

Prüfbericht-Nr.: Test report no.:	IN24MKOD 001	Auftrags-Nr.: Order no.:	146919891 010	Seite 1 von 170 Page 1 of 170
Kunden-Referenz-Nr.: Client reference no.:	2390953	Auftragsdatum: Order date:	2024-05-24	
Auftraggeber: Client:	Proxim Wireless Corporation 2114 Ringwood Avenue, San Jose, California 95131			
Prüfgegenstand: Test item:	EdgeAX 5GHz Radio Module	Serien-Nr.: serial no.:	Engineering Sample	
Bezeichnung: Identification.:	Edge AX5			
Auftrags-Inhalt: Order content:	Testing and issue of Test report with Grant Certificate			
Prüfgrundlage: Test specification:	FCC Part 15 Subpart C 15.247,15.207, 15.205 & 15.209, Subpart E 15.407 RSS 247 Issue 3 & RSS Gen Issue 5			
Wareneingangsdatum: Date of sample receipt:	2024-07-02			
Prüfmuster-Nr Test sample no	A003759215-012 A003759215-005			
Prüfzeitraum: Testing period:	2024-08-05 - 2024-10-20			
Ort der Prüfung: Place of testing:	Wireless laboratory, Bangalore			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (India) Pvt.Ltd., 27/B, 2nd Cross, Electronic City Phase1 Bangalore -560 100, India FCC Test site registration number: 496599 ISED Test site registration number: 27711			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:	genehmigt von: authorized by:			
Datum: Date: 2025-01-09	Ausstellatum: Issue date: 2025-01-09			
Stellung / Position:	M.V.Naveen Kumar Senior Engineer	Stellung / Position:	Madhu K.N Assistant Manager	
Sonstiges / Other:	FCC ID: HZB-MEGA5 IC: 1856A-MEGA5 HVIN: Megabit 5 dual			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend
	5 = mangelhaft			
	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
* Legend:	1 = very good	2 = good	3 = satisfactory	4 = sufficient
	5 = poor			
	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

Prüfbericht - Nr.:

IN24MKOD 001

Seite 2 von 170

Test Report No.:

Page 2 of 170

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
2	Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. <i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged.</i>
3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. <i>The decision rule for statements of conformity in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report.</i>

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 3 von 170
Page 3 of 170

TEST SUMMARY

Test Item	Applicable Standard		Result
	FCC 47 CFR 15	ISED	
Emission Bandwidth	15.407 (a) & (e)	RSS Gen Issue 5 Section 6.7 RSS 247 Issue 3 Section 6.2.1.1; 6.2.4.1	Pass
Frequency Stability	15.407 (g)	RSS Gen Issue 5 Section 8.11	Pass
Maximum conducted output power	15.247 (b) & 15.407 (a)	RSS 247 Issue 3 Section 6.2.1; 6.2.4	Pass
Maximum Power spectral density	15.407 (a)	RSS 247 Issue 3 Section 6.2.2; 6.2.4	Pass
Dynamic Frequency Selection	15.407 (h)	RSS 247 Issue 3 Section 6.3	*N/A
Spurious Radiated Emissions & Restricted Bands of Operation	15.407 (b) / (15.205 &15.209)	RSS 247 Issue 3 Section 6.2.1; 6.2.4 RSS Gen Issue 5 Section 8.9 & 8.10	Pass
AC Power Lines Conducted Emission	15.207	RSS Gen Issue 5 Section 8.8	Pass
Antenna Requirement	15.203	-	Pass

*N/A→ Not Applicable

*Note: The Radio Module tested in Host condition and host names mentioned below.

Host Name for Edge AX5 5GHz Radio Module is Stratum™ X3 and Stratum™ X1.

Radio Modules to be hosted in following devices.

SX3-1020A-US & SX3-1021A-US & SX1-1023C-US

SX3-1020A-WD & SX3-1021A-WD & SX1-1023C-WD

Product Category: Electronics Testing
Test Discipline : EMC Test Facility

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 4 von 170
Page 4 of 170

REVISION HISTORY OF THIS REPORT

Report Number	Version	Description	Issue date
IN24MKOD 001	01	Initial issue of report	2025-01-09

Table of Contents

1	GENERAL REMARKS	6
1.1	Attachments	6
2	TEST SITES	7
2.1	Testing Facilities.....	7
2.2	List of Test and Measurement Instruments.....	7
3	GENERAL PRODUCT INFORMATION.....	9
3.1	Product Function and Intended Use.....	9
3.2	Ratings and System Details of Equipment under Test	9
3.3	Measurement Uncertainty:	10
4	TEST SET-UP AND OPERATION MODE.....	11
4.1	Principle of Configuration Selection	11
4.2	UUT Exercise Software	11
4.3	Special Accessories and Auxiliary Equipment	11
4.4	Test Modes_ data rates & Modulation	11
4.5	Simultaneous Transmission	11
4.6	Countermeasures to achieve EMC Compliance	11
4.7	List of frequencies	12
5	OPERATIONAL DESCRIPTION.....	13
6	TEST METHODOLOGY	14
6.1	AC Power line Conducted Emission	14
6.1.1	Test Setup Configuration	14
6.2	Radiated Emission Test	15
6.2.1	Test Setup Configuration	15
7	TEST RESULTS	17
7.1	Emission Bandwidth.....	17
7.2	Maximum Conducted Output Power	21
7.3	Maximum Power Spectral Density	36
7.4	Spurious Radiated Emissions & Restricted Bands of Operation	57
7.5	FREQUENCY STABILITY.....	157
7.6	AC POWER LINES CONDUCTED EMISSION	161
8	LIST OF TABLES.....	164
9	POWER LEVEL USED FOR TESTING	165

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 6 von 170

Page 6 of 170

1 GENERAL REMARKS

1.1 Attachments

All attachments are part of this test report and are issued in separate document

1: TEST SETUP PHOTOS

2: EUT EXTERNAL PHOTOS

3: EUT INTERNAL PHOTOS

4: FCC LABEL AND LABEL LOCATION

5: BLOCK DIAGRAM

6: SPECIFICATION OF EUT

7: SCHEMATIC DIAGRAM

8: BILL OF MATERIAL

9: USER MANUAL

10: MAXIMUM PERMISSIBLE EXPOSURE INFORMATION

11: TEST PLOTS

2 TEST SITES

2.1 Testing Facilities

- | | |
|--|--|
| <p>1. TÜV Rheinland (India) Pvt.Ltd.,
27/B, 2nd Cross,
ElectronicCityPhase1
Bangalore – 560 100,
India
Radiated Measurement site type :
Fully anechoic chamber (used for above 1 GHz
measurements)</p> | <p>2. TUV Rheinland (India) Pvt.Ltd.,
108 , Beside ISBR Business School,
Electronic city Phase I
Bangalore - 560 100.
India
Radiated Measurement site type :
Semi anechoic chamber (used for below 1 GHz
measurements)</p> |
|--|--|

2.2 List of Test and Measurement Instruments

Table 1: List of test and measurement instruments

Equipment	Manufacturer	Model Name	Serial Number	Firmware Versions	Calibration Due Date	Periodicity	Test Facility
EMI Receiver	Rohde & Schwarz	ESW 44	101732	4.73 SP5	17.09.2025	Yearly	Radiated Spurious Emission
Active loop antenna	Frankonia	LAX-10	LAX-10-800	-	23-03-2025	Yearly	
Balun & Biconical Antenna	Schwarzbeck mess-elektronik	VHBB-9124 / BBA-9106	01028	-	08.02.2025	Yearly	
Log-Periodic Antenna	Schwarzbeck mess-elektronik	VUSLP-9111B	9111B-111	-	08.02.2025	Yearly	
Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-01944	-	12.11.2025	Yearly	
Broadband Horn Antenna	Schwarzbeck mess-elektronik	BBHA 9120D	2117	-	26.01.2025	Yearly	
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA 9170-0904	-	15-01-2025	Yearly	
EMI Test Receiver	Rohde & Schwarz	ESW44	101773	1.72.SP1	26.01.2025	Yearly	
Semi Anechoic Chamber	Frankonia	-	-	-	-	-	
Fully Anechoic Chamber	Albatross	-	-	-	-	-	
Signal Analyzer	Rohde & Schwarz	FSV7	101644	3.40	09.02.2025	Yearly	Conducted Test Parameters
Open Switch & Control Unit	Rohde & Schwarz	OSP120 Incl. B157	OSP120-101323 & B157-100894	1.27.0.0	05.01.2025	Yearly	
Vector Signal Generator	Rohde & Schwarz	SMBV 100A	260789	4.15.125.49	09.02.2025	Yearly	
RF and microwave Signal Generator	Rohde & Schwarz	SMB 100A	108788	3.01.203.32	09.02.2025	Yearly	

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 8 von 170
Page 8 of 170

Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	1201.0002 K50	3.7	29.11.2025	Yearly	
MicroWave Switch System	KITHELEY	S46	1012004	-	NA	-	
Vector Signal Generator	Rohde & Schwarz	SMU200 A	100994	-	02.05.2025	Yearly	
Fading Simulator	Rohde & Schwarz	ABFS	100179	-	27.09.2025	Yearly	
Spectrum Analyzer	Rohde & Schwarz	FSU26	200767	-	27.09.2025	Yearly	
EMI Receiver	Rohde & Schwarz	ESR7	101133	3.48 SP3	16.09.2025	Yearly	Conducted AC Power line Test
Two Line V-Network (LISN)	Rohde & Schwarz	ENV 216	100022	-	15-04-2025	Yearly	
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100811	-	08-07-2025	Yearly	

Table 2: Instrument application Software versions

SL. No.	Test Type	Application software	Version
1	Radiated spurious emission measurement in 10mtr-SAC	BAT EMC	3.20.0.17
2	Radiated spurious emission measurement in FAC	EMC 32	10.60.20
3	Antenna Port conducted measurement: TS8997 system	WMS 32	10.60.20
4	Antenna Port conducted measurement: CTE system	CTE	52.1

3 GENERAL PRODUCT INFORMATION

3.1 Product Function and Intended Use

The EdgeAX 5 GHz radio module is based on 11ax WiFi standard Qualcomm chipset operating in 2x2 MIMO mode. It is designed to be used in Proxim Stratum X3 or Stratum X1 host device.

Both Stratum X3 and X1 are based on Qualcomm processor.

Differences between Stratum X3 and Stratum X1 are based on the Ethernet controller and number of available ethernet ports:

- Stratum X3 provides three 1Gbps ports
- Stratum X1 provides one 1Gbps port

The Stratum™ X3 and X1 are highly efficient radio endpoints that deliver up to one gigabit throughput in both point-to-point and multipoint wide area network configurations. Able to operate in MIMO 2x2, with either integrated or external antenna (software switchable on some variant), the Stratum™ X3 and X1 are ideally suited to backhaul, video surveillance, or multipoint deployments.

Powered by Proxim WOPR® (Wireless Outdoor Router Protocol), managed via web GUI, CLI, Bluetooth- enabled Proxim BlueConnect™ and SNMP for ProximVision® Advanced, these platforms offer advanced Quality of Service, granular service level management, and very secure networking.

3.2 Ratings and System Details of Equipment under Test

Table 3: Ratings and System Details as declared by the Client*

Radio Protocol		WI-FI 5GHz
Operating Frequency Range		UNII-1 _ 5150MHz to 5250MHz UNII-3 _ 5725MHz to 5850MHz
No. of Channels		(Refer Table 5)
Channel Spacing		20 MHz, 40MHz, 80MHz
Modulation		OFDMA: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM,1024-QAM
Power level index setting used		Refer the power levels Clause:
Maximum Measured Average Power (dBm)		19.95dBm@(n-20MHz, Ch-5230MHz)_Omni Antenna
Number of antennas		2(MIMO)
Antenna Model & Gain(dBi)		Please refer Table 4: Antenna Details
Supply Voltage to Product		36-57V DC to EUT(Through POE injector) & 110-230V AC to PoE injector
Environmental Conditions	Storage	-50°C to 70°C
	Operating	-40°C to 60°C
EUT Dimension(L x Wx H)		Radio Module : 35.3 x 62.6 x 7.3 mm Host Device: SX3-1020A: 250 x 220 x 62 mm SX3-1021A: 305 x 305 x 85 mm SX1-1023C: 170 x 217 x 56 mm

***Disclaimer:** The information/data is supplied by the client and the same is considered to arrive at the final value. Any changes made apart from the specified specification, can directly impact on the tests results. Refer the products user manual for more details.

Table 4: Antenna Details

Manufacturer	Antenna Name	Antenna Model	Antenna Gain/used Frequency range
Telimart India	Omni Directional Antenna	TM55D-HVOMNI-12	1 X 12±0.5/ 5.15 to 5.850GHz
Telimart India	Dual Polarization Sector Antenna	TM55D-HVSCTR-21	1 X 21±0.5/ 5.15 to 5.850GHz
Telimart India	Dual Polarization Directional Antenna	MT-466010/NVH	1 X 28±1.0/ 5.15 to 5.850GHz
Telimart India	Dish Antenna 4.9 - 5.9 GHz, Dual Polarized,	TM55L-DPDISH-35	1 x 35±0.5/ 5.15-5.25GHz & 5.15- 5.85GHz
Kingnet	15dBi Plane Antenna For NGP_LCP	XD1C-B180B15D-01A	15dBi 5.15-585GHz
SIGNAL PLUS TECHNOLOGY	Dual Polarization Integrated Panel Antenna	4900-5900MHz Panel Antenna	23dBi

3.3 Measurement Uncertainty:

Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$

Table 5: Measurement Uncertainty

Parameter	Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±1.5 dB
Power Spectral Density, conducted	±3 dB
Unwanted Emissions, conducted	±3 dB
SAC, radiated measurement	±6 dB
FAC, radiated measurement	±6 dB
Temperature	±3 °C
Supply Voltages	±3 %
Time	±5 %

4 TEST SET-UP AND OPERATION MODE

4.1 Principle of Configuration Selection

Transmission was enabled with highest possible duty cycle on low, mid and high channels.

4.2 UUT Exercise Software

Hardware Name & Version : Edge AX MB PCB & 1.0

Software version : 15.05.1

Software Name: Openwrt Chaos Calmer

4.3 Special Accessories and Auxiliary Equipment

Model Name & Model Number	Power Adapter Ratings
Gigabit PoE Injector RP026-5601100YG/Proxim 400-00031	Input: 100-240V~50/60Hz 1.5A Max Output: 56.0VDC 1.1A 61.6W +(3,4,5,6) pins, -(1,2,7,8) pins
Gigabit PoE Injector RP025-5600536YG/Proxim 400-00021	Input: 100-240V~50/60Hz 0.7A Max Output: 56.0VDC 0.536A 30W +(3,4,5,6) pins, -(1,2,7,8) pins

4.4 Test Modes_ data rates & Modulation

- None

4.5 Simultaneous Transmission

- None

4.6 Countermeasures to achieve EMC Compliance

- None

4.7 List of frequencies

Frequency Band	Channel No.	Frequency (MHz)
5150–5250 MHz	36	5180
	38	5190
	40	5200
	42	5210
	44	5220
	46	5230
	48	5240
5725-5850 MHz	149	5745
	151	5755
	155	5775
	157	5785
	159	5795
	165	5825

Table 6: List of Wi-Fi center Frequencies

Channel used for Wi-Fi Testing

Channel Bandwidth (20MHz)	Channel Bandwidth (40MHz)	Channel Bandwidth (80MHz)
5180	5190	5210
5200	5230	5775
5240	5755	-
5745	5795	-
5785	-	-
5825	-	-

Note:

TUV Sample Identification number : A003759215-012 & A003759215-005– Radiated test Sample & Conducted test Sample

5 OPERATIONAL DESCRIPTION

The Edge AX1/AX3 PCBA with 5 GHz radio module is based on Qualcomm QCN6102, 802.11ax WiFi radio chipset operating in 2x2 MIMO mode. It is designed to be used in Proxim Stratum X1 (SX1) / Stratum X3 (SX3) host device. Both Stratum™ X1 and Stratum™ X3 products are based on Qualcomm IPQ5018 Dual Core ARM Cortex 64-bit A53 1.0GHz processor Maple Series. IPQ5018 is an SoC for 11ax Wi-Fi Access Points, Retail Routers and Carrier Gateways. The chip consists of a networking subsystem, and a CPU subsystem.

Differences between Stratum™ X1 and Stratum™ X3 products are based on the Ethernet controller and number of Ethernet ports available as below:

- Stratum X1 uses Qualcomm IPQ5018 built in ethernet controller and provides one 1Gbps port.
- Stratum X3 uses Qualcomm QCA8337N ethernet controller and provides three 1Gbps ports.

The Stratum™ X1 and Stratum™ X3 are highly efficient radio endpoints that deliver up to one gigabit throughput in both point-to-point and multipoint wide area network configurations. Able to operate in MIMO 2x2, with either integrated or external antenna (software switchable on some variant), the Stratum™ X1 and Stratum™ X3 are ideally suited to backhaul, video surveillance, or multipoint deployments.

Powered by Proxim WOPR® (Wireless Outdoor Router Protocol), managed via web GUI, CLI, Bluetooth- enabled Proxim BlueConnect™ and SNMP for ProximVision® Advanced, these platform offer advanced Quality of Service, granular service level management, and very secure networking.

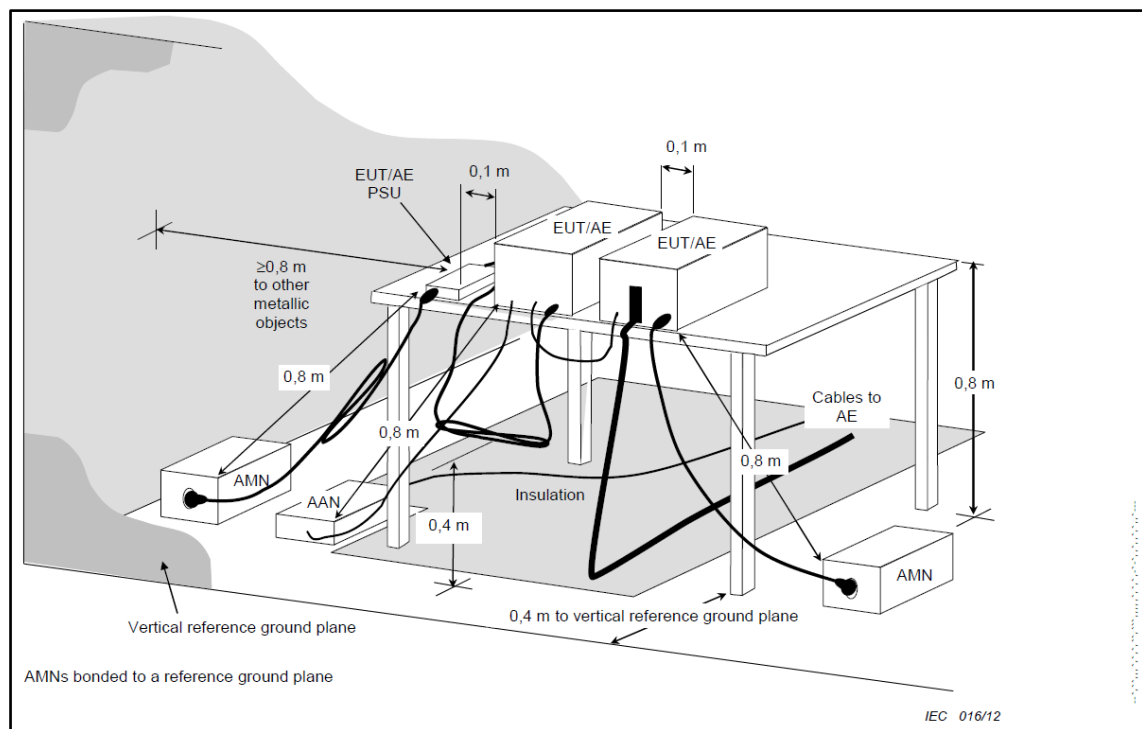
6 TEST METHODOLOGY

6.1 AC Power line Conducted Emission

Measured levels of ac power-line conducted emission across the 50Ω LISN port (to which the EUT is connected). All emission voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord by the use of mating plugs and receptacles on the LISN, if used. Equipment shall be tested with power cords that are normally supplied or recommended by the manufacturer and that have electrical and shielding characteristics that are the same as those cords normally supplied or recommended by the manufacturer.

The device is placed on the test table, raised 80cm above the reference ground plane. The vertical conducting plane is located 40cm to the rear of the device. AC Conducted emission measurement is made over frequency range from 150kHz to 30MHz, this measurement was performed with EUT powered with an AC adaptor with 110V AC 60Hz supply .

6.1.1 Test Setup Configuration



6.2 Radiated Emission Test

The radiated emission measurement was performed according to the procedures in ANSI C63.10-2013. The equipment under test (EUT) was placed at the middle of the 80 cm high turntable for below 1 GHz & 1.5 m height for above 1 GHz measurement, and the EUT is 3 meters far from the measuring antenna. The turntable was rotated 360° for obtaining the maximum emission. The height of the measuring antennas was scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations. Repeat the measurement steps until the maximum emissions were obtained. The measurement above 1000 MHz was performed by horn antenna, The measurement below 30 MHz was performed by loop antenna, Measurement from 30 MHz to 200 MHz was performed by Baloon and Biconical Antenna, and measurement from 200 MHz to 1 GHz was performed by Log-Periodic Antenna.

The EUT was rotated around the X-, Y-, and Z-Axis and the results from worst case axis are recorded

6.2.1 Test Setup Configuration

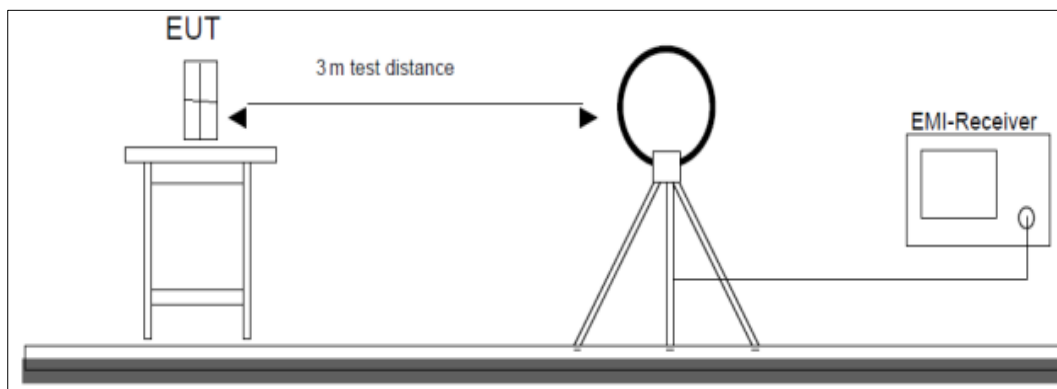


Figure 1: Frequency Range 9 kHz- 30 MHz

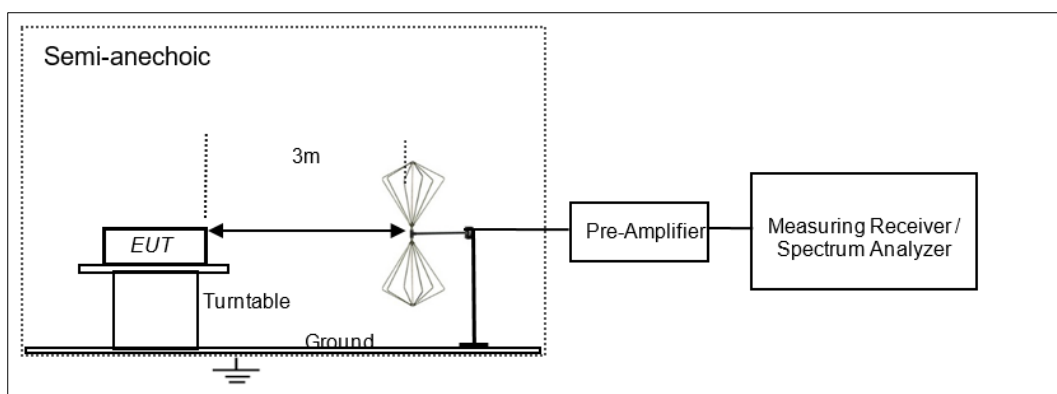


Figure 2: Frequency Range 30 MHz – 200 MHz

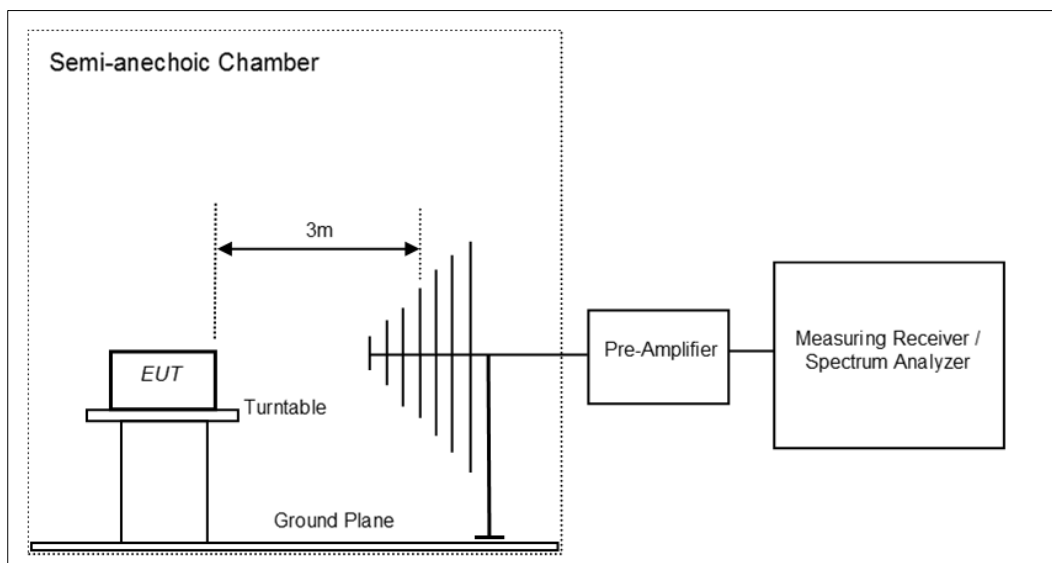


Figure 3: Frequency Range 200 MHz - 1GHz

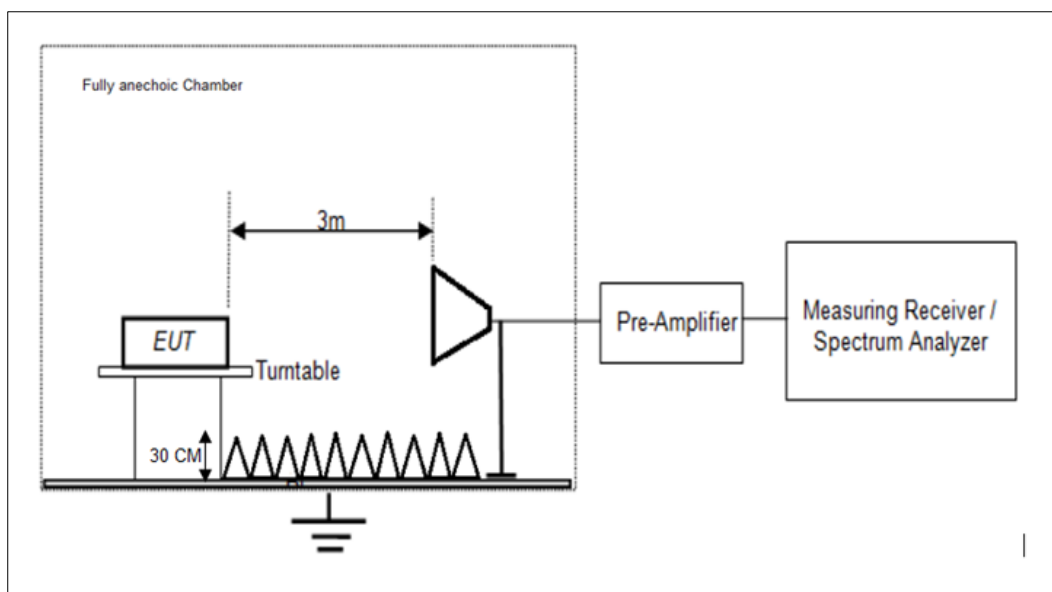


Figure 4: Frequency Range above 1 GHz

7 TEST RESULTS

7.1 Emission Bandwidth Result

Pass

Test Specification	FCC part 15 Subpart C & E, 15.247 (a) (2), 15.407 (a) & (e) RSS Gen Issue 5, section 6.7 & RSS 247 Issue 3, section 6.2.1.1 & 6.2.4.1
Test Method	Subclause 12.4.1 of ANSI C63.10 for emission Bandwidth Subclause 6.93 of ANSI C63.10 for Occupied channel Bandwidth
Measurement Bandwidth	Refer Test Method below
Detector	Refer Test Method below
Port of testing	Antenna port
Requirement	1. 99% emission band width measurement for reporting purpose only in the band 5150-5250 MHz 2. For equipment operating in the band 5725-5850 MHz, the minimum 6 dB bandwidth shall be at least 500 kHz

Test Method



The following procedure shall be used for measuring (99%) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency
2. Set span = 1.5 times to 5.0 times the OBW
3. Set RBW = 1% to 5% of the OBW
4. Set VBW $\geq 3 \times$ RBW
5. Use the 99% power bandwidth function of the instrument
6. Use sample detector with single sweep mode, or use Peak detector and Max Hold mode (until the trace is stabilized)

The following procedure shall be used for measuring 6dB or 26dB emission bandwidth:

1. Set center frequency to the nominal EUT channel center frequency
2. Set span = 1.5 times to 5.0 times the OBW
3. Set RBW = 1% to 5% of the OBW (for 26 dB BW) & 100 kHz (for 6dB BW)
4. Set VBW $\geq 3 \times$ RBW
5. Determine the “-xx dB down amplitude” using [(reference value) - xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument.

Note : All the steps in measurement method of KDB 789033 D02, ANSI C63.10 section 6.9.2 & 6.9.3, are followed

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 18 von 170
Page 18 of 170

Test Condition:

Normal Test Condition:

Temperature (Norm) = + 22.6 °C Voltage = 56VDC through POE Injector Relative humidity: 62 %

KDB Guidelines applied:

Measurements were made as per section C & D in KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Test results

Note:

1. All the losses are included during measurement
2. Testing has been performed in single chain mode condition.
3. Testing is performed with the maximum Power level setting.

Bandwidth: 20MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured 99% Bandwidth (MHz)	Measured 26dB Bandwidth (MHz)	Measured 6dB Bandwidth (MHz)	Min Limit (MHz)
a	6	UNII-1	5180	16.28	18.71	-	0.5
			5200	16.28	18.65	-	0.5
			5240	16.28	18.65	-	0.5
		UNII-3	5745	16.28	-	15.07	0.5
			5785	16.28	-	15.10	0.5
			5825	16.28	-	15.10	0.5
	54	UNII-1	5180	16.54	19.93	-	0.5
			5200	16.54	19.80	-	0.5
			5240	16.54	19.80	-	0.5
		UNII-3	5745	16.54	-	16.48	0.5
			5785	16.54	-	16.44	0.5
			5825	16.54	-	16.44	0.5
n	MCS0	UNII-1	5180	17.44	20.77	-	0.5
			5200	17.44	20.38	-	0.5
			5240	17.44	20.00	-	0.5
		UNII-3	5745	17.44	-	15.01	0.5
			5785	17.44	-	13.86	0.5
			5825	17.44	-	15.04	0.5
	MCS7	UNII-1	5180	17.82	21.54	-	0.5
			5200	17.82	21.67	-	0.5
			5240	17.82	21.15	-	0.5
		UNII-3	5745	17.82	-	17.73	0.5
			5785	17.82	-	17.73	0.5
			5825	17.82	-	17.73	0.5

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 19 von 170

Page 19 of 170

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured 99% Bandwidth (MHz)	Measured 26dB Bandwidth (MHz)	Measured 6dB Bandwidth (MHz)	Min Limit (MHz)
ac	MCS0	UNII-1	5180	17.44	20.38	-	0.5
			5200	17.50	20.51	-	0.5
			5240	17.44	19.87	-	0.5
		UNII-3	5745	17.44	-	15.10	0.5
			5785	17.50	-	15.07	0.5
			5825	17.43	-	15.10	0.5
	MCS8	UNII-1	5180	17.75	21.66	-	0.5
			5200	17.82	21.66	-	0.5
			5240	17.82	21.53	-	0.5
		UNII-3	5745	17.76	-	17.76	0.5
			5785	17.82	-	17.76	0.5
			5825	17.76	-	17.76	0.5
ax	MCS0	UNII-1	5180	18.84	20.89	-	0.5
			5200	18.84	20.89	-	0.5
			5240	18.84	20.89	-	0.5
		UNII-3	5745	18.84	-	15.39	0.5
			5785	18.84	-	13.98	0.5
			5825	18.84	-	15.42	0.5
	MCS9	UNII-1	5180	19.10	22.30	-	0.5
			5200	19.10	22.17	-	0.5
			5240	19.10	22.43	-	0.5
		UNII-3	5745	19.10	-	19.10	0.5
			5785	19.10	-	19.10	0.5
			5825	19.10	-	19.10	0.5

Bandwidth: 40MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured 99% Bandwidth (MHz)	Measured 26dB Bandwidth (MHz)	Measured 6dB Bandwidth (MHz)	Min Limit (MHz)
n	MCS0	UNII-1	5190	35.89	43.33	-	0.5
			5230	35.76	43.46	-	0.5
		UNII-3	5755	35.89	-	35.07	0.5
			5795	35.89	-	35.00	0.5
	MCS7	UNII-1	5190	36.66	43.33	-	0.5
			5230	36.66	43.33	-	0.5
		UNII-3	5755	36.53	-	36.51	0.5
			5795	36.53	-	36.44	0.5
ac	MCS0	UNII-1	5190	35.89	42.69	-	0.5
			5230	35.76	42.82	-	0.5
		UNII-3	5755	35.76	-	35.04	0.5
			5795	35.89	-	33.85	0.5
	MCS9	UNII-1	5190	36.66	39.87	-	0.5
			5230	36.53	40.12	-	0.5
		UNII-3	5755	36.53	-	36.51	0.5
			5795	36.66	-	36.51	0.5

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 20 von 170
Page 20 of 170

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured 99% Bandwidth (MHz)	Measured 26dB Bandwidth (MHz)	Measured 6dB Bandwidth (MHz)	Min Limit (MHz)
ax	MCS0	UNII-1	5190	37.56	40.51	-	0.5
			5230	37.56	40.38	-	0.5
		UNII-3	5755	37.56	-	35.04	0.5
			5795	37.56	-	35.42	0.5
	MCS11	UNII-1	5190	38.07	43.71	-	0.5
			5230	38.07	43.71	-	0.5
		UNII-3	5755	38.07	-	38.20	0.5
			5795	38.07	-	38.17	0.5

Bandwidth: 80MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured 99% Bandwidth (MHz)	Measured 26dB Bandwidth (MHz)	Measured 6dB Bandwidth (MHz)	Min Limit (MHz)
ac	MCS0	UNII-1	5210	75.00	80.76	-	0.5
		UNII-3	5775	75.00	-	72.52	0.5
	MCS9	UNII-1	5210	76.53	88.46	-	0.5
		UNII-3	5775	76.53	-	76.46	0.5
ax	MCS0	UNII-1	5210	76.92	81.53	-	0.5
		UNII-3	5775	76.92	-	71.23	0.5
	MCS9	UNII-1	5210	76.92	81.53	-	0.5
		UNII-3	5775	76.92	-	71.23	0.5

Note: Refer Attached Appendix for test Plots

7.2 Maximum Conducted Output Power

Result

Pass

Test Specification	FCC part 15 Subpart C 15.247(b) & Subpart E 15.407 (a) & RSS-247 Issue 3 Section 6.2.1 & 6.2.4
Test Method	Subclause 12.3.3.2 of ANSI C63.10
Measurement Bandwidth	Refer the remarks below
Detector	Average sample detector mode
Port of testing	Antenna port
Requirement for FCC	Please Refer the Below limits

Limits:

For FCC 15.407(a):

1. For an outdoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi.. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
2. For fixed point-to-point access points operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U–NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.
3. For the band 5.725–5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U–NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 22 von 170
Page 22 of 170

For ISED according to RSS-247 Clause 6.2

For Frequency band:5150MHz to 5250MHz:

LE-LAN devices are restricted to indoor operation only in the band 5150-5250 MHz. However, original equipment manufacturer (OEM) devices, which are installed in vehicles by vehicles manufacturers, are permitted.

