

427 West 12800 South Draper, UT 84020

Test Report Certification

FCC ID	SWX-UDR7
ISED ID	6545A-UDR7
Equipment Under Test	UDR7
Test Report Serial Number	TR9436_01
Date of Test(s)	9-10, 13, 23-24 September and 22 October 2024
Report Issue Date	23 October 2024

Test Specification	Applicant
47 CFR FCC Part 15, Subpart E	Ubiquiti Inc.
	685 Third Avenue
	New York, NY 10017
	U.S.A.

pupp. R **ilac** TESTING

NVLAP LAB CODE 600241-0



Certification of Engineering Report

This report has been prepared by Unified Compliance Laboratory (UCL) to document compliance of the device described below with the requirement of Federal Communication Commissions (FCC) Part 15, Subpart E. This report may be reproduced in full. Partial reproduction of this report may only be made with the written consent of the laboratory. The results in this report apply only to the sample tested.

Applicant	Ubiquiti Inc.
Manufacturer	Ubiquiti Inc.
Brand Name	UBIQUITI
Model Number	UDR7
FCC ID	SWX-UDR7
ISED ID	6545A-UDR7

On this 23rd day of October 2024, I individually and for Unified Compliance Laboratory certify that the statements made in this engineering report are true, complete and correct to the best of my knowledge and are made in good faith.

Although NVLAP has accredited the Unified Compliance Laboratory testing facilities, this report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. federal government.

Unified Compliance Laboratory

Written By: Joseph W. Jackson

Reviewed By: Richard L. Winter

TR9436_UDR7_FCC_15.407_UNII-3_01



Revision History			
Revision Description Date			
01	Original Report Release	23 October 2024	



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1 Client Information

1.1 Applicant

Company	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.
Contact Name	Alex Macon
Title	Compliance

1.2 Manufacturer

Company	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.
Contact Name	Alex Macon
Title	Compliance

2 Equipment Under Test (EUT)

2.1 Identification of EUT

Brand Name	UBIQUITI
Model Number	UDR7
Serial Number	168
Dimensions (cm)	11.0 x 11.0 x 18.4

2.2 Description of EUT

The UDR7 is a UniFi Desk Gateway with integrated WiFi 7 and PoE switching. The UDR7 has one 10 GbE SFP port and 4 RJ45 PoE ports. The UDR7 transmits in the 2.4 GHz, 5 GHz and 6 GHz frequency bands using internal integral antennas. The UDR7 has a Bluetooth transmitter for system management. The UDR7 is powered from 110 - 240 Volts AC Mains.

Band	WiFi Mode	Modulation Bandwidth	Modulation Type	Frequency (MHz)
	а	20 MHz	OFDM	5745, 5775, 5825
	ax	20 MHz	HE	5745, 5775, 5825
UNII-3	ax	40 MHz	HE	5755, 5775, 5795
	ax	80 MHz	HE	5775

The table below show the channels used within the different modulation bandwidths.

This report covers the circuitry of the device subject to FCC Part 15, Subpart E. The circuitry of the device subject to FCC Part 15 Subpart B was found to be compliant and is covered under a separate Unified Compliance Laboratory test report.

2.3 EUT and Support Equipment

The EUT and support equipment used during the test are listed below.

Brand Name Model Number Serial Number	Description	Name of Interface Ports / Interface Cables
BN: UBIQUITI MN: UDR7 SN: 168	Desktop Gateway	See Section 2.4
BN: Dell MN: XPS SN: N/A	Laptop Computer	Ethernet/un-shielded Cat 5

Notes: (1) EUT

(2) Interface port connected to EUT (See Section 2.4)

The support equipment listed above was not modified in order to achieve compliance with this standard.

