

# TEST REPORT

For

## 144/430MHz DIGITAL/ANALOG TRANSCEIVER (Bluetooth)

In conformity with

### FCC Part 15C / RSS-247 Issue 3

**Model Name:**

**FT5DR**

**FCC ID:**

**K6620825X22**

**ISED Cert No.:**

**511B-20825X22**

**Report No.:**

**WE250212CB1-11**

**Issue Date:**

**19 May 2025**

**Prepared for**

Yaesu Musen Co., Ltd.

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**Prepared by**

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## History

Report No.	Date	Revisions	Issued By
WE250212CB1-11	19 May 2025	Initial Issue	N. Inokawa

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## 1 General information

### 1.1 Product description from supplier

Test item	: 144/430MHz DIGITAL/ANALOG TRANSCEIVER
Manufacturer	: Yaesu Musen Co., Ltd.
Address	: Omori Bellport D building 3F, 6-26-3 Minamioi, Shinagawa-ku, Tokyo 140-0013 Japan
Model	: FT5DR
FCC ID	: K6620825X22
ISED Certification No.	: 511B-20825X22
Serial number	: 3M300323 (for radiated test) 3M300321 (for conducted test)
Hardware version	: N/A
Software version	: N/A
Operating frequency	: 2402 - 2480MHz
Modulation	: GFSK, $\pi/4$ -DQPSK, 8DQPSK
Antenna gain	: + 2.14dBi (declared by the applicant)
Rated RF output power	: 10 dBm (declared by the applicant)
Receipt date of EUT	: 28 Mar. 2025 (3M300323) 03 Apr. 2025 (3M300321)
Nominal power source voltages	: DC 7.4V (Battery)

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## 1.2 Test(s) performed/ Summary of test result

Test specification(s)	: FCC CFR 47 Part 15 Subpart C (28 Feb. 2025) RSS-247 Issue 3 / RSS-Gen Issue 5
Test method(s)	: ANSI C63.10: 2013
Test(s) started	: 01 Apr. 2025
Test(s) completed	: 22 Apr. 2025
Summary of test result	: <u>Complied</u>

Note: The above judgment is only based on the measurement data and it does not include the measurement uncertainty. Accordingly, the statement below is applied to the test result.  
The EUT complies with the limit required in the standard in case that the margin is not less than the measurement uncertainty in the Laboratory.  
Compliance of the EUT is more probable than non-compliance in case that the margin is less than the measurement uncertainty in the Laboratory.

Test engineer

:   
N. Inokawa  
C&P Connectivity Wireless RF Lab

Reviewer

:   
T. Takei  
Manager, C&P Connectivity Wireless

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## 1.3 Test facility

The Federal Communications Commission has reviewed the technical characteristics of the test facilities at SGS Japan Inc., located in 3-5-23, Kitayamata, Tsuzuki-ku, Yokohama, 224-0021, Japan, and has found these test facilities to be in compliance with the requirements of 47 CFR Part 15, section 2.948. The description of the test facilities has been filed under registration number JP5227 at the Office of the Federal Communications Commission. The facility has been added to the list of laboratories performing these test services for the public on a fee basis.

The list of all public test facilities is available on the Internet at <https://www.fcc.gov>.

Registered by Innovation, Science and Economic Development Canada (ISED):  
The registered CAB identifier is JP0009.

Accredited by **American Association for Laboratory Accreditation** (A2LA) for the emission tests stated in the scope of the certificate under Certificate Number 7080.01

This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the U.S. Government.



## 1.4 Measurement uncertainty

The treatment of uncertainty is based on the general matters on the definition of uncertainty in “Guide to the expression of uncertainty in measurement (GUM)” published by ISO. The Lab’s uncertainty is determined by referring ETSI TR 100 028-1 V1.4.1.

The uncertainty of the measurement result in the level of confidence of approximately 95% (k=2) is as follows;

AC Conducted emission	: ± 3.3 dB (150 kHz - 30 MHz)
Radiated emission	: ± 5.1 dB (9 kHz - 30 MHz)
	: ± 5.0 dB (30 MHz - 1000 MHz)
	: ± 4.2 dB (1 GHz - 6 GHz)
	: ± 4.3 dB (6 GHz - 18 GHz)
	: ± 4.4 dB (18 GHz - 26 GHz)

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## 1.5 Summary of test results

Requirement	Section in FCC	Section in RSS-247	Result	Section in this report
20dB Bandwidth	15.247 (a)(1)	6.7 (RSS-Gen)	Complied	2.1
Hopping Carrier Frequency Separation	15.247 (a)(1)	5.1 (b)	Complied	2.2
Number of Hopping Channel	15.247 (a)(1)(iii)	5.1 (d)	Complied	2.3
Average Time of Occupancy	15.247 (a)(1)(iii)	5.1 (d)	Complied	2.4
Maximum Conducted Output Power	15.247 (b)(1)	5.4 (b)	Complied	2.5
equivalent isotropically radiated power (e.i.r.p.)	-	5.4 (b)	Complied	2.5
Conducted Spurious Emissions	15.247(d)	5.5	Complied	2.6
Radiated Emissions	15.247(d)/15.205(b) /15.209	8.9/8.10 (RSS-Gen)	Complied	2.7
AC power line conducted emissions	15.207	8.8 (RSS-Gen)	Not Applicable*	2.8
Antenna requirement	15.203	6.8 (RSS-Gen)	Complied	2.9

Not Applicable\*: EUT operates on battery power.

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## 1.6 Setup of equipment under test (EUT)

### 1.6.1 Test configuration of EUT

#### Equipment(s) under test

No.	Item	Model No.	Manufacture	Serial No.
1-1	144/430MHz DIGITAL/ANALOG TRANSCEIVER	FT5DR	Yaesu Musen Co., Ltd.	3M300323
1-2	144/430MHz DIGITAL/ANALOG TRANSCEIVER	FT5DR	Yaesu Musen Co., Ltd.	3M300323

#### Support equipment(s)

No.	Item	Model No.	Manufacture	Serial No.
2	Li-ion Battery Pack	SBR-14LI	Yaesu Musen Co., Ltd.	-
3	Microphone	SSM-17A	Yaesu Musen Co., Ltd.	-
4	PC	Vostro 15	DELL	8GSFHT2
5	AC Adapter	LA45NM140	DELL	0KXTTW

#### Connected cable(s)

No.	Item	From	To	Cable Shielded	Ferrite Core	Length [m]
A	Microphone Cable	1-1 or 1-2	3	No	No	0.5
B	Signal Cable	1-2	4	No	No	0.8
C	DC Cable	4	5	Yes	Yes	1.8
D	AC Cable	5	AC	No	No	0.8

#### Test software

Qualcomm BlueTest3 Version: 3.3.18.217 with the following settings as specified by the applicant;

- Channel: 0 (for Tx 2402MHz)  
39 (for Tx 2441MHz)  
78 (for Tx 2480MHz)
- Power: 6 (default / factory default setting)
- Type: BREDR 1-PR9 (for 1Mbps, GFSK)  
BREDR 2-PR9 (for 2Mbps,  $\pi/4$ -DQPSK)  
BREDR 3-PR9 (for 3Mbps, 8DQPSK)
- Packet length: 339 (for DH5 packet)  
679 (for 2DH5 packet)  
1021 (for 3DH5 packet)

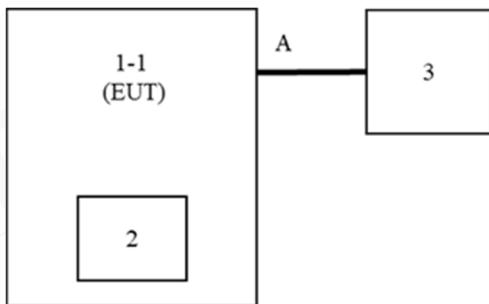
For other settings, the default settings are used.

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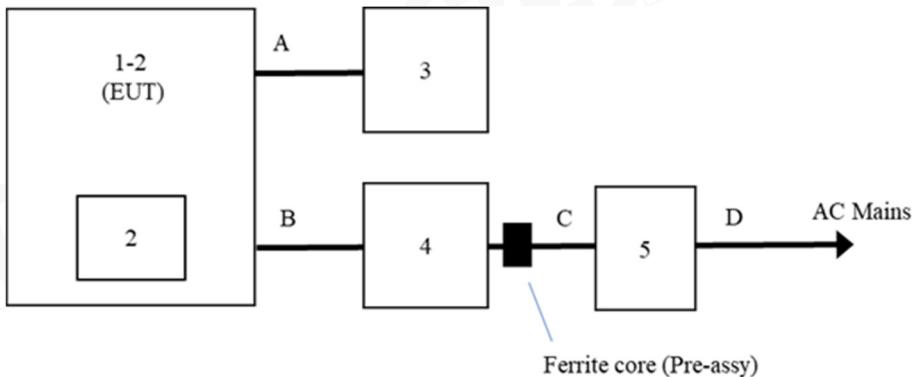
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## 1.6.2 Setup diagram of tested system

[Configuration 1]



[Configuration 2]



## 1.6.3 Operating condition

The following is the list of the test modes shown in this test report.

- Tx 2402MHz 1Mbps: The EUT is in continuous transmission mode at 2402MHz with GFSK modulation
- Tx 2441MHz 1Mbps: The EUT is in continuous transmission mode at 2441MHz with GFSK modulation
- Tx 2480MHz 1Mbps: The EUT is in continuous transmission mode at 2480MHz with GFSK modulation
- Tx Hopping DH5: The EUT is in continuous transmission mode with DH5 packet, hopping-on
- Tx 2402MHz 2Mbps: The EUT is in continuous transmission mode at 2402MHz with  $\pi/4$ -DQPSK mod.
- Tx 2441MHz 2Mbps: The EUT is in continuous transmission mode at 2440MHz with  $\pi/4$ -DQPSK mod.
- Tx 2480MHz 2Mbps: The EUT is in continuous transmission mode at 2480MHz with  $\pi/4$ -DQPSK mod.
- Tx Hopping 2DH5: The EUT is in continuous transmission mode with 2DH5 packet, hopping-on
- Tx 2402MHz 3Mbps: The EUT is in continuous transmission mode at 2402MHz with 8DQPSK modulation
- Tx 2441MHz 3Mbps: The EUT is in continuous transmission mode at 2440MHz with 8DQPSK modulation
- Tx 2480MHz 3Mbps: The EUT is in continuous transmission mode at 2480MHz with 8DQPSK modulation
- Tx Hopping 3DH5: The EUT is in continuous transmission mode with 3DH5 packet, hopping-on

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## 1.7 Equipment modifications

No modifications have been made to the equipment in order to achieve compliance with the applicable standards described in clause 1.2.

## 1.8 Deviation from the standard

No deviations from the standards described in clause 1.2.

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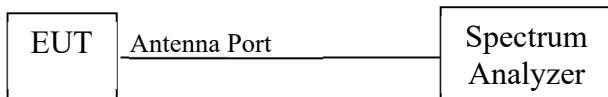
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## 2 Test procedure and test data

### 2.1 20dB Bandwidth

#### Test setup

The test setup is shown below. The antenna port of EUT was connected to the spectrum analyzer.



#### Test procedure

Spectrum analyzer is set as below according to ANSI C63.10 clause 6.9.2

- RBW : 1 to 5 % of OBW
- VBW > 3 x RBW
- Span : OBW x 2 to 5
- Trace : Max hold

#### Limitation

There are no limitations.

The measurement value is used for the emission designator.

#### Test equipment used (refer to List of utilized test equipment)

TR06	CL31	-	-
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#### Test data

Configuration: 2

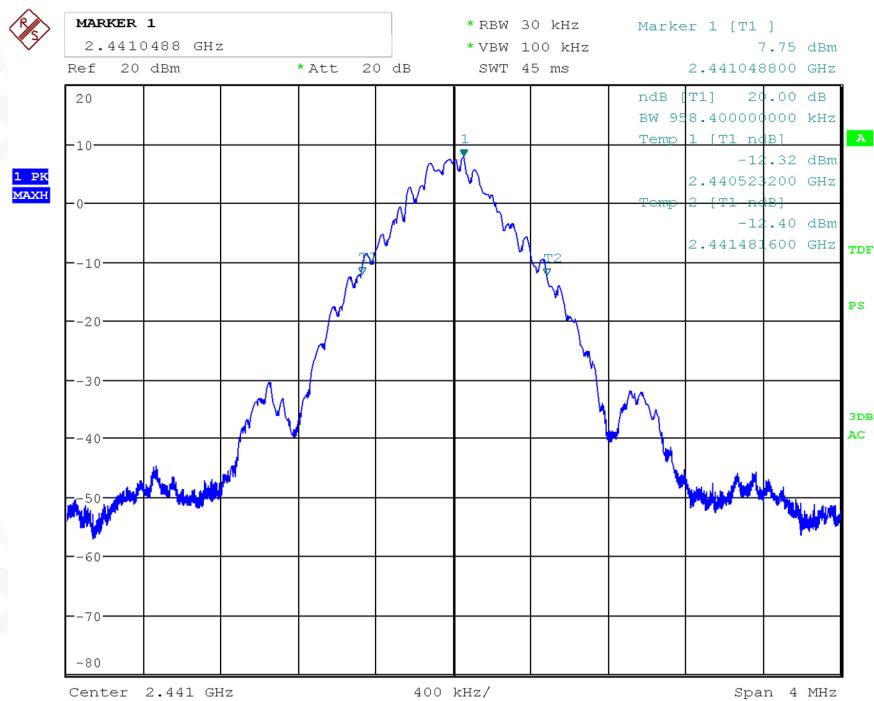
Transmission Frequency [MHz]	Mode	Occupied Bandwidth [kHz]
2402	1Mbps	958.8
2441	1Mbps	958.4
2480	1Mbps	957.2
2402	2Mbps	1360.0
2441	2Mbps	1360.8
2480	2Mbps	1361.2
2402	3Mbps	1348.0
2441	3Mbps	1348.8
2480	3Mbps	1346.8

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[Chart]

Operating condition: Tx 2441MHz 1Mbps



Tested Date: 22 Apr. 2025  
 Humidity: 49 %

Temperature: 20 degC  
 Atmos. Press: 1015 hPa

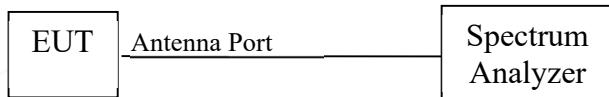
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## 2.1.1 Occupied Bandwidth (99%)

### Test setup

The test setup is shown below. The antenna port of EUT was connected to the spectrum analyzer.



