TEST REPORT

For

Sub-GHz Wireless Communication Evaluation Kit

In conformity with

FCC Part 15C

Model Name:	**RTK0EE0013D10001BJ**
FCC ID:	**2AEMXCWXMRTK1BJ**
Report No.:	**WE220805BB1-11**
Issue Date:	**1 Mar. 2023**

Prepared for

Renesas Electronics Corporation
TOYOSU FORESIA, 3-2-24 Toyosu, Koto-ku, Tokyo 135-0061, Japan

Prepared by

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History

Report No.	Date	Revisions	Issued By
WE220805BB1-11	1 Mar. 2023	Initial Issue	K. Onishi

1 General information

1.1 Product description from supplier

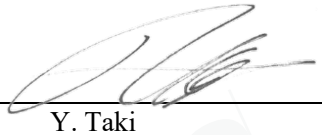
Test item	: Sub-GHz Wireless Communication Evaluation Kit
Manufacturer	: Renesas Electronics Corporation
Address	: TOYOSU FORESIA, 3-2-24 Toyosu, Koto-ku, Tokyo 135-0061, Japan
Model	: RTK0EE0013D10001BJ
FCC ID	: 2AEMXCWXMRTK1BJ
Serial number	: 2B002
Hardware version	: 1
Software version	: V100_00970
Operating frequency	: 902 to 928MHz
Modulation	: FSK, OFDM
Antenna gain	: +2.14 dBi (Manufacturer's declare)
Rated RF output power	: 0.634 W (FSK 50kbps) 0.646 W (FSK 150kbps) 0.108 W (OFDM Option4) 0.121 W (OFDM Option3) 0.118 W (OFDM Option2) 0.117 W (OFDM Option1)
Receipt date of EUT	: 20 Oct. 2022
Nominal power source voltages	: DC 5V (USB bus power)

1.2 Test(s) performed/ Summary of test result

Test specification(s)	: FCC CFR 47 Part 15 Subpart C (01 Oct. 2022)
Test method(s)	: ANSI C63.10: 2013
Test(s) started	: 26 Oct. 2022
Test(s) completed	: 22 Feb. 2023
Summary of test result	: *Complied*

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 is case that the margin is less than the measurement uncertainty in the Laboratory.

Test engineer : 
K. Onishi
Leader, C&P Connectivity EMC Laboratory

Reviewer : 
Y. Taki
Manager, C&P Connectivity Wireless

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 JP5001 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 http://www.fcc.gov.

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

Accredited by **National Voluntary Laboratory Accreditation Program** (NVLAP) for the emission tests stated in the scope of the certificate under Certificate Number 200780-0

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

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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	: ± 5.6 dB (9 kHz - 30 MHz)
	: ± 5.1 dB (30 MHz - 1000 MHz)
	: ± 4.2 dB (1 GHz - 6 GHz)
	: ± 4.3 dB (6 GHz - 18 GHz)
	: ± 4.8 dB (18 GHz - 26 GHz)

1.5 Summary of test results

Requirement	Section in FCC	Result	Section in this report
20dB Bandwidth	15.247 (a)(1)(i)	Complied	2.1
6 dB Bandwidth	15.247 (a)(2)	Complied	2.2
Hopping Carrier Frequency Separation	15.247 (a)(1)	Complied	2.3
Number of Hopping Channel	15.247 (a)(1)(i)	Complied	2.4
Average Time of Occupancy	15.247 (a)(1)(i) 15.247 (f)	Complied	2.5
Maximum Conducted Output Power	15.247 (b)(2) 15.247 (b)(3)	Complied	2.6
Power Spectral Density	15.247 (e) 15.247 (f)	Complied	2.7
Conducted Spurious Emissions	15.247(d)	Complied	2.8
Radiated Emissions	15.247(d)/15.205(b) /15.209	Complied	2.9
AC power line conducted emissions	15.207	Complied	2.10

1.6 Setup of equipment under test (EUT)

1.6.1 Test configuration of EUT

Equipment(s) under test

No.	Item	Manufacture	Model No.	Serial No.
A	Sub-GHz Wireless Communication Evaluation Kit	Renesas	RTK0EE001 3D10001BJ	2B002

Support equipment(s)

No.	Item	Manufacture	Model No.	Serial No.
B	PC	Lenovo	4286-PG3	R9-PYWTW
C	AC adapter	Lenovo	DCWP CM-2	9P1156
D	Jig	-	-	-
E	AC adapter	GO FORWARD ENTERPRISE	GF12-US0520	1606-L3

Connected cable(s)

No.	Item	From	To	Cable Shielded	Ferrite Core	Length [m]
1	USB Cable 1	A	B	Yes	No	1.0
2	DC Cable 1	B	C	No	No	1.8
3	AC Cable 1	C	AC	No	No	0.9
4	DC Cable 2	D	DC	No	No	1.5
5	DC Cable 3	D	E	No	No	0.8
6	AC Cable 2	E	AC	No	No	1.0
7	USB Cable 2	B	D	Yes	No	0.5

Test software

Tera Term

- Macro (.ttl) files for each operating condition were provided by the applicant.

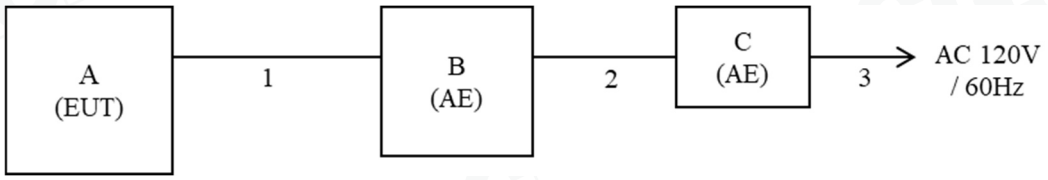
1.6.2 Operating condition:

- Tx 902.2MHz FSK 50kbps: The EUT is in continuous transmission mode at 902.2MHz (FSK 50kbps)
- Tx 902.4MHz FSK 150kbps: The EUT is in continuous transmission mode at 902.4MHz (FSK 150kbps)
- Tx 902.2MHz OFDM Option4: The EUT is in continuous transmission mode at 902.2MHz (OFDM Option4)
- Tx 902.4MHz OFDM Option3: The EUT is in continuous transmission mode at 902.4MHz (OFDM Option3)
- Tx 902.8MHz OFDM Option2: The EUT is in continuous transmission mode at 902.8MHz (OFDM Option2)
- Tx 903.2MHz OFDM Option1: The EUT is in continuous transmission mode at 903.2MHz (OFDM Option1)
- Tx 915.0MHz FSK 50kbps: The EUT is in continuous transmission mode at 915.0MHz (FSK 50kbps)
- Tx 915.2MHz FSK 150kbps: The EUT is in continuous transmission mode at 915.2MHz (FSK 150kbps)
- Tx 915.0MHz OFDM Option4: The EUT is in continuous transmission mode at 915.0MHz (OFDM Option4)
- Tx 915.2MHz OFDM Option3: The EUT is in continuous transmission mode at 915.2MHz (OFDM Option3)
- Tx 915.6MHz OFDM Option2: The EUT is in continuous transmission mode at 915.6MHz (OFDM Option2)
- Tx 915.2MHz OFDM Option1: The EUT is in continuous transmission mode at 915.2MHz (OFDM Option1)
- Tx 927.8MHz FSK 50kbps: The EUT is in continuous transmission mode at 927.8MHz (FSK 50kbps)
- Tx 927.6MHz FSK 150kbps: The EUT is in continuous transmission mode at 927.6MHz (FSK 150kbps)
- Tx 927.8MHz OFDM Option4: The EUT is in continuous transmission mode at 927.8MHz (OFDM Option4)

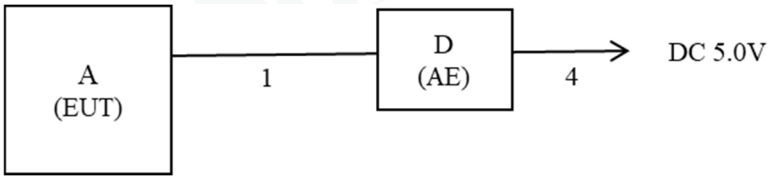
- Tx 927.6MHz OFDM Option3: The EUT is in continuous transmission mode at 927.6MHz (OFDM Option3)
- Tx 927.6MHz OFDM Option2: The EUT is in continuous transmission mode at 927.6MHz (OFDM Option2)
- Tx 927.2MHz OFDM Option1: The EUT is in continuous transmission mode at 927.2MHz (OFDM Option1)

1.6.3 Setup diagram of tested system

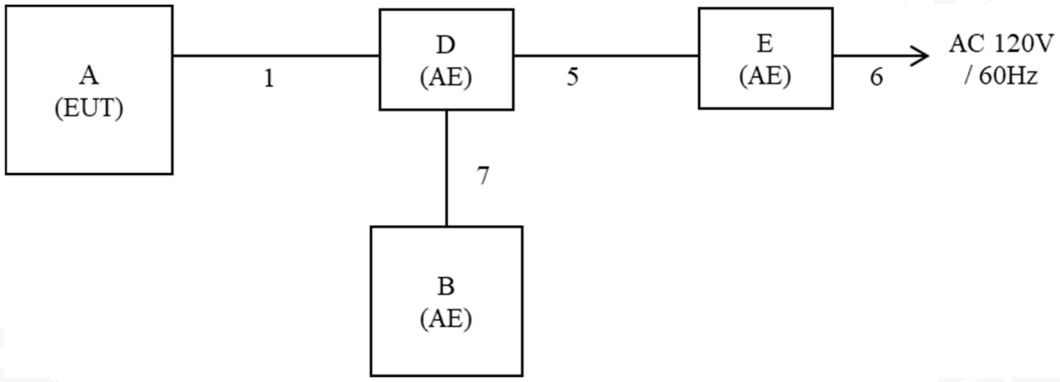
[Configuration 1]



[Configuration 2]



[Configuration 3]



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

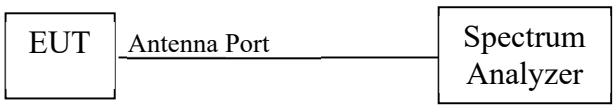
No deviations from the standards described in clause 1.2.

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

FCC 15.247 (a)(1)(i)

The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

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

TR06	AT38	CL31	-

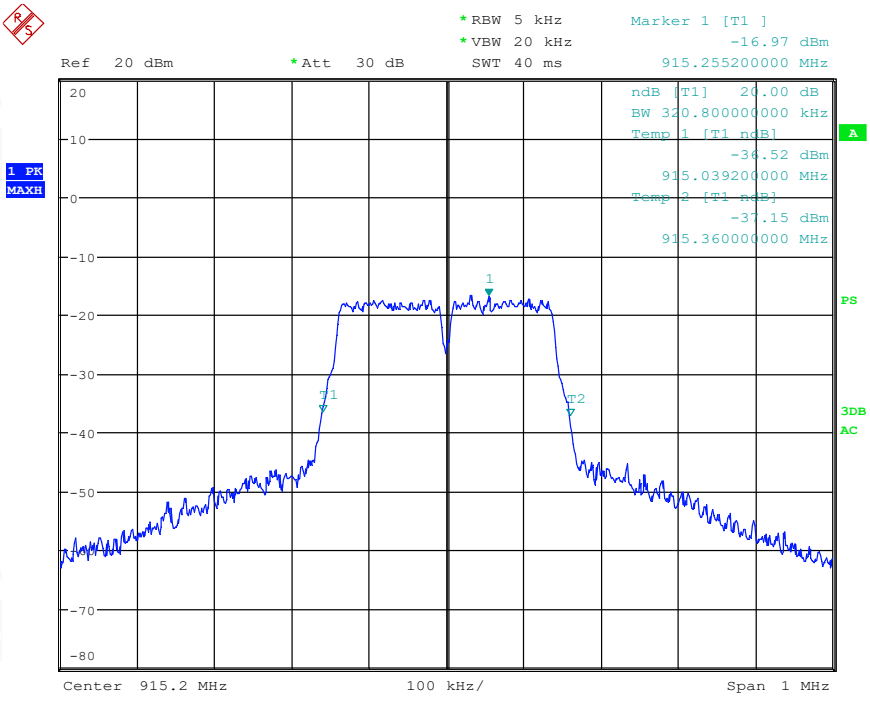
Test results

Configuration: 1

Transmission Frequency [MHz]	Mode	Occupied Bandwidth [kHz]	Result
902.2	FSK 50kbps	103.2	Pass
902.4	FSK 150kbps	181.2	Pass
902.2	OFDM Option4	188.8	Pass
902.4	OFDM Option3	320.8	Pass
915.0	FSK 50kbps	102.8	Pass
915.2	FSK 150kbps	181.6	Pass
915.0	OFDM Option4	190.4	Pass
915.2	OFDM Option3	320.8	Pass
927.8	FSK 50kbps	103.6	Pass
927.6	FSK 150kbps	181.2	Pass
927.8	OFDM Option4	189.2	Pass
927.6	OFDM Option3	320.8	Pass

[Chart]

Operating condition: Tx 915.2MHz OFDM Option3

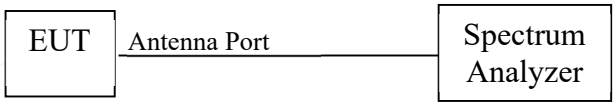


Tested Date:	19 Dec. 2022	Temperature:	18 degC
Humidity:	25 %	Atmos. Press:	1009 hPa

2.2 6dB 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 11.8

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

Limitation

FCC 15.247 (a)(2)

The minimum 6 dB bandwidth shall be at least 500 kHz.

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

TR06	AT38	CL31	-

Test results - *Complied with requirement*

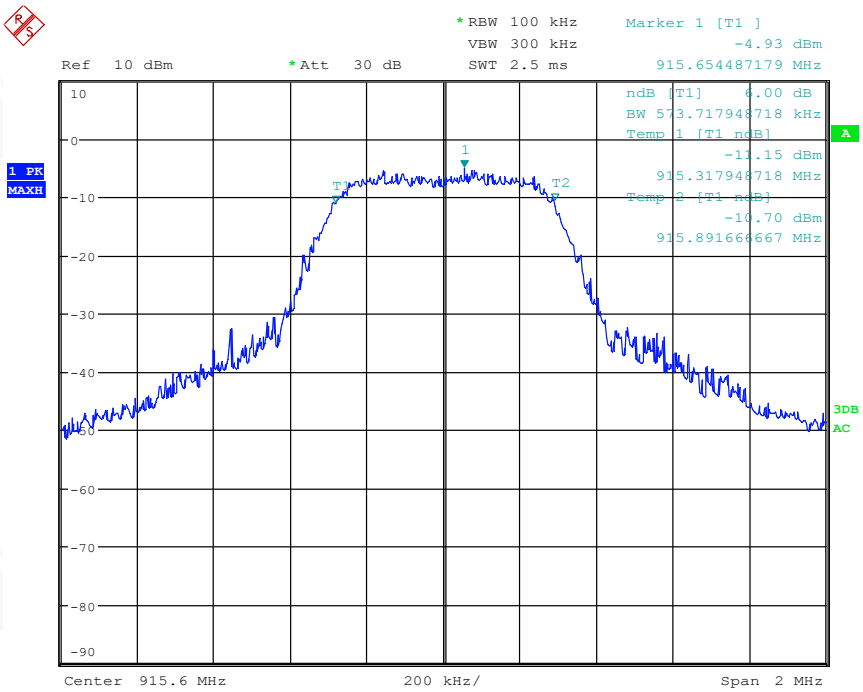
Test data

Configuration: 1

Transmission Frequency [MHz]	Mode	Occupied Bandwidth [kHz]	Result
902.8	OFDM Option2	580.1	Pass
903.2	OFDM Option1	1102.6	Pass
915.6	OFDM Option2	573.7	Pass
915.2	OFDM Option1	1115.4	Pass
927.6	OFDM Option2	573.7	Pass
927.2	OFDM Option1	1102.6	Pass

[Chart]

Operating condition: Tx 915.6MHz OFDM Option2

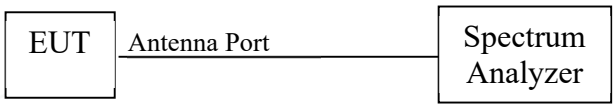


Tested Date:	22 Feb. 2023	Temperature:	19 degC
Humidity:	25 %	Atmos. Press:	1028 hPa

2.3 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)

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.

Limit: *more than 103.6 kHz for FSK 50kbps*
more than 181.6 kHz for FSK 150kbps
more than 190.4 kHz for OFDM Option4
more than 320.8 kHz for OFDM Option3

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

TR06	AT38	CL31	

Test results - *Complied with requirement*

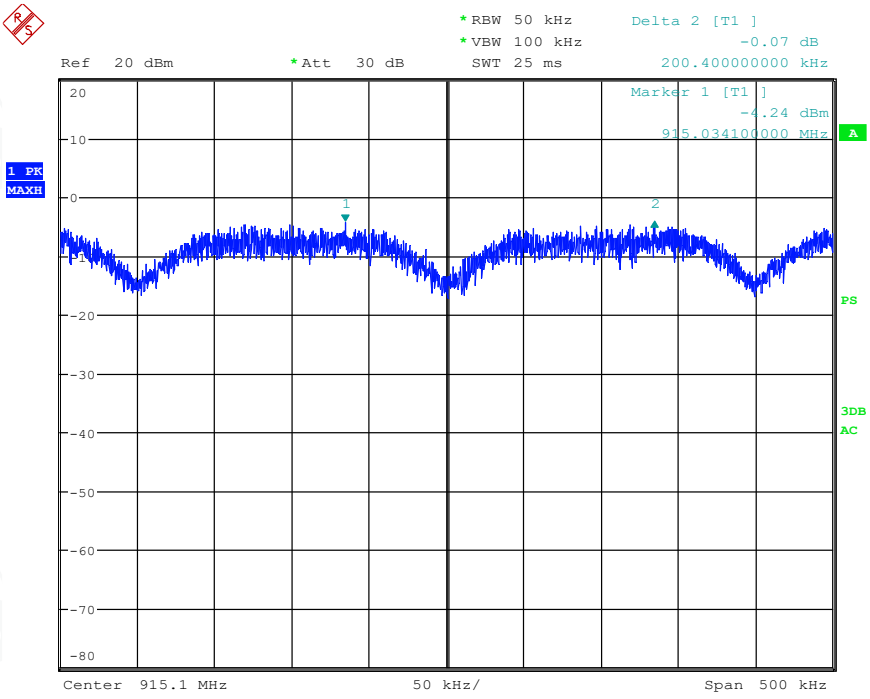
Test Data

Configuration: 1

Mode	Frequency Separation [kHz]	Result
FSK 50kbps	200.9	Pass
FSK 150kbps	399.7	Pass
OFDM Option4	200.4	Pass
OFDM Option3	395.8	Pass

[Chart]

Operating condition: Tx OFDM Option4

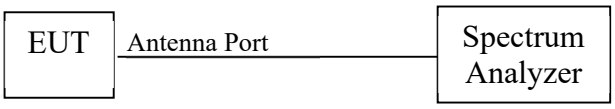


Tested Date:	16 Dec. 2022	Temperature:	20 degC
Humidity:	32 %	Atmos. Press:	1010 hPa

2.4 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)(i)

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies.

