	24.6	43.5
531.005000	29.7	V	25.8	16.4	46.0
720.155000	30.8	V	27.2	15.2	46.0
854.621250	33.3	V	29.0	12.7	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1731.100000	43.8	H	-18.9	30.2	74.0
2130.700000	46.1	H	-16.5	27.9	74.0
2273.800000	48.3	H	-15.7	25.7	74.0
4803.700000	41.7	H	-11.4	32.3	74.0
7206.250000	46.4	H	-6.1	27.6	74.0
17971.125000	56.4	H	11.9	17.6	74.0
1328.500000	38.0	V	-18.9	36.0	74.0
1863.100000	42.4	V	-18.4	31.6	74.0
2920.900000	43.9	V	-15.1	30.1	74.0
4131.700000	43.9	V	-13.1	30.1	74.0
4803.700000	45.2	V	-11.4	28.8	74.0
7204.875000	50.9	V	-6.1	23.1	74.0
17965.625000	56.2	V	11.8	17.8	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1731.100000	20.2	H	-18.9	33.8	54.0
2130.700000	23.9	H	-16.5	30.2	54.0
2273.800000	26.6	H	-15.7	27.4	54.0
4803.700000	27.0	H	-11.4	27.0	54.0
7206.250000	35.0	H	-6.1	19.0	54.0
17971.125000	45.9	H	11.9	8.1	54.0
1328.500000	20.9	V	-18.9	33.1	54.0
1863.100000	22.8	V	-18.4	31.2	54.0
2920.900000	24.4	V	-15.1	29.6	54.0
4131.700000	25.4	V	-13.1	28.6	54.0
4803.700000	32.0	V	-11.4	22.0	54.0
7204.875000	36.4	V	-6.1	17.6	54.0
17965.625000	46.4	V	11.8	7.6	54.0

