EMC TEST REPORT

No. 2500959STO-101

Electromagnetic disturbances

EQUIPMENT UNDER TEST

Equipment:	Radio Unit
Type/Model:	Radio 4471HP B66
Product number:	KRC 161 4476/3
Additional product number*	KRC 161 4476/31
Product configuration:	LTE, NR, WCDMA, NB IoT IB & GB
Manufacturer:	Ericsson AB
Tested by request of:	Ericsson AB

*See opinions and interpretations clause 2.6

SUMMARY

Referring to the emission limits, and the operating mode during the tests specified in this report, the equipment complies with the radiated spurious emission requirements according to the following standards:

47 CFR Part 2 Subpart J
47 CFR Part 27 Subpart A
47 CFR Part 27 Subpart C
RSS-GEN: Issue 5
RSS-139 issue 4

For details, see clause 2 – 4.

Issued by: Tsegereda Gebrehiwet

Approved by: Cedergren

Tsegereda Gebrehiwet

Anna Karin Cedergren

Revision History

Test report number	Date	Description	Changes
2500959STO-101	May 22, 2025	Pass	First release

CONTENTS

1. CLIENT INFORMATION

The EUT has been tested by request of

Company:	Ericsson AB 164 80 Stockholm Sweden
Name of contact:	Lennart Blixt BNEW DNEW RA RPSE1 IVC EMC Phone +46 70 673 1973
Client observer:	Adam Skoglund Reja Mohammed

2. EQUIPMENT UNDER TEST (EUT)

2.1 Identification of the EUT

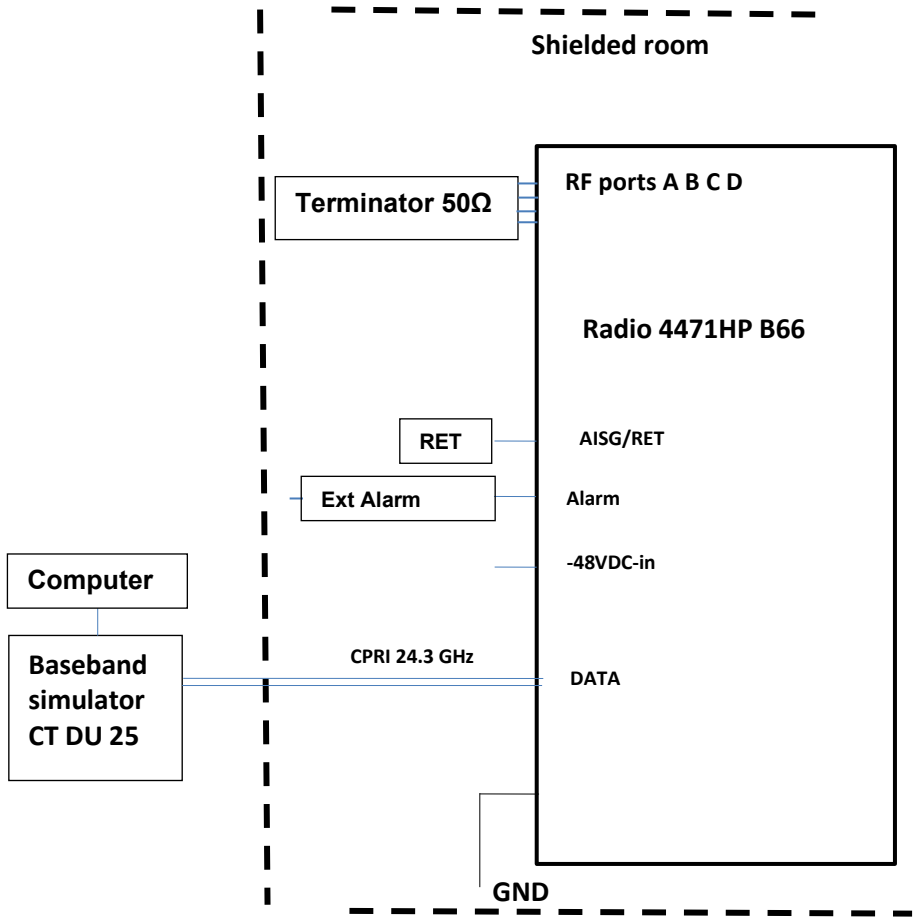
Equipment	Radio Unit
Type/Model	Radio 4471 HP B66
Product number	KRC 161 4476/3
Additional product number	KRC 161 4476/31
Product configuration	LTE, LTE IB IoT, LTE GB IoT, NR, NR IB IoT & WCDMA
Brand name	Ericsson
Manufacturer	Ericsson
Rating	-48VDC max: 17A
Class	III
Highest clock frequency	CPRI 24.3 GHz

Photos of EUT and markings

2.2 Description of the EUT

The test object is Radio 4471, a radio base station with support for LTE, NR, WCDMA, NB IoT IB & GB. It is designed to provide mobile users with a connection to a mobile network.

2.3 Test setup- block diagram



Block diagram of EUT during the tests

2.4 External cables connected to the EUT

Port	Type	Length [m]	Specifications
DC input power	RPM 150 54/10M R1A	10,0	DC power Three-wire
Earth	Ground	2,0	Single wire, 35mm^2
External Alarm	RPM 513 2350/15000 R1A	10,0	Shielded signal cable
AISG/RET	1/TSR 48421/3000 R1B	3.0	Control cable
Data_1 & 2	RPM 253 1610/20M	20,0	Optical fibre cable
Antenna port	RF cable	--	Terminated

2.5 Auxiliary equipment (AE)

Auxiliary equipment is equipment needed for correct operation of the EUT but not included as part of the testing and evaluation of the EUT.

Equipment	Type / Model	Manufacturer	Serial no.
Computer	MacBook Pro	Apple	BAMS-1001997579
Baseband simulator CT-DU25	LPC 102 500/1/R1F	Ericsson	ET5K000207
SFP module	RDH 102 75/3 R1A	Ericsson	CU824L0NV6
SFP module	RDH 102 75/3 R1A	Ericsson	CU824L0NXV

2.6 Opinions and interpretations

The following types are also included as additional types in this test report:

The differences between the models are (according to the manufacturer):

Type/Model	Product numbers	Comment
Radio 4471HP B66	KRC 161 4476/3*	Security unlocked software
	KRC 161 4476/31	Security locked software

*Tested unit. The tests were performed on KRC 161 4476/3.

The hardware and software (except for the security software) are identical for all types above.
The difference is considered not to imply different FCC part 2 Radio characteristics when compared to the tested type.

2.7 Decision rule

The statements of conformity are reported as:
Passed – When the measured values are within the specified limits.
Failed – When one or more measures values are outside the specified limits.

3. TEST SPECIFICATIONS

3.1 Standards

Requirements:

FCC 47 CFR Part 2 (2023): Frequency Allocations and Radio Treaty Matters; General Rules and Regulations

FCC 47 CFR Part 27 (2021): Subpart A: General Information
FCC 47 CFR Part 27 (2023): Subpart C: Technical Standards

RSS-GEN: Issue 5
RSS-139 issue 4 September 29, 2022

Test methods:

KDB971168 D01 Power Meas License Digital Systems v03r01
ANSI C63.26: 2015: American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

3.2 Additions, deviations and exclusions from standards and accreditation

The following deviation from standards and accreditation was made:

Only the radiated spurious emission performed according to manufacturer's request.

No other additions, deviations or exclusions have been made from standards and accreditation.

3.3 Test site

Measurements were performed at:

Intertek Semko AB.
Torshamnsgatan 43,
P.O. Box 1103
SE-164 22 Kista

Intertek Semko AB is a FCC listed test site with site registration number 90913
Intertek Semko AB is a FCC accredited conformity assessment body with designation number SE0002
Intertek Semko AB is an Industry Canada listed test facility with IC assigned code 2042G
Intertek Semko AB is an Innovation, Science and Economic Development Canada recognized wireless device testing laboratory with CAB identifier SE0003

Measurement chambers

Measurement Chamber	Type of chamber	IC Site filing #
5 m CHAMBER	Semi-anechoic 5 m	2042G-3

3.4 Mode of operation during the test

The EUT was tested with -53V which is within the supply voltage tolerance.

Radio Configuration
The EUT was tested with 21 different radio configurations and the EUT was activated for maximum transmit power. See the table below and on the next page for detailed radio configurations of the EUT.

Transmission frequency bands LTE & NR:
B66/n66: UL/DL 1710 - 1780 MHz / 2110MHz - 2200MHz

Transmission frequency bands WCDMA:
B66: UL/DL 1710 - 1755 MHz / 2110MHz - 2155MHz

LTE, NB-IoT
The test object was activated for maximum transmit power. Test model E-TM3.1 was configured as defined in ETSI TS 136 141/ 3GPP TS 36.141.

NR, NB IoT
The test object was activated for maximum transmit power. Test model FR1-TM1.1 was configured as defined in ETSI TS 138 141/ 3GPP TS 38.141-1.

WCDMA:
The test object was activated for maximum transmit power. Test model TM5 was configured as defined in ETSI TS 125 141 / 3GPP TS 25.141.

Carrier	Test Model DL/UL	Comments
LTE	ETM3-1 / A1-1	--
LTE NB IoT GB	ETM3-1 / A1-1	PRB -1, -75
LTE NB-IoT Inband	ETM3-1 / A1-1	PRB 99
NR	NR-FR1-TM1.1/ G-FR1-A1-1	--
NR NB IoT Inband	NR-FR1-TM1.1/ G-FR1-A1-1	PRB 0
WCDMA	TM5	RAB_3GPP_REF_12_2_STF_30

Radio configuration for radiated emission

Test Case*	Configuration	No of Carriers	Carrier Frequency MHz	BW MHz	RF power (W)/ Carrier	Total Power (W)
Singel Carrier – 1C						
C1	LTE-1C-20M-64QAM-B	1	2120	20	60	240
C2	LTE-1C-20M-64QAM-M	1	2155	20	60	240
C3	LTE-1C-20M-64QAM-T	1	2190	20	60	240
C4	NR-1C-10M-QPSK-B	1	2115	10	60	240
C5	NR-1C-10M-QPSK-M	1	2155	10	60	240
C6	NR-1C-10M-QPSK-T	1	2195	10	60	240
C7	WCDMA-1C-5M-16QAM-B	1	2112.5	5	40	160
C8	WCDMA-1C-5M-16QAM-M	1	2132.5	5	40	160
C9	WCDMA-1C-5M-16QAM-T	1	2152.5	5	40	160
C11	LTE_GB_IoT_1C_15M_64QAM	1	2155	15	60	240
C14	LTE_IB_IoT_1C_20M_64QAM	1	2155	20	60	240
C17	NR_IB_IoT_1C_20M_QPSK	1	2155	20	60	240
Multi-Carrier – 2C&6C						
C19	LTE-2C-20M-64QAM	2	2120 2190	20 20	30	240
C20	NR-2C-40M-QPSK	2	2130 2180	40 40	30	240
C21	WCDMA-2C-5M-16QAM	2	2112.5 2152.5	5 5	30	240
C22	LTE-6C-15M-64QAM	6	2117.5 2132.5 2147.5 2162.5 2177.5 2192.5	15 15 15 15 15 15	10	240
C23	NR-6C-15M-QPSK	6	2117.5 2132.5 2147.5 2162.5 2177.5 2192.5	15 15 15 15 15 15	10	240
C24	WCDMA-6C-5M-16QAM	6	2112.5 2117.5 2122.5 2152.5 2147.5 2142.5	5 5 5 5 5 5	10	240

Test Case*	Configuration	No of Carriers	Carrier Frequeny MHz	BW MHz	RF power (W)/ Carrier	Total Power (W)
Multi RAT Carrier						
C25	LTE-3C-15M-64QAM	3	2162.5 2177.5 2192.5	3*15	10	240
	NR-3C-15M-QPSK	3	2117.5 2132.5 2147.5	3*15	10	
C26	WCDMA-3C-5M-16QAM	3	2112.5 2117.5 2122.5	3*5	10	240
	LTE-3C-20M-64QAM	3	2150 2170 2190	3*20	10	
C27	WCDMA-3C-5M-16QAM	3	2112.5 2117.5 2122.5	3*5	10	240
	NR-3C-25M-QPSK	3	2137.5 2162.5 2187.5	3*25	10	

*For maintain traceability, the test case numbering follows the test plan.

3.5 Compliance

The EUT shall comply with the emission limits as listed below.

Spurious emission at antenna terminals

CFR47 §2.1051, §27.53(h), §27.5 (h) (J), RSS-139.5.6

The conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz

4. TEST SUMMARY

The results in this report apply only to sample tested:

Standard	Description	Result
	Emission	
ANSI C63.26	**Field strength of spurious radiation**	**PASS**
	The EUT complies with the limits. The margin to the limit was more than 20 dB to the limit at 30 – 1000 MHz. Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored at 1 – 18 GHz. Only noise was detected at 18 – 26 GHz. See clauses 5.3-5.5.	

5. RADIATED RF EMISSION IN THE FREQUENCY-RANGE 30 MHZ– 26 GHZ

Date of test	Temperature [°C]	Relative Humidity [%]	Tested by
March 21 - 31, 2025 April 7-8, 2025	19 - 28	24 - 36	Thomas Pettersson

5.1 Test set-up and test procedure

The test method is in accordance with ANSI C63.26.

The EUT was set up in order to emit maximum disturbances.
30 – 1000 MHz: The EUT was placed on a pole 0.8 m above the turntable which is part of the reference ground plane (RGP). The pole was insulated from RGP with 15 cm thick support.
> 1000 MHz: The center of the EUT was 1.5 m above the turntable which is part of the reference ground plane (RGP). The pole was insulated from RGP with 15 cm thick support. Absorbers were placed on the floor between the EUT and measurement antenna.

Overview sweeps were performed with the measurement receiver in max-hold mode and the peak and average detectors activated in the frequency-range
The EUT is continuously rotated 360º.

Test set-up:	**30 MHz – 26.5 GHz**	
Test receiver set-up:		
Preview test:	Peak	RBW 1 MHz, VBW 3 MHz
	Average	RBW 1 MHz, VBW 3 MHz
Final test:	RMS	RBW 1 MHz, VBW 3 MHz
Measuring distance:	3 m	
Measuring angle:	0 – 359°	
EUT height above ground plane:	0.8 m	1.5 m
Antenna	30 – 1000 MHz	1 – 22 GHz
Type:	Bilog	Horn
Antenna tilt:	Not Activated	Activated
Height above ground plane:	1 – 4 m	
Polarisation:	Vertical and Horizontal	

E[dBµV/m] = Analyser reading [dBµV] + Antenna factor [1/m] - Amplifier gain [dB] + Cable loss [dB]

EIRP [dBm] = E[dBµV/m] +20log[3] – 104.8

5.2 Measurement uncertainty

Measurement uncertainty for radiated disturbance

Uncertainty for the frequency range 30 to 1000 MHz at 3 m	± 5.1 dB
Uncertainty for the frequency range 30 to 1000 MHz at 10 m	± 5.0 dB
Uncertainty for the frequency range 1.0 to 18 GHz at 3 m	± 4.5 dB
Uncertainty for the frequency range 18 to 26 GHz at 3 m	± 4.8 dB
Uncertainty for the frequency range 26 to 40 GHz at 3 m	± 5.7 dB

Measurement uncertainty is calculated in accordance with CISPR 16-4-2: 2011.
The measurement uncertainty is given with a confidence of 95 %.

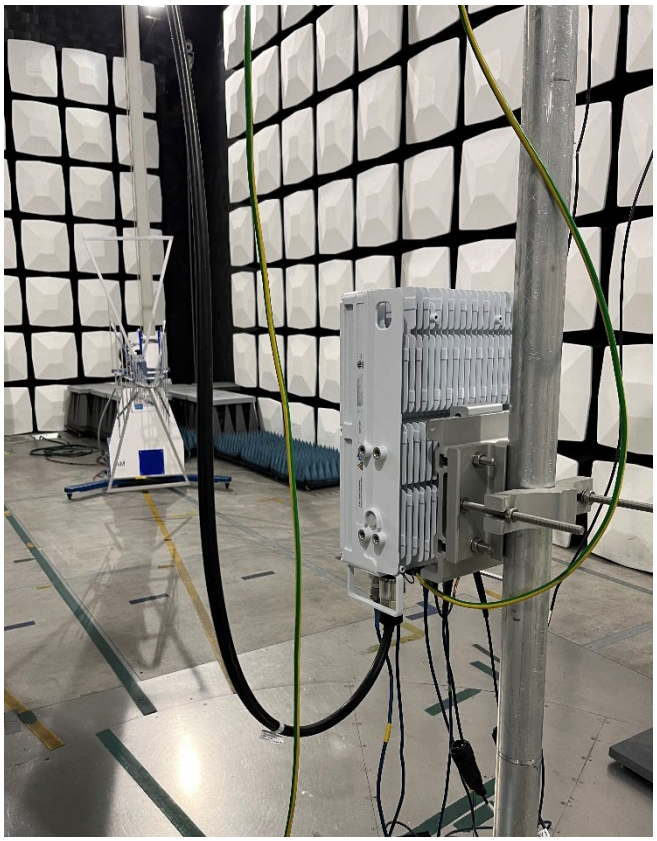


Photo of the test set up 30 – 1000 MHz

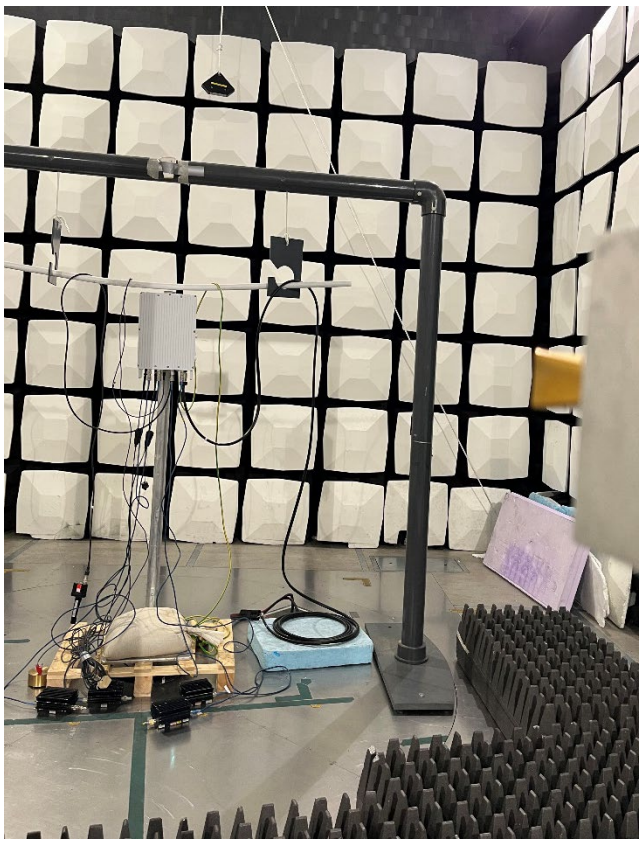
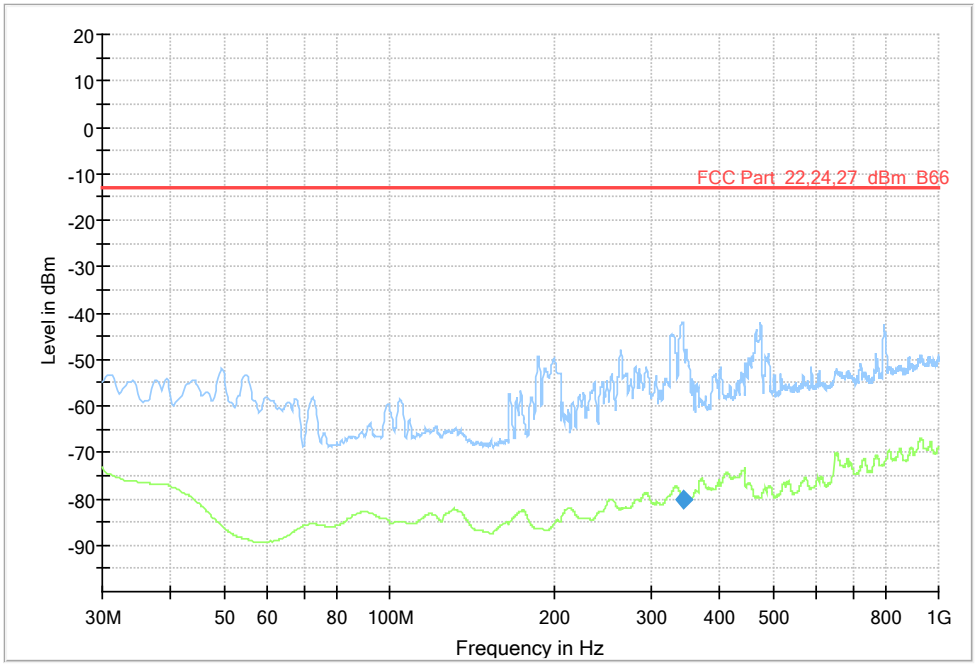