2.4 Interface Ports on EUT

Name of Ports	No. of Ports Fitted to EUT	Cable Description/Length
AC Mains	1	2 conductor power cable to AC mains/200 cm
10 GbE SFP WAN	1	Shielded cat 5E/7m
PoE Input	4	Unshielded Cat 5E/7m

2.5 Operating Environment

Power Supply	120 Volts AC Mains
AC Mains Frequency	60 Hz
Temperature	23.7 – 24.6 °C
Humidity	26.0 – 32.8 %
Barometric Pressure	1016 mBar

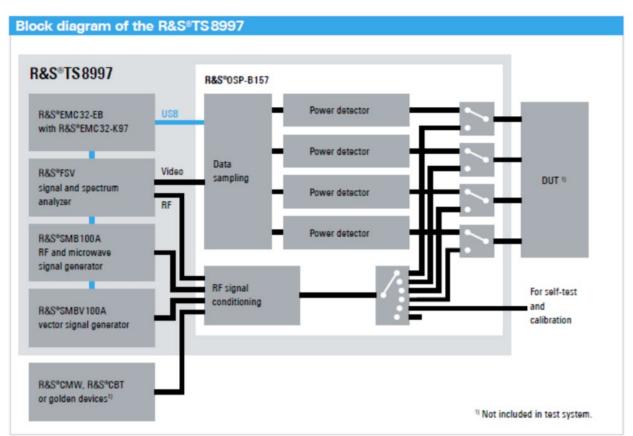
2.6 Operating Modes

The UDR7 was tested using test software in order to enable a constant transmission. The measurements within this report are corrected to reference a 100% duty cycle. All emission modes of 802.11 a/ax were investigated. All measurements are reported with the worst-case mode (802.11ax) unless otherwise stated.

2.7 EUT Exercise Software

EUT firmware version 1.0 was used to operate the transmitter using a constant transmit mode.





2.8 Block Diagram of Test Configuration

Diagram 1: Test Configuration Block Diagram

2.9 Modification Incorporated/Special Accessories on EUT

There were no modifications made to the EUT during testing to comply with the specification.

2.10 Deviation, Opinions Additional Information or Interpretations from Test Standard

There were no deviations, opinions, additional information or interpretations from the test specification.

3 Test Specification, Method and Procedures

3.1 Test Specification

Title	47 CFR FCC Part 15, Subpart E, Section 15.407 Limits and methods of measurement of radio interference characteristics of Unlicensed National Information Infrastructure Devices
Purpose of Test	The tests were performed to demonstrate initial compliance

3.2 Methods & Procedures

3.2.1 47 CFR FCC Part 15 Section 15.407

See test standard for details.

3.3 FCC Part 15, Subpart E

3.3.1 Summary of Tests

FCC Section	ISED Section	Environmental Phenomena	Frequency Range (MHZ)	Result				
15.407(a)	N/A	Antenna requirements	Structural Requirement	Compliant				
15.407(b)	RSS-Gen	Conducted Disturbance at Mains Port	0.15 to 30	Compliant				
15.407(c)	RSS-247 §6.2.2, §6.2.3	Bandwidth Requirement	5725 to 5850	Compliant				
15.407(e)	RSS-247 §6.2.2, §6.2.3	Peak Output Power	5725 to 5850	Compliant				
15.407(f)	RSS-247 §6.2.2, §6.2.3	Antenna Conducted Spurious Emissions	0.009 to 40000	N/A				
15.407(g)	RSS-247 §6.2.2, §6.2.3	Radiated Spurious Emissions	0.009 to 40000	Compliant				
15.407(h)	RSS-247 §6.2.2, §6.2.3	Peak Power Spectral Density	5725 to 5850	Compliant				
	The testing was performed according to the procedures in ANSI C63.10-2013, KDB 789033 and 47 CFR Part 15. Where applicable, KDB 662911 was followed to sum required measurements.							

3.4 Results

In the configuration tested, the EUT complied with the requirements of the specification.