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

TR06	AT38	CL31	

Test results - *Complied with requirement*

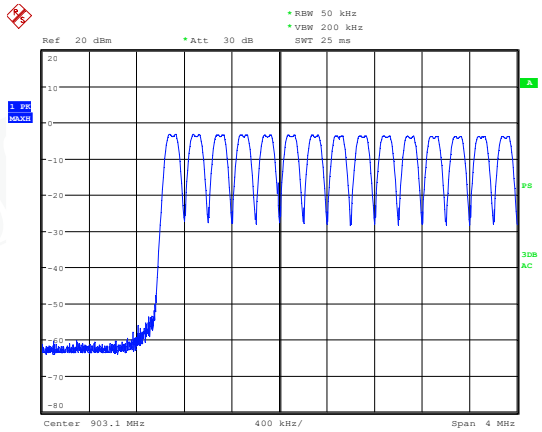
Test Data

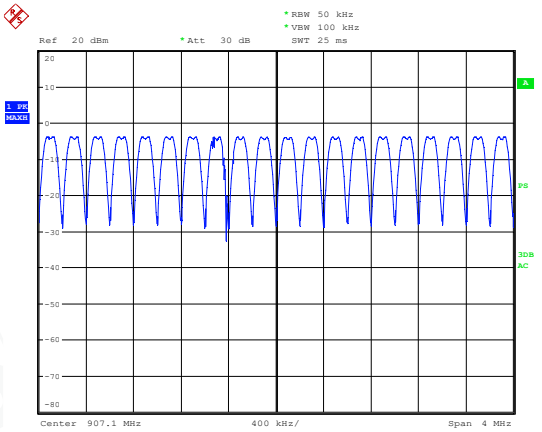
Configuration: 1

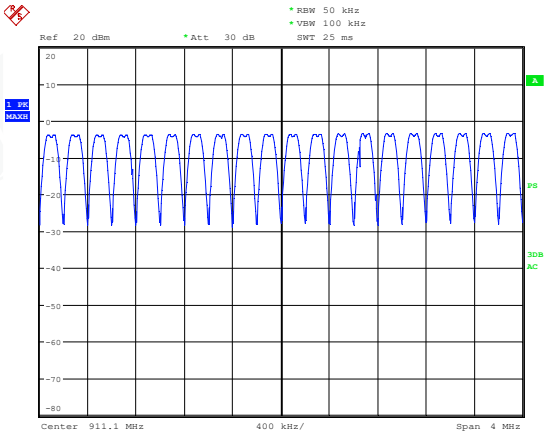
Mode	Number of hopping frequencies	Result
FSK 50kbps	129	Pass
FSK 150kbps	64	Pass
OFDM Option4	129	Pass
OFDM Option3	64	Pass

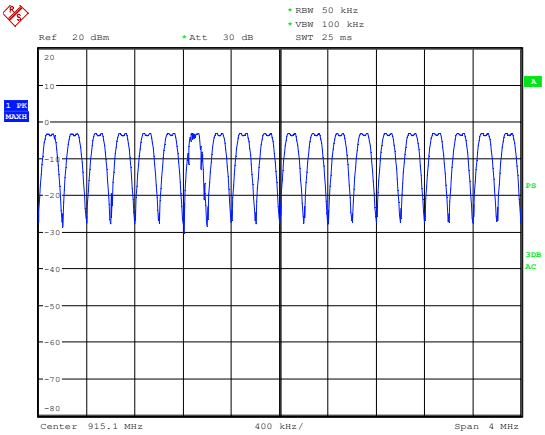
[Chart]

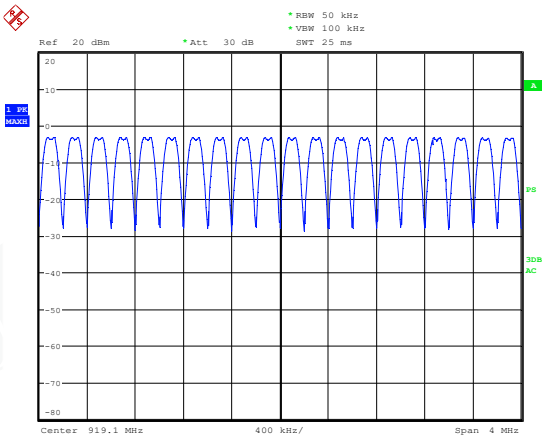
Operating condition: Tx FSK 50kbps

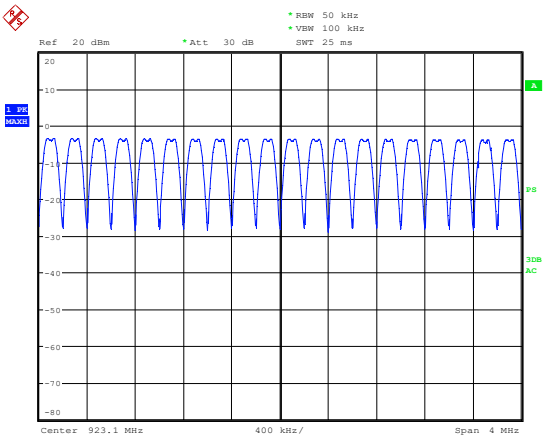


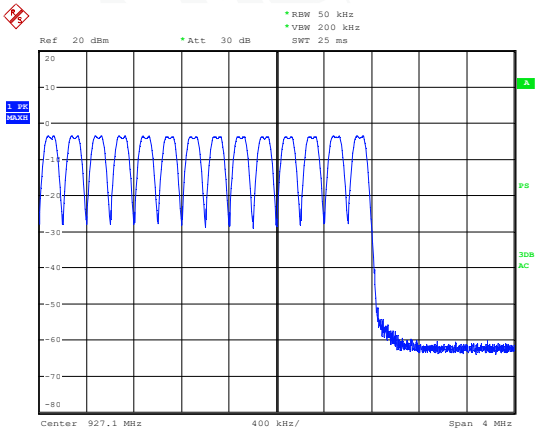






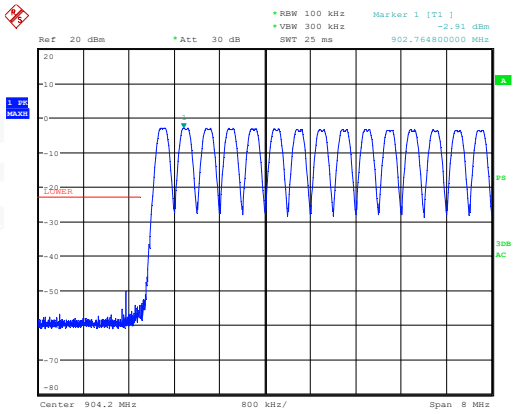


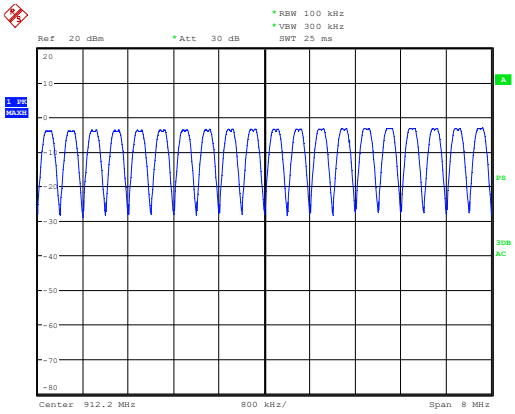


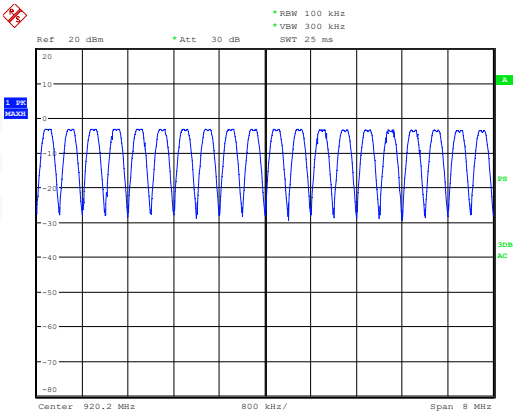


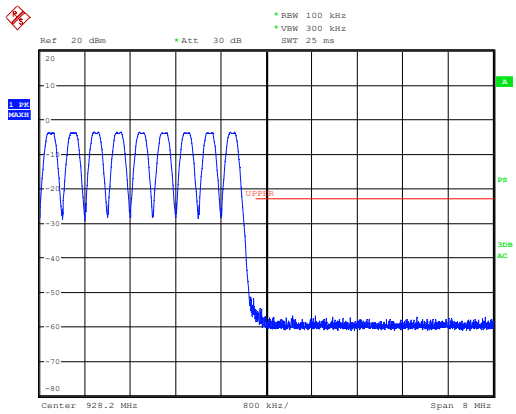
[Chart]

Operating condition: Tx FSK 150kbps







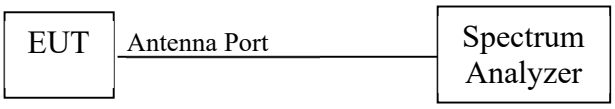


Tested Date:	16 Dec. 2022	Temperature:	20 degC
Humidity:	32 %	Atmos. Press:	1010 hPa

2.5 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)(i) for FSK 50kbps/150kbps
FCC 15.247 (f) for OFDM Option4/Option3

For frequency hopping systems operating in the 902-928 MHz band:
if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period;
if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.

The frequency hopping operation of the hybrid system, with the direct sequence or digital modulation operation turned-off, shall have an average time of occupancy on any frequency not to exceed 0.4 seconds within a time period in seconds equal to the number of hopping frequencies employed multiplied by 0.4.

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

TR06	AT38	CL31	

Test results - *Complied with requirement*

Test Data

Configuration: 1

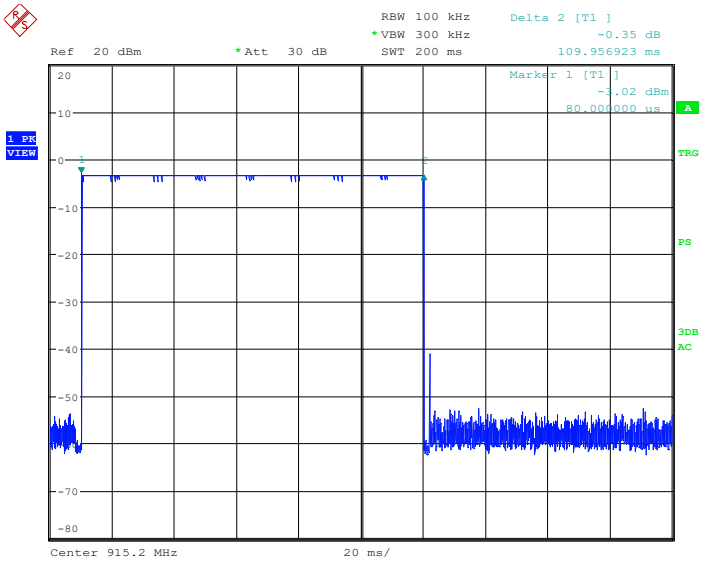
Frequency/Mode	Tx time per hop [ms]	Sweep time [s] (*)	Number of hops	Time of occupancy [s]	Result
915.0MHz/FSK 50kbps	329.3	20	1	0.329 (*)	Pass
915.2MHz/FSK 150kbps	110.0	20	3	0.330 (*)	Pass
915.0MHz/OFDM Option4	56.09	51.6	5	0.280 (*)	Pass
915.2MHz/OFDM Option3	30.93	25.6	8	0.247 (*)	Pass

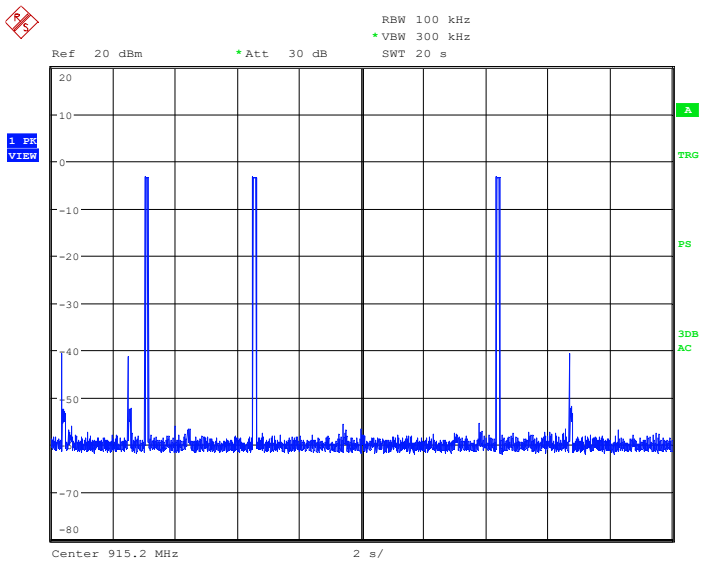
(*) The sweep time was set to the time period specified in the requirements.
The test result was calculated as follows,

Average time of occupancy = (Tx time per hop) x (The number of hops)

[Chart]

Operating condition: Tx FSK 150kbps



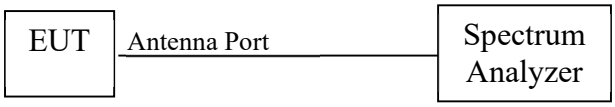


Tested Date:	16 Dec. 2022	Temperature:	20 degC
Humidity:	32 %	Atmos. Press:	1010 hPa

2.6 Maximum Conducted Output Power

Test setup

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



Test procedure

For FSK 50kbps/150kbps, 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

For OFDM Option4/3/2/1, spectrum analyzer is set as below according to ANSI C63.10 clause 11.9

- RBW: 1% to 5% of OBW
- VBW > 3 x RBW
- Span: more than 1.5 times of OBW
- Number of points in sweep ≥ [2 × span / RBW]
- Detecter: RMS
- Trace : average at least 100 traces

Applicable rule and limitation

FCC 15.247 (b)(2) for FSK 50kbps/150kbps
FCC 15.247 (b)(3) for OFDM Option 4/3/2/1

For frequency hopping systems operating in the 902-928 MHz band: 1 watt (30dBm) for systems employing at least 50 hopping channels

For systems using digital modulation in the 902-928 MHz band: 1 Watt (30dBm)

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

TR06	AT38	CL31	

Test results - *Complied with requirement*

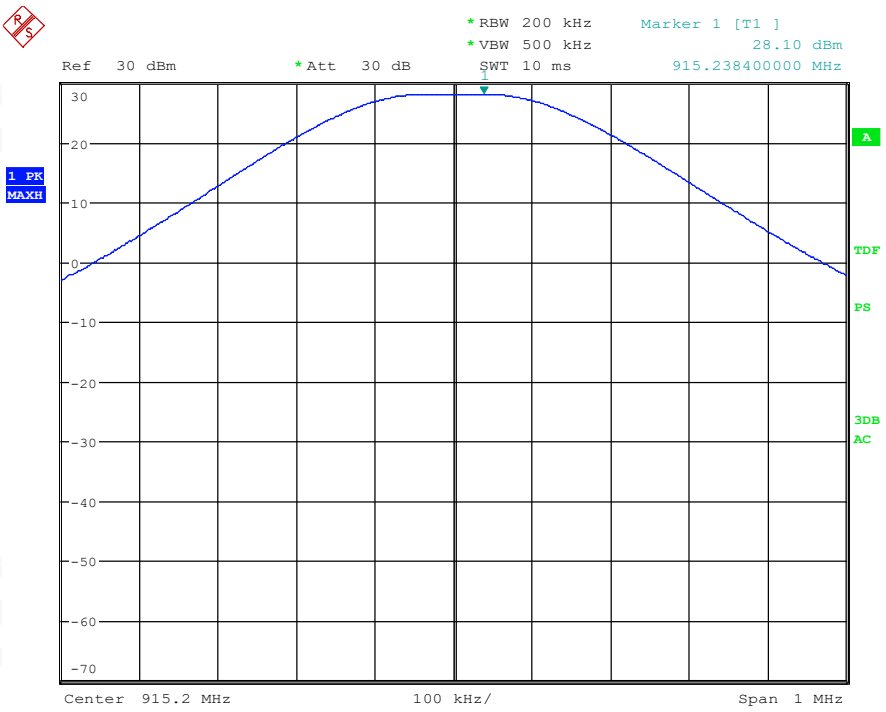
Test Data

Configuration: 1

Transmission Frequency [MHz]	Mode	Output Power [dBm]	Result
902.2	FSK 50kbps	28.02	Pass
902.4	FSK 150kbps	27.63	Pass
902.2	OFDM Option4	20.14	Pass
902.4	OFDM Option3	20.84	Pass
902.8	OFDM Option2	20.71	Pass
903.2	OFDM Option1	20.70	Pass
915.0	FSK 50kbps	27.90	Pass
915.2	FSK 150kbps	28.10	Pass
915.0	OFDM Option4	20.32	Pass
915.2	OFDM Option3	20.19	Pass
915.6	OFDM Option2	20.11	Pass
915.2	OFDM Option1	20.14	Pass
927.8	FSK 50kbps	27.69	Pass
927.6	FSK 150kbps	27.60	Pass
927.8	OFDM Option4	19.89	Pass
927.6	OFDM Option3	20.18	Pass
927.6	OFDM Option2	20.03	Pass
927.2	OFDM Option1	20.40	Pass

[Chart]

Operating condition: Tx 915.2MHz FSK 150kbps

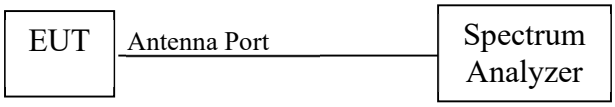


Tested Date:	19 Dec. 2022	Temperature:	18 degC
Humidity:	25 %	Atmos. Press:	1009 hPa

2.7 Power Spectral Density

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 11.10

- RBW: 3kHz ≤ RBW ≤ 100 kHz.
- VBW > 3 x RBW
- Span: more than 1.5 times of OBW
- Number of points in sweep ≥ [2 × span / RBW]
- Detecter: RMS
- Trace : average at least 100 traces

Applicable rule and limitation

FCC 15.247 (e) for OFDM Option 2/1
FCC 15.247 (f) for OFDM Option 4/3

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

The power spectral density conducted from the intentional radiator to the antenna due to the digital modulation operation of the hybrid system, with the frequency hopping operation turned off, shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

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

TR06	AT38	CL31	

Test results - *Complied with requirement*

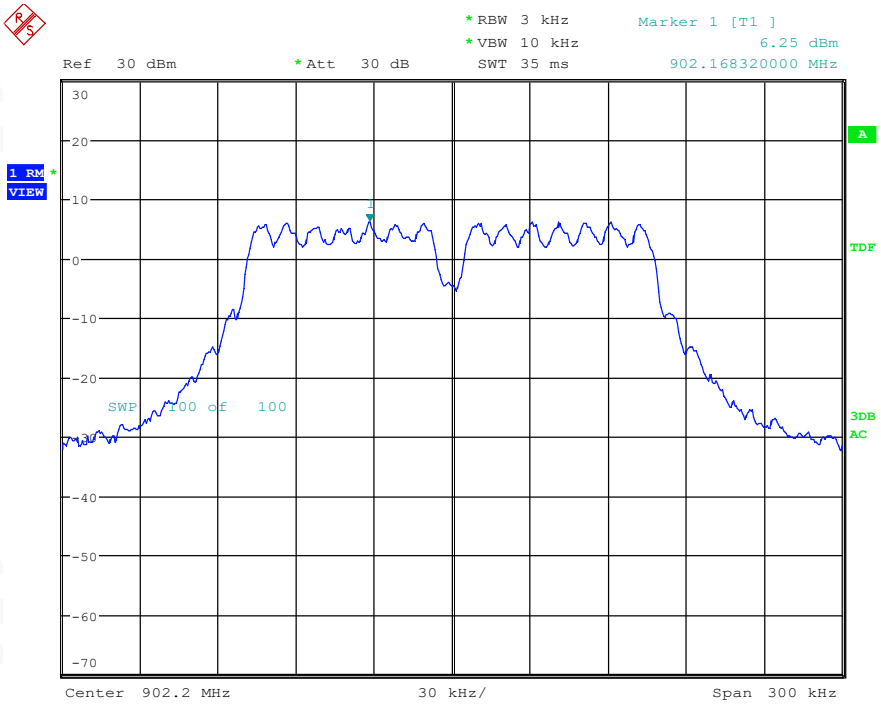
Test Data

Configuration: 1

Transmission Frequency [MHz]	Mode	Power Spectral Density [dBm/3kHz]	Result
902.2	OFDM Option4	6.25	Pass
902.4	OFDM Option3	3.47	Pass
902.8	OFDM Option2	1.35	Pass
903.2	OFDM Option1	-1.63	Pass
915.0	OFDM Option4	5.94	Pass
915.2	OFDM Option3	3.2	Pass
915.6	OFDM Option2	0.53	Pass
915.2	OFDM Option1	-1.88	Pass
927.8	OFDM Option4	5.88	Pass
927.6	OFDM Option3	3.32	Pass
927.6	OFDM Option2	0.33	Pass
927.2	OFDM Option1	-2.19	Pass

[Chart]

Operating condition: Tx 902.2MHz OFDM Option4

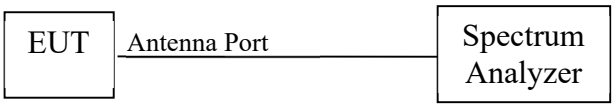


Tested Date:	20 Dec. 2022	Temperature:	18 degC
Humidity:	25 %	Atmos. Press:	1014 hPa

2.8 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 and 11.11

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

Limitation

FCC 15.247(d)

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	AT38	CL31	

Test results - *Complied with requirement*

Test Data

Configuration: 1

Operating mode: Tx 902.2MHz FSK 50kbps

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
902.00	-36.84	-2.05	-22.05
-	-	-	-

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

Operating mode: Tx 902.4MHz FSK 150kbps

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
-	-	-	-
-	-	-	-

Note: All emissions have more than 20 dB margin.