Power limits

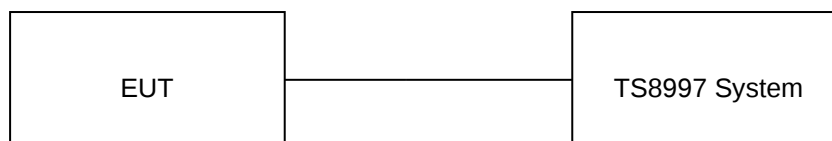
For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

For Frequency band:5725MHz to 5850MHz

The maximum conducted output power shall not exceed 1 W. The output power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint3 systems, omnidirectional applications and multiple collocated transmitters transmitting the same information

Test Method



Test Condition:

Normal Test Condition:

Temperature (Norm) = + 22.6 °C Voltage = 56VDC through POE Injector Relative humidity: 62 %

KDB Guidelines applied:

Measurements were made as per section E 3 sub-section (b) in KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 23 von 170

Page 23 of 170

Test results:

Note:

1. All the losses are included during measurement.
2. Testing has been performed in MIMO mode condition.

Antenna type & Antenna Gain: Omni Antenna & 12dBi

Bandwidth: 20MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
a	6	UNII-1	5180	16.85	24.00	-
			5200	16.96	24.00	-
			5240	16.81	24.00	-
		UNII-3	5745	16.28	24.00	24.00
			5785	17.21	24.00	24.00
			5825	17.86	24.00	24.00
	54	UNII-1	5180	16.99	24.00	-
			5200	17.11	24.00	-
			5240	16.82	24.00	-
		UNII-3	5745	16.43	24.00	24.00
			5785	17.35	24.00	24.00
			5825	18.01	24.00	24.00
n	MCS0	UNII-1	5180	16.37	24.00	-
			5200	16.44	24.00	-
			5240	17.36	24.00	-
		UNII-3	5745	15.73	24.00	24.00
			5785	16.62	24.00	24.00
			5825	17.24	24.00	24.00
	MCS7	UNII-1	5180	16.98	24.00	-
			5200	17.12	24.00	-
			5240	17.97	24.00	-
		UNII-3	5745	16.33	24.00	24.00
			5785	17.23	24.00	24.00
			5825	17.77	24.00	24.00
ac	MCS0	UNII-1	5180	17.38	24.00	-
			5200	17.65	24.00	-
			5240	18.36	24.00	-
		UNII-3	5745	15.72	24.00	24.00
			5785	16.60	24.00	24.00
			5825	17.26	24.00	24.00
	MCS8	UNII-1	5180	17.90	24.00	-
			5200	18.08	24.00	-
			5240	18.91	24.00	-
		UNII-3	5745	16.23	24.00	24.00
			5785	17.12	24.00	24.00
			5825	17.68	24.00	24.00
ax	MCS0	UNII-1	5180	17.55	24.00	-
			5200	17.84	24.00	-
			5240	18.56	24.00	-
		UNII-3	5745	15.98	24.00	24.00
			5785	16.84	24.00	24.00
			5825	17.43	24.00	24.00
	MCS9	UNII-1	5180	18.01	24.00	-
			5200	18.17	24.00	-
			5240	19.05	24.00	-
		UNII-3	5745	16.35	24.00	24.00
			5785	17.22	24.00	24.00
			5825	17.78	24.00	24.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 24 von 170

Page 24 of 170

Bandwidth: 40MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
n	MCS0	UNII-1	5190	19.35	24.00	-
			5230	19.95	24.00	-
		UNII-3	5755	17.39	24.00	24.00
			5795	17.60	24.00	24.00
	MCS7	UNII-1	5190	19.17	24.00	-
			5230	19.76	24.00	-
		UNII-3	5755	17.23	24.00	24.00
			5795	17.45	24.00	24.00
ac	MCS0	UNII-1	5190	19.23	24.00	-
			5230	19.82	24.00	-
		UNII-3	5755	17.27	24.00	24.00
			5795	17.49	24.00	24.00
	MCS9	UNII-1	5190	19.35	24.00	-
			5230	19.94	24.00	-
		UNII-3	5755	17.38	24.00	24.00
			5795	17.61	24.00	24.00
ax	MCS0	UNII-1	5190	19.19	24.00	-
			5230	19.75	24.00	-
		UNII-3	5755	17.27	24.00	24.00
			5795	17.56	24.00	24.00
	MCS11	UNII-1	5190	19.37	24.00	-
			5230	19.95	24.00	-
		UNII-3	5755	17.54	24.00	24.00
			5795	17.78	24.00	24.00

Bandwidth: 80MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
ac	MCS0	UNII-1	5210	19.50	24.00	-
		UNII-3	5775	17.29	24.00	24.00
	MCS9	UNII-1	5210	19.74	24.00	-
		UNII-3	5775	17.60	24.00	24.00
ax	MCS0	UNII-1	5210	19.48	24.00	-
		UNII-3	5775	17.28	24.00	24.00
	MCS9	UNII-1	5210	19.79	24.00	-
		UNII-3	5775	17.62	24.00	24.00

Note:

1. This is an Outdoor AP, and this band from 5150MHz to 5250MHz Only for FCC use
2. The duty cycle correction factor is added into the test data
3. The antenna Gain is 12dBi, the device employed Cyclic Delay diversity (CDD) for MIMO 802.11 transmitters per KDB 662911D01 Multiple transmitter output v02r01, for Power measurement on 802.11 devices
Array gain = 0dB (i.e., no array gain) for $N_{ANT} \leq 2$;
So directional gain = 12dBi

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 25 von 170

Page 25 of 170

Antenna Type & Antenna Gain: Integrated Panel Antenna & 15dBi

Bandwidth: 20MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
a	6	UNII-1	5180	16.13	30.00	-
			5200	16.19	30.00	-
			5240	17.00	30.00	-
		UNII-3	5745	16.82	30.00	30.00
			5785	17.50	30.00	30.00
			5825	18.42	30.00	30.00
	54	UNII-1	5180	16.15	30.00	-
			5200	16.24	30.00	-
			5240	17.03	30.00	-
		UNII-3	5745	16.88	30.00	30.00
			5785	17.62	30.00	30.00
			5825	18.52	30.00	30.00
n	MCS0	UNII-1	5180	15.56	30.00	-
			5200	15.54	30.00	-
			5240	16.38	30.00	-
		UNII-3	5745	16.28	30.00	30.00
			5785	16.97	30.00	30.00
			5825	17.88	30.00	30.00
	MCS7	UNII-1	5180	16.20	30.00	-
			5200	16.27	30.00	-
			5240	17.07	30.00	-
		UNII-3	5745	16.93	30.00	30.00
			5785	17.61	30.00	30.00
			5825	18.54	30.00	30.00
ac	MCS0	UNII-1	5180	16.50	30.00	-
			5200	16.73	30.00	-
			5240	17.40	30.00	-
		UNII-3	5745	16.23	30.00	30.00
			5785	16.91	30.00	30.00
			5825	17.83	30.00	30.00
	MCS8	UNII-1	5180	17.20	30.00	-
			5200	17.32	30.00	-
			5240	18.11	30.00	-
		UNII-3	5745	16.90	30.00	30.00
			5785	17.58	30.00	30.00
			5825	18.53	30.00	30.00
ax	MCS0	UNII-1	5180	16.65	30.00	-
			5200	16.93	30.00	-
			5240	17.55	30.00	-
		UNII-3	5745	16.44	30.00	30.00
			5785	17.15	30.00	30.00
			5825	18.10	30.00	30.00
	MCS9	UNII-1	5180	17.20	30.00	-
			5200	17.32	30.00	-
			5240	18.11	30.00	-
		UNII-3	5745	16.89	30.00	30.00
			5785	17.66	30.00	30.00
			5825	18.56	30.00	30.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 26 von 170

Page 26 of 170

Bandwidth: 40MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
n	MCS0	UNII-1	5190	15.43	30.00	-
			5230	18.91	30.00	-
		UNII-3	5755	17.66	30.00	30.00
			5795	17.69	30.00	30.00
	MCS7	UNII-1	5190	12.44	30.00	-
			5230	18.81	30.00	-
		UNII-3	5755	17.66	30.00	30.00
			5795	17.95	30.00	30.00
ac	MCS0	UNII-1	5190	14.42	30.00	-
			5230	18.88	30.00	-
		UNII-3	5755	17.69	30.00	30.00
			5795	17.96	30.00	30.00
	MCS9	UNII-1	5190	12.39	30.00	-
			5230	18.84	30.00	-
		UNII-3	5755	17.69	30.00	30.00
			5795	17.99	30.00	30.00
ax	MCS0	UNII-1	5190	14.13	30.00	-
			5230	18.56	30.00	-
		UNII-3	5755	17.40	30.00	30.00
			5795	17.71	30.00	30.00
	MCS11	UNII-1	5190	12.46	30.00	-
			5230	18.86	30.00	-
		UNII-3	5755	17.73	30.00	30.00
			5795	18.02	30.00	30.00

Bandwidth: 80MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
ac	MCS0	UNII-1	5210	13.14	30.00	-
		UNII-3	5775	17.24	30.00	30.00
	MCS9	UNII-1	5210	12.78	30.00	-
		UNII-3	5775	17.59	30.00	30.00
ax	MCS0	UNII-1	5210	13.85	30.00	-
		UNII-3	5775	17.16	30.00	30.00
	MCS9	UNII-1	5210	11.56	30.00	-
		UNII-3	5775	17.65	30.00	30.00

Note:

1. This is Fixed Point-point AP Application
2. The frequency band 5150MHz to 5250MHz is only for FCC Use
3. The duty cycle correction factor is added in the final test data
4. The antenna gain is 15dBi. The device employed cyclic delay diversity (CDD) for 802.11 MIMO Transmitting per KDB 662911D01 Multiple transmitter output v02r01, for power measurements on IEEE 802.11 devices Array Gain =0dB (i.e., no array gain) for $N_{ANT} \leq 2$;
So,
Directional gain =15dBi for 5150MHz to 5250MHz & 5725MHz to 5850MHz

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 27 von 170

Page 27 of 170

Antenna type & Antenna Gain: Sector Antenna & 21dBi

Bandwidth: 20MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
a	6	UNII-1	5180	13.72	30.00	-
			5200	13.76	30.00	-
			5240	14.31	30.00	-
		UNII-3	5745	15.27	30.00	30.00
			5785	16.14	30.00	30.00
			5825	16.89	30.00	30.00
	54	UNII-1	5180	13.86	30.00	-
			5200	13.77	30.00	-
			5240	14.39	30.00	-
		UNII-3	5745	15.40	30.00	30.00
			5785	16.28	30.00	30.00
			5825	17.03	30.00	30.00
n	MCS0	UNII-1	5180	8.97	30.00	-
			5200	9.60	30.00	-
			5240	10.05	30.00	-
		UNII-3	5745	14.81	30.00	30.00
			5785	15.67	30.00	30.00
			5825	16.46	30.00	30.00
	MCS7	UNII-1	5180	9.60	30.00	-
			5200	10.23	30.00	-
			5240	10.80	30.00	-
		UNII-3	5745	15.44	30.00	30.00
			5785	16.34	30.00	30.00
			5825	17.09	30.00	30.00
ac	MCS0	UNII-1	5180	11.17	30.00	-
			5200	11.88	30.00	-
			5240	12.32	30.00	-
		UNII-3	5745	14.83	30.00	30.00
			5785	15.71	30.00	30.00
			5825	16.46	30.00	30.00
	MCS8	UNII-1	5180	11.85	30.00	-
			5200	12.53	30.00	-
			5240	13.06	30.00	-
		UNII-3	5745	15.48	30.00	30.00
			5785	16.34	30.00	30.00
			5825	17.10	30.00	30.00
ax	MCS0	UNII-1	5180	11.39	30.00	-
			5200	12.10	30.00	-
			5240	12.49	30.00	-
		UNII-3	5745	15.10	30.00	30.00
			5785	15.94	30.00	30.00
			5825	16.73	30.00	30.00
	MCS9	UNII-1	5180	11.91	30.00	-
			5200	12.57	30.00	-
			5240	13.07	30.00	-
		UNII-3	5745	15.55	30.00	30.00
			5785	16.45	30.00	30.00
			5825	17.18	30.00	30.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 28 von 170

Page 28 of 170

Bandwidth: 40MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
n	MCS0	UNII-1	5190	12.33	30.00	-
			5230	12.95	30.00	-
		UNII-3	5755	16.40	30.00	30.00
			5795	16.72	30.00	30.00
	MCS7	UNII-1	5190	12.26	30.00	-
			5230	12.89	30.00	-
		UNII-3	5755	16.36	30.00	30.00
			5795	16.64	30.00	30.00
ac	MCS0	UNII-1	5190	12.31	30.00	-
			5230	12.97	30.00	-
		UNII-3	5755	16.39	30.00	30.00
			5795	16.69	30.00	30.00
	MCS9	UNII-1	5190	12.30	30.00	-
			5230	12.91	30.00	-
		UNII-3	5755	16.36	30.00	30.00
			5795	16.73	30.00	30.00
ax	MCS0	UNII-1	5190	12.06	30.00	-
			5230	12.66	30.00	-
		UNII-3	5755	16.12	30.00	30.00
			5795	16.44	30.00	30.00
	MCS11	UNII-1	5190	12.31	30.00	-
			5230	12.93	30.00	-
		UNII-3	5755	16.39	30.00	30.00
			5795	16.74	30.00	30.00

Bandwidth: 80MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
ac	MCS0	UNII-1	5210	12.39	30.00	-
		UNII-3	5775	10.90	30.00	30.00
	MCS9	UNII-1	5210	12.64	30.00	-
		UNII-3	5775	11.22	30.00	30.00
ax	MCS0	UNII-1	5210	12.31	30.00	-
		UNII-3	5775	10.80	30.00	30.00
	MCS9	UNII-1	5210	12.64	30.00	-
		UNII-3	5775	11.23	30.00	30.00

Note:

1. This is Fixed Point-point AP Application
2. The frequency band 5150MHz to 5250MHz is only for FCC Use
3. The duty cycle correction factor is added in the final test data
4. The antenna gain is 21dBi. The device employed cyclic delay diversity (CDD) for 802.11 MIMO Transmitting per KDB 662911D01 Multiple transmitter output v02r01, for power measurements on IEEE 802.11 devices
Array Gain =0dB (i.e., no array gain) for $N_{ANT} \leq 2$;
So,
Directional gain =21dBi for 5150MHz to 5250MHz & 5725MHz to 5850MHz

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 29 von 170

Page 29 of 170

Antenna Type & Antenna Gain: Integrated Panel Antenna & 23dBi

Bandwidth: 20MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
a	6	UNII-1	5180	14.82	30.00	-
			5200	14.86	30.00	-
			5240	15.48	30.00	-
		UNII-3	5745	16.25	30.00	30.00
			5785	16.91	30.00	30.00
			5825	17.91	30.00	30.00
	54	UNII-1	5180	14.99	30.00	-
			5200	14.88	30.00	-
			5240	15.55	30.00	-
		UNII-3	5745	16.38	30.00	30.00
			5785	17.00	30.00	30.00
			5825	18.03	30.00	30.00
n	MCS0	UNII-1	5180	10.01	30.00	-
			5200	10.64	30.00	-
			5240	11.06	30.00	-
		UNII-3	5745	14.44	30.00	30.00
			5785	15.40	30.00	30.00
			5825	16.44	30.00	30.00
	MCS7	UNII-1	5180	10.74	30.00	-
			5200	11.23	30.00	-
			5240	11.81	30.00	-
		UNII-3	5745	15.14	30.00	30.00
			5785	16.06	30.00	30.00
			5825	17.09	30.00	30.00
ac	MCS0	UNII-1	5180	12.31	30.00	-
			5200	12.91	30.00	-
			5240	13.30	30.00	-
		UNII-3	5745	14.50	30.00	30.00
			5785	15.42	30.00	30.00
			5825	16.46	30.00	30.00
	MCS8	UNII-1	5180	12.97	30.00	-
			5200	13.48	30.00	-
			5240	14.00	30.00	-
		UNII-3	5745	15.12	30.00	30.00
			5785	16.02	30.00	30.00
			5825	17.07	30.00	30.00
ax	MCS0	UNII-1	5180	12.50	30.00	-
			5200	13.11	30.00	-
			5240	13.59	30.00	-
		UNII-3	5745	14.65	30.00	30.00
			5785	15.64	30.00	30.00
			5825	16.70	30.00	30.00
	MCS9	UNII-1	5180	13.04	30.00	-
			5200	13.59	30.00	-
			5240	14.07	30.00	-
		UNII-3	5745	15.12	30.00	30.00
			5785	16.08	30.00	30.00
			5825	17.12	30.00	30.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 30 von 170

Page 30 of 170

Bandwidth: 40MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
n	MCS0	UNII-1	5190	13.37	30.00	-
			5230	13.90	30.00	-
		UNII-3	5755	15.80	30.00	30.00
			5795	16.50	30.00	30.00
	MCS7	UNII-1	5190	13.34	30.00	-
			5230	13.84	30.00	-
		UNII-3	5755	15.81	30.00	30.00
			5795	16.43	30.00	30.00
ac	MCS0	UNII-1	5190	13.37	30.00	-
			5230	13.92	30.00	-
		UNII-3	5755	15.77	30.00	30.00
			5795	16.47	30.00	30.00
	MCS9	UNII-1	5190	13.35	30.00	-
			5230	13.87	30.00	-
		UNII-3	5755	15.81	30.00	30.00
			5795	16.45	30.00	30.00
ax	MCS0	UNII-1	5190	13.13	30.00	-
			5230	13.61	30.00	-
		UNII-3	5755	15.53	30.00	30.00
			5795	16.19	30.00	30.00
	MCS11	UNII-1	5190	13.40	30.00	-
			5230	13.87	30.00	-
		UNII-3	5755	15.87	30.00	30.00
			5795	16.48	30.00	30.00

Bandwidth: 80MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
ac	MCS0	UNII-1	5210	13.38	30.00	-
		UNII-3	5775	10.48	30.00	30.00
	MCS9	UNII-1	5210	13.70	30.00	-
		UNII-3	5775	10.84	30.00	30.00
ax	MCS0	UNII-1	5210	13.25	30.00	-
		UNII-3	5775	10.43	30.00	30.00
	MCS9	UNII-1	5210	13.73	30.00	-
		UNII-3	5775	10.91	30.00	30.00

Note:

1. This is Fixed Point-point AP Application
2. The frequency band 5150MHz to 5250MHz is only for FCC Use
3. The duty cycle correction factor is added in the final test data
4. The antenna gain is 23dBi, The device employed cyclic delay diversity (CDD) for 802.11 MIMO Transmitting per KDB 662911D01 Multiple transmitter output v02r01, for power measurements on IEEE 802.11 devices.
Array Gain =0dB (i.e., no array gain) for $N_{ANT} \leq 2$;

So, Directional gain: 23dBi for 5150MHz to 5250MHz & 5725MHz to 5850MHz

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 31 von 170

Page 31 of 170

Antenna Type & Antenna Gain: Panel Antenna & 28dBi

Bandwidth: 20MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	Limit (dBm)	ISED Limit (dBm)
a	6	UNII-1	5180	11.78	25.00	-
			5200	12.17	25.00	-
			5240	12.59	25.00	-
		UNII-3	5745	14.84	30.00	30.00
			5785	15.81	30.00	30.00
			5825	16.85	30.00	30.00
	54	UNII-1	5180	11.89	25.00	-
			5200	12.23	25.00	-
			5240	12.71	25.00	-
		UNII-3	5745	14.93	30.00	30.00
			5785	15.91	30.00	30.00
			5825	16.99	30.00	30.00
n	MCS0	UNII-1	5180	11.29	25.00	-
			5200	11.69	25.00	-
			5240	12.13	25.00	-
		UNII-3	5745	14.38	30.00	30.00
			5785	15.38	30.00	30.00
	MCS7	UNII-1	5825	16.42	30.00	30.00
			5180	11.95	25.00	-
			5200	12.38	25.00	-
		UNII-3	5240	12.80	25.00	-
			5745	14.95	30.00	30.00
			5785	15.88	30.00	30.00
			5825	16.94	30.00	30.00
ac	MCS0	UNII-1	5180	13.02	25.00	-
			5200	13.59	25.00	-
			5240	14.11	25.00	-
		UNII-3	5745	15.90	30.00	30.00
			5785	16.97	30.00	30.00
	MCS8	UNII-1	5825	17.96	30.00	30.00
			5180	13.03	25.00	-
			5200	13.61	25.00	-
		UNII-3	5240	14.08	25.00	-
			5745	15.90	30.00	30.00
			5785	16.95	30.00	30.00
			5825	18.00	30.00	30.00
ax	MCS0	UNII-1	5180	12.54	25.00	-
			5200	13.14	25.00	-
			5240	13.53	25.00	-
		UNII-3	5745	14.48	30.00	30.00
			5785	15.50	30.00	30.00
			5825	16.59	30.00	30.00
	MCS9	UNII-1	5180	13.08	25.00	-
			5200	13.60	25.00	-
			5240	14.04	25.00	-
		UNII-3	5745	15.96	30.00	30.00
			5785	17.01	30.00	30.00
			5825	18.07	30.00	30.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 32 von 170

Page 32 of 170

Bandwidth: 40MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	Limit (dBm)	ISED Limit (dBm)
n	MCS0	UNII-1	5190	13.37	25.00	-
			5230	13.91	25.00	-
		UNII-3	5755	16.73	30.00	30.00
			5795	17.50	30.00	30.00
	MCS7	UNII-1	5190	13.33	25.00	-
			5230	13.89	25.00	-
		UNII-3	5755	16.72	30.00	30.00
			5795	17.46	30.00	30.00
ac	MCS0	UNII-1	5190	13.42	25.00	-
			5230	13.94	25.00	-
		UNII-3	5755	16.69	30.00	30.00
			5795	17.49	30.00	30.00
	MCS9	UNII-1	5190	13.40	25.00	-
			5230	13.89	25.00	-
		UNII-3	5755	16.72	30.00	30.00
			5795	17.45	30.00	30.00
ax	MCS0	UNII-1	5190	13.01	25.00	-
			5230	13.63	25.00	-
		UNII-3	5755	16.42	30.00	30.00
			5795	17.24	30.00	30.00
	MCS11	UNII-1	5190	13.42	25.00	-
			5230	13.89	25.00	-
		UNII-3	5755	16.79	30.00	30.00
			5795	17.52	30.00	30.00

Bandwidth: 80MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	Limit (dBm)	Margin (dB)
ac	MCS0	UNII-1	5210	13.39	25.00	-
		UNII-3	5775	7.30	30.00	30.00
	MCS9	UNII-1	5210	13.69	25.00	-
		UNII-3	5775	7.69	30.00	30.00
ax	MCS0	UNII-1	5210	13.27	25.00	-
		UNII-3	5775	7.23	30.00	30.00
	MCS9	UNII-1	5210	13.69	25.00	-
		UNII-3	5775	9.52	30.00	30.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 33 von 170

Page 33 of 170

***Note:**

1. This is Fixed Point-point AP Application
 2. The frequency band 5150MHz to 5250MHz is only for FCC Use
 3. The duty cycle correction factor is added in the final test data
 4. The antenna gain is 28dBi, The device employed cyclic delay diversity (CDD) for 802.11 MIMO Transmitting per KDB 662911D01 Multiple transmitter output v02r01, for power measurements on IEEE 802.11 devices.
- Array Gain =0dB (i.e., no array gain) for NANT≤2;
So,
Directional gain: 28dBi for 5150MHz to 5250MHz & 5725MHz to 5850MHz

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 34 von 170

Page 34 of 170

Antenna Type & Antenna Gain: Dish Antenna & 35dBi

Bandwidth:20MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	Limit (dBm)
a	6	UNII-1	5180	-0.43	18
			5200	-0.21	18
			5240	-0.32	18
		UNII-3	5745	14.27	30
			5785	15.15	30
			5825	15.98	30
	54	UNII-1	5180	-0.81	18
			5200	-0.56	18
			5240	-0.63	18
		UNII-3	5745	14.34	30
			5785	15.28	30
			5825	16.11	30
n	MCS0	UNII-1	5180	-0.62	18
			5200	-0.44	18
			5240	-0.46	18
		UNII-3	5745	13.76	30
			5785	14.71	30
			5825	15.53	30
	MCS7	UNII-1	5180	-0.82	18
			5200	-0.61	18
			5240	-0.68	18
		UNII-3	5745	14.42	30
			5785	15.3	30
			5825	16.18	30
ac	MCS0	UNII-1	5180	-0.57	18
			5200	-0.41	18
			5240	-0.48	18
		UNII-3	5745	13.84	30
			5785	14.68	30
			5825	15.55	30
	MCS8	UNII-1	5180	-0.78	18
			5200	-0.56	18
			5240	-0.63	18
		UNII-3	5745	14.42	30
			5785	15.37	30
			5825	16.16	30
ax	MCS0	UNII-1	5180	-0.65	18
			5200	-0.49	18
			5240	-0.49	18
		UNII-3	5745	14.06	30
			5785	14.92	30
			5825	15.74	30
	MCS9	UNII-1	5180	-0.74	18
			5200	-0.59	18
			5240	-0.57	18
		UNII-3	5745	14.46	30
			5785	15.38	30
			5825	16.23	30

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 35 von 170

Page 35 of 170

Bandwidth:40MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	Limit (dBm)
n	MCS0	UNII-1	5190	-0.87	18
			5230	-0.83	18
		UNII-3	5755	15.38	30
			5795	15.69	30
	MCS7	UNII-1	5190	-0.83	18
			5230	-0.8	18
		UNII-3	5755	15.34	30
			5795	15.63	30
ac	MCS0	UNII-1	5190	-0.77	18
			5230	-0.72	18
		UNII-3	5755	15.38	30
			5795	15.62	30
	MCS9	UNII-1	5190	-0.77	18
			5230	-0.72	18
		UNII-3	5755	15.38	30
			5795	15.66	30
ax	MCS0	UNII-1	5190	-0.75	18
			5230	-0.66	18
		UNII-3	5755	15.16	30
			5795	15.44	30
	MCS11	UNII-1	5190	-0.69	18
			5230	-0.68	18
		UNII-3	5755	15.41	30
			5795	15.64	30

Bandwidth:80MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured Power (dBm)	Limit (dBm)
ac	MCS0	UNII-1	5210	-0.53	18
		UNII-3	5775	7.87	30
	MCS9	UNII-1	5210	-0.88	18
		UNII-3	5775	8.17	30
ax	MCS0	UNII-1	5210	-0.43	18
		UNII-3	5775	7.8	30
	MCS9	UNII-1	5210	-0.64	18
		UNII-3	5775	8.19	30

Note:

1. This is Fixed Point-point AP Application
2. The frequency band 5150MHz to 5250MHz is only for FCC Use
3. The duty cycle correction factor is added in the final test data
4. The antenna gain is 35dBi, The device employed cyclic delay diversity (CDD) for 802.11 MIMO Transmitting per KDB 662911D01 Multiple transmitter output v02r01, for power measurements on IEEE 802.11 devices.

Array Gain =0dB (i.e., no array gain) for $N_{ANT} \leq 2$; So,

Directional gain =35dBi

7.3 Maximum Power Spectral Density

Result

Pass

Test Specification	FCC part 15 Subpart E 15.407 (a) & RSS-247 Issue 3 Clause 6.2.1 & 6.2.4
Test Method	Subclause 12.5 of ANSI C63.10
Measurement Bandwidth	300kHz/1 MHz
Detector	Average sample detector
Port of testing	Antenna port
Requirement for FCC & IC	Please Refer the below the limit

Limits:

For FCC 15.407(a):

1. For an outdoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).
2. For fixed point-to-point access points operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U–NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U–NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

3. For the band 5.725–5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations

According to RSS 247 Issue 3 Clause 6.2

Frequency band: 5150MHz to 5250MHz

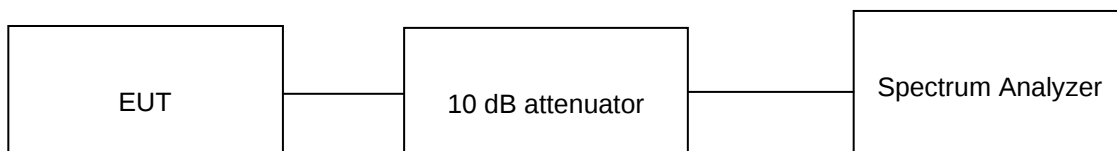
For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

Frequency band: 5725MHz to 5850MHz

The maximum conducted output power shall not exceed 1 W. The output power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint3 systems, omnidirectional applications and multiple collocated transmitters transmitting the same information

Test Method:



Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 38 von 170
Page 38 of 170

The following procedure shall be used:

1. Set center frequency to the nominal EUT channel center frequency
2. Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal
3. Set RBW = 1MHz (5.15-5.25 GHz band) / 500kHz (5.725-5.85 GHz band)
4. Set VBW $\geq 3 \times$ RBW
5. Number of points in sweep $\geq 2 \times$ span / RBW. (This ensures that bin-to-bin spacing is $\leq$ RBW/2, so that narrowband signals are not lost between frequency bins.)
6. Sweep time = auto
7. Detector = power averaging (rms), if available. Otherwise, use sample detector mode
8. Do not use sweep triggering. Allow the sweep to "free run."
9. Trace average at least 100 traces and Compute power by integrating the spectrum across the EBW
10. Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission)
11. If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 kHz bandwidth, the following adjustments to the procedures apply:
 - a. Set RBW = 300 kHz
 - b. Set VBW $\geq 3 \times$ RBW
 - c. If measurement bandwidth of Maximum PSD is specified in 500 kHz

$$\text{PSD bandwidth correction Factor} = 10 * \log(500 \text{ kHz} / \text{RBW})$$

Test Condition:

Normal Test Condition:

Temperature (Norm) = + 22.6 °C Voltage = 56VDC through POE Injector Relative humidity: 62 %

KDB Guidelines applied:

Measurements were made as per section F in KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Test results:

Note:

1. All the losses are included during measurement and final values are mentioned in the test report
2. Duty cycle correction factor is considered in Final Average power

Duty cycle Correction factor = $10 * \log(1/X)$ Where X is Duty Cycle

Note: Refer Attached Appendix for test Plots

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 39 von 170
Page 39 of 170

Antenna Type & Antenna Gain: Omni Antenna & 12dBi

Bandwidth: 20MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
a	6	UNII-1	5180	5.01	3.90	7.50	8.00	-
			5200	5.43	3.61	7.62	8.00	-
			5240	5.61	3.12	7.55	8.00	-
		UNII-3	5745	0.82	0.85	3.85	24.00	24.00
			5785	1.38	2.15	4.79	24.00	24.00
			5825	2.28	2.66	5.48	24.00	24.00
	54	UNII-1	5180	4.24	3.47	6.88	8.00	-
			5200	4.86	2.72	6.93	8.00	-
			5240	5.34	4.02	7.74	8.00	-
		UNII-3	5745	0.23	0.33	3.29	24.00	24.00
			5785	0.64	1.96	4.36	24.00	24.00
			5825	1.27	2.01	4.67	24.00	24.00
n	MCS0	UNII-1	5180	4.33	3.06	6.75	8.00	-
			5200	4.57	2.82	6.79	8.00	-
			5240	5.54	2.71	7.36	8.00	-
		UNII-3	5745	0.24	0.23	3.25	24.00	24.00
			5785	0.60	1.43	4.05	24.00	24.00
			5825	1.55	2.00	4.79	24.00	24.00
	MCS7	UNII-1	5180	3.27	2.47	5.90	8.00	-
			5200	3.60	2.17	5.95	8.00	-
			5240	4.71	2.71	6.83	8.00	-
		UNII-3	5745	-0.90	-0.78	2.17	24.00	24.00
			5785	-0.43	0.56	3.10	24.00	24.00
			5825	0.32	0.84	3.60	24.00	24.00
ac	MCS0	UNII-1	5180	4.05	4.12	7.10	8.00	-
			5200	4.27	3.74	7.02	8.00	-
			5240	5.07	3.84	7.51	8.00	-
		UNII-3	5745	-2.49	0.29	2.13	24.00	24.00
			5785	-2.13	1.63	3.16	24.00	24.00
			5825	-1.08	2.24	3.90	24.00	24.00
	MCS8	UNII-1	5180	2.74	3.07	5.92	8.00	-
			5200	2.89	3.09	6.00	8.00	-
			5240	4.15	3.81	6.99	8.00	-
		UNII-3	5745	-3.90	-0.56	1.09	24.00	24.00
			5785	-3.59	0.73	2.10	24.00	24.00
			5825	-2.37	1.21	2.79	24.00	24.00
ax	MCS0	UNII-1	5180	3.63	3.95	6.80	8.00	-
			5200	3.96	3.80	6.89	8.00	-
			5240	4.78	3.74	7.30	8.00	-
		UNII-3	5745	-2.95	0.29	1.98	24.00	24.00
			5785	-2.24	1.67	3.15	24.00	24.00
			5825	-1.56	2.11	3.66	24.00	24.00
	MCS9	UNII-1	5180	2.47	3.03	5.77	8.00	-
			5200	2.51	2.92	5.73	8.00	-
			5240	3.45	3.57	6.52	8.00	-
		UNII-3	5745	-4.54	-1.20	0.45	24.00	24.00
			5785	-4.10	0.16	1.54	24.00	24.00
			5825	-3.14	0.48	2.05	24.00	24.00