Figure 17: Radiated Spurious Emission, 1Mbps, 2440MHz, THZ988


Limit and Margin
QP

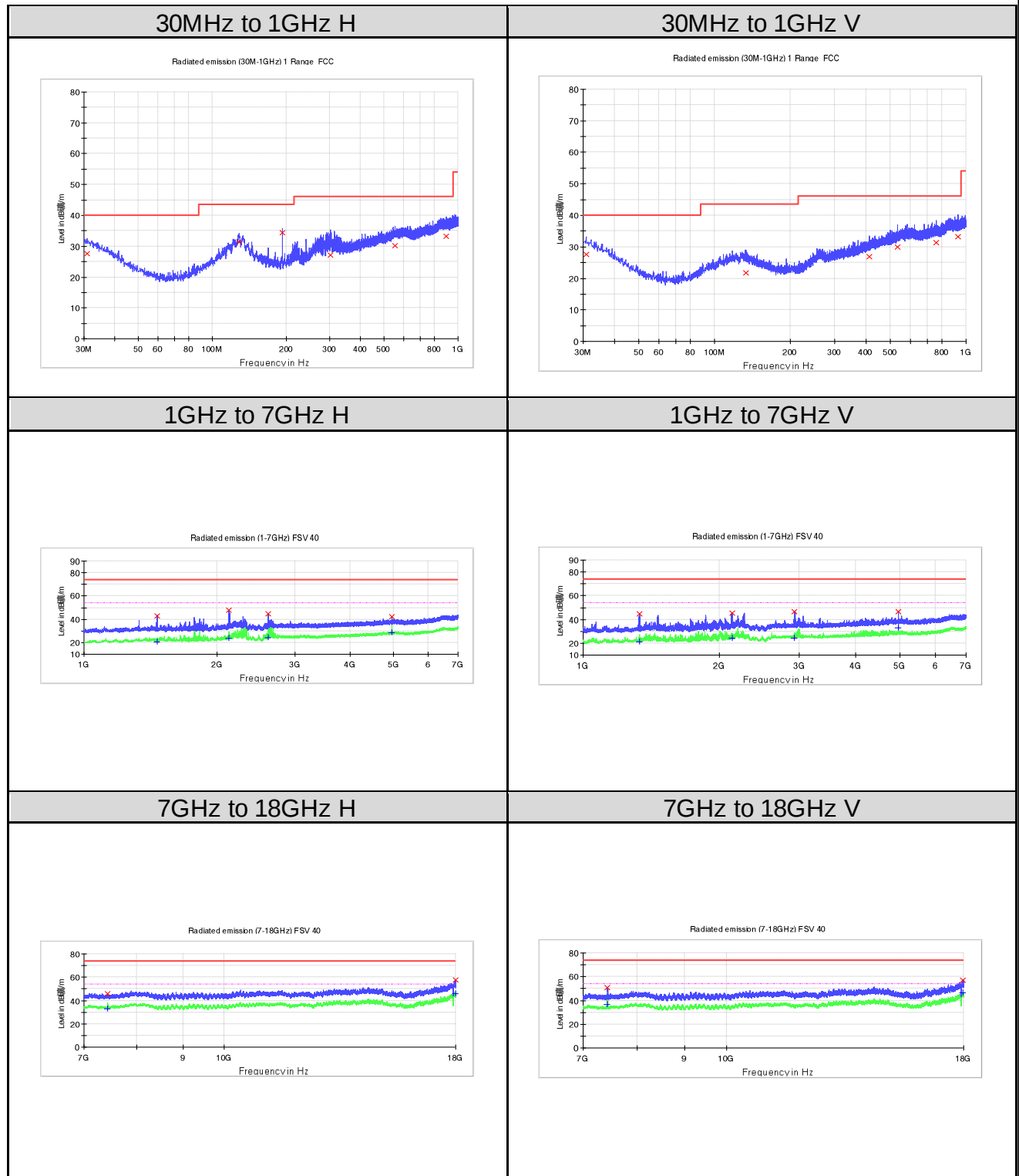
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.606250	27.8	H	24.5	12.2	40.0
127.848750	31.5	H	18.7	12.0	43.5
192.596250	34.2	H	15.9	9.3	43.5
240.732500	29.3	H	18.5	16.7	46.0
285.352500	26.7	H	20.0	19.3	46.0
601.815000	30.4	H	27.0	15.6	46.0
856.076250	33.3	H	28.9	12.8	46.0
30.242500	27.9	V	24.7	12.1	40.0
132.820000	21.9	V	18.5	21.6	43.5
319.908750	24.1	V	20.8	22.0	46.0
531.853750	29.6	V	25.8	16.4	46.0
820.671250	32.0	V	28.1	14.0	46.0
960.230000	33.6	V	29.5	20.4	54.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1462.000000	42.3	H	-18.7	31.7	74.0
2312.200000	47.1	H	-15.8	26.9	74.0
2926.300000	41.0	H	-15.1	33.0	74.0