Operating mode: Tx 902.2MHz OFDM Option4

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	30dB below [dBm]
901.95	-36.17	-3.7	-33.7
-	-	-	-

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

Operating mode: Tx 902.4MHz OFDM Option3

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	30dB below [dBm]
901.95	-42.05	-4.15	-34.15
-	-	-	-

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

Operating mode: Tx 902.8MHz OFDM Option2

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	30dB below [dBm]
901.95	-45.86	-5.63	-35.63
-	-	-	-

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

Operating mode: Tx 903.2MHz OFDM Option1

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	30dB below [dBm]
901.90	-41.09	-6.94	-36.94
-	-	-	-

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

Operating mode: Tx 915.0MHz FSK 50kbps

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
-	-	-	-
-	-	-	-

Note: All emissions have more than 20 dB margin.

Operating mode: Tx 915.2MHz FSK 150kbps

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
-	-	-	-
-	-	-	-

Note: All emissions have more than 20 dB margin.

Operating mode: Tx 915.0MHz OFDM Option4

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	30dB below [dBm]
-	-	-	-
-	-	-	-

Note: All emissions have more than 20 dB margin.

Operating mode: Tx 915.2MHz OFDM Option3

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	30dB below [dBm]
-	-	-	-
-	-	-	-

Note: All emissions have more than 20 dB margin.

Operating mode: Tx 915.6MHz OFDM Option2

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	30dB below [dBm]
-	-	-	-
-	-	-	-

Note: All emissions have more than 20 dB margin.

Operating mode: Tx 915.2MHz OFDM Option1

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	30dB below [dBm]
-	-	-	-
-	-	-	-

Note: All emissions have more than 20 dB margin.

Operating mode: Tx 927.8MHz FSK 50kbps

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
928.00	-36.96	-2.18	-22.18
-	-	-	-

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

Operating mode: Tx 927.6MHz FSK 150kbps

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	20dB below [dBm]
-	-	-	-
-	-	-	-

Note: All emissions have more than 20 dB margin.

Operating mode: Tx 927.8MHz OFDM Option4

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	30dB below [dBm]
928.05	-36.44	-3.46	-33.46
-	-	-	-

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

Operating mode: Tx 927.6MHz OFDM Option3

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	30dB below [dBm]
928.05	-44.43	-4.95	-34.95
-	-	-	-

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

Operating mode: Tx 927.6MHz OFDM Option2

Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	30dB below [dBm]
928.05	-37.74	-6.42	-36.42
928.30	-39.26	-6.42	-36.42

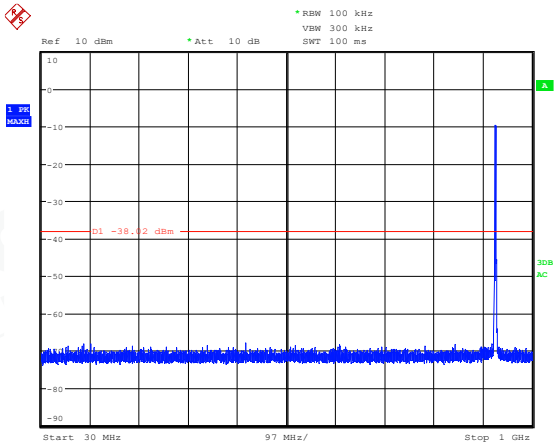
Note: All other emissions have more than 20 dB margin.

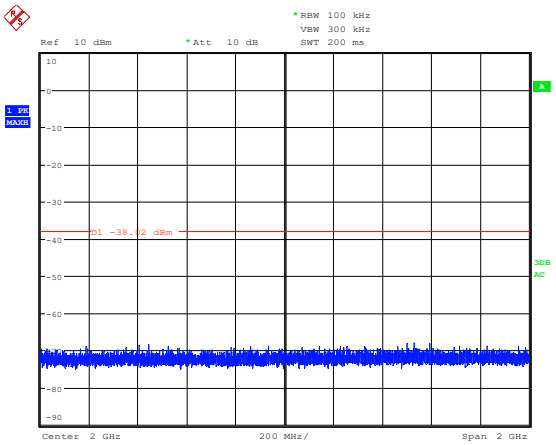
Operating mode: Tx 927.2MHz OFDM Option1

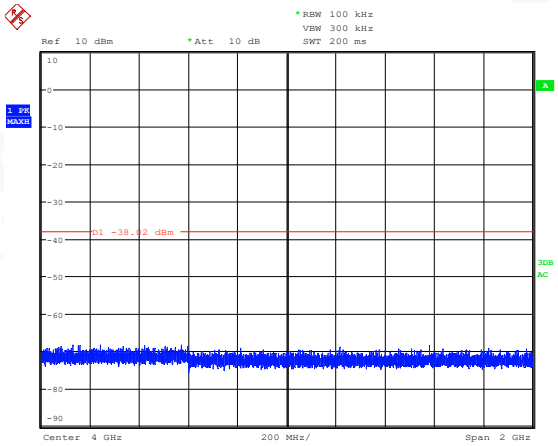
Frequency [MHz]	Spurious level [dBm]	Carrier level [dBm]	30dB below [dBm]
928.05	-38.58	-8.02	-38.02
928.18	-39.48	-8.02	-38.02

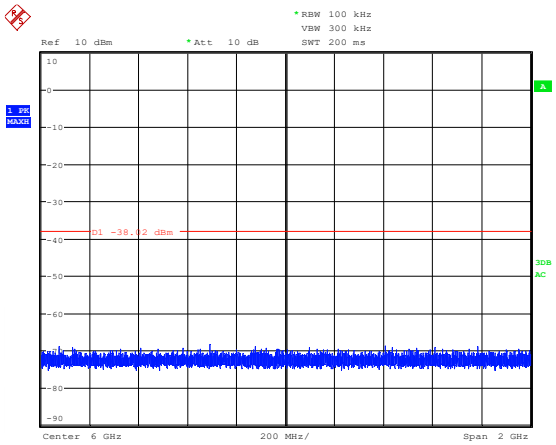
Note: All other emissions have more than 20 dB margin.

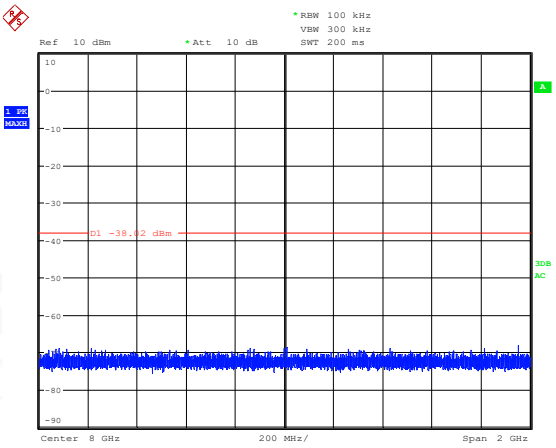
[Chart] Tx 927.2MHz OFDM Option1

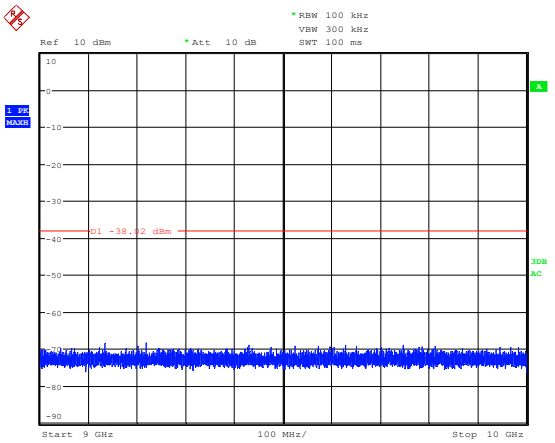






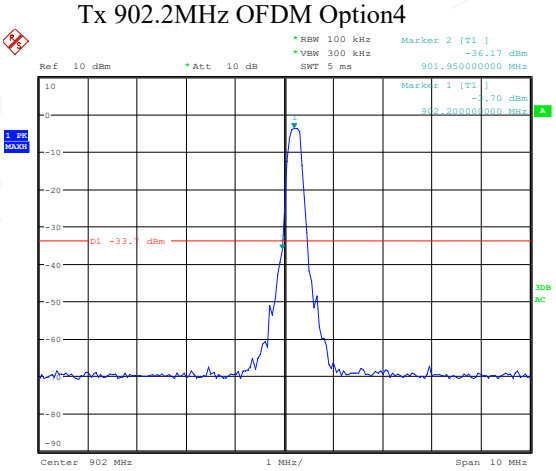




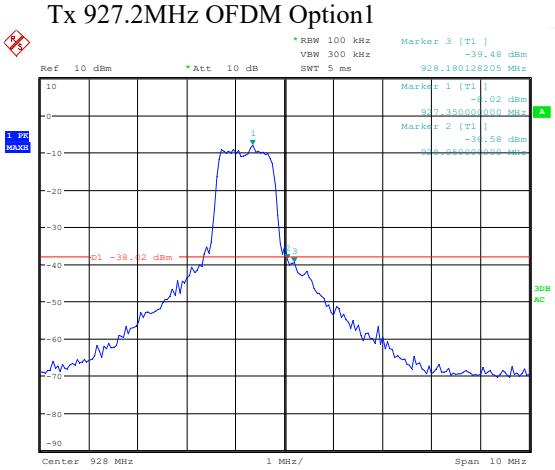


[Band edge]

Tx 902.2MHz OFDM Option4



Tx 927.2MHz OFDM Option1



[Day1]

Tested Date:	15 Dec. 2022	Temperature:	20 degC
Humidity:	27 %	Atmos. Press:	1010 hPa

[Day2]

Tested Date:	08 Feb. 2023	Temperature:	22 degC
Humidity:	30 %	Atmos. Press:	1015 hPa

2.9 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

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.

FCC 15.209 Field strength limits

Frequency [MHz]	Field Strength [μV/m]	Measurement Distance [m]	Field Strength [dBμV/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	BRF7	HPF2	HPF5	AT17	TR09

Test software used

EMI1 Ver. 6.1

Calculation method

The Correction Factor and Result are calculated as followings.

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

Test Data (below 1000MHz)