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 40 von 170
Page 40 of 170

Bandwidth: 40MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
n	MCS0	UNII-1	5190	3.09	3.01	6.06	8.00	-
			5230	3.44	3.16	6.31	8.00	-
		UNII-3	5755	-4.19	-0.89	0.78	24.00	24.00
			5795	-4.13	0.02	1.43	24.00	24.00
	MCS7	UNII-1	5190	1.20	1.24	4.23	8.00	-
			5230	1.80	1.51	4.67	8.00	-
		UNII-3	5755	-6.26	-2.41	-0.91	24.00	24.00
			5795	-5.99	-2.13	-0.63	24.00	24.00
ac	MCS0	UNII-1	5190	2.92	3.11	6.03	8.00	-
			5230	3.35	3.21	6.29	8.00	-
		UNII-3	5755	-4.30	-0.51	1.01	24.00	24.00
			5795	-4.27	-0.15	1.27	24.00	24.00
	MCS9	UNII-1	5190	1.19	1.42	4.32	8.00	-
			5230	1.66	1.60	4.64	8.00	-
		UNII-3	5755	-6.14	-2.27	-0.78	24.00	24.00
			5795	-6.16	-2.05	-0.63	24.00	24.00
ax	MCS0	UNII-1	5190	2.64	2.78	5.72	8.00	-
			5230	2.43	2.91	5.69	8.00	-
		UNII-3	5755	-3.96	-1.02	0.76	24.00	24.00
			5795	-3.94	-0.48	1.14	24.00	24.00
	MCS11	UNII-1	5190	0.96	1.25	4.12	8.00	-
			5230	1.67	1.27	4.48	8.00	-
		UNII-3	5755	-5.78	-2.72	-0.98	24.00	24.00
			5795	-5.71	-2.47	-0.78	24.00	24.00

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 41 von 170
Page 41 of 170

Bandwidth: 80MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
ac	MCS0	UNII-1	5210	0.4	0.29	3.36	8.00	-
		UNII-3	5775	-6.84	-3.25	-1.67	24.00	24.00
	MCS9	UNII-1	5210	-1.86	-1.28	1.45	8.00	-
		UNII-3	5775	-8.94	-5.6	-3.95	24.00	24.00
ax	MCS0	UNII-1	5210	0.02	-0.06	2.99	8.00	-
		UNII-3	5775	-6.87	-3.46	-1.83	24.00	24.00
	MCS9	UNII-1	5210	-2.04	-1.84	1.07	8.00	-
		UNII-3	5775	-9.1	-5.75	-4.10	24.00	24.00

Note:

The Maximum antenna gain is 12dBi in 5GHz band. The device employed cyclic delay diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for Power Spectral Density (PSD) measurements on the devices:

Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB

So: Directional Gain = GANT + Array Gain = 12dBi + $10 \cdot \log(2/1)$ = 15dBi

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 42 von 170

Page 42 of 170

Antenna type & Antenna Gain: Integrated Panel Antenna & 15dBi

Bandwidth: 20MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
a	6	UNII-1	5180	5.17	3.96	7.62	17.00	-
			5200	5.48	3.71	7.69	17.00	-
			5240	5.40	2.80	7.30	17.00	-
		UNII-3	5745	0.85	0.89	3.88	30.00	30.00
			5785	1.66	2.18	4.94	30.00	30.00
			5825	2.40	2.74	5.58	30.00	30.00
	54	UNII-1	5180	4.37	3.38	6.91	17.00	-
			5200	4.59	2.52	6.69	17.00	-
			5240	5.70	3.19	7.63	17.00	-
		UNII-3	5745	-1.85	-2.30	0.94	30.00	30.00
			5785	0.91	1.31	4.12	30.00	30.00
			5825	1.43	2.08	4.78	30.00	30.00
n	MCS0	UNII-1	5180	4.49	2.86	6.76	17.00	-
			5200	4.65	2.69	6.79	17.00	-
			5240	5.82	2.64	7.53	17.00	-
		UNII-3	5745	0.31	0.10	3.22	30.00	30.00
			5785	0.90	1.56	4.25	30.00	30.00
			5825	1.71	1.99	4.86	30.00	30.00
	MCS7	UNII-1	5180	3.38	2.33	5.90	17.00	-
			5200	3.64	2.11	5.95	17.00	-
			5240	4.77	2.65	6.85	17.00	-
		UNII-3	5745	-1.01	-0.95	2.03	30.00	30.00
			5785	-0.47	0.33	2.96	30.00	30.00
			5825	0.48	0.83	3.67	30.00	30.00
ac	MCS0	UNII-1	5180	5.14	3.84	7.55	17.00	-
			5200	5.77	3.54	7.81	17.00	-
			5240	6.63	3.77	8.44	17.00	-
		UNII-3	5745	0.12	0.07	3.11	30.00	30.00
			5785	0.74	1.49	4.14	30.00	30.00
			5825	1.62	1.77	4.71	30.00	30.00
	MCS8	UNII-1	5180	4.43	3.29	6.91	17.00	-
			5200	4.68	3.40	7.10	17.00	-
			5240	5.87	3.90	8.01	17.00	-
		UNII-3	5745	-1.17	-0.84	2.01	30.00	30.00
			5785	-0.55	0.59	3.07	30.00	30.00
			5825	0.55	1.10	3.84	30.00	30.00
ax	MCS0	UNII-1	5180	5.43	3.89	7.74	17.00	-
			5200	5.75	3.84	7.91	17.00	-
			5240	6.66	3.59	8.40	17.00	-
		UNII-3	5745	0.19	0.17	3.19	30.00	30.00
			5785	0.85	1.61	4.26	30.00	30.00
			5825	1.61	2.04	4.84	30.00	30.00
	MCS9	UNII-1	5180	4.12	3.01	6.61	17.00	-
			5200	4.47	3.00	6.81	17.00	-
			5240	5.58	3.53	7.69	17.00	-
		UNII-3	5745	-1.39	-1.20	1.72	30.00	30.00
			5785	-0.74	0.22	2.78	30.00	30.00
			5825	0.13	0.66	3.41	30.00	30.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 43 von 170

Page 43 of 170

Bandwidth: 40MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
n	MCS0	UNII-1	5190	4.78	3.13	7.04	17.00	-
			5230	5.18	3.27	7.34	17.00	-
		UNII-3	5755	-1.02	-0.60	2.21	30.00	30.00
			5795	-1.02	-0.10	2.47	30.00	30.00
	MCS7	UNII-1	5190	2.63	1.17	4.97	17.00	-
			5230	3.29	1.43	5.47	17.00	-
		UNII-3	5755	-3.14	-2.62	0.14	30.00	30.00
			5795	-2.88	-2.29	0.44	30.00	30.00
ac	MCS0	UNII-1	5190	4.72	3.30	7.08	17.00	-
			5230	5.25	3.23	7.37	17.00	-
		UNII-3	5755	-1.09	-0.43	2.26	30.00	30.00
			5795	-1.18	-0.07	2.42	30.00	30.00
	MCS9	UNII-1	5190	2.75	1.40	5.14	17.00	-
			5230	3.40	1.65	5.62	17.00	-
		UNII-3	5755	-2.79	-2.29	0.48	30.00	30.00
			5795	-2.74	-2.07	0.62	30.00	30.00
ax	MCS0	UNII-1	5190	4.27	2.52	6.49	17.00	-
			5230	5.04	2.94	7.13	17.00	-
		UNII-3	5755	-1.45	-1.02	1.78	30.00	30.00
			5795	-1.30	-0.44	2.16	30.00	30.00
	MCS11	UNII-1	5190	2.74	1.36	5.11	17.00	-
			5230	3.50	1.22	5.52	17.00	-
		UNII-3	5755	-3.27	-2.83	-0.03	30.00	30.00
			5795	-3.17	-2.45	0.22	30.00	30.00

Bandwidth: 80MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
ac	MCS0	UNII-1	5210	2.57	0.46	4.65	17.00	-
		UNII-3	5775	-4.30	-3.44	-0.84	30.00	30.00
	MCS9	UNII-1	5210	0.35	-1.50	2.53	17.00	-
		UNII-3	5775	-6.38	-5.64	-2.98	30.00	30.00
ax	MCS0	UNII-1	5210	2.05	0.13	4.21	17.00	-
		UNII-3	5775	-4.21	-3.59	-0.88	30.00	30.00
	MCS9	UNII-1	5210	2.37	0.17	4.42	17.00	-
		UNII-3	5775	-3.98	-3.61	-0.78	30.00	30.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 44 von 170

Page 44 of 170

Note:

The Maximum antenna gain is 15dBi in 5GHz band. The device employed cyclic delay diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for Power Spectral Density (PSD) measurements on the devices:

Array Gain = $10 \log(N_{\text{ANT}}/N_{\text{SS}})$ dB

So: Directional Gain = GANT + Array Gain = 15dBi + $10 \cdot \log(2/1)$ = 18dBi

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 45 von 170
Page 45 of 170

Antenna Type & Antenna Gain: Sector Antenna & 21dBi

Bandwidth: 20MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
a	6	UNII-1	5180	7.13	5.77	9.51	17.00	-
			5200	7.59	5.72	9.77	17.00	-
			5240	8.32	6.06	10.35	17.00	-
		UNII-3	5745	0.91	0.71	3.82	30.00	30.00
			5785	1.51	2.03	4.79	30.00	30.00
			5825	2.35	2.63	5.50	30.00	30.00
	54	UNII-1	5180	2.02	1.00	4.55	17.00	-
			5200	2.68	0.61	4.78	17.00	-
			5240	3.70	1.14	5.62	17.00	-
		UNII-3	5745	-0.98	-1.33	1.86	30.00	30.00
			5785	-0.53	0.07	2.79	30.00	30.00
			5825	0.29	0.99	3.66	30.00	30.00
n	MCS0	UNII-1	5180	2.35	1.09	4.78	17.00	-
			5200	2.72	0.46	4.75	17.00	-
			5240	3.41	0.69	5.27	17.00	-
		UNII-3	5745	-0.71	-0.96	2.18	30.00	30.00
			5785	-0.38	0.41	3.04	30.00	30.00
			5825	0.83	0.80	3.83	30.00	30.00
	MCS7	UNII-1	5180	-2.67	-3.94	-0.25	17.00	-
			5200	-1.81	-3.84	0.30	17.00	-
			5240	-0.86	-3.41	1.06	17.00	-
		UNII-3	5745	-1.91	-1.96	1.08	30.00	30.00
			5785	-1.43	-0.50	2.07	30.00	30.00
			5825	-0.44	-0.12	2.73	30.00	30.00
ac	MCS0	UNII-1	5180	-1.84	-3.34	0.48	17.00	-
			5200	-0.81	-3.29	1.13	17.00	-
			5240	-0.03	-3.27	1.66	17.00	-
		UNII-3	5745	-0.75	-0.94	2.17	30.00	30.00
			5785	-0.30	0.50	3.13	30.00	30.00
			5825	0.59	1.18	3.91	30.00	30.00
	MCS8	UNII-1	5180	-0.57	-1.87	1.84	17.00	-
			5200	0.30	-1.53	2.49	17.00	-
			5240	1.26	-1.01	3.28	17.00	-
		UNII-3	5745	-1.98	-1.95	1.05	30.00	30.00
			5785	-1.56	-0.58	1.97	30.00	30.00
			5825	-0.52	-0.26	2.62	30.00	30.00
ax	MCS0	UNII-1	5180	0.50	-1.11	2.78	17.00	-
			5200	1.43	-0.95	3.41	17.00	-
			5240	1.99	-0.99	3.76	17.00	-
		UNII-3	5745	-0.70	-0.82	2.25	30.00	30.00
			5785	-0.25	0.49	3.15	30.00	30.00
			5825	0.66	1.02	3.85	30.00	30.00
	MCS9	UNII-1	5180	-0.51	-2.07	1.79	17.00	-
			5200	0.25	-1.79	2.36	17.00	-
			5240	0.95	-1.32	2.97	17.00	-
		UNII-3	5745	-2.01	-2.27	0.87	30.00	30.00
			5785	-1.73	-0.88	1.73	30.00	30.00
			5825	-0.76	-0.36	2.45	30.00	30.00

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 46 von 170
Page 46 of 170

Bandwidth: 40MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
n	MCS0	UNII-1	5190	-1.12	-2.80	1.13	17.00	-
			5230	-0.17	-2.44	1.85	17.00	-
		UNII-3	5755	-2.26	-1.51	1.14	30.00	30.00
			5795	-2.22	-1.15	1.36	30.00	30.00
	MCS7	UNII-1	5190	-2.96	-4.60	-0.69	17.00	-
			5230	-1.99	-4.21	0.05	17.00	-
		UNII-3	5755	-4.06	-3.64	-0.83	30.00	30.00
			5795	-3.82	-3.22	-0.50	30.00	30.00
ac	MCS0	UNII-1	5190	-0.89	-2.74	1.29	17.00	-
			5230	-0.14	-2.52	1.84	17.00	-
		UNII-3	5755	-1.97	-1.61	1.22	30.00	30.00
			5795	-2.07	-1.25	1.37	30.00	30.00
	MCS9	UNII-1	5190	-2.95	-4.44	-0.62	17.00	-
			5230	-2.06	-4.13	0.04	17.00	-
		UNII-3	5755	-3.97	-3.50	-0.72	30.00	30.00
			5795	-3.98	-3.24	-0.58	30.00	30.00
ax	MCS0	UNII-1	5190	-1.31	-2.99	0.94	17.00	-
			5230	-0.35	-3.18	1.47	17.00	-
		UNII-3	5755	-2.27	-2.14	0.81	30.00	30.00
			5795	-2.52	-1.52	1.02	30.00	30.00
	MCS11	UNII-1	5190	-2.87	-4.34	-0.53	17.00	-
			5230	-1.95	-4.33	0.03	17.00	-
		UNII-3	5755	-4.29	-3.71	-0.98	30.00	30.00
			5795	-4.10	-3.34	-0.69	30.00	30.00

Bandwidth: 80MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
ac	MCS0	UNII-1	5210	-3.22	-5.72	-1.28	17.00	-
		UNII-3	5775	-10.11	-9.84	-6.96	30.00	30.00
	MCS9	UNII-1	5210	-5.19	-7.30	-3.11	17.00	-
		UNII-3	5775	-12.12	-11.82	-8.96	30.00	30.00
ax	MCS0	UNII-1	5210	-3.29	-5.70	-1.32	17.00	-
		UNII-3	5775	-10.22	-10.23	-7.21	30.00	30.00
	MCS9	UNII-1	5210	-5.57	-7.81	-3.54	17.00	-
		UNII-3	5775	-12.10	-11.96	-9.02	30.00	30.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 47 von 170

Page 47 of 170

Note:

The Maximum antenna gain is 21dBi in 5GHz band. The sector antenna has two cross polarized antennas per KDB. The device employed cyclic delay diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for Power Spectral Density (PSD) measurements on the devices:

- b) *Sectorized antenna systems.* In sectorized antenna systems in which each antenna is used to transmit different data in a different direction from the other antennas, directional gain is equal to the gain of an individual sector antenna.
- c) *Cross-polarized antennas.* For a system in which the antennas have fixed orientations relative to one another that ensure that the antennas are cross-polarized regardless of any user actions, the directional gain is computed as follows.
 - (i) *Cross-polarized antennas with $N_{ANT} = 2$.* In the case of a transmitter with only two outputs driving a pair of antennas that are cross-polarized (e.g., vertical and horizontal or left-circular and right-circular), directional gain is the gain of an individual antenna. If the two antennas have different gains, the larger gain applies.

So: Directional Gain = GANT = 21dBi

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 48 von 170

Page 48 of 170

Antenna Type & Antenna Gain: Integrated Panel Antenna & 23dBd

Bandwidth: 20MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
a	6	UNII-1	5180	3.09	2.01	5.59	17.00	-
			5200	3.38	1.49	5.55	17.00	-
			5240	4.06	1.82	6.09	17.00	-
		UNII-3	5745	-0.19	-0.36	2.74	30.00	30.00
			5785	0.35	1.11	3.76	30.00	30.00
			5825	1.24	1.56	4.41	30.00	30.00
	54	UNII-1	5180	2.78	1.13	5.04	17.00	-
			5200	2.91	0.31	4.81	17.00	-
			5240	3.60	1.28	5.60	17.00	-
		UNII-3	5745	-0.58	-1.33	2.07	30.00	30.00
			5785	-0.60	0.38	2.93	30.00	30.00
			5825	0.49	0.50	3.51	30.00	30.00
n	MCS0	UNII-1	5180	-1.78	-3.17	0.59	17.00	-
			5200	-0.82	-3.24	1.15	17.00	-
			5240	-0.24	-3.26	1.52	17.00	-
		UNII-3	5745	-0.84	-0.96	2.11	30.00	30.00
			5785	-0.15	0.38	3.13	30.00	30.00
			5825	0.74	0.91	3.84	30.00	30.00
	MCS7	UNII-1	5180	-2.62	-4.02	-0.25	17.00	-
			5200	-1.73	-3.88	0.34	17.00	-
			5240	-0.98	-3.46	0.96	17.00	-
		UNII-3	5745	-1.82	-2.12	1.04	30.00	30.00
			5785	-1.38	-0.62	2.03	30.00	30.00
			5825	-0.33	-0.11	2.79	30.00	30.00
ac	MCS0	UNII-1	5180	0.49	-1.24	2.72	17.00	-
			5200	1.38	-0.98	3.37	17.00	-
			5240	2.08	-0.97	3.83	17.00	-
		UNII-3	5745	-0.79	-0.94	2.15	30.00	30.00
			5785	1.00	1.16	4.09	30.00	30.00
			5825	0.67	1.09	3.90	30.00	30.00
	MCS8	UNII-1	5180	-0.84	-1.79	1.72	17.00	-
			5200	0.35	-1.38	2.58	17.00	-
			5240	1.17	-0.99	3.23	17.00	-
		UNII-3	5745	-1.93	-1.88	1.11	30.00	30.00
			5785	-1.48	-0.59	2.00	30.00	30.00
			5825	-0.46	-0.07	2.75	30.00	30.00
ax	MCS0	UNII-1	5180	0.80	-1.15	2.94	17.00	-
			5200	1.40	-0.92	3.40	17.00	-
			5240	2.20	-0.83	3.95	17.00	-
		UNII-3	5745	-0.62	-0.78	2.31	30.00	30.00
			5785	-0.16	0.45	3.17	30.00	30.00
			5825	0.73	1.08	3.92	30.00	30.00
	MCS9	UNII-1	5180	-0.76	-2.10	1.63	17.00	-
			5200	0.05	-1.69	2.28	17.00	-
			5240	0.78	-1.29	2.88	17.00	-
		UNII-3	5745	-2.18	-2.24	0.80	30.00	30.00
			5785	-1.87	-0.77	1.73	30.00	30.00
			5825	-0.69	-0.28	2.53	30.00	30.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 49 von 170

Page 49 of 170

Bandwidth: 40MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
n	MCS0	UNII-1	5190	-1.11	-2.60	1.22	17.00	-
			5230	-0.29	-2.45	1.77	17.00	-
		UNII-3	5755	-2.32	-1.76	0.98	30.00	30.00
			5795	-2.28	-1.07	1.38	30.00	30.00
	MCS7	UNII-1	5190	-3.07	-4.55	-0.74	17.00	-
			5230	-2.02	-4.13	0.06	17.00	-
		UNII-3	5755	-4.21	-3.49	-0.82	30.00	30.00
			5795	-4.00	-3.11	-0.52	30.00	30.00
ac	MCS0	UNII-1	5190	-0.99	-2.48	1.34	17.00	-
			5230	-0.22	-2.32	1.87	17.00	-
		UNII-3	5755	-2.00	-1.40	1.32	30.00	30.00
			5795	-2.14	-1.04	1.46	30.00	30.00
	MCS9	UNII-1	5190	-2.83	-4.55	-0.60	17.00	-
			5230	-1.93	-4.07	0.14	17.00	-
		UNII-3	5755	-3.94	-3.29	-0.59	30.00	30.00
			5795	-3.78	-3.12	-0.43	30.00	30.00
ax	MCS0	UNII-1	5190	-1.31	-3.08	0.90	17.00	-
			5230	-0.29	-3.10	1.54	17.00	-
		UNII-3	5755	-2.34	-1.89	0.90	30.00	30.00
			5795	-2.40	-1.33	1.18	30.00	30.00
	MCS11	UNII-1	5190	-2.92	-4.40	-0.59	17.00	-
			5230	-1.89	-4.07	0.17	17.00	-
		UNII-3	5755	-9.09	-8.86	-5.96	30.00	30.00
			5795	-8.92	-8.24	-5.56	30.00	30.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 50 von 170

Page 50 of 170

Bandwidth: 80MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
ac	MCS0	UNII-1	5210	-3.33	-5.04	-1.09	17.00	-
		UNII-3	5775	-9.95	-9.49	-6.70	30.00	30.00
	MCS9	UNII-1	5210	-4.97	-7.44	-3.02	17.00	-
		UNII-3	5775	-12.02	-11.85	-8.92	30.00	30.00
ax	MCS0	UNII-1	5210	-3.40	-5.71	-1.39	17.00	-
		UNII-3	5775	-10.13	-9.86	-6.98	30.00	30.00
	MCS9	UNII-1	5210	-5.61	-7.76	-3.54	17.00	-
		UNII-3	5775	-12.32	-11.95	-9.12	30.00	30.00

Note:

This is fixed Point to point AP application and the UNII-1 Band(5150MHz to 5250MHz) only for FCC
The Maximum antenna gain is 23dBi in UNII-1 & UNII-3 band. The antenna set has two cross polarized antennas
The device employed cyclic delay diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for Power Spectral Density (PSD) measurements on the devices:

- b) *Sectorized antenna systems.* In sectorized antenna systems in which each antenna is used to transmit different data in a different direction from the other antennas, directional gain is equal to the gain of an individual sector antenna.
- c) *Cross-polarized antennas.* For a system in which the antennas have fixed orientations relative to one another that ensure that the antennas are cross-polarized regardless of any user actions, the directional gain is computed as follows.
 - (i) *Cross-polarized antennas with $N_{ANT} = 2$.* In the case of a transmitter with only two outputs driving a pair of antennas that are cross-polarized (e.g., vertical and horizontal or left-circular and right-circular), directional gain is the gain of an individual antenna. If the two antennas have different gains, the larger gain applies.

So: Directional Gain = GANT = 23dBi

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 51 von 170

Page 51 of 170

Antenna Type & Antenna Gain: integrated panel Antenna & 28dBi

Bandwidth: 20MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
a	6	UNII-1	5180	0.48	-1.22	2.72	12.00	-
			5200	1.00	-1.15	3.07	12.00	-
			5240	1.64	-0.96	3.54	12.00	-
		UNII-3	5745	-0.09	-0.04	2.95	30.00	30.00
			5785	0.53	1.20	3.89	30.00	30.00
			5825	1.40	1.73	4.58	30.00	30.00
	54	UNII-1	5180	-0.76	-2.11	1.63	12.00	-
			5200	0.21	-2.20	2.18	12.00	-
			5240	-0.89	-0.98	2.08	12.00	-
		UNII-3	5745	-0.22	-0.99	2.42	30.00	30.00
			5785	0.67	2.48	4.68	30.00	30.00
			5825	0.59	1.18	3.91	30.00	30.00
n	MCS0	UNII-1	5180	-0.41	-2.12	1.83	12.00	-
			5200	0.07	-2.19	2.10	12.00	-
			5240	0.91	-2.00	2.70	12.00	-
		UNII-3	5745	-0.77	-0.89	2.18	30.00	30.00
			5785	-0.20	0.68	3.27	30.00	30.00
			5825	0.92	0.99	3.97	30.00	30.00
	MCS7	UNII-1	5180	-1.46	-2.93	0.88	12.00	-
			5200	-0.85	-2.83	1.28	12.00	-
			5240	-0.02	-2.30	2.00	12.00	-
		UNII-3	5745	-1.76	-1.86	1.20	30.00	30.00
			5785	-1.48	-0.62	1.98	30.00	30.00
			5825	-0.48	-0.20	2.67	30.00	30.00
ac	MCS0	UNII-1	5180	-0.41	-2.34	1.74	12.00	-
			5200	0.15	-2.22	2.14	12.00	-
			5240	0.96	-2.29	2.64	12.00	-
		UNII-3	5745	-0.43	-1.01	2.30	30.00	30.00
			5785	0.31	0.46	3.40	30.00	30.00
			5825	1.23	0.94	4.10	30.00	30.00
	MCS8	UNII-1	5180	-1.41	-2.89	0.92	12.00	-
			5200	-0.76	-2.71	1.38	12.00	-
			5240	0.10	-2.29	2.08	12.00	-
		UNII-3	5745	-1.33	-1.89	1.41	30.00	30.00
			5785	-0.86	-0.53	2.32	30.00	30.00
			5825	0.39	-0.10	3.16	30.00	30.00
ax	MCS0	UNII-1	5180	-0.43	-2.16	1.80	12.00	-
			5200	0.54	-2.22	2.39	12.00	-
			5240	1.09	-2.17	2.77	12.00	-
		UNII-3	5745	-0.14	-0.78	2.56	30.00	30.00
			5785	0.54	0.75	3.66	30.00	30.00
			5825	1.29	1.16	4.24	30.00	30.00
	MCS9	UNII-1	5180	-1.67	-3.19	0.65	12.00	-
			5200	-0.98	-3.04	1.12	12.00	-
			5240	-0.19	-2.56	1.80	12.00	-
		UNII-3	5745	-1.60	-2.24	1.10	30.00	30.00
			5785	-1.14	-0.77	2.06	30.00	30.00
			5825	-0.09	-0.30	2.82	30.00	30.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 52 von 170

Page 52 of 170

Bandwidth: 40MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
n	MCS0	UNII-1	5190	-2.01	-3.94	0.14	12.00	-
			5230	-1.12	-3.68	0.80	12.00	-
		UNII-3	5755	-1.56	-1.57	1.45	30.00	30.00
			5795	-1.53	-1.16	1.67	30.00	30.00
	MCS7	UNII-1	5190	-3.88	-5.78	-1.72	12.00	-
			5230	-3.13	-5.48	-1.14	12.00	-
		UNII-3	5755	-3.41	-3.34	-0.36	30.00	30.00
			5795	-3.21	-3.06	-0.12	30.00	30.00
ac	MCS0	UNII-1	5190	-2.01	-3.97	0.13	12.00	-
			5230	-1.19	-3.67	0.75	12.00	-
		UNII-3	5755	-1.29	-1.33	1.70	30.00	30.00
			5795	-1.56	-1.16	1.65	30.00	30.00
	MCS9	UNII-1	5190	-3.88	-5.89	-1.76	12.00	-
			5230	-3.03	-5.56	-1.10	12.00	-
		UNII-3	5755	-3.48	-3.47	-0.46	30.00	30.00
			5795	-3.20	-3.15	-0.16	30.00	30.00
ax	MCS0	UNII-1	5190	-2.33	-4.31	-0.20	12.00	-
			5230	-1.35	-4.05	0.52	12.00	-
		UNII-3	5755	-1.87	-2.02	1.07	30.00	30.00
			5795	-1.92	-1.55	1.28	30.00	30.00
	MCS11	UNII-1	5190	-4.11	-5.83	-1.88	12.00	-
			5230	-3.01	-5.62	-1.11	12.00	-
		UNII-3	5755	-3.60	-3.68	-0.63	30.00	30.00
			5795	-3.43	-3.24	-0.32	30.00	30.00

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 53 von 170
Page 53 of 170

Bandwidth:80MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
ac	MCS0	UNII-1	5210	-4.28	-6.61	-2.28	12.00	-
		UNII-3	5775	-12.55	-12.46	-9.49	30.00	30.00
	MCS9	UNII-1	5210	-6.56	-8.55	-4.43	12.00	-
		UNII-3	5775	-14.65	-14.93	-11.78	30.00	30.00
ax	MCS0	UNII-1	5210	-4.42	-6.95	-2.49	12.00	-
		UNII-3	5775	-12.68	-12.90	-9.78	30.00	30.00
	MCS9	UNII-1	5210	-6.63	-9.07	-4.67	12.00	-
		UNII-3	5775	-14.75	-14.98	-11.85	30.00	30.00

Note:

1. This is fixed Point to point AP application and the UNII-1 Band(5150MHz to 5250MHz) only for FCC
2. The Maximum antenna gain is 28dBi in UNII-1 & UNII-3 band. The antenna set has two cross polarized antennas The device employed cyclic delay diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for Power Spectral Density (PSD) measurements on the devices:

- b) *Sectorized antenna systems.* In sectorized antenna systems in which each antenna is used to transmit different data in a different direction from the other antennas, directional gain is equal to the gain of an individual sector antenna.
- c) *Cross-polarized antennas.* For a system in which the antennas have fixed orientations relative to one another that ensure that the antennas are cross-polarized regardless of any user actions, the directional gain is computed as follows.
- (i) *Cross-polarized antennas with $N_{ANT} = 2$.* In the case of a transmitter with only two outputs driving a pair of antennas that are cross-polarized (e.g., vertical and horizontal or left-circular and right-circular), directional gain is the gain of an individual antenna. If the two antennas have different gains, the larger gain applies.

So: Directional Gain = GANT = 28dBi

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 54 von 170

Page 54 of 170

Antenna type & Antenna Gain: Dish Antenna & 35dBi

Bandwidth:20MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
a	6	UNII-1	5180	-12.64	-11.10	-8.79	5.00	-
			5200	-12.60	-11.10	-8.78	5.00	-
			5240	-12.70	-11.18	-8.86	5.00	-
		UNII-3	5745	-0.96	-1.33	1.87	30.00	30.00
			5785	-0.75	0.13	2.72	30.00	30.00
			5825	0.38	0.64	3.52	30.00	30.00
	54	UNII-1	5180	-14.04	-12.81	-10.37	5.00	-
			5200	-13.99	-11.92	-9.82	5.00	-
			5240	-13.21	-12.33	-9.74	5.00	-
		UNII-3	5745	-2.10	-2.04	0.94	30.00	30.00
			5785	-0.93	-0.82	2.14	30.00	30.00
			5825	-0.68	0.24	2.81	30.00	30.00
n	MCS0	UNII-1	5180	-13.03	-11.80	-9.36	5.00	-
			5200	-13.11	-11.67	-9.32	5.00	-
			5240	-13.26	-11.63	-9.36	5.00	-
		UNII-3	5745	-1.68	-2.15	1.10	30.00	30.00
			5785	-1.38	-0.54	2.07	30.00	30.00
			5825	0.01	0.32	3.18	30.00	30.00
	MCS7	UNII-1	5180	-14.91	-13.41	-11.09	5.00	-
			5200	-13.99	-13.87	-10.92	5.00	-
			5240	-1.54	-13.10	-1.25	5.00	-
		UNII-3	5745	-2.80	-3.15	0.04	30.00	30.00
			5785	-2.60	-1.61	0.93	30.00	30.00
			5825	-1.30	-1.20	1.76	30.00	30.00
ac	MCS0	UNII-1	5180	-13.12	-11.50	-9.22	5.00	-
			5200	-11.40	-9.33	-7.23	5.00	-
			5240	-11.74	-9.47	-7.45	5.00	-
		UNII-3	5745	-1.63	-2.00	1.20	30.00	30.00
			5785	-1.43	-0.38	2.14	30.00	30.00
			5825	-0.32	0.03	2.87	30.00	30.00
	MCS8	UNII-1	5180	-14.84	-13.41	-11.06	5.00	-
			5200	-14.86	-13.06	-10.86	5.00	-
			5240	-14.48	-12.97	-10.65	5.00	-
		UNII-3	5745	-2.99	-3.18	-0.07	30.00	30.00
			5785	-2.71	-1.66	0.86	30.00	30.00
			5825	-1.41	-1.07	1.77	30.00	30.00
ax	MCS0	UNII-1	5180	-13.33	-11.82	-9.50	5.00	-
			5200	-13.29	-11.77	-9.45	5.00	-
			5240	-13.31	-12.13	-9.67	5.00	-
		UNII-3	5745	-1.61	-1.95	1.23	30.00	30.00
			5785	-1.25	-0.58	2.11	30.00	30.00
			5825	-0.33	0.08	2.89	30.00	30.00
	MCS9	UNII-1	5180	-15.13	-13.70	-11.35	5.00	-
			5200	-15.08	-13.38	-11.14	5.00	-
			5240	-14.97	-13.44	-11.13	5.00	-
		UNII-3	5745	-3.24	-3.34	-0.28	30.00	30.00
			5785	-2.93	-1.88	0.64	30.00	30.00
			5825	-1.78	-1.39	1.43	30.00	30.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 55 von 170

Page 55 of 170

Bandwidth:40MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
n	MCS0	UNII-1	5190	-15.76	-14.59	-12.13	5.00	-
			5230	-15.99	-14.36	-12.09	5.00	-
		UNII-3	5755	-3.07	-2.75	0.10	30.00	30.00
			5795	-3.33	-2.20	0.28	30.00	30.00
	MCS7	UNII-1	5190	-17.84	-16.51	-14.11	5.00	-
			5230	-17.89	-16.29	-14.01	5.00	-
		UNII-3	5755	-5.16	-4.71	-1.92	30.00	30.00
			5795	-5.12	-4.30	-1.68	30.00	30.00
ac	MCS0	UNII-1	5190	-15.82	-14.49	-12.09	5.00	-
			5230	-16.15	-14.42	-12.19	5.00	-
		UNII-3	5755	-3.22	-2.48	0.18	30.00	30.00
			5795	-3.23	-2.16	0.35	30.00	30.00
	MCS9	UNII-1	5190	-17.86	-16.46	-14.09	5.00	-
			5230	-17.91	-16.34	-14.04	5.00	-
		UNII-3	5755	-5.27	-4.53	-1.87	30.00	30.00
			5795	-5.05	-4.19	-1.59	30.00	30.00
ax	MCS0	UNII-1	5190	-16.12	-14.72	-12.35	5.00	-
			5230	-16.11	-14.54	-12.24	5.00	-
		UNII-3	5755	-3.66	-3.16	-0.39	30.00	30.00
			5795	-3.65	-2.57	-0.07	30.00	30.00
	MCS11	UNII-1	5190	-17.78	-16.29	-13.96	5.00	-
			5230	-17.93	-16.20	-13.97	5.00	-
		UNII-3	5755	-5.38	-4.68	-2.01	30.00	30.00
			5795	-5.32	-4.26	-1.75	30.00	30.00

Bandwidth:80MHz

Mode	Data Rate	Band	Channel Frequency (MHz)	Measured PSD (dBm)	Measured PSD (dBm)	Measured Final PSD with DCCF (dBm)	FCC Limit (dBm)	ISED Limit (dBm)
				Chain-1	Chain-2			
ac	MCS0	UNII-1	5210	-17.96	-16.99	-14.44	5.00	-
		UNII-3	5775	-13.26	-12.62	-9.92	30.00	30.00
	MCS9	UNII-1	5210	-20.68	-19.29	-16.92	5.00	-
		UNII-3	5775	-15.21	-14.88	-12.03	30.00	30.00
ax	MCS0	UNII-1	5210	-18.07	-16.72	-14.33	5.00	-
		UNII-3	5775	-13.25	-13.18	-10.20	30.00	30.00
	MCS9	UNII-1	5210	-20.96	-19.50	-17.16	5.00	-
		UNII-3	5775	-15.43	-14.97	-12.18	30.00	30.00

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 56 von 170

Page 56 of 170

Note:

1. This is fixed Point to point AP application and the UNII-1 Band(5150MHz to 5250MHz) only for FCC
2. The Maximum antenna gain is 35dBi in UNII-1 & UNII-3 band. The antenna set has two cross polarized antennas The device employed cyclic delay diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for Power Spectral Density (PSD) measurements on the devices.

b) *Sectorized antenna systems.* In sectorized antenna systems in which each antenna is used to transmit different data in a different direction from the other antennas, directional gain is equal to the gain of an individual sector antenna.

c) *Cross-polarized antennas.* For a system in which the antennas have fixed orientations relative to one another that ensure that the antennas are cross-polarized regardless of any user actions, the directional gain is computed as follows.