4880.500000	43.4	H	-11.3	30.6	74.0
7311.093750	45.5	H	-6.6	28.5	74.0
17980.406250	56.8	H	12.0	17.2	74.0
1463.200000	43.6	V	-18.7	30.4	74.0
2127.700000	47.3	V	-16.6	26.7	74.0
2921.800000	45.6	V	-15.1	28.5	74.0
4879.600000	48.2	V	-11.3	25.8	74.0
7320.375000	51.4	V	-6.6	22.6	74.0
17965.968750	56.7	V	11.8	17.3	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1462.000000	20.9	H	-18.7	33.1	54.0
2312.200000	25.4	H	-15.8	28.6	54.0
2926.300000	23.7	H	-15.1	30.3	54.0
4880.500000	27.3	H	-11.3	26.7	54.0
7311.093750	32.2	H	-6.6	21.8	54.0
17980.406250	46.2	H	12.0	7.8	54.0
1463.200000	21.2	V	-18.7	32.9	54.0
2127.700000	24.9	V	-16.6	29.1	54.0
2921.800000	24.4	V	-15.1	29.6	54.0
4879.600000	31.3	V	-11.3	22.8	54.0
7320.375000	36.9	V	-6.6	17.1	54.0
17965.968750	46.2	V	11.8	7.8	54.0