### Test procedure

Spectrum analyzer is set as below according to ANSI C63.10 clause 6.9.3

- RBW : 1 to 5 % of OBW
- VBW > 3 x RBW
- Span : OBW x 1.5 to 5
- Trace : Max hold

### Limitation

There are no limitations.

The measurement value is used for the emission designator.

### Test equipment used (refer to List of utilized test equipment)

TR06	CL31	-	-
------	------	---	---

### Test data

Configuration: 2

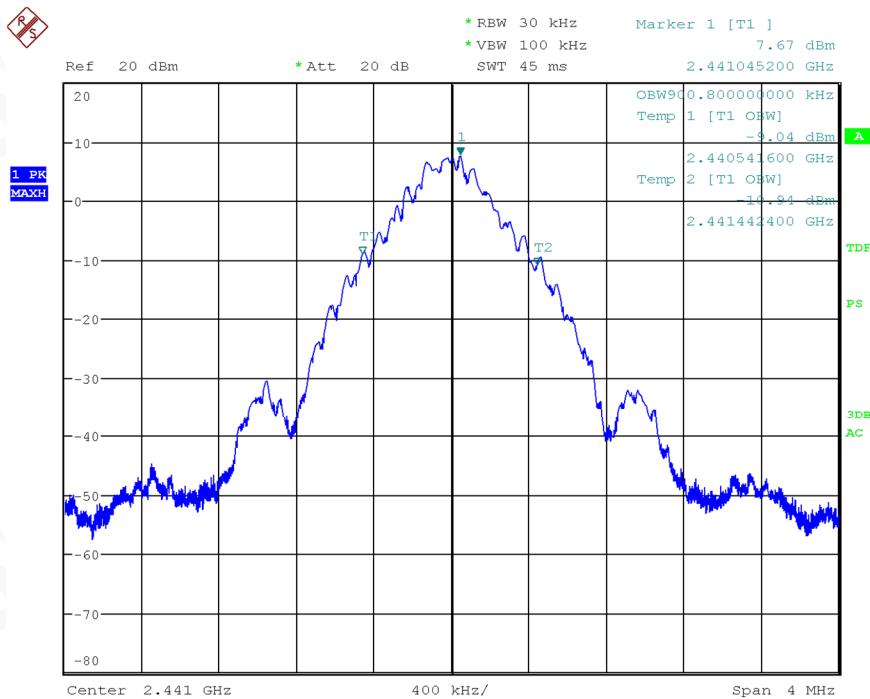
Transmission Frequency [MHz]	Mode	Occupied Bandwidth [kHz]
2402	1Mbps	900.4
2441	1Mbps	900.8
2480	1Mbps	893.6
2402	2Mbps	1202.8
2441	2Mbps	1203.2
2480	2Mbps	1203.6
2402	3Mbps	1203.6
2441	3Mbps	1202.8
2480	3Mbps	1201.2

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## [Chart]

Operating condition: Tx 2441MHz 1Mbps



Tested Date: 22 Apr. 2025  
 Humidity: 49 %

Temperature: 20 degC  
 Atmos. Press: 1015 hPa

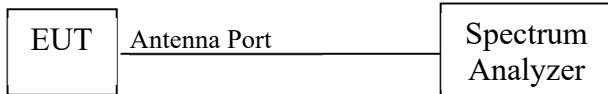
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## 2.2 Hopping Carrier Frequency Separation

### Test setup

The test setup is shown below. The antenna port of EUT was connected to the spectrum analyzer.



### Test procedure

Spectrum analyzer is set as below according to ANSI C63.10 clause 7.8.2

- RBW: about 30% of OBW
- VBW > RBW
- Trace : Max hold

### Applicable rule and limitation

FCC 15.247 (a)(1)

RSS-247 5.1 (b)

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

*Limit: more than 907.5 kHz (2/3 of 20 dB OBW)*

### Test equipment used (refer to List of utilized test equipment)

TR06	CL31	-	-
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### Test results - Complied with requirement

### Test Data

*Configuration: 2*

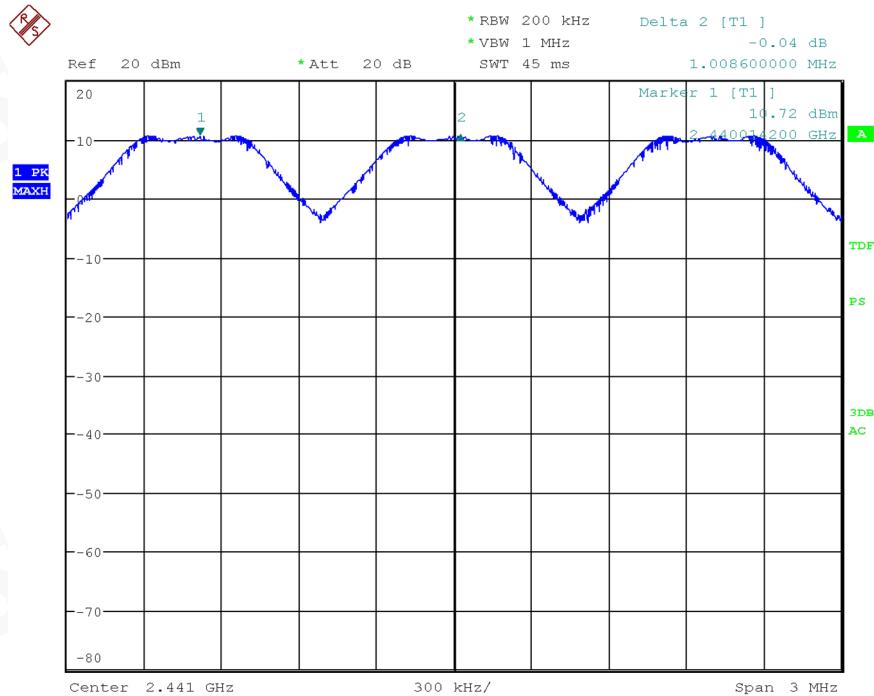
Frequency Separation [kHz]	Result
1008.6	Pass

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[Chart]

Operating condition: Tx Hopping DH5



Tested Date: 22 Apr. 2025  
 Humidity: 49 %

Temperature: 20 degC  
 Atmos. Press: 1015 hPa

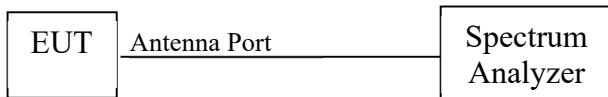
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## 2.3 Number of Hopping Frequencies

### Test setup

The test setup is shown below. The antenna port of EUT was connected to the spectrum analyzer.



### Test procedure

Spectrum analyzer is set as below according to ANSI C63.10 clause 7.8.3

- RBW: about 30% of OBW
- VBW > RBW
- Trace : Max hold

### Applicable rule and limitation

FCC 15.247 (a)(1)(iii)  
RSS-247 5.1 (d)

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

### Test equipment used (refer to List of utilized test equipment)

TR06	CL31	-	-
------	------	---	---

### Test results - Complied with requirement

### Test Data

Configuration: 2

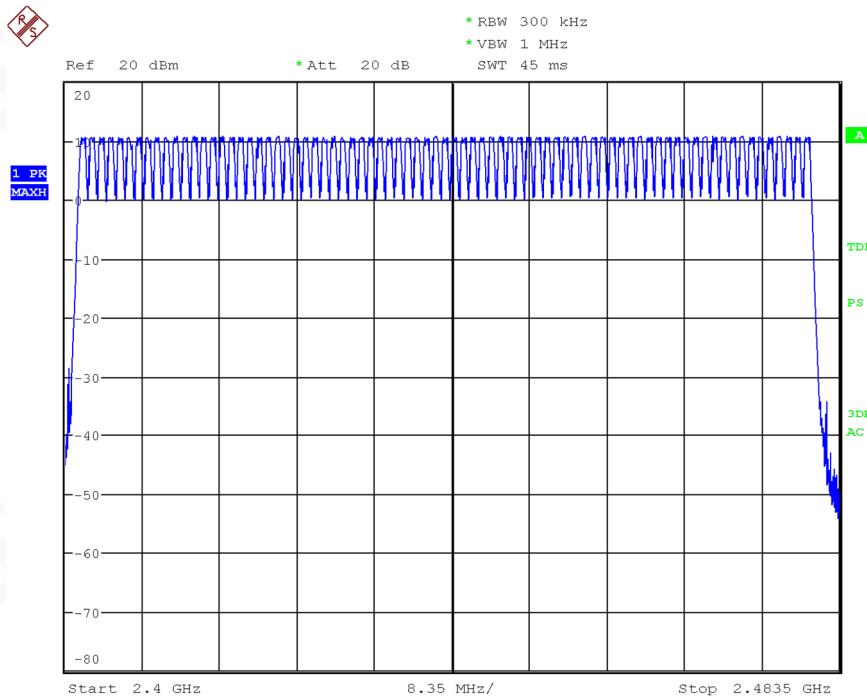
Number of hopping frequencies	Result
79	Pass

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[Chart]

Operating condition: Tx Hopping DH5



Tested Date: 22 Apr. 2025  
Humidity: 49 %

Temperature: 20 degC  
Atmos. Press: 1015 hPa

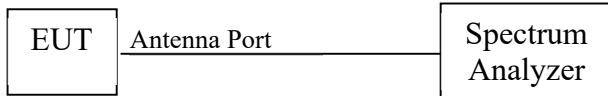
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## 2.4 Average Time of Occupancy

### Test setup

The test setup is shown below. The antenna port of EUT was connected to the spectrum analyzer.



### Test procedure

Spectrum analyzer is set as below according to ANSI C63.10 clause 7.8.4

- RBW < Channel separation
- Trace : Max hold

### Applicable rule and limitation

FCC 15.247 (a)(1)(iii)

RSS-247 5.1 (d)

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. (31.6 s)

### Test equipment used (refer to List of utilized test equipment)

TR06	CL31	-	-
------	------	---	---

### Test results - Complied with requirement

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## Test Data

Configuration: 2

Mode	Tx time per hop [ms]	Number of hops / 31.6 s	Time of occupancy [s] (*)	Result
Tx Hopping DH1	0.379	328	0.124	Pass
Tx Hopping DH3	1.616	168	0.271	Pass
Tx Hopping DH5	2.865	101	0.289	Pass
Tx Hopping 2DH5	2.877	111	0.319	Pass
Tx Hopping 3DH5	2.873	106	0.305	Pass

(\*) The test result was calculated as follows,

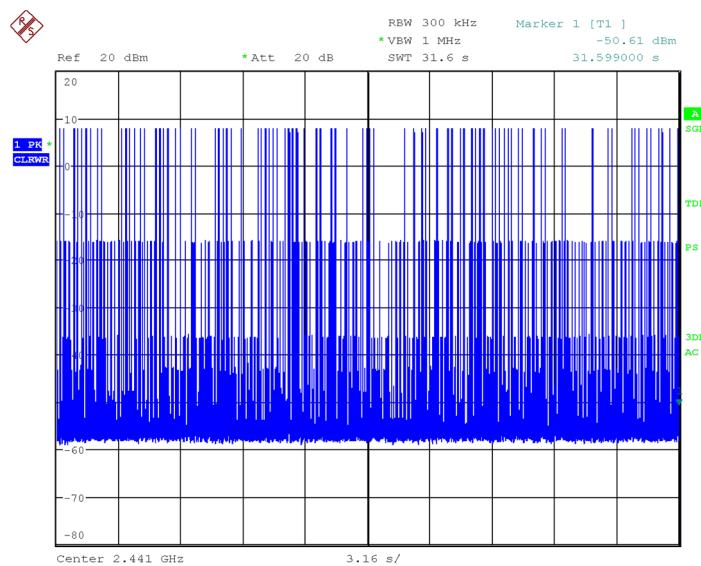
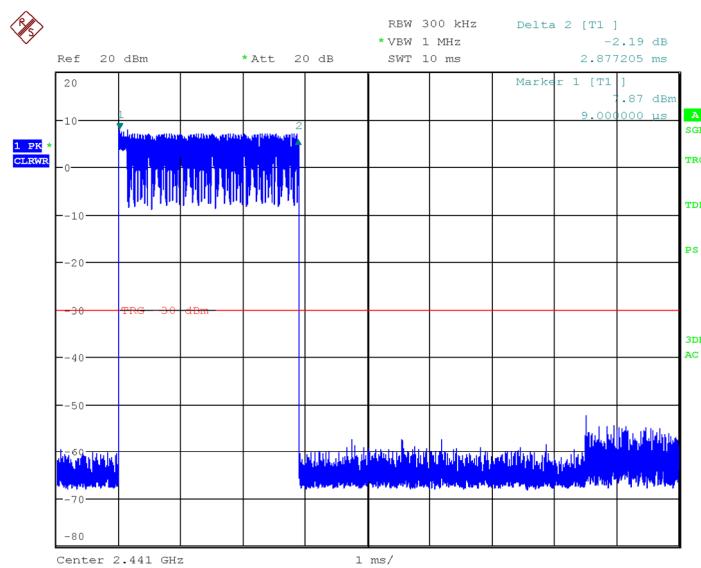
Average time of occupancy = (Tx time per hop) x (Number of hops / 31.6 s)

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[Chart]

Operating condition: Tx Hopping 2DH5



Tested Date: 22 Apr. 2025  
 Humidity: 49 %

Temperature: 20 degC  
 Atmos. Press: 1015 hPa

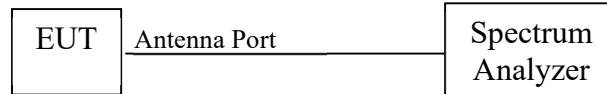
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## 2.5 Maximum Peak Conducted Output Power and e.i.r.p.

### Test setup

The test setup is shown below. The antenna port of EUT was connected to the spectrum analyzer.



### Test procedure

Spectrum analyzer is set as below according to ANSI C63.10 clause 7.8.5

- RBW > OBW
- VBW > RBW
- Span: about 5 times of OBW
- Trace : Max hold

### Applicable rule and limitation

FCC 15.247 (b)(1)

RSS-247 5.4 (b)

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt (30 dBm).

For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts (21 dBm).

The e.i.r.p. shall not exceed 4 W (36 dBm).