Configuration: 2

Operating mode: Tx 902.2MHz FSK 50kbps X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	351.999	33.6	14.8	10.1	30.3	28.2	46.0	17.8	Hori.
2	383.999	34.2	15.7	10.3	30.3	29.9	46.0	16.1	Hori.
3	871.109	33.9	20.3	13.0	29.6	37.6	46.0	8.4	Hori.
4	877.016	30.3	20.3	13.0	29.5	34.1	46.0	11.9	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.2MHz FSK 50kbps Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	879.732	24.6	20.3	13.0	29.5	28.4	46.0	17.6	Hori.
2	935.889	23.7	20.9	13.2	28.9	28.9	46.0	17.1	Hori.
3	877.986	32.4	20.3	13.0	29.5	36.2	46.0	9.8	Vert.
4	953.445	25.6	21.2	13.3	28.7	31.4	46.0	14.6	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.2MHz FSK 50kbps Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	33.7	15.7	10.3	30.3	29.4	46.0	16.6	Hori.
2	874.398	30.8	20.3	13.0	29.5	34.6	46.0	11.4	Hori.
3	938.120	26.2	21.0	13.2	28.9	31.5	46.0	14.5	Hori.
4	882.351	34.0	20.4	13.0	29.5	37.9	46.0	8.1	Vert.
5	941.127	25.8	21.0	13.2	28.8	31.2	46.0	14.8	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.4MHz FSK 150kbps X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	352.000	33.3	14.8	10.1	30.3	27.9	46.0	18.1	Hori.
2	384.000	34.2	15.7	10.3	30.3	29.9	46.0	16.1	Hori.
3	875.335	33.6	20.3	13.0	29.5	37.4	46.0	8.6	Hori.
4	869.685	29.6	20.3	13.0	29.6	33.3	46.0	12.7	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.4MHz FSK 150kbps Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	895.250	24.1	20.4	13.1	29.4	28.2	46.0	17.8	Hori.
2	873.331	31.9	20.3	13.0	29.5	35.7	46.0	10.3	Vert.
3	938.896	27.3	21.0	13.2	28.9	32.6	46.0	13.4	Vert.
4	958.197	26.1	21.2	13.3	28.7	31.9	46.0	14.1	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.4MHz FSK 150kbps Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	33.6	15.7	10.3	30.3	29.3	46.0	16.7	Hori.
2	870.324	31.0	20.3	13.0	29.6	34.7	46.0	11.3	Hori.
3	951.020	24.7	21.1	13.3	28.7	30.4	46.0	15.6	Hori.
4	880.896	30.7	20.4	13.0	29.5	34.6	46.0	11.4	Vert.
5	945.782	25.1	21.1	13.2	28.8	30.6	46.0	15.4	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.2MHz OFDM Option4 X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	352.000	33.7	14.8	10.1	30.3	28.3	46.0	17.7	Hori.
2	384.001	33.8	15.7	10.3	30.3	29.5	46.0	16.5	Hori.
3	871.682	32.0	20.3	13.0	29.6	35.7	46.0	10.3	Hori.
4	937.926	38.7	21.0	13.2	28.9	44.0	46.0	2.0	Hori.
5	955.578	29.7	21.2	13.3	28.7	35.5	46.0	10.5	Hori.
6	872.458	25.8	20.3	13.0	29.5	29.6	46.0	16.4	Vert.
7	938.260	30.9	21.0	13.2	28.9	36.2	46.0	9.8	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.2MHz OFDM Option4 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	937.441	26.4	21.0	13.2	28.9	31.7	46.0	14.3	Hori.
2	870.033	29.5	20.3	13.0	29.6	33.2	46.0	12.8	Vert.
3	938.314	36.1	21.0	13.2	28.9	41.4	46.0	4.6	Vert.
4	952.281	27.5	21.1	13.3	28.7	33.2	46.0	12.8	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.2MHz OFDM Option4 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	33.3	15.7	10.3	30.3	29.0	46.0	17.0	Hori.
2	873.428	31.2	20.3	13.0	29.5	35.0	46.0	11.0	Hori.
3	938.411	38.4	21.0	13.2	28.9	43.7	46.0	2.3	Hori.
4	952.960	29.7	21.2	13.3	28.7	35.5	46.0	10.5	Hori.
5	878.665	25.3	20.3	13.0	29.5	29.1	46.0	16.9	Vert.
6	938.023	28.0	21.0	13.2	28.9	33.3	46.0	12.7	Vert.
7	949.759	23.9	21.1	13.3	28.8	29.5	46.0	16.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.4MHz OFDM Option3 X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	352.000	33.6	14.8	10.1	30.3	28.2	46.0	17.8	Hori.
2	384.000	34.0	15.7	10.3	30.3	29.7	46.0	16.3	Hori.
3	871.488	32.1	20.3	13.0	29.6	35.8	46.0	10.2	Hori.
4	937.635	37.9	21.0	13.2	28.9	43.2	46.0	2.8	Hori.
5	949.468	29.8	21.1	13.3	28.8	35.4	46.0	10.6	Hori.
6	875.076	26.3	20.3	13.0	29.5	30.1	46.0	15.9	Vert.
7	938.023	30.7	21.0	13.2	28.9	36.0	46.0	10.0	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.4MHz OFDM Option3 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	938.120	27.5	21.0	13.2	28.9	32.8	46.0	13.2	Hori.
2	873.525	29.3	20.3	13.0	29.5	33.1	46.0	12.9	Vert.
3	937.926	36.7	21.0	13.2	28.9	42.0	46.0	4.0	Vert.
4	952.281	27.8	21.1	13.3	28.7	33.5	46.0	12.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.4MHz OFDM Option3 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	33.3	15.7	10.3	30.3	29.0	46.0	17.0	Hori.
2	873.816	31.2	20.3	13.0	29.5	35.0	46.0	11.0	Hori.
3	938.120	38.7	21.0	13.2	28.9	44.0	46.0	2.0	Hori.
4	950.341	29.4	21.1	13.3	28.7	35.1	46.0	10.9	Hori.
5	938.508	30.5	21.0	13.2	28.9	35.8	46.0	10.2	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.8MHz OFDM Option2 X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	352.000	33.6	14.8	10.1	30.3	28.2	46.0	17.8	Hori.
2	383.999	34.0	15.7	10.3	30.3	29.7	46.0	16.3	Hori.
3	870.324	30.9	20.3	13.0	29.6	34.6	46.0	11.4	Hori.
4	937.625	38.1	21.0	13.2	28.9	43.4	46.0	2.6	Hori.
5	952.572	29.4	21.1	13.3	28.7	35.1	46.0	10.9	Hori.
6	869.451	25.1	20.3	13.0	29.6	28.8	46.0	17.2	Vert.
7	937.829	29.9	21.0	13.2	28.9	35.2	46.0	10.8	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.8MHz OFDM Option2 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	937.344	27.6	21.0	13.2	28.9	32.9	46.0	13.1	Hori.
2	872.943	29.4	20.3	13.0	29.5	33.2	46.0	12.8	Vert.
3	938.217	37.0	21.0	13.2	28.9	42.3	46.0	3.7	Vert.
4	949.468	27.9	21.1	13.3	28.8	33.5	46.0	12.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.8MHz OFDM Option2 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	33.4	15.7	10.3	30.3	29.1	46.0	16.9	Hori.
2	868.578	30.7	20.3	12.9	29.6	34.3	46.0	11.7	Hori.
3	938.118	39.0	21.0	13.2	28.9	44.3	46.0	1.7	Hori.
4	956.645	29.1	21.2	13.3	28.7	34.9	46.0	11.1	Hori.
5	880.023	26.1	20.3	13.0	29.5	29.9	46.0	16.1	Vert.
6	938.023	30.9	21.0	13.2	28.9	36.2	46.0	9.8	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 903.2MHz OFDM Option1 X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	352.000	33.6	14.8	10.1	30.3	28.2	46.0	17.8	Hori.
2	383.999	34.0	15.7	10.3	30.3	29.7	46.0	16.3	Hori.
3	875.464	30.6	20.3	13.0	29.5	34.4	46.0	11.6	Hori.
4	938.120	38.3	21.0	13.2	28.9	43.6	46.0	2.4	Hori.
5	949.177	28.8	21.1	13.3	28.8	34.4	46.0	11.6	Hori.
6	937.926	30.0	21.0	13.2	28.9	35.3	46.0	10.7	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 903.2MHz OFDM Option1 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	938.702	26.9	21.0	13.2	28.9	32.2	46.0	13.8	Hori.
2	384.000	31.2	15.7	10.3	30.3	26.9	46.0	19.1	Vert.
3	873.913	28.2	20.3	13.0	29.5	32.0	46.0	14.0	Vert.
4	937.829	36.3	21.0	13.2	28.9	41.6	46.0	4.4	Vert.
5	950.438	27.3	21.1	13.3	28.7	33.0	46.0	13.0	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 903.2MHz OFDM Option1 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	33.5	15.7	10.3	30.3	29.2	46.0	16.8	Hori.
2	873.428	30.2	20.3	13.0	29.5	34.0	46.0	12.0	Hori.
3	937.622	38.1	21.0	13.2	28.9	43.4	46.0	2.6	Hori.
4	953.154	28.9	21.2	13.3	28.7	34.7	46.0	11.3	Hori.
5	883.806	25.0	20.4	13.0	29.4	29.0	46.0	17.0	Vert.
6	938.023	30.7	21.0	13.2	28.9	36.0	46.0	10.0	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.0MHz FSK 50kbps X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	352.000	33.5	14.8	10.1	30.3	28.1	46.0	17.9	Hori.
2	383.999	34.6	15.7	10.3	30.3	30.3	46.0	15.7	Hori.
3	870.615	31.5	20.3	13.0	29.6	35.2	46.0	10.8	Hori.
4	945.201	25.5	21.1	13.2	28.8	31.0	46.0	15.0	Hori.
5	869.451	24.8	20.3	13.0	29.6	28.5	46.0	17.5	Vert.
6	941.709	26.4	21.0	13.2	28.8	31.8	46.0	14.2	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.0MHz FSK 50kbps Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	869.063	29.3	20.3	13.0	29.6	33.0	46.0	13.0	Vert.
2	938.993	27.9	21.0	13.2	28.9	33.2	46.0	12.8	Vert.
3	943.261	26.7	21.0	13.2	28.8	32.1	46.0	13.9	Vert.
4	952.960	25.4	21.2	13.3	28.7	31.2	46.0	14.8	Vert.
5	960.525	24.7	21.3	13.3	28.6	30.7	53.9	23.2	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.0MHz FSK 50kbps Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	352.000	31.5	14.8	10.1	30.3	26.1	46.0	19.9	Hori.
2	384.000	34.2	15.7	10.3	30.3	29.9	46.0	16.1	Hori.
3	869.936	32.1	20.3	13.0	29.6	35.8	46.0	10.2	Hori.
4	948.789	25.6	21.1	13.3	28.8	31.2	46.0	14.8	Hori.
5	880.023	25.9	20.3	13.0	29.5	29.7	46.0	16.3	Vert.
6	949.468	28.1	21.1	13.3	28.8	33.7	46.0	12.3	Vert.
7	961.689	24.4	21.3	13.3	28.6	30.4	53.9	23.5	Vert.
8	965.762	23.0	21.3	13.3	28.6	29.0	53.9	24.9	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 915.2MHz FSK 150kbps X-plane*
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	351.999	33.6	14.8	10.1	30.3	28.2	46.0	17.8	Hori.
2	384.000	34.7	15.7	10.3	30.3	30.4	46.0	15.6	Hori.
3	873.525	31.2	20.3	13.0	29.5	35.0	46.0	11.0	Hori.
4	946.170	25.7	21.1	13.2	28.8	31.2	46.0	14.8	Hori.
5	872.652	24.4	20.3	13.0	29.5	28.2	46.0	17.8	Vert.
6	937.829	25.3	21.0	13.2	28.9	30.6	46.0	15.4	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 915.2MHz FSK 150kbps Y-plane*
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	866.832	23.3	20.3	12.9	29.6	26.9	46.0	19.1	Hori.
2	938.896	22.4	21.0	13.2	28.9	27.7	46.0	18.3	Hori.
3	384.000	31.0	15.7	10.3	30.3	26.7	46.0	19.3	Vert.
4	867.802	29.3	20.3	12.9	29.6	32.9	46.0	13.1	Vert.
5	939.478	26.5	21.0	13.2	28.9	31.8	46.0	14.2	Vert.
6	959.846	23.6	21.2	13.3	28.6	29.5	46.0	16.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 915.2MHz FSK 150kbps Z-plane*
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	34.3	15.7	10.3	30.3	30.0	46.0	16.0	Hori.
2	869.645	32.1	20.3	13.0	29.6	35.8	46.0	10.2	Hori.
3	939.190	28.0	21.0	13.2	28.9	33.3	46.0	12.7	Hori.
4	942.194	25.5	21.0	13.2	28.8	30.9	46.0	15.1	Hori.
5	872.264	26.1	20.3	13.0	29.6	29.8	46.0	16.2	Vert.
6	938.217	26.8	21.0	13.2	28.9	32.1	46.0	13.9	Vert.
7	942.776	29.5	21.0	13.2	28.8	34.9	46.0	11.1	Vert.
8	951.699	27.5	21.1	13.3	28.7	33.2	46.0	12.8	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.0MHz OFDM Option4 X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	352.000	33.3	14.8	10.1	30.3	27.9	46.0	18.1	Hori.
2	384.000	34.4	15.7	10.3	30.3	30.1	46.0	15.9	Hori.
3	864.505	30.6	20.3	12.9	29.6	34.2	46.0	11.8	Hori.
4	938.896	39.5	21.0	13.2	28.9	44.8	46.0	1.2	Hori.
5	951.408	31.1	21.1	13.3	28.7	36.8	46.0	9.2	Hori.
6	873.234	24.7	20.3	13.0	29.5	28.5	46.0	17.5	Vert.
7	938.314	30.1	21.0	13.2	28.9	35.4	46.0	10.6	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.0MHz OFDM Option4 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	938.963	30.0	21.0	13.2	28.9	35.3	46.0	10.7	Hori.
2	874.010	28.3	20.3	13.0	29.5	32.1	46.0	13.9	Vert.
3	938.940	37.8	21.0	13.2	28.9	43.1	46.0	2.9	Vert.
4	952.669	28.6	21.2	13.3	28.7	34.4	46.0	11.6	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.0MHz OFDM Option4 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	33.6	15.7	10.3	30.3	29.3	46.0	16.7	Hori.
2	877.792	29.0	20.3	13.0	29.5	32.8	46.0	13.2	Hori.
3	938.411	38.8	21.0	13.2	28.9	44.1	46.0	1.9	Hori.
4	953.833	30.3	21.2	13.3	28.7	36.1	46.0	9.9	Hori.
5	869.645	23.4	20.3	13.0	29.6	27.1	46.0	18.9	Vert.
6	937.635	29.5	21.0	13.2	28.9	34.8	46.0	11.2	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.2MHz OFDM Option3 X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	383.999	34.2	15.7	10.3	30.3	29.9	46.0	16.1	Hori.
2	867.317	30.5	20.3	12.9	29.6	34.1	46.0	11.9	Hori.
3	938.023	39.9	21.0	13.2	28.9	45.2	46.0	0.8	Hori.
4	951.796	31.1	21.1	13.3	28.7	36.8	46.0	9.2	Hori.
5	874.107	24.4	20.3	13.0	29.5	28.2	46.0	17.8	Vert.
6	937.926	30.6	21.0	13.2	28.9	35.9	46.0	10.1	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.2MHz OFDM Option3 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	938.605	27.9	21.0	13.2	28.9	33.2	46.0	12.8	Hori.
2	872.555	27.9	20.3	13.0	29.5	31.7	46.0	14.3	Vert.
3	939.090	37.0	21.0	13.2	28.9	42.3	46.0	3.7	Vert.
4	951.893	28.1	21.1	13.3	28.7	33.8	46.0	12.2	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.2MHz OFDM Option3 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	33.7	15.7	10.3	30.3	29.4	46.0	16.6	Hori.
2	872.749	30.2	20.3	13.0	29.5	34.0	46.0	12.0	Hori.
3	891.271	27.4	20.4	13.1	29.4	31.5	46.0	14.5	Hori.
4	938.411	39.3	21.0	13.2	28.9	44.6	46.0	1.4	Hori.
5	953.348	30.0	21.2	13.3	28.7	35.8	46.0	10.2	Hori.
6	873.525	23.4	20.3	13.0	29.5	27.2	46.0	18.8	Vert.
7	937.538	30.1	21.0	13.2	28.9	35.4	46.0	10.6	Vert.
8	952.960	23.8	21.2	13.3	28.7	29.6	46.0	16.4	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.6MHz OFDM Option2 X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	352.000	33.3	14.8	10.1	30.3	27.9	46.0	18.1	Hori.
2	384.000	34.3	15.7	10.3	30.3	30.0	46.0	16.0	Hori.
3	868.966	30.4	20.3	13.0	29.6	34.1	46.0	11.9	Hori.
4	891.468	27.6	20.4	13.1	29.4	31.7	46.0	14.3	Hori.
5	937.732	39.8	21.0	13.2	28.9	45.1	46.0	0.9	Hori.
6	952.087	30.8	21.1	13.3	28.7	36.5	46.0	9.5	Hori.
7	960.234	28.9	21.2	13.3	28.6	34.8	53.9	19.1	Hori.
8	872.652	24.5	20.3	13.0	29.5	28.3	46.0	17.7	Vert.
9	937.635	30.5	21.0	13.2	28.9	35.8	46.0	10.2	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.6MHz OFDM Option2 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	937.829	28.8	21.0	13.2	28.9	34.1	46.0	11.9	Hori.
2	874.979	27.4	20.3	13.0	29.5	31.2	46.0	14.8	Vert.
3	894.475	22.5	20.4	13.1	29.4	26.6	46.0	19.4	Vert.
4	938.120	36.8	21.0	13.2	28.9	42.1	46.0	3.9	Vert.
5	952.960	28.3	21.2	13.3	28.7	34.1	46.0	11.9	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.6MHz OFDM Option2 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	33.9	15.7	10.3	30.3	29.6	46.0	16.4	Hori.
2	866.832	30.0	20.3	12.9	29.6	33.6	46.0	12.4	Hori.
3	938.314	39.5	21.0	13.2	28.9	44.8	46.0	1.2	Hori.
4	953.348	30.0	21.2	13.3	28.7	35.8	46.0	10.2	Hori.
5	867.220	23.5	20.3	12.9	29.6	27.1	46.0	18.9	Vert.
6	938.411	31.6	21.0	13.2	28.9	36.9	46.0	9.1	Vert.
7	953.542	24.8	21.2	13.3	28.7	30.6	46.0	15.4	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.2MHz OFDM Option1 X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	352.000	33.3	14.8	10.1	30.3	27.9	46.0	18.1	Hori.
2	384.000	34.3	15.7	10.3	30.3	30.0	46.0	16.0	Hori.
3	868.093	30.1	20.3	12.9	29.6	33.7	46.0	12.3	Hori.
4	937.053	39.3	21.0	13.2	28.9	44.6	46.0	1.4	Hori.
5	954.318	30.8	21.2	13.3	28.7	36.6	46.0	9.4	Hori.
6	866.347	23.8	20.3	12.9	29.6	27.4	46.0	18.6	Vert.
7	937.926	30.7	21.0	13.2	28.9	36.0	46.0	10.0	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.2MHz OFDM Option1 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	906.598	22.0	20.5	13.1	29.2	26.4	46.0	19.6	Hori.
2	938.508	27.9	21.0	13.2	28.9	33.2	46.0	12.8	Hori.
3	870.130	27.5	20.3	13.0	29.6	31.2	46.0	14.8	Vert.
4	891.371	24.2	20.4	13.1	29.4	28.3	46.0	17.7	Vert.
5	938.702	36.3	21.0	13.2	28.9	41.6	46.0	4.4	Vert.
6	952.960	27.9	21.2	13.3	28.7	33.7	46.0	12.3	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.2MHz OFDM Option1 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	33.8	15.7	10.3	30.3	29.5	46.0	16.5	Hori.
2	870.033	29.3	20.3	13.0	29.6	33.0	46.0	13.0	Hori.
3	891.371	25.7	20.4	13.1	29.4	29.8	46.0	16.2	Hori.
4	938.702	39.7	21.0	13.2	28.9	45.0	46.0	1.0	Hori.
5	952.669	30.0	21.2	13.3	28.7	35.8	46.0	10.2	Hori.
6	874.010	23.3	20.3	13.0	29.5	27.1	46.0	18.9	Vert.
7	938.023	30.0	21.0	13.2	28.9	35.3	46.0	10.7	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.8MHz FSK 50kbps X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBμV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Ant.
1	352.000	33.4	14.8	10.1	30.3	28.0	46.0	18.0	Hori.
2	384.000	33.8	15.7	10.3	30.3	29.5	46.0	16.5	Hori.
3	867.317	31.6	20.3	12.9	29.6	35.2	46.0	10.8	Hori.
4	935.792	32.0	20.9	13.2	28.9	37.2	46.0	8.8	Hori.
5	869.160	24.5	20.3	13.0	29.6	28.2	46.0	17.8	Vert.
6	939.187	34.4	21.0	13.2	28.9	39.7	46.0	6.3	Vert.
7	945.491	31.8	21.1	13.2	28.8	37.3	46.0	8.7	Vert.
8	947.528	32.1	21.1	13.2	28.8	37.6	46.0	8.4	Vert.
9	950.729	29.7	21.1	13.3	28.7	35.4	46.0	10.6	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.8MHz FSK 50kbps Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBμV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Ant.
1	940.254	24.8	21.0	13.2	28.9	30.1	46.0	15.9	Hori.
2	384.000	31.7	15.7	10.3	30.3	27.4	46.0	18.6	Vert.
3	868.093	30.1	20.3	12.9	29.6	33.7	46.0	12.3	Vert.
4	935.773	32.4	20.9	13.2	28.9	37.6	46.0	8.4	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.8MHz FSK 50kbps Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBμV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Ant.
1	384.000	33.7	15.7	10.3	30.3	29.4	46.0	16.6	Hori.
2	866.541	31.6	20.3	12.9	29.6	35.2	46.0	10.8	Hori.
3	935.796	31.9	20.9	13.2	28.9	37.1	46.0	8.9	Hori.
4	876.628	24.9	20.3	13.0	29.5	28.7	46.0	17.3	Vert.
5	938.023	35.4	21.0	13.2	28.9	40.7	46.0	5.3	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 927.6MHz FSK 150kbps X-plane*
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	352.000	33.6	14.8	10.1	30.3	28.2	46.0	17.8	Hori.
2	383.999	34.3	15.7	10.3	30.3	30.0	46.0	16.0	Hori.
3	870.518	31.8	20.3	13.0	29.6	35.5	46.0	10.5	Hori.
4	937.538	34.2	21.0	13.2	28.9	39.5	46.0	6.5	Hori.
5	947.722	28.4	21.1	13.2	28.8	33.9	46.0	12.1	Hori.
6	869.548	24.5	20.3	13.0	29.6	28.2	46.0	17.8	Vert.
7	937.150	33.3	21.0	13.2	28.9	38.6	46.0	7.4	Vert.
8	945.782	31.8	21.1	13.2	28.8	37.3	46.0	8.7	Vert.
9	951.311	30.4	21.1	13.3	28.7	36.1	46.0	9.9	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 927.6MHz FSK 150kbps Y-plane*
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	937.175	24.9	21.0	13.2	28.9	30.2	46.0	15.8	Hori.
2	942.485	25.3	21.0	13.2	28.8	30.7	46.0	15.3	Hori.
3	867.705	30.2	20.3	12.9	29.6	33.8	46.0	12.2	Vert.
4	937.053	33.6	21.0	13.2	28.9	38.9	46.0	7.1	Vert.
5	951.408	28.9	21.1	13.3	28.7	34.6	46.0	11.4	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 927.6MHz FSK 150kbps Z-plane*
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	33.7	15.7	10.3	30.3	29.4	46.0	16.6	Hori.
2	874.204	31.1	20.3	13.0	29.5	34.9	46.0	11.1	Hori.
3	937.150	34.3	21.0	13.2	28.9	39.6	46.0	6.4	Hori.
4	843.623	24.9	20.1	12.8	29.8	28.0	46.0	18.0	Vert.
5	878.851	24.7	20.3	13.0	29.5	28.5	46.0	17.5	Vert.
6	937.247	37.4	21.0	13.2	28.9	42.7	46.0	3.3	Vert.
7	942.000	36.1	21.0	13.2	28.8	41.5	46.0	4.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.8MHz OFDM Option4 X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	352.001	33.1	14.8	10.1	30.3	27.7	46.0	18.3	Hori.
2	384.000	33.8	15.7	10.3	30.3	29.5	46.0	16.5	Hori.
3	875.367	30.4	20.3	13.0	29.5	34.2	46.0	11.8	Hori.
4	891.759	25.5	20.4	13.1	29.4	29.6	46.0	16.4	Hori.
5	937.247	39.6	21.0	13.2	28.9	44.9	46.0	1.1	Hori.
6	951.796	34.4	21.1	13.3	28.7	40.1	46.0	5.9	Hori.
7	873.719	23.9	20.3	13.0	29.5	27.7	46.0	18.3	Vert.
8	938.217	32.6	21.0	13.2	28.9	37.9	46.0	8.1	Vert.
9	951.699	24.8	21.1	13.3	28.7	30.5	46.0	15.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.8MHz OFDM Option4 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	937.924	27.6	21.0	13.2	28.9	32.9	46.0	13.1	Hori.
2	870.906	28.8	20.3	13.0	29.6	32.5	46.0	13.5	Vert.
3	938.014	38.0	21.0	13.2	28.9	43.3	46.0	2.7	Vert.
4	951.699	30.6	21.1	13.3	28.7	36.3	46.0	9.7	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.8MHz OFDM Option4 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	33.6	15.7	10.3	30.3	29.3	46.0	16.7	Hori.
2	860.334	29.3	20.2	12.9	29.7	32.7	46.0	13.3	Hori.
3	937.732	39.4	21.0	13.2	28.9	44.7	46.0	1.3	Hori.
4	951.771	33.5	21.1	13.3	28.7	39.2	46.0	6.8	Hori.
5	937.065	32.3	21.0	13.2	28.9	37.6	46.0	8.4	Vert.
6	943.746	30.7	21.0	13.2	28.8	36.1	46.0	9.9	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz OFDM Option3 X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	351.999	33.3	14.8	10.1	30.3	27.9	46.0	18.1	Hori.
2	384.000	34.2	15.7	10.3	30.3	29.9	46.0	16.1	Hori.
3	871.973	30.1	20.3	13.0	29.6	33.8	46.0	12.2	Hori.
4	937.829	40.0	21.0	13.2	28.9	45.3	46.0	0.7	Hori.
5	951.214	31.0	21.1	13.3	28.7	36.7	46.0	9.3	Hori.
6	871.488	23.7	20.3	13.0	29.6	27.4	46.0	18.6	Vert.
7	937.247	30.1	21.0	13.2	28.9	35.4	46.0	10.6	Vert.
8	952.087	25.6	21.1	13.3	28.7	31.3	46.0	14.7	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz OFDM Option3 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	937.150	26.8	21.0	13.2	28.9	32.1	46.0	13.9	Hori.
2	870.033	28.3	20.3	13.0	29.6	32.0	46.0	14.0	Vert.
3	937.903	37.7	21.0	13.2	28.9	43.0	46.0	3.0	Vert.
4	951.602	30.9	21.1	13.3	28.7	36.6	46.0	9.4	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz OFDM Option3 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	383.999	33.3	15.7	10.3	30.3	29.0	46.0	17.0	Hori.
2	871.876	30.0	20.3	13.0	29.6	33.7	46.0	12.3	Hori.
3	891.477	25.2	20.4	13.1	29.4	29.3	46.0	16.7	Hori.
4	938.436	39.6	21.0	13.2	28.9	44.9	46.0	1.1	Hori.
5	951.625	32.7	21.1	13.3	28.7	38.4	46.0	7.6	Hori.
6	938.112	29.9	21.0	13.2	28.9	35.2	46.0	10.8	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz OFDM Option2 X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	34.0	15.7	10.3	30.3	29.7	46.0	16.3	Hori.
2	869.451	29.7	20.3	13.0	29.6	33.4	46.0	12.6	Hori.
3	937.829	39.6	21.0	13.2	28.9	44.9	46.0	1.1	Hori.
4	950.050	30.4	21.1	13.3	28.7	36.1	46.0	9.9	Hori.
5	873.428	24.4	20.3	13.0	29.5	28.2	46.0	17.8	Vert.
6	937.538	29.8	21.0	13.2	28.9	35.1	46.0	10.9	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz OFDM Option2 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	937.866	27.8	21.0	13.2	28.9	33.1	46.0	12.9	Hori.
2	870.809	28.7	20.3	13.0	29.6	32.4	46.0	13.6	Vert.
3	937.829	38.6	21.0	13.2	28.9	43.9	46.0	2.1	Vert.
4	951.633	31.2	21.1	13.3	28.7	36.9	46.0	9.1	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz OFDM Option2 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	33.5	15.7	10.3	30.3	29.2	46.0	16.8	Hori.
2	870.712	30.1	20.3	13.0	29.6	33.8	46.0	12.2	Hori.
3	891.117	25.6	20.4	13.1	29.4	29.7	46.0	16.3	Hori.
4	937.732	40.3	21.0	13.2	28.9	45.6	46.0	0.4	Hori.
5	951.505	32.7	21.1	13.3	28.7	38.4	46.0	7.6	Hori.
6	937.748	30.1	21.0	13.2	28.9	35.4	46.0	10.6	Vert.
7	942.000	30.5	21.0	13.2	28.8	35.9	46.0	10.1	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.2MHz OFDM Option1 X-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.000	34.0	15.7	10.3	30.3	29.7	46.0	16.3	Hori.
2	870.906	29.5	20.3	13.0	29.6	33.2	46.0	12.8	Hori.
3	937.344	39.1	21.0	13.2	28.9	44.4	46.0	1.6	Hori.
4	953.639	30.5	21.2	13.3	28.7	36.3	46.0	9.7	Hori.
5	871.100	24.4	20.3	13.0	29.6	28.1	46.0	17.9	Vert.
6	937.926	30.3	21.0	13.2	28.9	35.6	46.0	10.4	Vert.
7	951.408	23.9	21.1	13.3	28.7	29.6	46.0	16.4	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.2MHz OFDM Option1 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	938.217	28.0	21.0	13.2	28.9	33.3	46.0	12.7	Hori.
2	868.578	28.0	20.3	12.9	29.6	31.6	46.0	14.4	Vert.
3	937.926	37.8	21.0	13.2	28.9	43.1	46.0	2.9	Vert.
4	951.505	29.7	21.1	13.3	28.7	35.4	46.0	10.6	Vert.