3.5 Test Location

Testing was performed at the Unified Compliance Laboratory 3-Meter and 10-Meter chambers located at 427 West 12800 South, Draper, UT 84020. Unified Compliance Laboratory is accredited by National Voluntary Laboratory Accreditation Program (NVLAP); NVLAP Code 600241-0 which is effective until 30 June 2025. This site has also been registered with Innovations, Science and Economic Development (ISED) department as was accepted under Appendix B, Phase 1 procedures of the APEC Tel MRA for Canadian recognition. ISED No.: 25346, effective until 30 June 2025.

Unified Compliance Laboratory has been assigned Designation Number US5037 by the FCC and Conformity Assessment Number US0223 by ISED.



4 Test Equipment

4.1	Conducted	Emissions	at Mains	Ports
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Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
EMI Receiver	AFJ	FFT3010	UCL-6754	1/23/2024	2/26/2025
LISN	AFJ	LS16C/10	UCL-2512	7/08/2024	7/08/2025
ISN	Teseq	ISN T800	UCL-2974	7/09/2024	7/09/2025
LISN	AFJ	LS16C\10	UCL-6749	1/29/2024	1/29/2025
AC Power Source	Laplace Instruments	AC1000A	UCL-2857	N/A	N/A
Test Software	UCL	Revision 1	UCL-3107	N/A	N/A

 Table 1: List of equipment used for Conducted Emissions Testing at Mains Port

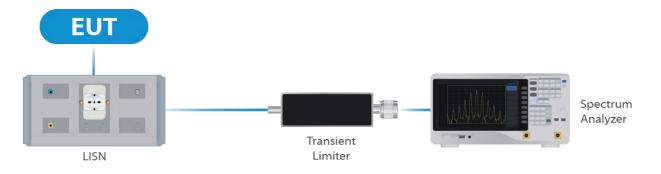


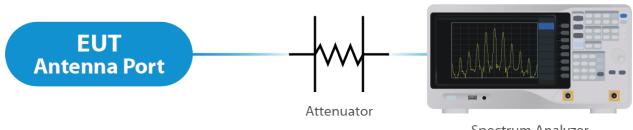
Figure	1:	Conducted	Emissions	Test
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4.2 Direct Connect at the Antenna Port Tests

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
Spectrum Analyzer	R&S	FSV40	UCL-2861	11/27/2023	11/27/2024
Signal Generator	R&S	SMB100A	UCL-2864	N/A	N/A
Vector Signal Generator	R&S	SMBV100A	UCL-2873	N/A	N/A
Switch Extension	R&S	OSP- B157WX	UCL-2867	4/12/2024	4/19/2025
Switch Extension	R&S	OSP-150W	UCL-2870	4/12/2024	4/19/2025

Table 2: List of equipment used for Direct Connect at the Antenna Port





Spectrum Analyzer

Figure 2: Direct Connect at the Antenna Port Test



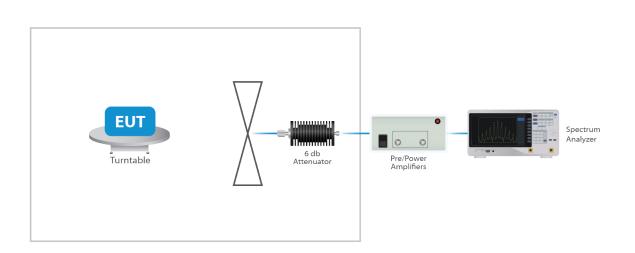
Figure	3:	Output	Power	Measurement
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4.3 Radiated Emissions

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
EMI Receiver	Keysight	N9038A	UCL-2778	1/25/2024	1/29/2025
Pre-Amplifier 9 kHz – 1 GHz	Sonoma Instruments	310N	UCL-2889	1/19/2024	1/19/2026
Broadband Antenna	Scwarzbeck	VULB 9163	UCL-3062	2/22/2023	2/22/2025
Broadband Antenna	Scwarzbeck	VULB 9163	UCL-3071	1/11/2023	1/11/2025
Double Ridge Horn Antenna	Scwarzbeck	BBHA 9120D	UCL-3065	3/10/2023	3/10/2025
Log Periodic	Scwarzbeck	STLP 9129	UCL-3068	1/27/2023	1/27/2025
15 - 40 GHz Horn Antenna	Scwarzbeck	BBHA 9170	UCL-2487	3/10/2023	3/10/2025
1 – 18 GHz Amplifier	Com-Power	PAM 118A	UCL-3833	1/19/2024	1/19/2026
Test Software	UCL	Revision 1	UCL-3108	N/A	N/A