### Test equipment used (refer to List of utilized test equipment)

TR06	CL31	
------	------	--

### Test results - Complied with requirement

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## Test Data

Configuration: 2

### Maximum Peak Conducted Output Power

Transmission Frequency [MHz]	Mode	Output Power [dBm]	Result
2402	1Mbps	10.55	Pass
2441	1Mbps	10.56	Pass
2480	1Mbps	10.65	Pass
2402	2Mbps	10.16	Pass
2441	2Mbps	10.18	Pass
2480	2Mbps	10.27	Pass
2402	3Mbps	10.78	Pass
2441	3Mbps	10.80	Pass
2480	3Mbps	10.89	Pass

e.i.r.p.

Transmission Frequency [MHz]	Mode	Output Power [dBm]	Antenna Gain [dBi] (*)	e.i.r.p. [dBm] (**)	Result
2402	1Mbps	10.55	2.14	12.69	Pass
2441	1Mbps	10.56	2.14	12.70	Pass
2480	1Mbps	10.65	2.14	12.79	Pass
2402	2Mbps	10.16	2.14	12.30	Pass
2441	2Mbps	10.18	2.14	12.32	Pass
2480	2Mbps	10.27	2.14	12.41	Pass
2402	3Mbps	10.78	2.14	12.92	Pass
2441	3Mbps	10.80	2.14	12.94	Pass
2480	3Mbps	10.89	2.14	13.03	Pass

(\*) The antenna gain is declared by the applicant.

(\*\*) The test result was calculated as follows,

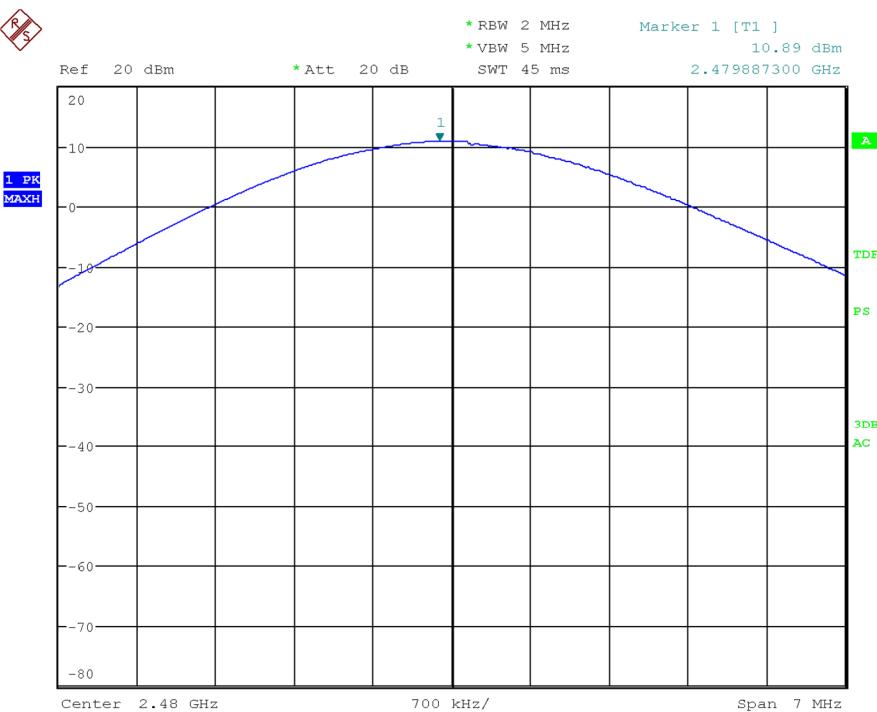
$$\text{e.i.r.p.} = (\text{Output Power}) + (\text{Antenna Gain})$$

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[Chart]

Operating condition: Tx 2480MHz 3Mbps



Tested Date: 22 Apr. 2025  
 Humidity: 49 %

Temperature: 20 degC  
 Atmos. Press: 1015 hPa

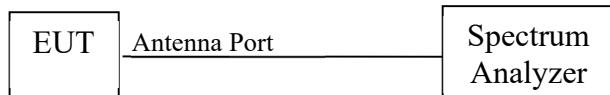
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## 2.6 Conducted Spurious Emissions

### Test setup

The test setup is shown below. The antenna port of EUT was connected to the spectrum analyzer.



### Test procedure

Spectrum analyzer is set as below according to ANSI C63.10 clause 7.8.8.

- RBW : 100 kHz	- VBW : 300 kHz
- Detector : Peak	- Trace : Max hold

### Limitation

FCC 15.247(d)

RSS-247 5.5

In any 100 kHz 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 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

### Test equipment used (refer to List of utilized test equipment)

TR06	CL31	-	-
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### Test results - Complied with requirement

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## Test Data

*Configuration: 2*

*Operating mode: Tx 2402MHz 1Mbps*

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
2400.0	-46.31	9.88	-10.12
3603.0	-41.49	9.88	-10.12
4804.3	-35.57	9.88	-10.12

*Note: All other emissions have more than 20 dB margin.*

*Operating mode: Tx 2441MHz 1Mbps*

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
3661.7	-41.28	9.93	-10.07
4882.3	-36.59	9.93	-10.07

*Note: All other emissions have more than 20 dB margin.*

*Operating mode: Tx 2480MHz 1Mbps*

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
2483.5	-51.08	10.05	-9.95
3719.9	-42.91	10.05	-9.95
4960.0	-37.22	10.05	-9.95

*Note: All other emissions have more than 20 dB margin.*

*Operating mode: Tx 2402MHz 2Mbps*

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
2399.6	-46.71	5.86	-14.14
3602.6	-46.97	5.86	-14.14
4804.4	-40.04	5.86	-14.14

*Note: All other emissions have more than 20 dB margin.*

*Operating mode: Tx 2441MHz 2Mbps*

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
3661.2	-47.34	5.83	-14.17
4881.7	-37.93	5.83	-14.17

*Note: All other emissions have more than 20 dB margin.*

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*Operating mode: Tx 2480MHz 2Mbps*

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
2483.5	-52.46	5.88	-14.12
3720.3	-48.05	5.88	-14.12
4960.3	-39.90	5.88	-14.12

*Note: All other emissions have more than 20 dB margin.*

*Operating mode: Tx 2402MHz 3Mbps*

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
2399.8	-46.87	5.84	-14.16
-3602.7	-47.18	5.84	-14.16
4804.0	-39.27	5.84	-14.16

*Note: All other emissions have more than 20 dB margin.*

*Operating mode: Tx 2441MHz 3Mbps*

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
3661.5	-47.44	5.77	-14.23
4881.9	-39.96	5.77	-14.23

*Note: All other emissions have more than 20 dB margin.*

*Operating mode: Tx 2480MHz 3Mbps*

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
2484.2	-50.52	5.86	-14.14
3720.3	-48.29	5.86	-14.14
4960.0	-39.33	5.86	-14.14

*Note: All other emissions have more than 20 dB margin.*

*Operating mode: Tx Hopping DH5*

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
2399.8	-45.21	10.53	-9.47
2483.8	-51.39	10.53	-9.47

*Note: All other emissions have more than 20 dB margin.*

*Operating mode: Tx Hopping 2DH5*

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
2400.0	-46.91	7.54	-12.46
2484.1	-54.30	7.54	-12.46

*Note: All other emissions have more than 20 dB margin.*

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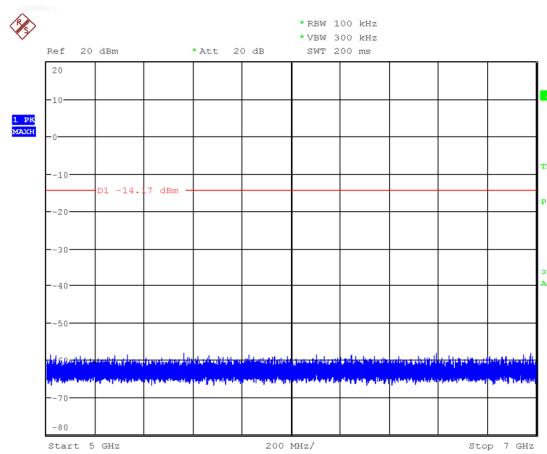
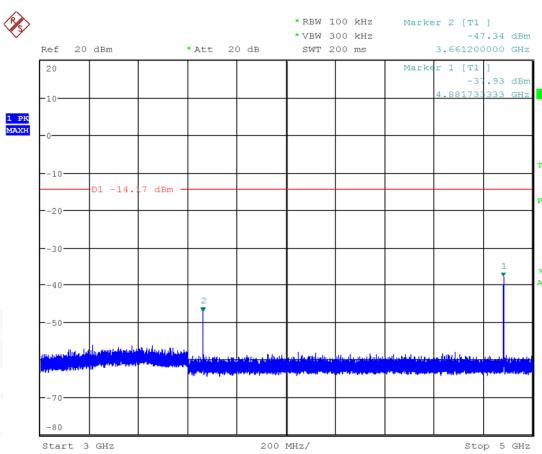
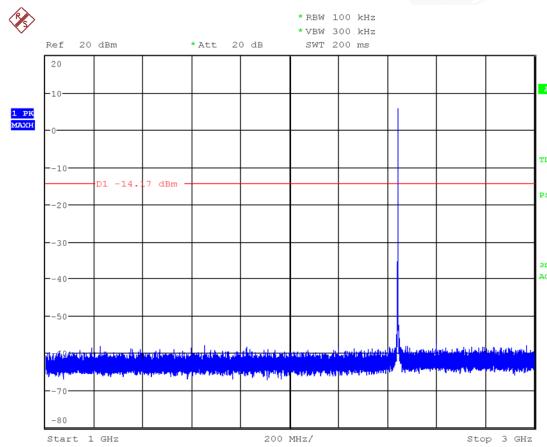
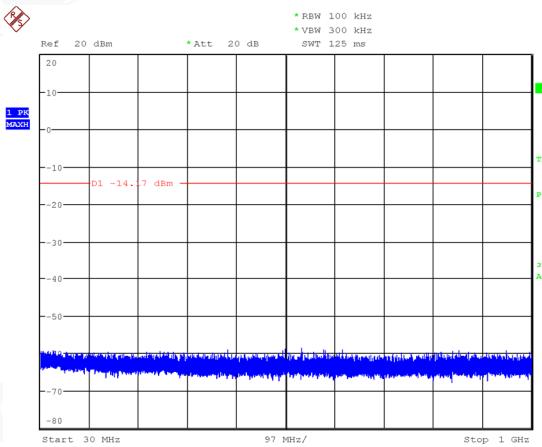
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*Operating mode: Tx Hopping DH5*

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
2400.0	-46.21	7.64	-12.36
2483.6	-53.04	7.64	-12.36

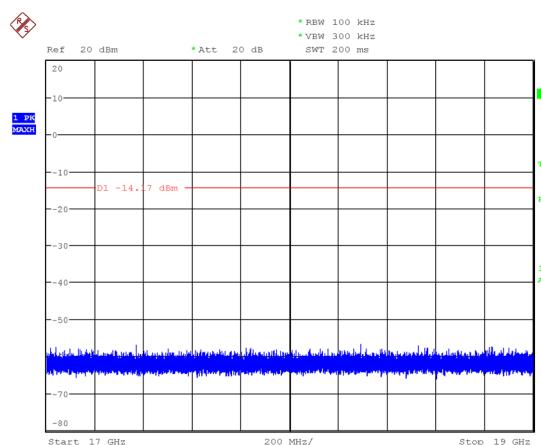
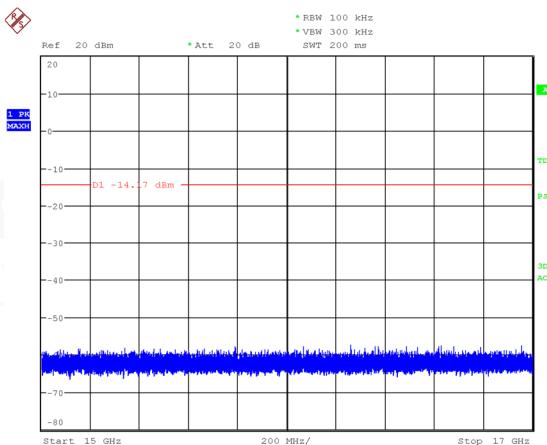
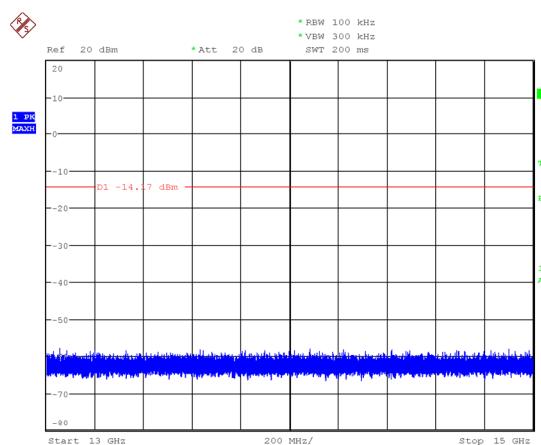
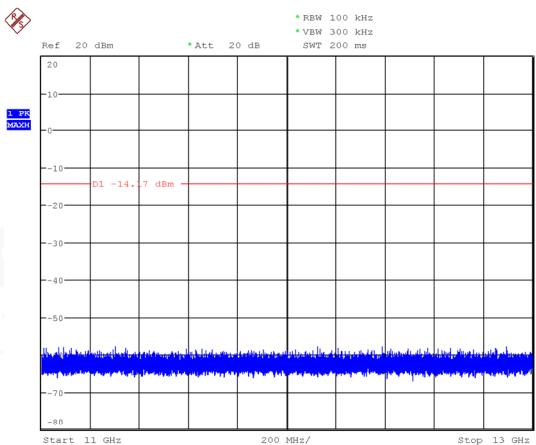
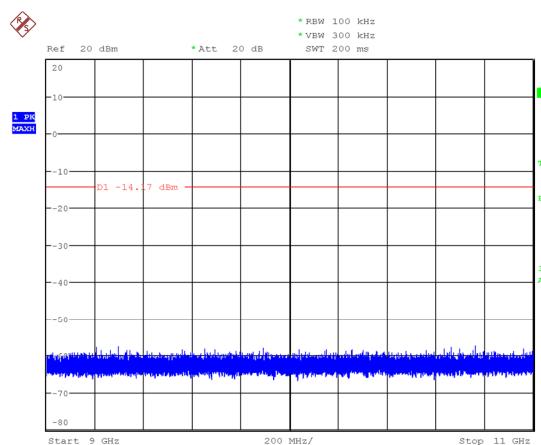
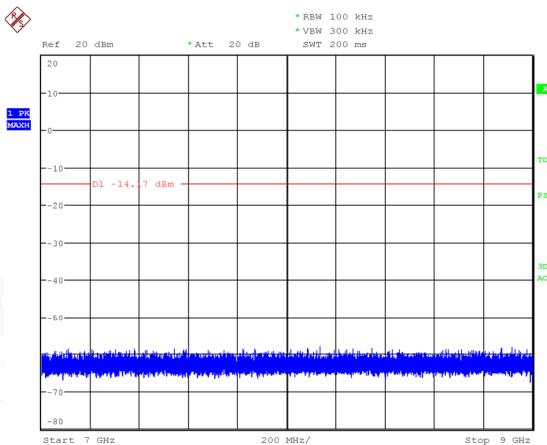
*Note: All other emissions have more than 20 dB margin.*