Photo of the test set up above 1 GHz

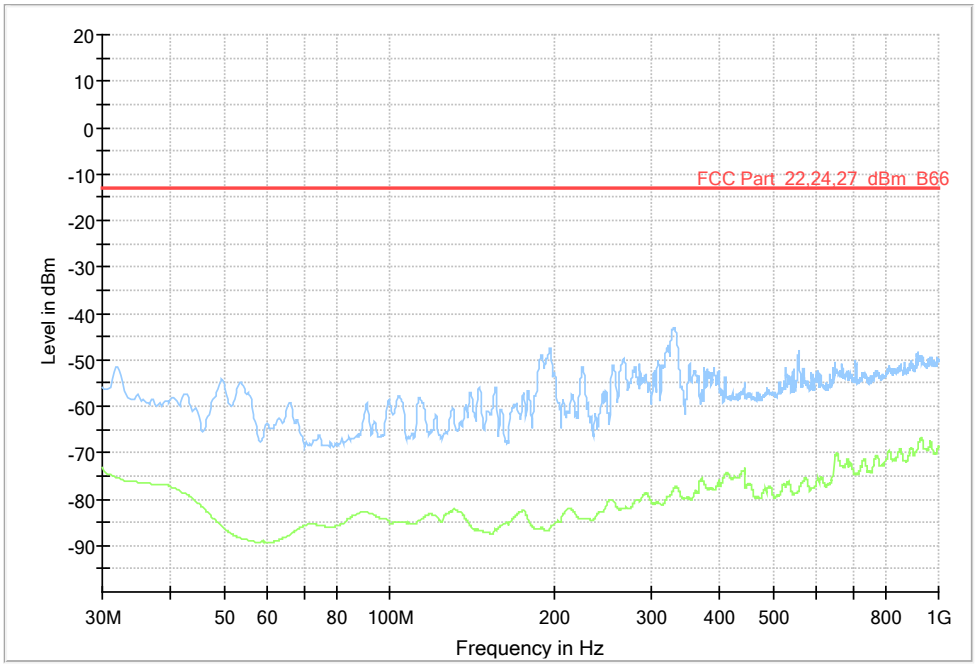
5.3 Test results, 30 – 1000 MHz



Diagram, Peak and average overview sweep, 30 – 1000 MHz, at 3 m distance, configuration C1

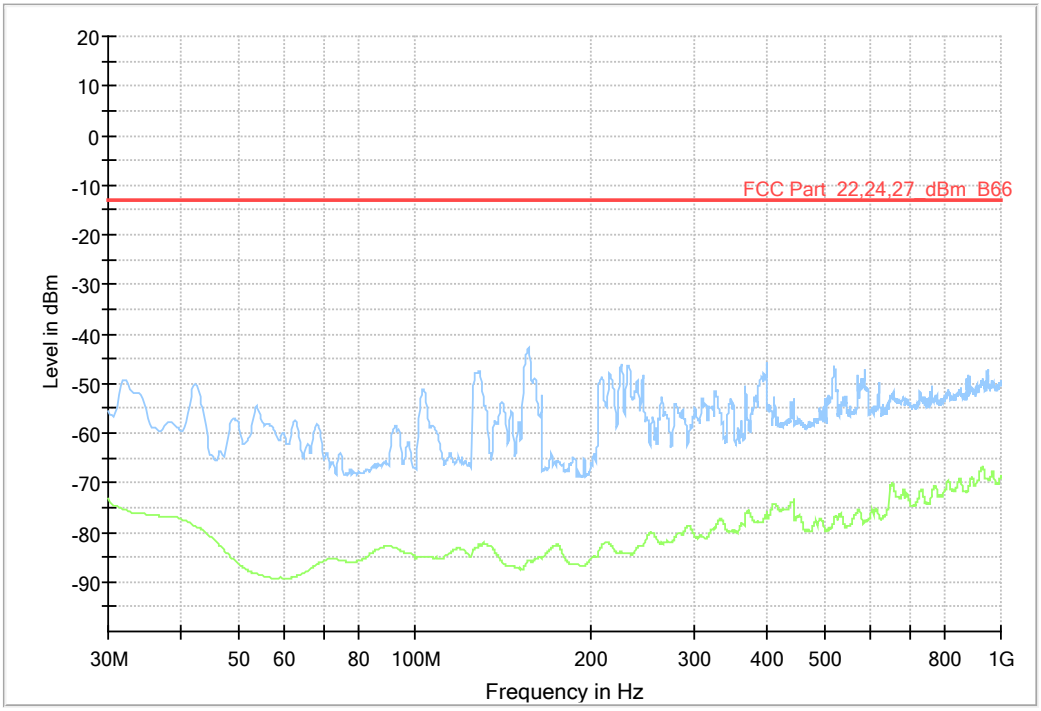
Measurement results, RMS

Frequency [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarization H/V
342.25	-80.06	-13.00	67.06	V



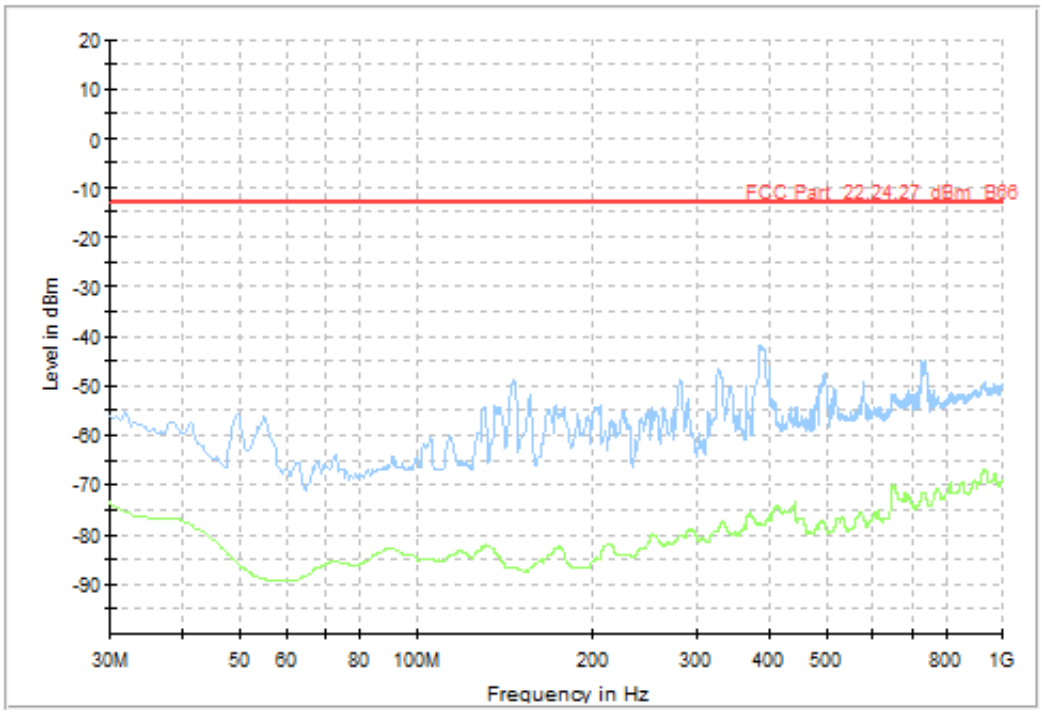
Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C2

Measurement results, RMS
All measured disturbances have a margin of more than 20 dB to the limit.



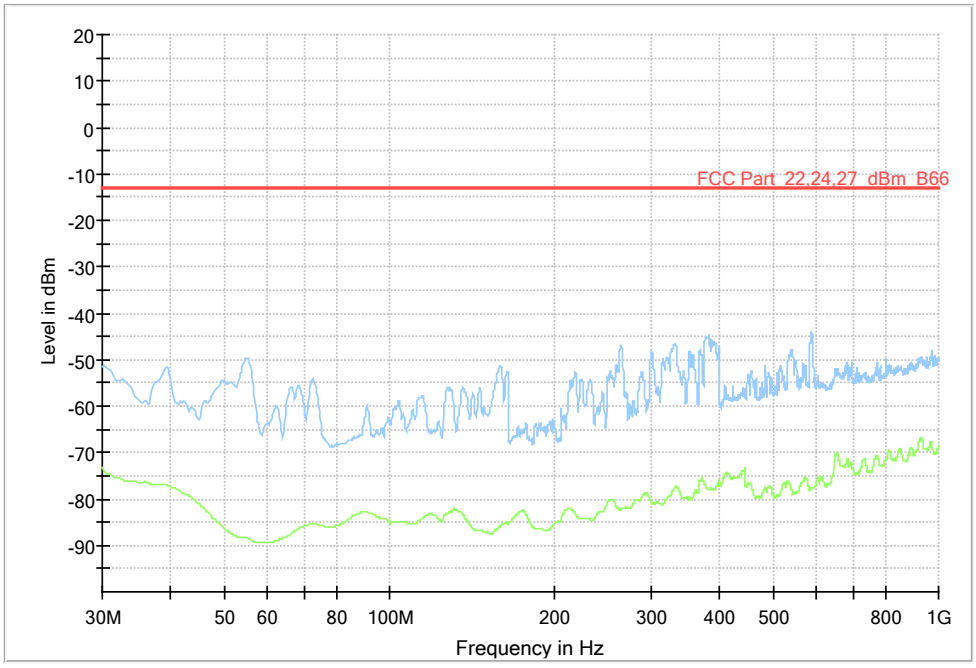
Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C3

Measurement results, RMS
All measured disturbances have a margin of more than 20 dB to the limit.



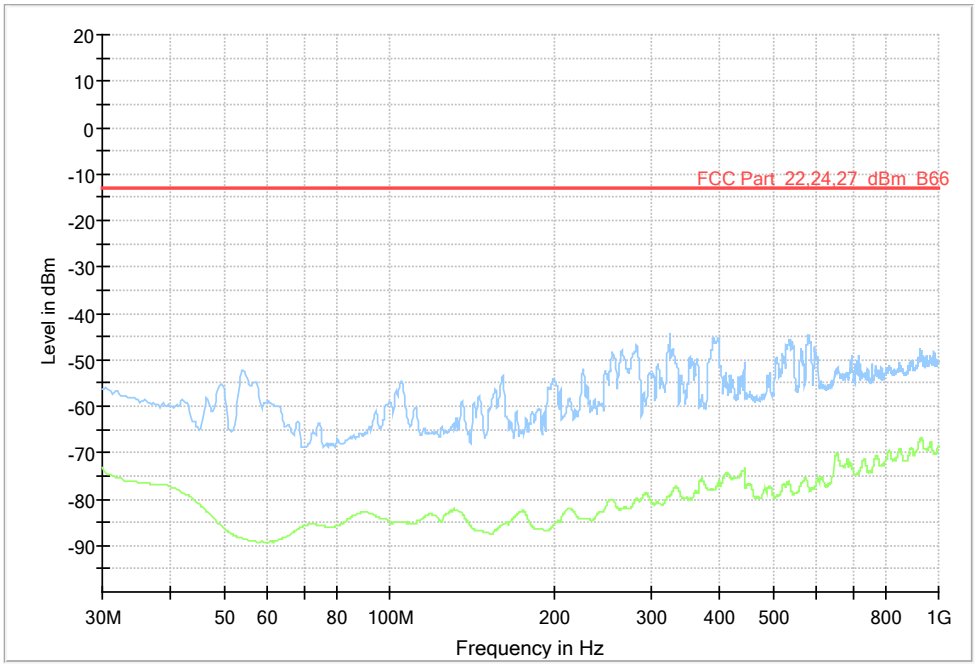
Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C4

Measurement results, RMS
All measured disturbances have a margin of more than 20 dB to the limit.



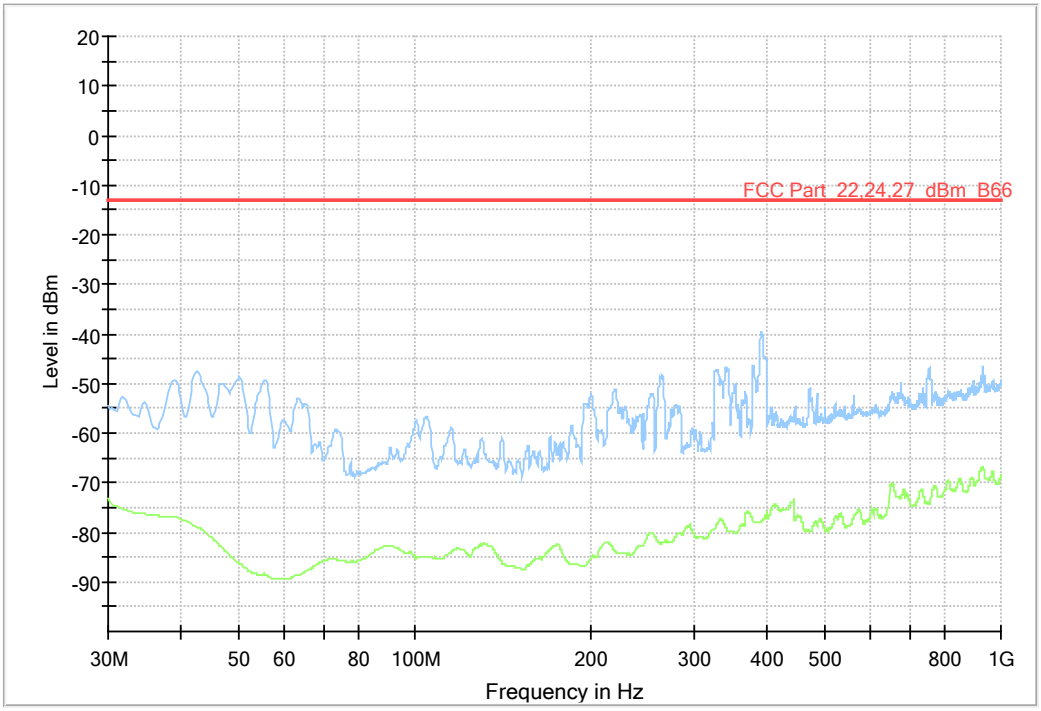
Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C5

Measurement results, RMS
All measured disturbances have a margin of more than 20 dB to the limit.



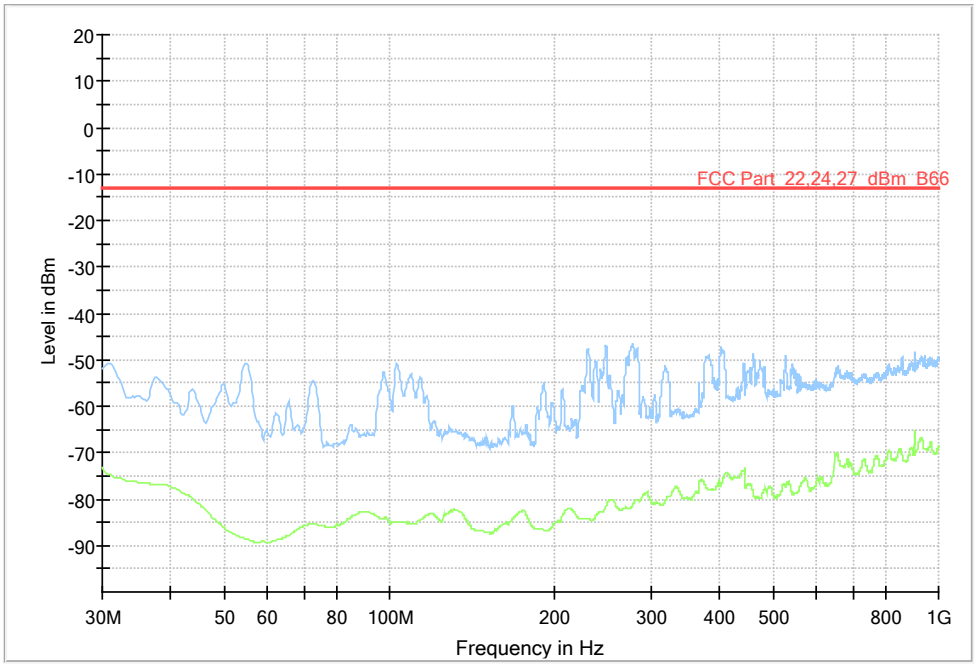
Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C6

Measurement results, RMS
All measured disturbances have a margin of more than 20 dB to the limit.



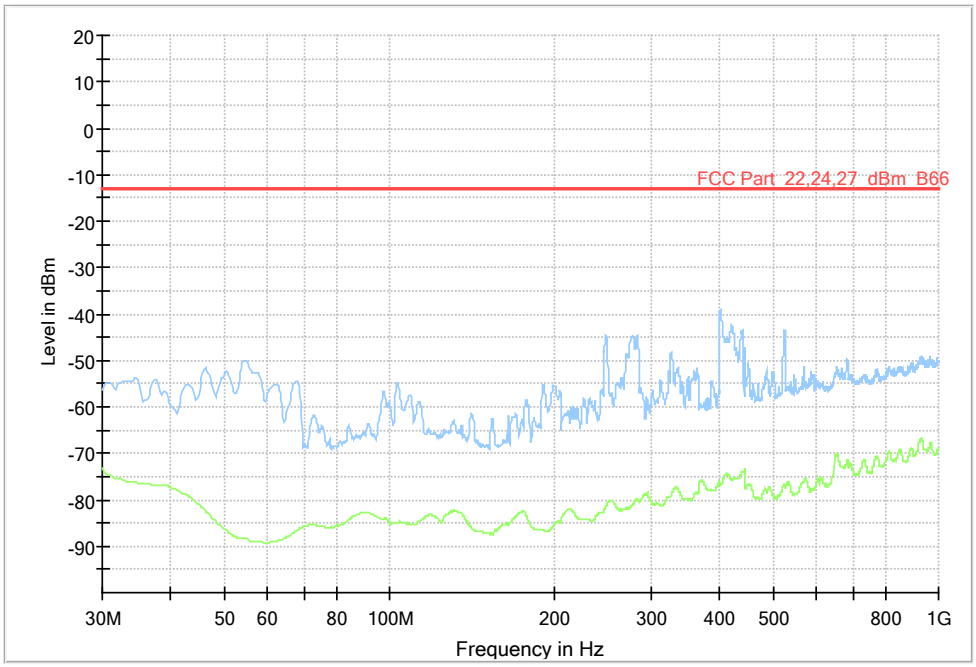
Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C7

Measurement results, RMS
All measured disturbances have a margin of more than 20 dB to the limit.



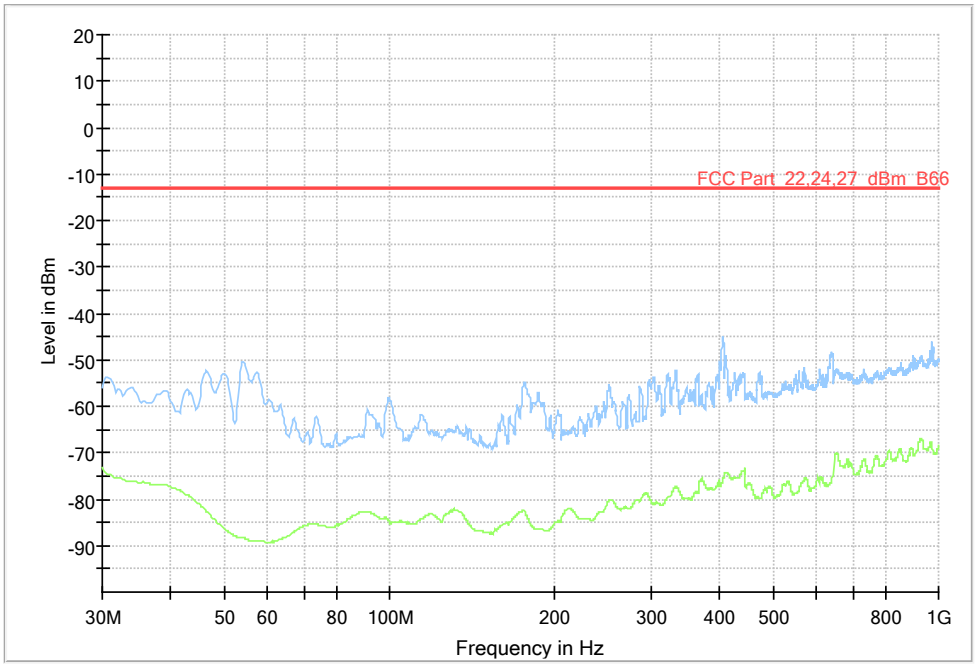
Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C8

Measurement results, RMS
All measured disturbances have a margin of more than 20 dB to the limit.



Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C9

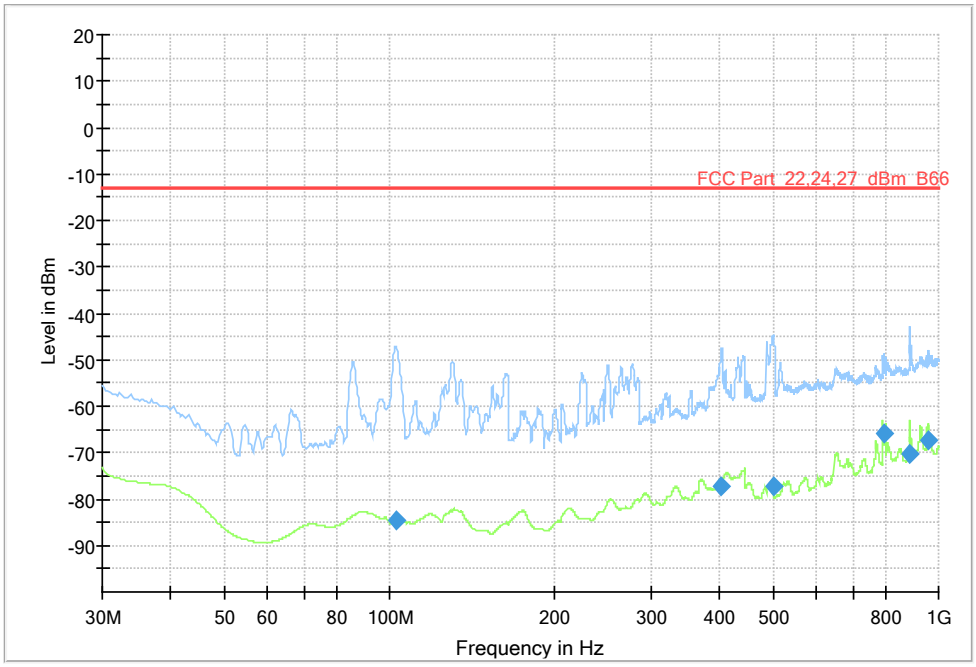
Measurement results, RMS
All measured disturbances have a margin of more than 20 dB to the limit.



Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C11

Measurement results, RMS

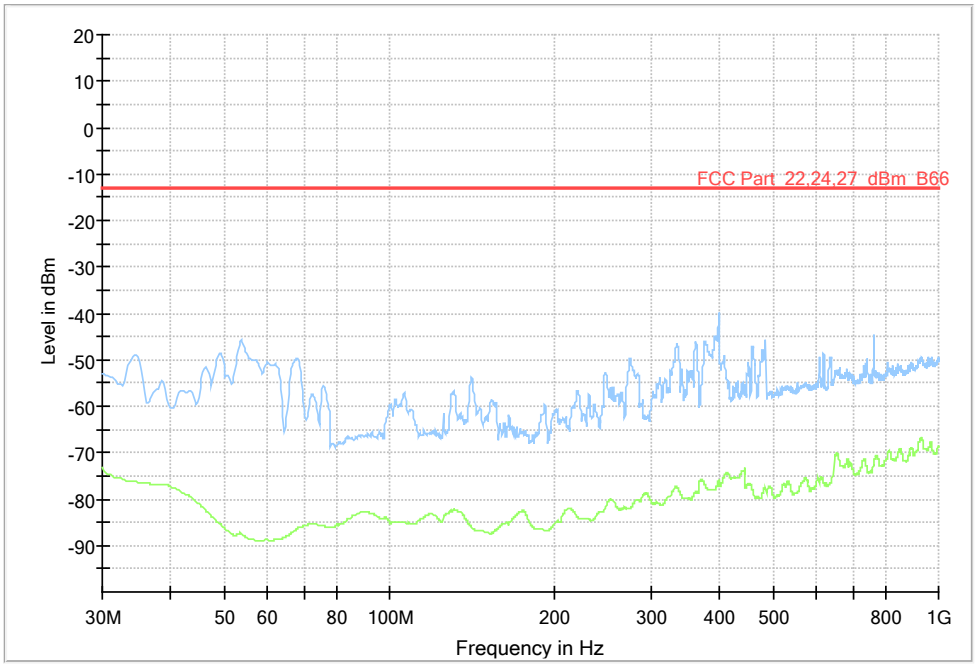
All measured disturbances have a margin of more than 20 dB to the limit.



Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C14

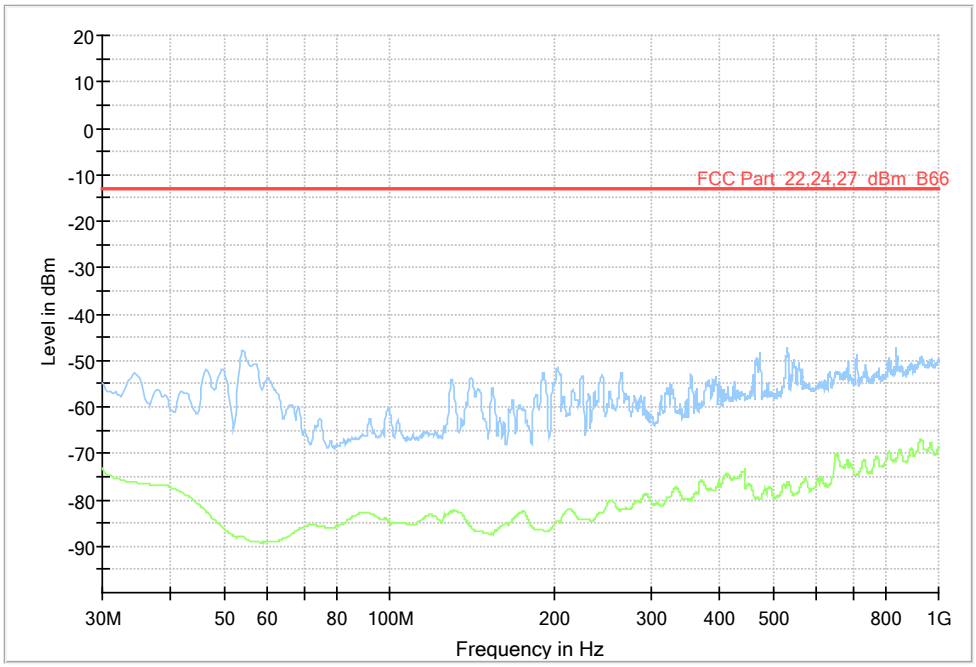
Measurement results, RMS

Frequency [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarization H/V
102.75	-84.54	-13.00	71.54	H
403.00	-77.11	-13.00	64.11	V
500.25	-77.22	-13.00	64.22	V
796.50	-65.70	-13.00	52.70	H
887.25	-70.44	-13.00	57.44	H



Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C17

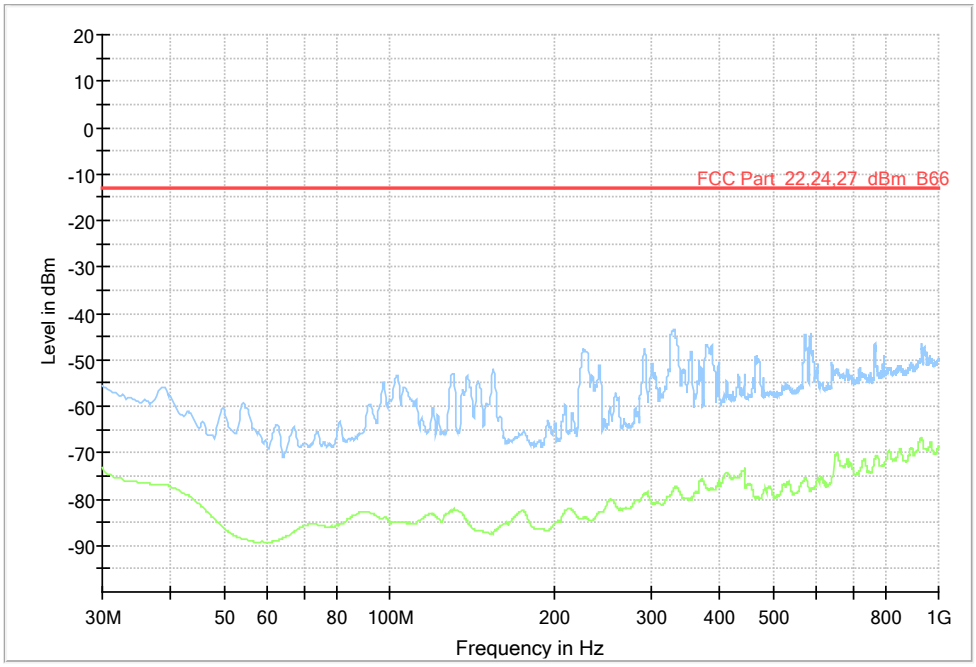
Measurement results, RMS
All measured disturbances have a margin of more than 20 dB to the limit



Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C19

Measurement results, RMS

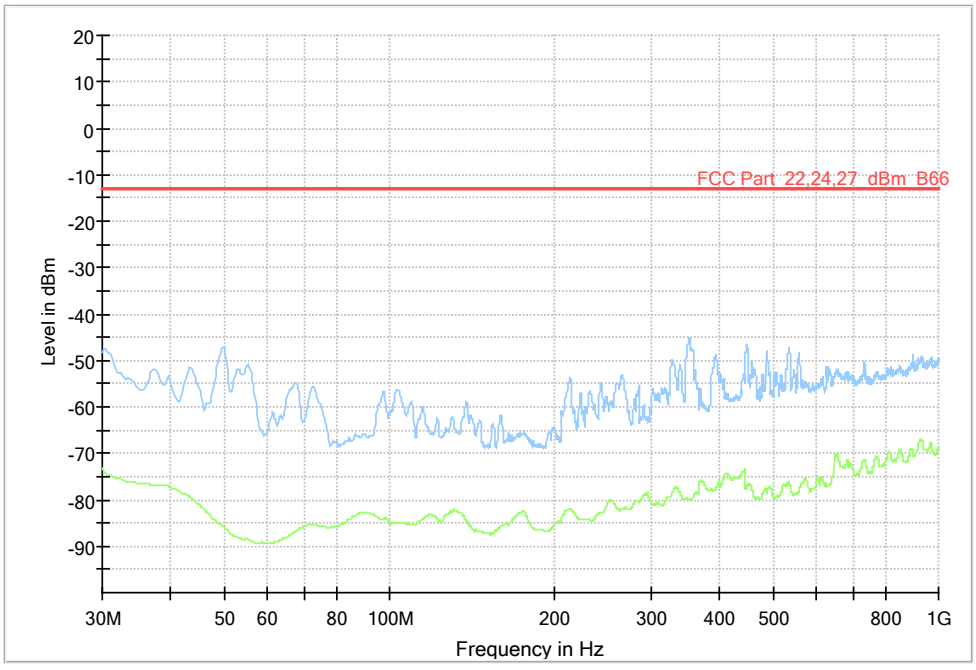
All measured disturbances have a margin of more than 20 dB to the limit.



Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C20

Measurement results, RMS

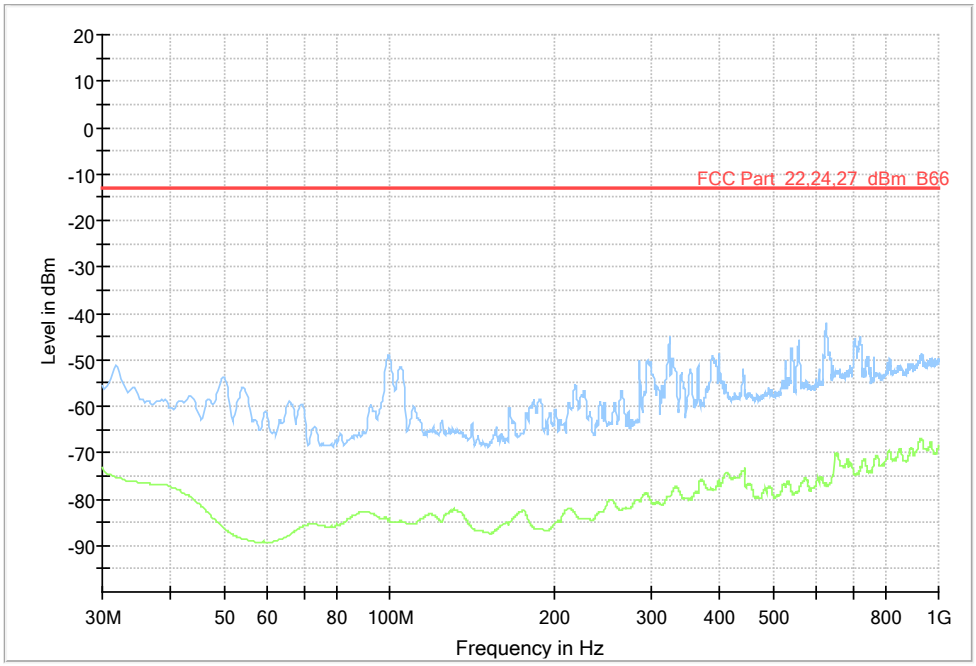
All measured disturbances have a margin of more than 20 dB to the limit.



Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C21

Measurement results, RMS

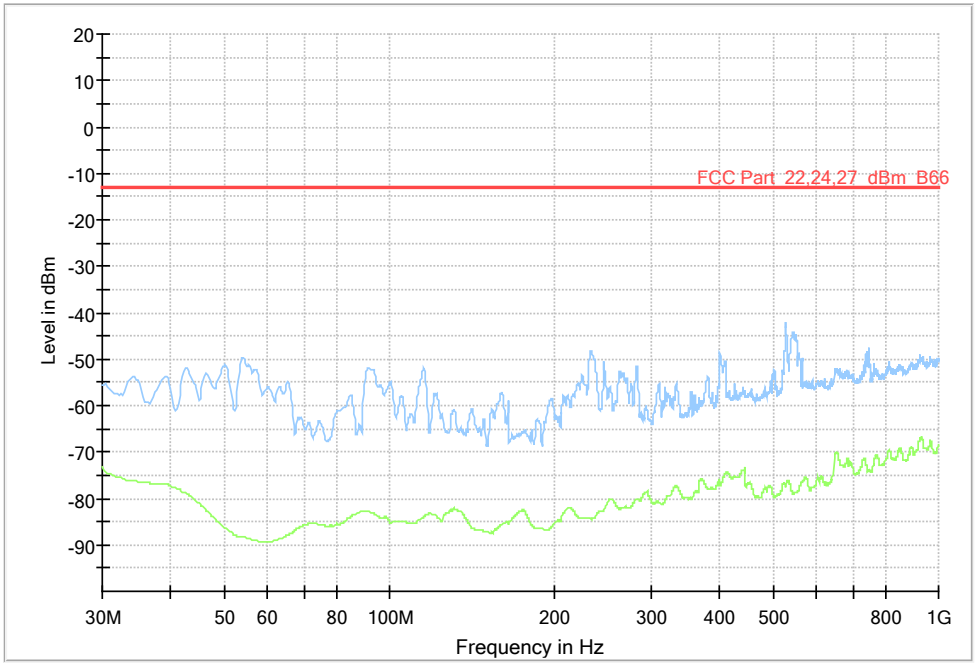
All measured disturbances have a margin of more than 20 dB to the limit.



Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C22

Measurement results, RMS

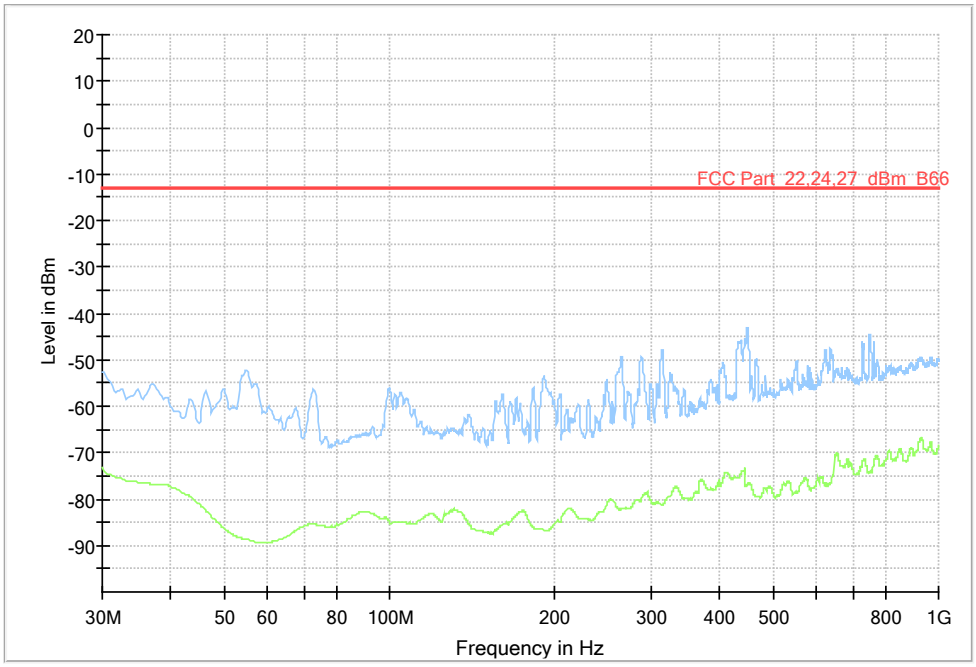
All measured disturbances have a margin of more than 20 dB to the limit.



Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C23

Measurement results, RMS

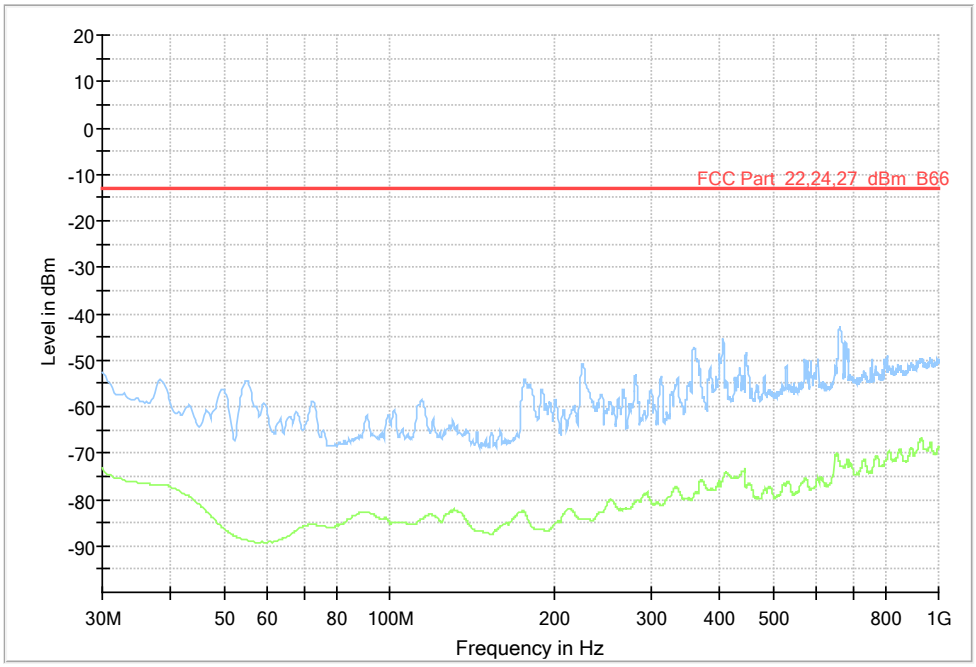
All measured disturbances have a margin of more than 20 dB to the limit.



Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C24

Measurement results, RMS

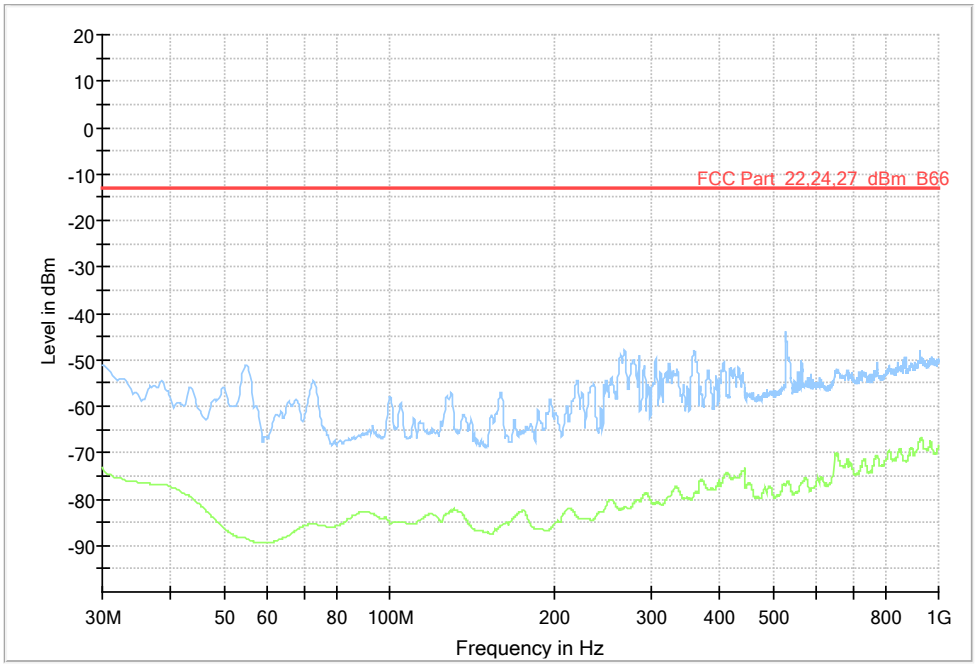
All measured disturbances have a margin of more than 20 dB to the limit.



Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C25

Measurement results, RMS

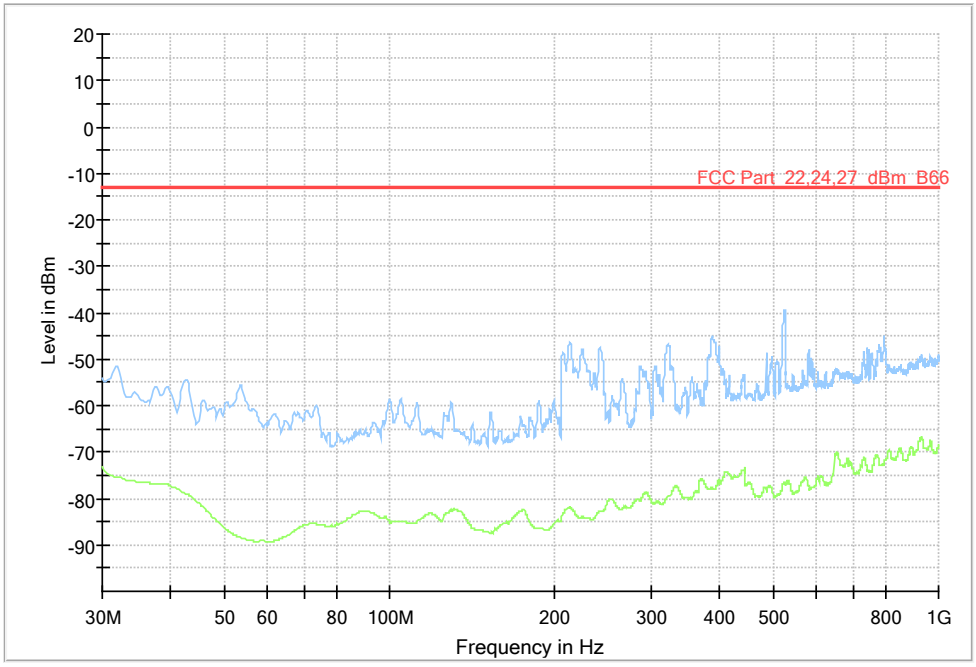
All measured disturbances have a margin of more than 20 dB to the limit.



Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C26

Measurement results, RMS

All measured disturbances have a margin of more than 20 dB to the limit.