- (i) *Cross-polarized antennas with $N_{ANT} = 2$.* In the case of a transmitter with only two outputs driving a pair of antennas that are cross-polarized (e.g., vertical and horizontal or left-circular and right-circular), directional gain is the gain of an individual antenna. If the two antennas have different gains, the larger gain applies.

So: Directional Gain = GANT = 35dBi

7.4 Spurious Radiated Emissions & Restricted Bands of Operation

Result **Pass**

Test Specification	FCC part 15 Subpart E Section 15.407 (b) (15.205 & 15.209) & RSS 247 Issue 3 Section 6.2.1 & 6.2.4 / RSS Gen Issue 5 Section 8.9 & 8.10
Test Method	ANSI C63.10 – 2013
Measurement Bandwidth	100kHz for below 1GHz 1MHz for above 1GHz
Measurement Location	Semi Anechoic Chamber 30MHz - 1 GHz Fully Anechoic Chamber 1 GHz - 40GHz
Measuring Distance	3 m
Detector	Refer Remark
Requirement	As per the limits mentioned in the below table
Test setup	Refer TEST METHODOLOGY

Limit:

Table 7: Undesirable emission limits

As per FCC Part15 Subaprt E 15.407(b)

- (1) For transmitters operating in the 5.15–5.25 GHz band: All emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.
- (2) For transmitters operating solely in the 5.725–5.850 GHz band:
 - (i) 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.
 - (ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
- (3) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- (4) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in § 15.207.

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 58 von 170
Page 58 of 170

According to RSS-247 Clause 6.2

Frequency range 5150MHz to 5250MHz

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

Frequency range 5745MHz to 5850MHz

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

- a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 59 von 170

Page 59 of 170

Table 8: Transmitter limits for Radiated emission

Frequency (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Distance of Measurement (m)
0.009 – 0.490	2400/F(kHz)	48.50 – 13.80	300*
0.490 – 1.705	24000/F(kHz)	33.80 – 23.00	30*
1.705 -30	30	29.54	30*
30-88	100	40.0	3
88-216	150	43.5	3
216-960	200	46.0	3
Above 960	500	54.0	3

Remark: * The limit shows in the table above of frequency range 0.009 – 0.490, 0.490 – 1.705 MHz and 1.705-30MHz is at 300 meter, 30 meter and 30 meter range respectively, which corresponds to 128.51 – 93.80, 73.80 – 62.96 and 69.54 dBμV/m at 3m range by extrapolation calculation and the measurement of loop antenna.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.

Test Condition:

Normal Test Condition:

Temperature (Norm) = + 23.2 °C

Voltage = 56VDC through POE Injector

Relative humidity: 62 %

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 60 von 170

Page 60 of 170

Test results:

Note: All the losses are included during measurement and final values are mentioned in the test report. Refer TEST METHODOLOGY for more details

Test results for Frequency range : 9kHz – 30MHz

No Emissions found in the frequency range 9kHz – 30MHz

Test results for frequency range 30MHz – 1GHz

Antenna Polarization	Measured Frequency (MHz)	Measured emission (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
Vertical	31.13(QP)	33.91	40.00	-6.09
	36.12(PK)	26.10	40.00	-13.90
	60.27(PK)	29.70	40.00	-10.30
	86.67(QP)	39.09	40.00	-0.91
	412.97(PK)	42.90	46.00	-3.10
	544.02(QP)	42.81	46.00	-3.19
	622.34(QP)	38.61	46.00	-7.39
	636.86(QP)	41.51	46.00	-4.49
Horizontal	31.44(PK)	25.90	40.00	-14.10
	72.24(PK)	24.60	40.00	-15.40
	86.70(QP)	37.13	40.00	-2.87
	181.62(PK)	35.80	43.50	-7.70
	412.30(QP)	44.44	46.00	-1.56
	545.95(QP)	41.18	46.00	-4.82
	569.66(QP)	37.40	46.00	-8.60
	687.53(QP)	43.94	46.00	-2.06

Prüfbericht - Nr.:

IN24MKOD 001

Seite 61 von 170

Test Report No.:

Page 61 of 170

Test results for frequency range – 1GHz to 40 GHz

Antenna Type & Antenna Gain: Omni Antenna & 12dBi

Modulation: 802.11a

Data rate: 6Mbps

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	109.95	-	-
	5180 (Av)		100.57	-	-
	5150 (Pk)		51.32	74.00*	-22.68
	5150 (Av)		37.92	54.00*	-16.08
	10360 (Pk)		52.36	68.23	-15.87
	10360 (Av)		39.92	54.00	-14.08
	15540 (Pk)		54.87	68.23	-13.36
	15540 (Av)		41.24	54.00	-12.76
	5180 (Pk)	Horizontal	106.52	-	-
	5180 (Av)		96.52	-	-
	5150 (Pk)		47.65	74.00*	-26.35
	5150 (Av)		34.03	54.00*	-19.97
	10360 (Pk)		52.49	68.23	-15.74
	10360 (Av)		40.03	54.00	-13.97
	15540 (Pk)		53.47	68.23	-14.76
	15540 (Av)		41.31	54.00	-12.69
5200	5200 (Pk)	Vertical	108.94	-	-
	5200 (Av)		99.61	-	-
	5150 (Pk)		45.34	74.00*	-28.66
	5150 (Av)		32.73	54.00*	-21.27
	10400 (Pk)		52.71	68.23	-15.52
	10400 (Av)		40.49	54.00	-13.51
	15600 (Pk)		51.99	68.23	-16.24
	15600 (Av)		40.42	54.00	-13.58
	5200 (Pk)	Horizontal	104.46	-	-
	5200 (Av)		94.88	-	-
	5150 (Pk)		43.87	74.00*	-30.13
	5150 (Av)		30.82	54.00*	-23.18
	10400 (Pk)		51.95	68.23	-16.28
	10400 (Av)		40.22	54.00	-13.78
	15600 (Pk)		52.26	68.23	-15.97
	15600 (Av)		40.31	54.00	-13.69
5240	5240 (Pk)	Vertical	106.13	-	-
	5240 (Av)		96.68	-	-
	5350 (Pk)		43.76	74.00*	-30.24
	5350 (Av)		31.58	54.00*	-22.42
	10480 (Pk)		52.60	68.23	-15.63
	10480 (Av)		40.65	54.00	-13.35
	15720 (Pk)		51.97	68.23	-16.26
	15720 (Av)		38.88	54.00	-15.12
	5240 (Pk)	Horizontal	110.30	-	-
	5240 (Av)		100.98	-	-
	5350 (Pk)		46.82	74.00*	-27.18
	5350 (Av)		34.23	54.00*	-19.77
	10480 (Pk)		53.26	68.23	-14.97
	10480 (Av)		40.88	54.00	-13.12
	15720 (Pk)		51.27	68.23	-16.96
	15720 (Av)		38.95	54.00	-15.05

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 62 von 170
Page 62 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	105.84	-	-
	5745 (Av)		96.50	-	-
	5725(Pk)		48.59	122.20*	-73.61
	5720(Pk)		46.55	110.80*	-64.25
	5700(Pk)		43.96	105.20*	-61.24
	5650(Pk)		43.81	68.20*	-24.39
	11490 (Pk)		58.08	68.23	-10.15
	11490 (Av)		45.58	54.00	-8.42
	17235 (Pk)		55.90	68.23	-12.33
	17235 (Av)		43.04	54.00	-10.96
	5745 (Pk)	Horizontal	101.78	-	-
	5745 (Av)		92.62	-	-
	5725(Pk)		45.88	122.20*	-76.32
	5720(Pk)		44.28	110.80*	-66.52
	5700(Pk)		42.58	105.20*	-62.62
	5650(Pk)		46.41	68.20*	-21.79
	11490 (Pk)		55.89	68.23	-12.34
	11490 (Av)		43.44	54.00	-10.56
	17235 (Pk)		55.66	68.23	-12.57
	17235 (Av)		42.93	54.00	-11.07
5785	5785 (Pk)	Vertical	105.20	-	-
	5785 (Av)		95.74	-	-
	5725(Pk)		45.50	122.20*	-76.70
	5720(Pk)		43.85	110.80*	-66.95
	5700(Pk)		44.27	105.20*	-60.93
	5650(Pk)		43.76	68.20*	-24.44
	11570 (Pk)		59.41	68.23	-8.82
	11570 (Av)		45.88	54.00	-8.12
	17355 (Pk)		56.17	68.23	-12.06
	17355 (Av)		43.74	54.00	-10.26
	5785 (Pk)	Horizontal	104.11	-	-
	5785 (Av)		94.81	-	-
	5725(Pk)		45.69	122.20*	-76.51
	5720(Pk)		43.28	110.80*	-67.52
	5700(Pk)		43.46	105.20*	-61.74
	5650(Pk)		43.06	68.20*	-25.14
	11570 (Pk)		56.10	68.23	-12.13
	11570 (Av)		43.67	54.00	-10.33
	17355 (Pk)		56.47	68.23	-11.76
	17355 (Av)		43.80	54.00	-10.20
5825	5825 (Pk)	Vertical	104.94	-	-
	5825 (Av)		95.39	-	-
	5850 (Pk)		48.37	122.20*	-73.83
	5855(Pk)		46.60	110.80*	-64.20
	5875(Pk)		44.03	105.20*	-61.17
	5925 (Pk)		44.29	68.20*	-23.91
	11650 (Pk)		60.88	68.23	-7.35
	11650 (Av)		47.15	54.00	-6.85
	17475 (Pk)		57.05	68.23	-11.18
	17475 (Av)		44.87	54.00	-9.13
	5825 (Pk)	Horizontal	105.51	-	-
	5825 (Av)		96.19	-	-
	5850 (Pk)		48.10	122.20*	-74.10
	5855(Pk)		46.78	110.80*	-64.02
	5875(Pk)		44.68	105.20*	-60.52
	5925 (Pk)		45.89	68.20*	-22.31
	11650 (Pk)		58.98	68.23	-9.25
	11650 (Av)		45.93	54.00	-8.07
	17475 (Pk)		56.89	68.23	-11.34
	17475 (Av)		44.91	54.00	-9.09

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 63 von 170

Page 63 of 170

Modulation: 802.11n

Data rate: MCS7

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	109.58	-	-
	5180 (Av)		97.74	-	-
	5150 (Pk)		50.92	74.00*	-23.08
	5150 (Av)		38.32	54.00*	-15.68
	10360 (Pk)		52.51	68.23	-15.72
	10360 (Av)		40.09	54.00	-13.91
	15540 (Pk)		52.99	68.23	-15.24
	15540 (Av)		41.27	54.00	-12.73
	5180 (Pk)	Horizontal	105.36	-	-
	5180 (Av)		94.01	-	-
	5150 (Pk)		47.38	74.00*	-26.62
	5150 (Av)		34.62	54.00*	-19.38
	10360 (Pk)		52.08	68.23	-16.15
	10360 (Av)		40.08	54.00	-13.92
	15540 (Pk)		53.05	68.23	-15.18
	15540 (Av)		41.24	54.00	-12.76
5200	5200 (Pk)	Vertical	109.38	-	-
	5200 (Av)		97.96	-	-
	5150 (Pk)		47.13	74.00*	-26.87
	5150 (Av)		34.43	54.00*	-19.57
	10400 (Pk)		53.89	68.23	-14.34
	10400 (Av)		40.44	54.00	-13.56
	15600 (Pk)		52.41	68.23	-15.82
	15600 (Av)		40.25	54.00	-13.75
	5200 (Pk)	Horizontal	104.61	-	-
	5200 (Av)		93.14	-	-
	5150 (Pk)		44.49	74.00*	-29.51
	5150 (Av)		31.94	54.00*	-22.06
	10400 (Pk)		52.37	68.23	-15.86
	10400 (Av)		40.42	54.00	-13.58
	15600 (Pk)		52.77	68.23	-15.46
	15600 (Av)		40.25	54.00	-13.75
5240	5240 (Pk)	Vertical	110.91	-	-
	5240 (Av)		99.22	-	-
	5350 (Pk)		48.20	74.00*	-25.80
	5350 (Av)		34.76	54.00*	-19.24
	10480 (Pk)		52.94	68.23	-15.29
	10480 (Av)		40.87	54.00	-13.13
	15720 (Pk)		50.86	68.23	-17.37
	15720 (Av)		38.90	54.00	-15.10
	5240 (Pk)	Horizontal	105.78	-	-
	5240 (Av)		94.57	-	-
	5350 (Pk)		45.26	74.00*	-28.74
	5350 (Av)		31.90	54.00*	-22.10
	10480 (Pk)		52.47	68.23	-15.76
	10480 (Av)		40.89	54.00	-13.11
	15720 (Pk)		51.87	68.23	-16.36
	15720 (Av)		38.88	54.00	-15.12

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 64 von 170
Page 64 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	106.46	-	-
	5745 (Av)		94.42	-	-
	5725(Pk)		58.56	122.20*	-63.64
	5720(Pk)		53.36	110.80*	-57.44
	5700(Pk)		45.74	105.20*	-59.46
	5650(Pk)		44.44	68.20*	-23.76
	11490 (Pk)		57.91	68.23	-10.32
	11490 (Av)		45.00	54.00	-9.00
	17235 (Pk)		54.87	68.23	-13.36
	17235 (Av)		42.64	54.00	-11.36
	5745 (Pk)	Horizontal	101.65	-	-
	5745 (Av)		90.30	-	-
	5725(Pk)		54.26	122.20*	-67.94
	5720(Pk)		47.91	110.80*	-62.89
	5700(Pk)		43.48	105.20*	-61.72
	5650(Pk)		45.53	68.20*	-22.67
	11490 (Pk)		55.08	68.23	-13.15
	11490 (Av)		43.07	54.00	-10.93
	17235 (Pk)		54.84	68.23	-13.39
	17235 (Av)		42.60	54.00	-11.40
5785	5785 (Pk)	Vertical	105.91	-	-
	5785 (Av)		93.76	-	-
	5725(Pk)		48.37	122.20*	-73.83
	5720(Pk)		43.68	110.80*	-67.12
	5700(Pk)		44.75	105.20*	-60.45
	5650(Pk)		44.43	68.20*	-23.77
	11570 (Pk)		60.67	68.23	-7.56
	11570 (Av)		46.80	54.00	-7.20
	17355 (Pk)		56.47	68.23	-11.76
	17355 (Av)		43.69	54.00	-10.31
	5785 (Pk)	Horizontal	103.19	-	-
	5785 (Av)		92.32	-	-
	5725(Pk)		45.25	122.20*	-76.95
	5720(Pk)		44.19	110.80*	-66.61
	5700(Pk)		43.04	105.20*	-62.16
	5650(Pk)		43.51	68.20*	-24.69
	11570 (Pk)		65.10	68.23	-3.13
	11570 (Av)		50.63	54.00	-3.37
	17355 (Pk)		55.97	68.23	-12.26
	17355 (Av)		43.63	54.00	-10.37
5825	5825 (Pk)	Vertical	105.34	-	-
	5825 (Av)		93.55	-	-
	5850 (Pk)		54.96	122.20*	-67.24
	5855(Pk)		52.05	110.80*	-58.75
	5875(Pk)		45.20	105.20*	-60.00
	5925 (Pk)		44.83	68.20*	-23.37
	11650 (Pk)		61.39	68.23	-6.84
	11650 (Av)		48.52	54.00	-5.48
	17475 (Pk)		57.43	68.23	-10.80
	17475 (Av)		44.88	54.00	-9.12
	5825 (Pk)	Horizontal	105.61	-	-
	5825 (Av)		93.75	-	-
	5850 (Pk)		53.91	122.20*	-68.29
	5855(Pk)		54.83	110.80*	-55.97
	5875(Pk)		46.31	105.20*	-58.89
	5925 (Pk)		47.76	68.20*	-20.44
	11650 (Pk)		58.41	68.23	-9.82
	11650 (Av)		45.18	54.00	-8.82
	17475 (Pk)		56.98	68.23	-11.25
	17475 (Av)		44.88	54.00	-9.12

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 65 von 170

Page 65 of 170

Modulation: 802.11ac

Data rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	110.70	-	-
	5180 (Av)		99.86	-	-
	5150 (Pk)		51.27	74.00*	-22.73
	5150 (Av)		38.00	54.00*	-16.00
	10360 (Pk)		51.99	68.23	-16.24
	10360 (Av)		40.03	54.00	-13.97
	15540 (Pk)		53.32	68.23	-14.91
	15540 (Av)		41.16	54.00	-12.84
	5180 (Pk)	Horizontal	106.60	-	-
	5180 (Av)		95.92	-	-
	5150 (Pk)		47.23	74.00*	-26.77
	5150 (Av)		34.16	54.00*	-19.84
	10360 (Pk)		51.39	68.23	-16.84
	10360 (Av)		40.03	54.00	-13.97
	15540 (Pk)		52.96	68.23	-15.27
	15540 (Av)		41.17	54.00	-12.83
5200	5200 (Pk)	Vertical	111.16	-	-
	5200 (Av)		99.86	-	-
	5150 (Pk)		46.67	74.00*	-27.33
	5150 (Av)		34.63	54.00*	-19.37
	10400 (Pk)		52.49	68.23	-15.74
	10400 (Av)		40.48	54.00	-13.52
	15600 (Pk)		52.17	68.23	-16.06
	15600 (Av)		40.24	54.00	-13.76
	5200 (Pk)	Horizontal	106.70	-	-
	5200 (Av)		95.65	-	-
	5150 (Pk)		44.24	74.00*	-29.76
	5150 (Av)		31.92	54.00*	-22.08
	10400 (Pk)		52.57	68.23	-15.66
	10400 (Av)		40.38	54.00	-13.62
	15600 (Pk)		51.89	68.23	-16.34
	15600 (Av)		40.23	54.00	-13.77
5240	5240 (Pk)	Vertical	111.85	-	-
	5240 (Av)		101.22	-	-
	5350 (Pk)		47.80	74.00*	-26.20
	5350 (Av)		34.41	54.00*	-19.59
	10480 (Pk)		53.20	68.23	-15.03
	10480 (Av)		40.88	54.00	-13.12
	15720 (Pk)		50.79	68.23	-17.44
	15720 (Av)		38.87	54.00	-15.13
	5240 (Pk)	Horizontal	107.73	-	-
	5240 (Av)		96.55	-	-
	5350 (Pk)		44.88	74.00*	-29.12
	5350 (Av)		31.91	54.00*	-22.09
	10480 (Pk)		52.70	68.23	-15.53
	10480 (Av)		40.85	54.00	-13.15
	15720 (Pk)		50.69	68.23	-17.54
	15720 (Av)		38.91	54.00	-15.09

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 66 von 170
Page 66 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	106.14	-	-
	5745 (Av)		95.25	-	-
	5725(Pk)		49.14	122.20*	-73.06
	5720(Pk)		46.29	110.80*	-64.51
	5700(Pk)		45.56	105.20*	-59.64
	5650(Pk)		44.47	68.20*	-23.73
	11490 (Pk)		57.84	68.23	-10.39
	11490 (Av)		44.30	54.00	-9.70
	17235 (Pk)		54.87	68.23	-13.36
	17235 (Av)		42.61	54.00	-11.39
	5745 (Pk)	Horizontal	101.41	-	-
	5745 (Av)		90.88	-	-
	5725(Pk)		45.61	122.20*	-76.59
	5720(Pk)		44.32	110.80*	-66.48
	5700(Pk)		43.16	105.20*	-62.04
	5650(Pk)		46.01	68.20*	-22.19
	11490 (Pk)		55.61	68.23	-12.62
	11490 (Av)		43.14	54.00	-10.86
	17235 (Pk)		55.04	68.23	-13.19
	17235 (Av)		42.63	54.00	-11.37
5785	5785 (Pk)	Vertical	104.86	-	-
	5785 (Av)		94.24	-	-
	5725(Pk)		46.18	122.20*	-76.02
	5720(Pk)		43.06	110.80*	-67.74
	5700(Pk)		43.47	105.20*	-61.73
	5650(Pk)		43.84	68.20*	-24.36
	11570 (Pk)		57.73	68.23	-10.50
	11570 (Av)		44.52	54.00	-9.48
	17355 (Pk)		56.97	68.23	-11.26
	17355 (Av)		43.69	54.00	-10.31
	5785 (Pk)	Horizontal	104.19	-	-
	5785 (Av)		93.36	-	-
	5725(Pk)		45.05	122.20*	-77.15
	5720(Pk)		42.98	110.80*	-67.82
	5700(Pk)		42.96	105.20*	-62.24
	5650(Pk)		43.46	68.20*	-24.74
	11570 (Pk)		55.98	68.23	-12.25
	11570 (Av)		43.45	54.00	-10.55
	17355 (Pk)		55.27	68.23	-12.96
	17355 (Av)		43.68	54.00	-10.32
5825	5825 (Pk)	Vertical	104.54	-	-
	5825 (Av)		93.97	-	-
	5850 (Pk)		47.23	122.20*	-74.97
	5855(Pk)		46.41	110.80*	-64.39
	5875(Pk)		44.38	105.20*	-60.82
	5925 (Pk)		44.84	68.20*	-23.36
	11650 (Pk)		61.90	68.23	-6.33
	11650 (Av)		48.34	54.00	-5.66
	17475 (Pk)		56.64	68.23	-11.59
	17475 (Av)		44.77	54.00	-9.23
	5825 (Pk)	Horizontal	106.34	-	-
	5825 (Av)		95.18	-	-
	5850 (Pk)		46.80	122.20*	-75.40
	5855(Pk)		46.53	110.80*	-64.27
	5875(Pk)		45.79	105.20*	-59.41
	5925 (Pk)		47.40	68.20*	-20.80
	11650 (Pk)		58.86	68.23	-9.37
	11650 (Av)		45.23	54.00	-8.77
	17475 (Pk)		57.15	68.23	-11.08
	17475 (Av)		44.81	54.00	-9.19

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 67 von 170

Page 67 of 170

Modulation: 802.11ax

Data rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	112.28	-	-
	5180 (Av)		99.14	-	-
	5150 (Pk)		50.47	74.00*	-23.53
	5150 (Av)		38.11	54.00*	-15.89
	10360 (Pk)		52.28	68.23	-15.95
	10360 (Av)		40.05	54.00	-13.95
	15540 (Pk)		53.79	68.23	-14.44
	15540 (Av)		41.36	54.00	-12.64
	5180 (Pk)	Horizontal	109.17	-	-
	5180 (Av)		96.24	-	-
	5150 (Pk)		47.84	74.00*	-26.16
	5150 (Av)		34.33	54.00*	-19.67
	10360 (Pk)		52.18	68.23	-16.05
	10360 (Av)		40.00	54.00	-14.00
	15540 (Pk)		53.77	68.23	-14.46
	15540 (Av)		41.22	54.00	-12.78
5200	5200 (Pk)	Vertical	112.98	-	-
	5200 (Av)		99.96	-	-
	5150 (Pk)		47.63	74.00*	-26.37
	5150 (Av)		34.60	54.00*	-19.40
	10400 (Pk)		53.53	68.23	-14.70
	10400 (Av)		40.45	54.00	-13.55
	15600 (Pk)		52.33	68.23	-15.90
	15600 (Av)		40.32	54.00	-13.68
	5200 (Pk)	Horizontal	108.61	-	-
	5200 (Av)		95.50	-	-
	5150 (Pk)		44.64	74.00*	-29.36
	5150 (Av)		31.96	54.00*	-22.04
	10400 (Pk)		52.43	68.23	-15.80
	10400 (Av)		40.39	54.00	-13.61
	15600 (Pk)		52.36	68.23	-15.87
	15600 (Av)		40.25	54.00	-13.75
5240	5240 (Pk)	Vertical	114.56	-	-
	5240 (Av)		101.06	-	-
	5350 (Pk)		46.52	74.00*	-27.48
	5350 (Av)		34.20	54.00*	-19.80
	10480 (Pk)		52.58	68.23	-15.65
	10480 (Av)		40.93	54.00	-13.07
	15720 (Pk)		51.41	68.23	-16.82
	15720 (Av)		38.90	54.00	-15.10
	5240 (Pk)	Horizontal	109.48	-	-
	5240 (Av)		96.79	-	-
	5350 (Pk)		44.28	74.00*	-29.72
	5350 (Av)		31.90	54.00*	-22.10
	10480 (Pk)		52.77	68.23	-15.46
	10480 (Av)		40.94	54.00	-13.06
	15720 (Pk)		50.41	68.23	-17.82
	15720 (Av)		38.91	54.00	-15.09

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 68 von 170
Page 68 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	108.63	-	-
	5745 (Av)		95.20	-	-
	5725(Pk)		50.73	122.20*	-71.47
	5720(Pk)		47.09	110.80*	-63.71
	5700(Pk)		45.19	105.20*	-60.01
	5650(Pk)		44.57	68.20*	-23.63
	11490 (Pk)		55.66	68.23	-12.57
	11490 (Av)		43.61	54.00	-10.39
	17235 (Pk)		54.43	68.23	-13.80
	17235 (Av)		42.59	54.00	-11.41
	5745 (Pk)	Horizontal	104.48	-	-
	5745 (Av)		90.91	-	-
	5725(Pk)		47.57	122.20*	-74.63
	5720(Pk)		44.24	110.80*	-66.56
	5700(Pk)		43.70	105.20*	-61.50
	5650(Pk)		46.87	68.20*	-21.33
	11490 (Pk)		55.34	68.23	-12.89
	11490 (Av)		43.19	54.00	-10.81
	17235 (Pk)		55.02	68.23	-13.21
	17235 (Av)		42.60	54.00	-11.40
5785	5785 (Pk)	Vertical	107.86	-	-
	5785 (Av)		94.52	-	-
	5725(Pk)		47.90	122.20*	-74.30
	5720(Pk)		43.45	110.80*	-67.35
	5700(Pk)		43.99	105.20*	-61.21
	5650(Pk)		43.80	68.20*	-24.40
	11570 (Pk)		56.43	68.23	-11.80
	11570 (Av)		43.97	54.00	-10.03
	17355 (Pk)		55.88	68.23	-12.35
	17355 (Av)		43.67	54.00	-10.33
	5785 (Pk)	Horizontal	106.94	-	-
	5785 (Av)		93.42	-	-
	5725(Pk)		44.98	122.20*	-77.22
	5720(Pk)		42.88	110.80*	-67.92
	5700(Pk)		43.00	105.20*	-62.20
	5650(Pk)		43.27	68.20*	-24.93
	11570 (Pk)		56.02	68.23	-12.21
	11570 (Av)		43.41	54.00	-10.59
	17355 (Pk)		55.58	68.23	-12.65
	17355 (Av)		43.69	54.00	-10.31
5825	5825 (Pk)	Vertical	108.33	-	-
	5825 (Av)		94.66	-	-
	5850 (Pk)		49.95	122.20*	-72.25
	5855(Pk)		48.31	110.80*	-62.49
	5875(Pk)		45.13	105.20*	-60.07
	5925 (Pk)		44.93	68.20*	-23.27
	11650 (Pk)		55.33	68.23	-12.90
	11650 (Av)		43.07	54.00	-10.93
	17475 (Pk)		57.21	68.23	-11.02
	17475 (Av)		44.86	54.00	-9.14
	5825 (Pk)	Horizontal	108.95	-	-
	5825 (Av)		95.58	-	-
	5850 (Pk)		48.88	122.20*	-73.32
	5855(Pk)		48.70	110.80*	-62.10
	5875(Pk)		45.81	105.20*	-59.39
	5925 (Pk)		47.42	68.20*	-20.78
	11650 (Pk)		61.11	68.23	-7.12
	11650 (Av)		45.89	54.00	-8.11
	17475 (Pk)		56.70	68.23	-11.53
	17475 (Av)		44.88	54.00	-9.12

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 69 von 170

Page 69 of 170

Channel Bandwidth: 40MHz

Modulation: 802.11n

Data rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	106.27	-	-
	5190 (Av)		95.55	-	-
	5150 (Pk)		53.81	74.00*	-20.19
	5150 (Av)		40.46	54.00*	-13.54
	10380 (Pk)		52.77	68.23	-15.46
	10380 (Av)		40.18	54.00	-13.82
	15570 (Pk)		55.06	68.23	-13.17
	15570 (Av)		42.15	54.00	-11.85
	5190 (Pk)	Horizontal	101.60	-	-
	5190 (Av)		91.36	-	-
	5150 (Pk)		46.04	74.00*	-27.96
	5150 (Av)		33.47	54.00*	-20.53
	10380 (Pk)		52.32	68.23	-15.91
	10380 (Av)		40.19	54.00	-13.81
	15570 (Pk)		53.99	68.23	-14.24
	15570 (Av)		42.11	54.00	-11.89
5230	5230 (Pk)	Vertical	109.58	-	-
	5230 (Av)		99.58	-	-
	5350 (Pk)		46.59	74.00*	-27.41
	5350 (Av)		34.69	54.00*	-19.31
	10460 (Pk)		52.72	68.23	-15.51
	10460 (Av)		40.76	54.00	-13.24
	15690 (Pk)		53.76	68.23	-14.47
	15690 (Av)		41.76	54.00	-12.24
	5230 (Pk)	Horizontal	106.35	-	-
	5230 (Av)		95.84	-	-
	5350 (Pk)		44.49	74.00*	-29.51
	5350 (Av)		32.10	54.00*	-21.90
	10460 (Pk)		53.51	68.23	-14.72
	10460 (Av)		40.81	54.00	-13.19
	15690 (Pk)		54.06	68.23	-14.17
	15690 (Av)		41.72	54.00	-12.28

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 70 von 170
Page 70 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	105.10	-	-
	5755 (Av)		93.34	-	-
	5725(Pk)		52.62	122.20*	-69.58
	5720(Pk)		47.53	110.80*	-63.27
	5700(Pk)		46.83	105.20*	-58.37
	5650(Pk)		44.08	68.20*	-24.12
	11510 (Pk)		56.31	68.23	-11.92
	11510 (Av)		43.09	54.00	-10.91
	17265 (Pk)		54.56	68.23	-13.67
	17265 (Av)		42.62	54.00	-11.38
	5755 (Pk)	Horizontal	100.82	-	-
	5755 (Av)		89.93	-	-
	5725(Pk)		48.00	122.20*	-74.20
	5720(Pk)		46.92	110.80*	-63.88
	5700(Pk)		44.13	105.20*	-61.07
	5650(Pk)		44.56	68.20*	-23.64
	11510 (Pk)		55.65	68.23	-12.58
	11510 (Av)		43.33	54.00	-10.67
	17265 (Pk)		54.43	68.23	-13.80
	17265 (Av)		42.60	54.00	-11.40
5795	5795 (Pk)	Vertical	103.66	-	-
	5795 (Av)		91.73	-	-
	5850 (Pk)		46.26	122.20*	-75.94
	5855(Pk)		45.69	110.80*	-65.11
	5875(Pk)		44.16	105.20*	-61.04
	5925 (Pk)		45.46	68.20*	-22.74
	11590 (Pk)		54.75	68.23	-13.48
	11590 (Av)		43.10	54.00	-10.90
	17385 (Pk)		54.99	68.23	-13.24
	17385 (Pk)		43.40	54.00	-10.60
	5795 (Pk)	Horizontal	101.83	-	-
	5795 (Av)		91.11	-	-
	5850 (Pk)		45.70	122.20*	-76.50
	5855(Pk)		46.06	110.80*	-64.74
	5875(Pk)		45.48	105.20*	-59.72
	5925 (Pk)		44.41	68.20*	-23.79
	11590 (Pk)		55.58	68.23	-12.65
	11590 (Av)		43.08	54.00	-10.92
	17385 (Pk)		56.17	68.23	-12.06
	17385 (Av)		43.42	54.00	-10.58

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 71 von 170
Page 71 of 170

Modulation: 802.11ac

Data Rate: MCS8

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	104.86	-	-
	5190 (Av)		94.45	-	-
	5150 (Pk)		52.34	74.00*	-21.66
	5150 (Av)		37.97	54.00*	-16.03
	10380 (Pk)		52.08	68.23	-16.15
	10380 (Av)		40.18	54.00	-13.82
	15570 (Pk)		54.88	68.23	-13.35
	15570 (Av)		42.14	54.00	-11.86
	5190 (Pk)	Horizontal	100.47	-	-
	5190 (Av)		90.31	-	-
	5150 (Pk)		45.03	74.00*	-28.97
	5150 (Av)		32.20	54.00*	-21.80
	10380 (Pk)		52.24	68.23	-15.99
	10380 (Av)		40.10	54.00	-13.90
	15570 (Pk)		55.30	68.23	-12.93
	15570 (Av)		42.17	54.00	-11.83
5230	5230 (Pk)	Vertical	110.09	-	-
	5230 (Av)		99.72	-	-
	5350 (Pk)		47.17	74.00*	-26.83
	5350 (Av)		34.63	54.00*	-19.37
	10460 (Pk)		52.39	68.23	-15.84
	10460 (Av)		40.71	54.00	-13.29
	15690 (Pk)		53.49	68.23	-14.74
	15690 (Av)		41.83	54.00	-12.17
	5230 (Pk)	Horizontal	106.00	-	-
	5230 (Av)		95.78	-	-
	5350 (Pk)		44.64	74.00*	-29.36
	5350 (Av)		32.04	54.00*	-21.96
	10460 (Pk)		52.71	68.23	-15.52
	10460 (Av)		40.71	54.00	-13.29
	15690 (Pk)		54.03	68.23	-14.20
	15690 (Av)		41.76	54.00	-12.24