[Chart] Tx 2441MHz 2Mbps



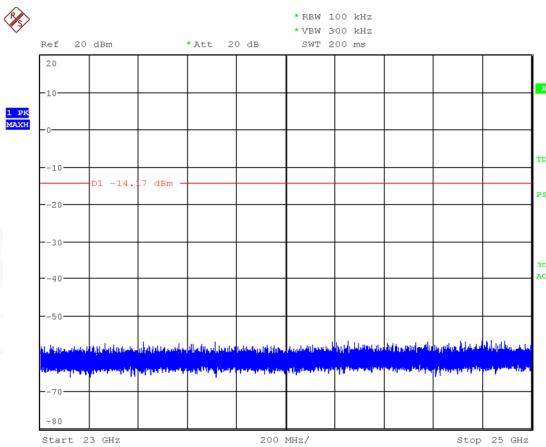
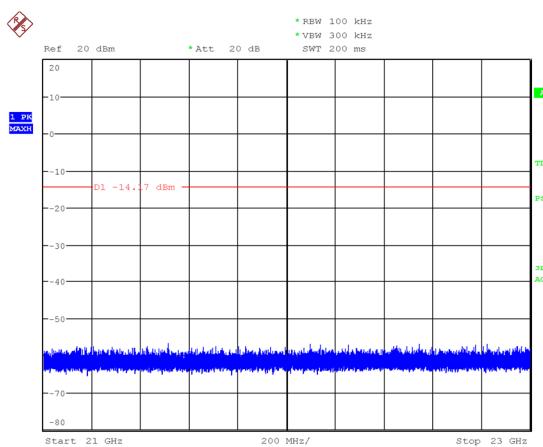
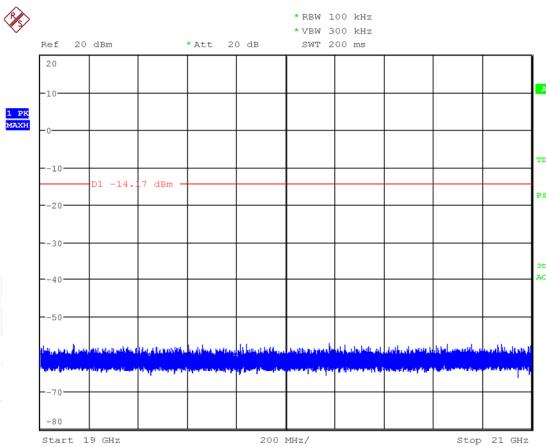
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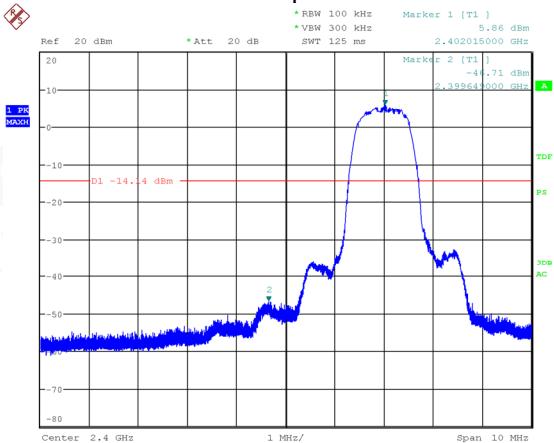


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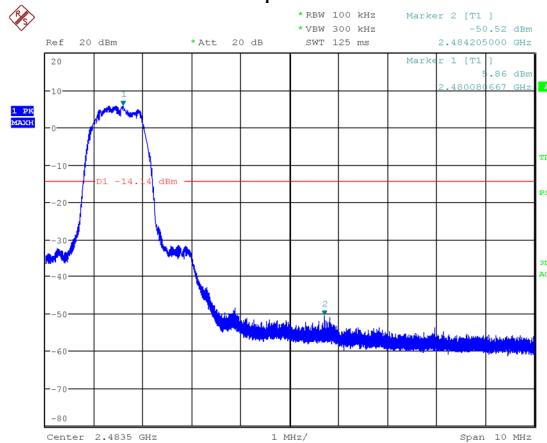
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[Band edge]

Tx 2402MHz 2Mbps



Tx 2480MHz 3Mbps



Tested Date: 22 Apr. 2025  
 Humidity: 49 %

Temperature: 20 degC  
 Atmos. Press: 1015 hPa

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## 2.7 Radiated emissions (for restricted frequency band)

### Test setup

Test setup was implemented according to the method of ANSI C63.10 clause 6.

### Test procedure

Measurement procedures were implemented according to the method of ANSI C63.10 clauses 6.

The test receiver is set as below

[9 - 150 kHz]  
RBW: 200 Hz, Detector: QP

[150 kHz - 30 MHz]  
RBW: 9 kHz, Detector: QP

[30 - 1000 MHz]  
RBW: 120 kHz, Detector: QP

[above 1000 MHz]  
RBW: 1 MHz, Detector: Ave/PK

### Applicable rule and limitation

RSS-Gen 8.10

FCC 15.205 restricted bands of operation

Except as shown in paragraph 15.205 (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
0.490 - 0.510	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	38.6 -

The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in FCC 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in FCC 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions.

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FCC 15.209 / RSS-Gen 8.9 Field strength limits

Frequency [MHz]	Field Strength [ $\mu$ V/m]	Measurement Distance [m]	Field Strength [dB $\mu$ V/m]
30 – 88	100	3	40.0
88 – 216	150	3	43.5
216 – 960	200	3	46.0
Above 960	500	3	53.9

In the emission table above, the tighter limit applies at the band edges.

The emission limits shown in the above table are based on measurements employing a quasi-peak detector.

**Test results - Complied with requirement**

**Test equipment used (refer to List of utilized test equipment)**

AC01	CL11	TR06	PR21	BA07	CL38	CL39	PR12
DH06	LP06	CL31	BRF12	HPF11	LPF1	AT17	AT33
SH01	SH05	-	-	-	-	-	-

**Test software used**

EMI1 Ver. 7.0

**Calculation method**

The Correction Factor and Result are calculated as followings.

Correction Factor [dB/m] = Ant. Factor [dB/m] + Loss [dB] – Gain [dB]

Result [dB $\mu$ V/m] = Reading [dB $\mu$ V] + Correction Factor [dB/m]

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**Test Data (below 1000MHz)**
*Configuration: 1*
*Operating mode: Tx 2402MHz 1Mbps X-plane*

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	450.364	39.6	16.5	10.9	30.2	36.8	46.0	9.2	Hori.
2	456.259	21.7	16.6	10.9	30.2	19.0	46.0	27.0	Hori.
3	458.915	21.7	16.7	10.9	30.2	19.1	46.0	26.9	Hori.
4	609.151	36.5	18.7	11.8	30.2	36.8	46.0	9.2	Hori.
5	550.825	30.9	18.8	11.5	30.2	31.0	46.0	15.0	Vert.
6	609.154	31.8	18.7	11.8	30.2	32.1	46.0	13.9	Vert.

*Operating mode: Tx 2402MHz 1Mbps Y-plane*

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	203.050	36.8	11.6	8.9	30.2	27.1	43.5	16.4	Hori.
2	452.474	21.5	16.5	10.9	30.2	18.7	46.0	27.3	Hori.
3	458.252	21.6	16.7	10.9	30.2	19.0	46.0	27.0	Hori.
4	609.157	30.4	18.7	11.8	30.2	30.7	46.0	15.3	Hori.
5	450.542	32.4	16.5	10.9	30.2	29.6	46.0	16.4	Vert.
6	609.154	31.2	18.7	11.8	30.2	31.5	46.0	14.5	Vert.

*Operating mode: Tx 2402MHz 1Mbps Z-plane*

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	609.143	34.3	18.7	11.8	30.2	34.6	46.0	11.4	Hori.
2	673.095	28.8	19.0	12.0	30.2	29.6	46.0	16.4	Hori.
3	451.168	21.7	16.5	10.9	30.2	18.9	46.0	27.1	Vert.
4	460.430	21.8	16.8	10.9	30.2	19.3	46.0	26.7	Vert.
5	550.857	29.2	18.8	11.5	30.2	29.3	46.0	16.7	Vert.
6	609.155	29.5	18.7	11.8	30.2	29.8	46.0	16.2	Vert.

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Operating mode: Tx 2441MHz 1Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	452.462	21.5	16.5	10.9	30.2	18.7	46.0	27.3	Hori.
2	460.238	21.7	16.8	10.9	30.2	19.2	46.0	26.8	Hori.
3	550.947	34.8	18.8	11.5	30.2	34.9	46.0	11.1	Hori.
4	609.164	25.9	18.7	11.8	30.2	26.2	46.0	19.8	Hori.
5	609.156	31.7	18.7	11.8	30.2	32.0	46.0	14.0	Vert.
6	673.247	26.8	19.0	12.0	30.2	27.6	46.0	18.4	Vert.

Operating mode: Tx 2441MHz 1Mbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	450.375	37.1	16.5	10.9	30.2	34.3	46.0	11.7	Hori.
2	457.910	21.6	16.7	10.9	30.2	19.0	46.0	27.0	Hori.
3	609.149	36.5	18.7	11.8	30.2	36.8	46.0	9.2	Hori.
4	609.156	36.8	18.7	11.8	30.2	37.1	46.0	8.9	Vert.
5	673.109	29.0	19.0	12.0	30.2	29.8	46.0	16.2	Vert.
6	687.643	21.3	19.0	12.1	30.2	22.2	46.0	23.8	Vert.

Operating mode: Tx 2441MHz 1Mbps Z-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	277.994	32.5	13.0	9.6	30.2	24.9	46.0	21.1	Hori.
2	281.994	34.4	12.9	9.7	30.2	26.8	46.0	19.2	Hori.
3	609.147	34.5	18.7	11.8	30.2	34.8	46.0	11.2	Hori.
4	450.339	38.9	16.5	10.9	30.2	36.1	46.0	9.9	Vert.
5	457.659	21.7	16.7	10.9	30.2	19.1	46.0	26.9	Vert.
6	609.145	39.2	18.7	11.8	30.2	39.5	46.0	6.5	Vert.

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Operating mode: Tx 2480MHz 1Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	224.324	34.5	12.4	9.2	30.2	25.9	46.0	20.1	Hori.
2	229.317	23.5	11.8	9.2	30.2	14.3	46.0	31.7	Hori.
3	609.151	31.9	18.7	11.8	30.2	32.2	46.0	13.8	Hori.
4	673.240	21.4	19.0	12.0	30.2	22.2	46.0	23.8	Hori.
5	450.282	31.9	16.5	10.9	30.2	29.1	46.0	16.9	Vert.
6	609.143	27.7	18.7	11.8	30.2	28.0	46.0	18.0	Vert.

Operating mode: Tx 2480MHz 1Mbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	450.259	37.5	16.5	10.9	30.2	34.7	46.0	11.3	Hori.
2	456.773	21.6	16.7	10.9	30.2	19.0	46.0	27.0	Hori.
3	609.146	32.6	18.7	11.8	30.2	32.9	46.0	13.1	Hori.
4	281.987	33.4	12.9	9.7	30.2	25.8	46.0	20.2	Vert.
5	460.306	21.7	16.8	10.9	30.2	19.2	46.0	26.8	Vert.
6	609.144	35.8	18.7	11.8	30.2	36.1	46.0	9.9	Vert.

Operating mode: Tx 2480MHz 1Mbps Z-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	281.995	36.0	12.9	9.7	30.2	28.4	46.0	17.6	Hori.
2	284.010	35.4	12.9	9.7	30.2	27.8	46.0	18.2	Hori.
3	609.143	35.1	18.7	11.8	30.2	35.4	46.0	10.6	Hori.
4	450.316	36.5	16.5	10.9	30.2	33.7	46.0	12.3	Vert.
5	609.143	32.2	18.7	11.8	30.2	32.5	46.0	13.5	Vert.
6	672.965	24.5	19.0	12.0	30.2	25.3	46.0	20.7	Vert.

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Operating mode: Tx 2402MHz 2Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	203.040	34.4	11.6	8.9	30.2	24.7	43.5	18.8	Hori.
2	280.000	33.5	12.9	9.6	30.2	25.8	46.0	20.2	Hori.
3	458.184	21.6	16.7	10.9	30.2	19.0	46.0	27.0	Hori.
4	609.140	37.0	18.7	11.8	30.2	37.3	46.0	8.7	Hori.
5	450.295	36.4	16.5	10.9	30.2	33.6	46.0	12.4	Vert.
6	609.136	28.4	18.7	11.8	30.2	28.7	46.0	17.3	Vert.

Operating mode: Tx 2402MHz 2Mbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	203.031	37.6	11.6	8.9	30.2	27.9	43.5	15.6	Hori.
2	450.227	37.3	16.5	10.9	30.2	34.5	46.0	11.5	Hori.
3	455.016	21.6	16.6	10.9	30.2	18.9	46.0	27.1	Hori.
4	609.105	32.8	18.7	11.8	30.2	33.1	46.0	12.9	Hori.
5	609.116	33.8	18.7	11.8	30.2	34.1	46.0	11.9	Vert.
6	672.908	30.6	19.0	12.0	30.2	31.4	46.0	14.6	Vert.

Operating mode: Tx 2402MHz 2Mbps Z-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	450.232	35.2	16.5	10.9	30.2	32.4	46.0	13.6	Hori.
2	457.533	21.6	16.7	10.9	30.2	19.0	46.0	27.0	Hori.
3	609.118	34.5	18.7	11.8	30.2	34.8	46.0	11.2	Hori.
4	450.237	38.1	16.5	10.9	30.2	35.3	46.0	10.7	Vert.
5	457.712	21.7	16.7	10.9	30.2	19.1	46.0	26.9	Vert.
6	609.128	31.7	18.7	11.8	30.2	32.0	46.0	14.0	Vert.