Table 3: List of equipment used for Radiated Emissions







4.4 Equipment Calibration

All applicable equipment is calibrated using either an independent calibration laboratory or Unified Compliance Laboratory personnel at intervals defined in ANSI C63.4:2014 following outlined calibration procedures. All measurement instrumentation is traceable to the National Institute of Standards and Technology (NIST). Supporting documentation relative to traceability is on file and is available for examination upon request.

4.5 Measurement Uncertainty

Test	Uncertainty (<u>+</u> dB)	Confidence (%)
Conducted Emissions	1.44	95
Radiated Emissions (9 kHz to 30 MHz)	2.50	95
Radiated Emissions (30 MHz to 1 GHz)	4.38	95
Radiated Emissions (1 GHz to 18 GHz)	4.37	95
Radiated Emissions (18 GHz to 40 GHz)	3.93	95
Direct Connect Tests	K Factor	Value
Emissions Bandwidth	2	2.0%
Output Power	2	1.0 dB
Peak Power Spectral Density	2	1.3 dB
Band Edge	2	0.8 dB
Transmitter Spurious Emissions	2	1.8 dB



5 Test Results

5.1 §15.203 Antenna Requirements

The EUT uses an internal integrated antenna. Per the manufacturer, the Maximum gain of the antenna per chain is 7 dBi. This is an 802.11 device and utilizes CDD as described in KDB 662911 D01. The antenna is not user replaceable. For CDD transmissions, directional gain is calculated as follows.

Array Gain = 10 log(NANT/NSS) dB NANT = number of transmit antennas and NSS = number of spatial streams. NSS = 1 considered worst case.

For power measurements on IEEE 802.11 devices, Array Gain = 0 dB for NANT \leq 4; For PSD measurements when Nss=1: Array Gain = 10 log(NANT/NSS) dB + Antenna Gain (dBi). Or 3.01 dB + 7 dBi = 10.01 dBi.