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 72 von 170
Page 72 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	104.30	-	-
	5755 (Av)		93.99	-	-
	5725(Pk)		52.80	122.20*	-69.40
	5720(Pk)		48.47	110.80*	-62.33
	5700(Pk)		45.32	105.20*	-59.88
	5650(Pk)		43.98	68.20*	-24.22
	11510 (Pk)		55.17	68.23	-13.06
	11510 (Av)		43.60	54.00	-10.40
	17265 (Pk)		55.10	68.23	-13.13
	17265 (Av)		42.58	54.00	-11.42
	5755 (Pk)	Horizontal	100.67	-	-
	5755 (Av)		90.52	-	-
	5725(Pk)		47.69	122.20*	-74.51
	5720(Pk)		46.84	110.80*	-63.96
	5700(Pk)		43.57	105.20*	-61.63
	5650(Pk)		44.40	68.20*	-23.80
	11510 (Pk)		55.90	68.23	-12.33
	11510 (Av)		43.20	54.00	-10.80
	17265 (Pk)		54.87	68.23	-13.36
	17265 (Av)		42.58	54.00	-11.42
5795	5795 (Pk)	Vertical	103.11	-	-
	5795 (Av)		92.39	-	-
	5850 (Pk)		46.32	122.20*	-75.88
	5855(Pk)		45.87	110.80*	-64.93
	5875(Pk)		44.18	105.20*	-61.02
	5925 (Pk)		44.47	68.20*	-23.73
	11590 (Pk)		55.10	68.23	-13.13
	11590 (Av)		42.92	54.00	-11.08
	17385 (Pk)		55.47	68.23	-12.76
	17385 (Pk)		43.44	54.00	-10.56
	5795 (Pk)	Horizontal	101.93	-	-
	5795 (Av)		91.85	-	-
	5850 (Pk)		47.20	122.20*	-75.00
	5855(Pk)		46.27	110.80*	-64.53
	5875(Pk)		44.87	105.20*	-60.33
	5925 (Pk)		44.98	68.20*	-23.22
	11590 (Pk)		56.10	68.23	-12.13
	11590 (Av)		43.40	54.00	-10.60
	17385 (Pk)		55.49	68.23	-12.74
	17385 (Av)		43.41	54.00	-10.59

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 73 von 170

Page 73 of 170

Modulation: 802.11ax

Data rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	110.76	-	-
	5190 (Av)		95.91	-	-
	5150 (Pk)		57.77	74.00*	-16.23
	5150 (Av)		42.20	54.00*	-11.80
	10380 (Pk)		51.97	68.23	-16.26
	10380 (Av)		40.15	54.00	-13.85
	15570 (Pk)		54.71	68.23	-13.52
	15570 (Av)		42.26	54.00	-11.74
	5190 (Pk)	Horizontal	108.38	-	-
	5190 (Av)		94.62	-	-
	5150 (Pk)		53.75	74.00*	-20.25
	5150 (Av)		37.82	54.00*	-16.18
	10380 (Pk)		52.01	68.23	-16.22
	10380 (Av)		40.11	54.00	-13.89
	15570 (Pk)		54.42	68.23	-13.81
	15570 (Av)		42.25	54.00	-11.75
5230	5230 (Pk)	Vertical	111.82	-	-
	5230 (Av)		98.15	-	-
	5350 (Pk)		45.14	74.00*	-28.86
	5350 (Av)		32.91	54.00*	-21.09
	10460 (Pk)		53.26	68.23	-14.97
	10460 (Av)		40.79	54.00	-13.21
	15690 (Pk)		53.95	68.23	-14.28
	15690 (Av)		41.87	54.00	-12.13
	5230 (Pk)	Horizontal	108.80	-	-
	5230 (Av)		95.40	-	-
	5350 (Pk)		44.71	74.00*	-29.29
	5350 (Av)		32.20	54.00*	-21.80
	10460 (Pk)		53.64	68.23	-14.59
	10460 (Av)		40.75	54.00	-13.25
	15690 (Pk)		54.09	68.23	-14.14
	15690 (Av)		41.83	54.00	-12.17

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 74 von 170
Page 74 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	106.82	-	-
	5755 (Av)		93.75	-	-
	5725(Pk)		51.70	122.20*	-70.50
	5720(Pk)		49.97	110.80*	-60.83
	5700(Pk)		46.17	105.20*	-59.03
	5650(Pk)		45.03	68.20*	-23.17
	11510 (Pk)		55.69	68.23	-12.54
	11510 (Av)		43.76	54.00	-10.24
	17265 (Pk)		54.56	68.23	-13.67
	17265 (Av)		42.59	54.00	-11.41
	5755 (Pk)	Horizontal	103.61	-	-
	5755 (Av)		90.13	-	-
	5725(Pk)		47.22	122.20*	-74.98
	5720(Pk)		46.81	110.80*	-63.99
	5700(Pk)		43.32	105.20*	-61.88
	5650(Pk)		43.67	68.20*	-24.53
	11510 (Pk)		55.82	68.23	-12.41
	11510 (Av)		43.16	54.00	-10.84
	17265 (Pk)		54.39	68.23	-13.84
	17265 (Av)		42.64	54.00	-11.36
5795	5795 (Pk)	Vertical	105.61	-	-
	5795 (Av)		91.97	-	-
	5850 (Pk)		47.15	122.20*	-75.05
	5855(Pk)		48.47	110.80*	-62.33
	5875(Pk)		44.45	105.20*	-60.75
	5925 (Pk)		44.25	68.20*	-23.95
	11590 (Pk)		55.99	68.23	-12.24
	11590 (Av)		43.10	54.00	-10.90
	17385 (Pk)		55.90	68.23	-12.33
	17385 (Pk)		43.42	54.00	-10.58
	5795 (Pk)	Horizontal	105.25	-	-
	5795 (Av)		91.47	-	-
	5850 (Pk)		46.66	122.20*	-75.54
	5855(Pk)		47.52	110.80*	-63.28
	5875(Pk)		44.88	105.20*	-60.32
	5925 (Pk)		44.97	68.20*	-23.23
	11590 (Pk)		54.98	68.23	-13.25
	11590 (Av)		43.12	54.00	-10.88
	17385 (Pk)		55.42	68.23	-12.81
	17385 (Av)		43.45	54.00	-10.55

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 75 von 170

Page 75 of 170

Channel Bandwidth: 80MHz

Modulation: 802.11ac

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5210	5210 (Pk)	Vertical	105.33	-	-
	5210 (Av)		94.69	-	-
	5150 (Pk)		56.41	74.00*	-17.59
	5150 (Av)		43.45	54.00*	-10.55
	10420 (Pk)		51.79	68.23	-16.44
	10420 (Av)		40.30	54.00	-13.70
	15630 (Pk)		54.02	68.23	-14.21
	15630 (Av)		41.33	54.00	-12.67
	5210 (Pk)	Horizontal	102.38	-	-
	5210 (Av)		91.67	-	-
	5150 (Pk)		52.58	74.00*	-21.42
	5150 (Av)		39.14	54.00*	-14.86
	10420 (Pk)		51.94	68.23	-16.29
	10420 (Av)		40.31	54.00	-13.69
	15630 (Pk)		53.98	68.23	-14.25
	15630 (Av)		41.35	54.00	-12.65
5775	5775 (Pk)	Vertical	101.41	-	-
	5775 (Pk)		90.30	-	-
	5850 (Pk)		48.21	122.20*	-73.99
	5855 (Pk)		46.82	110.80*	-63.98
	5875 (Pk)		45.32	105.20*	-59.88
	5925 (Pk)		44.66	68.20*	-23.54
	11550 (Pk)		54.49	68.23	-13.74
	11550 (Av)		42.97	54.00	-11.03
	17325 (Pk)		54.28	68.23	-13.95
	17325 (Av)		42.68	54.00	-11.32
	5775 (Pk)	Horizontal	99.22	-	-
	5775 (Pk)		88.59	-	-
	5850 (Pk)		46.63	122.20*	-75.57
	5855 (Pk)		48.76	110.80*	-62.04
	5875 (Pk)		47.15	105.20*	-58.05
	5925 (Pk)		44.50	68.20*	-23.70
	11550 (Av)		55.72	68.23	-12.51
	11550 (Pk)		42.91	54.00	-11.09
	17325 (Pk)		54.48	68.23	-13.75
	17325 (Av)		42.73	54.00	-11.27

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 76 von 170
Page 76 of 170

Modulation: 802.11ax
Data rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5210	5210 (Pk)	Vertical	107.96	-	-
	5210 (Av)		94.43	-	-
	5150 (Pk)		56.63	74.00*	-17.37
	5150 (Av)		43.43	54.00*	-10.57
	10420 (Pk)		52.52	68.23	-15.71
	10420 (Av)		40.37	54.00	-13.63
	15630 (Pk)		53.34	68.23	-14.89
	15630 (Av)		41.39	54.00	-12.61
	5210 (Pk)	Horizontal	104.80	-	-
	5210 (Av)		91.73	-	-
	5150 (Pk)		52.14	74.00*	-21.86
	5150 (Av)		39.26	54.00*	-14.74
	10420 (Pk)		52.66	68.23	-15.57
	10420 (Av)		40.38	54.00	-13.62
	15630 (Pk)		53.52	68.23	-14.71
	15630 (Av)		41.40	54.00	-12.60
5775	5775 (Pk)	Vertical	103.74	-	-
	5775 (Pk)		90.03	-	-
	5850 (Pk)		47.83	122.20*	-74.37
	5855 (Pk)		47.05	110.80*	-63.75
	5875 (Pk)		44.60	105.20*	-60.60
	5925 (Pk)		44.44	68.20*	-23.76
	11550 (Pk)		55.00	68.23	-13.23
	11550 (Av)		42.94	54.00	-11.06
	17325 (Pk)		55.36	68.23	-12.87
	17325 (Av)		42.67	54.00	-11.33
	5775 (Pk)	Horizontal	101.73	-	-
	5775 (Pk)		88.57	-	-
	5850 (Pk)		48.22	122.20*	-73.98
	5855 (Pk)		49.53	110.80*	-62.70
	5875 (Pk)		48.10	105.20*	-60.07
	5925 (Pk)		45.13	68.20*	-23.07
	11550 (Pk)		56.26	68.23	-11.97
	11550 (Av)		42.89	54.00	-11.11
	17325 (Pk)		55.38	68.23	-12.85
	17325 (Av)		42.67	54.00	-11.33

Note:

* : Indicate restricted band frequency in 15.205
Pk: Peak Detector; Av: Average Detector

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 77 von 170

Page 77 of 170

Antenna Type & Antenna Gain: Integrated Panel Antenna & 15dBi

Channel Bandwidth: 20MHz

Modulation: 802.11a

Data Rate: 6Mbps

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	115.73	-	-
	5180 (Av)		107.33	-	-
	5150 (Pk)		61.75	74.00*	-12.25
	5150 (Av)		47.56	54.00*	-6.44
	10360 (Pk)		55.45	68.23	-12.78
	10360 (Av)		41.49	54.00	-12.51
	15540 (Pk)		54.07	68.23	-14.16
	15540 (Av)		41.83	54.00	-12.17
	5180 (Pk)	Horizontal	116.91	-	-
	5180 (Av)		107.05	-	-
	5150 (Pk)		59.49	74.00*	-14.51
	5150 (Av)		46.29	54.00*	-7.71
	10360 (Pk)		52.37	68.23	-15.86
	10360 (Av)		40.94	54.00	-13.06
	15540 (Pk)		53.69	68.23	-14.54
	15540 (Av)		41.77	54.00	-12.23
5200	5200 (Pk)	Vertical	115.54	-	-
	5200 (Av)		106.51	-	-
	5150 (Pk)		52.68	74.00*	-21.32
	5150 (Av)		38.83	54.00*	-15.17
	10400 (Pk)		53.96	68.23	-14.27
	10400 (Av)		42.43	54.00	-11.57
	15600 (Pk)		54.09	68.23	-14.14
	15600 (Av)		41.45	54.00	-12.55
	5200 (Pk)	Horizontal	117.17	-	-
	5200 (Av)		106.57	-	-
	5150 (Pk)		49.62	74.00*	-24.38
	5150 (Av)		38.19	54.00*	-15.81
	10400 (Pk)		52.77	68.23	-15.46
	10400 (Av)		40.95	54.00	-13.05
	15600 (Pk)		53.47	68.23	-14.76
	15600 (Av)		41.53	54.00	-12.47
5240	5240 (Pk)	Vertical	115.51	-	-
	5240 (Av)		106.60	-	-
	5350 (Pk)		51.91	74.00*	-22.09
	5350 (Av)		38.20	54.00*	-15.80
	10480 (Pk)		56.12	68.23	-12.11
	10480 (Av)		42.49	54.00	-11.51
	15720 (Pk)		53.79	68.23	-14.44
	15720 (Av)		41.30	54.00	-12.70
	5240 (Pk)	Horizontal	116.11	-	-
	5240 (Av)		105.70	-	-
	5350 (Pk)		48.52	74.00*	-25.48
	5350 (Av)		35.61	54.00*	-18.39
	10480 (Pk)		54.27	68.23	-13.96
	10480 (Av)		42.54	54.00	-11.46
	15720 (Pk)		53.41	68.23	-14.82
	15720 (Av)		41.38	54.00	-12.62

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 78 von 170
Page 78 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	117.19	-	-
	5745 (Av)		107.87	-	-
	5725(Pk)		71.02	122.20*	-51.18
	5720(Pk)		66.47	110.80*	-44.33
	5700(Pk)		52.86	105.20*	-52.34
	5650(Pk)		49.82	68.20*	-18.38
	11490 (Pk)		54.48	68.23	-13.75
	11490 (Av)		42.50	54.00	-11.50
	17235 (Pk)		57.45	68.23	-10.78
	17235 (Av)		45.12	54.00	-8.88
	5745 (Pk)	Horizontal	115.74	-	-
	5745 (Av)		106.14	-	-
	5725(Pk)		65.96	122.20*	-56.24
	5720(Pk)		61.32	110.80*	-49.48
	5700(Pk)		51.05	105.20*	-54.15
	5650(Pk)		55.61	68.20*	-12.59
	11490 (Pk)		54.76	68.23	-13.47
	11490 (Av)		42.61	54.00	-11.39
	17235 (Pk)		56.93	68.23	-11.30
	17235 (Av)		45.11	54.00	-8.89
5785	5785 (Pk)	Vertical	117.90	-	-
	5785 (Av)		108.49	-	-
	5725(Pk)		56.11	122.20*	-66.09
	5720(Pk)		51.11	110.80*	-59.69
	5700(Pk)		49.39	105.20*	-55.81
	5650(Pk)		49.60	68.20*	-18.60
	11570 (Pk)		53.58	68.23	-14.65
	11570 (Av)		41.87	54.00	-12.13
	17355 (Pk)		58.50	68.23	-9.73
	17355 (Av)		45.88	54.00	-8.12
	5785 (Pk)	Horizontal	116.24	-	-
	5785 (Av)		106.48	-	-
	5725(Pk)		55.29	122.20*	-66.91
	5720(Pk)		49.14	110.80*	-61.66
	5700(Pk)		47.42	105.20*	-57.78
	5650(Pk)		47.76	68.20*	-20.44
	11570 (Pk)		54.20	68.23	-14.03
	11570 (Av)		42.13	54.00	-11.87
	17355 (Pk)		58.87	68.23	-9.36
	17355 (Av)		45.82	54.00	-8.18
5825	5825 (Pk)	Vertical	118.16	-	-
	5825 (Av)		108.71	-	-
	5850 (Pk)		66.97	122.20*	-55.23
	5855(Pk)		65.21	110.80*	-45.59
	5875(Pk)		54.24	105.20*	-50.96
	5925 (Pk)		55.32	68.20*	-12.88
	11650 (Pk)		57.50	68.23	-10.73
	11650 (Av)		44.21	54.00	-9.79
	17475 (Pk)		59.01	68.23	-9.22
	17475 (Av)		47.12	54.00	-6.88
	5825 (Pk)	Horizontal	116.63	-	-
	5825 (Av)		106.77	-	-
	5850 (Pk)		62.16	122.20*	-60.04
	5855(Pk)		59.31	110.80*	-51.49
	5875(Pk)		52.18	105.20*	-53.02
	5925 (Pk)		53.32	68.20*	-14.88
	11650 (Pk)		53.96	68.23	-14.27
	11650 (Av)		42.72	54.00	-11.28
	17475 (Pk)		59.80	68.23	-8.43
	17475 (Pk)		47.08	54.00	-6.92

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 79 von 170

Page 79 of 170

Modulation: 802.11n

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	115.91	-	-
	5180 (Av)		105.18	-	-
	5150 (Pk)		58.56	74.00*	-15.44
	5150 (Av)		44.29	54.00*	-9.71
	10360 (Pk)		53.62	68.23	-14.61
	10360 (Av)		42.21	54.00	-11.79
	15540 (Pk)		54.25	68.23	-13.98
	15540 (Av)		41.72	54.00	-12.28
	5180 (Pk)	Horizontal	114.90	-	-
	5180 (Av)		103.93	-	-
	5150 (Pk)		54.75	74.00*	-19.25
	5150 (Av)		42.27	54.00*	-11.73
	10360 (Pk)		53.06	68.23	-15.17
	10360 (Av)		41.26	54.00	-12.74
	15540 (Pk)		54.06	68.23	-14.17
	15540 (Av)		41.69	54.00	-12.31
5200	5200 (Pk)	Vertical	114.06	-	-
	5200 (Av)		103.47	-	-
	5150 (Pk)		47.83	74.00*	-26.17
	5150 (Av)		35.35	54.00*	-18.65
	10400 (Pk)		56.44	68.23	-11.79
	10400 (Av)		42.79	54.00	-11.21
	15600 (Pk)		53.36	68.23	-14.87
	15600 (Av)		41.47	54.00	-12.53
	5200 (Pk)	Horizontal	114.07	-	-
	5200 (Av)		104.41	-	-
	5150 (Pk)		49.72	74.00*	-24.28
	5150 (Av)		35.94	54.00*	-18.06
	10400 (Pk)		53.66	68.23	-14.57
	10400 (Av)		40.89	54.00	-13.11
	15600 (Pk)		53.12	68.23	-15.11
	15600 (Av)		41.44	54.00	-12.56
5240	5240 (Pk)	Vertical	114.75	-	-
	5240 (Av)		104.26	-	-
	5350 (Pk)		49.84	74.00*	-24.16
	5350 (Av)		37.97	54.00*	-16.03
	10480 (Pk)		53.25	68.23	-14.98
	10480 (Av)		41.51	54.00	-12.49
	15720 (Pk)		53.81	68.23	-14.42
	15720 (Av)		41.40	54.00	-12.60
	5240 (Pk)	Horizontal	114.51	-	-
	5240 (Av)		103.42	-	-
	5350 (Pk)		48.18	74.00*	-25.82
	5350 (Av)		35.30	54.00*	-18.70
	10480 (Pk)		55.77	68.23	-12.46
	10480 (Av)		42.57	54.00	-11.43
	15720 (Pk)		53.31	68.23	-14.92
	15720 (Av)		41.33	54.00	-12.67

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 80 von 170
Page 80 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	117.61	-	-
	5745 (Av)		106.87	-	-
	5725(Pk)		73.46	122.20*	-48.74
	5720(Pk)		65.45	110.80*	-45.35
	5700(Pk)		52.81	105.20*	-52.39
	5650(Pk)		49.83	68.20*	-18.37
	11490 (Pk)		56.82	68.23	-11.41
	11490 (Av)		45.05	54.00	-8.95
	17235 (Pk)		57.83	68.23	-10.40
	17235 (Av)		46.24	54.00	-7.76
	5745 (Pk)	Horizontal	117.87	-	-
	5745 (Av)		106.30	-	-
	5725(Pk)		71.24	122.20*	-50.96
	5720(Pk)		65.44	110.80*	-45.36
	5700(Pk)		53.18	105.20*	-52.02
	5650(Pk)		57.02	68.20*	-11.18
	11490 (Pk)		56.63	68.23	-11.60
	11490 (Av)		44.52	54.00	-9.48
	17235 (Pk)		58.40	68.23	-9.83
	17235 (Av)		46.27	54.00	-7.73
5785	5785 (Pk)	Vertical	118.11	-	-
	5785 (Av)		107.83	-	-
	5725(Pk)		57.02	122.20*	-65.18
	5720(Pk)		49.54	110.80*	-61.26
	5700(Pk)		49.74	105.20*	-55.46
	5650(Pk)		50.04	68.20*	-18.16
	11570 (Pk)		56.47	68.23	-11.76
	11570 (Av)		44.21	54.00	-9.79
	17355 (Pk)		58.23	68.23	-10.00
	17355 (Av)		46.73	54.00	-7.27
	5785 (Pk)	Horizontal	118.56	-	-
	5785 (Av)		106.80	-	-
	5725(Pk)		56.75	122.20*	-65.45
	5720(Pk)		49.94	110.80*	-60.86
	5700(Pk)		49.09	105.20*	-56.11
	5650(Pk)		49.97	68.20*	-18.23
	11570 (Pk)		56.49	68.23	-11.74
	11570 (Av)		44.28	54.00	-9.72
	17355 (Pk)		58.60	68.23	-9.63
	17355 (Av)		46.76	54.00	-7.24
5825	5825 (Pk)	Vertical	118.29	-	-
	5825 (Av)		107.56	-	-
	5850 (Pk)		69.50	122.20*	-52.70
	5855(Pk)		64.91	110.80*	-45.89
	5875(Pk)		54.05	105.20*	-51.15
	5925 (Pk)		54.38	68.20*	-13.82
	11650 (Pk)		55.70	68.23	-12.53
	11650 (Av)		43.67	54.00	-10.33
	17475 (Pk)		59.31	68.23	-8.92
	17475 (Av)		47.41	54.00	-6.59
	5825 (Pk)	Horizontal	118.75	-	-
	5825 (Av)		107.29	-	-
	5850 (Pk)		68.62	122.20*	-53.58
	5855(Pk)		64.88	110.80*	-45.92
	5875(Pk)		53.81	105.20*	-51.39
	5925 (Pk)		53.92	68.20*	-14.28
	11650 (Pk)		57.19	68.23	-11.04
	11650 (Av)		45.18	54.00	-8.82
	17475 (Pk)		59.64	68.23	-8.59
	17475 (Pk)		47.35	54.00	-6.65

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 81 von 170

Page 81 of 170

Modulation: 802.11ac

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	117.18	-	-
	5180 (Av)		106.13	-	-
	5150 (Pk)		59.54	74.00*	-14.46
	5150 (Av)		45.88	54.00*	-8.12
	10360 (Pk)		55.83	68.23	-12.40
	10360 (Av)		42.40	54.00	-11.60
	15540 (Pk)		52.98	68.23	-15.25
	15540 (Av)		40.93	54.00	-13.07
	5180 (Pk)	Horizontal	116.92	-	-
	5180 (Av)		106.49	-	-
	5150 (Pk)		63.83	74.00*	-10.17
	5150 (Av)		49.43	54.00*	-4.57
	10360 (Pk)		55.19	68.23	-13.04
	10360 (Av)		41.93	54.00	-12.07
	15540 (Pk)		53.17	68.23	-15.06
	15540 (Av)		40.88	54.00	-13.12
5200	5200 (Pk)	Vertical	116.21	-	-
	5200 (Av)		105.70	-	-
	5150 (Pk)		52.44	74.00*	-21.56
	5150 (Av)		39.03	54.00*	-14.97
	10400 (Pk)		56.53	68.23	-11.70
	10400 (Av)		42.75	54.00	-11.25
	15600 (Pk)		52.79	68.23	-15.44
	15600 (Av)		40.52	54.00	-13.48
	5200 (Pk)	Horizontal	116.54	-	-
	5200 (Av)		105.64	-	-
	5150 (Pk)		51.34	74.00*	-22.66
	5150 (Av)		38.51	54.00*	-15.49
	10400 (Pk)		54.20	68.23	-14.03
	10400 (Av)		41.42	54.00	-12.58
	15600 (Pk)		53.29	68.23	-14.94
	15600 (Av)		40.51	54.00	-13.49
5240	5240 (Pk)	Vertical	116.19	-	-
	5240 (Av)		105.58	-	-
	5350 (Pk)		51.22	74.00*	-22.78
	5350 (Av)		38.26	54.00*	-15.74
	10480 (Pk)		56.66	68.23	-11.57
	10480 (Av)		42.93	54.00	-11.07
	15720 (Pk)		53.81	68.23	-14.42
	15720 (Av)		40.58	54.00	-13.42
	5240 (Pk)	Horizontal	116.72	-	-
	5240 (Av)		105.42	-	-
	5350 (Pk)		50.52	74.00*	-23.48
	5350 (Av)		38.19	54.00*	-15.81
	10480 (Pk)		57.31	68.23	-10.92
	10480 (Av)		43.24	54.00	-10.76
	15720 (Pk)		52.65	68.23	-15.58
	15720 (Av)		40.55	54.00	-13.45

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 82 von 170
Page 82 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	117.47	-	-
	5745 (Av)		106.78	-	-
	5725(Pk)		72.93	122.20*	-49.27
	5720(Pk)		68.03	110.80*	-42.77
	5700(Pk)		53.13	105.20*	-52.07
	5650(Pk)		50.20	68.20*	-18.00
	11490 (Pk)		57.72	68.23	-10.51
	11490 (Av)		45.21	54.00	-8.79
	17235 (Pk)		58.80	68.23	-9.43
	17235 (Av)		46.31	54.00	-7.69
	5745 (Pk)	Horizontal	117.84	-	-
	5745 (Av)		106.36	-	-
	5725(Pk)		71.45	122.20*	-50.75
	5720(Pk)		64.97	110.80*	-45.83
	5700(Pk)		52.21	105.20*	-52.99
	5650(Pk)		56.53	68.20*	-11.67
	11490 (Pk)		56.01	68.23	-12.22
	11490 (Av)		43.61	54.00	-10.39
	17235 (Pk)		59.76	68.23	-8.47
	17235 (Av)		47.42	54.00	-6.58
5785	5785 (Pk)	Vertical	118.30	-	-
	5785 (Av)		106.70	-	-
	5725(Pk)		55.61	122.20*	-66.59
	5720(Pk)		49.63	110.80*	-61.17
	5700(Pk)		47.89	105.20*	-57.31
	5650(Pk)		48.25	68.20*	-19.95
	11570 (Pk)		56.16	68.23	-12.07
	11570 (Av)		44.47	54.00	-9.53
	17355 (Pk)		58.76	68.23	-9.47
	17355 (Av)		46.73	54.00	-7.27
	5785 (Pk)	Horizontal	118.23	-	-
	5785 (Av)		107.18	-	-
	5725(Pk)		55.99	122.20*	-66.21
	5720(Pk)		49.26	110.80*	-61.54
	5700(Pk)		48.78	105.20*	-56.42
	5650(Pk)		49.39	68.20*	-18.81
	11570 (Pk)		56.67	68.23	-11.56
	11570 (Av)		44.45	54.00	-9.55
	17355 (Pk)		58.78	68.23	-9.45
	17355 (Av)		46.26	54.00	-7.74
5825	5825 (Pk)	Vertical	118.18	-	-
	5825 (Av)		107.50	-	-
	5850 (Pk)		68.32	122.20*	-53.88
	5855(Pk)		65.39	110.80*	-45.41
	5875(Pk)		54.29	105.20*	-50.91
	5925 (Pk)		54.61	68.20*	-13.59
	11650 (Pk)		56.21	68.23	-12.02
	11650 (Av)		44.83	54.00	-9.17
	17475 (Pk)		60.15	68.23	-8.08
	17475 (Av)		47.58	54.00	-6.42
	5825 (Pk)	Horizontal	118.89	-	-
	5825 (Av)		107.23	-	-
	5850 (Pk)		68.85	122.20*	-53.35
	5855(Pk)		64.01	110.80*	-46.79
	5875(Pk)		53.58	105.20*	-51.62
	5925 (Pk)		54.50	68.20*	-13.70
	11650 (Pk)		57.71	68.23	-10.52
	11650 (Av)		44.36	54.00	-9.64
	17475 (Pk)		59.70	68.23	-8.53
	17475 (Pk)		47.68	54.00	-6.32

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 83 von 170

Page 83 of 170

Modulation: 802.11ax

Data rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	120.86	-	-
	5180 (Av)		107.40	-	-
	5150 (Pk)		69.13	74.00*	-4.87
	5150 (Av)		54.09	54.00*	0.09
	10360 (Pk)		55.98	68.23	-12.25
	10360 (Av)		42.48	54.00	-11.52
	15540 (Pk)		52.83	68.23	-15.40
	15540 (Av)		40.95	54.00	-13.05
	5180 (Pk)	Horizontal	120.05	-	-
	5180 (Av)		107.20	-	-
	5150 (Pk)		66.16	74.00*	-7.84
	5150 (Av)		51.14	54.00*	-2.86
	10360 (Pk)		53.62	68.23	-14.61
	10360 (Av)		40.99	54.00	-13.01
	15540 (Pk)		52.75	68.23	-15.48
	15540 (Av)		40.98	54.00	-13.02
5200	5200 (Pk)	Vertical	119.27	-	-
	5200 (Av)		105.70	-	-
	5150 (Pk)		52.43	74.00*	-21.57
	5150 (Av)		39.51	54.00*	-14.49
	10400 (Pk)		56.42	68.23	-11.81
	10400 (Av)		42.96	54.00	-11.04
	15600 (Pk)		53.06	68.23	-15.17
	15600 (Av)		40.57	54.00	-13.43
	5200 (Pk)	Horizontal	118.51	-	-
	5200 (Av)		105.69	-	-
	5150 (Pk)		51.49	74.00*	-22.51
	5150 (Av)		38.86	54.00*	-15.14
	10400 (Pk)		52.94	68.23	-15.29
	10400 (Av)		41.48	54.00	-12.52
	15600 (Pk)		52.62	68.23	-15.61
	15600 (Av)		40.61	54.00	-13.39
5240	5240 (Pk)	Vertical	119.05	-	-
	5240 (Av)		105.56	-	-
	5350 (Pk)		50.48	74.00*	-23.52
	5350 (Av)		38.34	54.00*	-15.66
	10480 (Pk)		56.45	68.23	-11.78
	10480 (Av)		42.90	54.00	-11.10
	15720 (Pk)		53.09	68.23	-15.14
	15720 (Av)		40.60	54.00	-13.40
	5240 (Pk)	Horizontal	118.69	-	-
	5240 (Av)		105.68	-	-
	5350 (Pk)		50.36	74.00*	-23.64
	5350 (Av)		38.33	54.00*	-15.67
	10480 (Pk)		52.49	68.23	-15.74
	10480 (Av)		41.72	54.00	-12.28
	15720 (Pk)		52.74	68.23	-15.49
	15720 (Av)		40.58	54.00	-13.42

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 84 von 170
Page 84 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	120.36	-	-
	5745 (Av)		107.29	-	-
	5725(Pk)		78.26	122.20*	-43.94
	5720(Pk)		72.38	110.80*	-38.42
	5700(Pk)		54.14	105.20*	-51.06
	5650(Pk)		51.13	68.20*	-17.07
	11490 (Pk)		57.53	68.23	-10.70
	11490 (Av)		45.37	54.00	-8.63
	17235 (Pk)		59.10	68.23	-9.13
	17235 (Av)		46.34	54.00	-7.66
	5745 (Pk)	Horizontal	119.72	-	-
	5745 (Av)		106.27	-	-
	5725(Pk)		74.73	122.20*	-47.47
	5720(Pk)		70.03	110.80*	-40.77
	5700(Pk)		53.39	105.20*	-51.81
	5650(Pk)		57.72	68.20*	-10.48
	11490 (Pk)		56.78	68.23	-11.45
	11490 (Av)		45.13	54.00	-8.87
	17235 (Pk)		58.26	68.23	-9.97
	17235 (Av)		46.34	54.00	-7.66
5785	5785 (Pk)	Vertical	120.73	-	-
	5785 (Av)		107.79	-	-
	5725(Pk)		56.18	122.20*	-66.02
	5720(Pk)		50.30	110.80*	-60.50
	5700(Pk)		48.70	105.20*	-56.50
	5650(Pk)		50.33	68.20*	-17.87
	11570 (Pk)		56.32	68.23	-11.91
	11570 (Av)		44.29	54.00	-9.71
	17355 (Pk)		58.58	68.23	-9.65
	17355 (Av)		46.73	54.00	-7.27
	5785 (Pk)	Horizontal	119.88	-	-
	5785 (Av)		106.83	-	-
	5725(Pk)		55.58	122.20*	-66.62
	5720(Pk)		49.04	110.80*	-61.76
	5700(Pk)		47.66	105.20*	-57.54
	5650(Pk)		48.41	68.20*	-19.79
	11570 (Pk)		56.74	68.23	-11.49
	11570 (Av)		45.07	54.00	-8.93
	17355 (Pk)		59.66	68.23	-8.57
	17355 (Av)		46.80	54.00	-7.20
5825	5825 (Pk)	Vertical	121.03	-	-
	5825 (Av)		107.91	-	-
	5850 (Pk)		72.88	122.20*	-49.32
	5855(Pk)		67.22	110.80*	-43.58
	5875(Pk)		54.50	105.20*	-50.70
	5925 (Pk)		53.96	68.20*	-14.24
	11650 (Pk)		56.01	68.23	-12.22
	11650 (Av)		44.44	54.00	-9.56
	17475 (Pk)		59.54	68.23	-8.69
	17475 (Av)		47.42	54.00	-6.58
	5825 (Pk)	Horizontal	120.58	-	-
	5825 (Av)		107.16	-	-
	5850 (Pk)		71.61	122.20*	-50.59
	5855(Pk)		65.51	110.80*	-45.29
	5875(Pk)		53.82	105.20*	-51.38
	5925 (Pk)		53.43	68.20*	-14.77
	11650 (Pk)		59.31	68.23	-8.92
	11650 (Av)		44.90	54.00	-9.10
	17475 (Pk)		60.26	68.23	-7.97
	17475 (Pk)		47.42	54.00	-6.58

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 85 von 170

Page 85 of 170

Channel Bandwidth: 40MHz

Modulation: 802.11n

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	113.29	-	-
	5190 (Av)		102.79	-	-
	5150 (Pk)		72.48	74.00*	-1.52
	5150 (Av)		57.22	54.00*	3.22
	10380 (Pk)		52.54	68.23	-15.69
	10380 (Av)		40.84	54.00	-13.16
	15570 (Pk)		52.56	68.23	-15.67
	15570 (Av)		40.72	54.00	-13.28
	5190 (Pk)	Horizontal	113.51	-	-
	5190 (Av)		102.41	-	-
	5150 (Pk)		69.62	74.00*	-4.38
	5150 (Av)		52.56	54.00*	-1.44
	10380 (Pk)		53.30	68.23	-14.93
	10380 (Av)		40.66	54.00	-13.34
	15570 (Pk)		53.05	68.23	-15.18
	15570 (Av)		40.70	54.00	-13.30
5230	5230 (Pk)	Vertical	115.82	-	-
	5230 (Av)		105.15	-	-
	5350 (Pk)		52.08	74.00*	-21.92
	5350 (Av)		39.12	54.00*	-14.88
	10460 (Pk)		56.45	68.23	-11.78
	10460 (Av)		43.08	54.00	-10.92
	15690 (Pk)		52.72	68.23	-15.51
	15690 (Av)		40.46	54.00	-13.54
	5230 (Pk)	Horizontal	116.94	-	-
	5230 (Av)		105.56	-	-
	5350 (Pk)		52.73	74.00*	-21.27
	5350 (Av)		39.02	54.00*	-14.98
	10460 (Pk)		53.62	68.23	-14.61
	10460 (Av)		42.02	54.00	-11.98
	15690 (Pk)		52.64	68.23	-15.59
	15690 (Av)		40.47	54.00	-13.53