Figure 18: Radiated Spurious Emission, 1Mbps, 2480MHz, THZ988


Limit and Margin
QP

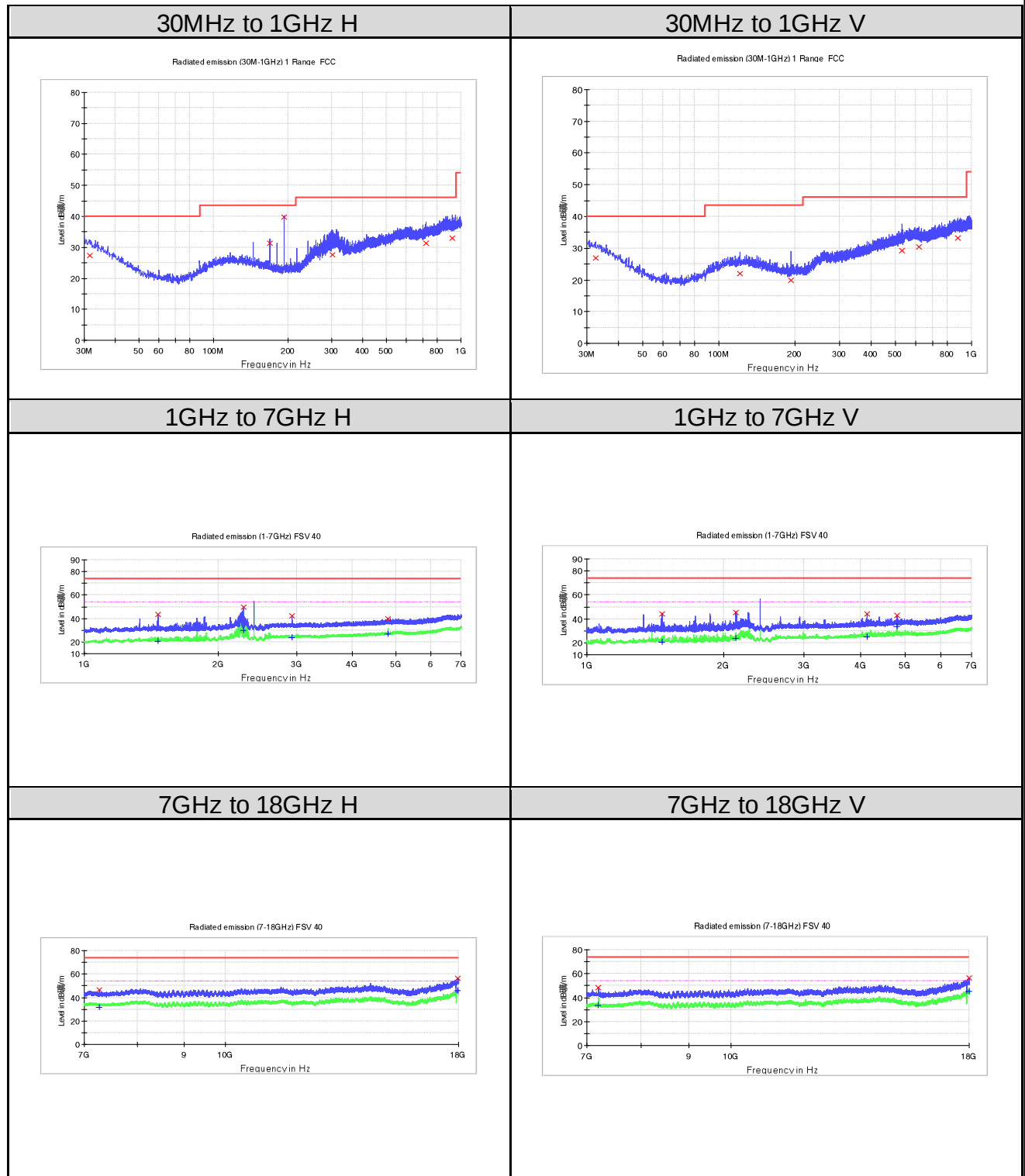
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.848750	27.7	H	24.4	12.3	40.0
128.697500	31.3	H	18.7	12.2	43.5
192.596250	34.5	H	15.9	9.0	43.5
302.448750	27.3	H	20.3	18.8	46.0
553.921250	30.1	H	26.7	15.9	46.0
897.422500	33.3	H	28.8	12.7	46.0
30.848750	27.7	V	24.4	12.3	40.0
133.305000	21.9	V	18.5	21.6	43.5
411.816250	26.9	V	23.7	19.2	46.0
533.187500	29.9	V	25.9	16.1	46.0
761.501250	31.3	V	27.8	14.7	46.0
931.008750	33.2	V	28.9	12.8	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1464.400000	43.0	H	-18.7	31.0	74.0
2129.200000	47.7	H	-16.6	26.4	74.0
2607.700000	45.0	H	-15.8	29.0	74.0
4959.700000	42.0	H	-11.2	32.0	74.0
7439.656250	45.7	H	-6.0	28.3	74.0
17986.250000	57.4	H	12.1	16.6	74.0
1331.800000	44.6	V	-18.8	29.4	74.0
2130.100000	45.2	V	-16.6	28.8	74.0
2928.700000	46.9	V	-15.1	27.1	74.0
4960.300000	46.7	V	-11.1	27.3	74.0
7440.343750	50.9	V	-6.0	23.1	74.0
17968.031250	56.8	V	11.8	17.2	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1464.400000	20.6	H	-18.7	33.4	54.0
2129.200000	23.5	H	-16.6	30.5	54.0
2607.700000	24.1	H	-15.8	29.9	54.0
4959.700000	28.8	H	-11.2	25.2	54.0
7439.656250	32.9	H	-6.0	21.1	54.0
17986.250000	45.7	H	12.1	8.3	54.0
1331.800000	21.3	V	-18.8	32.7	54.0
2130.100000	24.2	V	-16.6	29.8	54.0
2928.700000	24.4	V	-15.1	29.6	54.0
4960.300000	32.8	V	-11.1	21.3	54.0
7440.343750	36.8	V	-6.0	17.2	54.0
17968.031250	46.3	V	11.8	7.7	54.0