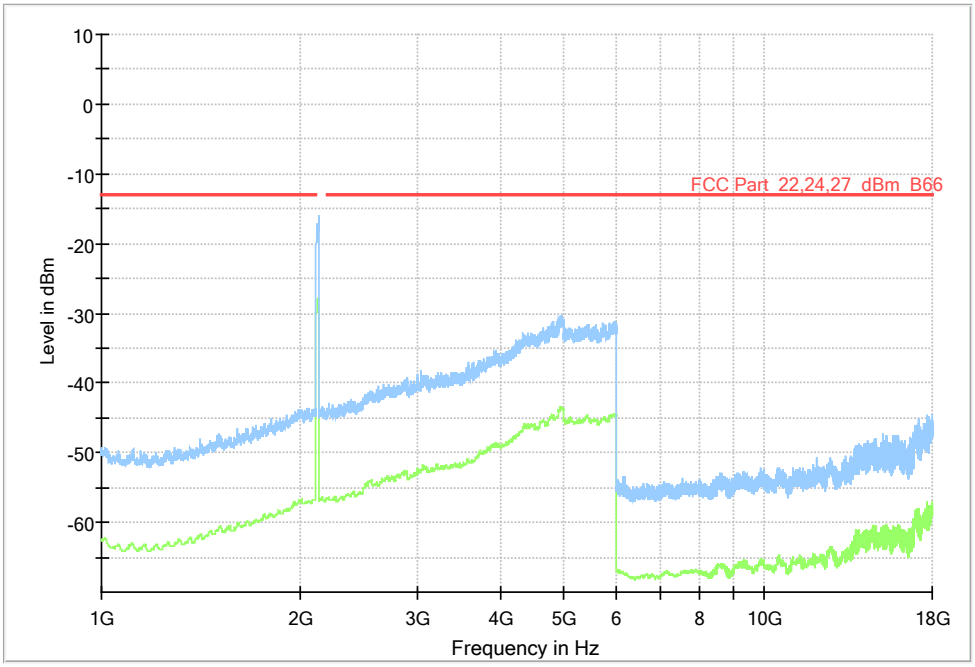


Diagram, Peak and average overview sweep, 30 – 1000 MHz at 3 m distance, configuration C27

Measurement results, RMS

All measured disturbances have a margin of more than 20 dB to the limit.

5.4 Test results, 1 – 18 GHz



Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C1

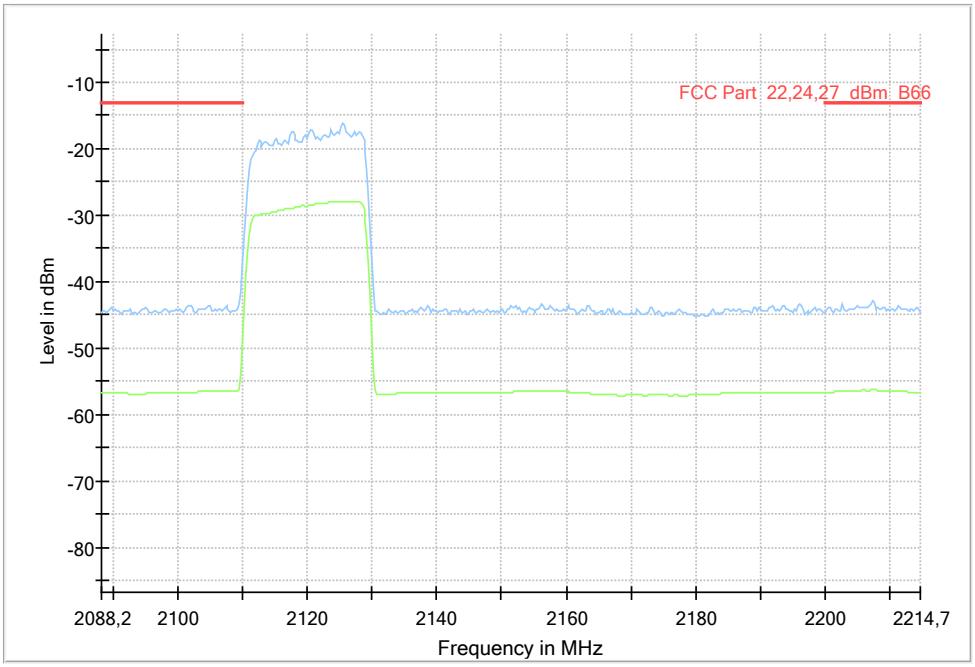
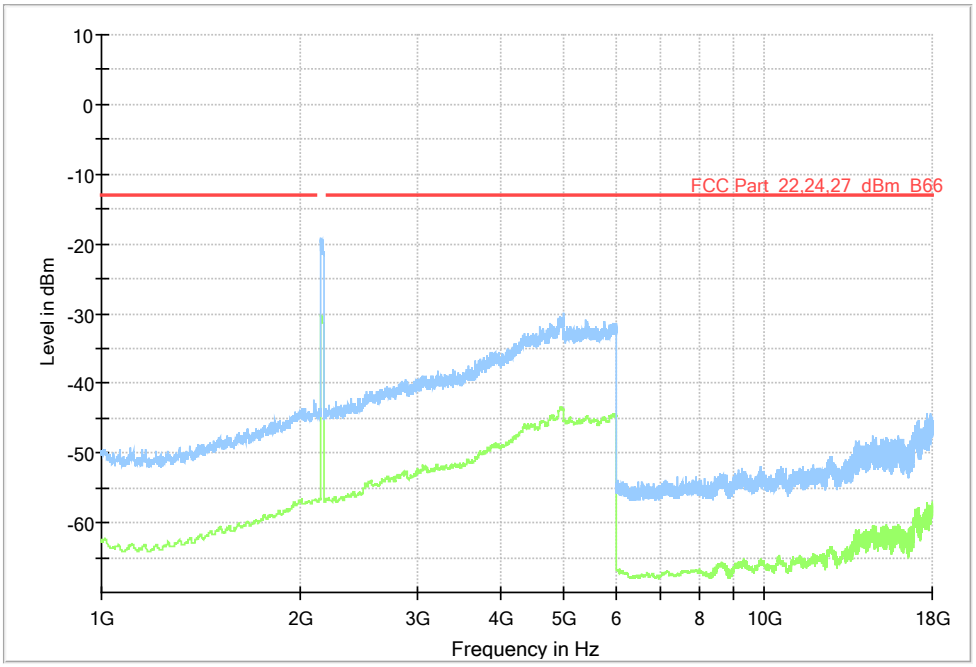


Diagram Zoom, configuration C1

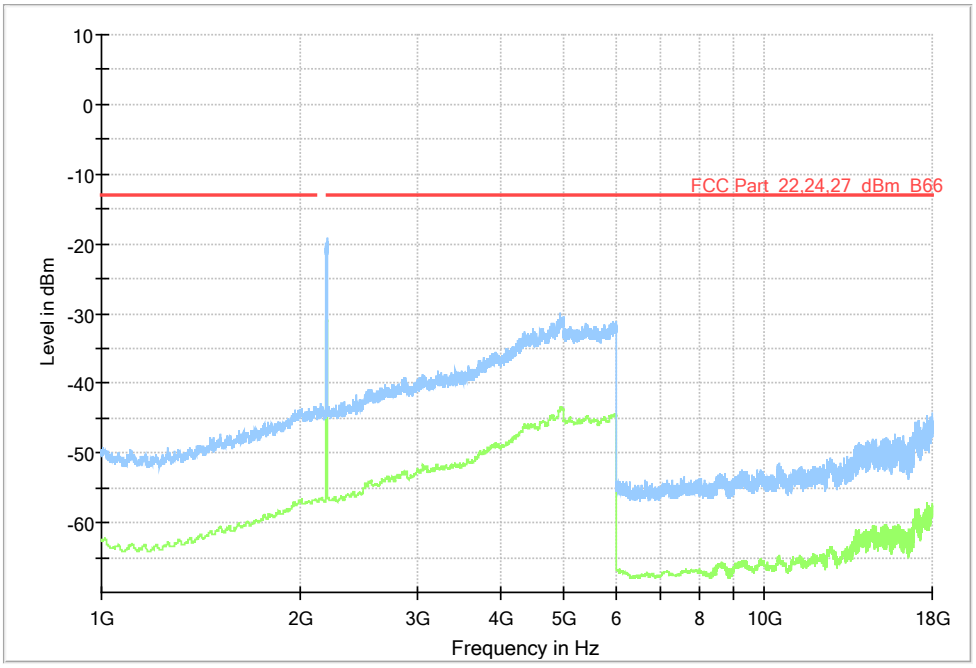
Measurement results, RMS

Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



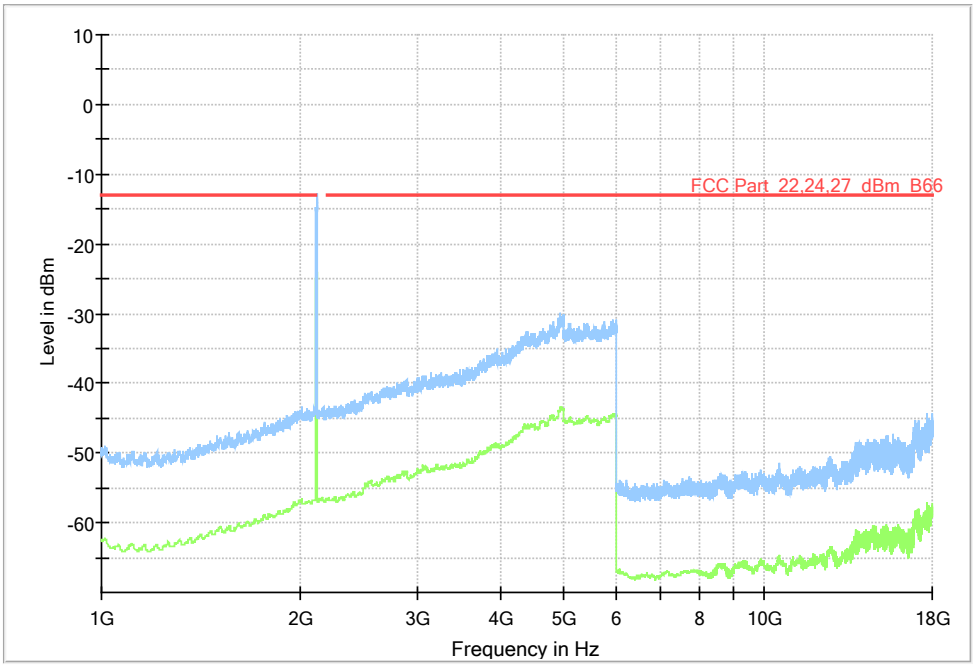
Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C2

Measurement results, RMS
Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



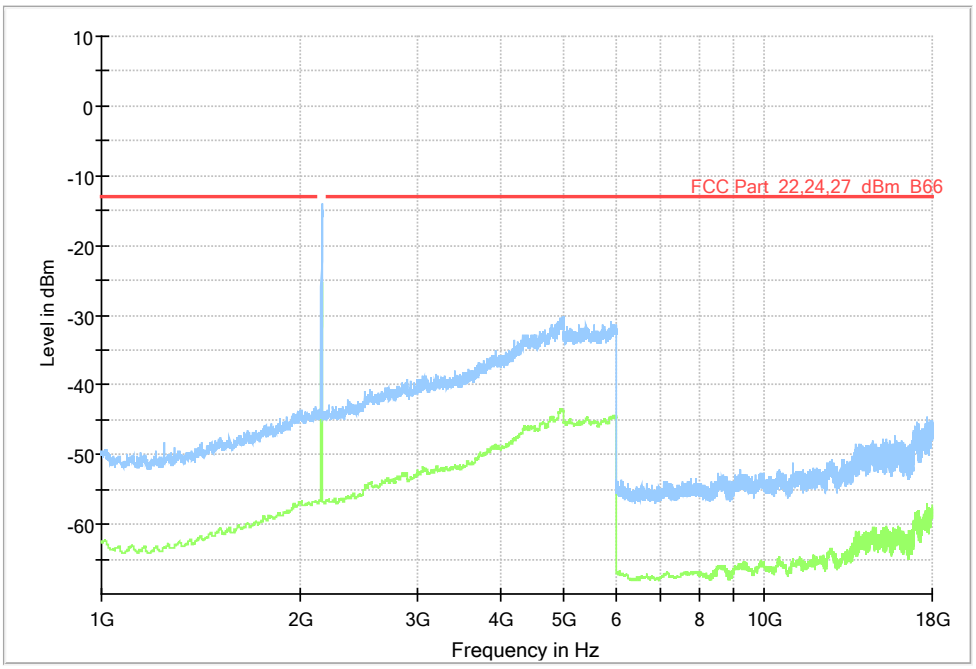
Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C3.

Measurement results, RMS
Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



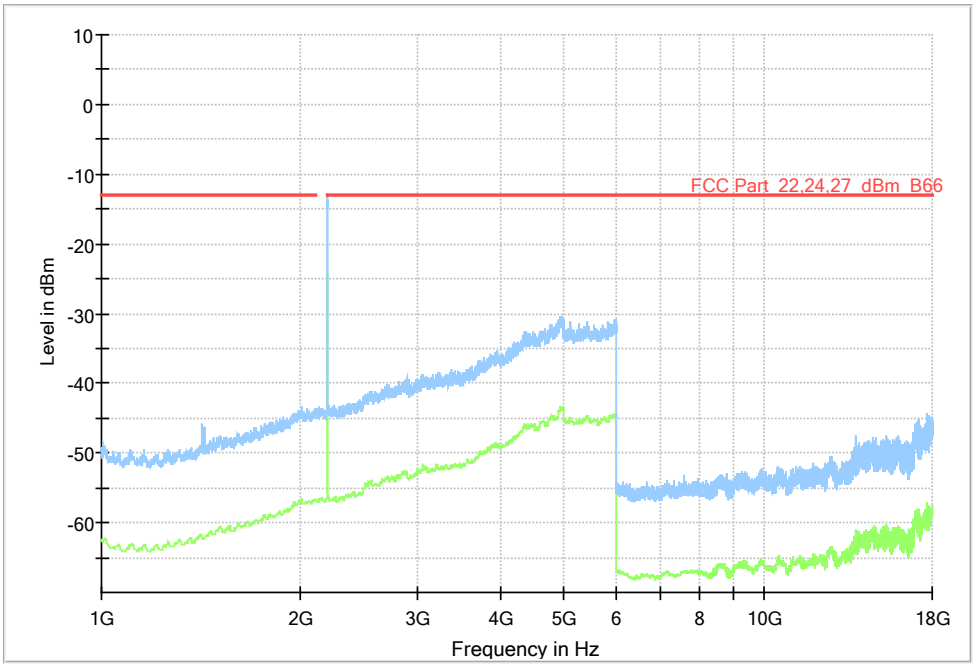
Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C4

Measurement results, RMS
Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



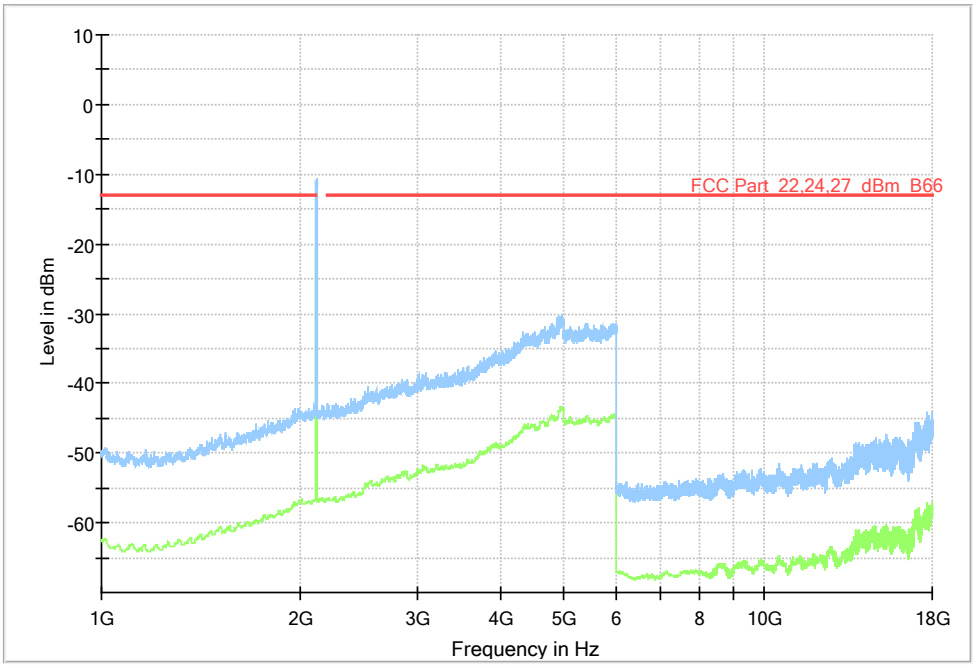
Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C5

Measurement results, RMS
Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



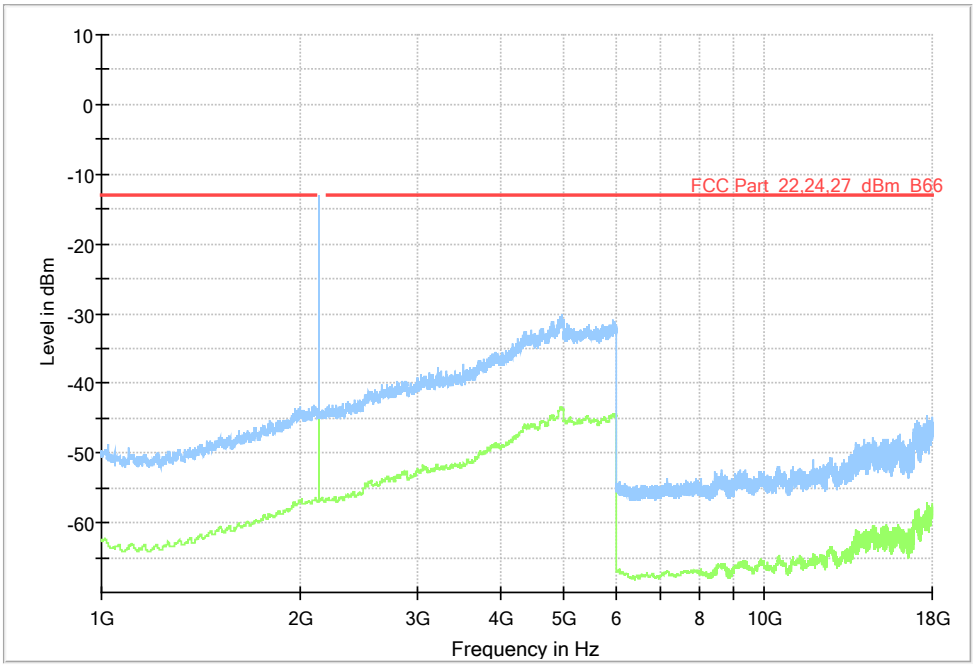
Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C6

Measurement results, RMS
Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



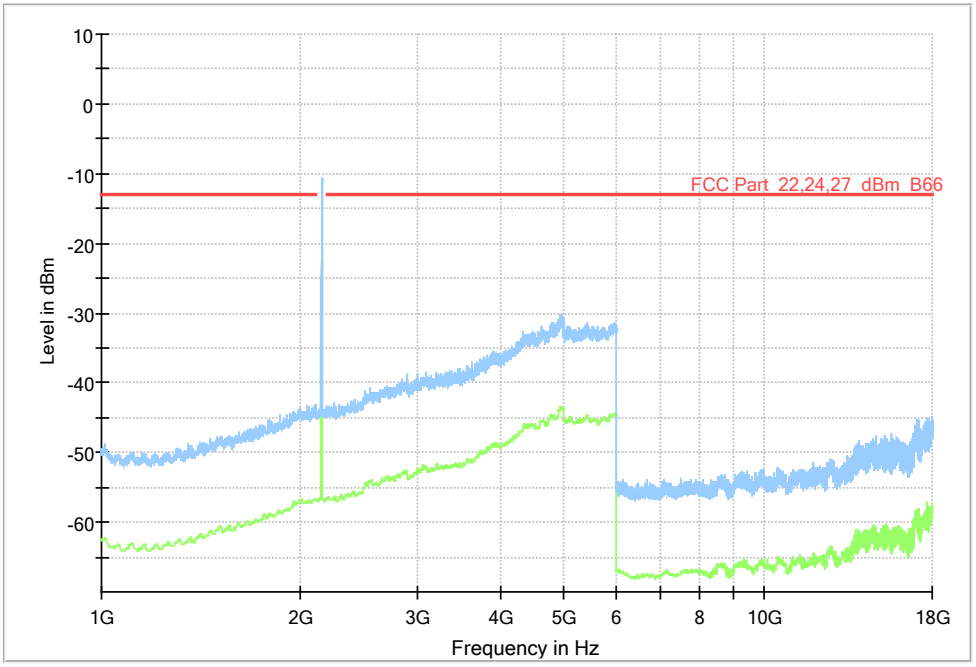
Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C7

Measurement results, RMS
Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



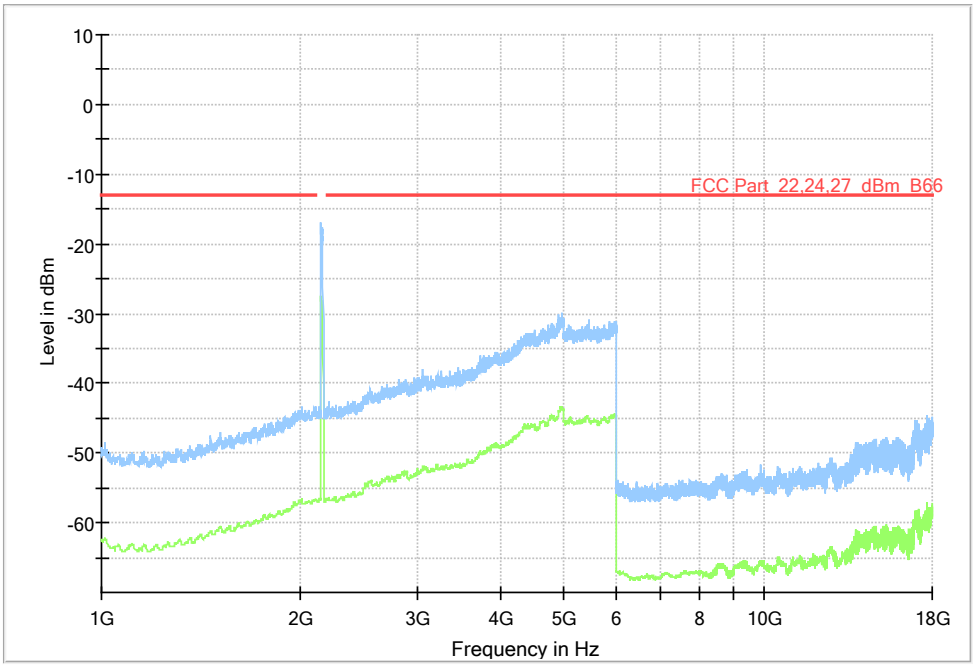
Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C8