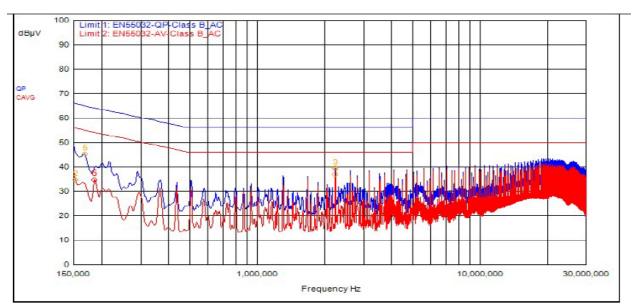
Results

The EUT complied with the specification



5.2 Conducted Emissions at Mains Ports Data

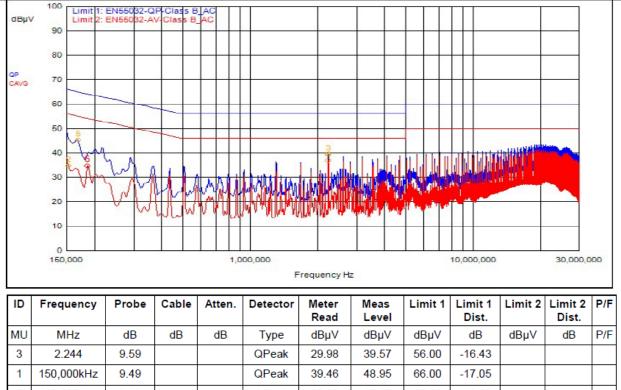
5.2.1 Line



ID	Frequency	Probe	Cable	Atten.	Detector	Meter Read	Meas Level	Limit 1	Limit 1 Dist.	Limit 2	Limit 2 Dist.	P/F
MU	MHz	dB	dB	dB	Туре	dBµV	dBµV	dBµV	dB	dBµV	dB	P/F
3	2.244	9.59			QPeak	29.98	39.57	56.00	-16.43			
1	150,000kHz	9.49			QPeak	39.46	48.95	66.00	-17.05			
5	168,000kHz	9.49			QPeak	35.88	45.37	65.06	-19.69			
2	153,000kHz	9.49			C_AVG	25.35	34.84			55.84	-21.00	
4	2.244	9.59			C_AVG	27.35	36.94			46.00	-9.06	
6	186,000kHz	9.49			C_AVG	25.10	34.59			54.21	-19.63	



5.2.2 Neutral



5 168,000kHz 9.49 QPeak 35.88 45.37 65.06 -19.69 2 153,000kHz 9.49 C_AVG 25.35 34.84 55.84 -21.00 2.244 4 9.59 C AVG 27.35 36.94 46.00 -9.06 6 186,000kHz 9.49 C_AVG 25.10 34.59 54.21 -19.63

Result

The EUT complied with the specification limit.

5.3 §15.403(i) 26 dB Emissions Bandwidth

All chains were measured under the guidance of KDB 789033 Section II.C. and KDB 662911 D01. Please see associated annex for details on instrument settings.

Nominal BW (MHz)	Frequency (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)
OFDM 20	5745	32.5	49.1
OFDM 20	5775	31.5	43.6
OFDM 20	5825	33.8	54.5
HE 20	5745	28.1	50.1
HE 20	5775	32.5	50.0
HE 20	5825	34.1	58.1
HE 40	5755	42.8	88.7
HE 40	5775	52.3	93.0
HE 40	5795	49.9	89.0
HE 80	5775	78.0	86.0

Result

All chains were tested and the highest bandwidth per chain is reported above.

The 26 dB bandwidths are reported for information purposes. Please see Annex for all bandwidth measurements.

5.4 §15.407(a)(3) Maximum Average Output Power

All chains were measured and summed under the guidance of KDB 789033 Section II. E.2. and KDB 662911 D01. Please see associated annex for details on instrument settings.

The maximum average RF conducted output power measured for this device was 27.20 dBm or 524.81 mW. The limit is 30 dBm, or 1 Watt when using antennas with 6 dBi or less gain. The antenna has a gain of 7 dBi. The adjusted limit is 29 dBm.

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power *	Measured EIRP	Measured PSD
OFDM 20	5745	Mcs0_Nss2	27	27.05	34.05	11.92
OFDM 20	5775	Mcs0_Nss2	27	27.20	34.20	11.84
OFDM 20	5825	Mcs0_Nss2	28	25.75	32.75	10.18
HE 20	5745	Mcs0_Nss2	27	27.10	34.10	10.39
HE 20	5775	Mcs0_Nss2	27	27.16	34.16	11.19
HE 20	5825	Mcs0_Nss2	28	25.74	32.74	9.47
HE 40	5755	Mcs0_Nss2	24	25.09	32.09	6.19
HE 40	5775	Mcs0_Nss2	25	26.09	33.09	7.32
HE 40	5795	Mcs0_Nss2	25	25.52	32.52	7.33
HE 80	5775	Mcs0_Nss2	21	21.85	28.85	0.31

Result

In the configuration tested, the maximum summed average RF output power was less than 1 watt; therefore, the EUT compiled with the requirements of the specification (see spectrum analyzer plots in attached Annex).

* Gated EIRP shown in the Annex is the conducted measurement



5.5 §15.407(b)(7) Spurious Emissions

5.5.1 Conducted Spurious Emissions

The frequency ranges from the lowest frequency generated or used in the device to the tenth harmonic of the highest fundamental frequency was investigated to measure any antenna-conducted emissions. The graphs show the measurement data from spurious emissions noted across the frequency range when transmitting at the lowest frequency, middle frequency and upper frequency. Shown within the annex below are plots with the EUT turned to the upper and lower channels with the antenna gain of 7 dBi accounted for. These demonstrate compliance with the provisions of this section at the band edges.