Figure 19: Radiated Spurious Emission, 1Mbps, 2402MHz, THZ989


Limit and Margin
QP

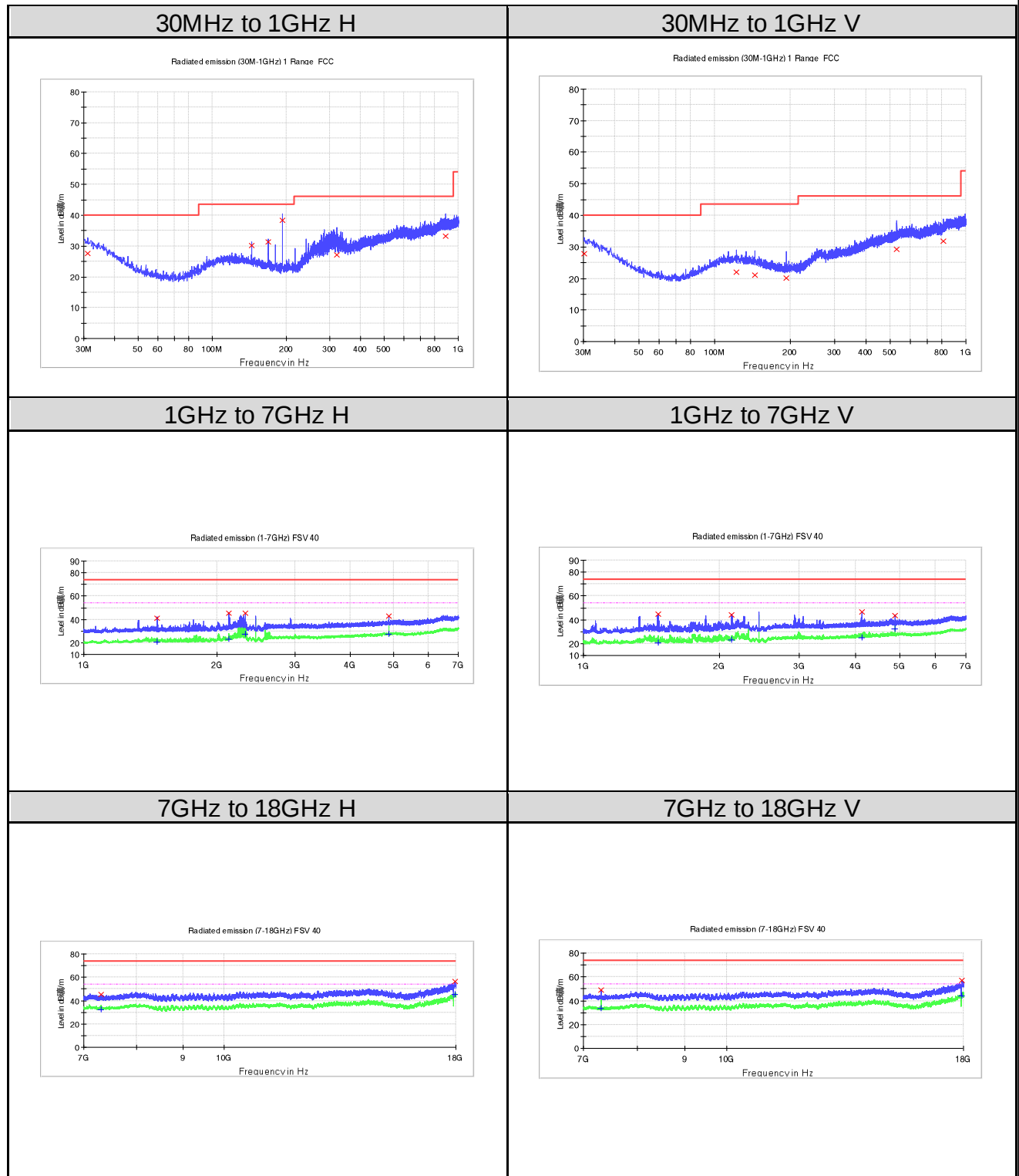
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.576250	27.4	H	24.1	12.6	40.0
168.588750	31.3	H	16.6	12.2	43.5
192.596250	39.9	H	15.9	3.6	43.5
303.055000	27.5	H	20.3	18.5	46.0
724.520000	31.2	H	27.3	14.8	46.0
921.672500	33.0	H	28.7	13.0	46.0
32.425000	27.0	V	23.7	13.0	40.0
120.816250	21.9	V	18.8	21.6	43.5
192.596250	19.9	V	15.9	23.6	43.5
531.853750	29.2	V	25.8	16.8	46.0
617.456250	30.4	V	26.9	15.6	46.0
879.235000	33.3	V	28.7	12.7	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1464.100000	43.7	H	-18.7	30.3	74.0
2273.800000	49.9	H	-15.7	24.1	74.0
2923.300000	42.3	H	-15.1	31.7	74.0
4803.400000	39.5	H	-11.4	34.5	74.0
7275.343750	46.8	H	-6.5	27.3	74.0
17977.312500	56.1	H	12.0	17.9	74.0
1462.000000	44.2	V	-18.7	29.9	74.0
2128.900000	45.3	V	-16.6	28.8	74.0
4128.400000	44.0	V	-13.1	30.0	74.0
4804.300000	42.6	V	-11.4	31.4	74.0
7205.906250	48.2	V	-6.1	25.8	74.0
17986.937500	56.2	V	12.2	17.8	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1464.100000	20.4	H	-18.7	33.6	54.0
2273.800000	30.1	H	-15.7	23.9	54.0
2923.300000	23.6	H	-15.1	30.4	54.0
4803.400000	26.6	H	-11.4	27.4	54.0
7275.343750	31.9	H	-6.5	22.1	54.0
17977.312500	46.0	H	12.0	8.0	54.0
1462.000000	20.6	V	-18.7	33.4	54.0
2128.900000	23.5	V	-16.6	30.6	54.0
4128.400000	25.0	V	-13.1	29.0	54.0
4804.300000	33.8	V	-11.4	20.2	54.0
7205.906250	33.7	V	-6.1	20.3	54.0
17986.937500	45.2	V	12.2	8.8	54.0