Measurement results, RMS
Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



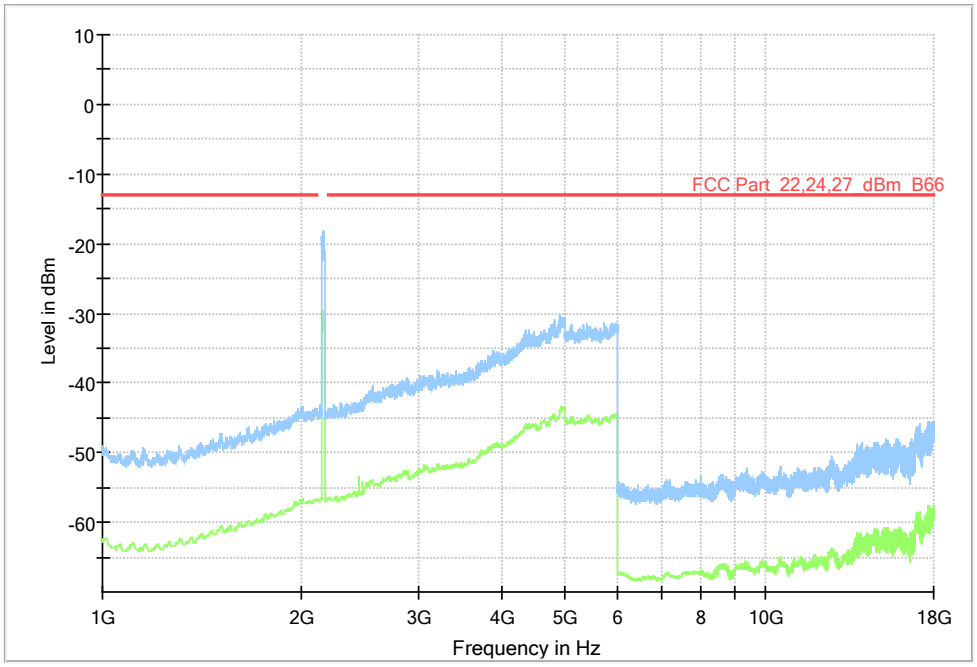
Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C9

Measurement results, RMS
Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C11

Measurement results, RMS
Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C14

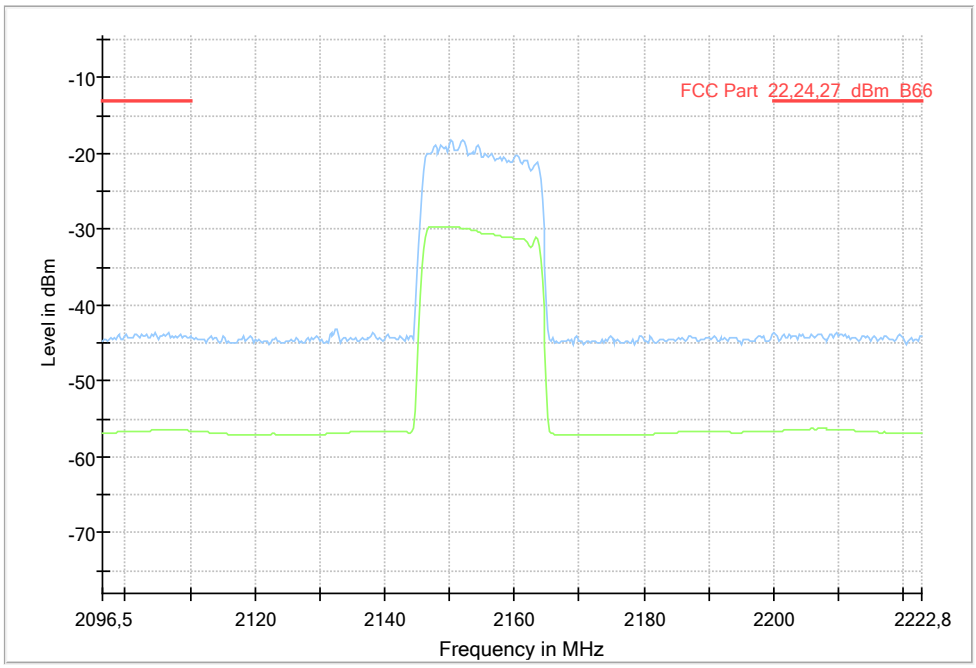
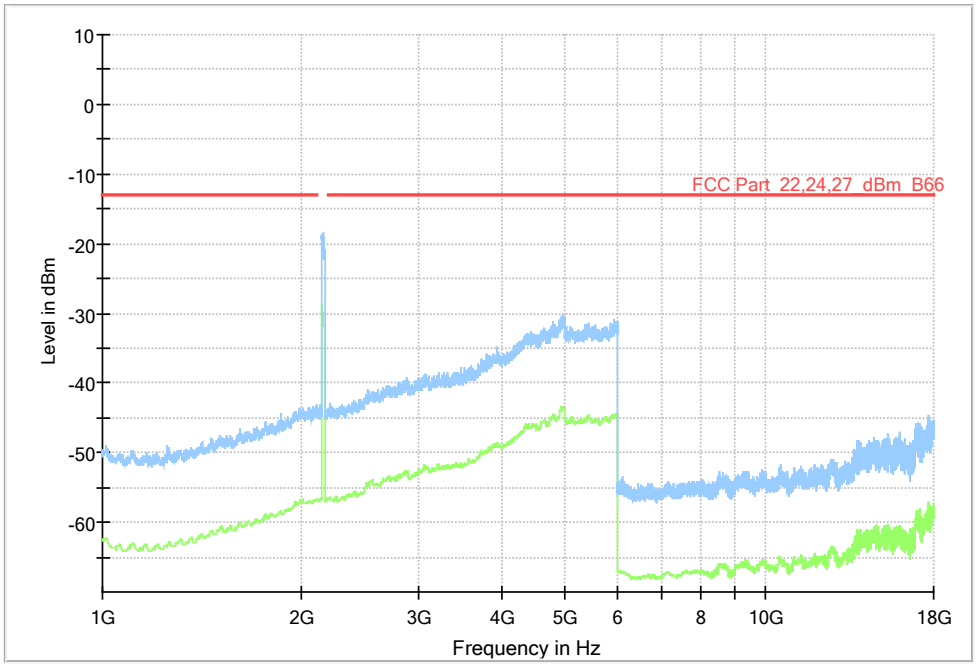


Diagram Zoom, configuration C14

Measurement results, RMS

Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C17

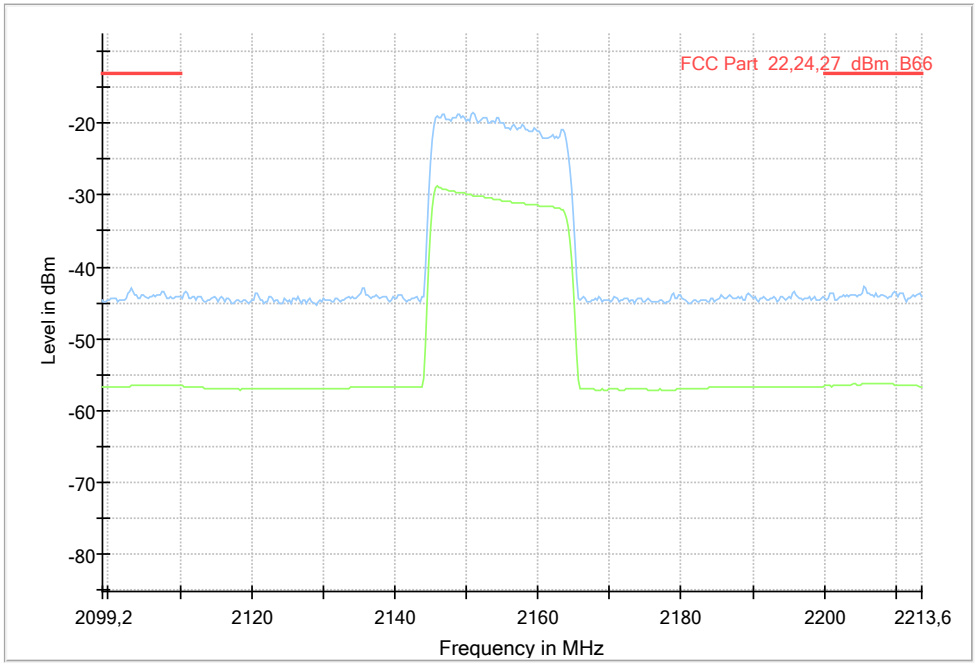
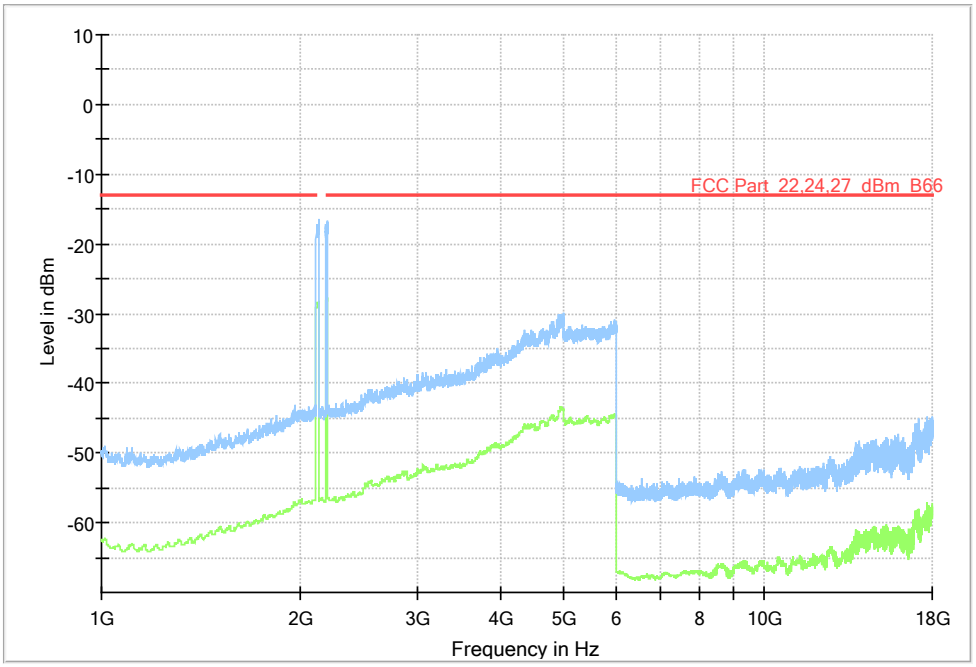


Diagram Zoom, configuration C17

Measurement results, RMS

Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C19

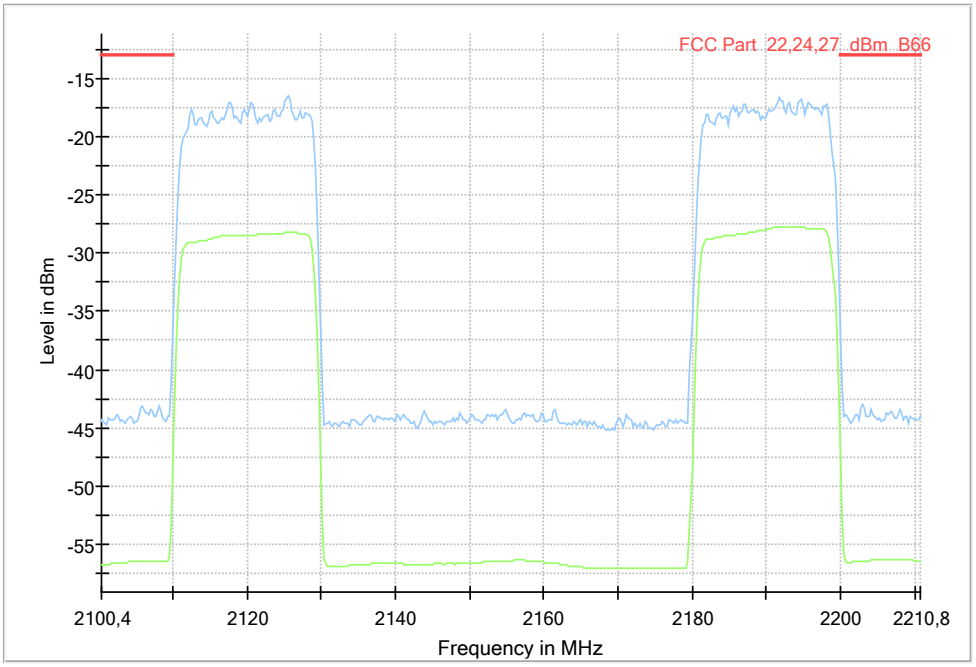
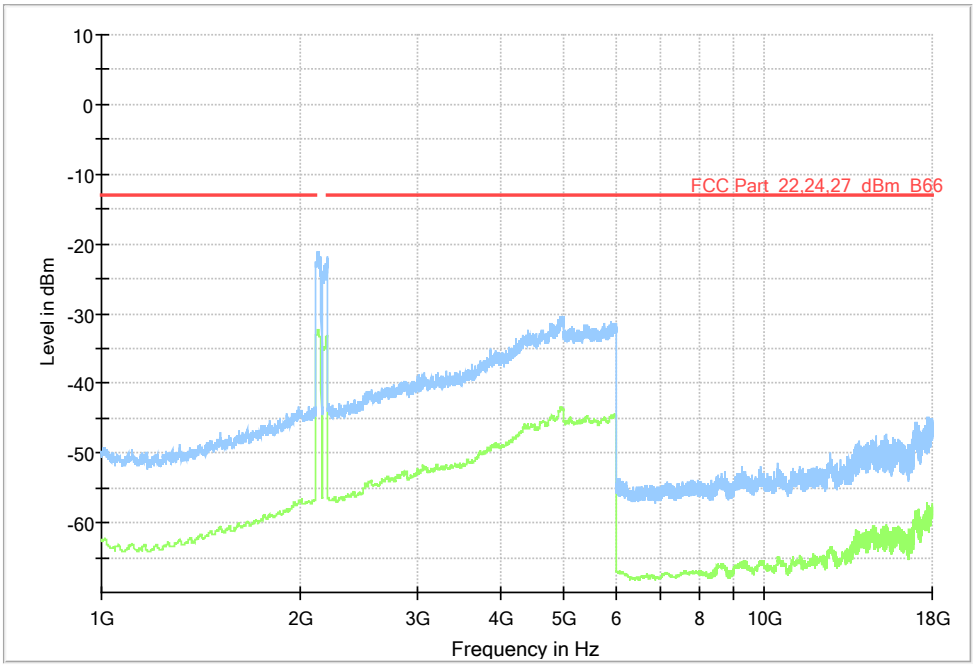


Diagram Zoom, configuration C19

Measurement results, RMS

Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C20

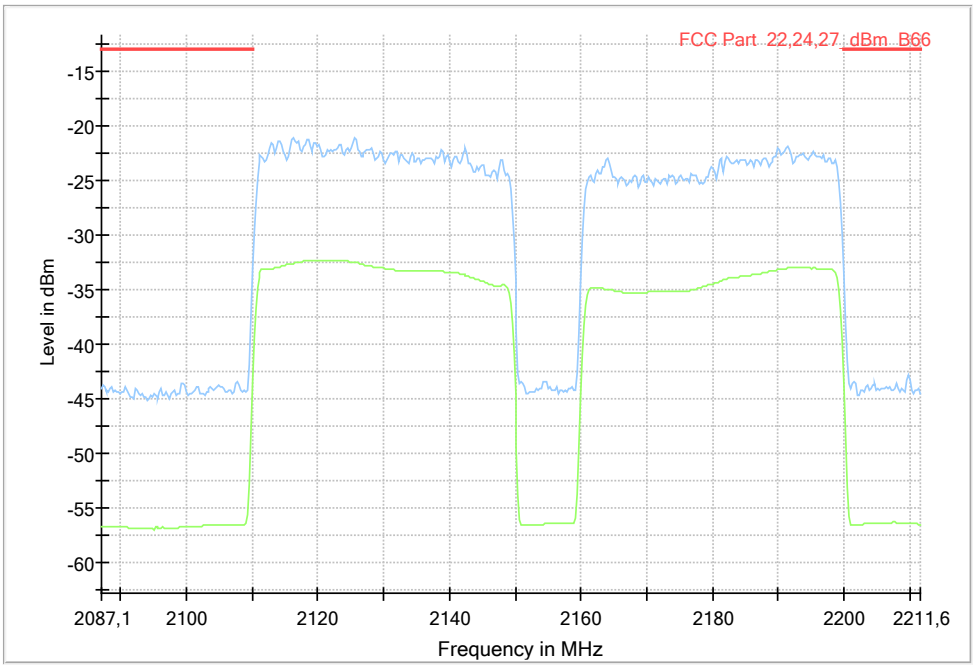
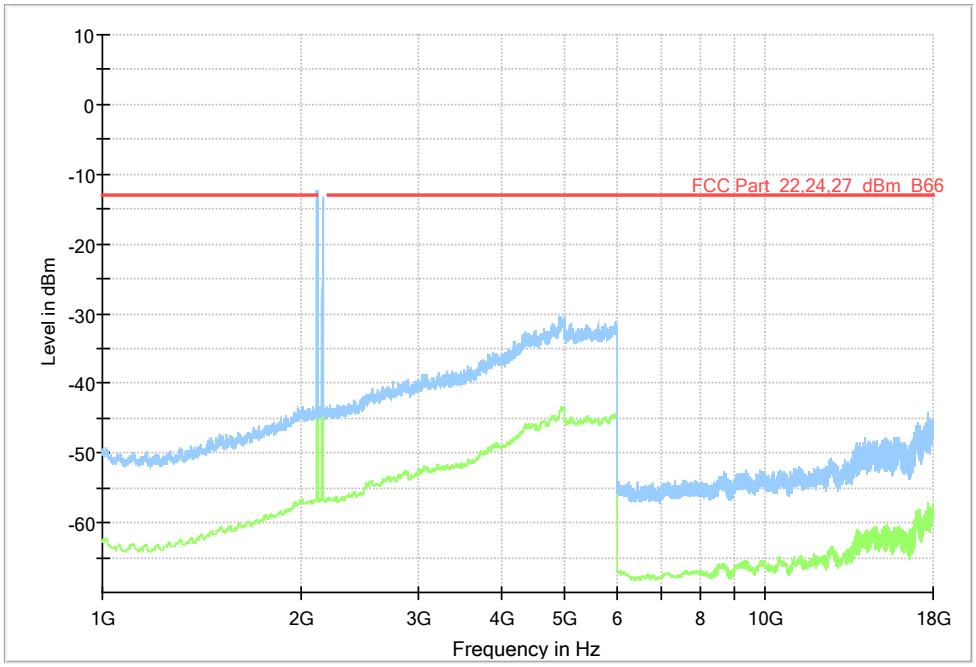