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Operating mode: Tx 2441MHz 2Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	203.033	34.8	11.6	8.9	30.2	25.1	43.5	18.4	Hori.
2	280.000	34.8	12.9	9.6	30.2	27.1	46.0	18.9	Hori.
3	282.000	34.4	12.9	9.7	30.2	26.8	46.0	19.2	Hori.
4	459.616	21.8	16.8	10.9	30.2	19.3	46.0	26.7	Hori.
5	609.124	36.4	18.7	11.8	30.2	36.7	46.0	9.3	Hori.
6	609.144	30.3	18.7	11.8	30.2	30.6	46.0	15.4	Vert.

Operating mode: Tx 2441MHz 2Mbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	203.048	37.3	11.6	8.9	30.2	27.6	43.5	15.9	Hori.
2	459.980	21.8	16.8	10.9	30.2	19.3	46.0	26.7	Hori.
3	550.527	35.8	18.8	11.5	30.2	35.9	46.0	10.1	Hori.
4	609.151	32.5	18.7	11.8	30.2	32.8	46.0	13.2	Hori.
5	288.001	30.0	12.8	9.7	30.2	22.3	46.0	23.7	Vert.
6	609.146	31.4	18.7	11.8	30.2	31.7	46.0	14.3	Vert.

Operating mode: Tx 2441MHz 2Mbps Z-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	287.992	33.5	12.8	9.7	30.2	25.8	46.0	20.2	Hori.
2	460.174	21.6	16.8	10.9	30.2	19.1	46.0	26.9	Hori.
3	609.150	34.0	18.7	11.8	30.2	34.3	46.0	11.7	Hori.
4	450.253	37.1	16.5	10.9	30.2	34.3	46.0	11.7	Vert.
5	550.547	36.1	18.8	11.5	30.2	36.2	46.0	9.8	Vert.
6	609.144	29.9	18.7	11.8	30.2	30.2	46.0	15.8	Vert.

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Operating mode: Tx 2480MHz 2Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	279.995	34.5	12.9	9.6	30.2	26.8	46.0	19.2	Hori.
2	450.349	38.7	16.5	10.9	30.2	35.9	46.0	10.1	Hori.
3	451.598	21.8	16.5	10.9	30.2	19.0	46.0	27.0	Hori.
4	457.969	21.9	16.7	10.9	30.2	19.3	46.0	26.7	Hori.
5	609.157	36.4	18.7	11.8	30.2	36.7	46.0	9.3	Hori.
6	609.159	28.4	18.7	11.8	30.2	28.7	46.0	17.3	Vert.

Operating mode: Tx 2480MHz 2Mbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	450.308	38.8	16.5	10.9	30.2	36.0	46.0	10.0	Hori.
2	458.782	21.7	16.7	10.9	30.2	19.1	46.0	26.9	Hori.
3	609.148	34.0	18.7	11.8	30.2	34.3	46.0	11.7	Hori.
4	688.027	21.9	19.0	12.1	30.2	22.8	46.0	23.2	Hori.
5	609.153	31.4	18.7	11.8	30.2	31.7	46.0	14.3	Vert.
6	687.323	21.3	19.0	12.1	30.2	22.2	46.0	23.8	Vert.

Operating mode: Tx 2480MHz 2Mbps Z-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	284.014	32.5	12.9	9.7	30.2	24.9	46.0	21.1	Hori.
2	609.157	34.6	18.7	11.8	30.2	34.9	46.0	11.1	Hori.
3	687.422	21.3	19.0	12.1	30.2	22.2	46.0	23.8	Hori.
4	456.916	21.7	16.7	10.9	30.2	19.1	46.0	26.9	Vert.
5	550.548	37.9	18.8	11.5	30.2	38.0	46.0	8.0	Vert.
6	609.152	30.3	18.7	11.8	30.2	30.6	46.0	15.4	Vert.

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Operating mode: Tx 2402MHz 3Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	450.525	38.2	16.5	10.9	30.2	35.4	46.0	10.6	Hori.
2	460.492	22.0	16.8	10.9	30.2	19.5	46.0	26.5	Hori.
3	609.110	33.2	18.7	11.8	30.2	33.5	46.0	12.5	Hori.
4	639.046	21.4	19.0	11.9	30.2	22.1	46.0	23.9	Hori.
5	460.411	21.6	16.8	10.9	30.2	19.1	46.0	26.9	Vert.
6	609.119	27.3	18.7	11.8	30.2	27.6	46.0	18.4	Vert.

Operating mode: Tx 2402MHz 3Mbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	203.039	36.9	11.6	8.9	30.2	27.2	43.5	16.3	Hori.
2	460.236	21.8	16.8	10.9	30.2	19.3	46.0	26.7	Hori.
3	609.120	33.1	18.7	11.8	30.2	33.4	46.0	12.6	Hori.
4	673.138	26.5	19.0	12.0	30.2	27.3	46.0	18.7	Hori.
5	450.415	34.6	16.5	10.9	30.2	31.8	46.0	14.2	Vert.
6	609.122	34.4	18.7	11.8	30.2	34.7	46.0	11.3	Vert.

Operating mode: Tx 2402MHz 3Mbps Z-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	286.000	32.4	12.9	9.7	30.2	24.8	46.0	21.2	Hori.
2	609.110	33.5	18.7	11.8	30.2	33.8	46.0	12.2	Hori.
3	450.363	39.0	16.5	10.9	30.2	36.2	46.0	9.8	Vert.
4	456.470	21.7	16.6	10.9	30.2	19.0	46.0	27.0	Vert.
5	457.948	21.8	16.7	10.9	30.2	19.2	46.0	26.8	Vert.
6	460.457	21.8	16.8	10.9	30.2	19.3	46.0	26.7	Vert.
1	286.000	32.4	12.9	9.7	30.2	24.8	46.0	21.2	Hori.

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Operating mode: Tx 2441MHz 3Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	224.347	40.2	12.4	9.2	30.2	31.6	46.0	14.4	Hori.
2	226.974	29.9	12.1	9.2	30.2	21.0	46.0	25.0	Hori.
3	227.972	33.9	11.9	9.2	30.2	24.8	46.0	21.2	Hori.
4	450.334	36.4	16.5	10.9	30.2	33.6	46.0	12.4	Hori.
5	457.167	21.7	16.7	10.9	30.2	19.1	46.0	26.9	Hori.
6	609.119	31.8	18.7	11.8	30.2	32.1	46.0	13.9	Hori.

Operating mode: Tx 2441MHz 3Mbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	203.042	37.4	11.6	8.9	30.2	27.7	43.5	15.8	Hori.
2	450.350	36.8	16.5	10.9	30.2	34.0	46.0	12.0	Hori.
3	609.122	32.9	18.7	11.8	30.2	33.2	46.0	12.8	Hori.
4	673.078	30.2	19.0	12.0	30.2	31.0	46.0	15.0	Hori.
5	458.340	21.6	16.7	10.9	30.2	19.0	46.0	27.0	Vert.
6	609.121	34.1	18.7	11.8	30.2	34.4	46.0	11.6	Vert.

Operating mode: Tx 2441MHz 3Mbps Z-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	450.432	35.7	16.5	10.9	30.2	32.9	46.0	13.1	Hori.
2	609.111	32.3	18.7	11.8	30.2	32.6	46.0	13.4	Hori.
3	450.429	37.8	16.5	10.9	30.2	35.0	46.0	11.0	Vert.
4	457.756	21.7	16.7	10.9	30.2	19.1	46.0	26.9	Vert.
5	609.129	29.3	18.7	11.8	30.2	29.6	46.0	16.4	Vert.
6	673.186	26.4	19.0	12.0	30.2	27.2	46.0	18.8	Vert.

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Operating mode: Tx 2480MHz 3Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	227.983	33.3	11.9	9.2	30.2	24.2	46.0	21.8	Hori.
2	450.308	36.0	16.5	10.9	30.2	33.2	46.0	12.8	Hori.
3	458.957	21.8	16.7	10.9	30.2	19.2	46.0	26.8	Hori.
4	550.786	31.3	18.8	11.5	30.2	31.4	46.0	14.6	Hori.
5	609.129	31.3	18.7	11.8	30.2	31.6	46.0	14.4	Hori.
6	609.116	27.6	18.7	11.8	30.2	27.9	46.0	18.1	Vert.

Operating mode: Tx 2480MHz 3Mbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	450.313	38.2	16.5	10.9	30.2	35.4	46.0	10.6	Hori.
2	456.752	21.7	16.7	10.9	30.2	19.1	46.0	26.9	Hori.
3	609.114	35.5	18.7	11.8	30.2	35.8	46.0	10.2	Hori.
4	685.840	21.5	19.0	12.1	30.2	22.4	46.0	23.6	Hori.
5	450.347	35.5	16.5	10.9	30.2	32.7	46.0	13.3	Vert.
6	609.129	33.8	18.7	11.8	30.2	34.1	46.0	11.9	Vert.

Operating mode: Tx 2480MHz 3Mbps Z-plane

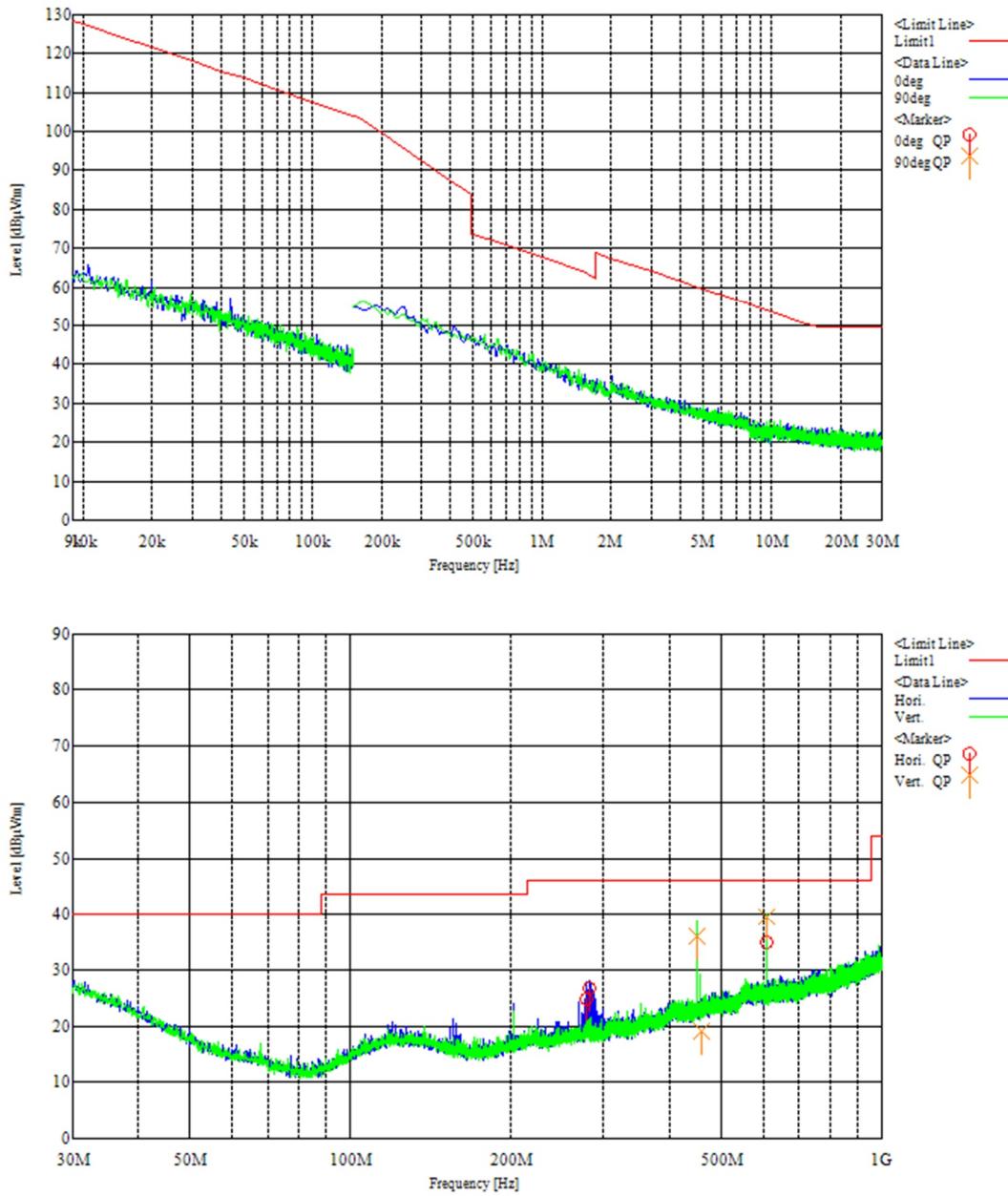
[Emission level]

No.	Frequency [MHz]	Reading [dB $\mu$ V]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Ant.
1	282.000	34.9	12.9	9.7	30.2	27.3	46.0	18.7	Hori.
2	450.303	33.7	16.5	10.9	30.2	30.9	46.0	15.1	Hori.
3	609.128	34.7	18.7	11.8	30.2	35.0	46.0	11.0	Hori.
4	450.362	32.0	16.5	10.9	30.2	29.2	46.0	16.8	Vert.
5	460.282	21.9	16.8	10.9	30.2	19.4	46.0	26.6	Vert.
6	609.118	29.9	18.7	11.8	30.2	30.2	46.0	15.8	Vert.

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[Chart] Tx 2441MHz 1Mbps Z-plane



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[Day1]

Tested Date:	04 Apr. 2025	Temperature:	19 degC
Humidity:	47 %	Atmos. Press:	1012 hPa

[Day2]

Tested Date:	07 Apr. 2025	Temperature:	19 degC
Humidity:	52 %	Atmos. Press:	1012 hPa

[Day3]

Tested Date:	21 Apr. 2025	Temperature:	19 degC
Humidity:	55 %	Atmos. Press:	1014 hPa

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**Test Data (above 1000MHz)**
*Configuration: 1*
*Operating mode: Tx 2402MHz 1Mbps X-plane*
*[Emission level]*

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3857.965	47.8	38.0	0.1	47.9	38.1	73.9	53.9	26.0	15.8	Hori.
2	4510.211	47.5	37.4	1.4	48.9	38.8	73.9	53.9	25.0	15.1	Vert.
3	4803.897	46.6	39.1	2.3	48.9	41.4	73.9	53.9	25.0	12.5	Vert.
4	4873.199	47.6	38.7	2.8	50.4	41.5	73.9	53.9	23.5	12.4	Vert.
5	5076.258	46.5	36.6	3.3	49.8	39.9	73.9	53.9	24.1	14.0	Vert.
6	9137.253	42.7	29.2	9.5	52.2	38.7	73.9	53.9	21.7	15.2	Vert.