Figure 20: Radiated Spurious Emission, 1Mbps, 2440MHz, THZ989


Limit and Margin
QP

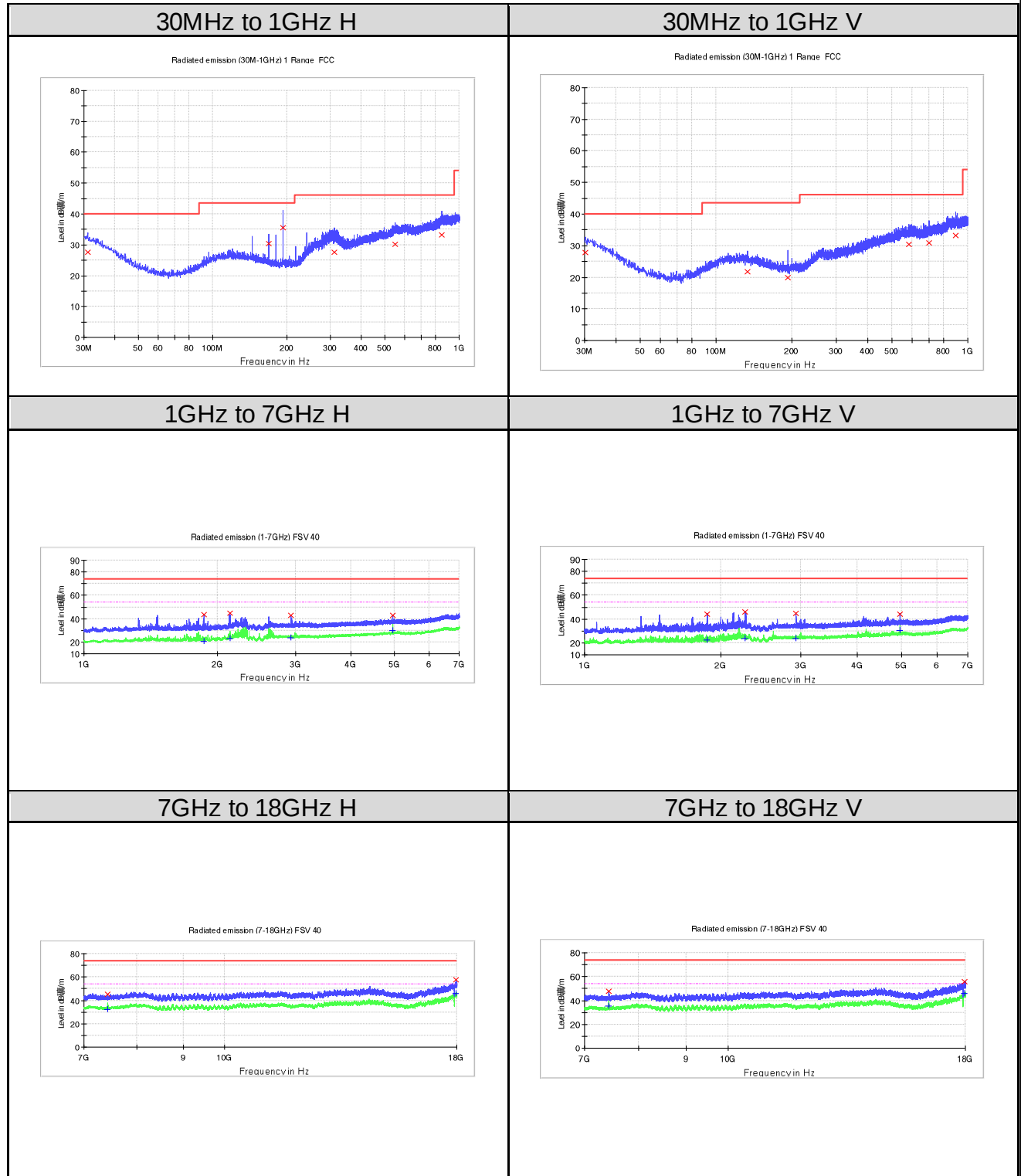
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.212500	27.6	H	24.3	12.4	40.0
144.460000	30.2	H	17.9	13.3	43.5
168.467500	31.3	H	16.6	12.2	43.5
192.475000	38.5	H	15.9	5.0	43.5
319.787500	27.1	H	20.8	18.9	46.0
887.480000	33.3	H	28.7	12.7	46.0
30.242500	27.9	V	24.7	12.1	40.0
122.150000	21.9	V	18.8	21.6	43.5
144.581250	21.0	V	17.9	22.5	43.5
192.596250	20.1	V	15.9	23.4	43.5
531.853750	29.3	V	25.8	16.7	46.0
812.305000	31.8	V	28.0	14.3	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1462.300000	41.2	H	-18.7	32.8	74.0
2125.900000	45.3	H	-16.6	28.7	74.0
2312.200000	45.2	H	-15.8	28.8	74.0
4879.900000	42.7	H	-11.3	31.3	74.0
7319.000000	45.0	H	-6.6	29.0	74.0
17966.656250	56.2	H	11.8	17.8	74.0
1466.200000	44.8	V	-18.7	29.2	74.0
2125.600000	44.3	V	-16.6	29.8	74.0
4121.200000	46.5	V	-13.1	27.5	74.0
4879.300000	43.6	V	-11.3	30.4	74.0
7320.718750	49.0	V	-6.6	25.0	74.0
17944.312500	56.9	V	11.4	17.1	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1462.300000	20.7	H	-18.7	33.3	54.0
2125.900000	22.8	H	-16.6	31.2	54.0
2312.200000	27.4	H	-15.8	26.6	54.0
4879.900000	27.3	H	-11.3	26.7	54.0
7319.000000	32.5	H	-6.6	21.5	54.0
17966.656250	45.5	H	11.8	8.5	54.0
1466.200000	20.7	V	-18.7	33.3	54.0
2125.600000	22.9	V	-16.6	31.2	54.0
4121.200000	24.7	V	-13.1	29.3	54.0
4879.300000	32.6	V	-11.3	21.4	54.0
7320.718750	33.6	V	-6.6	20.4	54.0
17944.312500	43.8	V	11.4	10.2	54.0