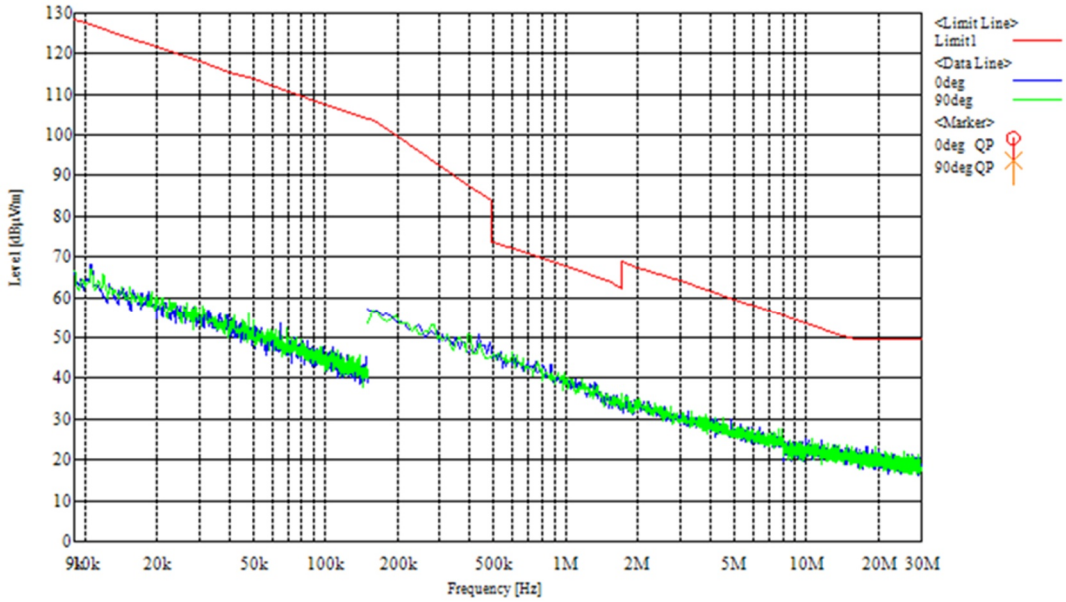
Note: All other emissions have more than 20 dB margin or are below the noise floor.

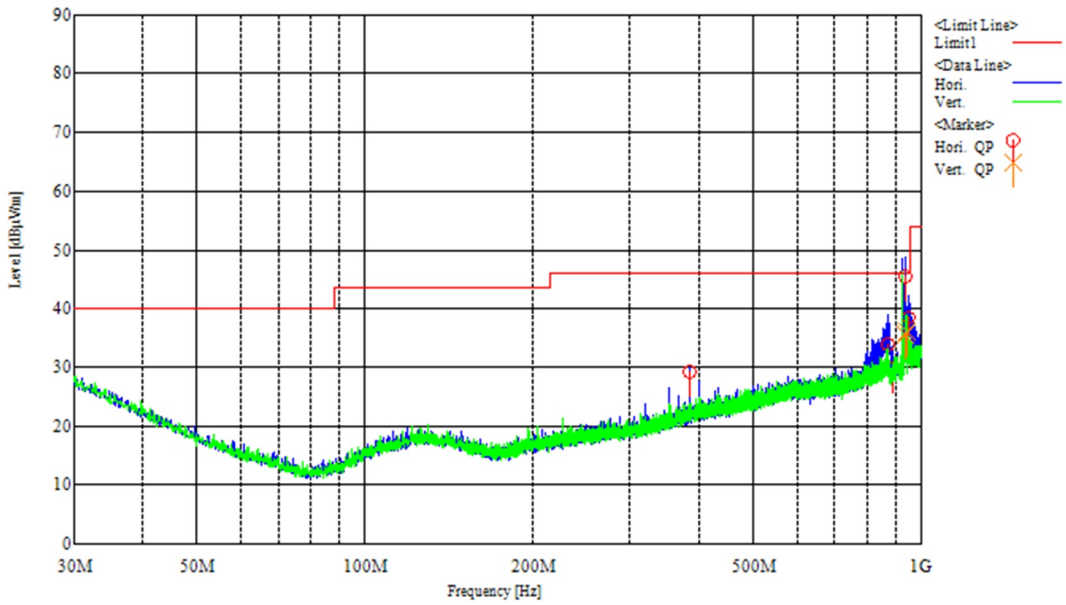
Operating mode: Tx 927.2MHz OFDM Option1 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading [dBµV]	Factor [dB/m]	Loss [dB]	Gain [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Ant.
1	384.001	33.5	15.7	10.3	30.3	29.2	46.0	16.8	Hori.
2	875.561	29.2	20.3	13.0	29.5	33.0	46.0	13.0	Hori.
3	937.829	39.9	21.0	13.2	28.9	45.2	46.0	0.8	Hori.
4	953.542	30.5	21.2	13.3	28.7	36.3	46.0	9.7	Hori.
5	960.816	28.2	21.3	13.3	28.6	34.2	53.9	19.7	Hori.
6	866.929	23.8	20.3	12.9	29.6	27.4	46.0	18.6	Vert.
7	938.023	30.9	21.0	13.2	28.9	36.2	46.0	9.8	Vert.
8	945.782	27.4	21.1	13.2	28.8	32.9	46.0	13.1	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

[Chart] Tx 927.6MHz OFDM Option2 Z-plane





[Day1]

Tested Date:	26 Oct. 2022	Temperature:	21 degC
Humidity:	40 %	Atmos. Press:	1022 hPa

[Day2]

Tested Date:	27 Oct. 2022	Temperature:	19 degC
Humidity:	42 %	Atmos. Press:	1024 hPa

[Day3]

Tested Date:	28 Oct. 2022	Temperature:	19 degC
Humidity:	42 %	Atmos. Press:	1024 hPa

[Day4]

Tested Date:	01 Nov. 2022	Temperature:	21 degC
Humidity:	46 %	Atmos. Press:	1020 hPa

[Day5]

Tested Date:	02 Nov. 2022	Temperature:	21 degC
Humidity:	50 %	Atmos. Press:	1016 hPa

[Day6]

Tested Date:	10 Nov. 2022	Temperature:	21 degC
Humidity:	41 %	Atmos. Press:	1021 hPa

[Day7]

Tested Date:	06 Dec. 2022	Temperature:	19 degC
Humidity:	42 %	Atmos. Press:	1013 hPa

[Day8]

Tested Date:	08 Dec. 2022	Temperature:	18 degC
Humidity:	41 %	Atmos. Press:	1014 hPa

Test Data (above 1000MHz)

Configuration: 2

Operating mode: Tx 902.2MHz FSK 50kbps X-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2706.676	54.3	51.9	-3.7	50.6	48.2	73.9	53.9	23.3	5.7	Hori.
2	4511.125	44.3	35.7	0.8	45.1	36.5	73.9	53.9	28.8	17.4	Hori.
3	5413.050	43.9	35.8	2.3	46.2	38.1	73.9	53.9	27.7	15.8	Hori.
4	8119.578	43.7	34.4	7.8	51.5	42.2	73.9	53.9	22.4	11.7	Hori.
5	9022.249	45.6	37.4	9.0	54.6	46.4	73.9	53.9	19.3	7.5	Hori.
6	2706.524	53.2	50.1	-3.7	49.5	46.4	73.9	53.9	24.4	7.5	Vert.
7	5413.349	43.8	33.0	2.3	46.1	35.3	73.9	53.9	27.8	18.6	Vert.
8	8120.025	43.5	33.5	7.8	51.3	41.3	73.9	53.9	22.6	12.6	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.2MHz FSK 50kbps Y-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2706.675	56.1	54.0	-3.7	52.4	50.3	73.9	53.9	21.5	3.6	Hori.
2	3608.900	49.2	44.3	-1.3	47.9	43.0	73.9	53.9	26.0	10.9	Hori.
3	5413.351	46.1	39.7	2.3	48.4	42.0	73.9	53.9	25.5	11.9	Hori.
4	8120.025	47.5	41.3	7.8	55.3	49.1	73.9	53.9	18.6	4.8	Hori.
5	9022.253	44.8	36.2	9.0	53.8	45.2	73.9	53.9	20.1	8.7	Hori.
6	2706.524	53.7	51.0	-3.7	50.0	47.3	73.9	53.9	23.9	6.6	Vert.
7	4510.875	45.0	35.4	0.8	45.8	36.2	73.9	53.9	28.1	17.7	Vert.
8	5413.053	44.4	36.8	2.3	46.7	39.1	73.9	53.9	27.2	14.8	Vert.
9	8119.578	43.5	33.9	7.8	51.3	41.7	73.9	53.9	22.6	12.2	Vert.
10	9022.248	46.6	39.5	9.0	55.6	48.5	73.9	53.9	18.3	5.4	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 902.2MHz FSK 50kbps Z-plane*

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2706.675	54.9	52.6	-3.7	51.2	48.9	73.9	53.9	22.7	5.0	Hori.
2	3608.702	50.1	45.3	-1.3	48.8	44.0	73.9	53.9	25.1	9.9	Hori.
3	4511.125	45.3	37.7	0.8	46.1	38.5	73.9	53.9	27.8	15.4	Hori.
4	5413.352	45.0	37.6	2.3	47.3	39.9	73.9	53.9	26.6	14.0	Hori.
5	8119.576	44.2	36.2	7.8	52.0	44.0	73.9	53.9	21.9	9.9	Hori.
6	9022.247	46.9	40.3	9.0	55.9	49.3	73.9	53.9	18.0	4.6	Hori.
7	2706.675	55.4	53.2	-3.7	51.7	49.5	73.9	53.9	22.2	4.4	Vert.
8	5413.349	46.2	39.9	2.3	48.5	42.2	73.9	53.9	25.4	11.7	Vert.
9	8120.026	43.9	35.1	7.8	51.7	42.9	73.9	53.9	22.2	11.0	Vert.
10	9022.252	46.5	39.8	9.0	55.5	48.8	73.9	53.9	18.4	5.1	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.4MHz FSK 150kbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2707.087	54.1	51.5	-3.7	50.4	47.8	73.9	53.9	23.5	6.1	Hori.
2	3609.448	48.2	42.1	-1.3	46.9	40.8	73.9	53.9	27.0	13.1	Hori.
3	4512.179	44.9	35.5	0.8	45.7	36.3	73.9	53.9	28.2	17.6	Hori.
4	5414.174	44.0	34.9	2.3	46.3	37.2	73.9	53.9	27.6	16.7	Hori.
5	8121.261	43.8	33.2	7.8	51.6	41.0	73.9	53.9	22.3	12.9	Hori.
6	9023.619	45.4	36.2	9.0	54.4	45.2	73.9	53.9	19.5	8.7	Hori.
7	2707.087	53.0	49.8	-3.7	49.3	46.1	73.9	53.9	24.6	7.8	Vert.
8	3609.449	48.3	42.4	-1.3	47.0	41.1	73.9	53.9	26.9	12.8	Vert.
9	5414.174	43.0	32.5	2.3	45.3	34.8	73.9	53.9	28.6	19.1	Vert.
10	8121.267	43.9	32.7	7.8	51.7	40.5	73.9	53.9	22.2	13.4	Vert.
11	9023.621	45.7	36.1	9.0	54.7	45.1	73.9	53.9	19.2	8.8	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.4MHz FSK 150kbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2707.087	56.6	54.4	-3.7	52.9	50.7	73.9	53.9	21.0	3.2	Hori.
2	3609.448	49.2	44.1	-1.3	47.9	42.8	73.9	53.9	26.0	11.1	Hori.
3	5414.174	46.3	38.9	2.3	48.6	41.2	73.9	53.9	25.3	12.7	Hori.
4	8121.262	47.1	39.4	7.8	54.9	47.2	73.9	53.9	19.0	6.7	Hori.
5	9023.623	45.2	35.3	9.0	54.2	44.3	73.9	53.9	19.7	9.6	Hori.
6	2707.089	54.3	51.3	-3.7	50.6	47.6	73.9	53.9	23.3	6.3	Vert.
7	3609.448	45.7	36.3	-1.3	44.4	35.0	73.9	53.9	29.5	18.9	Vert.
8	4511.810	44.3	34.8	0.8	45.1	35.6	73.9	53.9	28.8	18.3	Vert.
9	5414.176	44.4	35.7	2.3	46.7	38.0	73.9	53.9	27.2	15.9	Vert.
10	8121.266	44.1	32.6	7.8	51.9	40.4	73.9	53.9	22.0	13.5	Vert.
11	9023.625	46.4	38.0	9.0	55.4	47.0	73.9	53.9	18.5	6.9	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 902.4MHz FSK 150kbps Z-plane*

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2707.085	54.6	52.0	-3.7	50.9	48.3	73.9	53.9	23.0	5.6	Hori.
2	3609.448	49.6	44.6	-1.3	48.3	43.3	73.9	53.9	25.6	10.6	Hori.
3	4511.813	45.4	37.1	0.8	46.2	37.9	73.9	53.9	27.7	16.0	Hori.
4	5414.175	45.0	36.5	2.3	47.3	38.8	73.9	53.9	26.6	15.1	Hori.
5	8121.936	44.5	34.7	7.8	52.3	42.5	73.9	53.9	21.6	11.4	Hori.
6	9023.628	47.8	39.0	9.0	56.8	48.0	73.9	53.9	17.1	5.9	Hori.
7	2707.086	55.4	53.0	-3.7	51.7	49.3	73.9	53.9	22.2	4.6	Vert.
8	5414.176	46.2	38.6	2.3	48.5	40.9	73.9	53.9	25.4	13.0	Vert.
9	8121.935	44.2	34.0	7.8	52.0	41.8	73.9	53.9	21.9	12.1	Vert.
10	9023.626	46.9	38.4	9.0	55.9	47.4	73.9	53.9	18.0	6.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.2MHz OFDM Option4 X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2706.590	56.7	45.1	-3.7	53.0	41.4	73.9	53.9	20.9	12.5	Hori.
2	3608.806	48.8	36.3	-1.3	47.5	35.0	73.9	53.9	26.4	18.9	Hori.
3	5413.188	44.6	31.9	2.3	46.9	34.2	73.9	53.9	27.0	19.7	Hori.
4	8119.938	43.4	29.8	7.8	51.2	37.6	73.9	53.9	22.7	16.3	Hori.
5	9022.003	47.2	32.5	9.0	56.2	41.5	73.9	53.9	17.7	12.4	Hori.
6	2706.580	55.3	43.7	-3.7	51.6	40.0	73.9	53.9	22.3	13.9	Vert.
7	3608.789	48.8	36.7	-1.3	47.5	35.4	73.9	53.9	26.4	18.5	Vert.
8	8119.688	42.7	29.5	7.8	50.5	37.3	73.9	53.9	23.4	16.6	Vert.
9	9021.895	46.4	32.5	9.0	55.4	41.5	73.9	53.9	18.5	12.4	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.2MHz OFDM Option4 Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2706.593	58.4	47.2	-3.7	54.7	43.5	73.9	53.9	19.2	10.4	Hori.
2	3608.758	49.4	36.9	-1.3	48.1	35.6	73.9	53.9	25.8	18.3	Hori.
3	5413.166	47.3	33.8	2.3	49.6	36.1	73.9	53.9	24.3	17.8	Hori.
4	8119.803	47.7	35.2	7.8	55.5	43.0	73.9	53.9	18.4	10.9	Hori.
5	9022.051	45.9	31.8	9.0	54.9	40.8	73.9	53.9	19.0	13.1	Hori.
6	2706.612	56.3	43.9	-3.7	52.6	40.2	73.9	53.9	21.3	13.7	Vert.
7	5413.178	45.2	32.3	2.3	47.5	34.6	73.9	53.9	26.4	19.3	Vert.
8	8119.688	43.1	30.0	7.8	50.9	37.8	73.9	53.9	23.0	16.1	Vert.
9	9022.016	48.4	34.4	9.0	57.4	43.4	73.9	53.9	16.5	10.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.2MHz OFDM Option4 Z-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2706.607	56.9	44.7	-3.7	53.2	41.0	73.9	53.9	20.7	12.9	Hori.
2	3608.765	50.0	37.8	-1.3	48.7	36.5	73.9	53.9	25.2	17.4	Hori.
3	5413.207	45.8	32.8	2.3	48.1	35.1	73.9	53.9	25.8	18.8	Hori.
4	8119.792	44.3	31.4	7.8	52.1	39.2	73.9	53.9	21.8	14.7	Hori.
5	9022.026	49.2	35.3	9.0	58.2	44.3	73.9	53.9	15.7	9.6	Hori.
6	2706.599	57.6	45.7	-3.7	53.9	42.0	73.9	53.9	20.0	11.9	Vert.
7	5413.193	47.4	33.9	2.3	49.7	36.2	73.9	53.9	24.2	17.7	Vert.
8	8119.779	43.8	30.9	7.8	51.6	38.7	73.9	53.9	22.3	15.2	Vert.
9	9022.043	48.7	34.7	9.0	57.7	43.7	73.9	53.9	16.2	10.2	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.4MHz OFDM Option3 X-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2707.198	57.1	44.6	-3.7	53.4	40.9	73.9	53.9	20.5	13.0	Hori.
2	3609.595	48.6	35.8	-1.3	47.3	34.5	73.9	53.9	26.6	19.4	Hori.
3	5414.512	44.9	31.4	2.3	47.2	33.7	73.9	53.9	26.7	20.2	Hori.
4	8121.188	42.6	28.8	7.8	50.4	36.6	73.9	53.9	23.5	17.3	Hori.
5	9024.098	46.8	31.6	9.0	55.8	40.6	73.9	53.9	18.1	13.3	Hori.
6	2707.222	55.4	43.1	-3.7	51.7	39.4	73.9	53.9	22.2	14.5	Vert.
7	3609.605	48.7	36.1	-1.3	47.4	34.8	73.9	53.9	26.5	19.1	Vert.
8	9024.160	46.9	31.5	9.0	55.9	40.5	73.9	53.9	18.0	13.4	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.4MHz OFDM Option3 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2707.211	58.8	47.3	-3.7	55.1	43.6	73.9	53.9	18.8	10.3	Hori.
2	3609.598	50.2	37.1	-1.3	48.9	35.8	73.9	53.9	25.0	18.1	Hori.
3	5414.402	47.9	33.7	2.3	50.2	36.0	73.9	53.9	23.7	17.9	Hori.
4	8121.542	47.2	33.8	7.8	55.0	41.6	73.9	53.9	18.9	12.3	Hori.
5	9024.006	46.3	31.1	9.0	55.3	40.1	73.9	53.9	18.6	13.8	Hori.
6	2707.210	56.2	44.2	-3.7	52.5	40.5	73.9	53.9	21.4	13.4	Vert.
7	5414.402	45.7	32.2	2.3	48.0	34.5	73.9	53.9	25.9	19.4	Vert.
8	9024.006	48.3	33.3	9.0	57.3	42.3	73.9	53.9	16.6	11.6	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.4MHz OFDM Option3 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2707.176	57.3	44.5	-3.7	53.6	40.8	73.9	53.9	20.3	13.1	Hori.
2	3609.599	49.8	37.6	-1.3	48.5	36.3	73.9	53.9	25.4	17.6	Hori.
3	4512.015	50.1	33.1	0.8	50.9	33.9	73.9	53.9	23.0	20.0	Hori.
4	5414.423	46.2	32.6	2.3	48.5	34.9	73.9	53.9	25.4	19.0	Hori.
5	8121.438	44.1	30.7	7.8	51.9	38.5	73.9	53.9	22.0	15.4	Hori.
6	9024.107	49.1	34.0	9.0	58.1	43.0	73.9	53.9	15.8	10.9	Hori.
7	2707.202	58.4	46.0	-3.7	54.7	42.3	73.9	53.9	19.2	11.6	Vert.
8	5414.421	48.1	33.6	2.3	50.4	35.9	73.9	53.9	23.5	18.0	Vert.
9	9024.107	48.6	33.6	9.0	57.6	42.6	73.9	53.9	16.3	11.3	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.8MHz OFDM Option2 X-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2708.371	56.6	43.5	-3.7	52.9	39.8	73.9	53.9	21.0	14.1	Hori.
2	3611.097	48.4	34.8	-1.4	47.0	33.4	73.9	53.9	26.9	20.5	Hori.
3	5416.734	44.4	30.5	2.3	46.7	32.8	73.9	53.9	27.2	21.1	Hori.
4	9028.098	46.6	30.7	9.0	55.6	39.7	73.9	53.9	18.3	14.2	Hori.
5	2708.399	55.1	42.2	-3.7	51.4	38.5	73.9	53.9	22.5	15.4	Vert.
6	3611.119	48.4	35.1	-1.4	47.0	33.7	73.9	53.9	26.9	20.2	Vert.
7	9027.994	46.6	30.6	9.0	55.6	39.6	73.9	53.9	18.3	14.3	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.8MHz OFDM Option2 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2708.394	58.6	46.3	-3.7	54.9	42.6	73.9	53.9	19.0	11.3	Hori.
2	3611.231	49.5	36.0	-1.4	48.1	34.6	73.9	53.9	25.8	19.3	Hori.
3	5416.861	47.4	32.4	2.3	49.7	34.7	73.9	53.9	24.2	19.2	Hori.
4	8124.938	47.0	31.9	7.8	54.8	39.7	73.9	53.9	19.1	14.2	Hori.
5	9027.899	46.1	30.2	9.0	55.1	39.2	73.9	53.9	18.8	14.7	Hori.
6	2708.386	55.9	43.1	-3.7	52.2	39.4	73.9	53.9	21.7	14.5	Vert.
7	5416.861	45.4	31.0	2.3	47.7	33.3	73.9	53.9	26.2	20.6	Vert.
8	9028.347	48.2	31.8	9.0	57.2	40.8	73.9	53.9	16.7	13.1	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 902.8MHz OFDM Option2 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2708.377	57.1	43.6	-3.7	53.4	39.9	73.9	53.9	20.5	14.0	Hori.
2	3611.219	49.6	36.6	-1.4	48.2	35.2	73.9	53.9	25.7	18.7	Hori.
3	5416.875	45.6	31.6	2.3	47.9	33.9	73.9	53.9	26.0	20.0	Hori.
4	8124.688	44.3	29.7	7.8	52.1	37.5	73.9	53.9	21.8	16.4	Hori.
5	9027.848	48.9	32.5	9.0	57.9	41.5	73.9	53.9	16.0	12.4	Hori.
6	2708.394	57.7	45.0	-3.7	54.0	41.3	73.9	53.9	19.9	12.6	Vert.
7	5416.875	47.1	32.3	2.3	49.4	34.6	73.9	53.9	24.5	19.3	Vert.
8	9028.098	48.2	32.3	9.0	57.2	41.3	73.9	53.9	16.7	12.6	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 903.2MHz OFDM Option1 X-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2709.479	55.5	41.6	-3.7	51.8	37.9	73.9	53.9	22.1	16.0	Hori.
2	3612.617	47.7	33.5	-1.4	46.3	32.1	73.9	53.9	27.6	21.8	Hori.
3	9032.097	45.0	29.7	9.0	54.0	38.7	73.9	53.9	19.9	15.2	Hori.
4	2709.479	54.0	40.4	-3.7	50.3	36.7	73.9	53.9	23.6	17.2	Vert.
5	3612.891	47.3	33.7	-1.4	45.9	32.3	73.9	53.9	28.0	21.6	Vert.
6	9032.347	45.0	29.6	9.0	54.0	38.6	73.9	53.9	19.9	15.3	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 903.2MHz OFDM Option1 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2709.575	57.5	44.5	-3.7	53.8	40.8	73.9	53.9	20.1	13.1	Hori.
2	3612.794	48.6	34.5	-1.4	47.2	33.1	73.9	53.9	26.7	20.8	Hori.
3	5419.230	46.6	31.1	2.3	48.9	33.4	73.9	53.9	25.0	20.5	Hori.
4	8128.437	46.5	30.6	7.9	54.4	38.5	73.9	53.9	19.5	15.4	Hori.
5	2709.524	54.8	41.3	-3.7	51.1	37.6	73.9	53.9	22.8	16.3	Vert.
6	9032.097	46.7	30.4	9.0	55.7	39.4	73.9	53.9	18.2	14.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 903.2MHz OFDM Option1 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2709.602	56.4	41.8	-3.7	52.7	38.1	73.9	53.9	21.2	15.8	Hori.
2	3612.780	48.7	34.9	-1.4	47.3	33.5	73.9	53.9	26.6	20.4	Hori.
3	5419.560	44.8	30.2	2.3	47.1	32.5	73.9	53.9	26.8	21.4	Hori.
4	8128.437	43.0	28.9	7.9	50.9	36.8	73.9	53.9	23.0	17.1	Hori.
5	9032.347	46.9	30.9	9.0	55.9	39.9	73.9	53.9	18.0	14.0	Hori.
6	2709.635	56.9	43.1	-3.7	53.2	39.4	73.9	53.9	20.7	14.5	Vert.
7	5419.344	46.2	30.9	2.3	48.5	33.2	73.9	53.9	25.4	20.7	Vert.
8	9031.097	46.5	30.2	9.0	55.5	39.2	73.9	53.9	18.4	14.7	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.0MHz FSK 50kbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2745.074	54.1	51.5	-3.5	50.6	48.0	73.9	53.9	23.3	5.9	Hori.
2	3660.098	48.5	43.0	-1.4	47.1	41.6	73.9	53.9	26.8	12.3	Hori.
3	4574.875	44.9	36.8	0.8	45.7	37.6	73.9	53.9	28.2	16.3	Hori.
4	7320.201	44.7	37.3	6.9	51.6	44.2	73.9	53.9	22.3	9.7	Hori.
5	8234.771	44.1	34.9	7.9	52.0	42.8	73.9	53.9	21.9	11.1	Hori.
6	9150.249	46.5	39.5	9.3	55.8	48.8	73.9	53.9	18.1	5.1	Hori.
7	2744.925	53.9	51.5	-3.5	50.4	48.0	73.9	53.9	23.5	5.9	Vert.
8	3660.099	47.9	42.7	-1.4	46.5	41.3	73.9	53.9	27.4	12.6	Vert.
9	4575.125	43.6	33.5	0.8	44.4	34.3	73.9	53.9	29.5	19.6	Vert.
10	7319.799	44.9	37.2	6.9	51.8	44.1	73.9	53.9	22.1	9.8	Vert.
11	8235.223	43.1	33.5	7.9	51.0	41.4	73.9	53.9	22.9	12.5	Vert.
12	9149.749	46.5	39.6	9.3	55.8	48.9	73.9	53.9	18.1	5.0	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.0MHz FSK 50kbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2744.924	56.8	54.8	-3.5	53.3	51.3	73.9	53.9	20.6	2.6	Hori.
2	3660.100	49.5	45.2	-1.4	48.1	43.8	73.9	53.9	25.8	10.1	Hori.
3	7319.799	45.9	39.4	6.9	52.8	46.3	73.9	53.9	21.1	7.6	Hori.
4	8235.219	46.5	40.4	7.9	54.4	48.3	73.9	53.9	19.5	5.6	Hori.
5	9149.750	45.4	36.8	9.3	54.7	46.1	73.9	53.9	19.2	7.8	Hori.
6	2744.925	54.0	51.8	-3.5	50.5	48.3	73.9	53.9	23.4	5.6	Vert.
7	3660.101	46.0	37.4	-1.4	44.6	36.0	73.9	53.9	29.3	17.9	Vert.
8	4574.875	45.0	36.7	0.8	45.8	37.5	73.9	53.9	28.1	16.4	Vert.
9	7319.798	46.6	40.2	6.9	53.5	47.1	73.9	53.9	20.4	6.8	Vert.
10	8234.775	42.9	32.2	7.9	50.8	40.1	73.9	53.9	23.1	13.8	Vert.
11	9150.252	48.0	41.8	9.3	57.3	51.1	73.9	53.9	16.6	2.8	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 915.0MHz FSK 50kbps Z-plane*