*Operating mode: Tx 2402MHz 1Mbps Y-plane*
*[Emission level]*

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3815.294	50.4	29.3	0.0	50.4	29.3	73.9	53.9	23.5	24.6	Hori.
2	3857.947	50.7	42.2	0.1	50.8	42.3	73.9	53.9	23.1	11.6	Hori.
3	4510.204	47.5	37.7	1.4	48.9	39.1	73.9	53.9	25.0	14.8	Hori.
4	4873.200	49.3	40.6	2.8	52.1	43.4	73.9	53.9	21.8	10.5	Hori.
5	4670.151	46.0	35.4	1.7	47.7	37.1	73.9	53.9	26.2	16.8	Vert.
6	7512.851	43.7	32.4	7.6	51.3	40.0	73.9	53.9	22.6	13.9	Vert.

*Operating mode: Tx 2402MHz 1Mbps Z-plane*
*[Emission level]*

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3857.942	47.5	37.7	0.1	47.6	37.8	73.9	53.9	26.3	16.1	Hori.
2	4670.138	47.5	38.1	1.7	49.2	39.8	73.9	53.9	24.7	14.1	Hori.
3	4873.201	46.3	36.6	2.8	49.1	39.4	73.9	53.9	24.8	14.5	Hori.
4	5076.233	46.3	36.2	3.3	49.6	39.5	73.9	53.9	24.3	14.4	Hori.
5	9137.233	42.3	30.1	9.5	51.8	39.6	73.9	53.9	22.1	14.3	Hori.
6	3857.940	50.1	40.9	0.1	50.2	41.0	73.9	53.9	23.7	12.9	Vert.

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Operating mode: Tx 2441MHz 1Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	4873.190	45.7	35.8	2.8	48.5	38.6	73.9	53.9	25.4	15.3	Hori.
2	7323.062	43.0	32.7	7.3	50.3	40.0	73.9	53.9	23.6	13.9	Hori.
3	3855.808	53.3	29.7	0.1	53.4	29.8	73.9	53.9	20.5	24.1	Vert.
4	4873.218	47.6	38.5	2.8	50.4	41.3	73.9	53.9	23.5	12.6	Vert.
5	5076.247	46.4	36.5	3.3	49.7	39.8	73.9	53.9	24.2	14.1	Vert.
6	7322.938	44.7	37.3	7.3	52.0	44.6	73.9	53.9	21.9	9.3	Vert.

Operating mode: Tx 2441MHz 1Mbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3857.950	51.2	42.0	0.1	51.3	42.1	73.9	53.9	22.6	11.8	Hori.
2	4510.207	47.5	37.3	1.4	48.9	38.7	73.9	53.9	25.0	15.2	Hori.
3	4873.218	48.4	39.7	2.8	51.2	42.5	73.9	53.9	22.7	11.4	Hori.
4	7322.851	44.4	36.2	7.3	51.7	43.5	73.9	53.9	22.2	10.4	Hori.
5	7322.882	44.5	35.7	7.3	51.8	43.0	73.9	53.9	22.1	10.9	Vert.
6	9137.253	42.4	29.6	9.5	51.9	39.1	73.9	53.9	22.0	14.8	Vert.

Operating mode: Tx 2441MHz 1Mbps Z-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	4670.098	47.6	38.5	1.7	49.3	40.2	73.9	53.9	24.6	13.7	Hori.
2	4873.137	46.3	36.6	2.8	49.1	39.4	73.9	53.9	24.8	14.5	Hori.
3	5076.163	46.2	36.1	3.3	49.5	39.4	73.9	53.9	24.4	14.5	Hori.
4	7323.164	44.6	36.6	7.3	51.9	43.9	73.9	53.9	22.0	10.0	Hori.
5	3855.096	55.4	29.0	0.1	55.5	29.1	73.9	53.9	18.4	24.8	Vert.
6	7322.962	44.1	36.3	7.3	51.4	43.6	73.9	53.9	22.5	10.3	Vert.

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Operating mode: Tx 2480MHz 1Mbps X-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	7440.230	44.3	32.7	7.7	52.0	40.4	73.9	53.9	21.9	13.5	Hori.
2	4873.193	47.6	38.4	2.8	50.4	41.2	73.9	53.9	23.5	12.7	Vert.
3	5076.246	46.9	36.5	3.3	50.2	39.8	73.9	53.9	23.7	14.1	Vert.
4	7440.021	44.7	36.0	7.7	52.4	43.7	73.9	53.9	21.5	10.2	Vert.
5	9137.240	42.0	29.4	9.5	51.5	38.9	73.9	53.9	22.4	15.0	Vert.
6	9396.499	41.4	28.5	9.6	51.0	38.1	73.9	53.9	22.9	15.8	Vert.

Operating mode: Tx 2480MHz 1Mbps Y-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3857.948	50.4	41.6	0.1	50.5	41.7	73.9	53.9	23.4	12.2	Hori.
2	4510.181	47.2	37.4	1.4	48.6	38.8	73.9	53.9	25.3	15.1	Hori.
3	4873.186	48.3	39.4	2.8	51.1	42.2	73.9	53.9	22.8	11.7	Hori.
4	7440.131	45.2	37.0	7.7	52.9	44.7	73.9	53.9	21.0	9.2	Hori.
5	7440.130	44.9	36.3	7.7	52.6	44.0	73.9	53.9	21.3	9.9	Vert.
6	9151.074	43.1	27.5	9.6	52.7	37.1	73.9	53.9	21.2	16.8	Vert.

Operating mode: Tx 2480MHz 1Mbps Z-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	4670.141	47.5	38.2	1.7	49.2	39.9	73.9	53.9	24.7	14.0	Hori.
2	5076.315	46.3	36.2	3.3	49.6	39.5	73.9	53.9	24.3	14.4	Hori.
3	7439.936	44.8	36.4	7.7	52.5	44.1	73.9	53.9	21.4	9.8	Hori.
4	9137.155	42.7	30.1	9.5	52.2	39.6	73.9	53.9	21.7	14.3	Hori.
5	3853.903	55.2	29.3	0.1	55.3	29.4	73.9	53.9	18.6	24.5	Vert.
6	7439.992	44.6	36.0	7.7	52.3	43.7	73.9	53.9	21.6	10.2	Vert.

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Operating mode: Tx 2402MHz 2Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	4873.218	45.7	35.4	2.8	48.5	38.2	73.9	53.9	25.4	15.7	Hori.
2	3853.554	51.6	29.3	0.1	51.7	29.4	73.9	53.9	22.2	24.5	Vert.
3	4873.144	47.7	38.5	2.8	50.5	41.3	73.9	53.9	23.4	12.6	Vert.
4	5076.204	46.5	36.6	3.3	49.8	39.9	73.9	53.9	24.1	14.0	Vert.
5	9020.382	42.0	29.9	9.2	51.2	39.1	73.9	53.9	22.7	14.8	Vert.
6	9137.280	42.9	29.3	9.5	52.4	38.8	73.9	53.9	21.5	15.1	Vert.

Operating mode: Tx 2402MHz 2Mbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3857.949	50.3	41.9	0.1	50.4	42.0	73.9	53.9	23.5	11.9	Hori.
2	4510.201	46.6	36.8	1.4	48.0	38.2	73.9	53.9	25.9	15.7	Hori.
3	4873.197	48.5	39.8	2.8	51.3	42.6	73.9	53.9	22.6	11.3	Hori.
4	4873.208	45.8	35.8	2.8	48.6	38.6	73.9	53.9	25.3	15.3	Vert.
5	7512.797	43.6	32.0	7.6	51.2	39.6	73.9	53.9	22.7	14.3	Vert.
6	9137.199	42.2	29.3	9.5	51.7	38.8	73.9	53.9	22.2	15.1	Vert.

Operating mode: Tx 2402MHz 2Mbps Z-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3853.741	52.8	29.7	0.1	52.9	29.8	73.9	53.9	21.0	24.1	Hori.
2	4670.153	46.7	37.1	1.7	48.4	38.8	73.9	53.9	25.5	15.1	Hori.
3	4873.200	46.3	36.4	2.8	49.1	39.2	73.9	53.9	24.8	14.7	Hori.
4	5076.235	46.7	36.3	3.3	50.0	39.6	73.9	53.9	23.9	14.3	Hori.
5	9020.407	42.2	29.8	9.2	51.4	39.0	73.9	53.9	22.5	14.9	Hori.
6	3857.945	48.8	39.4	0.1	48.9	39.5	73.9	53.9	25.0	14.4	Vert.

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Operating mode: Tx 2441MHz 2Mbps X-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3853.751	52.5	29.6	0.1	52.6	29.7	73.9	53.9	21.3	24.2	Vert.
2	4510.186	47.4	37.3	1.4	48.8	38.7	73.9	53.9	25.1	15.2	Vert.
3	4873.198	48.0	38.8	2.8	50.8	41.6	73.9	53.9	23.1	12.3	Vert.
4	5076.257	46.8	36.3	3.3	50.1	39.6	73.9	53.9	23.8	14.3	Vert.
5	7323.021	43.6	34.7	7.3	50.9	42.0	73.9	53.9	23.0	11.9	Vert.
6	9020.281	41.6	29.3	9.2	50.8	38.5	73.9	53.9	23.1	15.4	Vert.

Operating mode: Tx 2441MHz 2Mbps Y-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3853.738	54.7	29.6	0.1	54.8	29.7	73.9	53.9	19.1	24.2	Hori.
2	4873.191	48.7	39.9	2.8	51.5	42.7	73.9	53.9	22.4	11.2	Hori.
3	7322.970	42.7	32.2	7.3	50.0	39.5	73.9	53.9	23.9	14.4	Hori.
4	8257.862	41.6	26.7	8.3	49.9	35.0	73.9	53.9	24.0	18.9	Hori.
5	7322.923	43.1	34.0	7.3	50.4	41.3	73.9	53.9	23.5	12.6	Vert.
6	9137.258	42.4	29.5	9.5	51.9	39.0	73.9	53.9	22.0	14.9	Vert.

Operating mode: Tx 2441MHz 2Mbps Z-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	4670.112	47.3	38.4	1.7	49.0	40.1	73.9	53.9	24.9	13.8	Hori.
2	4873.181	46.4	36.4	2.8	49.2	39.2	73.9	53.9	24.7	14.7	Hori.
3	5076.280	46.0	35.9	3.3	49.3	39.2	73.9	53.9	24.6	14.7	Hori.
4	7323.127	43.6	34.5	7.3	50.9	41.8	73.9	53.9	23.0	12.1	Hori.
5	3853.703	54.3	29.1	0.1	54.4	29.2	73.9	53.9	19.5	24.7	Vert.
6	7323.090	42.6	32.8	7.3	49.9	40.1	73.9	53.9	24.0	13.8	Vert.

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Operating mode: Tx 2480MHz 2Mbps X-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	7440.243	43.6	32.8	7.7	51.3	40.5	73.9	53.9	22.6	13.4	Hori.
2	3768.084	54.6	29.3	-0.3	54.3	29.0	73.9	53.9	19.6	24.9	Vert.
3	3857.952	48.6	39.2	0.1	48.7	39.3	73.9	53.9	25.2	14.6	Vert.
4	4873.204	47.4	38.3	2.8	50.2	41.1	73.9	53.9	23.7	12.8	Vert.
5	5076.256	46.6	36.8	3.3	49.9	40.1	73.9	53.9	24.0	13.8	Vert.
6	7440.152	44.6	33.4	7.7	52.3	41.1	73.9	53.9	21.6	12.8	Vert.

Operating mode: Tx 2480MHz 2Mbps Y-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3857.946	50.4	41.1	0.1	50.5	41.2	73.9	53.9	23.4	12.7	Hori.
2	4510.185	47.0	36.9	1.4	48.4	38.3	73.9	53.9	25.5	15.6	Hori.
3	4873.180	48.6	39.8	2.8	51.4	42.6	73.9	53.9	22.5	11.3	Hori.
4	7440.148	44.5	34.4	7.7	52.2	42.1	73.9	53.9	21.7	11.8	Hori.
5	7440.225	44.5	34.3	7.7	52.2	42.0	73.9	53.9	21.7	11.9	Vert.
6	9137.208	42.4	29.3	9.5	51.9	38.8	73.9	53.9	22.0	15.1	Vert.

Operating mode: Tx 2480MHz 2Mbps Z-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	4670.122	47.3	38.4	1.7	49.0	40.1	73.9	53.9	24.9	13.8	Hori.
2	4873.242	45.9	36.3	2.8	48.7	39.1	73.9	53.9	25.2	14.8	Hori.
3	5076.180	46.3	35.9	3.3	49.6	39.2	73.9	53.9	24.3	14.7	Hori.
4	7440.049	44.3	34.7	7.7	52.0	42.4	73.9	53.9	21.9	11.5	Hori.
5	3857.744	48.8	39.4	0.1	48.9	39.5	73.9	53.9	25.0	14.4	Vert.
6	7440.140	43.7	33.6	7.7	51.4	41.3	73.9	53.9	22.5	12.6	Vert.

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Operating mode: Tx 2402MHz 3Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	4873.182	45.3	35.2	2.8	48.1	38.0	73.9	53.9	25.8	15.9	Hori.
2	3854.986	53.0	29.3	0.1	53.1	29.4	73.9	53.9	20.8	24.5	Vert.
3	4873.204	48.0	38.6	2.8	50.8	41.4	73.9	53.9	23.1	12.5	Vert.
4	5076.227	46.5	36.7	3.3	49.8	40.0	73.9	53.9	24.1	13.9	Vert.
5	9020.371	42.0	29.4	9.2	51.2	38.6	73.9	53.9	22.7	15.3	Vert.
6	9137.145	42.4	29.3	9.5	51.9	38.8	73.9	53.9	22.0	15.1	Vert.