Diagram Zoom, configuration C20

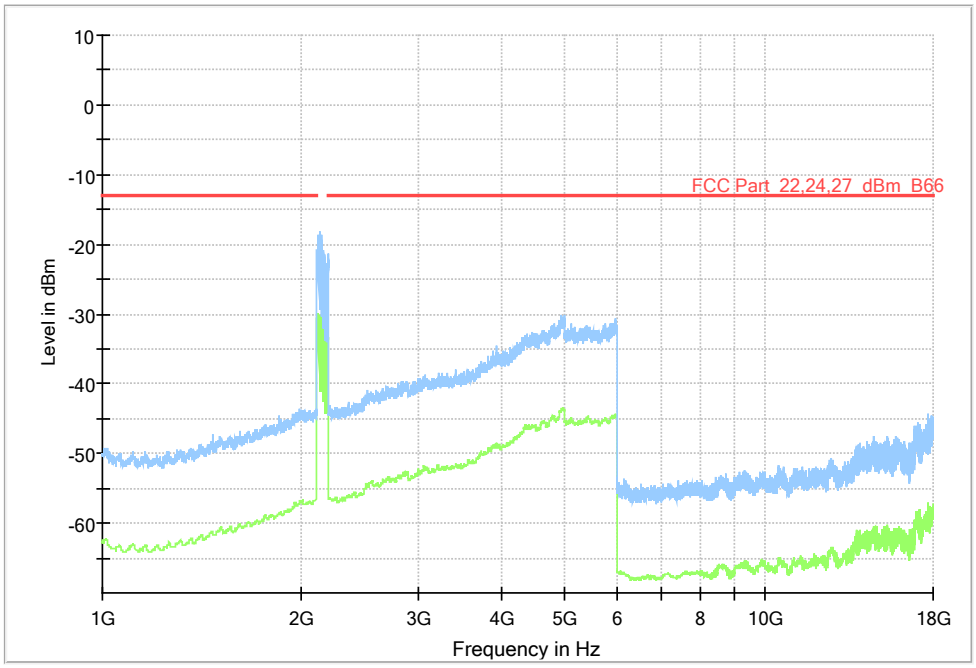
Measurement results, RMS

Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



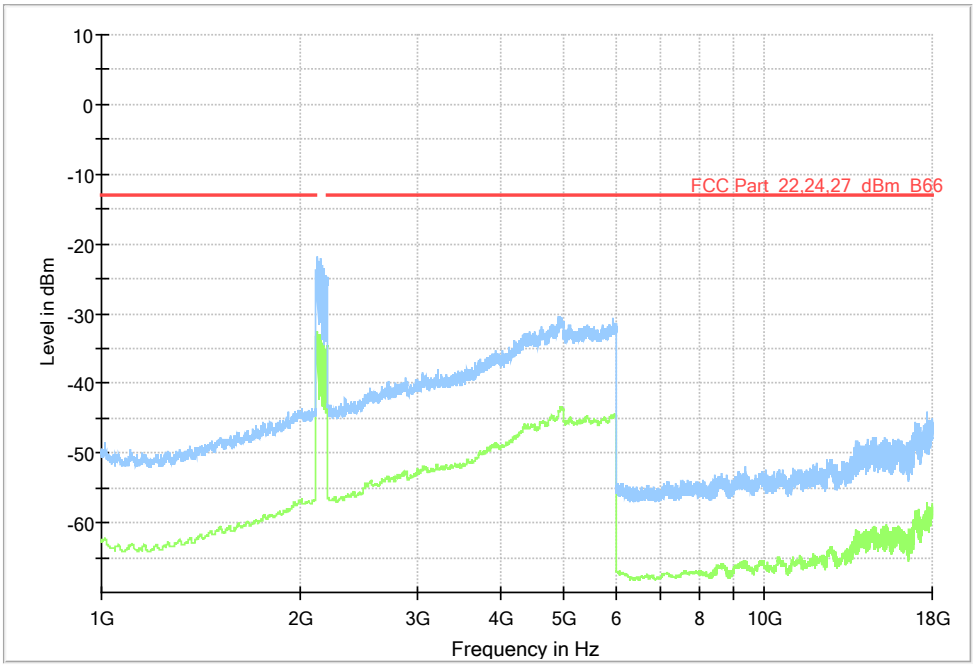
Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C21

Measurement results, RMS
Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



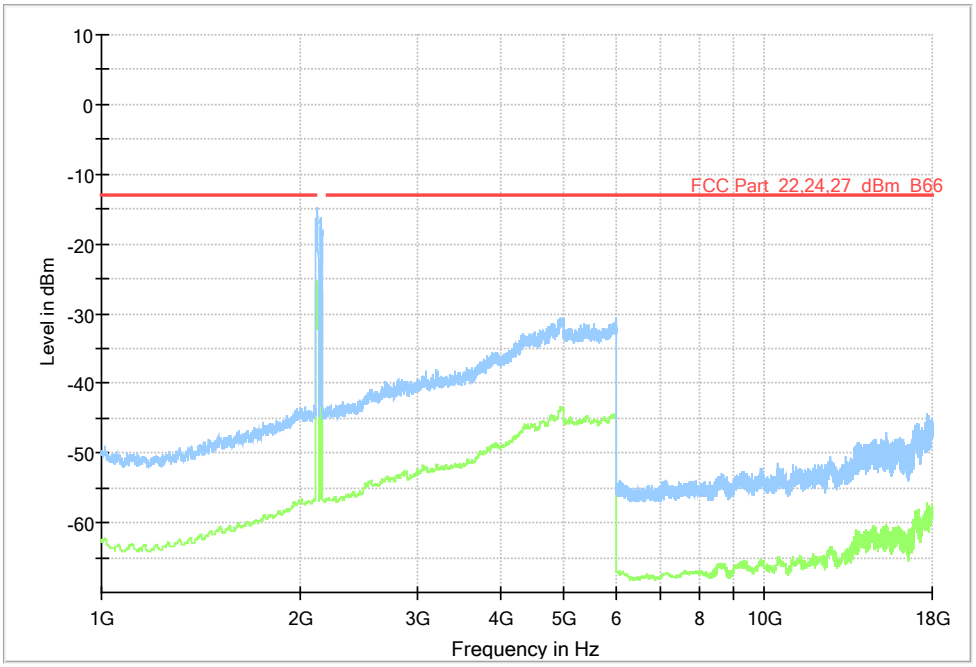
Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C22

Measurement results, RMS
Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C23

Measurement results, RMS
Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C24

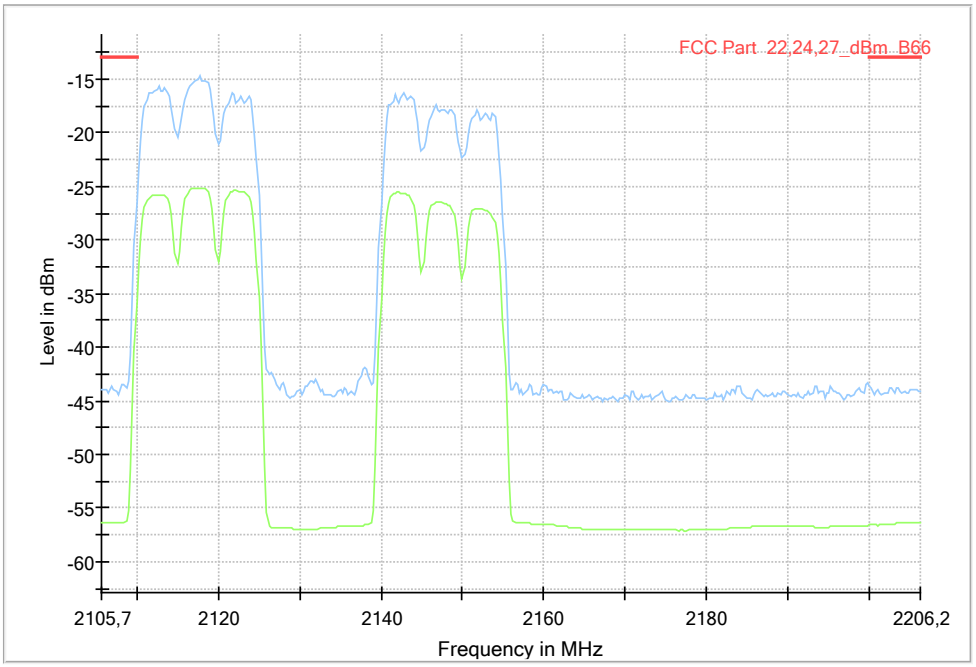
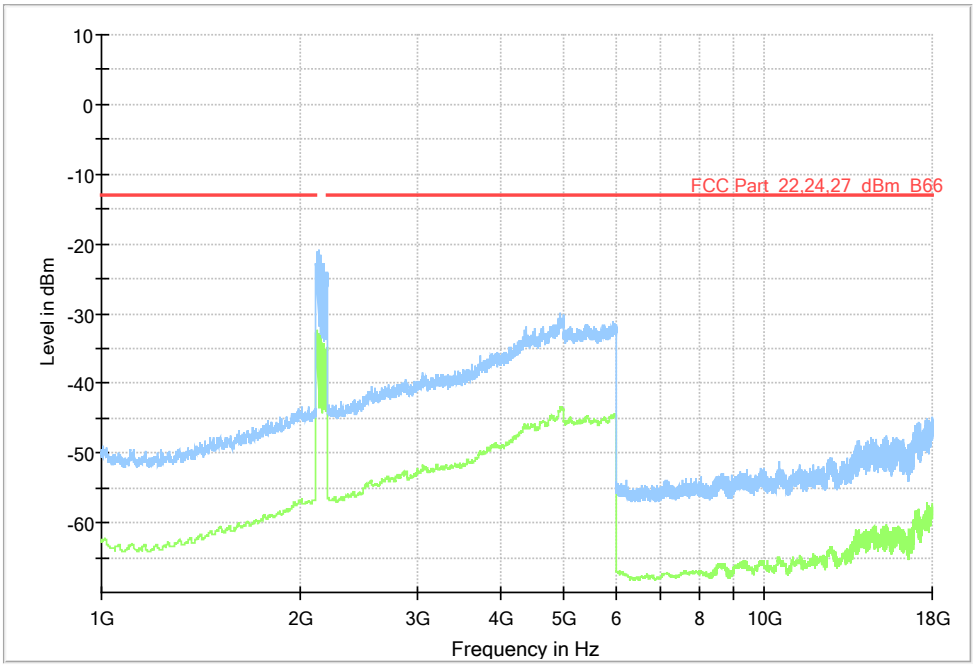


Diagram Zoom, configuration C24

Measurement results, RMS

Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C25

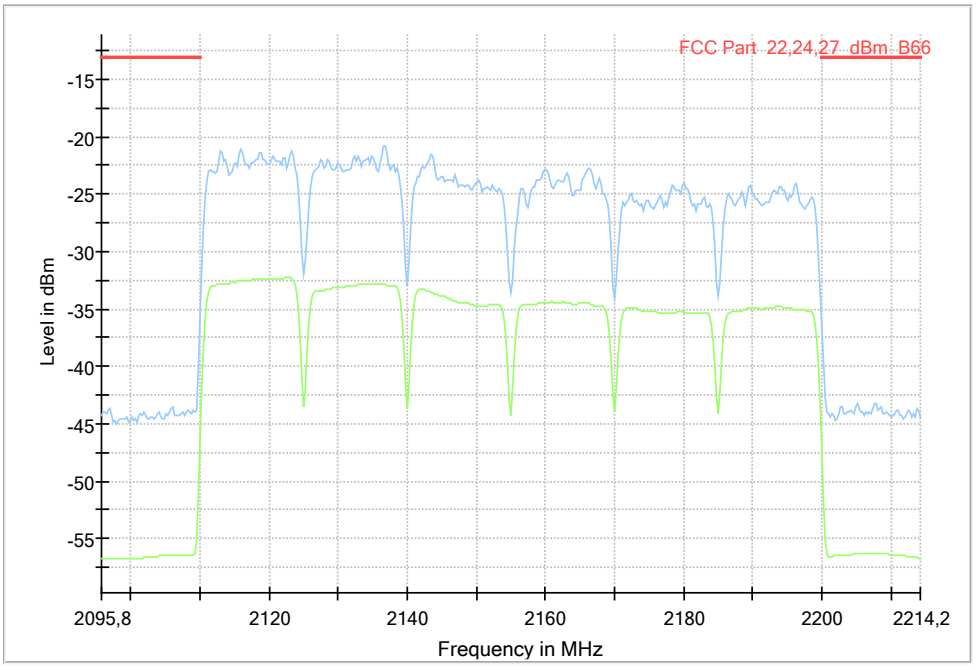
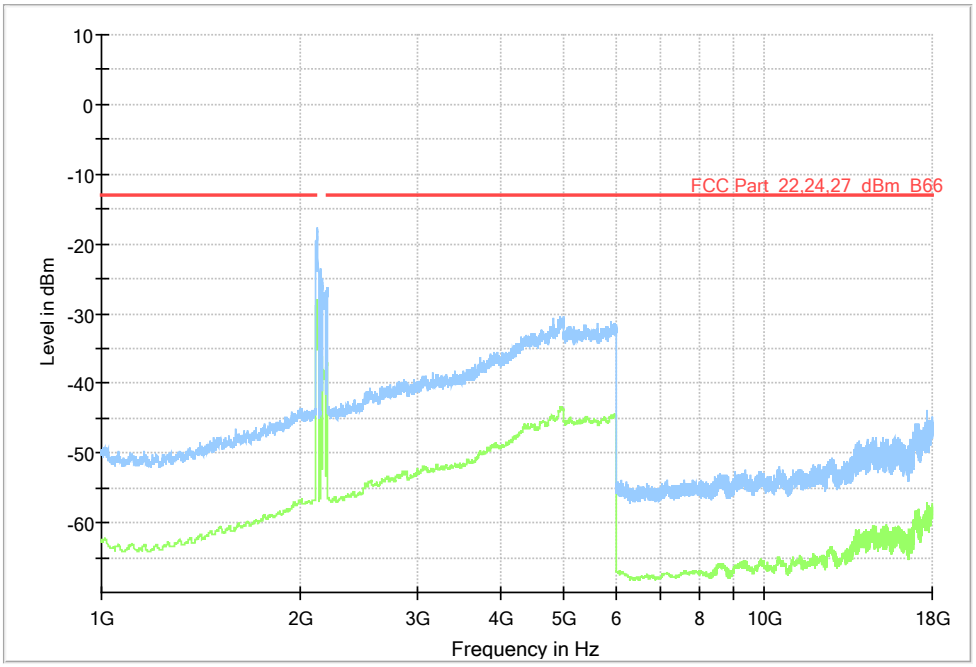


Diagram Zoom, configuration C25

Measurement results, RMS

Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C26

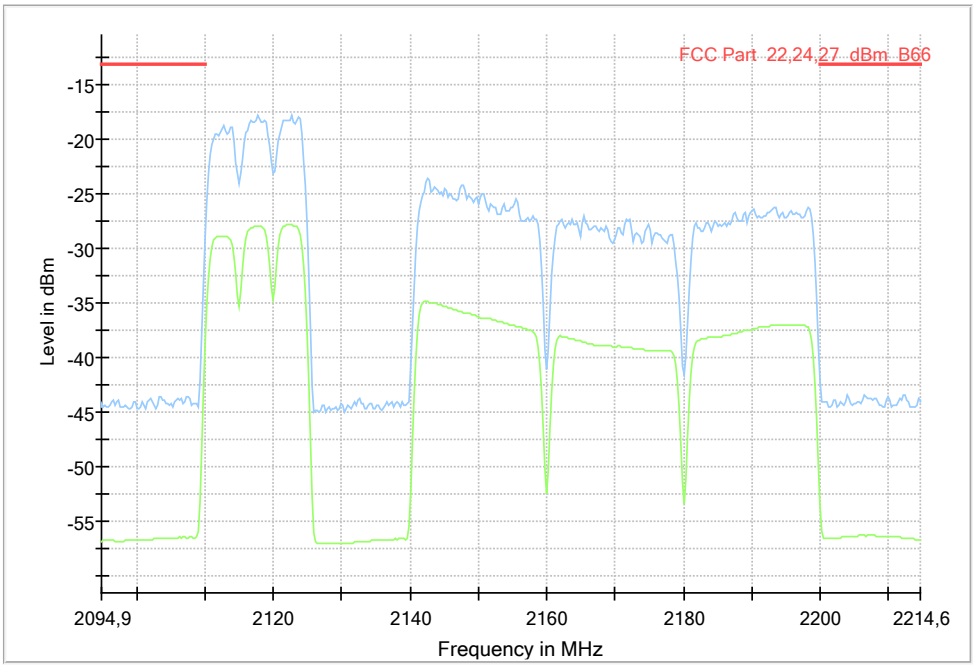
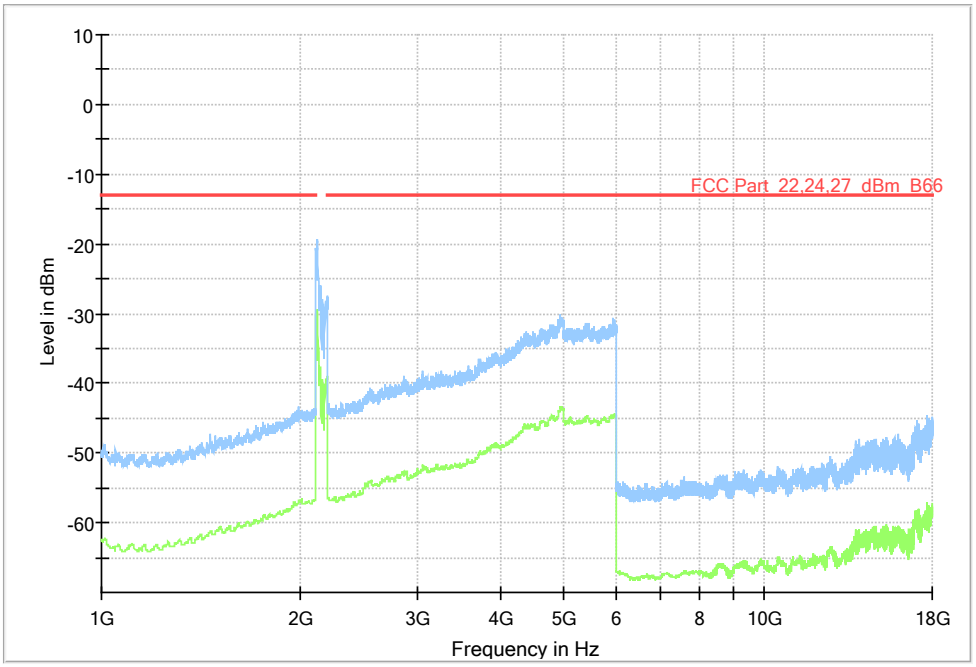


Diagram Zoom, configuration C26

Measurement results, RMS

Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.



Diagram, Peak and average overview sweep, 1 – 18 GHz at 3 m distance, configuration C27

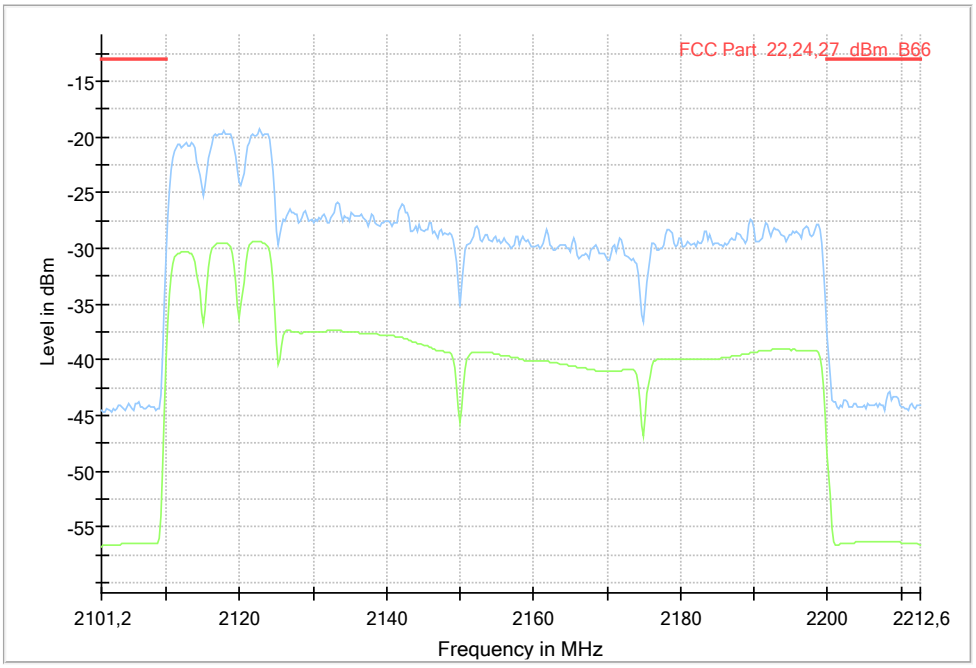
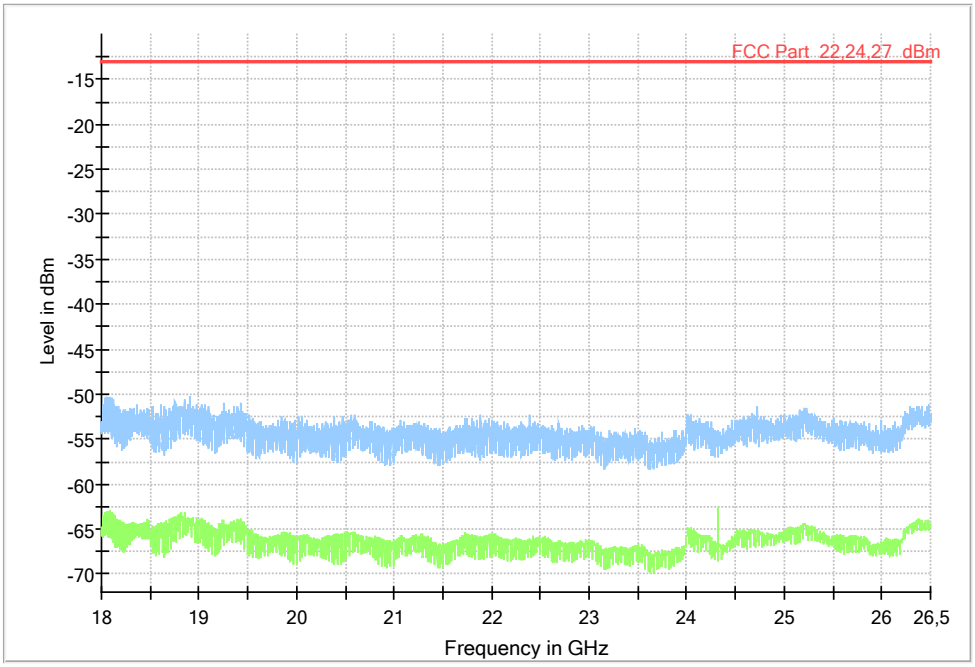


Diagram zoom, configuration C27

Measurement results, RMS

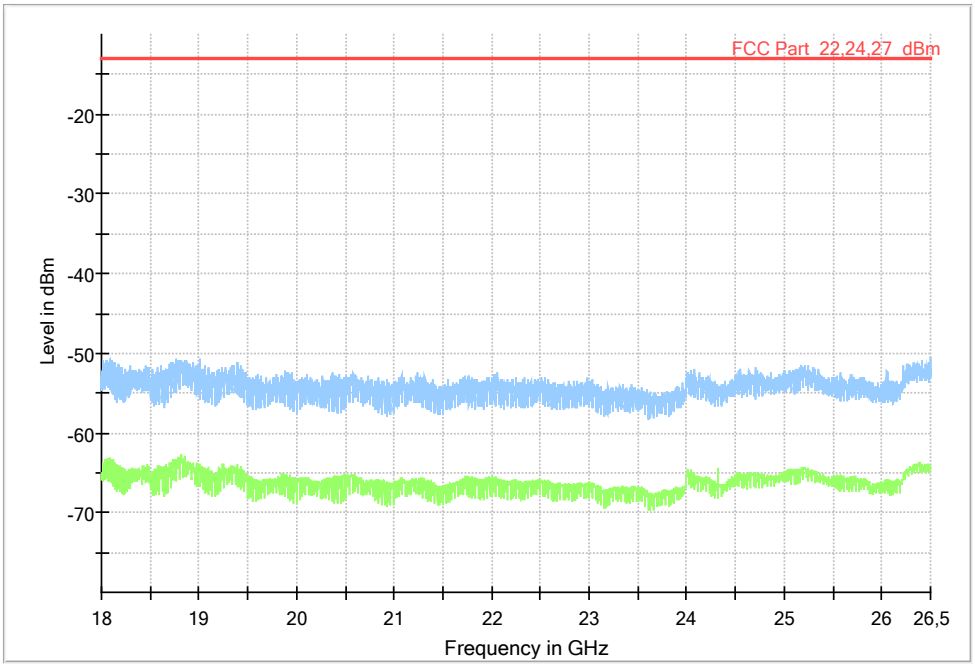
Only noise was detected. The interference at the carrier frequency belongs to the transmitter carrier and should be ignored.