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2745.074	54.4	52.2	-3.5	50.9	48.7	73.9	53.9	23.0	5.2	Hori.
2	3660.100	49.1	44.4	-1.4	47.7	43.0	73.9	53.9	26.2	10.9	Hori.
3	4574.875	46.5	40.6	0.8	47.3	41.4	73.9	53.9	26.6	12.5	Hori.
4	7320.199	47.0	41.0	6.9	53.9	47.9	73.9	53.9	20.0	6.0	Hori.
5	8235.225	45.3	37.8	7.9	53.2	45.7	73.9	53.9	20.7	8.2	Hori.
6	9150.245	48.2	41.3	9.3	57.5	50.6	73.9	53.9	16.4	3.3	Hori.
7	2744.924	55.1	52.9	-3.5	51.6	49.4	73.9	53.9	22.3	4.5	Vert.
8	7319.799	45.0	38.1	6.9	51.9	45.0	73.9	53.9	22.0	8.9	Vert.
9	8235.227	44.5	35.8	7.9	52.4	43.7	73.9	53.9	21.5	10.2	Vert.
10	9150.248	48.5	42.3	9.3	57.8	51.6	73.9	53.9	16.1	2.3	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.2MHz FSK 150kbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2745.487	53.9	51.0	-3.5	50.4	47.5	73.9	53.9	23.5	6.4	Hori.
2	3660.650	48.4	42.5	-1.4	47.0	41.1	73.9	53.9	26.9	12.8	Hori.
3	4575.809	45.3	36.2	0.8	46.1	37.0	73.9	53.9	27.8	16.9	Hori.
4	7321.299	45.3	35.9	7.0	52.3	42.9	73.9	53.9	21.6	11.0	Hori.
5	8236.466	43.7	33.8	7.9	51.6	41.7	73.9	53.9	22.3	12.2	Hori.
6	9151.624	46.3	37.9	9.3	55.6	47.2	73.9	53.9	18.3	6.7	Hori.
7	2745.487	54.0	51.2	-3.5	50.5	47.7	73.9	53.9	23.4	6.2	Vert.
8	3660.650	47.8	42.3	-1.4	46.4	40.9	73.9	53.9	27.5	13.0	Vert.
9	4575.823	43.7	33.2	0.8	44.5	34.0	73.9	53.9	29.4	19.9	Vert.
10	7321.299	44.4	35.7	7.0	51.4	42.7	73.9	53.9	22.5	11.2	Vert.
11	8236.462	43.7	32.6	7.9	51.6	40.5	73.9	53.9	22.3	13.4	Vert.
12	9151.622	46.8	38.0	9.3	56.1	47.3	73.9	53.9	17.8	6.6	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.2MHz FSK 150kbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2745.488	56.4	54.4	-3.5	52.9	50.9	73.9	53.9	21.0	3.0	Hori.
2	3660.649	49.6	44.9	-1.4	48.2	43.5	73.9	53.9	25.7	10.4	Hori.
3	7321.300	45.7	38.2	7.0	52.7	45.2	73.9	53.9	21.2	8.7	Hori.
4	8237.134	46.9	39.0	7.9	54.8	46.9	73.9	53.9	19.1	7.0	Hori.
5	9151.627	45.7	35.5	9.3	55.0	44.8	73.9	53.9	18.9	9.1	Hori.
6	2745.488	54.4	51.5	-3.5	50.9	48.0	73.9	53.9	23.0	5.9	Vert.
7	3660.650	45.8	37.3	-1.4	44.4	35.9	73.9	53.9	29.5	18.0	Vert.
8	4575.811	45.2	36.1	0.8	46.0	36.9	73.9	53.9	27.9	17.0	Vert.
9	7321.300	46.1	38.9	7.0	53.1	45.9	73.9	53.9	20.8	8.0	Vert.
10	8237.133	43.2	31.5	7.9	51.1	39.4	73.9	53.9	22.8	14.5	Vert.
11	9152.371	48.1	40.1	9.3	57.4	49.4	73.9	53.9	16.5	4.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 915.2MHz FSK 150kbps Z-plane*

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2745.487	54.5	52.0	-3.5	51.0	48.5	73.9	53.9	22.9	5.4	Hori.
2	3660.649	48.9	44.2	-1.4	47.5	42.8	73.9	53.9	26.4	11.1	Hori.
3	4575.812	46.5	39.8	0.8	47.3	40.6	73.9	53.9	26.6	13.3	Hori.
4	7321.299	46.9	39.8	7.0	53.9	46.8	73.9	53.9	20.0	7.1	Hori.
5	8236.459	45.6	36.5	7.9	53.5	44.4	73.9	53.9	20.4	9.5	Hori.
6	9152.376	47.5	39.1	9.3	56.8	48.4	73.9	53.9	17.1	5.5	Hori.
7	2745.489	55.2	52.5	-3.5	51.7	49.0	73.9	53.9	22.2	4.9	Vert.
8	7321.300	45.2	37.1	7.0	52.2	44.1	73.9	53.9	21.7	9.8	Vert.
9	8236.454	44.3	34.7	7.9	52.2	42.6	73.9	53.9	21.7	11.3	Vert.
10	9151.623	48.3	40.0	9.3	57.6	49.3	73.9	53.9	16.3	4.6	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.0MHz OFDM Option4 X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2745.008	56.4	44.1	-3.5	52.9	40.6	73.9	53.9	21.0	13.3	Hori.
2	3660.020	48.2	35.9	-1.4	46.8	34.5	73.9	53.9	27.1	19.4	Hori.
3	4575.040	47.7	32.6	0.8	48.5	33.4	73.9	53.9	25.4	20.5	Hori.
4	7320.017	45.2	32.1	6.9	52.1	39.0	73.9	53.9	21.8	14.9	Hori.
5	8234.927	43.7	30.4	7.9	51.6	38.3	73.9	53.9	22.3	15.6	Hori.
6	9149.978	48.5	34.5	9.3	57.8	43.8	73.9	53.9	16.1	10.1	Hori.
7	2745.003	56.4	44.4	-3.5	52.9	40.9	73.9	53.9	21.0	13.0	Vert.
8	3659.998	48.2	35.8	-1.4	46.8	34.4	73.9	53.9	27.1	19.5	Vert.
9	7319.983	45.4	32.1	6.9	52.3	39.0	73.9	53.9	21.6	14.9	Vert.
10	8234.677	42.9	29.3	7.9	50.8	37.2	73.9	53.9	23.1	16.7	Vert.
11	9149.997	48.8	34.4	9.3	58.1	43.7	73.9	53.9	15.8	10.2	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.0MHz OFDM Option4 Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2744.986	59.1	47.3	-3.5	55.6	43.8	73.9	53.9	18.3	10.1	Hori.
2	3660.010	50.3	37.6	-1.4	48.9	36.2	73.9	53.9	25.0	17.7	Hori.
3	7320.002	45.8	33.3	6.9	52.7	40.2	73.9	53.9	21.2	13.7	Hori.
4	8235.030	47.6	34.4	7.9	55.5	42.3	73.9	53.9	18.4	11.6	Hori.
5	9150.047	46.1	32.1	9.3	55.4	41.4	73.9	53.9	18.5	12.5	Hori.
6	2745.005	55.6	43.3	-3.5	52.1	39.8	73.9	53.9	21.8	14.1	Vert.
7	7320.002	47.2	34.1	6.9	54.1	41.0	73.9	53.9	19.8	12.9	Vert.
8	9149.996	49.9	35.1	9.3	59.2	44.4	73.9	53.9	14.7	9.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 915.0MHz OFDM Option4 Z-plane*

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2744.981	57.1	44.5	-3.5	53.6	41.0	73.9	53.9	20.3	12.9	Hori.
2	3660.007	50.6	38.1	-1.4	49.2	36.7	73.9	53.9	24.7	17.2	Hori.
3	4575.017	51.6	35.9	0.8	52.4	36.7	73.9	53.9	21.5	17.2	Hori.
4	7320.006	47.0	34.9	6.9	53.9	41.8	73.9	53.9	20.0	12.1	Hori.
5	8235.021	45.1	32.0	7.9	53.0	39.9	73.9	53.9	20.9	14.0	Hori.
6	9149.999	49.7	34.9	9.3	59.0	44.2	73.9	53.9	14.9	9.7	Hori.
7	2744.989	57.4	45.6	-3.5	53.9	42.1	73.9	53.9	20.0	11.8	Vert.
8	7320.018	45.9	32.6	6.9	52.8	39.5	73.9	53.9	21.1	14.4	Vert.
9	8235.021	44.5	31.0	7.9	52.4	38.9	73.9	53.9	21.5	15.0	Vert.
10	9150.043	50.1	35.4	9.3	59.4	44.7	73.9	53.9	14.5	9.2	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.2MHz OFDM Option3 X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2745.623	56.0	43.4	-3.5	52.5	39.9	73.9	53.9	21.4	14.0	Hori.
2	3660.853	48.2	35.2	-1.4	46.8	33.8	73.9	53.9	27.1	20.1	Hori.
3	7321.654	44.8	31.2	7.0	51.8	38.2	73.9	53.9	22.1	15.7	Hori.
4	8236.427	43.0	29.1	7.9	50.9	37.0	73.9	53.9	23.0	16.9	Hori.
5	9152.085	48.1	32.4	9.3	57.4	41.7	73.9	53.9	16.5	12.2	Hori.
6	2745.590	56.2	43.9	-3.5	52.7	40.4	73.9	53.9	21.2	13.5	Vert.
7	3660.847	48.5	35.2	-1.4	47.1	33.8	73.9	53.9	26.8	20.1	Vert.
8	7321.654	44.9	31.3	7.0	51.9	38.3	73.9	53.9	22.0	15.6	Vert.
9	9152.030	48.3	32.5	9.3	57.6	41.8	73.9	53.9	16.3	12.1	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.2MHz OFDM Option3 Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2745.594	59.6	47.4	-3.5	56.1	43.9	73.9	53.9	17.8	10.0	Hori.
2	3660.812	50.4	37.7	-1.4	49.0	36.3	73.9	53.9	24.9	17.6	Hori.
3	7321.615	45.9	32.7	7.0	52.9	39.7	73.9	53.9	21.0	14.2	Hori.
4	8236.852	47.0	33.2	7.9	54.9	41.1	73.9	53.9	19.0	12.8	Hori.
5	9151.964	46.5	31.3	9.3	55.8	40.6	73.9	53.9	18.1	13.3	Hori.
6	2745.620	56.1	43.6	-3.5	52.6	40.1	73.9	53.9	21.3	13.8	Vert.
7	7321.615	47.4	33.6	7.0	54.4	40.6	73.9	53.9	19.5	13.3	Vert.
8	9152.074	49.7	33.9	9.3	59.0	43.2	73.9	53.9	14.9	10.7	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 915.2MHz OFDM Option3 Z-plane*