Operating mode: Tx 2402MHz 3Mbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3857.957	49.8	41.3	0.1	49.9	41.4	73.9	53.9	24.0	12.5	Hori.
2	4510.229	46.3	36.0	1.4	47.7	37.4	73.9	53.9	26.2	16.5	Hori.
3	4873.203	47.2	37.6	2.8	50.0	40.4	73.9	53.9	23.9	13.5	Hori.
4	9020.379	42.0	29.1	9.2	51.2	38.3	73.9	53.9	22.7	15.6	Hori.
5	4873.207	45.6	35.6	2.8	48.4	38.4	73.9	53.9	25.5	15.5	Vert.
6	9137.249	42.4	29.2	9.5	51.9	38.7	73.9	53.9	22.0	15.2	Vert.

Operating mode: Tx 2402MHz 3Mbps Z-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3856.166	53.4	29.7	0.1	53.5	29.8	73.9	53.9	20.4	24.1	Hori.
2	4670.147	46.8	37.5	1.7	48.5	39.2	73.9	53.9	25.4	14.7	Hori.
3	4873.204	47.4	38.2	2.8	50.2	41.0	73.9	53.9	23.7	12.9	Hori.
4	5076.238	46.3	36.4	3.3	49.6	39.7	73.9	53.9	24.3	14.2	Hori.
5	9137.249	42.2	29.8	9.5	51.7	39.3	73.9	53.9	22.2	14.6	Hori.
6	3855.823	52.9	29.1	0.1	53.0	29.2	73.9	53.9	20.9	24.7	Vert.

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Operating mode: Tx 2441MHz 3Mbps X-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	7322.940	42.4	31.6	7.3	49.7	38.9	73.9	53.9	24.2	15.0	Hori.
2	3853.841	52.5	29.2	0.1	52.6	29.3	73.9	53.9	21.3	24.6	Vert.
3	4873.249	47.7	38.8	2.8	50.5	41.6	73.9	53.9	23.4	12.3	Vert.
4	5076.239	46.7	36.7	3.3	50.0	40.0	73.9	53.9	23.9	13.9	Vert.
5	7323.051	43.9	33.8	7.3	51.2	41.1	73.9	53.9	22.7	12.8	Vert.
6	9137.237	42.1	29.3	9.5	51.6	38.8	73.9	53.9	22.3	15.1	Vert.

Operating mode: Tx 2441MHz 3Mbps Y-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3853.821	54.8	29.5	0.1	54.9	29.6	73.9	53.9	19.0	24.3	Hori.
2	3857.948	49.7	41.0	0.1	49.8	41.1	73.9	53.9	24.1	12.8	Hori.
3	4873.183	47.2	37.8	2.8	50.0	40.6	73.9	53.9	23.9	13.3	Hori.
4	7323.036	43.9	32.1	7.3	51.2	39.4	73.9	53.9	22.7	14.5	Hori.
5	7322.913	44.6	35.1	7.3	51.9	42.4	73.9	53.9	22.0	11.5	Vert.
6	9137.242	42.7	29.2	9.5	52.2	38.7	73.9	53.9	21.7	15.2	Vert.

Operating mode: Tx 2441MHz 3Mbps Z-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3853.719	53.3	29.7	0.1	53.4	29.8	73.9	53.9	20.5	24.1	Hori.
2	4873.216	47.3	38.1	2.8	50.1	40.9	73.9	53.9	23.8	13.0	Hori.
3	5076.242	46.4	36.5	3.3	49.7	39.8	73.9	53.9	24.2	14.1	Hori.
4	7323.058	44.5	33.4	7.3	51.8	40.7	73.9	53.9	22.1	13.2	Hori.
5	3853.524	52.7	29.1	0.1	52.8	29.2	73.9	53.9	21.1	24.7	Vert.
6	7323.072	43.5	32.6	7.3	50.8	39.9	73.9	53.9	23.1	14.0	Vert.

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Operating mode: Tx 2480MHz 3Mbps X-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3853.604	53.1	29.6	0.1	53.2	29.7	73.9	53.9	20.7	24.2	Vert.
2	4873.193	47.4	38.2	2.8	50.2	41.0	73.9	53.9	23.7	12.9	Vert.
3	5076.257	46.4	36.8	3.3	49.7	40.1	73.9	53.9	24.2	13.8	Vert.
4	7440.051	44.1	33.0	7.7	51.8	40.7	73.9	53.9	22.1	13.2	Vert.
5	9020.417	42.0	30.1	9.2	51.2	39.3	73.9	53.9	22.7	14.6	Vert.
6	9137.244	42.3	29.4	9.5	51.8	38.9	73.9	53.9	22.1	15.0	Vert.

Operating mode: Tx 2480MHz 3Mbps Y-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3720.049	47.1	39.0	-0.3	46.8	38.7	73.9	53.9	27.1	15.2	Hori.
2	3853.313	53.1	29.1	0.1	53.2	29.2	73.9	53.9	20.7	24.7	Hori.
3	4873.181	46.9	37.9	2.8	49.7	40.7	73.9	53.9	24.2	13.2	Hori.
4	7440.248	44.6	33.7	7.7	52.3	41.4	73.9	53.9	21.6	12.5	Hori.
5	7440.034	45.7	35.2	7.7	53.4	42.9	73.9	53.9	20.5	11.0	Vert.
6	7513.001	43.3	31.2	7.6	50.9	38.8	73.9	53.9	23.0	15.1	Vert.

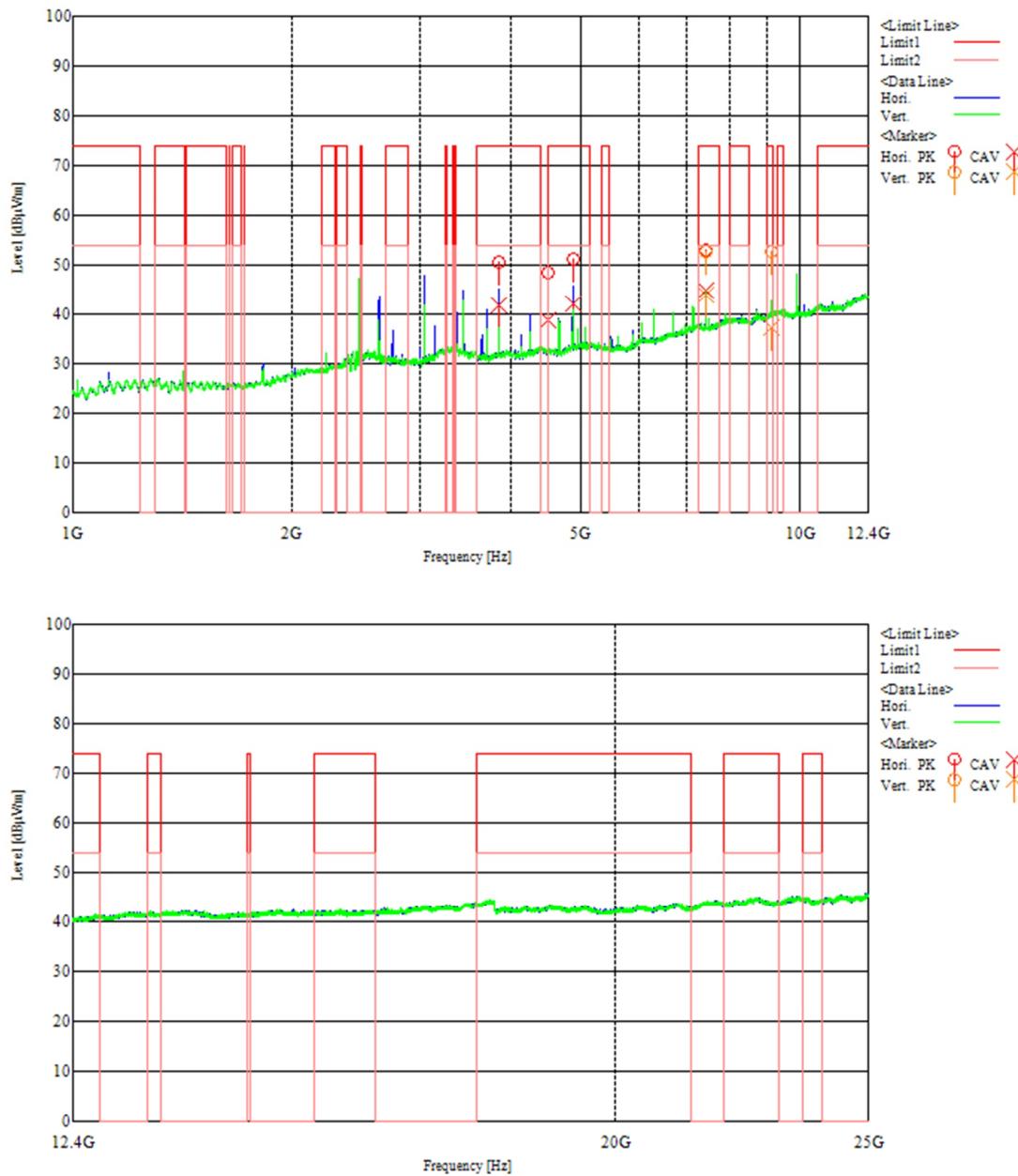
Operating mode: Tx 2480MHz 3Mbps Z-plane  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	3853.604	53.3	29.3	0.1	53.4	29.4	73.9	53.9	20.5	24.5	Hori.
2	4670.157	46.9	37.5	1.7	48.6	39.2	73.9	53.9	25.3	14.7	Hori.
3	4873.196	47.6	38.0	2.8	50.4	40.8	73.9	53.9	23.5	13.1	Hori.
4	5076.249	46.5	36.3	3.3	49.8	39.6	73.9	53.9	24.1	14.3	Hori.
5	7439.959	45.3	34.9	7.7	53.0	42.6	73.9	53.9	20.9	11.3	Hori.
6	3857.958	48.5	39.0	0.1	48.6	39.1	73.9	53.9	25.3	14.8	Vert.

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[Chart] Tx 2480MHz 1Mbps Y-plane



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[Day1]

Tested Date:	02 Apr. 2025	Temperature:	18 degC
Humidity:	50 %	Atmos. Press:	1014 hPa

[Day2]

Tested Date:	03 Apr. 2025	Temperature:	18 degC
Humidity:	51 %	Atmos. Press:	1013 hPa

[Day3]

Tested Date:	21 Apr. 2025	Temperature:	19 degC
Humidity:	55 %	Atmos. Press:	1014 hPa

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**Test Data (Restricted band edge)**
*Configuration: 1*
*Operating mode: Tx 2402MHz 1Mbps X-plane*
*[Emission level]*

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	45.1	31.2	4.9	50.0	36.1	73.9	53.9	23.9	17.8	Hori.
2	2390.000	44.7	31.2	4.9	49.6	36.1	73.9	53.9	24.3	17.8	Vert.

*Operating mode: Tx 2402MHz 1Mbps Y-plane*
*[Emission level]*

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	44.9	31.3	4.9	49.8	36.2	73.9	53.9	24.1	17.7	Hori.
2	2390.000	45.2	31.2	4.9	50.1	36.1	73.9	53.9	23.8	17.8	Vert.

*Operating mode: Tx 2402MHz 1Mbps Z-plane*
*[Emission level]*

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	45.1	31.2	4.9	50.0	36.1	73.9	53.9	23.9	17.8	Hori.
2	2390.000	45.2	31.3	4.9	50.1	36.2	73.9	53.9	23.8	17.7	Vert.

*Operating mode: Tx 2480MHz 1Mbps X-plane*
*[Emission level]*

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2483.500	45.0	31.4	5.5	50.5	36.9	73.9	53.9	23.4	17.0	Hori.
2	2483.500	45.1	31.5	5.5	50.6	37.0	73.9	53.9	23.3	16.9	Vert.

*Operating mode: Tx 2480MHz 1Mbps Y-plane*
*[Emission level]*

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2483.500	45.2	31.5	5.5	50.7	37.0	73.9	53.9	23.2	16.9	Hori.
2	2483.500	45.9	31.5	5.5	51.4	37.0	73.9	53.9	22.5	16.9	Vert.

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*Operating mode: Tx 2480MHz 1Mbps Z-plane*  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2483.500	45.0	31.5	5.5	50.5	37.0	73.9	53.9	23.4	16.9	Hori.
2	2483.500	44.9	31.5	5.5	50.4	37.0	73.9	53.9	23.5	16.9	Vert.

*Operating mode: Tx Hopping DH5 X-plane*  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	45.7	31.2	4.9	50.6	36.1	73.9	53.9	23.3	17.8	Hori.
2	2390.000	44.8	31.2	4.9	49.7	36.1	73.9	53.9	24.2	17.8	Vert.
3	2483.500	45.2	31.4	5.5	50.7	36.9	73.9	53.9	23.2	17.0	Hori.
4	2483.500	45.4	31.4	5.5	50.9	36.9	73.9	53.9	23.0	17.0	Vert.

*Operating mode: Tx Hopping DH5 Y-plane*  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	44.7	31.2	4.9	49.6	36.1	73.9	53.9	24.3	17.8	Hori.
2	2390.000	44.8	31.2	4.9	49.7	36.1	73.9	53.9	24.2	17.8	Vert.
3	2483.500	45.6	31.4	5.5	51.1	36.9	73.9	53.9	22.8	17.0	Hori.
4	2483.500	45.9	31.4	5.5	51.4	36.9	73.9	53.9	22.5	17.0	Vert.

*Operating mode: Tx Hopping DH5 Z-plane*  
 [Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	45.1	31.2	4.9	50.0	36.1	73.9	53.9	23.9	17.8	Hori.
2	2390.000	44.9	31.2	4.9	49.8	36.1	73.9	53.9	24.1	17.8	Vert.
3	2483.500	45.4	31.4	5.5	50.9	36.9	73.9	53.9	23.0	17.0	Hori.
4	2483.500	45.1	31.4	5.5	50.6	36.9	73.9	53.9	23.3	17.0	Vert.

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Operating mode: Tx 2402MHz 2Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	45.2	31.2	4.9	50.1	36.1	73.9	53.9	23.8	17.8	Hori.
2	2390.000	45.4	31.2	4.9	50.3	36.1	73.9	53.9	23.6	17.8	Vert.

Operating mode: Tx 2402MHz 2Mbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	44.8	31.2	4.9	49.7	36.1	73.9	53.9	24.2	17.8	Hori.
2	2390.000	44.9	31.2	4.9	49.8	36.1	73.9	53.9	24.1	17.8	Vert.