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 86 von 170
Page 86 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	117.72	-	-
	5755 (Av)		107.34	-	-
	5725(Pk)		84.54	122.20*	-37.66
	5720(Pk)		88.83	110.80*	-21.97
	5700(Pk)		66.69	105.20*	-38.51
	5650(Pk)		53.99	68.20*	-14.21
	11510 (Pk)		56.78	68.23	-11.45
	11510 (Av)		44.90	54.00	-9.10
	17265 (Pk)		58.27	68.23	-9.96
	17265 (Av)		45.93	54.00	-8.07
	5755 (Pk)	Horizontal	116.85	-	-
	5755 (Av)		106.15	-	-
	5725(Pk)		84.26	122.20*	-37.94
	5720(Pk)		81.36	110.80*	-29.44
	5700(Pk)		65.88	105.20*	-39.32
	5650(Pk)		54.53	68.20*	-13.67
	11510 (Pk)		56.44	68.23	-11.79
	11510 (Av)		44.48	54.00	-9.52
	17265 (Pk)		57.55	68.23	-10.68
	17265 (Av)		45.88	54.00	-8.12
5795	5795 (Pk)	Vertical	117.50	-	-
	5795 (Av)		106.97	-	-
	5850 (Pk)		65.83	122.20*	-56.37
	5855(Pk)		65.29	110.80*	-45.51
	5875(Pk)		60.03	105.20*	-45.17
	5925 (Pk)		54.64	68.20*	-13.56
	11590 (Pk)		57.52	68.23	-10.71
	11590 (Av)		44.26	54.00	-9.74
	17385 (Pk)		58.42	68.23	-9.81
	17385 (Pk)		46.34	54.00	-7.66
	5795 (Pk)	Horizontal	116.80	-	-
	5795 (Av)		105.72	-	-
	5850 (Pk)		64.97	122.20*	-57.23
	5855(Pk)		60.03	110.80*	-50.77
	5875(Pk)		57.73	105.20*	-47.47
	5925 (Pk)		53.27	68.20*	-14.93
	11590 (Pk)		56.35	68.23	-11.88
	11590 (Av)		44.20	54.00	-9.80
	17385 (Pk)		59.13	68.23	-9.10
	17385 (Pk)		46.32	54.00	-7.68

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 87 von 170
Page 87 of 170

Modulation: 802.11ac

Data rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	112.19	-	-
	5190 (Av)		101.72	-	-
	5150 (Pk)		68.92	74.00*	-5.08
	5150 (Av)		53.89	54.00*	-0.11
	10380 (Pk)		52.22	68.23	-16.01
	10380 (Av)		40.63	54.00	-13.37
	15570 (Pk)		53.13	68.23	-15.10
	15570 (Av)		40.56	54.00	-13.44
	5190 (Pk)	Horizontal	112.63	-	-
	5190 (Av)		101.62	-	-
	5150 (Pk)		67.13	74.00*	-6.87
	5150 (Av)		49.91	54.00*	-4.09
	10380 (Pk)		52.58	68.23	-15.65
	10380 (Av)		40.57	54.00	-13.43
	15570 (Pk)		52.97	68.23	-15.26
	15570 (Av)		40.60	54.00	-13.40
5230	5230 (Pk)	Vertical	115.77	-	-
	5230 (Av)		105.19	-	-
	5350 (Pk)		51.48	74.00*	-22.52
	5350 (Av)		39.14	54.00*	-14.86
	10460 (Pk)		56.06	68.23	-12.17
	10460 (Av)		42.90	54.00	-11.10
	15690 (Pk)		52.40	68.23	-15.83
	15690 (Av)		40.45	54.00	-13.55
	5230 (Pk)	Horizontal	116.59	-	-
	5230 (Av)		105.74	-	-
	5350 (Pk)		51.47	74.00*	-22.53
	5350 (Av)		39.06	54.00*	-14.94
	10460 (Pk)		58.00	68.23	-10.23
	10460 (Av)		43.96	54.00	-10.04
	15690 (Pk)		52.88	68.23	-15.35
	15690 (Av)		40.42	54.00	-13.58

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 88 von 170
Page 88 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	114.80	-	-
	5755 (Av)		104.56	-	-
	5725(Pk)		81.21	122.20*	-40.99
	5720(Pk)		79.10	110.80*	-31.70
	5700(Pk)		61.94	105.20*	-43.26
	5650(Pk)		50.79	68.20*	-17.41
	11510 (Pk)		54.38	68.23	-13.85
	11510 (Av)		42.82	54.00	-11.18
	17265 (Pk)		55.47	68.23	-12.76
	17265 (Av)		44.03	54.00	-9.97
	5755 (Pk)	Horizontal	112.90	-	-
	5755 (Av)		102.03	-	-
	5725(Pk)		73.08	122.20*	-49.12
	5720(Pk)		68.78	110.80*	-42.02
	5700(Pk)		53.31	105.20*	-51.89
	5650(Pk)		50.80	68.20*	-17.40
	11510 (Pk)		55.29	68.23	-12.94
	11510 (Av)		43.15	54.00	-10.85
	17265 (Pk)		56.90	68.23	-11.33
	17265 (Av)		44.02	54.00	-9.98
5795	5795 (Pk)	Vertical	114.00	-	-
	5795 (Av)		103.55	-	-
	5850 (Pk)		56.75	122.20*	-65.45
	5855(Pk)		56.89	110.80*	-53.91
	5875(Pk)		50.76	105.20*	-54.44
	5925 (Pk)		50.53	68.20*	-17.67
	11590 (Pk)		54.88	68.23	-13.35
	11590 (Av)		42.61	54.00	-11.39
	17385 (Pk)		56.68	68.23	-11.55
	17385 (Pk)		44.16	54.00	-9.84
	5795 (Pk)	Horizontal	112.74	-	-
	5795 (Av)		102.02	-	-
	5850 (Pk)		53.99	122.20*	-68.21
	5855(Pk)		53.48	110.80*	-57.32
	5875(Pk)		50.36	105.20*	-54.84
	5925 (Pk)		49.19	68.20*	-19.01
	11590 (Pk)		55.19	68.23	-13.04
	11590 (Av)		42.98	54.00	-11.02
	17385 (Pk)		56.59	68.23	-11.64
	17385 (Pk)		44.12	54.00	-9.88

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 89 von 170
Page 89 of 170

Modulation: 802.11ax

Data rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	114.67	-	-
	5190 (Av)		101.26	-	-
	5150 (Pk)		68.46	74.00*	-5.54
	5150 (Av)		53.17	54.00*	-0.83
	10380 (Pk)		52.55	68.23	-15.68
	10380 (Av)		40.59	54.00	-13.41
	15570 (Pk)		52.66	68.23	-15.57
	15570 (Av)		40.58	54.00	-13.42
	5190 (Pk)	Horizontal	114.66	-	-
	5190 (Av)		101.44	-	-
	5150 (Pk)		66.45	74.00*	-7.55
	5150 (Av)		50.24	54.00*	-3.76
	10380 (Pk)		52.19	68.23	-16.04
	10380 (Av)		40.57	54.00	-13.43
	15570 (Pk)		52.81	68.23	-15.42
	15570 (Av)		40.66	54.00	-13.34
5230	5230 (Pk)	Vertical	117.91	-	-
	5230 (Av)		104.84	-	-
	5350 (Pk)		51.70	74.00*	-22.30
	5350 (Av)		39.18	54.00*	-14.82
	10460 (Pk)		56.41	68.23	-11.82
	10460 (Av)		43.48	54.00	-10.52
	15690 (Pk)		52.52	68.23	-15.71
	15690 (Av)		40.53	54.00	-13.47
	5230 (Pk)	Horizontal	119.07	-	-
	5230 (Av)		105.36	-	-
	5350 (Pk)		52.06	74.00*	-21.94
	5350 (Av)		39.05	54.00*	-14.95
	10460 (Pk)		57.40	68.23	-10.83
	10460 (Av)		43.60	54.00	-10.40
	15690 (Pk)		53.96	68.23	-14.27
	15690 (Av)		40.47	54.00	-13.53

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 90 von 170
Page 90 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	116.70	-	-
	5755 (Av)		103.00	-	-
	5725(Pk)		76.87	122.20*	-45.33
	5720(Pk)		75.85	110.80*	-34.95
	5700(Pk)		59.66	105.20*	-45.54
	5650(Pk)		48.88	68.20*	-19.32
	11510 (Pk)		55.58	68.23	-12.65
	11510 (Av)		42.79	54.00	-11.21
	17265 (Pk)		56.26	68.23	-11.97
	17265 (Av)		44.16	54.00	-9.84
	5755 (Pk)	Horizontal	115.20	-	-
	5755 (Av)		101.62	-	-
	5725(Pk)		69.45	122.20*	-52.75
	5720(Pk)		69.48	110.80*	-41.32
	5700(Pk)		53.59	105.20*	-51.61
	5650(Pk)		52.21	68.20*	-15.99
	11510 (Pk)		55.14	68.23	-13.09
	11510 (Av)		42.75	54.00	-11.25
	17265 (Pk)		56.00	68.23	-12.23
	17265 (Av)		44.08	54.00	-9.92
5795	5795 (Pk)	Vertical	115.74	-	-
	5795 (Av)		101.88	-	-
	5850 (Pk)		56.45	122.20*	-65.75
	5855(Pk)		53.18	110.80*	-57.62
	5875(Pk)		49.31	105.20*	-55.89
	5925 (Pk)		49.95	68.20*	-18.25
	11590 (Pk)		55.00	68.23	-13.23
	11590 (Av)		42.45	54.00	-11.55
	17385 (Pk)		55.97	68.23	-12.26
	17385 (Pk)		44.09	54.00	-9.91
	5795 (Pk)	Horizontal	114.09	-	-
	5795 (Av)		101.26	-	-
	5850 (Pk)		53.00	122.20*	-69.20
	5855(Pk)		52.09	110.80*	-58.71
	5875(Pk)		49.66	105.20*	-55.54
	5925 (Pk)		49.19	68.20*	-19.01
	11590 (Pk)		55.23	68.23	-13.00
	11590 (Av)		42.56	54.00	-11.44
	17385 (Pk)		56.15	68.23	-12.08
	17385 (Pk)		44.14	54.00	-9.86

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 91 von 170

Page 91 of 170

Channel Bandwidth: 80MHz

Modulation: 802.11ac

Data rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5210	5210 (Pk)	Vertical	108.65	-	-
	5210 (Av)		98.33	-	-
	5150 (Pk)		67.17	74.00*	-6.83
	5150 (Av)		52.81	54.00*	-1.19
	10420 (Pk)		52.16	68.23	-16.07
	10420 (Av)		40.42	54.00	-13.58
	15630 (Pk)		53.51	68.23	-14.72
	15630 (Av)		41.64	54.00	-12.36
	5210 (Pk)	Horizontal	109.39	-	-
	5210 (Av)		98.48	-	-
	5150 (Pk)		65.68	74.00*	-8.32
	5150 (Av)		51.36	54.00*	-2.64
	10420 (Pk)		52.66	68.23	-15.57
	10420 (Av)		40.36	54.00	-13.64
	15630 (Pk)		53.63	68.23	-14.60
	15630 (Av)		41.62	54.00	-12.38
5775	5775 (Pk)	Vertical	111.50	-	-
	5775 (Pk)		101.05	-	-
	5850 (Pk)		70.38	122.20*	-51.82
	5855 (Pk)		69.17	110.80*	-41.63
	5875 (Pk)		61.02	105.20*	-44.18
	5925 (Pk)		51.41	68.20*	-16.79
	11550 (Pk)		54.13	68.23	-14.10
	11550 (Av)		42.43	54.00	-11.57
	17325 (Pk)		56.40	68.23	-11.83
	17325 (Av)		43.94	54.00	-10.06
	5775 (Pk)	Horizontal	111.30	-	-
	5775 (Pk)		99.58	-	-
	5850 (Pk)		65.39	122.20*	-56.81
	5855 (Pk)		63.10	110.80*	-47.70
	5875 (Pk)		56.43	105.20*	-48.77
	5925 (Pk)		51.11	68.20*	-17.09
	11550 (Av)		54.76	68.23	-13.47
	11550 (Pk)		42.57	54.00	-11.43
	17325 (Pk)		57.33	68.23	-10.90
	17325 (Av)		44.59	54.00	-9.41

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 92 von 170
Page 92 of 170

Modulation: 802.11ax

Data rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5210	5210 (Pk)	Vertical	112.68	-	-
	5210 (Av)		99.39	-	-
	5150 (Pk)		69.95	74.00*	-4.05
	5150 (Av)		56.28	54.00*	2.28
	10420 (Pk)		52.08	68.23	-16.15
	10420 (Av)		40.36	54.00	-13.64
	15630 (Pk)		54.61	68.23	-13.62
	15630 (Av)		41.77	54.00	-12.23
	5210 (Pk)	Horizontal	112.70	-	-
	5210 (Av)		99.55	-	-
	5150 (Pk)		68.98	74.00*	-5.02
	5150 (Av)		55.32	54.00*	1.32
	10420 (Pk)		52.65	68.23	-15.58
	10420 (Av)		40.28	54.00	-13.72
	15630 (Pk)		53.87	68.23	-14.36
	15630 (Av)		41.70	54.00	-12.30
5775	5775 (Pk)	Vertical	115.00	-	-
	5775 (Pk)		101.22	-	-
	5850 (Pk)		72.49	122.20*	-49.71
	5855 (Pk)		71.22	110.80*	-39.58
	5875 (Pk)		64.53	105.20*	-40.67
	5925 (Pk)		52.05	68.20*	-16.15
	11550 (Pk)		55.11	68.23	-13.12
	11550 (Av)		42.43	54.00	-11.57
	17325 (Pk)		56.39	68.23	-11.84
	17325 (Av)		43.96	54.00	-10.04
	5775 (Pk)	Horizontal	113.73	-	-
	5775 (Pk)		99.81	-	-
	5850 (Pk)		66.27	122.20*	-55.93
	5855 (Pk)		65.97	110.80*	-44.83
	5875 (Pk)		57.72	105.20*	-47.48
	5925 (Pk)		50.21	68.20*	-17.99
	11550 (Av)		55.28	68.23	-12.95
	11550 (Pk)		42.76	54.00	-11.24
	17325 (Pk)		55.78	68.23	-12.45
	17325 (Av)		43.95	54.00	-10.05

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 93 von 170

Page 93 of 170

Antenna Type & Antenna Gain: Sector Antenna & 21dBi

Modulation: 802.11a

Data Rate: 6Mbps

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	109.83	-	-
	5180 (Av)		99.96	-	-
	5150 (Pk)		50.90	74.00*	-23.10
	5150 (Av)		37.68	54.00*	-16.32
	10360 (Pk)		52.15	68.23	-16.08
	10360 (Av)		39.92	54.00	-14.08
	15540 (Pk)		54.38	68.23	-13.85
	15540 (Av)		42.48	54.00	-11.52
	5180 (Pk)	Horizontal	114.09	-	-
	5180 (Av)		104.85	-	-
	5150 (Pk)		55.82	74.00*	-18.18
	5150 (Av)		42.11	54.00*	-11.89
	10360 (Pk)		52.08	68.23	-16.15
	10360 (Av)		39.92	54.00	-14.08
	15540 (Pk)		54.99	68.23	-13.24
	15540 (Av)		42.47	54.00	-11.53
5200	5200 (Pk)	Vertical	108.97	-	-
	5200 (Av)		98.50	-	-
	5150 (Pk)		44.95	74.00*	-29.05
	5150 (Av)		32.56	54.00*	-21.44
	10400 (Pk)		52.18	68.23	-16.05
	10400 (Av)		40.12	54.00	-13.88
	15600 (Pk)		53.70	68.23	-14.53
	15600 (Av)		42.12	54.00	-11.88
	5200 (Pk)	Horizontal	112.77	-	-
	5200 (Av)		103.75	-	-
	5150 (Pk)		48.94	74.00*	-25.06
	5150 (Av)		36.20	54.00*	-17.80
	10400 (Pk)		53.42	68.23	-14.81
	10400 (Av)		40.25	54.00	-13.75
	15600 (Pk)		53.50	68.23	-14.73
	15600 (Av)		42.10	54.00	-11.90
5240	5240 (Pk)	Vertical	109.86	-	-
	5240 (Av)		98.77	-	-
	5350 (Pk)		44.95	74.00*	-29.05
	5350 (Av)		32.77	54.00*	-21.23
	10480 (Pk)		53.03	68.23	-15.20
	10480 (Av)		40.79	54.00	-13.21
	15720 (Pk)		53.69	68.23	-14.54
	15720 (Av)		41.78	54.00	-12.22
	5240 (Pk)	Horizontal	113.23	-	-
	5240 (Av)		104.10	-	-
	5350 (Pk)		47.76	74.00*	-26.24
	5350 (Av)		35.04	54.00*	-18.96
	10480 (Pk)		54.04	68.23	-14.19
	10480 (Av)		40.74	54.00	-13.26
	15720 (Pk)		53.31	68.23	-14.92
	15720 (Av)		41.76	54.00	-12.24

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 94 von 170
Page 94 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	111.14	-	-
	5745 (Av)		101.35	-	-
	5725(Pk)		54.80	122.20*	-67.40
	5720(Pk)		51.44	110.80*	-59.36
	5700(Pk)		47.11	105.20*	-58.09
	5650(Pk)		49.50	68.20*	-18.70
	11490 (Pk)		54.97	68.23	-13.26
	11490 (Av)		43.14	54.00	-10.86
	17235 (Pk)		57.94	68.23	-10.29
	17235 (Av)		45.32	54.00	-8.68
	5745 (Pk)	Horizontal	112.99	-	-
	5745 (Av)		103.64	-	-
	5725(Pk)		58.96	122.20*	-63.24
	5720(Pk)		53.12	110.80*	-57.68
	5700(Pk)		49.28	105.20*	-55.92
	5650(Pk)		48.89	68.20*	-19.31
	11490 (Pk)		55.67	68.23	-12.56
	11490 (Av)		43.60	54.00	-10.40
	17235 (Pk)		57.32	68.23	-10.91
	17235 (Av)		45.25	54.00	-8.75
5785	5785 (Pk)	Vertical	112.51	-	-
	5785 (Av)		102.73	-	-
	5725(Pk)		51.64	122.20*	-70.56
	5720(Pk)		45.86	110.80*	-64.94
	5700(Pk)		45.37	105.20*	-59.83
	5650(Pk)		44.94	68.20*	-23.26
	11570 (Pk)		55.00	68.23	-13.23
	11570 (Av)		43.05	54.00	-10.95
	17355 (Pk)		57.53	68.23	-10.70
	17355 (Av)		45.56	54.00	-8.44
	5785 (Pk)	Horizontal	113.25	-	-
	5785 (Av)		103.90	-	-
	5725(Pk)		51.67	122.20*	-70.53
	5720(Pk)		45.31	110.80*	-65.49
	5700(Pk)		45.81	105.20*	-59.39
	5650(Pk)		46.27	68.20*	-21.93
	11570 (Pk)		55.57	68.23	-12.66
	11570 (Av)		42.76	54.00	-11.24
	17355 (Pk)		57.27	68.23	-10.96
	17355 (Av)		45.25	54.00	-8.75
5825	5825 (Pk)	Vertical	107.81	-	-
	5825 (Av)		98.42	-	-
	5850 (Pk)		49.49	122.20*	-72.71
	5855(Pk)		48.55	110.80*	-62.25
	5875(Pk)		45.87	105.20*	-59.33
	5925 (Pk)		45.62	68.20*	-22.58
	11650 (Pk)		54.62	68.23	-13.61
	11650 (Av)		42.49	54.00	-11.51
	17475 (Pk)		57.96	68.23	-10.27
	17475 (Av)		46.78	54.00	-7.22
	5825 (Pk)	Horizontal	114.16	-	-
	5825 (Av)		104.22	-	-
	5850 (Pk)		55.47	122.20*	-66.73
	5855(Pk)		54.66	110.80*	-56.14
	5875(Pk)		49.01	105.20*	-56.19
	5925 (Pk)		50.39	68.20*	-17.81
	11650 (Pk)		55.03	68.23	-13.20
	11650 (Av)		42.53	54.00	-11.47
	17475 (Pk)		59.36	68.23	-8.87
	17475 (Pk)		46.77	54.00	-7.23

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 95 von 170

Page 95 of 170

Modulation: 802.11n

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	105.42	-	-
	5180 (Av)		93.69	-	-
	5150 (Pk)		46.49	74.00*	-27.51
	5150 (Av)		33.87	54.00*	-20.13
	10360 (Pk)		51.60	68.23	-16.63
	10360 (Av)		39.90	54.00	-14.10
	15540 (Pk)		54.33	68.23	-13.90
	15540 (Av)		42.43	54.00	-11.57
	5180 (Pk)	Horizontal	109.94	-	-
	5180 (Av)		98.85	-	-
	5150 (Pk)		50.10	74.00*	-23.90
	5150 (Av)		37.64	54.00*	-16.36
	10360 (Pk)		52.37	68.23	-15.86
	10360 (Av)		39.88	54.00	-14.12
	15540 (Pk)		54.64	68.23	-13.59
	15540 (Av)		42.53	54.00	-11.47
5200	5200 (Pk)	Vertical	104.46	-	-
	5200 (Av)		93.37	-	-
	5150 (Pk)		42.93	74.00*	-31.07
	5150 (Av)		30.96	54.00*	-23.04
	10400 (Pk)		51.82	68.23	-16.41
	10400 (Av)		40.13	54.00	-13.87
	15600 (Pk)		54.29	68.23	-13.94
	15600 (Av)		42.11	54.00	-11.89
	5200 (Pk)	Horizontal	109.87	-	-
	5200 (Av)		99.10	-	-
	5150 (Pk)		46.12	74.00*	-27.88
	5150 (Av)		33.63	54.00*	-20.37
	10400 (Pk)		52.77	68.23	-15.46
	10400 (Av)		40.13	54.00	-13.87
	15600 (Pk)		55.46	68.23	-12.77
	15600 (Av)		42.10	54.00	-11.90
5240	5240 (Pk)	Vertical	104.15	-	-
	5240 (Av)		92.68	-	-
	5350 (Pk)		43.30	74.00*	-30.70
	5350 (Av)		30.98	54.00*	-23.02
	10480 (Pk)		52.82	68.23	-15.41
	10480 (Av)		40.73	54.00	-13.27
	15720 (Pk)		54.00	68.23	-14.23
	15720 (Av)		41.73	54.00	-12.27
	5240 (Pk)	Horizontal	109.16	-	-
	5240 (Av)		98.59	-	-
	5350 (Pk)		44.25	74.00*	-29.75
	5350 (Av)		32.50	54.00*	-21.50
	10480 (Pk)		52.90	68.23	-15.33
	10480 (Av)		40.68	54.00	-13.32
	15720 (Pk)		53.48	68.23	-14.75
	15720 (Av)		41.75	54.00	-12.25

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 96 von 170
Page 96 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	106.81	-	-
	5745 (Av)		96.39	-	-
	5725(Pk)		48.97	122.20*	-73.23
	5720(Pk)		47.10	110.80*	-63.70
	5700(Pk)		44.94	105.20*	-60.26
	5650(Pk)		43.56	68.20*	-24.64
	11490 (Pk)		54.99	68.23	-13.24
	11490 (Av)		43.13	54.00	-10.87
	17235 (Pk)		58.23	68.23	-10.00
	17235 (Av)		45.16	54.00	-8.84
	5745 (Pk)	Horizontal	113.25	-	-
	5745 (Av)		102.50	-	-
	5725(Pk)		62.26	122.20*	-59.94
	5720(Pk)		52.90	110.80*	-57.90
	5700(Pk)		48.55	105.20*	-56.65
	5650(Pk)		51.61	68.20*	-16.59
	11490 (Pk)		54.99	68.23	-13.24
	11490 (Av)		43.21	54.00	-10.79
	17235 (Pk)		57.16	68.23	-11.07
	17235 (Av)		45.18	54.00	-8.82
5785	5785 (Pk)	Vertical	106.61	-	-
	5785 (Av)		95.98	-	-
	5725(Pk)		48.34	122.20*	-73.86
	5720(Pk)		44.23	110.80*	-66.57
	5700(Pk)		43.79	105.20*	-61.41
	5650(Pk)		43.78	68.20*	-24.42
	11570 (Pk)		55.64	68.23	-12.59
	11570 (Av)		42.76	54.00	-11.24
	17355 (Pk)		57.52	68.23	-10.71
	17355 (Av)		45.52	54.00	-8.48
	5785 (Pk)	Horizontal	113.34	-	-
	5785 (Av)		102.35	-	-
	5725(Pk)		51.13	122.20*	-71.07
	5720(Pk)		46.61	110.80*	-64.19
	5700(Pk)		44.99	105.20*	-60.21
	5650(Pk)		45.37	68.20*	-22.83
	11570 (Pk)		55.49	68.23	-12.74
	11570 (Av)		42.98	54.00	-11.02
	17355 (Pk)		57.46	68.23	-10.77
	17355 (Av)		45.52	54.00	-8.48
5825	5825 (Pk)	Vertical	108.08	-	-
	5825 (Av)		97.12	-	-
	5850 (Pk)		49.82	122.20*	-72.38
	5855(Pk)		48.85	110.80*	-61.95
	5875(Pk)		45.28	105.20*	-59.92
	5925 (Pk)		45.25	68.20*	-22.95
	11650 (Pk)		54.33	68.23	-13.90
	11650 (Av)		42.37	54.00	-11.63
	17475 (Pk)		59.34	68.23	-8.89
	17475 (Av)		46.73	54.00	-7.27
	5825 (Pk)	Horizontal	114.16	-	-
	5825 (Av)		102.93	-	-
	5850 (Pk)		55.66	122.20*	-66.54
	5855(Pk)		53.62	110.80*	-57.18
	5875(Pk)		49.37	105.20*	-55.83
	5925 (Pk)		50.29	68.20*	-17.91
	11650 (Pk)		53.89	68.23	-14.34
	11650 (Av)		41.96	54.00	-12.04
	17475 (Pk)		59.55	68.23	-8.68
	17475 (Pk)		46.73	54.00	-7.27

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 97 von 170
Page 97 of 170

Modulation: 802.11ac

Data Rate: MCS8

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	113.22	-	-
	5180 (Av)		101.20	-	-
	5150 (Pk)		56.86	74.00*	-17.14
	5150 (Av)		42.42	54.00*	-11.58
	10360 (Pk)		51.59	68.23	-16.64
	10360 (Av)		39.87	54.00	-14.13
	15540 (Pk)		55.03	68.23	-13.20
	15540 (Av)		42.46	54.00	-11.54
	5180 (Pk)	Horizontal	107.09	-	-
	5180 (Av)		95.32	-	-
	5150 (Pk)		50.83	74.00*	-23.17
	5150 (Av)		37.49	54.00*	-16.51
	10360 (Pk)		51.64	68.23	-16.59
	10360 (Av)		39.95	54.00	-14.05
	15540 (Pk)		54.60	68.23	-13.63
	15540 (Av)		42.42	54.00	-11.58
5200	5200 (Pk)	Vertical	106.28	-	-
	5200 (Av)		94.91	-	-
	5150 (Pk)		44.76	74.00*	-29.24
	5150 (Av)		32.38	54.00*	-21.62
	10400 (Pk)		52.19	68.23	-16.04
	10400 (Av)		40.16	54.00	-13.84
	15600 (Pk)		53.59	68.23	-14.64
	15600 (Av)		42.08	54.00	-11.92
	5200 (Pk)	Horizontal	112.54	-	-
	5200 (Av)		100.58	-	-
	5150 (Pk)		48.08	74.00*	-25.92
	5150 (Av)		36.29	54.00*	-17.71
	10400 (Pk)		52.39	68.23	-15.84
	10400 (Av)		40.17	54.00	-13.83
	15600 (Pk)		53.86	68.23	-14.37
	15600 (Av)		42.13	54.00	-11.87
5240	5240 (Pk)	Vertical	109.22	-	-
	5240 (Av)		96.49	-	-
	5350 (Pk)		44.77	74.00*	-29.23
	5350 (Av)		32.56	54.00*	-21.44
	10480 (Pk)		52.76	68.23	-15.47
	10480 (Av)		40.74	54.00	-13.26
	15720 (Pk)		54.03	68.23	-14.20
	15720 (Av)		41.80	54.00	-12.20
	5240 (Pk)	Horizontal	113.83	-	-
	5240 (Av)		102.02	-	-
	5350 (Pk)		47.63	74.00*	-26.37
	5350 (Av)		35.26	54.00*	-18.74
	10480 (Pk)		52.20	68.23	-16.03
	10480 (Av)		40.73	54.00	-13.27
	15720 (Pk)		53.79	68.23	-14.44
	15720 (Av)		41.76	54.00	-12.24

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 98 von 170
Page 98 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	110.48	-	-
	5745 (Av)		99.24	-	-
	5725(Pk)		67.81	122.20*	-54.39
	5720(Pk)		61.19	110.80*	-49.61
	5700(Pk)		49.64	105.20*	-55.56
	5650(Pk)		50.53	68.20*	-17.67
	11490 (Pk)		55.30	68.23	-12.93
	11490 (Av)		43.11	54.00	-10.89
	17235 (Pk)		57.13	68.23	-11.10
	17235 (Av)		45.15	54.00	-8.85
	5745 (Pk)	Horizontal	113.23	-	-
	5745 (Av)		101.37	-	-
	5725(Pk)		70.00	122.20*	-52.20
	5720(Pk)		64.34	110.80*	-46.46
	5700(Pk)		50.30	105.20*	-54.90
	5650(Pk)		47.98	68.20*	-20.22
	11490 (Pk)		55.31	68.23	-12.92
	11490 (Av)		43.49	54.00	-10.51
	17235 (Pk)		57.20	68.23	-11.03
	17235 (Av)		45.14	54.00	-8.86
5785	5785 (Pk)	Vertical	112.32	-	-
	5785 (Av)		100.76	-	-
	5725(Pk)		51.33	122.20*	-70.87
	5720(Pk)		46.35	110.80*	-64.45
	5700(Pk)		45.25	105.20*	-59.95
	5650(Pk)		44.74	68.20*	-23.46
	11570 (Pk)		55.20	68.23	-13.03
	11570 (Av)		43.30	54.00	-10.70
	17355 (Pk)		58.40	68.23	-9.83
	17355 (Av)		45.53	54.00	-8.47
	5785 (Pk)	Horizontal	113.03	-	-
	5785 (Av)		101.66	-	-
	5725(Pk)		51.00	122.20*	-71.20
	5720(Pk)		46.40	110.80*	-64.40
	5700(Pk)		46.00	105.20*	-59.20
	5650(Pk)		46.88	68.20*	-21.32
	11570 (Pk)		54.86	68.23	-13.37
	11570 (Av)		43.19	54.00	-10.81
	17355 (Pk)		57.48	68.23	-10.75
	17355 (Av)		45.52	54.00	-8.48
5825	5825 (Pk)	Vertical	112.04	-	-
	5825 (Av)		100.43	-	-
	5850 (Pk)		64.95	122.20*	-57.25
	5855(Pk)		61.28	110.80*	-49.52
	5875(Pk)		48.69	105.20*	-56.51
	5925 (Pk)		50.41	68.20*	-17.79
	11650 (Pk)		54.80	68.23	-13.43
	11650 (Av)		42.34	54.00	-11.66
	17475 (Pk)		57.96	68.23	-10.27
	17475 (Av)		45.56	54.00	-8.44
	5825 (Pk)	Horizontal	113.56	-	-
	5825 (Av)		101.67	-	-
	5850 (Pk)		66.07	122.20*	-56.13
	5855(Pk)		61.69	110.80*	-49.11
	5875(Pk)		51.22	105.20*	-53.98
	5925 (Pk)		49.92	68.20*	-18.28
	11650 (Pk)		53.90	68.23	-14.33
	11650 (Av)		42.26	54.00	-11.74
	17475 (Pk)		57.65	68.23	-10.58
	17475 (Pk)		45.55	54.00	-8.45

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 99 von 170

Page 99 of 170

Modulation: 802.11ax

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	107.48	-	-
	5180 (Av)		94.96	-	-
	5150 (Pk)		46.02	74.00*	-27.98
	5150 (Av)		34.17	54.00*	-19.83
	10360 (Pk)		52.02	68.23	-16.21
	10360 (Av)		39.93	54.00	-14.07
	15540 (Pk)		54.76	68.23	-13.47
	15540 (Av)		42.48	54.00	-11.52
	5180 (Pk)	Horizontal	114.48	-	-
	5180 (Av)		100.99	-	-
	5150 (Pk)		53.77	74.00*	-20.23
	5150 (Av)		41.58	54.00*	-12.42
	10360 (Pk)		52.10	68.23	-16.13
	10360 (Av)		39.92	54.00	-14.08
	15540 (Pk)		54.31	68.23	-13.92
	15540 (Av)		42.46	54.00	-11.54
5200	5200 (Pk)	Vertical	108.94	-	-
	5200 (Av)		96.00	-	-
	5150 (Pk)		45.09	74.00*	-28.91
	5150 (Av)		32.26	54.00*	-21.74
	10400 (Pk)		51.85	68.23	-16.38
	10400 (Av)		40.18	54.00	-13.82
	15600 (Pk)		53.59	68.23	-14.64
	15600 (Av)		42.10	54.00	-11.90
	5200 (Pk)	Horizontal	114.40	-	-
	5200 (Av)		101.21	-	-
	5150 (Pk)		48.52	74.00*	-25.48
	5150 (Av)		35.60	54.00*	-18.40
	10400 (Pk)		52.43	68.23	-15.80
	10400 (Av)		40.17	54.00	-13.83
	15600 (Pk)		53.77	68.23	-14.46
	15600 (Av)		42.11	54.00	-11.89
5240	5240 (Pk)	Vertical	108.20	-	-
	5240 (Av)		95.02	-	-
	5350 (Pk)		44.25	74.00*	-29.75
	5350 (Av)		32.28	54.00*	-21.72
	10480 (Pk)		53.42	68.23	-14.81
	10480 (Av)		40.81	54.00	-13.19
	15720 (Pk)		53.97	68.23	-14.26
	15720 (Av)		41.84	54.00	-12.16
	5240 (Pk)	Horizontal	113.47	-	-
	5240 (Av)		101.08	-	-
	5350 (Pk)		47.43	74.00*	-26.57
	5350 (Av)		34.52	54.00*	-19.48
	10480 (Pk)		53.63	68.23	-14.60
	10480 (Av)		40.80	54.00	-13.20
	15720 (Pk)		53.96	68.23	-14.27
	15720 (Av)		41.81	54.00	-12.19