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2745.604	57.1	44.3	-3.5	53.6	40.8	73.9	53.9	20.3	13.1	Hori.
2	3660.813	49.6	37.1	-1.4	48.2	35.7	73.9	53.9	25.7	18.2	Hori.
3	4576.009	51.2	35.0	0.8	52.0	35.8	73.9	53.9	21.9	18.1	Hori.
4	7321.595	47.5	34.1	7.0	54.5	41.1	73.9	53.9	19.4	12.8	Hori.
5	8236.687	45.6	31.1	7.9	53.5	39.0	73.9	53.9	20.4	14.9	Hori.
6	9152.001	49.5	33.8	9.3	58.8	43.1	73.9	53.9	15.1	10.8	Hori.
7	2745.602	57.1	44.9	-3.5	53.6	41.4	73.9	53.9	20.3	12.5	Vert.
8	7321.595	45.2	31.7	7.0	52.2	38.7	73.9	53.9	21.7	15.2	Vert.
9	8236.862	44.0	30.2	7.9	51.9	38.1	73.9	53.9	22.0	15.8	Vert.
10	9151.993	50.0	34.4	9.3	59.3	43.7	73.9	53.9	14.6	10.2	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.6MHz OFDM Option2 X-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2746.809	55.6	42.5	-3.5	52.1	39.0	73.9	53.9	21.8	14.9	Hori.
2	3662.493	47.9	34.4	-1.4	46.5	33.0	73.9	53.9	27.4	20.9	Hori.
3	7324.817	44.5	30.2	7.0	51.5	37.2	73.9	53.9	22.4	16.7	Hori.
4	9156.159	48.6	31.3	9.3	57.9	40.6	73.9	53.9	16.0	13.3	Hori.
5	2746.788	56.0	42.9	-3.5	52.5	39.4	73.9	53.9	21.4	14.5	Vert.
6	3662.398	47.9	34.5	-1.4	46.5	33.1	73.9	53.9	27.4	20.8	Vert.
7	7324.817	44.5	30.2	7.0	51.5	37.2	73.9	53.9	22.4	16.7	Vert.
8	9156.488	47.7	30.9	9.3	57.0	40.2	73.9	53.9	16.9	13.7	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.6MHz OFDM Option2 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2746.755	58.8	46.2	-3.5	55.3	42.7	73.9	53.9	18.6	11.2	Hori.
2	3662.399	50.1	36.6	-1.4	48.7	35.2	73.9	53.9	25.2	18.7	Hori.
3	7324.849	46.1	31.4	7.0	53.1	38.4	73.9	53.9	20.8	15.5	Hori.
4	8240.436	46.7	31.5	7.9	54.6	39.4	73.9	53.9	19.3	14.5	Hori.
5	9156.103	45.5	30.1	9.3	54.8	39.4	73.9	53.9	19.1	14.5	Hori.
6	2746.817	55.5	42.2	-3.5	52.0	38.7	73.9	53.9	21.9	15.2	Vert.
7	7324.849	46.8	32.0	7.0	53.8	39.0	73.9	53.9	20.1	14.9	Vert.
8	9156.001	49.8	32.6	9.3	59.1	41.9	73.9	53.9	14.8	12.0	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.6MHz OFDM Option2 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2746.838	56.8	43.2	-3.5	53.3	39.7	73.9	53.9	20.6	14.2	Hori.
2	3662.465	49.5	36.0	-1.4	48.1	34.6	73.9	53.9	25.8	19.3	Hori.
3	4578.000	50.3	33.8	0.8	51.1	34.6	73.9	53.9	22.8	19.3	Hori.
4	7324.820	47.2	32.5	7.0	54.2	39.5	73.9	53.9	19.7	14.4	Hori.
5	8239.676	44.5	29.0	7.9	52.4	36.9	73.9	53.9	21.5	17.0	Hori.
6	9156.084	49.0	32.4	9.3	58.3	41.7	73.9	53.9	15.6	12.2	Hori.
7	2746.769	56.8	43.8	-3.5	53.3	40.3	73.9	53.9	20.6	13.6	Vert.
8	7324.820	45.0	30.5	7.0	52.0	37.5	73.9	53.9	21.9	16.4	Vert.
9	8239.926	44.5	29.3	7.9	52.4	37.2	73.9	53.9	21.5	16.7	Vert.
10	9156.091	49.7	32.9	9.3	59.0	42.2	73.9	53.9	14.9	11.7	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.2MHz OFDM Option1 X-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2745.704	55.1	40.7	-3.5	51.6	37.2	73.9	53.9	22.3	16.7	Hori.
2	3660.801	47.0	33.1	-1.4	45.6	31.7	73.9	53.9	28.3	22.2	Hori.
3	7321.818	44.7	29.2	7.0	51.7	36.2	73.9	53.9	22.2	17.7	Hori.
4	9151.835	47.5	30.2	9.3	56.8	39.5	73.9	53.9	17.1	14.4	Hori.
5	2745.631	54.7	41.1	-3.5	51.2	37.6	73.9	53.9	22.7	16.3	Vert.
6	3660.620	47.6	32.9	-1.4	46.2	31.5	73.9	53.9	27.7	22.4	Vert.
7	7321.771	43.7	29.2	7.0	50.7	36.2	73.9	53.9	23.2	17.7	Vert.
8	9151.835	47.2	30.2	9.3	56.5	39.5	73.9	53.9	17.4	14.4	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.2MHz OFDM Option1 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2745.633	58.0	44.4	-3.5	54.5	40.9	73.9	53.9	19.4	13.0	Hori.
2	3660.787	48.9	34.9	-1.4	47.5	33.5	73.9	53.9	26.4	20.4	Hori.
3	7322.076	44.9	30.0	7.0	51.9	37.0	73.9	53.9	22.0	16.9	Hori.
4	8236.634	46.1	30.2	7.9	54.0	38.1	73.9	53.9	19.9	15.8	Hori.
5	2745.691	54.5	40.6	-3.5	51.0	37.1	73.9	53.9	22.9	16.8	Vert.
6	7322.076	45.6	30.5	7.0	52.6	37.5	73.9	53.9	21.3	16.4	Vert.
7	9152.295	48.5	31.3	9.3	57.8	40.6	73.9	53.9	16.1	13.3	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 915.2MHz OFDM Option1 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2745.529	55.4	41.2	-3.5	51.9	37.7	73.9	53.9	22.0	16.2	Hori.
2	3660.838	48.8	34.5	-1.4	47.4	33.1	73.9	53.9	26.5	20.8	Hori.
3	7321.818	46.3	31.1	7.0	53.3	38.1	73.9	53.9	20.6	15.8	Hori.
4	9153.085	48.7	30.7	9.3	58.0	40.0	73.9	53.9	15.9	13.9	Hori.
5	2745.512	56.2	42.3	-3.5	52.7	38.8	73.9	53.9	21.2	15.1	Vert.
6	7321.945	43.7	29.4	7.0	50.7	36.4	73.9	53.9	23.2	17.5	Vert.
7	9152.585	47.6	31.2	9.3	56.9	40.5	73.9	53.9	17.0	13.4	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.8MHz FSK 50kbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	1049.590	55.0	42.1	-10.7	44.3	31.4	73.9	53.9	29.6	22.5	Hori.
2	2783.475	53.7	51.0	-3.4	50.3	47.6	73.9	53.9	23.6	6.3	Hori.
3	3711.099	48.0	42.2	-1.2	46.8	41.0	73.9	53.9	27.1	12.9	Hori.
4	4638.876	45.5	37.8	1.1	46.6	38.9	73.9	53.9	27.3	15.0	Hori.
5	7422.600	45.8	38.2	6.9	52.7	45.1	73.9	53.9	21.2	8.8	Hori.
6	8349.976	44.1	35.4	8.0	52.1	43.4	73.9	53.9	21.8	10.5	Hori.
7	2783.324	53.5	50.1	-3.4	50.1	46.7	73.9	53.9	23.8	7.2	Vert.
8	3711.301	48.1	42.7	-1.2	46.9	41.5	73.9	53.9	27.0	12.4	Vert.
9	4638.874	44.1	34.7	1.1	45.2	35.8	73.9	53.9	28.7	18.1	Vert.
10	7422.598	45.2	37.4	6.9	52.1	44.3	73.9	53.9	21.8	9.6	Vert.
11	8350.418	43.6	34.3	8.0	51.6	42.3	73.9	53.9	22.3	11.6	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.8MHz FSK 50kbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2783.475	56.3	54.1	-3.4	52.9	50.7	73.9	53.9	21.0	3.2	Hori.
2	3711.300	50.2	45.7	-1.2	49.0	44.5	73.9	53.9	24.9	9.4	Hori.
3	7422.599	47.6	40.8	6.9	54.5	47.7	73.9	53.9	19.4	6.2	Hori.
4	8350.422	45.5	38.6	8.0	53.5	46.6	73.9	53.9	20.4	7.3	Hori.
5	1050.790	55.0	41.4	-10.7	44.3	30.7	73.9	53.9	29.6	23.2	Vert.
6	2783.475	52.4	49.1	-3.4	49.0	45.7	73.9	53.9	24.9	8.2	Vert.
7	3711.098	46.4	39.0	-1.2	45.2	37.8	73.9	53.9	28.7	16.1	Vert.
8	4638.873	45.2	36.8	1.1	46.3	37.9	73.9	53.9	27.6	16.0	Vert.
9	7422.198	48.3	42.6	6.9	55.2	49.5	73.9	53.9	18.7	4.4	Vert.
10	8350.426	42.8	33.4	8.0	50.8	41.4	73.9	53.9	23.1	12.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 927.8MHz FSK 50kbps Z-plane*

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	1050.290	54.9	41.3	-10.7	44.2	30.6	73.9	53.9	29.7	23.3	Hori.
2	2783.473	53.6	50.9	-3.4	50.2	47.5	73.9	53.9	23.7	6.4	Hori.
3	3711.101	49.1	44.8	-1.2	47.9	43.6	73.9	53.9	26.0	10.3	Hori.
4	4638.875	47.1	41.9	1.1	48.2	43.0	73.9	53.9	25.7	10.9	Hori.
5	7422.198	48.4	43.3	6.9	55.3	50.2	73.9	53.9	18.6	3.7	Hori.
6	8350.427	45.7	39.2	8.0	53.7	47.2	73.9	53.9	20.2	6.7	Hori.
7	2783.325	54.7	52.2	-3.4	51.3	48.8	73.9	53.9	22.6	5.1	Vert.
8	3711.300	45.3	36.7	-1.2	44.1	35.5	73.9	53.9	29.8	18.4	Vert.
9	7422.601	45.7	38.9	6.9	52.6	45.8	73.9	53.9	21.3	8.1	Vert.
10	8350.426	43.7	35.2	8.0	51.7	43.2	73.9	53.9	22.2	10.7	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz FSK 150kbps X-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	1050.590	54.4	41.7	-10.7	43.7	31.0	73.9	53.9	30.2	22.9	Hori.
2	2782.686	53.8	50.7	-3.4	50.4	47.3	73.9	53.9	23.5	6.6	Hori.
3	3710.250	47.9	41.6	-1.2	46.7	40.4	73.9	53.9	27.2	13.5	Hori.
4	4637.810	45.3	37.0	1.1	46.4	38.1	73.9	53.9	27.5	15.8	Hori.
5	7420.500	45.2	36.7	6.9	52.1	43.6	73.9	53.9	21.8	10.3	Hori.
6	8348.063	43.4	34.2	8.0	51.4	42.2	73.9	53.9	22.5	11.7	Hori.
7	2782.688	53.0	49.8	-3.4	49.6	46.4	73.9	53.9	24.3	7.5	Vert.
8	3710.249	48.2	42.1	-1.2	47.0	40.9	73.9	53.9	26.9	13.0	Vert.
9	4638.188	43.9	34.0	1.1	45.0	35.1	73.9	53.9	28.9	18.8	Vert.
10	7420.500	45.6	36.0	6.9	52.5	42.9	73.9	53.9	21.4	11.0	Vert.
11	8348.072	43.6	32.8	8.0	51.6	40.8	73.9	53.9	22.3	13.1	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz FSK 150kbps Y-plane

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2782.688	56.2	53.9	-3.4	52.8	50.5	73.9	53.9	21.1	3.4	Hori.
2	3710.546	50.0	45.4	-1.2	48.8	44.2	73.9	53.9	25.1	9.7	Hori.
3	7420.499	46.7	39.2	6.9	53.6	46.1	73.9	53.9	20.3	7.8	Hori.
4	8348.731	45.5	37.2	8.0	53.5	45.2	73.9	53.9	20.4	8.7	Hori.
5	1050.390	54.1	41.0	-10.7	43.4	30.3	73.9	53.9	30.5	23.6	Vert.
6	2782.689	52.3	48.7	-3.4	48.9	45.3	73.9	53.9	25.0	8.6	Vert.
7	3710.248	46.2	38.7	-1.2	45.0	37.5	73.9	53.9	28.9	16.4	Vert.
8	4637.813	45.1	36.0	1.1	46.2	37.1	73.9	53.9	27.7	16.8	Vert.
9	7420.500	48.0	40.8	6.9	54.9	47.7	73.9	53.9	19.0	6.2	Vert.
10	8348.739	43.3	32.4	8.0	51.3	40.4	73.9	53.9	22.6	13.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: *Tx 927.6MHz FSK 150kbps Z-plane*

[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	1049.990	54.5	41.0	-10.7	43.8	30.3	73.9	53.9	30.1	23.6	Hori.
2	2782.688	53.8	50.6	-3.4	50.4	47.2	73.9	53.9	23.5	6.7	Hori.
3	3710.248	49.1	43.8	-1.2	47.9	42.6	73.9	53.9	26.0	11.3	Hori.
4	4637.814	47.0	41.2	1.1	48.1	42.3	73.9	53.9	25.8	11.6	Hori.
5	7420.498	48.1	41.6	6.9	55.0	48.5	73.9	53.9	18.9	5.4	Hori.
6	8348.734	45.9	37.7	8.0	53.9	45.7	73.9	53.9	20.0	8.2	Hori.
7	2782.687	54.9	52.0	-3.4	51.5	48.6	73.9	53.9	22.4	5.3	Vert.
8	7420.498	45.2	36.5	6.9	52.1	43.4	73.9	53.9	21.8	10.5	Vert.
9	8348.734	43.8	34.1	8.0	51.8	42.1	73.9	53.9	22.1	11.8	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.8MHz OFDM Option4 X-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2783.398	56.1	44.7	-3.4	52.7	41.3	73.9	53.9	21.2	12.6	Hori.
2	3711.192	48.0	36.2	-1.2	46.8	35.0	73.9	53.9	27.1	18.9	Hori.
3	4639.001	49.5	33.5	1.1	50.6	34.6	73.9	53.9	23.3	19.3	Hori.
4	7422.413	46.8	33.9	6.9	53.7	40.8	73.9	53.9	20.2	13.1	Hori.
5	8350.283	44.2	30.9	8.0	52.2	38.9	73.9	53.9	21.7	15.0	Hori.
6	2783.400	55.8	44.1	-3.4	52.4	40.7	73.9	53.9	21.5	13.2	Vert.
7	3711.202	49.1	36.8	-1.2	47.9	35.6	73.9	53.9	26.0	18.3	Vert.
8	7422.413	46.0	33.1	6.9	52.9	40.0	73.9	53.9	21.0	13.9	Vert.
9	8350.283	44.1	30.0	8.0	52.1	38.0	73.9	53.9	21.8	15.9	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.8MHz OFDM Option4 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2783.394	57.9	46.2	-3.4	54.5	42.8	73.9	53.9	19.4	11.1	Hori.
2	3711.204	50.2	37.7	-1.2	49.0	36.5	73.9	53.9	24.9	17.4	Hori.
3	7422.417	46.0	33.3	6.9	52.9	40.2	73.9	53.9	21.0	13.7	Hori.
4	8350.217	45.4	32.3	8.0	53.4	40.3	73.9	53.9	20.5	13.6	Hori.
5	2783.414	53.0	40.9	-3.4	49.6	37.5	73.9	53.9	24.3	16.4	Vert.
6	7422.417	47.5	34.9	6.9	54.4	41.8	73.9	53.9	19.5	12.1	Vert.
7	8350.165	42.6	29.4	8.0	50.6	37.4	73.9	53.9	23.3	16.5	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.8MHz OFDM Option4 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2783.429	55.0	42.9	-3.4	51.6	39.5	73.9	53.9	22.3	14.4	Hori.
2	3711.210	48.6	36.4	-1.2	47.4	35.2	73.9	53.9	26.5	18.7	Hori.
3	4639.014	50.6	35.9	1.1	51.7	37.0	73.9	53.9	22.2	16.9	Hori.
4	7422.377	47.9	35.8	6.9	54.8	42.7	73.9	53.9	19.1	11.2	Hori.
5	8350.278	46.8	33.0	8.0	54.8	41.0	73.9	53.9	19.1	12.9	Hori.
6	2783.397	56.6	44.7	-3.4	53.2	41.3	73.9	53.9	20.7	12.6	Vert.
7	7422.424	44.9	32.2	6.9	51.8	39.1	73.9	53.9	22.1	14.8	Vert.
8	8350.221	44.1	30.3	8.0	52.1	38.3	73.9	53.9	21.8	15.6	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz OFDM Option3 X-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2782.810	55.6	43.2	-3.4	52.2	39.8	73.9	53.9	21.7	14.1	Hori.
2	3710.403	47.7	34.9	-1.2	46.5	33.7	73.9	53.9	27.4	20.2	Hori.
3	7420.808	45.8	32.1	6.9	52.7	39.0	73.9	53.9	21.2	14.9	Hori.
4	8348.415	44.2	30.2	8.0	52.2	38.2	73.9	53.9	21.7	15.7	Hori.
5	2782.762	55.2	42.5	-3.4	51.8	39.1	73.9	53.9	22.1	14.8	Vert.
6	3710.451	48.3	35.3	-1.2	47.1	34.1	73.9	53.9	26.8	19.8	Vert.
7	7420.808	44.9	31.3	6.9	51.8	38.2	73.9	53.9	22.1	15.7	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz OFDM Option3 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2782.802	58.3	46.3	-3.4	54.9	42.9	73.9	53.9	19.0	11.0	Hori.
2	3710.436	50.4	37.7	-1.2	49.2	36.5	73.9	53.9	24.7	17.4	Hori.
3	7420.795	46.8	32.9	6.9	53.7	39.8	73.9	53.9	20.2	14.1	Hori.
4	8348.452	45.6	31.6	8.0	53.6	39.6	73.9	53.9	20.3	14.3	Hori.
5	2782.789	53.8	41.2	-3.4	50.4	37.8	73.9	53.9	23.5	16.1	Vert.
6	4638.039	48.0	31.7	1.1	49.1	32.8	73.9	53.9	24.8	21.1	Vert.
7	7420.808	48.5	34.4	6.9	55.4	41.3	73.9	53.9	18.5	12.6	Vert.
8	8348.452	43.7	29.1	8.0	51.7	37.1	73.9	53.9	22.2	16.8	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz OFDM Option3 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2782.807	55.3	42.9	-3.4	51.9	39.5	73.9	53.9	22.0	14.4	Hori.
2	3710.390	48.7	36.1	-1.2	47.5	34.9	73.9	53.9	26.4	19.0	Hori.
3	4637.988	51.8	35.6	1.1	52.9	36.7	73.9	53.9	21.0	17.2	Hori.
4	7420.776	48.5	35.0	6.9	55.4	41.9	73.9	53.9	18.5	12.0	Hori.
5	8348.503	46.2	32.0	8.0	54.2	40.0	73.9	53.9	19.7	13.9	Hori.
6	2782.805	57.0	44.7	-3.4	53.6	41.3	73.9	53.9	20.3	12.6	Vert.
7	7420.808	45.0	31.6	6.9	51.9	38.5	73.9	53.9	22.0	15.4	Vert.
8	8348.472	44.4	30.0	8.0	52.4	38.0	73.9	53.9	21.5	15.9	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz OFDM Option2 X-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2782.772	55.3	42.3	-3.4	51.9	38.9	73.9	53.9	22.0	15.0	Hori.
2	3710.325	47.6	34.0	-1.2	46.4	32.8	73.9	53.9	27.5	21.1	Hori.
3	7420.808	45.0	30.9	6.9	51.9	37.8	73.9	53.9	22.0	16.1	Hori.
4	2782.888	54.7	41.5	-3.4	51.3	38.1	73.9	53.9	22.6	15.8	Vert.
5	3710.347	48.1	34.4	-1.2	46.9	33.2	73.9	53.9	27.0	20.7	Vert.
6	7420.808	44.6	30.3	6.9	51.5	37.2	73.9	53.9	22.4	16.7	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz OFDM Option2 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2782.827	57.9	45.2	-3.4	54.5	41.8	73.9	53.9	19.4	12.1	Hori.
2	3710.436	49.9	36.5	-1.2	48.7	35.3	73.9	53.9	25.2	18.6	Hori.
3	7420.840	46.4	31.6	6.9	53.3	38.5	73.9	53.9	20.6	15.4	Hori.
4	8348.489	46.0	30.5	8.0	54.0	38.5	73.9	53.9	19.9	15.4	Hori.
5	2782.817	53.1	39.9	-3.4	49.7	36.5	73.9	53.9	24.2	17.4	Vert.
6	7420.808	47.2	32.7	6.9	54.1	39.6	73.9	53.9	19.8	14.3	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.6MHz OFDM Option2 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2782.820	55.1	42.0	-3.4	51.7	38.6	73.9	53.9	22.2	15.3	Hori.
2	3710.428	48.4	35.1	-1.2	47.2	33.9	73.9	53.9	26.7	20.0	Hori.
3	4638.049	50.8	34.3	1.1	51.9	35.4	73.9	53.9	22.0	18.5	Hori.
4	7420.868	48.2	33.3	6.9	55.1	40.2	73.9	53.9	18.8	13.7	Hori.
5	8348.415	46.1	30.8	8.0	54.1	38.8	73.9	53.9	19.8	15.1	Hori.
6	2782.790	56.2	43.7	-3.4	52.8	40.3	73.9	53.9	21.1	13.6	Vert.
7	7420.808	44.7	30.3	6.9	51.6	37.2	73.9	53.9	22.3	16.7	Vert.
8	8348.501	44.3	29.1	8.0	52.3	37.1	73.9	53.9	21.6	16.8	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.2MHz OFDM Option1 X-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2781.642	54.6	40.7	-3.4	51.2	37.3	73.9	53.9	22.7	16.6	Hori.
2	3708.925	46.7	32.7	-1.2	45.5	31.5	73.9	53.9	28.4	22.4	Hori.
3	7417.763	44.5	30.2	6.9	51.4	37.1	73.9	53.9	22.5	16.8	Hori.
4	2781.472	53.9	39.9	-3.4	50.5	36.5	73.9	53.9	23.4	17.4	Vert.
5	3709.185	47.2	32.7	-1.2	46.0	31.5	73.9	53.9	27.9	22.4	Vert.
6	7417.432	44.2	29.9	6.9	51.1	36.8	73.9	53.9	22.8	17.1	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.2MHz OFDM Option1 Y-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2781.593	56.7	43.4	-3.4	53.3	40.0	73.9	53.9	20.6	13.9	Hori.
2	3708.814	48.6	34.8	-1.2	47.4	33.6	73.9	53.9	26.5	20.3	Hori.
3	7417.208	45.3	30.1	6.9	52.2	37.0	73.9	53.9	21.7	16.9	Hori.
4	8344.166	44.4	29.0	8.0	52.4	37.0	73.9	53.9	21.5	16.9	Hori.
5	2781.629	52.3	38.4	-3.4	48.9	35.0	73.9	53.9	25.0	18.9	Vert.
6	7417.504	46.7	30.9	6.9	53.6	37.8	73.9	53.9	20.3	16.1	Vert.