Operating mode: Tx 2402MHz 2Mbps Z-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	44.7	31.2	4.9	49.6	36.1	73.9	53.9	24.3	17.8	Hori.
2	2390.000	44.7	31.2	4.9	49.6	36.1	73.9	53.9	24.3	17.8	Vert.

Operating mode: Tx 2480MHz 2Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2483.500	45.5	31.4	5.5	51.0	36.9	73.9	53.9	22.9	17.0	Hori.
2	2483.500	45.2	31.5	5.5	50.7	37.0	73.9	53.9	23.2	16.9	Vert.

Operating mode: Tx 2480MHz 2DH5 Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2483.500	45.4	31.5	5.5	50.9	37.0	73.9	53.9	23.0	16.9	Hori.
2	2483.500	44.9	31.5	5.5	50.4	37.0	73.9	53.9	23.5	16.9	Vert.

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Operating mode: Tx 2480MHz 2DH5 Z-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2483.500	45.2	31.5	5.5	50.7	37.0	73.9	53.9	23.2	16.9	Hori.
2	2483.500	45.0	31.5	5.5	50.5	37.0	73.9	53.9	23.4	16.9	Vert.

Operating mode: Tx Hopping 2DH5 X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	44.8	31.2	4.9	49.7	36.1	73.9	53.9	24.2	17.8	Hori.
2	2390.000	44.8	31.2	4.9	49.7	36.1	73.9	53.9	24.2	17.8	Vert.
3	2483.500	45.1	31.4	5.5	50.6	36.9	73.9	53.9	23.3	17.0	Hori.
4	2483.500	45.1	31.4	5.5	50.6	36.9	73.9	53.9	23.3	17.0	Vert.

Operating mode: Tx Hopping 2DH5 Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	44.9	31.2	4.9	49.8	36.1	73.9	53.9	24.1	17.8	Hori.
2	2390.000	45.0	31.2	4.9	49.9	36.1	73.9	53.9	24.0	17.8	Vert.
3	2483.500	45.4	31.5	5.5	50.9	37.0	73.9	53.9	23.0	16.9	Hori.
4	2483.500	44.9	31.5	5.5	50.4	37.0	73.9	53.9	23.5	16.9	Vert.

Operating mode: Tx Hopping 2DH5 Z-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	45.5	31.2	4.9	50.4	36.1	73.9	53.9	23.5	17.8	Hori.
2	2390.000	44.8	31.2	4.9	49.7	36.1	73.9	53.9	24.2	17.8	Vert.
3	2483.500	45.2	31.5	5.5	50.7	37.0	73.9	53.9	23.2	16.9	Hori.
4	2483.500	45.0	31.5	5.5	50.5	37.0	73.9	53.9	23.4	16.9	Vert.

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Operating mode: Tx 2402MHz 3Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	45.7	31.2	4.9	50.6	36.1	73.9	53.9	23.3	17.8	Hori.
2	2390.000	45.2	31.2	4.9	50.1	36.1	73.9	53.9	23.8	17.8	Vert.

Operating mode: Tx 2402MHz 3Mbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	45.2	31.2	4.9	50.1	36.1	73.9	53.9	23.8	17.8	Hori.
2	2390.000	45.0	31.2	4.9	49.9	36.1	73.9	53.9	24.0	17.8	Vert.

Operating mode: Tx 2402MHz 3Mbps Z-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	45.3	31.2	4.9	50.2	36.1	73.9	53.9	23.7	17.8	Hori.
2	2390.000	44.7	31.2	4.9	49.6	36.1	73.9	53.9	24.3	17.8	Vert.

Operating mode: Tx 2480MHz 3Mbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2483.500	45.0	31.4	5.5	50.5	36.9	73.9	53.9	23.4	17.0	Hori.
2	2483.500	45.5	31.5	5.5	51.0	37.0	73.9	53.9	22.9	16.9	Vert.

Operating mode: Tx 2480MHz 3DH5 Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2483.500	45.7	31.5	5.5	51.2	37.0	73.9	53.9	22.7	16.9	Hori.
2	2483.500	45.0	31.5	5.5	50.5	37.0	73.9	53.9	23.4	16.9	Vert.

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Operating mode: Tx 2480MHz 3Mbps Z-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2483.500	45.7	31.5	5.5	51.2	37.0	73.9	53.9	22.7	16.9	Hori.
2	2483.500	45.2	31.5	5.5	50.7	37.0	73.9	53.9	23.2	16.9	Vert.

Operating mode: Tx Hopping 3DH5 X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	44.8	31.2	4.9	49.7	36.1	73.9	53.9	24.2	17.8	Hori.
2	2390.000	45.1	31.2	4.9	50.0	36.1	73.9	53.9	23.9	17.8	Vert.
3	2483.500	45.2	31.4	5.5	50.7	36.9	73.9	53.9	23.2	17.0	Hori.
4	2483.500	45.0	31.4	5.5	50.5	36.9	73.9	53.9	23.4	17.0	Vert.

Operating mode: Tx Hopping 3DH5 Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	44.8	31.2	4.9	49.7	36.1	73.9	53.9	24.2	17.8	Hori.
2	2390.000	45.0	31.2	4.9	49.9	36.1	73.9	53.9	24.0	17.8	Vert.
3	2483.500	44.9	31.4	5.5	50.4	36.9	73.9	53.9	23.5	17.0	Hori.
4	2483.500	45.1	31.4	5.5	50.6	36.9	73.9	53.9	23.3	17.0	Vert.

Operating mode: Tx Hopping 3DH5 Z-plane

[Emission level]

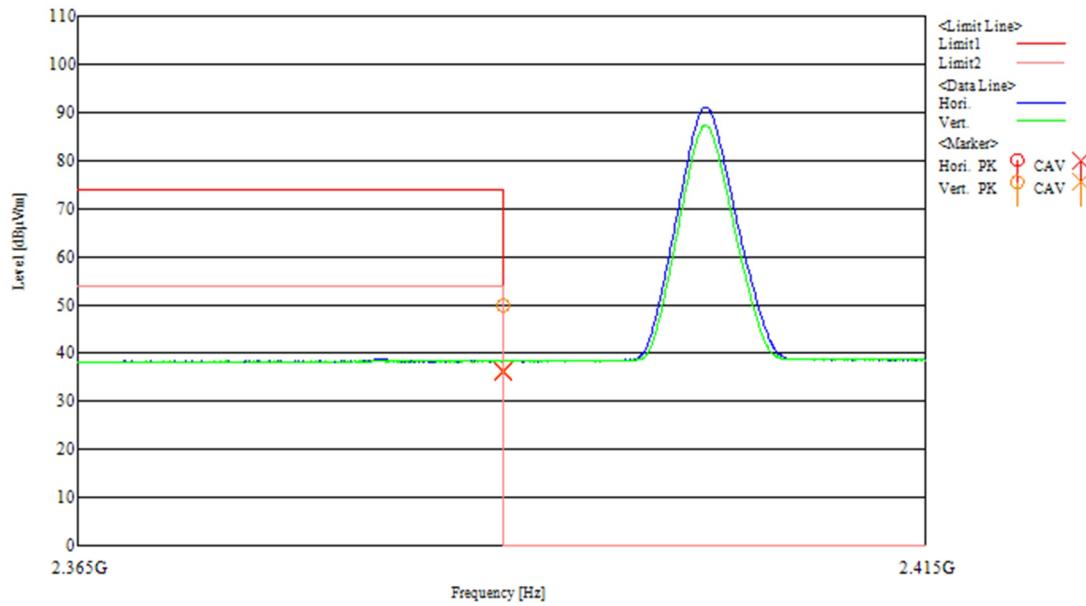
No.	Frequency [MHz]	Reading PK [dB $\mu$ V]	Reading Ave [dB $\mu$ V]	C.Factor [dB]	Result PK [dB $\mu$ V/m]	Result Ave [dB $\mu$ V/m]	Limit PK [dB $\mu$ V/m]	Limit Ave [dB $\mu$ V/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2390.000	45.1	31.2	4.9	50.0	36.1	73.9	53.9	23.9	17.8	Hori.
2	2390.000	44.8	31.2	4.9	49.7	36.1	73.9	53.9	24.2	17.8	Vert.
3	2483.500	45.3	31.4	5.5	50.8	36.9	73.9	53.9	23.1	17.0	Hori.
4	2483.500	45.4	31.4	5.5	50.9	36.9	73.9	53.9	23.0	17.0	Vert.

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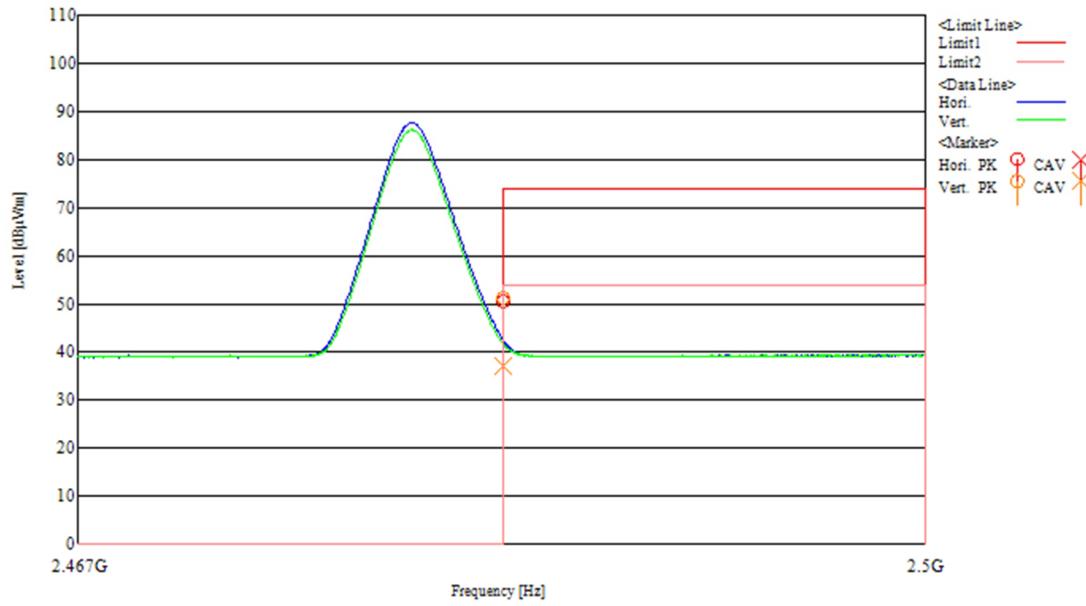
[Chart]

Tx 2402MHz 1Mbps Z-plane



[Chart]

Tx 2480MHz 1Mbps Y-plane



Tested Date: 01 Apr. 2025  
Humidity: 42 %

Temperature: 18 degC  
Atmos. Press: 1025 hPa

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## 2.8 AC power line conducted emissions

### Test setup

Test setup was implemented according to the method of ANSI C63.10 clause 6.2 .

### Test procedure

Measurement procedures were implemented according to the method of ANSI C63.10 clause 6.2.

### Applicable rule and limitation

FCC 15.207

RSS-Gen 8.8

AC power line conducted emissions limits

Frequency of Emission [MHz]	Conducted emissions Limit [dB $\mu$ V]	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46 *
0.5 - 5	56	46
5 - 30	60	50

\* Decreases with the logarithm of the frequency. The lower limit applies at the band edges.

### Test equipment used (refer to List of utilized test equipment)

-	-	-
---	---	---

### Test software used

EMI1 Ver. 7.0

### Calculation method

The Correction Factor and Result are calculated as followings.

Correction Factor [dB] = ISN Factor [dB] + Loss [dB]

Result [dB $\mu$ V] = Reading [dB $\mu$ V] + Correction Factor [dB]

### Test results – Not Applicable

EUT operates on battery power.

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## 2.9 Antenna requirement

### Applicable rule and limitation

FCC 15.203

RSS-Gen 6.8

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.

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

### Results – Complied with requirement

EUT uses no other antenna than the following antenna, which is permanently attached to the EUT. The EUT therefore meets the requirement of this section.

No.	Antenna type	Antenna gain	Impedance
1	1/4 $\lambda$ Inverted-L antenna	2.14 dBi [max]	50 $\Omega$

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## 4 List of utilized test equipment / calibration

ID No.	Kind of Equipment	Manufacturer	Model No.	Serial Number	Cal. Date	Cal. until
AC01(EM)	Anechoic Chamber (1st test room)	JSE	203397C	-	2024/11/24	2025/11/30
AC01(EG)	Anechoic Chamber (1st test room)	JSE	203397C	-	2025/03/08	2026/03/31
BA07	Biological Antenna	TESEQ	CBL6143A	26670	2025/03/21	2026/03/31
CL11	RF Cable for RE	RFT	-	-	2025/03/12	2026/03/31
CL31	RF Cable 1 m	Junkosha	MWX221	1303S118	2025/01/29	2026/01/31
CL38	RF Cable 2 m	Junkosha	MWX221	1603S626	2025/01/29	2026/01/31
CL39	RF Cable 5 m	SUHNER	SUCOFLEX126E	523222	2025/01/29	2026/01/31
DH06	DRG Horn Antenna	A.H. Systems	SAS-571	1339	2024/07/30	2026/07/31
SH01	Standard Horn Antenna (18-26G)	A.H. Systems	SAS-572	208	2024/07/16	2025/07/31
SH05	Standard Horn Antenna (12-18G)	A.H. Systems	SAS-586	214	2024/07/16	2025/07/31
PR12	Pre. Amplifier (1- 26G)	Agilent Technologies	8449B	3008A02513	2025/01/29	2026/01/31
PR21	Pre. Amplifier	Anritsu	MH648A	6200467119	2025/03/18	2026/03/31
BRF12	Band Reject Filter (2400MHz)	M-City	BRF2440-01	RF0012-02	2025/03/24	2026/03/31
HPF11	High Pass Filter (3500MHz)	Wainwright	WHNX6-2765- 3500-26500-40CC	2	2024/08/17	2025/08/31
LPF1	Low Pass Filter (1000MHz)	M-City	LPF1000-04	RF0012-01	2025/03/24	2026/03/31
LP06	Loop Antenna	ETS-Lindgren	6502	00164299	2024/10/18	2025/10/31
AT17	Attenuator	JFW	50HF-006N	—	2025/04/04	2026/04/30
AT33	Attenuator 10dB 26GHz	INMET	26A-10	—	2024/10/18	2025/10/31
TR06	Test Receiver (F/W : 4.73 SP4)	Rohde & Schwarz	ESU26	100002	2025/02/03	2026/02/28

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

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