All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Result

Conducted spurious emissions were attenuated below the limit; therefore, the EUT complies with the specification.

5.5.2 Radiated Spurious Emissions in the Restricted Bands of § 15.205

The EUT uses various power settings based on the channel in use. In order to reduce test time, the radiated spurious emissions at the lowest, middle, and highest channel were measured at the maximum power of TP30.

Correction Factor = Antenna Factor + Cable Loss - Pre-Amplifier Gain, and is added to the Receiver reading.

Result

All emissions in the restricted bands of § 15.205 met the limits specified in § 15.209; therefore, the EUT complies with the specification. See Annex for Conducted Band edge plots.



QuasiPeak

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin	Azimuth (°)	Height	Pol.	Correction (dB)
31.28 MHz	36.62	40	-3.38	1	1.13	Vertical	-11.05
44.62 MHz	38.42	40	-1.58	287	1.13	Vertical	-8.07
50.72 MHz	38.38	40	-1.62	7	1.13	Vertical	-8.03
53.55 MHz	35.94	40	-4.06	62	1.13	Vertical	-8.20
96.10 MHz	32.28	40	-7.72	81	1.13	Vertical	-9.60
152.35 MHz	24.69	40	-15.31	360	1.13	Vertical	-12.72
187.05 MHz	23.28	40	-16.73	359	1.13	Vertical	-10.38
338.56 MHz	34.45	47	-12.55	132	1.13	Horizontal	-5.67

Table 4: Radiated Emissions 30 – 1000 MHz

Peak

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
11.38 GHz	54.26	74	-19.74	161	1.5	Vertical	9.96
14.77 GHz	58.25	74	-15.75	61	1.714	Vertical	13.98
16.98 GHz	57.30	74	-16.70	334	1.714	Vertical	14.53
10.99 GHz	54.64	74	-19.36	276	1.5	Horizontal	10.97
13.77 GHz	56.13	74	-17.87	92	2.866	Horizontal	12.93
16.96 GHz	56.77	74	-17.33	54	1.5	Horizontal	14.32

Avg

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
11.38 GHz	40.97	54	-13.03	161	1.5	Vertical	9.96
14.77 GHz	45.03	54	-8.97	61	1.714	Vertical	13.98
16.98 GHz	44.33	54	-9.67	334	1.714	Vertical	14.53
10.99 GHz	41.64	54	-12.36	276	1.5	Horizontal	10.97
13.77 GHz	43.06	54	-10.94	92	2.866	Horizontal	12.93
16.96 GHz	43.68	54	-10.32	54	1.5	Horizontal	14.32

Table 5: Radiated Emissions 1 – 17 GHz at the Lowest Frequency



Peak

I Cak							
Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.85 GHz	53.50	74	-20.50	70	2.041	Vertical	10.20
13.98 GHz	57.83	74	-16.17	330	1.714	Vertical	13.33
16.98 GHz	56.53	74	-17.47	146	2.87	Vertical	14.47
10.93 GHz	55.21	74	-19.79	178	2.037	Horizontal	11.62
13.85 GHz	57.07	74	-16.93	113	2.292	Horizontal	13.35
14.45 GHz	57.41	74	-16.59	217	2.287	Horizontal	13.60

Avg

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.85 GHz	40.54	54	-13.46	70	2.041	Vertical	10.20
13.98 GHz	44.40	54	-9.60	330	1.714	Vertical	13.33
16.98 GHz	43.60	54	-10.40	146	2.87	Vertical	14.47
10.93 GHz	42.00	54	-12.00	178	2.037	Horizontal	11.62
13.85 GHz	44.25	54	-9.75	113	2.292	Horizontal	13.35
14.45 GHz	44.32	54	-9.68	217	2.287	Horizontal	13.60