5.5 Test results, 18 – 26 GHz



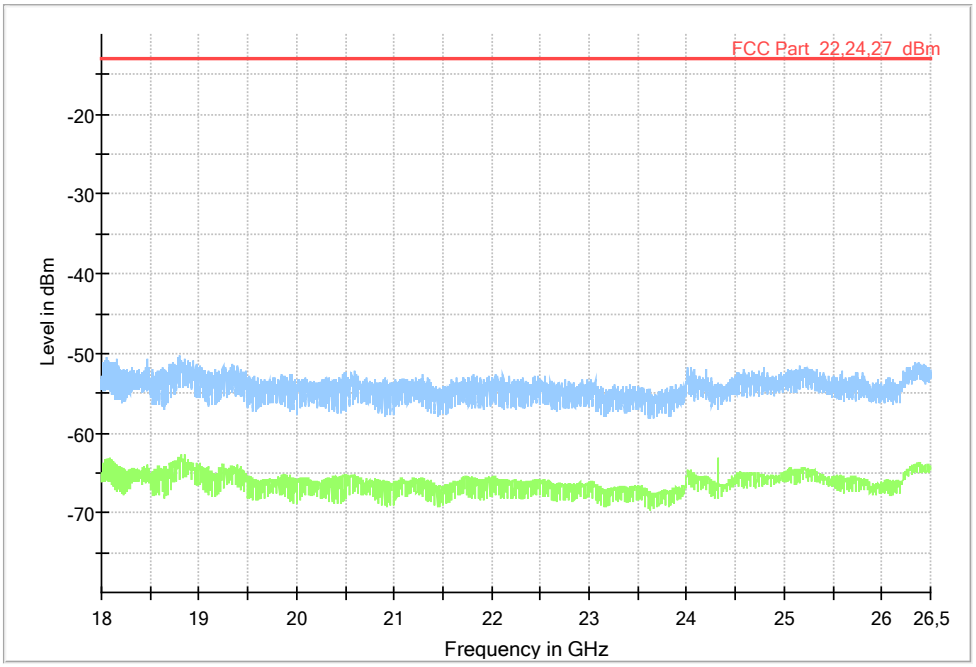
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C1.

Measurement results, RMS
Only noise was detected.



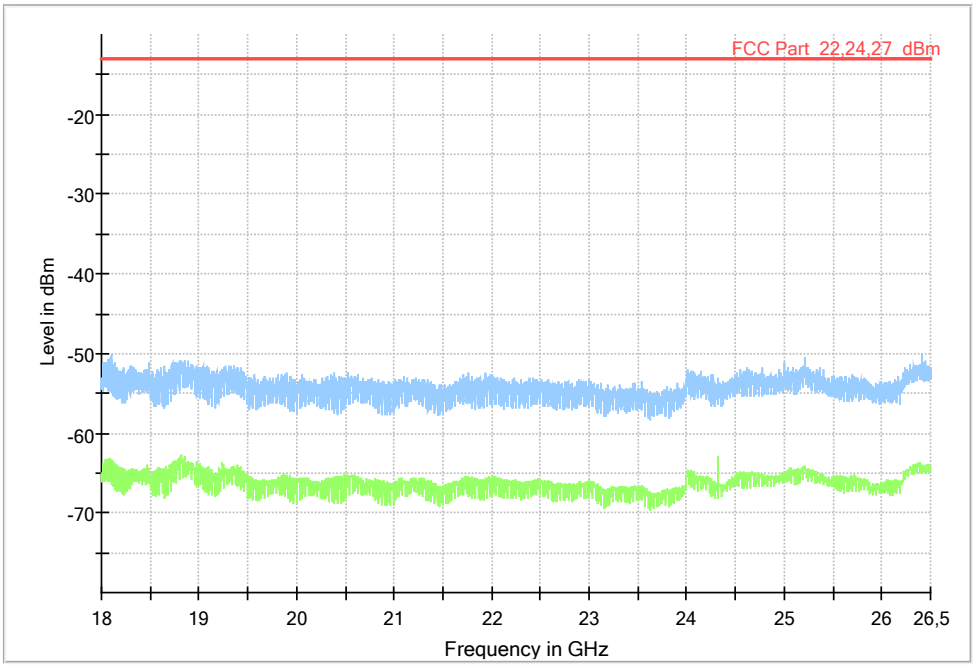
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C2.

Measurement results, RMS
Only noise was detected.



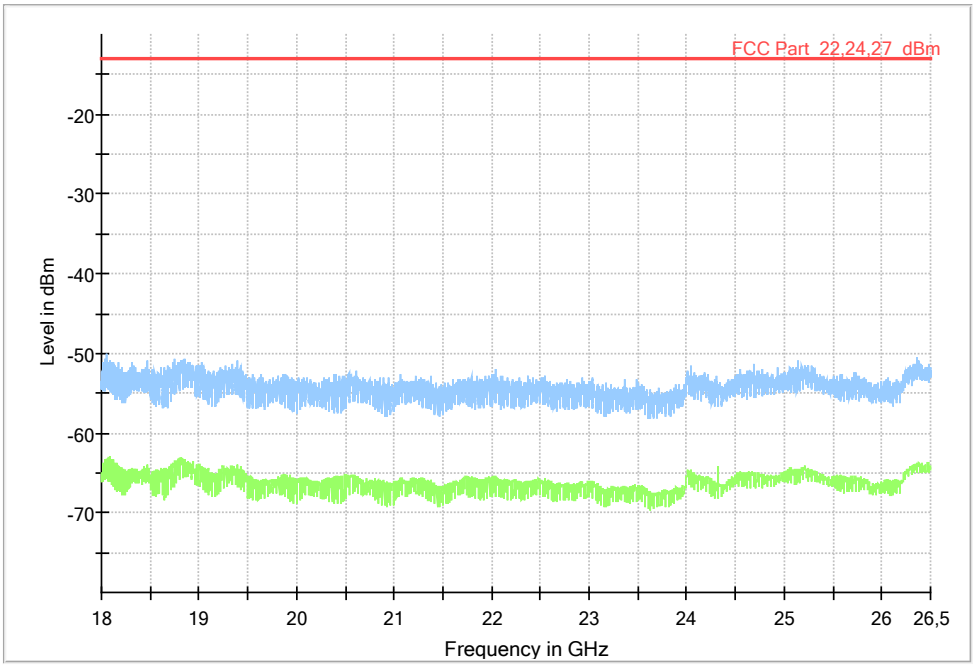
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C3.

Measurement results, RMS
Only noise detected.



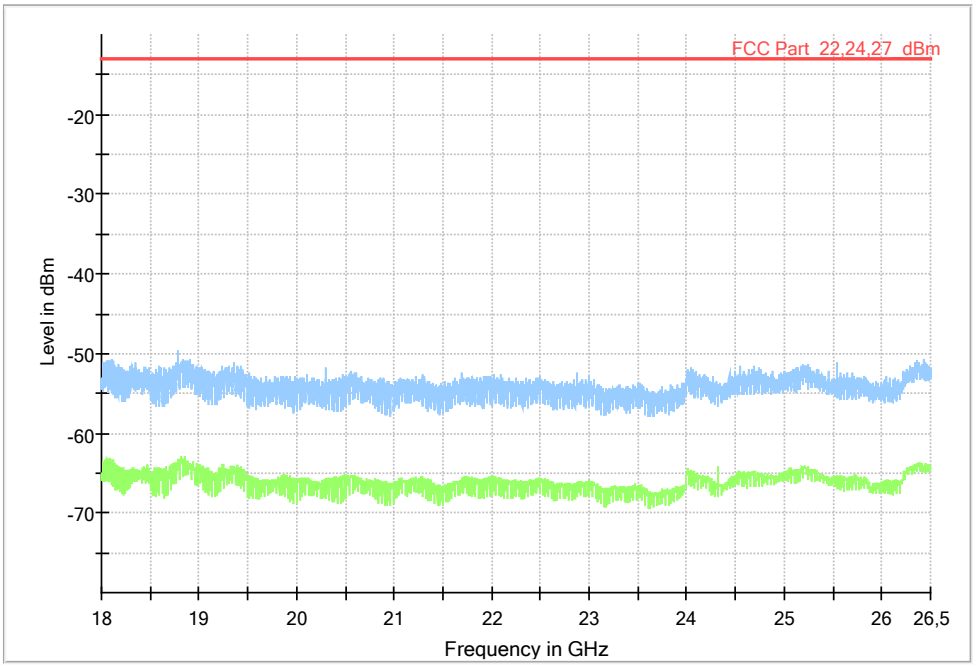
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C4.

Measurement results, RMS
Only noise was detected.



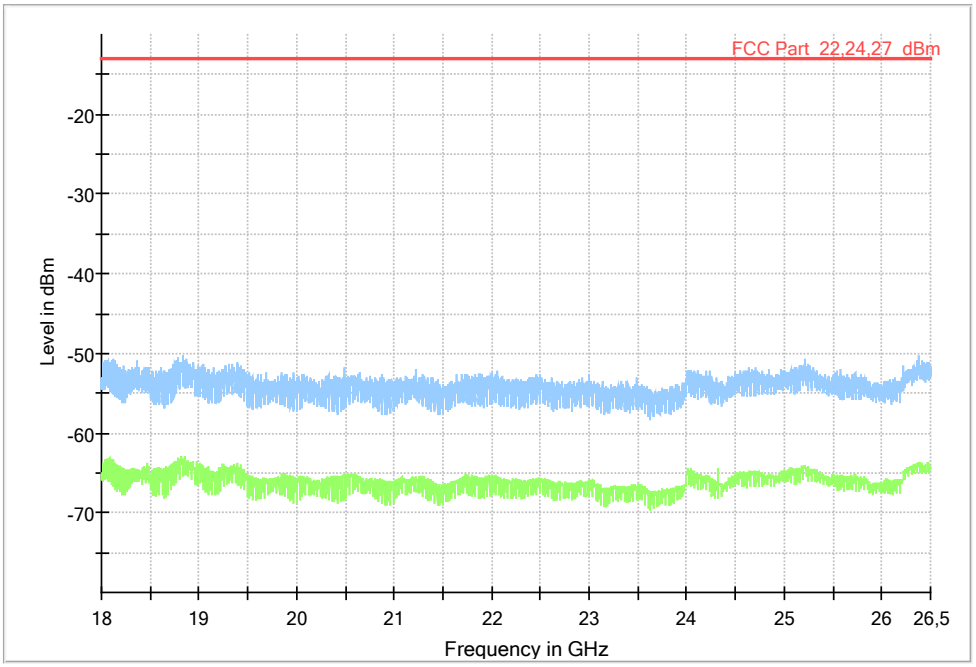
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C5

Measurement results, RMS
Only noise was detected.



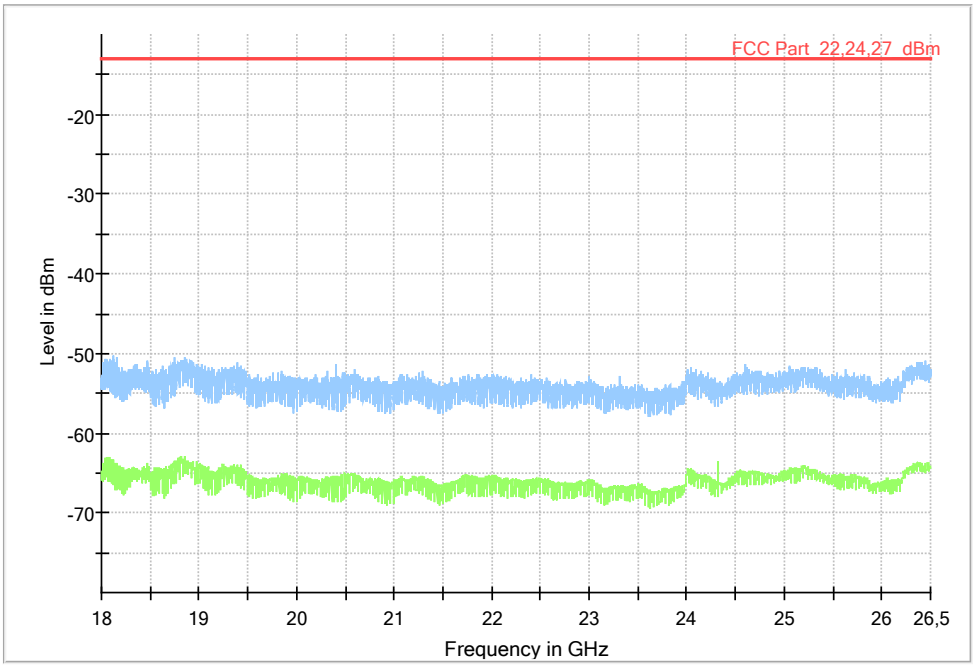
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C6

Measurement results, RMS
Only noise was detected.



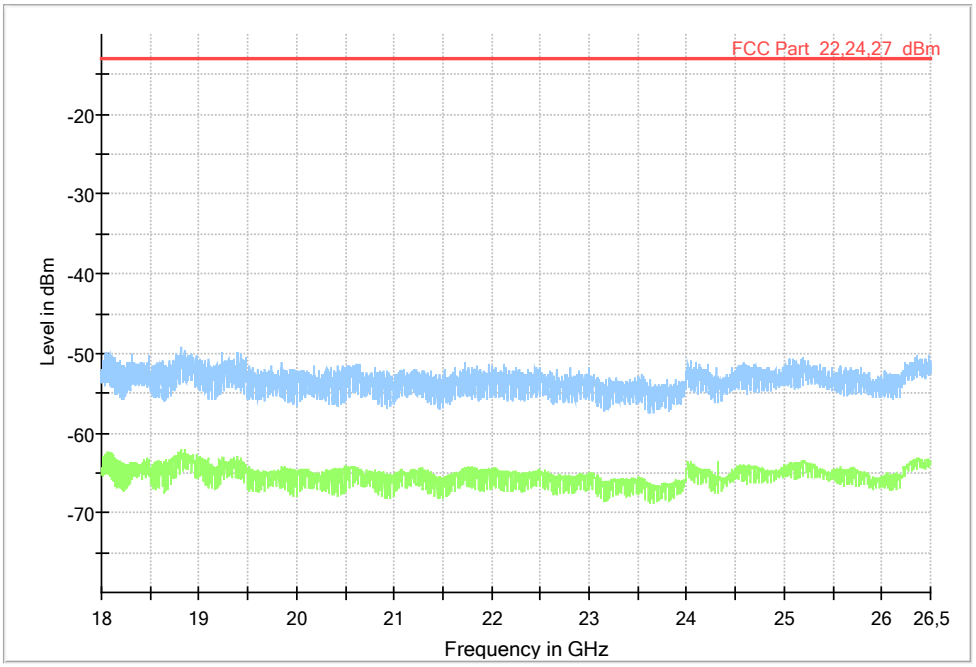
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C7

Measurement results, RMS
Only noise was detected.



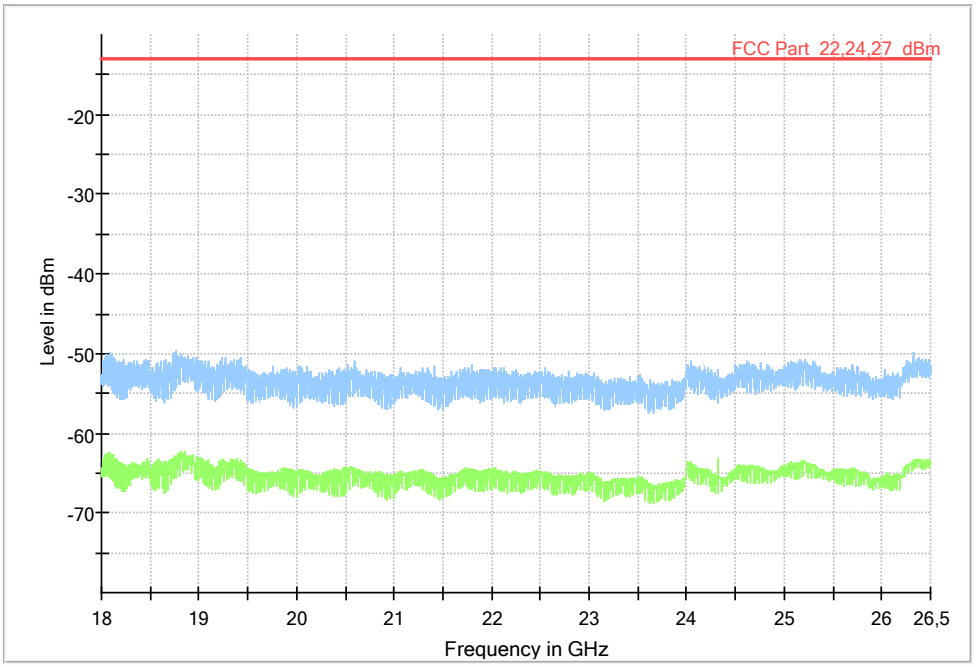
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C8

Measurement results, RMS
Only noise was detected.



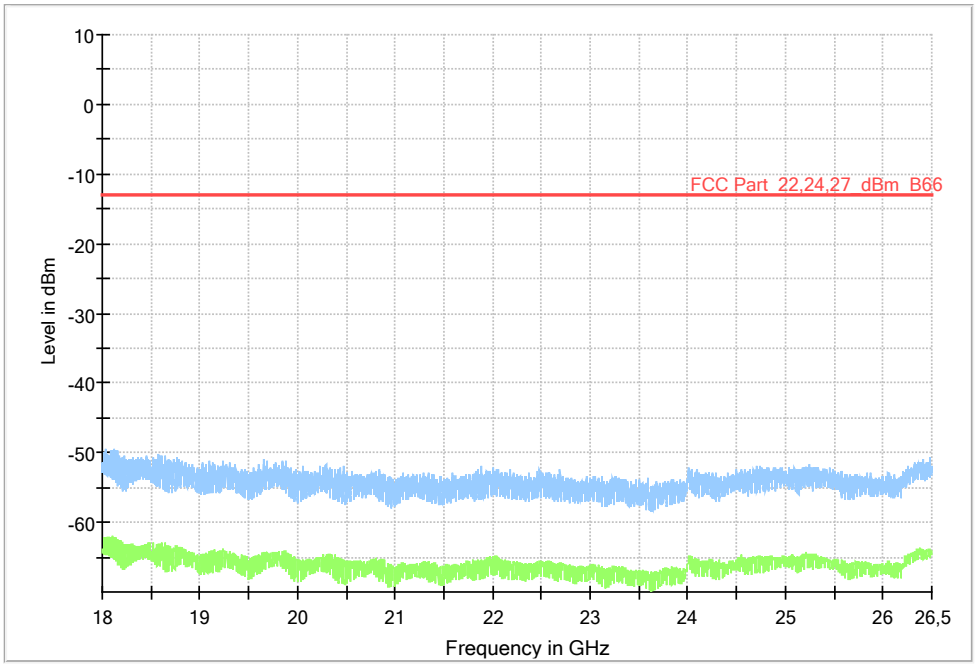
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C9

Measurement results, RMS
Only noise was detected.



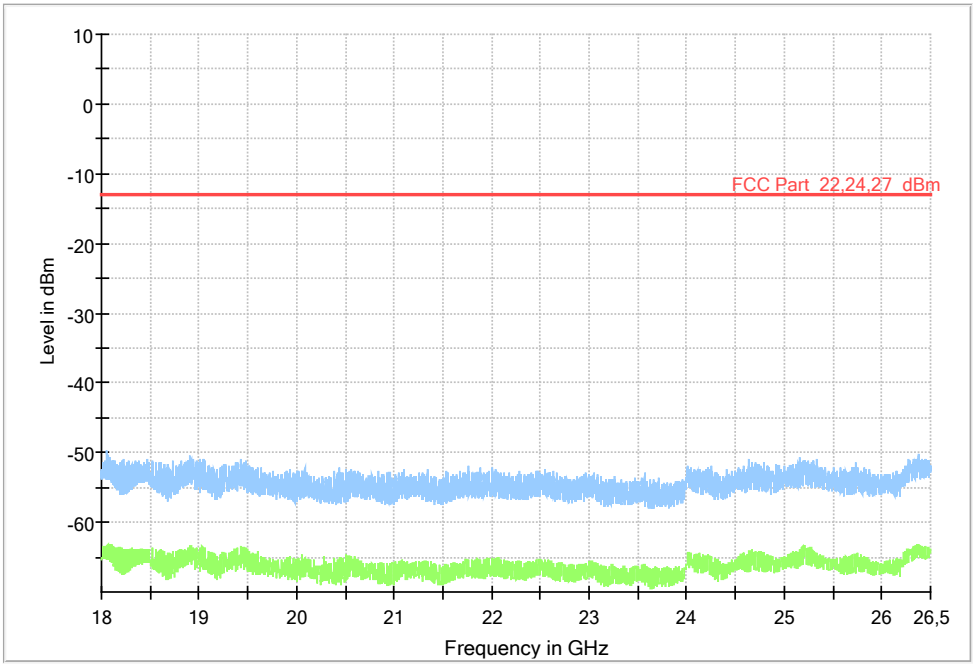
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C11

Measurement results, RMS
Only noise was detected.