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 100 von 170
Page 100 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	114.02	-	-
	5745 (Av)		100.63	-	-
	5725(Pk)		57.71	122.20*	-64.49
	5720(Pk)		54.46	110.80*	-56.34
	5700(Pk)		47.63	105.20*	-57.57
	5650(Pk)		51.52	68.20*	-16.68
	11490 (Pk)		55.63	68.23	-12.60
	11490 (Av)		43.07	54.00	-10.93
	17235 (Pk)		57.42	68.23	-10.81
	17235 (Av)		45.16	54.00	-8.84
	5745 (Pk)	Horizontal	116.22	-	-
	5745 (Av)		102.45	-	-
	5725(Pk)		63.77	122.20*	-58.43
	5720(Pk)		57.95	110.80*	-52.85
	5700(Pk)		49.45	105.20*	-55.75
	5650(Pk)		49.72	68.20*	-18.48
	11490 (Pk)		55.36	68.23	-12.87
	11490 (Av)		43.35	54.00	-10.65
	17235 (Pk)		58.47	68.23	-9.76
	17235 (Av)		45.21	54.00	-8.79
5785	5785 (Pk)	Vertical	115.30	-	-
	5785 (Av)		101.73	-	-
	5725(Pk)		51.42	122.20*	-70.78
	5720(Pk)		44.76	110.80*	-66.04
	5700(Pk)		44.07	105.20*	-61.13
	5650(Pk)		44.62	68.20*	-23.58
	11570 (Pk)		54.76	68.23	-13.47
	11570 (Av)		42.90	54.00	-11.10
	17355 (Pk)		58.15	68.23	-10.08
	17355 (Av)		45.52	54.00	-8.48
	5785 (Pk)	Horizontal	116.39	-	-
	5785 (Av)		102.73	-	-
	5725(Pk)		51.19	122.20*	-71.01
	5720(Pk)		45.75	110.80*	-65.05
	5700(Pk)		45.98	105.20*	-59.22
	5650(Pk)		46.13	68.20*	-22.07
	11570 (Pk)		54.94	68.23	-13.29
	11570 (Av)		43.03	54.00	-10.97
	17355 (Pk)		57.85	68.23	-10.38
	17355 (Av)		45.56	54.00	-8.44
5825	5825 (Pk)	Vertical	114.96	-	-
	5825 (Av)		101.41	-	-
	5850 (Pk)		56.31	122.20*	-65.89
	5855(Pk)		52.90	110.80*	-57.90
	5875(Pk)		48.00	105.20*	-57.20
	5925 (Pk)		49.03	68.20*	-19.17
	11650 (Pk)		54.36	68.23	-13.87
	11650 (Av)		42.32	54.00	-11.68
	17475 (Pk)		58.69	68.23	-9.54
	17475 (Av)		46.77	54.00	-7.23
	5825 (Pk)	Horizontal	116.27	-	-
	5825 (Av)		102.59	-	-
	5850 (Pk)		55.68	122.20*	-66.52
	5855(Pk)		54.58	110.80*	-56.22
	5875(Pk)		48.62	105.20*	-56.58
	5925 (Pk)		49.54	68.20*	-18.66
	11650 (Pk)		54.88	68.23	-13.35
	11650 (Av)		42.44	54.00	-11.56
	17475 (Pk)		60.08	68.23	-8.15
	17475 (Pk)		46.72	54.00	-7.28

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 101 von 170

Page 101 of 170

Channel Bandwidth: 40MHz

Modulation: 802.11n

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	105.67	-	-
	5190 (Av)		94.61	-	-
	5150 (Pk)		49.53	74.00*	-24.47
	5150 (Av)		36.16	54.00*	-17.84
	10380 (Pk)		52.67	68.23	-15.56
	10380 (Av)		40.12	54.00	-13.88
	15570 (Pk)		54.46	68.23	-13.77
	15570 (Av)		42.20	54.00	-11.80
	5190 (Pk)	Horizontal	110.32	-	-
	5190 (Av)		100.27	-	-
	5150 (Pk)		63.04	74.00*	-10.96
	5150 (Av)		46.46	54.00*	-7.54
	10380 (Pk)		52.61	68.23	-15.62
	10380 (Av)		40.13	54.00	-13.87
	15570 (Pk)		54.75	68.23	-13.48
	15570 (Av)		42.11	54.00	-11.89
5230	5230 (Pk)	Vertical	105.58	-	-
	5230 (Av)		94.40	-	-
	5350 (Pk)		45.13	74.00*	-28.87
	5350 (Av)		32.63	54.00*	-21.37
	10460 (Pk)		53.01	68.23	-15.22
	10460 (Av)		40.71	54.00	-13.29
	15690 (Pk)		54.39	68.23	-13.84
	15690 (Av)		41.74	54.00	-12.26
	5230 (Pk)	Horizontal	110.03	-	-
	5230 (Av)		99.76	-	-
	5350 (Pk)		47.16	74.00*	-26.84
	5350 (Av)		34.74	54.00*	-19.26
	10460 (Pk)		52.59	68.23	-15.64
	10460 (Av)		40.71	54.00	-13.29
	15690 (Pk)		53.40	68.23	-14.83
	15690 (Av)		41.75	54.00	-12.25

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 102 von 170

Page 102 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	111.72	-	-
	5755 (Av)		101.05	-	-
	5725(Pk)		66.63	122.20*	-55.57
	5720(Pk)		65.30	110.80*	-45.50
	5700(Pk)		51.40	105.20*	-53.80
	5650(Pk)		49.66	68.20*	-18.54
	11510 (Pk)		56.78	68.23	-11.45
	11510 (Av)		42.91	54.00	-11.09
	17265 (Pk)		56.30	68.23	-11.93
	17265 (Av)		44.29	54.00	-9.71
	5755 (Pk)	Horizontal	112.50	-	-
	5755 (Av)		102.36	-	-
	5725(Pk)		70.28	122.20*	-51.92
	5720(Pk)		67.80	110.80*	-43.00
	5700(Pk)		54.09	105.20*	-51.11
	5650(Pk)		48.00	68.20*	-20.20
	11510 (Pk)		56.17	68.23	-12.06
	11510 (Av)		43.25	54.00	-10.75
	17265 (Pk)		56.04	68.23	-12.19
	17265 (Av)		44.31	54.00	-9.69
5795	5795 (Pk)	Vertical	111.92	-	-
	5795 (Av)		101.26	-	-
	5850 (Pk)		51.98	122.20*	-70.22
	5855(Pk)		52.20	110.80*	-58.60
	5875(Pk)		49.58	105.20*	-55.62
	5925 (Pk)		48.63	68.20*	-19.57
	11590 (Pk)		54.79	68.23	-13.44
	11590 (Av)		42.56	54.00	-11.44
	17385 (Pk)		57.07	68.23	-11.16
	17385 (Pk)		44.79	54.00	-9.21
	5795 (Pk)	Horizontal	111.95	-	-
	5795 (Av)		101.71	-	-
	5850 (Pk)		54.69	122.20*	-67.51
	5855(Pk)		53.27	110.80*	-57.53
	5875(Pk)		49.43	105.20*	-55.77
	5925 (Pk)		49.67	68.20*	-18.53
	11590 (Pk)		54.18	68.23	-14.05
	11590 (Av)		42.73	54.00	-11.27
	17385 (Pk)		57.09	68.23	-11.14
	17385 (Pk)		44.79	54.00	-9.21

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 103 von 170

Page 103 of 170

Modulation: 802.11ac

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	105.51	-	-
	5190 (Av)		94.56	-	-
	5150 (Pk)		49.46	74.00*	-24.54
	5150 (Av)		36.03	54.00*	-17.97
	10380 (Pk)		52.42	68.23	-15.81
	10380 (Av)		40.22	54.00	-13.78
	15570 (Pk)		54.55	68.23	-13.68
	15570 (Av)		42.12	54.00	-11.88
	5190 (Pk)	Horizontal	110.14	-	-
	5190 (Av)		99.53	-	-
	5150 (Pk)		62.39	74.00*	-11.61
	5150 (Av)		45.10	54.00*	-8.90
	10380 (Pk)		52.44	68.23	-15.79
	10380 (Av)		40.06	54.00	-13.94
	15570 (Pk)		54.32	68.23	-13.91
	15570 (Av)		42.06	54.00	-11.94
5230	5230 (Pk)	Vertical	105.36	-	-
	5230 (Av)		94.60	-	-
	5350 (Pk)		44.24	74.00*	-29.76
	5350 (Av)		32.56	54.00*	-21.44
	10460 (Pk)		53.37	68.23	-14.86
	10460 (Av)		40.69	54.00	-13.31
	15690 (Pk)		53.91	68.23	-14.32
	15690 (Av)		41.61	54.00	-12.39
	5230 (Pk)	Horizontal	110.70	-	-
	5230 (Av)		100.74	-	-
	5350 (Pk)		47.97	74.00*	-26.03
	5350 (Av)		34.99	54.00*	-19.01
	10460 (Pk)		52.82	68.23	-15.41
	10460 (Av)		40.63	54.00	-13.37
	15690 (Pk)		53.88	68.23	-14.35
	15690 (Av)		41.64	54.00	-12.36

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 104 von 170
Page 104 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	111.64	-	-
	5755 (Av)		101.02	-	-
	5725(Pk)		68.24	122.20*	-53.96
	5720(Pk)		64.62	110.80*	-46.18
	5700(Pk)		49.37	105.20*	-55.83
	5650(Pk)		50.21	68.20*	-17.99
	11510 (Pk)		54.60	68.23	-13.63
	11510 (Av)		42.92	54.00	-11.08
	17265 (Pk)		56.07	68.23	-12.16
	17265 (Av)		44.28	54.00	-9.72
	5755 (Pk)	Horizontal	112.54	-	-
	5755 (Av)		102.13	-	-
	5725(Pk)		70.24	122.20*	-51.96
	5720(Pk)		67.05	110.80*	-43.75
	5700(Pk)		52.65	105.20*	-52.55
	5650(Pk)		47.66	68.20*	-20.54
	11510 (Pk)		55.26	68.23	-12.97
	11510 (Av)		43.25	54.00	-10.75
	17265 (Pk)		56.32	68.23	-11.91
	17265 (Av)		44.34	54.00	-9.66
5795	5795 (Pk)	Vertical	112.17	-	-
	5795 (Av)		101.28	-	-
	5850 (Pk)		52.22	122.20*	-69.98
	5855(Pk)		51.88	110.80*	-58.92
	5875(Pk)		49.40	105.20*	-55.80
	5925 (Pk)		48.26	68.20*	-19.94
	11590 (Pk)		55.18	68.23	-13.05
	11590 (Av)		42.52	54.00	-11.48
	17385 (Pk)		56.70	68.23	-11.53
	17385 (Pk)		44.78	54.00	-9.22
	5795 (Pk)	Horizontal	111.67	-	-
	5795 (Av)		101.67	-	-
	5850 (Pk)		52.49	122.20*	-69.71
	5855(Pk)		52.05	110.80*	-58.75
	5875(Pk)		49.36	105.20*	-55.84
	5925 (Pk)		48.97	68.20*	-19.23
	11590 (Pk)		54.97	68.23	-13.26
	11590 (Av)		42.61	54.00	-11.39
	17385 (Pk)		56.74	68.23	-11.49
	17385 (Pk)		44.76	54.00	-9.24

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 105 von 170

Page 105 of 170

Modulation: 802.11ax

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	107.52	-	-
	5190 (Av)		94.14	-	-
	5150 (Pk)		49.03	74.00*	-24.97
	5150 (Av)		36.03	54.00*	-17.97
	10380 (Pk)		51.90	68.23	-16.33
	10380 (Av)		39.97	54.00	-14.03
	15570 (Pk)		53.80	68.23	-14.43
	15570 (Av)		41.93	54.00	-12.07
	5190 (Pk)	Horizontal	112.97	-	-
	5190 (Av)		99.89	-	-
	5150 (Pk)		62.79	74.00*	-11.21
	5150 (Av)		46.04	54.00*	-7.96
	10380 (Pk)		52.25	68.23	-15.98
	10380 (Av)		39.87	54.00	-14.13
	15570 (Pk)		54.93	68.23	-13.30
	15570 (Av)		42.04	54.00	-11.96
5230	5230 (Pk)	Vertical	107.31	-	-
	5230 (Av)		94.31	-	-
	5350 (Pk)		44.67	74.00*	-29.33
	5350 (Av)		32.53	54.00*	-21.47
	10460 (Pk)		52.70	68.23	-15.53
	10460 (Av)		40.48	54.00	-13.52
	15690 (Pk)		53.54	68.23	-14.69
	15690 (Av)		41.51	54.00	-12.49
	5230 (Pk)	Horizontal	113.08	-	-
	5230 (Av)		100.28	-	-
	5350 (Pk)		47.83	74.00*	-26.17
	5350 (Av)		34.92	54.00*	-19.08
	10460 (Pk)		54.74	68.23	-13.49
	10460 (Av)		40.54	54.00	-13.46
	15690 (Pk)		54.23	68.23	-14.00
	15690 (Av)		41.54	54.00	-12.46

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 106 von 170

Page 106 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	114.38	-	-
	5755 (Av)		100.97	-	-
	5725(Pk)		68.34	122.20*	-53.86
	5720(Pk)		67.42	110.80*	-43.38
	5700(Pk)		51.89	105.20*	-53.31
	5650(Pk)		50.55	68.20*	-17.65
	11510 (Pk)		56.44	68.23	-11.79
	11510 (Av)		42.90	54.00	-11.10
	17265 (Pk)		57.15	68.23	-11.08
	17265 (Av)		44.31	54.00	-9.69
	5755 (Pk)	Horizontal	115.35	-	-
	5755 (Av)		102.02	-	-
	5725(Pk)		69.92	122.20*	-52.28
	5720(Pk)		67.08	110.80*	-43.72
	5700(Pk)		53.76	105.20*	-51.44
	5650(Pk)		48.63	68.20*	-19.57
	11510 (Pk)		55.56	68.23	-12.67
	11510 (Av)		43.11	54.00	-10.89
	17265 (Pk)		56.42	68.23	-11.81
	17265 (Av)		44.25	54.00	-9.75
5795	5795 (Pk)	Vertical	114.93	-	-
	5795 (Av)		101.29	-	-
	5850 (Pk)		52.17	122.20*	-70.03
	5855(Pk)		51.74	110.80*	-59.06
	5875(Pk)		49.58	105.20*	-55.62
	5925 (Pk)		48.60	68.20*	-19.60
	11590 (Pk)		54.71	68.23	-13.52
	11590 (Av)		42.55	54.00	-11.45
	17385 (Pk)		56.59	68.23	-11.64
	17385 (Pk)		44.79	54.00	-9.21
	5795 (Pk)	Horizontal	115.23	-	-
	5795 (Av)		101.56	-	-
	5850 (Pk)		55.18	122.20*	-67.02
	5855(Pk)		52.62	110.80*	-58.18
	5875(Pk)		49.39	105.20*	-55.81
	5925 (Pk)		49.38	68.20*	-18.82
	11590 (Pk)		54.78	68.23	-13.45
	11590 (Av)		42.55	54.00	-11.45
	17385 (Pk)		56.92	68.23	-11.31
	17385 (Pk)		44.78	54.00	-9.22

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 107 von 170

Page 107 of 170

Channel Bandwidth: 80MHz

Modulation: 802.11ac

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5210	5210 (Pk)	Vertical	102.51	-	-
	5210 (Av)		91.47	-	-
	5150 (Pk)		51.72	74.00*	-22.28
	5150 (Av)		37.59	54.00*	-16.41
	10420 (Pk)		52.23	68.23	-16.00
	10420 (Av)		40.25	54.00	-13.75
	15630 (Pk)		54.57	68.23	-13.66
	15630 (Av)		41.86	54.00	-12.14
	5210 (Pk)	Horizontal	107.88	-	-
	5210 (Av)		97.15	-	-
	5150 (Pk)		62.80	74.00*	-11.20
	5150 (Av)		49.27	54.00*	-4.73
	10420 (Pk)		52.64	68.23	-15.59
	10420 (Av)		40.15	54.00	-13.85
	15630 (Pk)		53.78	68.23	-14.45
	15630 (Av)		41.82	54.00	-12.18
5775	5775 (Pk)	Vertical	104.01	-	-
	5775 (Pk)		93.18	-	-
	5850 (Pk)		48.24	122.20*	-73.96
	5855 (Pk)		47.59	110.80*	-63.21
	5875 (Pk)		46.91	105.20*	-58.29
	5925 (Pk)		45.64	68.20*	-22.56
	11550 (Pk)		57.30	68.23	-10.93
	11550 (Av)		44.33	54.00	-9.67
	17325 (Pk)		57.75	68.23	-10.48
	17325 (Av)		45.34	54.00	-8.66
	5775 (Pk)	Horizontal	104.80	-	-
	5775 (Pk)		94.32	-	-
	5850 (Pk)		48.94	122.20*	-73.26
	5855 (Pk)		49.16	110.80*	-61.64
	5875 (Pk)		46.91	105.20*	-58.29
	5925 (Pk)		46.84	68.20*	-21.36
	11550 (Av)		54.91	68.23	-13.32
	11550 (Pk)		42.89	54.00	-11.11
	17325 (Pk)		57.81	68.23	-10.42
	17325 (Av)		45.40	54.00	-8.60

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 108 von 170

Page 108 of 170

Modulation: 802.11ax

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5210	5210 (Pk)	Vertical	104.33	-	-
	5210 (Av)		91.03	-	-
	5150 (Pk)		49.51	74.00*	-24.49
	5150 (Av)		37.08	54.00*	-16.92
	10420 (Pk)		51.89	68.23	-16.34
	10420 (Av)		40.02	54.00	-13.98
	15630 (Pk)		53.90	68.23	-14.33
	15630 (Av)		41.67	54.00	-12.33
	5210 (Pk)	Horizontal	109.90	-	-
	5210 (Av)		97.26	-	-
	5150 (Pk)		63.76	74.00*	-10.24
	5150 (Av)		50.08	54.00*	-3.92
	10420 (Pk)		52.00	68.23	-16.23
	10420 (Av)		39.96	54.00	-14.04
	15630 (Pk)		54.70	68.23	-13.53
	15630 (Av)		41.66	54.00	-12.34
5775	5775 (Pk)	Vertical	106.51	-	-
	5775 (Pk)		93.14	-	-
	5850 (Pk)		47.51	122.20*	-74.69
	5855 (Pk)		47.20	110.80*	-63.60
	5875 (Pk)		46.66	105.20*	-58.54
	5925 (Pk)		46.18	68.20*	-22.02
	11550 (Pk)		57.66	68.23	-10.57
	11550 (Av)		44.33	54.00	-9.67
	17325 (Pk)		57.05	68.23	-11.18
	17325 (Av)		45.31	54.00	-8.69
	5775 (Pk)	Horizontal	107.58	-	-
	5775 (Pk)		94.23	-	-
	5850 (Pk)		48.66	122.20*	-73.54
	5855 (Pk)		48.47	110.80*	-62.33
	5875 (Pk)		46.58	105.20*	-58.62
	5925 (Pk)		47.03	68.20*	-21.17
	11550 (Av)		59.25	68.23	-8.98
	11550 (Pk)		45.35	54.00	-8.65
	17325 (Pk)		57.52	68.23	-10.71
	17325 (Av)		45.33	54.00	-8.67

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 109 von 170

Page 109 of 170

Antenna Type & Antenna Gain: Integrated Panel Antenna & 24dBi

Channel Bandwidth: 20MHz

Modulation: 802.11a

Data Rate: 6Mbps

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	117.35	-	-
	5180 (Av)		108.08	-	-
	5150 (Pk)		62.35	74.00*	-11.65
	5150 (Av)		48.33	54.00*	-5.67
	10360 (Pk)		55.99	68.23	-12.24
	10360 (Av)		41.80	54.00	-12.20
	15540 (Pk)		55.58	68.23	-12.65
	15540 (Av)		43.27	54.00	-10.73
	5180 (Pk)	Horizontal	115.73	-	-
	5180 (Av)		105.16	-	-
	5150 (Pk)		54.64	74.00*	-19.36
	5150 (Av)		40.60	54.00*	-13.40
	10360 (Pk)		53.85	68.23	-14.38
	10360 (Av)		40.48	54.00	-13.52
	15540 (Pk)		55.74	68.23	-12.49
	15540 (Av)		43.28	54.00	-10.72
5200	5200 (Pk)	Vertical	118.00	-	-
	5200 (Av)		108.78	-	-
	5150 (Pk)		54.58	74.00*	-19.42
	5150 (Av)		40.28	54.00*	-13.72
	10400 (Pk)		53.22	68.23	-15.01
	10400 (Av)		42.00	54.00	-12.00
	15600 (Pk)		55.21	68.23	-13.02
	15600 (Av)		42.95	54.00	-11.05
	5200 (Pk)	Horizontal	116.18	-	-
	5200 (Av)		106.02	-	-
	5150 (Pk)		50.60	74.00*	-23.40
	5150 (Av)		37.30	54.00*	-16.70
	10400 (Pk)		53.15	68.23	-15.08
	10400 (Av)		40.66	54.00	-13.34
	15600 (Pk)		55.17	68.23	-13.06
	15600 (Av)		42.94	54.00	-11.06
5240	5240 (Pk)	Vertical	118.48	-	-
	5240 (Av)		108.88	-	-
	5350 (Pk)		51.53	74.00*	-22.47
	5350 (Av)		38.65	54.00*	-15.35
	10480 (Pk)		52.42	68.23	-15.81
	10480 (Av)		40.71	54.00	-13.29
	15720 (Pk)		54.84	68.23	-13.39
	15720 (Av)		42.39	54.00	-11.61
	5240 (Pk)	Horizontal	115.89	-	-
	5240 (Av)		106.13	-	-
	5350 (Pk)		50.59	74.00*	-23.41
	5350 (Av)		37.93	54.00*	-16.07
	10480 (Pk)		53.43	68.23	-14.80
	10480 (Av)		40.72	54.00	-13.28
	15720 (Pk)		54.46	68.23	-13.77
	15720 (Av)		42.44	54.00	-11.56

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 110 von 170
Page 110 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	116.38	-	-
	5745 (Av)		106.43	-	-
	5725(Pk)		68.05	122.20*	-54.15
	5720(Pk)		61.81	110.80*	-48.99
	5700(Pk)		53.94	105.20*	-51.26
	5650(Pk)		52.50	68.20*	-15.70
	11490 (Pk)		54.29	68.23	-13.94
	11490 (Av)		42.05	54.00	-11.95
	17235 (Pk)		58.61	68.23	-9.62
	17235 (Av)		46.01	54.00	-7.99
	5745 (Pk)	Horizontal	120.34	-	-
	5745 (Av)		110.10	-	-
	5725(Pk)		82.80	122.20*	-39.40
	5720(Pk)		73.24	110.80*	-37.56
	5700(Pk)		57.51	105.20*	-47.69
	5650(Pk)		57.34	68.20*	-10.86
	11490 (Pk)		53.86	68.23	-14.37
	11490 (Av)		41.85	54.00	-12.15
	17235 (Pk)		57.81	68.23	-10.42
	17235 (Av)		45.95	54.00	-8.05
5785	5785 (Pk)	Vertical	116.39	-	-
	5785 (Av)		106.55	-	-
	5725(Pk)		56.01	122.20*	-66.19
	5720(Pk)		49.33	110.80*	-61.47
	5700(Pk)		49.35	105.20*	-55.85
	5650(Pk)		50.11	68.20*	-18.09
	11570 (Pk)		54.18	68.23	-14.05
	11570 (Av)		41.87	54.00	-12.13
	17355 (Pk)		58.96	68.23	-9.27
	17355 (Av)		46.71	54.00	-7.29
	5785 (Pk)	Horizontal	121.53	-	-
	5785 (Av)		110.66	-	-
	5725(Pk)		57.42	122.20*	-64.78
	5720(Pk)		54.89	110.80*	-55.91
	5700(Pk)		52.36	105.20*	-52.84
	5650(Pk)		51.62	68.20*	-16.58
	11570 (Pk)		53.80	68.23	-14.43
	11570 (Av)		41.52	54.00	-12.48
	17355 (Pk)		58.73	68.23	-9.50
	17355 (Av)		46.60	54.00	-7.40
5825	5825 (Pk)	Vertical	118.27	-	-
	5825 (Av)		108.51	-	-
	5850 (Pk)		68.83	122.20*	-53.37
	5855(Pk)		66.66	110.80*	-44.14
	5875(Pk)		54.74	105.20*	-50.46
	5925 (Pk)		53.39	68.20*	-14.81
	11650 (Pk)		53.08	68.23	-15.15
	11650 (Av)		41.53	54.00	-12.47
	17475 (Pk)		60.12	68.23	-8.11
	17475 (Av)		47.39	54.00	-6.61
	5825 (Pk)	Horizontal	122.02	-	-
	5825 (Av)		111.09	-	-
	5850 (Pk)		75.37	122.20*	-46.83
	5855(Pk)		72.85	110.80*	-37.95
	5875(Pk)		61.99	105.20*	-43.21
	5925 (Pk)		53.26	68.20*	-14.94
	11650 (Pk)		52.94	68.23	-15.29
	11650 (Av)		41.40	54.00	-12.60
	17475 (Pk)		59.42	68.23	-8.81
	17475 (Pk)		47.42	54.00	-6.58

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 111 von 170

Page 111 of 170

Modulation: 802.11n-20MHz

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	117.58	-	-
	5180 (Av)		107.17	-	-
	5150 (Pk)		62.79	74.00*	-11.21
	5150 (Av)		47.85	54.00*	-6.15
	10360 (Pk)		53.03	68.23	-15.20
	10360 (Av)		41.11	54.00	-12.89
	15540 (Pk)		54.17	68.23	-14.06
	15540 (Av)		42.32	54.00	-11.68
	5180 (Pk)	Horizontal	116.07	-	-
	5180 (Av)		104.15	-	-
	5150 (Pk)		53.26	74.00*	-20.74
	5150 (Av)		38.38	54.00*	-15.62
	10360 (Pk)		51.84	68.23	-16.39
	10360 (Av)		40.33	54.00	-13.67
	15540 (Pk)		54.45	68.23	-13.78
	15540 (Av)		42.26	54.00	-11.74
5200	5200 (Pk)	Vertical	117.92	-	-
	5200 (Av)		107.85	-	-
	5150 (Pk)		53.58	74.00*	-20.42
	5150 (Av)		40.31	54.00*	-13.69
	10400 (Pk)		53.79	68.23	-14.44
	10400 (Av)		41.77	54.00	-12.23
	15600 (Pk)		53.46	68.23	-14.77
	15600 (Av)		41.72	54.00	-12.28
	5200 (Pk)	Horizontal	115.62	-	-
	5200 (Av)		104.63	-	-
	5150 (Pk)		49.69	74.00*	-24.31
	5150 (Av)		36.86	54.00*	-17.14
	10400 (Pk)		52.52	68.23	-15.71
	10400 (Av)		40.55	54.00	-13.45
	15600 (Pk)		54.05	68.23	-14.18
	15600 (Av)		41.87	54.00	-12.13
5240	5240 (Pk)	Vertical	118.66	-	-
	5240 (Av)		107.98	-	-
	5350 (Pk)		50.81	74.00*	-23.19
	5350 (Av)		38.71	54.00*	-15.29
	10480 (Pk)		52.82	68.23	-15.41
	10480 (Av)		41.16	54.00	-12.84
	15720 (Pk)		52.55	68.23	-15.68
	15720 (Av)		40.83	54.00	-13.17
	5240 (Pk)	Horizontal	116.42	-	-
	5240 (Av)		105.50	-	-
	5350 (Pk)		49.61	74.00*	-24.39
	5350 (Av)		38.10	54.00*	-15.90
	10480 (Pk)		52.52	68.23	-15.71
	10480 (Av)		40.51	54.00	-13.49
	15720 (Pk)		53.64	68.23	-14.59
	15720 (Av)		40.77	54.00	-13.23

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 112 von 170
Page 112 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	115.01	-	-
	5745 (Av)		104.56	-	-
	5725(Pk)		66.39	122.20*	-55.81
	5720(Pk)		59.30	110.80*	-51.50
	5700(Pk)		52.80	105.20*	-52.40
	5650(Pk)		50.98	68.20*	-17.22
	11490 (Pk)		54.08	68.23	-14.15
	11490 (Av)		42.01	54.00	-11.99
	17235 (Pk)		57.55	68.23	-10.68
	17235 (Av)		45.97	54.00	-8.03
	5745 (Pk)	Horizontal	119.06	-	-
	5745 (Av)		107.73	-	-
	5725(Pk)		79.81	122.20*	-42.39
	5720(Pk)		72.85	110.80*	-37.95
	5700(Pk)		55.13	105.20*	-50.07
	5650(Pk)		56.99	68.20*	-11.21
	11490 (Pk)		54.07	68.23	-14.16
	11490 (Av)		42.02	54.00	-11.98
	17235 (Pk)		58.54	68.23	-9.69
	17235 (Av)		45.96	54.00	-8.04
5785	5785 (Pk)	Vertical	115.62	-	-
	5785 (Av)		104.83	-	-
	5725(Pk)		55.78	122.20*	-66.42
	5720(Pk)		49.28	110.80*	-61.52
	5700(Pk)		48.96	105.20*	-56.24
	5650(Pk)		48.77	68.20*	-19.43
	11570 (Pk)		53.77	68.23	-14.46
	11570 (Av)		41.81	54.00	-12.19
	17355 (Pk)		59.08	68.23	-9.15
	17355 (Av)		46.52	54.00	-7.48
	5785 (Pk)	Horizontal	119.92	-	-
	5785 (Av)		108.61	-	-
	5725(Pk)		56.32	122.20*	-65.88
	5720(Pk)		50.72	110.80*	-60.08
	5700(Pk)		50.25	105.20*	-54.95
	5650(Pk)		49.38	68.20*	-18.82
	11570 (Pk)		54.67	68.23	-13.56
	11570 (Av)		41.73	54.00	-12.27
	17355 (Pk)		58.85	68.23	-9.38
	17355 (Av)		46.56	54.00	-7.44
5825	5825 (Pk)	Vertical	118.22	-	-
	5825 (Av)		106.85	-	-
	5850 (Pk)		70.12	122.20*	-52.08
	5855(Pk)		66.57	110.80*	-44.23
	5875(Pk)		53.82	105.20*	-51.38
	5925 (Pk)		52.65	68.20*	-15.55
	11650 (Pk)		53.05	68.23	-15.18
	11650 (Av)		41.66	54.00	-12.34
	17475 (Pk)		60.37	68.23	-7.86
	17475 (Av)		47.32	54.00	-6.68
	5825 (Pk)	Horizontal	120.07	-	-
	5825 (Av)		108.76	-	-
	5850 (Pk)		74.45	122.20*	-47.75
	5855(Pk)		72.65	110.80*	-38.15
	5875(Pk)		56.49	105.20*	-48.71
	5925 (Pk)		53.41	68.20*	-14.79
	11650 (Pk)		53.82	68.23	-14.41
	11650 (Av)		41.47	54.00	-12.53
	17475 (Pk)		59.30	68.23	-8.93
	17475 (Pk)		47.41	54.00	-6.59

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 113 von 170
Page 113 of 170

Modulation: 802.11ac-20MHz

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	117.36	-	-
	5180 (Av)		107.10	-	-
	5150 (Pk)		64.29	74.00*	-9.71
	5150 (Av)		47.69	54.00*	-6.31
	10360 (Pk)		53.51	68.23	-14.72
	10360 (Av)		40.82	54.00	-13.18
	15540 (Pk)		54.16	68.23	-14.07
	15540 (Av)		41.91	54.00	-12.09
	5180 (Pk)	Horizontal	116.29	-	-
	5180 (Av)		104.49	-	-
	5150 (Pk)		54.44	74.00*	-19.56
	5150 (Av)		40.87	54.00*	-13.13
	10360 (Pk)		51.79	68.23	-16.44
	10360 (Av)		40.06	54.00	-13.94
	15540 (Pk)		53.87	68.23	-14.36
	15540 (Av)		41.84	54.00	-12.16
5200	5200 (Pk)	Vertical	118.10	-	-
	5200 (Av)		107.74	-	-
	5150 (Pk)		52.79	74.00*	-21.21
	5150 (Av)		40.27	54.00*	-13.73
	10400 (Pk)		53.08	68.23	-15.15
	10400 (Av)		41.55	54.00	-12.45
	15600 (Pk)		53.60	68.23	-14.63
	15600 (Av)		41.50	54.00	-12.50
	5200 (Pk)	Horizontal	115.60	-	-
	5200 (Av)		104.57	-	-
	5150 (Pk)		50.10	74.00*	-23.90
	5150 (Av)		36.90	54.00*	-17.10
	10400 (Pk)		54.20	68.23	-14.03
	10400 (Av)		40.28	54.00	-13.72
	15600 (Pk)		53.64	68.23	-14.59
	15600 (Av)		41.46	54.00	-12.54
5240	5240 (Pk)	Vertical	118.35	-	-
	5240 (Av)		107.92	-	-
	5350 (Pk)		51.54	74.00*	-22.46
	5350 (Av)		38.69	54.00*	-15.31
	10480 (Pk)		53.02	68.23	-15.21
	10480 (Av)		40.60	54.00	-13.40
	15720 (Pk)		52.49	68.23	-15.74
	15720 (Av)		40.57	54.00	-13.43
	5240 (Pk)	Horizontal	116.24	-	-
	5240 (Av)		105.11	-	-
	5350 (Pk)		50.12	74.00*	-23.88
	5350 (Av)		38.06	54.00*	-15.94
	10480 (Pk)		52.22	68.23	-16.01
	10480 (Av)		40.46	54.00	-13.54
	15720 (Pk)		52.60	68.23	-15.63
	15720 (Av)		40.61	54.00	-13.39

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 114 von 170
Page 114 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	114.95	-	-
	5745 (Av)		104.29	-	-
	5725(Pk)		67.05	122.20*	-55.15
	5720(Pk)		60.20	110.80*	-50.60
	5700(Pk)		51.40	105.20*	-53.80
	5650(Pk)		49.60	68.20*	-18.60
	11490 (Pk)		54.15	68.23	-14.08
	11490 (Av)		41.98	54.00	-12.02
	17235 (Pk)		58.33	68.23	-9.90
	17235 (Av)		45.87	54.00	-8.13
	5745 (Pk)	Horizontal	118.75	-	-
	5745 (Av)		107.52	-	-
	5725(Pk)		80.76	122.20*	-41.44
	5720(Pk)		73.01	110.80*	-37.79
	5700(Pk)		55.12	105.20*	-50.08
	5650(Pk)		56.21	68.20*	-11.99
	11490 (Pk)		53.68	68.23	-14.55
	11490 (Av)		41.92	54.00	-12.08
	17235 (Pk)		58.33	68.23	-9.90
	17235 (Av)		45.84	54.00	-8.16
5785	5785 (Pk)	Vertical	115.55	-	-
	5785 (Av)		104.88	-	-
	5725(Pk)		51.88	122.20*	-70.32
	5720(Pk)		47.71	110.80*	-63.09
	5700(Pk)		49.16	105.20*	-56.04
	5650(Pk)		48.56	68.20*	-19.64
	11570 (Pk)		53.89	68.23	-14.34
	11570 (Av)		41.81	54.00	-12.19
	17355 (Pk)		58.66	68.23	-9.57
	17355 (Av)		46.59	54.00	-7.41
	5785 (Pk)	Horizontal	119.77	-	-
	5785 (Av)		108.41	-	-
	5725(Pk)		56.44	122.20*	-65.76
	5720(Pk)		51.36	110.80*	-59.44
	5700(Pk)		50.59	105.20*	-54.61
	5650(Pk)		50.59	68.20*	-17.61
	11570 (Pk)		54.14	68.23	-14.09
	11570 (Av)		41.70	54.00	-12.30
	17355 (Pk)		58.87	68.23	-9.36
	17355 (Av)		46.58	54.00	-7.42
5825	5825 (Pk)	Vertical	117.31	-	-
	5825 (Av)		106.53	-	-
	5850 (Pk)		68.61	122.20*	-53.59
	5855(Pk)		65.88	110.80*	-44.92
	5875(Pk)		53.18	105.20*	-52.02
	5925 (Pk)		52.05	68.20*	-16.15
	11650 (Pk)		54.16	68.23	-14.07
	11650 (Av)		41.71	54.00	-12.29
	17475 (Pk)		59.25	68.23	-8.98
	17475 (Av)		47.36	54.00	-6.64
	5825 (Pk)	Horizontal	120.09	-	-
	5825 (Av)		108.68	-	-
	5850 (Pk)		74.18	122.20*	-48.02
	5855(Pk)		71.33	110.80*	-39.47
	5875(Pk)		56.23	105.20*	-48.97
	5925 (Pk)		52.44	68.20*	-15.76
	11650 (Pk)		52.95	68.23	-15.28
	11650 (Av)		41.21	54.00	-12.79
	17475 (Pk)		58.84	68.23	-9.39
	17475 (Pk)		47.21	54.00	-6.79