Figure 21: Radiated Spurious Emission, 1Mbps, 2480MHz, THZ989


Prüfbericht - Nr.: CN24NH2P 001
Test Report No.
Seite 49 von 50
Page 49 of 50
Limit and Margin
QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.091250	27.6	H	24.3	12.4	40.0
168.588750	30.4	H	16.6	13.1	43.5
192.353750	35.7	H	15.9	7.8	43.5
311.906250	27.6	H	20.6	18.4	46.0
549.677500	30.2	H	26.7	15.8	46.0
847.952500	33.2	H	28.9	12.8	46.0
30.242500	27.9	V	24.7	12.1	40.0
132.941250	21.9	V	18.5	21.6	43.5
192.596250	20.0	V	15.9	23.5	43.5
583.506250	30.3	V	26.6	15.7	46.0
703.907500	30.8	V	26.8	15.2	46.0
897.180000	33.3	V	28.8	12.7	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1866.100000	43.3	H	-18.4	30.7	74.0
2132.800000	44.7	H	-16.5	29.3	74.0
2929.300000	43.0	H	-15.1	31.0	74.0
4959.400000	42.8	H	-11.2	31.2	74.0
7438.968750	45.3	H	-6.1	28.7	74.0
17978.000000	57.9	H	12.0	16.1	74.0
1861.600000	44.2	V	-18.4	29.8	74.0
2257.600000	46.2	V	-15.6	27.8	74.0
2926.600000	44.5	V	-15.1	29.5	74.0
4960.600000	44.3	V	-11.1	29.7	74.0
7439.312500	47.9	V	-6.1	26.1	74.0
17970.781250	55.5	V	11.9	18.5	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1866.100000	20.7	H	-18.4	33.3	54.0
2132.800000	23.1	H	-16.5	30.9	54.0
2929.300000	23.7	H	-15.1	30.3	54.0
4959.400000	29.7	H	-11.2	24.3	54.0
7438.968750	32.4	H	-6.1	21.6	54.0
17978.000000	45.9	H	12.0	8.1	54.0
1861.600000	22.2	V	-18.4	31.8	54.0
2257.600000	23.4	V	-15.6	30.6	54.0
2926.600000	23.4	V	-15.1	30.6	54.0
4960.600000	30.6	V	-11.1	23.4	54.0
7439.312500	35.4	V	-6.1	18.6	54.0
17970.781250	45.6	V	11.9	8.4	54.0

6. List of Tables

Table 1: List of Test and Measurement Equipment.....	6
Table 2: Measurement Uncertainty.....	7
Table 3: Technical Specification of EUT	8
Table 4: Operation Channel List.....	9
Table 5: Power parameter value	10
Table 6: Auxiliary Equipment	10
Table 7: Antenna Requirement	11
Table 8: Peak Output Power.....	19

7. List of Figures

Figure 1: Reference level.....	25
Figure 2: Conducted Spurious Emission.....	26
Figure 3: Conducted Band Edge.....	26
Figure 4: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, L powered by charger, THZ988	28
Figure 5: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, N powered by charger, THZ988	29
Figure 6: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, L, powered by charger, THZ989.....	30
Figure 7: Spectral Diagrams, Conducted Emission, 150 kHz – 30 MHz, N, powered by charger, THZ989.....	31
Figure 8: Radiated Band-Edge, 1Mbps, 2402MHz, H, THZ988	33
Figure 9: Radiated Band-Edge, 1Mbps, 2402MHz, V, THZ988.....	33
Figure 10: Radiated Band-Edge, 1Mbps, 2480MHz, H, THZ988.....	34
Figure 11: Radiated Band-Edge, 1Mbps, 2480MHz, V, THZ988.....	34
Figure 12: Radiated Band-Edge, 1Mbps, 2402MHz, H, THZ989.....	35
Figure 13: Radiated Band-Edge, 1Mbps, 2402MHz, V, THZ989.....	35
Figure 14: Radiated Band-Edge, 1Mbps, 2480MHz, H, THZ989.....	36
Figure 15: Radiated Band-Edge, 1Mbps, 2480MHz, V, THZ989.....	36
Figure 16: Radiated Spurious Emission, 1Mbps, 2402MHz, THZ988	38
Figure 17: Radiated Spurious Emission, 1Mbps, 2440MHz, THZ988	40
Figure 18: Radiated Spurious Emission, 1Mbps, 2480MHz, THZ988	42
Figure 19: Radiated Spurious Emission, 1Mbps, 2402MHz, THZ989	44
Figure 20: Radiated Spurious Emission, 1Mbps, 2440MHz, THZ989	46
Figure 21: Radiated Spurious Emission, 1Mbps, 2480MHz, THZ989	48