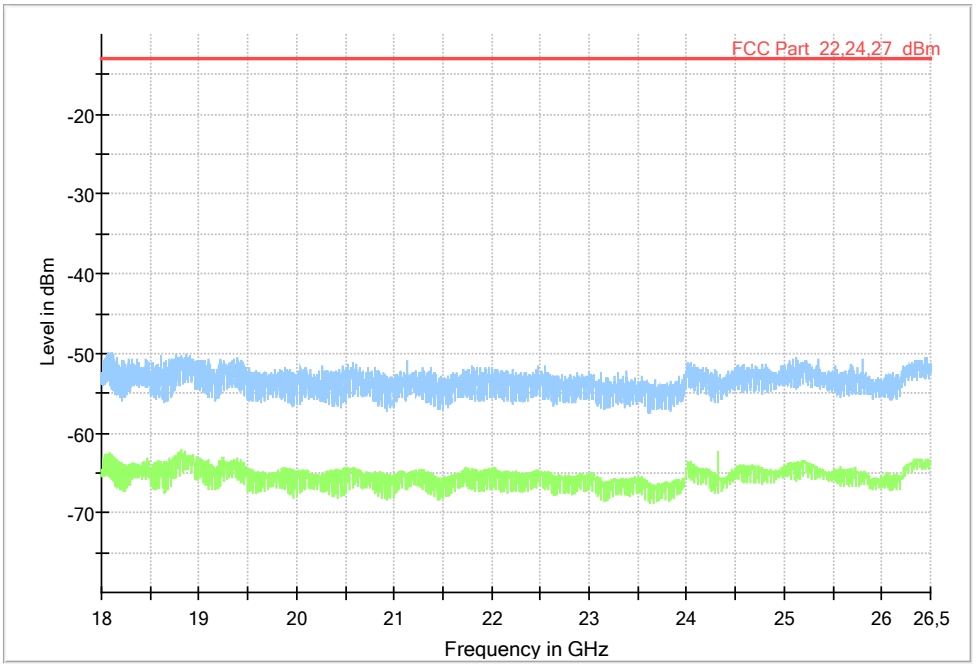
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C14

Measurement results, RMS
Only noise was detected



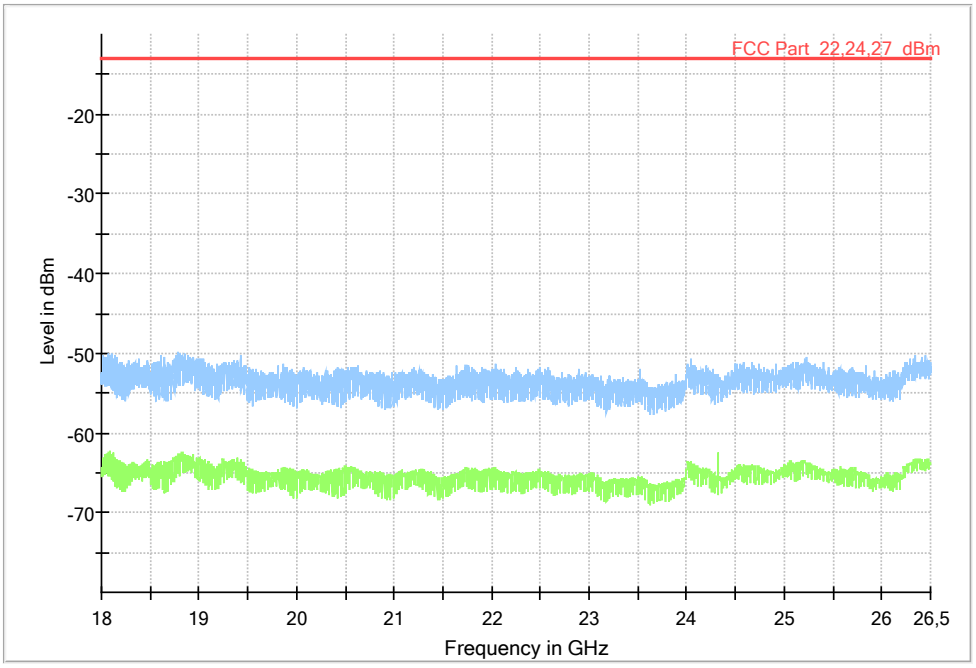
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C17

Measurement results, RMS
Only noise was detected



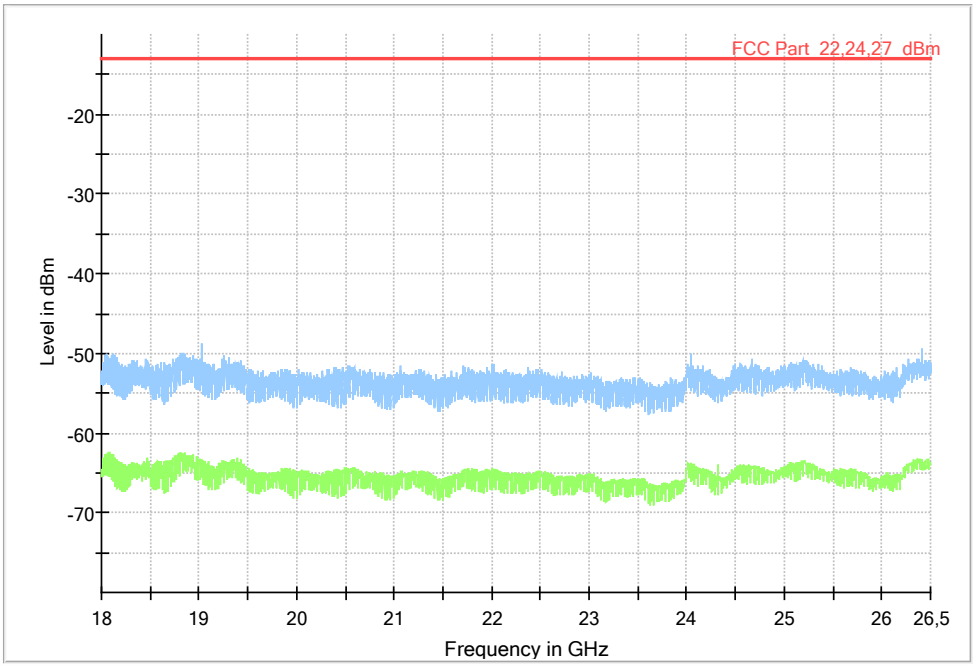
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C19

Measurement results, RMS
Only noise was detected.



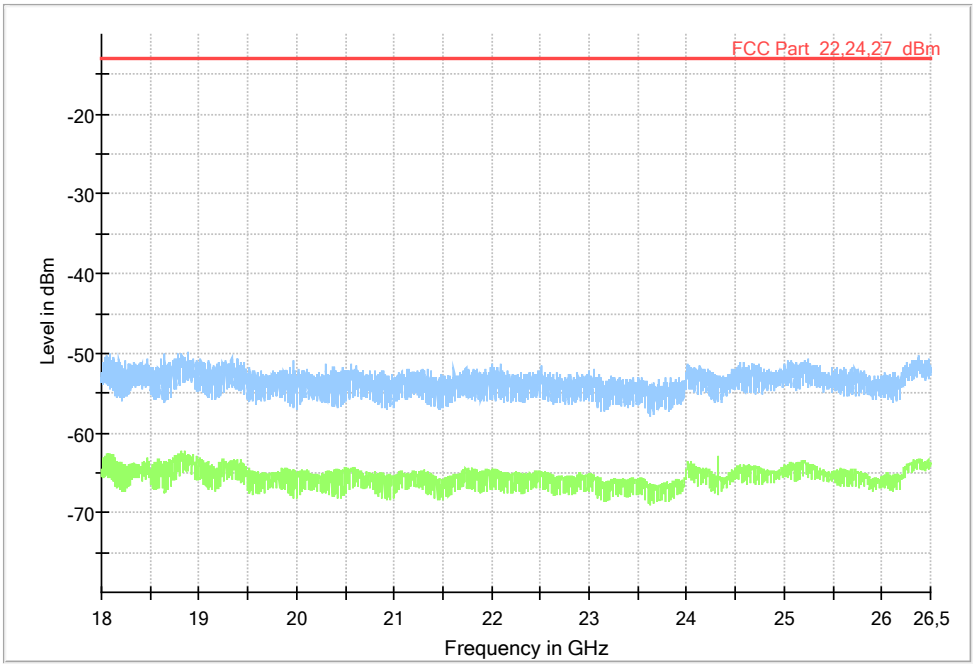
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C20

Measurement results, RMS
Only noise was detected.



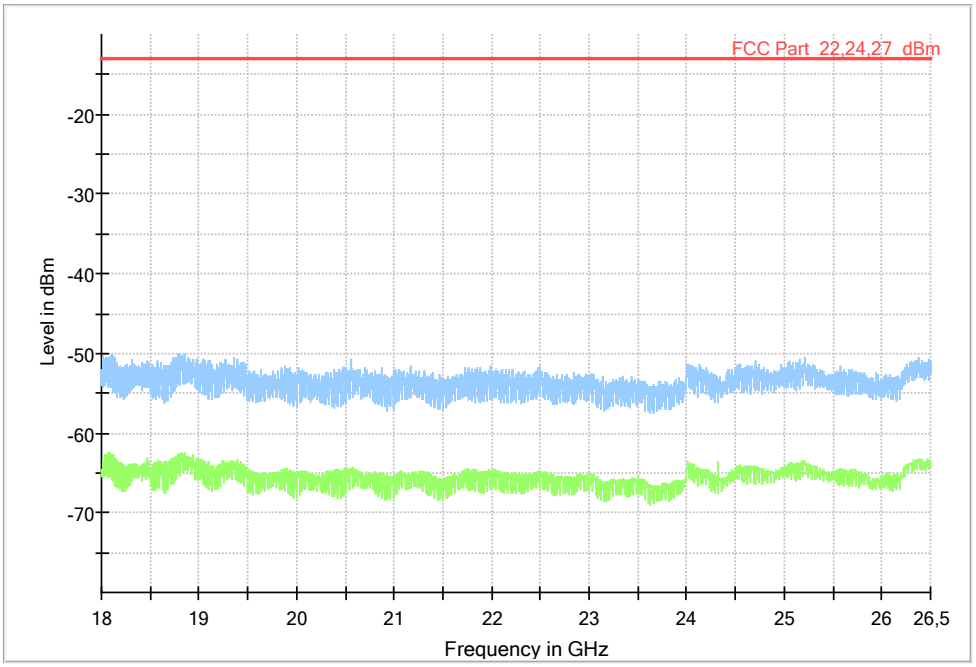
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C21

Measurement results, RMS
Only noise was detected.



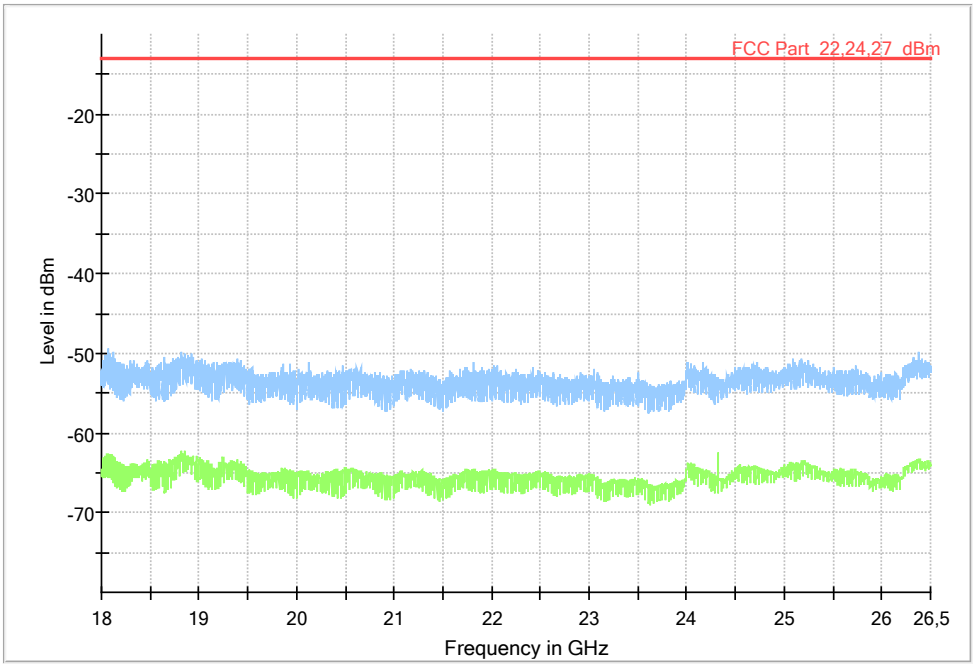
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C22

Measurement results, RMS
Only noise was detected.



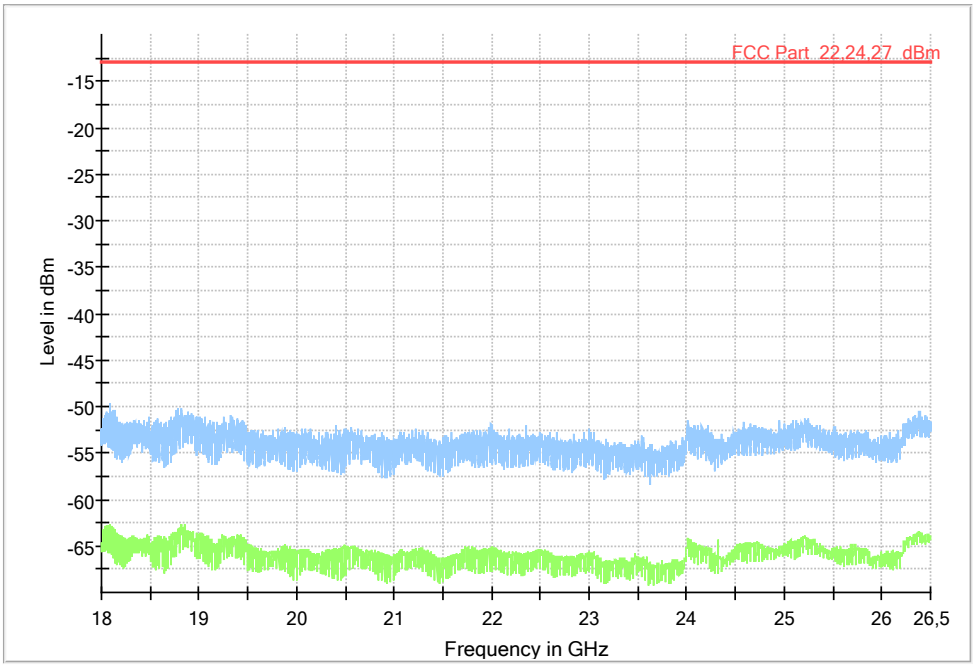
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C23

Measurement results, RMS
Only noise was detected.



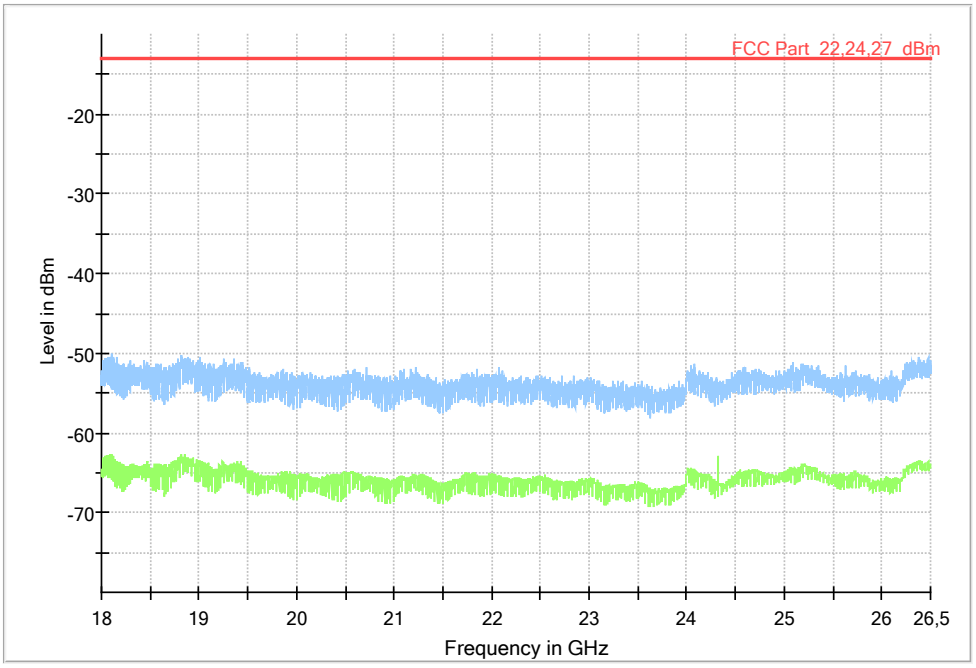
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C24

Measurement results, RMS
Only noise was detected.



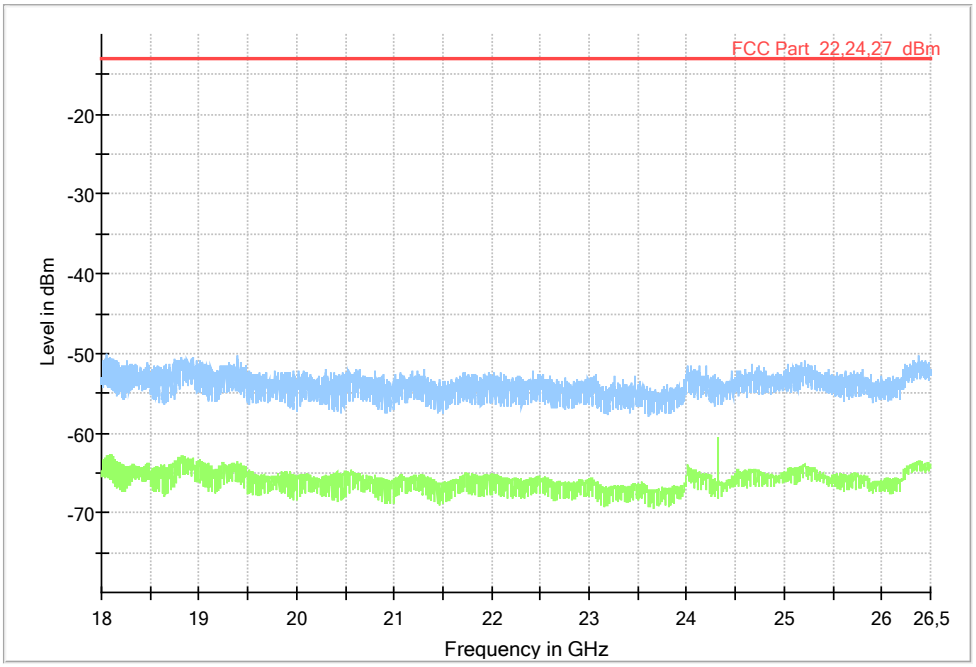
Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C25

Measurement results, RMS
Only noise was detected.



Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C26

Measurement results, RMS
Only noise was detected.



Diagram, Peak and average overview sweep, 18 – 22 GHz at 3 m distance, configuration C27

Measurement results, RMS
Only noise was detected.

6. TEST EQUIPMENT

Equipment type	Manufacturer	Model	Inv. No.	Last Cal. date	Next Cal. date
Measurement software	Rohde & Schwarz	EMC32 – 11.60.00	--	--	--
Measurement Receiver	Rohde & Schwarz	ESW44	33950	July 02, 2024	1 year
Open switch and control platform	Rohde & Schwarz	OSP130	32298	December 11, 2024	1 year
Horn antenna	Bonn	BLMA 1826-5A	31247	September 13, 2023	3 years
Open switch and control platform	Rohde & Schwarz	OSP-F7-B	32299	December 11, 2024	1 year
Coaxial cable	Schuner	SUCOFLEX 104	39003	October 10, 2024	1 year
Coaxial cable	ROSENBERGER	UFB311A	39053	August 26, 2024	1 year
Antenna ultralog	Rohde & Schwarz	HL562	32310	July 17, 2024	2 years
Coaxial cable	Rosenberger	JFB293C	39141	June 1, 2024	1 year
Coaxial cable	Rosenberger	JFB293C	39142	June 1, 2024	1 year
Horn Antenna	Rohde & Schwarz	HF907	32296	May 6, 2024	2 years
Signal path	Rohde & Schwarz	EMI	39150	December 11 2024	1 year
Rotary join	Spinner	BN835027	31807	August 26, 2024	1 year
Preamplifier Signal path	Rohde & Schwarz	TS-PRE1 EMI	32297	July 4, 2024	1 year
Coaxial cable	MEGAPHASE	GC12-K1K1-315	39128	July 2,2024	1 year
Coaxial cable	Huber+suhner	Sucoflex 104 PE	39086	September 4, 2024	1 year

7. EUT SOFTWARE

Software radio: CXP2021113/1_R24A461

8. EUT HARDWARE LIST

Product	Product No,	R-State	Serial Number
Radio 4471HP B66	KRC 161 4476/3	R1B	E23G305405
SFP module Ericsson	RDH 102 75/3	R1A	CU824L0NXL
SFP module Ericsson	RDH 102 75/3	R1A	CU824L0P12

9. EUT AND TEST SETUP PHOTOS

EUT and test setup photos are in separate document 2500959STO-102 Annex 1.

End of Report