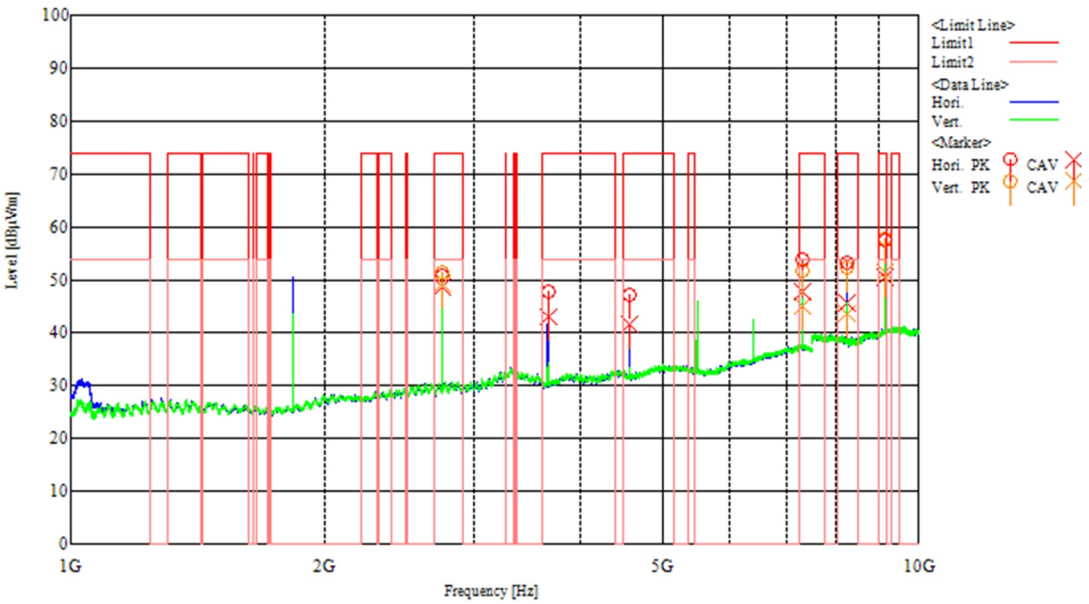
Note: All other emissions have more than 20 dB margin or are below the noise floor.

Operating mode: Tx 927.2MHz OFDM Option1 Z-plane
[Emission level]

No.	Frequency [MHz]	Reading PK [dBµV]	Reading Ave [dBµV]	C.Factor [dB]	Result PK [dBµV/m]	Result Ave [dBµV/m]	Limit PK [dBµV/m]	Limit Ave [dBµV/m]	Margin PK [dB]	Margin Ave [dB]	Ant.
1	2781.634	54.1	40.3	-3.4	50.7	36.9	73.9	53.9	23.2	17.0	Hori.
2	3708.853	47.7	33.5	-1.2	46.5	32.3	73.9	53.9	27.4	21.6	Hori.
3	4636.048	49.8	32.5	1.1	50.9	33.6	73.9	53.9	23.0	20.3	Hori.
4	7417.372	47.5	31.9	6.9	54.4	38.8	73.9	53.9	19.5	15.1	Hori.
5	8344.915	44.5	29.6	8.0	52.5	37.6	73.9	53.9	21.4	16.3	Hori.
6	2781.545	55.5	41.9	-3.4	52.1	38.5	73.9	53.9	21.8	15.4	Vert.
7	7417.378	44.2	29.4	6.9	51.1	36.3	73.9	53.9	22.8	17.6	Vert.

Note: All other emissions have more than 20 dB margin or are below the noise floor.

[Chart] Tx 915.0MHz FSK 50kbps Z-plane



[Day1]

Tested Date:	12 Dec. 2022	Temperature:	20 degC
Humidity:	38 %	Atmos. Press:	1018 hPa

[Day2]

Tested Date:	13 Dec. 2022	Temperature:	18 degC
Humidity:	38 %	Atmos. Press:	1010 hPa

[Day3]

Tested Date:	14 Dec. 2022	Temperature:	21 degC
Humidity:	34 %	Atmos. Press:	1001 hPa

2.10 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

AC power line conducted emissions limits

Frequency of Emission [MHz]	Conducted emissions Limit [dBµV]	
	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)

TR09	CL72	LN06

Test software used

EMI Ver. 6.1

Calculation method

The Correction Factor and Result are calculated as followings.

Correction Factor [dB] = ISN Factor [dB] + Loss [dB]
Result [dBµV] = Reading [dBµV] + Correction Factor [dB]

Test results – *Complied with requirement*

Test Data

Configuration: 3

Operating mode: Tx 902.2MHz FSK 50kbps
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.48507	28.6	11.0	10.1	38.7	21.1	56.3	46.3	17.6	25.2	Va
2	0.52526	33.5	12.6	10.1	43.6	22.7	56.0	46.0	12.4	23.3	Va
3	29.76372	33.0	25.2	10.6	43.6	35.8	60.0	50.0	16.4	14.2	Va
4	0.48507	30.2	13.4	10.1	40.3	23.5	56.3	46.3	16.0	22.8	Vb
5	0.52294	32.8	12.3	10.1	42.9	22.4	56.0	46.0	13.1	23.6	Vb
6	0.54420	34.3	18.5	10.1	44.4	28.6	56.0	46.0	11.6	17.4	Vb

Operating mode: Tx 902.4MHz FSK 150kbps
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.52449	35.0	13.6	10.1	45.1	23.7	56.0	46.0	10.9	22.3	Va
2	0.58264	31.0	13.5	10.1	41.1	23.6	56.0	46.0	14.9	22.4	Va
3	29.29981	32.7	25.1	10.6	43.3	35.7	60.0	50.0	16.7	14.3	Va
4	0.51642	34.5	15.2	10.1	44.6	25.3	56.0	46.0	11.4	20.7	Vb
5	0.58191	30.3	13.3	10.1	40.4	23.4	56.0	46.0	15.6	22.6	Vb
6	29.76665	32.4	24.8	10.6	43.0	35.4	60.0	50.0	17.0	14.6	Vb

Operating mode: Tx 902.2MHz OFDM Option4
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.52560	34.5	19.1	10.1	44.6	29.2	56.0	46.0	11.4	16.8	Va
2	0.54462	34.5	19.4	10.1	44.6	29.5	56.0	46.0	11.4	16.5	Va
3	1.04580	23.8	9.3	10.1	33.9	19.4	56.0	46.0	22.1	26.6	Va
4	0.53434	34.4	20.9	10.1	44.5	31.0	56.0	46.0	11.5	15.0	Vb
5	29.29965	31.7	24.1	10.6	42.3	34.7	60.0	50.0	17.7	15.3	Vb

Operating mode: Tx 902.4MHz OFDM Option3
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.53533	35.4	20.0	10.1	45.5	30.1	56.0	46.0	10.5	15.9	Va
2	29.18308	31.5	24.0	10.6	42.1	34.6	60.0	50.0	17.9	15.4	Va
3	0.51463	31.9	17.2	10.1	42.0	27.3	56.0	46.0	14.0	18.7	Vb
4	0.54121	34.4	20.6	10.1	44.5	30.7	56.0	46.0	11.5	15.3	Vb
5	29.29305	31.1	23.7	10.6	41.7	34.3	60.0	50.0	18.3	15.7	Vb

Operating mode: Tx 902.8MHz OFDM Option2
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.53140	35.6	19.7	10.1	45.7	29.8	56.0	46.0	10.3	16.2	Va
2	0.54912	34.3	18.4	10.1	44.4	28.5	56.0	46.0	11.6	17.5	Va
3	29.76287	32.2	24.7	10.6	42.8	35.3	60.0	50.0	17.2	14.7	Va
4	0.53490	35.4	20.8	10.1	45.5	30.9	56.0	46.0	10.5	15.1	Vb
5	29.76397	32.3	24.5	10.6	42.9	35.1	60.0	50.0	17.1	14.9	Vb

Operating mode: Tx 903.2MHz OFDM Option1
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.52449	35.2	18.8	10.1	45.3	28.9	56.0	46.0	10.7	17.1	Va
2	0.55863	32.8	16.3	10.1	42.9	26.4	56.0	46.0	13.1	19.6	Va
3	29.29965	32.3	24.8	10.6	42.9	35.4	60.0	50.0	17.1	14.6	Va
4	0.53643	35.6	19.7	10.1	45.7	29.8	56.0	46.0	10.3	16.2	Vb
5	19.45373	32.6	16.4	10.5	43.1	26.9	60.0	50.0	16.9	23.1	Vb

Operating mode: Tx 915.0MHz FSK 50kbps
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.52101	35.8	17.7	10.1	45.9	27.8	56.0	46.0	10.1	18.2	Va
2	0.58779	32.1	15.1	10.1	42.2	25.2	56.0	46.0	13.8	20.8	Va
3	0.64275	30.6	13.7	10.1	40.7	23.8	56.0	46.0	15.3	22.2	Va
4	29.76488	33.1	25.4	10.6	43.7	36.0	60.0	50.0	16.3	14.0	Va
5	0.50938	36.1	19.3	10.1	46.2	29.4	56.0	46.0	9.8	16.6	Vb
6	0.57845	29.2	11.6	10.1	39.3	21.7	56.0	46.0	16.7	24.3	Vb

Operating mode: Tx 915.2MHz FSK 150kbps
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.51319	36.6	17.1	10.1	46.7	27.2	56.0	46.0	**9.3**	18.8	Va
2	0.53927	35.2	17.6	10.1	45.3	27.7	56.0	46.0	10.7	18.3	Va
3	0.59347	31.2	14.4	10.1	41.3	24.5	56.0	46.0	14.7	21.5	Va
4	0.51078	35.8	18.5	10.1	45.9	28.6	56.0	46.0	10.1	17.4	Vb
5	0.58176	30.0	13.3	10.1	40.1	23.4	56.0	46.0	15.9	22.6	Vb
6	29.29865	32.0	24.2	10.6	42.6	34.8	60.0	50.0	17.4	15.2	Vb

Operating mode: Tx 915.0MHz OFDM Option4
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.53887	35.2	20.2	10.1	45.3	30.3	56.0	46.0	10.7	15.7	Va
2	29.16958	29.1	21.5	10.6	39.7	32.1	60.0	50.0	20.3	17.9	Va
3	0.53597	34.7	21.0	10.1	44.8	31.1	56.0	46.0	11.2	14.9	Vb
4	29.29565	32.4	24.2	10.6	43.0	34.8	60.0	50.0	17.0	15.2	Vb

Operating mode: Tx 915.2MHz OFDM Option3
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.53847	35.4	20.0	10.1	45.5	30.1	56.0	46.0	10.5	15.9	Va
2	1.04187	23.6	9.2	10.1	33.7	19.3	56.0	46.0	22.3	26.7	Va
3	29.29019	30.6	23.5	10.6	41.2	34.1	60.0	50.0	18.8	15.9	Va
4	0.54160	34.6	20.7	10.1	44.7	30.8	56.0	46.0	11.3	15.2	Vb
5	29.76387	31.7	24.0	10.6	42.3	34.6	60.0	50.0	17.7	15.4	Vb

Operating mode: Tx 915.6MHz OFDM Option2
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.53947	35.7	19.5	10.1	45.8	29.6	56.0	46.0	10.2	16.4	Va
2	27.64808	33.3	27.1	10.6	43.9	37.7	60.0	50.0	16.1	12.3	Va
3	29.29915	31.7	24.2	10.6	42.3	34.8	60.0	50.0	17.7	15.2	Va
4	0.53697	35.0	20.6	10.1	45.1	30.7	56.0	46.0	10.9	15.3	Vb
5	29.29565	31.6	23.5	10.6	42.2	34.1	60.0	50.0	17.8	15.9	Vb

Operating mode: Tx 915.2MHz OFDM Option1
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.54155	35.7	18.5	10.1	45.8	28.6	56.0	46.0	10.2	17.4	Va
2	29.29767	31.9	24.1	10.6	42.5	34.7	60.0	50.0	17.5	15.3	Va
3	0.54480	35.3	19.7	10.1	45.4	29.8	56.0	46.0	10.6	16.2	Vb
4	19.45173	31.8	15.8	10.5	42.3	26.3	60.0	50.0	17.7	23.7	Vb
5	29.76460	31.8	23.8	10.6	42.4	34.4	60.0	50.0	17.6	15.6	Vb

Operating mode: Tx 927.8MHz FSK 50kbps
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.51587	35.2	14.8	10.1	45.3	24.9	56.0	46.0	10.7	21.1	Va
2	0.63777	30.8	13.5	10.1	40.9	23.6	56.0	46.0	15.1	22.4	Va
3	29.77163	31.5	24.0	10.6	42.1	34.6	60.0	50.0	17.9	15.4	Va
4	0.51409	35.0	16.4	10.1	45.1	26.5	56.0	46.0	10.9	19.5	Vb
5	0.53294	34.7	17.1	10.1	44.8	27.2	56.0	46.0	11.2	18.8	Vb
6	29.29570	32.1	24.1	10.6	42.7	34.7	60.0	50.0	17.3	15.3	Vb

Operating mode: Tx 927.6MHz FSK 150kbps
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.51343	36.4	16.2	10.1	46.5	26.3	56.0	46.0	9.5	19.7	Va
2	0.58538	31.6	13.8	10.1	41.7	23.9	56.0	46.0	14.3	22.1	Va
3	29.29815	32.4	24.6	10.6	43.0	35.2	60.0	50.0	17.0	14.8	Va
4	0.51518	34.8	17.0	10.1	44.9	27.1	56.0	46.0	11.1	18.9	Vb
5	0.57826	29.6	12.1	10.1	39.7	22.2	56.0	46.0	16.3	23.8	Vb
6	29.29539	32.0	23.9	10.6	42.6	34.5	60.0	50.0	17.4	15.5	Vb

Operating mode: Tx 927.8MHz OFDM Option4
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.53951	35.3	20.2	10.1	45.4	30.3	56.0	46.0	10.6	15.7	Va
2	29.76533	32.1	24.4	10.6	42.7	35.0	60.0	50.0	17.3	15.0	Va
3	0.53426	34.6	21.1	10.1	44.7	31.2	56.0	46.0	11.3	14.8	Vb
4	29.18159	31.4	23.1	10.6	42.0	33.7	60.0	50.0	18.0	16.3	Vb

Operating mode: Tx 927.6MHz OFDM Option3
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.53657	35.4	20.0	10.1	45.5	30.1	56.0	46.0	10.5	15.9	Va
2	29.18103	31.7	23.5	10.6	42.3	34.1	60.0	50.0	17.7	15.9	Va
3	0.53206	34.6	20.6	10.1	44.7	30.7	56.0	46.0	11.3	15.3	Vb
4	19.45323	31.9	15.8	10.5	42.4	26.3	60.0	50.0	17.6	23.7	Vb
5	29.29614	31.4	23.3	10.6	42.0	33.9	60.0	50.0	18.0	16.1	Vb

Operating mode: Tx 927.6MHz OFDM Option2
[Emission level]

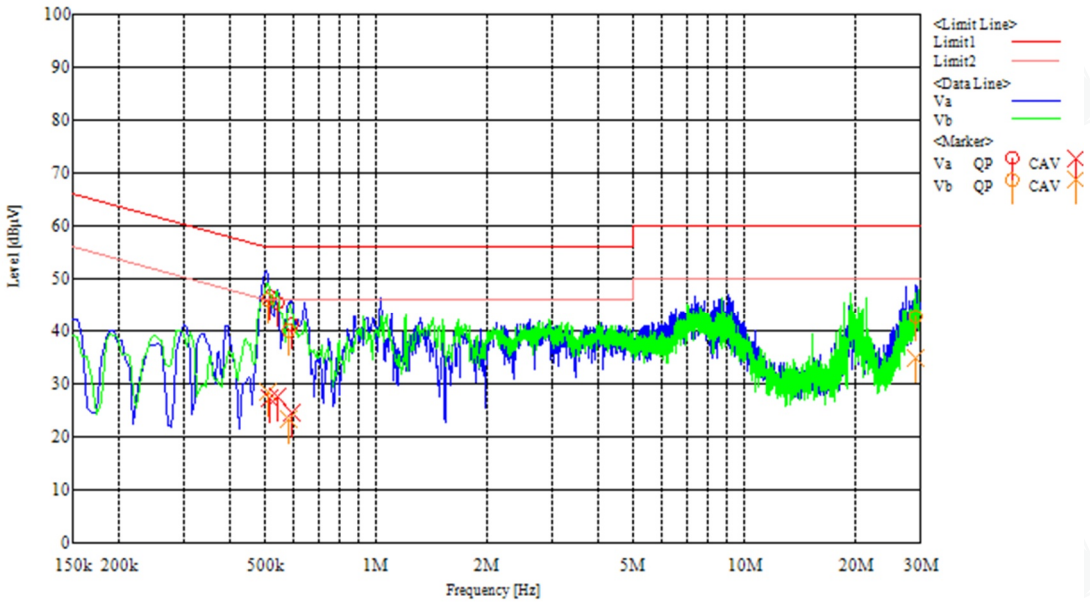
	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.53715	35.8	19.8	10.1	45.9	29.9	56.0	46.0	10.1	16.1	Va
2	29.29732	31.9	24.0	10.6	42.5	34.6	60.0	50.0	17.5	15.4	Va
3	0.53759	35.1	20.6	10.1	45.2	30.7	56.0	46.0	10.8	15.3	Vb
4	29.76488	31.5	23.7	10.6	42.1	34.3	60.0	50.0	17.9	15.7	Vb

Operating mode: Tx 927.2MHz OFDM Option1
[Emission level]

	Freq. [MHz]	Reading QP [dBµV]	Reading Ave [dBµV]	Factor [dB]	Result QP [dBµV]	Result Ave [dBµV]	Limit QP [dBµV]	Limit Ave [dBµV]	Margin QP [dB]	Margin Ave [dB]	Line
1	0.54400	35.9	18.6	10.1	46.0	28.7	56.0	46.0	10.0	17.3	Va
2	29.29695	32.2	24.0	10.6	42.8	34.6	60.0	50.0	17.2	15.4	Va
3	0.54072	35.3	19.4	10.1	45.4	29.5	56.0	46.0	10.6	16.5	Vb
4	29.76621	31.8	24.4	10.6	42.4	35.0	60.0	50.0	17.6	15.0	Vb

[Chart]

Operating mode: Tx 915.2MHz FSK 150kbps



Tested Date:	18 Feb. 2023	Temperature:	18 degC
Humidity:	33 %	Atmos. Press:	1023 hPa

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	-	2022/03/11	2023/03/31
AC01(EG)	Anechoic Chamber (1st test room)	JSE	203397C	-	2022/03/25	2023/03/31
BA07	Bilogical Antenna	TESEQ	CBL6143A	26670	2022/03/23	2023/03/31
CL11	RF Cable for RE	RFT	-	-	2022/03/29	2023/03/31
CL72	RF Cable for CE	RFT	-	-	2023/01/05	2024/01/31
CL31	RF Cable 1 m	Junkosha	MWX221	1303S118	2023/01/20	2024/01/31
CL38	RF Cable 2 m	Junkosha	MWX221	1603S626	2023/01/20	2024/01/31
CL39	RF Cable 5 m	SUHNER	SUCOFLEX126E	523222	2023/01/20	2024/01/31
DH06	DRG Horn Antenna	A.H. Systems	SAS-571	1339	2022/07/09	2024/07/31
LN06	LISN	Kyoritsu	KNW-407F	8-1773-3	2022/09/28	2023/09/30
PR12	Pre. Amplifier (1-26G)	Agilent Technologies	8449B	3008A02513	2023/01/23	2024/01/31
PR21	Pre. Amplifier	Anritsu	MH648A	6200467119	2022/03/23	2023/03/31
BRF7	Band Reject Filter (SRD900)	M-City	BRF0915-03	RF0007-02	2022/03/29	2023/03/31
HPF2	High Pass Filter (1500MHz)	M-City	HPF0900-01	RF0003-01	2022/03/29	2023/03/31
HPF5	High Pass Filter (7000MHz)	Tokyo KEIKI	TF27MCCZGA	9001	2023/01/24	2024/01/31
LP06	Loop Antenna	ETS-Lindgren	6502	00164299	2022/10/13	2023/10/31
AT17	Attenuator	JFW	50HF-006N	—	2022/03/29	2023/03/31
AT38	Attenuator 30dB 75W 8.5GHz	Weinschel	WA29-30-34	8920	2022/03/29	2023/03/31
TR06	Test Receiver (F/W : 4.73 SP4)	Rohde & Schwarz	ESU26	100002	2022/12/06	2023/12/31
TR09	Test Receiver (F/W : 4.43 SP3)	Rohde & Schwarz	ESU8	100386	2022/09/28	2023/09/30

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.