Table 6: Radiated Emissions 1 - 17 GHz at the Middle Frequency



Peak

I Cak							
Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.93 GHz	55.04	74	-18.96	236	1.5	Vertical	11.67
15.06 GHz	57.50	74	-16.50	30	1.714	Vertical	13.31
16.75 GHz	56.16	74	-17.84	276	1.714	Vertical	13.62
10.93 GHz	54.97	74	-19.03	319	1.5	Horizontal	11.66
12.39 GHz	54.56	74	-19.44	320	1.713	Horizontal	10.99
14.91 GHz	57.15	74	-16.85	44	1.714	Horizontal	13.69

Avg

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.93 GHz	41.96	54	-12.04	236	1.5	Vertical	11.67
15.06 GHz	44.09	54	-9.91	30	1.714	Vertical	13.31
16.75 GHz	43.33	54	-10.67	276	1.714	Vertical	13.62
10.93 GHz	41.99	54	-12.01	319	1.5	Horizontal	11.66
12.39 GHz	41.28	54	-12.72	320	1.713	Horizontal	10.99
14.91 GHz	44.18	54	-9.82	44	1.714	Horizontal	13.69

Table 7: Radiated Emissions 1 – 17 GHz at the Highest Frequency



Peak

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
23.30 GHz	55.77	74	-18.23	99	Vertical	1.68
27.67 GHz	53.73	74	-20.27	234	Vertical	3.41
34.93 GHz	57.46	74	-16.54	160	Vertical	6.28
23.30 GHz	60.33	74	-13.67	256	Horizontal	1.68
27.60 GHz	54.04	74	-19.96	120	Horizontal	3.38
35.10 GHz	56.94	74	17.06	273	Horizontal	5.86

Avg

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
23.30 GHz	48.28	54	-5.72	99	Vertical	1.68
27.67 GHz	40.70	54	-13.30	234	Vertical	3.41
34.93 GHz	44.02	54	-9.98	160	Vertical	6.28
23.30 GHz	46.46	54	-7.54	256	Horizontal	1.68
27.60 GHz	40.54	54	-13.46	120	Horizontal	3.38
35.10 GHz	43.45	54	-10.55	273	Horizontal	5.86

Table 8: Radiated Emissions 17 – 40 GHz at the Highest Frequency (worse case)

5.6 §15.407(a) Maximum Power Spectral Density

All chains were measured and summed under the guidance of KDB 789033 Section II. F. and KDB 662911 D01. Please see associated annex for details on instrument settings.

The maximum average power spectral density conducted from the intentional radiator of the antenna shall not be greater than 30 dBm in any 500 kHz band during any time interval of continuous transmission. Results of this testing are summarized.

As per KDB 662911, When the EUT is using spatial-multiplexing in HE modes, there is not additional array gain to accommodate. When the EUT uses Nss=1 data rates, the antenna gain is 7 dBi + Array gain of 3.01 dB which is a total of 10.01 dBi

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power	Measured EIRP	Measured PSD
OFDM 20	5745	Mcs0_Nss2	27	27.05	34.05	11.92
OFDM 20	5775	Mcs0_Nss2	27	27.20	34.20	11.84
OFDM 20	5825	Mcs0_Nss2	28	25.75	32.75	10.18
HE 20	5745	Mcs0_Nss2	27	27.10	34.10	10.39
HE 20	5775	Mcs0_Nss2	27	27.16	34.16	11.19
HE 20	5825	Mcs0_Nss2	28	25.74	32.74	9.47
HE 40	5755	Mcs0_Nss2	24	25.09	32.09	6.19
HE 40	5775	Mcs0_Nss2	25	26.09	33.09	7.32
HE 40	5795	Mcs0_Nss2	25	25.52	32.52	7.33
HE 80	5775	Mcs0_Nss2	21	21.85	28.85	0.31

Result

The maximum summed average power spectral density was less than the limit of 30 dBm; therefore, the EUT complies with the specification.



-- End of Test Report --