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 115 von 170
Page 115 of 170

Modulation: 802.11ax-20MHz

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	120.15	-	-
	5180 (Av)		107.25	-	-
	5150 (Pk)		65.57	74.00*	-8.43
	5150 (Av)		50.70	54.00*	-3.30
	10360 (Pk)		54.24	68.23	-13.99
	10360 (Av)		40.92	54.00	-13.08
	15540 (Pk)		53.96	68.23	-14.27
	15540 (Av)		41.58	54.00	-12.42
	5180 (Pk)	Horizontal	117.71	-	-
	5180 (Av)		104.63	-	-
	5150 (Pk)		57.31	74.00*	-16.69
	5150 (Av)		43.29	54.00*	-10.71
	10360 (Pk)		52.39	68.23	-15.84
	10360 (Av)		40.01	54.00	-13.99
	15540 (Pk)		53.31	68.23	-14.92
	15540 (Av)		41.53	54.00	-12.47
5200	5200 (Pk)	Vertical	120.56	-	-
	5200 (Av)		107.86	-	-
	5150 (Pk)		53.61	74.00*	-20.39
	5150 (Av)		40.65	54.00*	-13.35
	10400 (Pk)		53.61	68.23	-14.62
	10400 (Av)		41.63	54.00	-12.37
	15600 (Pk)		52.83	68.23	-15.40
	15600 (Av)		41.13	54.00	-12.87
	5200 (Pk)	Horizontal	117.41	-	-
	5200 (Av)		104.92	-	-
	5150 (Pk)		51.54	74.00*	-22.46
	5150 (Av)		38.91	54.00*	-15.09
	10400 (Pk)		51.91	68.23	-16.32
	10400 (Av)		40.23	54.00	-13.77
	15600 (Pk)		53.18	68.23	-15.05
	15600 (Av)		41.09	54.00	-12.91
5240	5240 (Pk)	Vertical	121.06	-	-
	5240 (Av)		108.01	-	-
	5350 (Pk)		51.30	74.00*	-22.70
	5350 (Av)		38.71	54.00*	-15.29
	10480 (Pk)		51.45	68.23	-16.78
	10480 (Av)		40.27	54.00	-13.73
	15720 (Pk)		51.98	68.23	-16.25
	15720 (Av)		40.13	54.00	-13.87
	5240 (Pk)	Horizontal	118.22	-	-
	5240 (Av)		103.00	-	-
	5350 (Pk)		50.06	74.00*	-23.94
	5350 (Av)		38.09	54.00*	-15.91
	10480 (Pk)		53.30	68.23	-14.93
	10480 (Av)		40.37	54.00	-13.63
	15720 (Pk)		51.64	68.23	-16.59
	15720 (Av)		40.23	54.00	-13.77

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 116 von 170
Page 116 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	117.73	-	-
	5745 (Av)		104.42	-	-
	5725(Pk)		68.75	122.20*	-53.45
	5720(Pk)		65.14	110.80*	-45.66
	5700(Pk)		53.49	105.20*	-51.71
	5650(Pk)		50.93	68.20*	-17.27
	11490 (Pk)		55.35	68.23	-12.88
	11490 (Av)		42.83	54.00	-11.17
	17235 (Pk)		59.48	68.23	-8.75
	17235 (Av)		46.47	54.00	-7.53
	5745 (Pk)	Horizontal	121.22	-	-
	5745 (Av)		107.63	-	-
	5725(Pk)		83.75	122.20*	-38.45
	5720(Pk)		76.22	110.80*	-34.58
	5700(Pk)		59.28	105.20*	-45.92
	5650(Pk)		57.87	68.20*	-10.33
	11490 (Pk)		54.96	68.23	-13.27
	11490 (Av)		42.82	54.00	-11.18
	17235 (Pk)		58.59	68.23	-9.64
	17235 (Av)		46.48	54.00	-7.52
5785	5785 (Pk)	Vertical	117.96	-	-
	5785 (Av)		104.68	-	-
	5725(Pk)		55.36	122.20*	-66.84
	5720(Pk)		48.35	110.80*	-62.45
	5700(Pk)		48.64	105.20*	-56.56
	5650(Pk)		48.80	68.20*	-19.40
	11570 (Pk)		54.44	68.23	-13.79
	11570 (Av)		42.77	54.00	-11.23
	17355 (Pk)		59.44	68.23	-8.79
	17355 (Av)		47.10	54.00	-6.90
	5785 (Pk)	Horizontal	121.82	-	-
	5785 (Av)		108.33	-	-
	5725(Pk)		56.57	122.20*	-65.63
	5720(Pk)		51.53	110.80*	-59.27
	5700(Pk)		50.60	105.20*	-54.60
	5650(Pk)		50.63	68.20*	-17.57
	11570 (Pk)		54.85	68.23	-13.38
	11570 (Av)		42.57	54.00	-11.43
	17355 (Pk)		59.86	68.23	-8.37
	17355 (Av)		47.11	54.00	-6.89
5825	5825 (Pk)	Vertical	120.08	-	-
	5825 (Av)		106.77	-	-
	5850 (Pk)		69.92	122.20*	-52.28
	5855(Pk)		66.71	110.80*	-44.09
	5875(Pk)		53.47	105.20*	-51.73
	5925 (Pk)		51.64	68.20*	-16.56
	11650 (Pk)		55.19	68.23	-13.04
	11650 (Av)		42.71	54.00	-11.29
	17475 (Pk)		59.80	68.23	-8.43
	17475 (Av)		47.91	54.00	-6.09
	5825 (Pk)	Horizontal	121.40	-	-
	5825 (Av)		108.24	-	-
	5850 (Pk)		78.24	122.20*	-43.96
	5855(Pk)		71.81	110.80*	-38.99
	5875(Pk)		61.22	105.20*	-43.98
	5925 (Pk)		52.55	68.20*	-15.65
	11650 (Pk)		55.22	68.23	-13.01
	11650 (Av)		42.94	54.00	-11.06
	17475 (Pk)		60.57	68.23	-7.66
	17475 (Pk)		47.94	54.00	-6.06

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 117 von 170

Page 117 of 170

Bandwidth: 40MHz

Modulation: 802.11n-40MHz

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	111.58	-	-
	5190 (Av)		101.38	-	-
	5150 (Pk)		67.12	74.00*	-6.88
	5150 (Av)		51.39	54.00*	-2.61
	10380 (Pk)		52.33	68.23	-15.90
	10380 (Av)		39.92	54.00	-14.08
	15570 (Pk)		52.81	68.23	-15.42
	15570 (Av)		41.14	54.00	-12.86
	5190 (Pk)	Horizontal	112.72	-	-
	5190 (Av)		101.64	-	-
	5150 (Pk)		68.07	74.00*	-5.93
	5150 (Av)		53.83	54.00*	-0.17
	10380 (Pk)		51.58	68.23	-16.65
	10380 (Av)		39.84	54.00	-14.16
	15570 (Pk)		52.91	68.23	-15.32
	15570 (Av)		41.22	54.00	-12.78
5230	5230 (Pk)	Vertical	111.67	-	-
	5230 (Av)		101.66	-	-
	5350 (Pk)		48.24	74.00*	-25.76
	5350 (Av)		35.93	54.00*	-18.07
	10460 (Pk)		52.06	68.23	-16.17
	10460 (Av)		40.23	54.00	-13.77
	15690 (Pk)		52.52	68.23	-15.71
	15690 (Av)		40.21	54.00	-13.79
	5230 (Pk)	Horizontal	109.16	-	-
	5230 (Av)		98.30	-	-
	5350 (Pk)		46.68	74.00*	-27.32
	5350 (Av)		33.73	54.00*	-20.27
	10460 (Pk)		52.94	68.23	-15.29
	10460 (Av)		40.20	54.00	-13.80
	15690 (Pk)		51.75	68.23	-16.48
	15690 (Av)		40.27	54.00	-13.73

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 118 von 170
Page 118 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	113.06	-	-
	5755 (Av)		102.57	-	-
	5725(Pk)		73.66	122.20*	-48.54
	5720(Pk)		72.10	110.80*	-38.70
	5700(Pk)		59.11	105.20*	-46.09
	5650(Pk)		51.17	68.20*	-17.03
	11510 (Pk)		54.65	68.23	-13.58
	11510 (Av)		42.54	54.00	-11.46
	17265 (Pk)		59.05	68.23	-9.18
	17265 (Av)		46.25	54.00	-7.75
	5755 (Pk)	Horizontal	117.51	-	-
	5755 (Av)		106.49	-	-
	5725(Pk)		88.21	122.20*	-33.99
	5720(Pk)		87.81	110.80*	-22.99
	5700(Pk)		67.01	105.20*	-38.19
	5650(Pk)		56.18	68.20*	-12.02
	11510 (Pk)		54.84	68.23	-13.39
	11510 (Av)		42.61	54.00	-11.39
	17265 (Pk)		57.98	68.23	-10.25
	17265 (Av)		46.24	54.00	-7.76
5795	5795 (Pk)	Vertical	114.00	-	-
	5795 (Av)		102.82	-	-
	5850 (Pk)		61.01	122.20*	-61.19
	5855(Pk)		60.10	110.80*	-50.70
	5875(Pk)		50.59	105.20*	-54.61
	5925 (Pk)		49.78	68.20*	-18.42
	11590 (Pk)		54.38	68.23	-13.85
	11590 (Av)		42.68	54.00	-11.32
	17385 (Pk)		58.94	68.23	-9.29
	17385 (Pk)		46.42	54.00	-7.58
	5795 (Pk)	Horizontal	117.53	-	-
	5795 (Av)		106.09	-	-
	5850 (Pk)		68.56	122.20*	-53.64
	5855(Pk)		67.70	110.80*	-43.10
	5875(Pk)		66.13	105.20*	-39.07
	5925 (Pk)		51.82	68.20*	-16.38
	11590 (Pk)		54.47	68.23	-13.76
	11590 (Av)		42.56	54.00	-11.44
	17385 (Pk)		58.18	68.23	-10.05
	17385 (Pk)		46.43	54.00	-7.57

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 119 von 170
Page 119 of 170

Modulation: 802.11ac-20MHz

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	111.57	-	-
	5190 (Av)		101.04	-	-
	5150 (Pk)		66.79	74.00*	-7.21
	5150 (Av)		51.00	54.00*	-3.00
	10380 (Pk)		52.47	68.23	-15.76
	10380 (Av)		39.88	54.00	-14.12
	15570 (Pk)		52.37	68.23	-15.86
	15570 (Av)		41.01	54.00	-12.99
	5190 (Pk)	Horizontal	109.11	-	-
	5190 (Av)		98.17	-	-
	5150 (Pk)		59.57	74.00*	-14.43
	5150 (Av)		44.19	54.00*	-9.81
	10380 (Pk)		51.69	68.23	-16.54
	10380 (Av)		39.78	54.00	-14.22
	15570 (Pk)		52.54	68.23	-15.69
	15570 (Av)		40.97	54.00	-13.03
5230	5230 (Pk)	Vertical	111.56	-	-
	5230 (Av)		101.56	-	-
	5350 (Pk)		47.88	74.00*	-26.12
	5350 (Av)		35.86	54.00*	-18.14
	10460 (Pk)		52.36	68.23	-15.87
	10460 (Av)		40.18	54.00	-13.82
	15690 (Pk)		52.46	68.23	-15.77
	15690 (Av)		40.15	54.00	-13.85
	5230 (Pk)	Horizontal	109.41	-	-
	5230 (Av)		99.09	-	-
	5350 (Pk)		46.25	74.00*	-27.75
	5350 (Av)		33.80	54.00*	-20.20
	10460 (Pk)		51.76	68.23	-16.47
	10460 (Av)		40.17	54.00	-13.83
	15690 (Pk)		53.54	68.23	-14.69
	15690 (Av)		40.13	54.00	-13.87

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 120 von 170
Page 120 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	112.58	-	-
	5755 (Av)		102.35	-	-
	5725(Pk)		75.56	122.20*	-46.64
	5720(Pk)		71.71	110.80*	-39.09
	5700(Pk)		58.08	105.20*	-47.12
	5650(Pk)		50.33	68.20*	-17.87
	11510 (Pk)		54.71	68.23	-13.52
	11510 (Av)		42.54	54.00	-11.46
	17265 (Pk)		58.74	68.23	-9.49
	17265 (Av)		46.21	54.00	-7.79
	5755 (Pk)	Horizontal	117.27	-	-
	5755 (Av)		106.45	-	-
	5725(Pk)		89.25	122.20*	-32.95
	5720(Pk)		86.66	110.80*	-24.14
	5700(Pk)		67.01	105.20*	-38.19
	5650(Pk)		56.14	68.20*	-12.06
	11510 (Pk)		55.44	68.23	-12.79
	11510 (Av)		42.58	54.00	-11.42
	17265 (Pk)		58.14	68.23	-10.09
	17265 (Av)		46.22	54.00	-7.78
5795	5795 (Pk)	Vertical	113.35	-	-
	5795 (Av)		102.74	-	-
	5850 (Pk)		61.10	122.20*	-61.10
	5855(Pk)		58.23	110.80*	-52.57
	5875(Pk)		50.73	105.20*	-54.47
	5925 (Pk)		48.67	68.20*	-19.53
	11590 (Pk)		54.80	68.23	-13.43
	11590 (Av)		42.72	54.00	-11.28
	17385 (Pk)		59.34	68.23	-8.89
	17385 (Pk)		46.45	54.00	-7.55
	5795 (Pk)	Horizontal	117.68	-	-
	5795 (Av)		106.07	-	-
	5850 (Pk)		67.99	122.20*	-54.21
	5855(Pk)		67.36	110.80*	-43.44
	5875(Pk)		64.76	105.20*	-40.44
	5925 (Pk)		52.11	68.20*	-16.09
	11590 (Pk)		54.94	68.23	-13.29
	11590 (Av)		42.58	54.00	-11.42
	17385 (Pk)		59.02	68.23	-9.21
	17385 (Pk)		46.45	54.00	-7.55

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 121 von 170
Page 121 of 170

Modulation: 802.11ax-40MHz

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	113.55	-	-
	5190 (Av)		100.41	-	-
	5150 (Pk)		67.09	74.00*	-6.91
	5150 (Av)		50.41	54.00*	-3.59
	10380 (Pk)		51.34	68.23	-16.89
	10380 (Av)		39.82	54.00	-14.18
	15570 (Pk)		52.78	68.23	-15.45
	15570 (Av)		41.06	54.00	-12.94
	5190 (Pk)	Horizontal	110.78	-	-
	5190 (Av)		97.41	-	-
	5150 (Pk)		59.30	74.00*	-14.70
	5150 (Av)		43.17	54.00*	-10.83
	10380 (Pk)		52.31	68.23	-15.92
	10380 (Av)		39.81	54.00	-14.19
	15570 (Pk)		53.52	68.23	-14.71
	15570 (Av)		41.04	54.00	-12.96
5230	5230 (Pk)	Vertical	114.10	-	-
	5230 (Av)		101.04	-	-
	5350 (Pk)		47.83	74.00*	-26.17
	5350 (Av)		35.82	54.00*	-18.18
	10460 (Pk)		52.51	68.23	-15.72
	10460 (Av)		40.21	54.00	-13.79
	15690 (Pk)		51.86	68.23	-16.37
	15690 (Av)		40.19	54.00	-13.81
	5230 (Pk)	Horizontal	111.03	-	-
	5230 (Av)		98.08	-	-
	5350 (Pk)		45.33	74.00*	-28.67
	5350 (Av)		33.56	54.00*	-20.44
	10460 (Pk)		51.38	68.23	-16.85
	10460 (Av)		40.15	54.00	-13.85
	15690 (Pk)		51.83	68.23	-16.40
	15690 (Av)		40.19	54.00	-13.81

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 122 von 170
Page 122 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	115.08	-	-
	5755 (Av)		101.86	-	-
	5725(Pk)		72.23	122.20*	-49.97
	5720(Pk)		71.07	110.80*	-39.73
	5700(Pk)		56.68	105.20*	-48.52
	5650(Pk)		48.85	68.20*	-19.35
	11510 (Pk)		54.38	68.23	-13.85
	11510 (Av)		42.53	54.00	-11.47
	17265 (Pk)		58.78	68.23	-9.45
	17265 (Av)		46.23	54.00	-7.77
	5755 (Pk)	Horizontal	119.41	-	-
	5755 (Av)		105.75	-	-
	5725(Pk)		87.63	122.20*	-34.57
	5720(Pk)		88.43	110.80*	-22.37
	5700(Pk)		68.31	105.20*	-36.89
	5650(Pk)		57.15	68.20*	-11.05
	11510 (Pk)		55.44	68.23	-12.79
	11510 (Av)		42.58	54.00	-11.42
	17265 (Pk)		58.25	68.23	-9.98
	17265 (Av)		46.22	54.00	-7.78
5795	5795 (Pk)	Vertical	115.76	-	-
	5795 (Av)		102.05	-	-
	5850 (Pk)		61.21	122.20*	-60.99
	5855(Pk)		59.96	110.80*	-50.84
	5875(Pk)		49.82	105.20*	-55.38
	5925 (Pk)		48.31	68.20*	-19.89
	11590 (Pk)		54.49	68.23	-13.74
	11590 (Av)		42.71	54.00	-11.29
	17385 (Pk)		59.26	68.23	-8.97
	17385 (Pk)		46.38	54.00	-7.62
	5795 (Pk)	Horizontal	118.89	-	-
	5795 (Av)		105.46	-	-
	5850 (Pk)		69.74	122.20*	-52.46
	5855(Pk)		67.36	110.80*	-43.44
	5875(Pk)		63.58	105.20*	-41.62
	5925 (Pk)		52.03	68.20*	-16.17
	11590 (Pk)		55.37	68.23	-12.86
	11590 (Av)		42.58	54.00	-11.42
	17385 (Pk)		58.56	68.23	-9.67
	17385 (Pk)		46.43	54.00	-7.57

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 123 von 170

Page 123 of 170

Bandwidth: 80MHz

Modulation: 802.11ac

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5210	5210 (Pk)	Vertical	109.50	-	-
	5210 (Av)		98.61	-	-
	5150 (Pk)		66.54	74.00*	-7.46
	5150 (Av)		51.82	54.00*	-2.18
	10420 (Pk)		52.37	68.23	-15.86
	10420 (Av)		40.17	54.00	-13.83
	15630 (Pk)		52.36	68.23	-15.87
	15630 (Av)		40.35	54.00	-13.65
	5210 (Pk)	Horizontal	106.38	-	-
	5210 (Av)		95.17	-	-
	5150 (Pk)		57.41	74.00*	-16.59
	5150 (Av)		43.98	54.00*	-10.02
	10420 (Pk)		51.38	68.23	-16.85
	10420 (Av)		40.14	54.00	-13.86
	15630 (Pk)		52.73	68.23	-15.50
	15630 (Av)		40.42	54.00	-13.58
5775	5775 (Pk)	Vertical	109.65	-	-
	5775 (Pk)		99.12	-	-
	5850 (Pk)		67.12	122.20*	-55.08
	5855 (Pk)		65.25	110.80*	-45.55
	5875 (Pk)		57.78	105.20*	-47.42
	5925 (Pk)		48.25	68.20*	-19.95
	11550 (Pk)		54.44	68.23	-13.79
	11550 (Av)		42.53	54.00	-11.47
	17325 (Pk)		59.06	68.23	-9.17
	17325 (Av)		46.27	54.00	-7.73
	5775 (Pk)	Horizontal	114.78	-	-
	5775 (Pk)		103.58	-	-
	5850 (Pk)		82.71	122.20*	-39.49
	5855 (Pk)		80.77	110.80*	-30.03
	5875 (Pk)		73.00	105.20*	-32.20
	5925 (Pk)		59.07	68.20*	-9.13
	11550 (Av)		54.62	68.23	-13.61
	11550 (Pk)		42.53	54.00	-11.47
	17325 (Pk)		58.35	68.23	-9.88
	17325 (Av)		46.30	54.00	-7.70

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 124 von 170
Page 124 of 170

Modulation: 802.11ax

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5210	5210 (Pk)	Vertical	111.26	-	-
	5210 (Av)		98.15	-	-
	5150 (Pk)		65.39	74.00*	-8.61
	5150 (Av)		51.93	54.00*	-2.07
	10420 (Pk)		52.13	68.23	-16.10
	10420 (Av)		40.09	54.00	-13.91
	15630 (Pk)		52.52	68.23	-15.71
	15630 (Av)		40.39	54.00	-13.61
	5210 (Pk)	Horizontal	108.42	-	-
	5210 (Av)		95.57	-	-
	5150 (Pk)		56.99	74.00*	-17.01
	5150 (Av)		44.96	54.00*	-9.04
	10420 (Pk)		52.13	68.23	-16.10
	10420 (Av)		40.09	54.00	-13.91
	15630 (Pk)		52.52	68.23	-15.71
	15630 (Av)		40.39	54.00	-13.61
5775	5775 (Pk)	Vertical	113.51	-	-
	5775 (Pk)		98.98	-	-
	5850 (Pk)		68.18	122.20*	-54.02
	5855 (Pk)		67.38	110.80*	-43.42
	5875 (Pk)		59.28	105.20*	-45.92
	5925 (Pk)		49.68	68.20*	-18.52
	11550 (Pk)		55.18	68.23	-13.05
	11550 (Av)		42.53	54.00	-11.47
	17325 (Pk)		58.19	68.23	-10.04
	17325 (Av)		46.30	54.00	-7.70
	5775 (Pk)	Horizontal	117.03	-	-
	5775 (Pk)		103.26	-	-
	5850 (Pk)		82.33	122.20*	-39.87
	5855 (Pk)		81.50	110.80*	-29.30
	5875 (Pk)		74.78	105.20*	-30.42
	5925 (Pk)		59.97	68.20*	-8.23
	11550 (Av)		55.32	68.23	-12.91
	11550 (Pk)		42.49	54.00	-11.51
	17325 (Pk)		57.87	68.23	-10.36
	17325 (Av)		46.28	54.00	-7.72

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 125 von 170

Page 125 of 170

Antenna Type & Antenna Gain: Panel Antenna & 28dBi

Channel Bandwidth: 20MHz

Modulation: 802.11a

Data Rate: 54Mbps

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	118.29	-	-
	5180 (Av)		100.25	-	-
	5150 (Pk)		71.15	74.00*	-2.85
	5150 (Av)		50.25	54.00*	-3.75
	10360 (Pk)		55.64	68.23	-12.59
	10360 (Av)		40.55	54.00	-13.45
	15540 (Pk)		54.96	68.23	-13.27
	15540 (Av)		42.73	54.00	-11.27
	5180 (Pk)	Horizontal	118.07	-	-
	5180 (Av)		100.56	-	-
	5150 (Pk)		70.25	74.00*	-3.75
	5150 (Av)		49.57	54.00*	-4.43
	10360 (Pk)		51.51	68.23	-16.72
	10360 (Av)		39.90	54.00	-14.10
	15540 (Pk)		55.04	68.23	-13.19
	15540 (Av)		42.72	54.00	-11.28
5200	5200 (Pk)	Vertical	119.53	-	-
	5200 (Av)		101.26	-	-
	5150 (Pk)		63.01	74.00*	-10.99
	5150 (Av)		43.52	54.00*	-10.48
	10400 (Pk)		57.11	68.23	-11.12
	10400 (Av)		42.22	54.00	-11.78
	15600 (Pk)		54.89	68.23	-13.34
	15600 (Av)		42.13	54.00	-11.87
	5200 (Pk)	Horizontal	118.47	-	-
	5200 (Av)		100.92	-	-
	5150 (Pk)		63.68	74.00*	-10.32
	5150 (Av)		41.57	54.00*	-12.43
	10400 (Pk)		55.38	68.23	-12.85
	10400 (Av)		41.70	54.00	-12.30
	15600 (Pk)		53.64	68.23	-14.59
	15600 (Av)		42.10	54.00	-11.90
5240	5240 (Pk)	Vertical	120.27	-	-
	5240 (Av)		102.02	-	-
	5350 (Pk)		52.45	74.00*	-21.55
	5350 (Av)		38.10	54.00*	-15.90
	10480 (Pk)		57.90	68.23	-10.33
	10480 (Av)		42.21	54.00	-11.79
	15720 (Pk)		54.14	68.23	-14.09
	15720 (Av)		41.87	54.00	-12.13
	5240 (Pk)	Horizontal	119.00	-	-
	5240 (Av)		101.31	-	-
	5350 (Pk)		53.50	74.00*	-20.50
	5350 (Av)		38.73	54.00*	-15.27
	10480 (Pk)		54.92	68.23	-13.31
	10480 (Av)		41.38	54.00	-12.62
	15720 (Pk)		53.48	68.23	-14.75
	15720 (Av)		41.87	54.00	-12.13

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 126 von 170
Page 126 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	120.38	-	-
	5745 (Av)		102.22	-	-
	5725(Pk)		95.57	122.20*	-26.63
	5720(Pk)		85.91	110.80*	-24.89
	5700(Pk)		68.03	105.20*	-37.17
	5650(Pk)		53.83	68.20*	-14.37
	11490 (Pk)		54.19	68.23	-14.04
	11490 (Av)		42.70	54.00	-11.30
	17235 (Pk)		56.61	68.23	-11.62
	17235 (Av)		44.69	54.00	-9.31
	5745 (Pk)	Horizontal	121.72	-	-
	5745 (Av)		103.73	-	-
	5725(Pk)		100.39	122.20*	-21.81
	5720(Pk)		92.46	110.80*	-18.34
	5700(Pk)		75.37	105.20*	-29.83
	5650(Pk)		58.58	68.20*	-9.62
	11490 (Pk)		54.82	68.23	-13.41
	11490 (Av)		42.75	54.00	-11.25
	17235 (Pk)		57.17	68.23	-11.06
	17235 (Av)		44.67	54.00	-9.33
5785	5785 (Pk)	Vertical	120.59	-	-
	5785 (Av)		102.33	-	-
	5725(Pk)		62.83	122.20*	-59.37
	5720(Pk)		59.30	110.80*	-51.50
	5700(Pk)		52.94	105.20*	-52.26
	5650(Pk)		52.35	68.20*	-15.85
	11570 (Pk)		53.99	68.23	-14.24
	11570 (Av)		42.12	54.00	-11.88
	17355 (Pk)		57.47	68.23	-10.76
	17355 (Av)		45.18	54.00	-8.82
	5785 (Pk)	Horizontal	122.46	-	-
	5785 (Av)		105.14	-	-
	5725(Pk)		68.87	122.20*	-53.33
	5720(Pk)		63.64	110.80*	-47.16
	5700(Pk)		58.72	105.20*	-46.48
	5650(Pk)		49.78	68.20*	-18.42
	11570 (Pk)		54.98	68.23	-13.25
	11570 (Av)		42.13	54.00	-11.87
	17355 (Pk)		56.98	68.23	-11.25
	17355 (Av)		45.19	54.00	-8.81
5825	5825 (Pk)	Vertical	121.16	-	-
	5825 (Av)		103.21	-	-
	5850 (Pk)		86.66	122.20*	-35.54
	5855(Pk)		84.10	110.80*	-26.70
	5875(Pk)		68.15	105.20*	-37.05
	5925 (Pk)		55.63	68.20*	-12.57
	11650 (Pk)		53.80	68.23	-14.43
	11650 (Av)		41.65	54.00	-12.35
	17475 (Pk)		58.12	68.23	-10.11
	17475 (Av)		46.55	54.00	-7.45
	5825 (Pk)	Horizontal	122.75	-	-
	5825 (Av)		105.41	-	-
	5850 (Pk)		93.13	122.20*	-29.07
	5855(Pk)		91.26	110.80*	-19.54
	5875(Pk)		71.89	105.20*	-33.31
	5925 (Pk)		60.99	68.20*	-7.21
	11650 (Pk)		53.50	68.23	-14.73
	11650 (Av)		41.63	54.00	-12.37
	17475 (Pk)		58.61	68.23	-9.62
	17475 (Pk)		46.54	54.00	-7.46

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 127 von 170

Page 127 of 170

Modulation: 802.11n

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	118.73	-	-
	5180 (Av)		108.04	-	-
	5150 (Pk)		66.65	74.00*	-7.35
	5150 (Av)		50.97	54.00*	-3.03
	10360 (Pk)		52.42	68.23	-15.81
	10360 (Av)		41.35	54.00	-12.65
	15540 (Pk)		54.32	68.23	-13.91
	15540 (Av)		42.48	54.00	-11.52
	5180 (Pk)	Horizontal	118.91	-	-
	5180 (Av)		108.20	-	-
	5150 (Pk)		62.82	74.00*	-11.18
	5150 (Av)		48.48	54.00*	-5.52
	10360 (Pk)		51.68	68.23	-16.55
	10360 (Av)		40.00	54.00	-14.00
	15540 (Pk)		55.19	68.23	-13.04
	15540 (Av)		42.52	54.00	-11.48
5200	5200 (Pk)	Vertical	120.80	-	-
	5200 (Av)		110.04	-	-
	5150 (Pk)		59.30	74.00*	-14.70
	5150 (Av)		44.16	54.00*	-9.84
	10400 (Pk)		58.45	68.23	-9.78
	10400 (Av)		43.79	54.00	-10.21
	15600 (Pk)		54.44	68.23	-13.79
	15600 (Av)		41.91	54.00	-12.09
	5200 (Pk)	Horizontal	120.77	-	-
	5200 (Av)		109.72	-	-
	5150 (Pk)		55.56	74.00*	-18.44
	5150 (Av)		42.06	54.00*	-11.94
	10400 (Pk)		56.14	68.23	-12.09
	10400 (Av)		42.80	54.00	-11.20
	15600 (Pk)		54.37	68.23	-13.86
	15600 (Av)		41.95	54.00	-12.05
5240	5240 (Pk)	Vertical	120.83	-	-
	5240 (Av)		110.37	-	-
	5350 (Pk)		50.63	74.00*	-23.37
	5350 (Av)		38.74	54.00*	-15.26
	10480 (Pk)		57.42	68.23	-10.81
	10480 (Av)		43.60	54.00	-10.40
	15720 (Pk)		53.69	68.23	-14.54
	15720 (Av)		41.64	54.00	-12.36
	5240 (Pk)	Horizontal	120.13	-	-
	5240 (Av)		109.30	-	-
	5350 (Pk)		52.00	74.00*	-22.00
	5350 (Av)		40.02	54.00*	-13.98
	10480 (Pk)		55.23	68.23	-13.00
	10480 (Av)		42.23	54.00	-11.77
	15720 (Pk)		53.36	68.23	-14.87
	15720 (Av)		41.70	54.00	-12.30

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 128 von 170
Page 128 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	121.01	-	-
	5745 (Av)		110.14	-	-
	5725(Pk)		88.33	122.20*	-33.87
	5720(Pk)		78.62	110.80*	-32.18
	5700(Pk)		64.53	105.20*	-40.67
	5650(Pk)		52.57	68.20*	-15.63
	11490 (Pk)		54.77	68.23	-13.46
	11490 (Av)		42.66	54.00	-11.34
	17235 (Pk)		56.63	68.23	-11.60
	17235 (Av)		44.67	54.00	-9.33
	5745 (Pk)	Horizontal	123.01	-	-
	5745 (Av)		111.75	-	-
	5725(Pk)		96.99	122.20*	-25.21
	5720(Pk)		88.42	110.80*	-22.38
	5700(Pk)		71.28	105.20*	-33.92
	5650(Pk)		56.75	68.20*	-11.45
	11490 (Pk)		55.04	68.23	-13.19
	11490 (Av)		42.72	54.00	-11.28
	17235 (Pk)		56.70	68.23	-11.53
	17235 (Av)		44.64	54.00	-9.36
5785	5785 (Pk)	Vertical	121.39	-	-
	5785 (Av)		110.38	-	-
	5725(Pk)		57.38	122.20*	-64.82
	5720(Pk)		54.03	110.80*	-56.77
	5700(Pk)		51.63	105.20*	-53.57
	5650(Pk)		51.83	68.20*	-16.37
	11570 (Pk)		54.52	68.23	-13.71
	11570 (Av)		42.15	54.00	-11.85
	17355 (Pk)		58.03	68.23	-10.20
	17355 (Av)		45.17	54.00	-8.83
	5785 (Pk)	Horizontal	124.31	-	-
	5785 (Av)		113.10	-	-
	5725(Pk)		67.10	122.20*	-55.10
	5720(Pk)		63.38	110.80*	-47.42
	5700(Pk)		54.12	105.20*	-51.08
	5650(Pk)		51.04	68.20*	-17.16
	11570 (Pk)		53.61	68.23	-14.62
	11570 (Av)		42.12	54.00	-11.88
	17355 (Pk)		57.07	68.23	-11.16
	17355 (Av)		45.18	54.00	-8.82
5825	5825 (Pk)	Vertical	121.81	-	-
	5825 (Av)		110.97	-	-
	5850 (Pk)		82.68	122.20*	-39.52
	5855(Pk)		75.13	110.80*	-35.67
	5875(Pk)		65.73	105.20*	-39.47
	5925 (Pk)		54.53	68.20*	-13.67
	11650 (Pk)		54.04	68.23	-14.19
	11650 (Av)		42.01	54.00	-11.99
	17475 (Pk)		58.30	68.23	-9.93
	17475 (Av)		46.56	54.00	-7.44
	5825 (Pk)	Horizontal	123.74	-	-
	5825 (Av)		112.74	-	-
	5850 (Pk)		92.71	122.20*	-29.49
	5855(Pk)		80.57	110.80*	-30.23
	5875(Pk)		73.64	105.20*	-31.56
	5925 (Pk)		57.16	68.20*	-11.04
	11650 (Pk)		53.86	68.23	-14.37
	11650 (Av)		41.63	54.00	-12.37
	17475 (Pk)		58.45	68.23	-9.78
	17475 (Pk)		46.61	54.00	-7.39

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 129 von 170

Page 129 of 170

Modulation: 802.11ac

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	118.78	-	-
	5180 (Av)		107.95	-	-
	5150 (Pk)		66.71	74.00*	-7.29
	5150 (Av)		50.63	54.00*	-3.37
	10360 (Pk)		54.87	68.23	-13.36
	10360 (Av)		41.40	54.00	-12.60
	15540 (Pk)		54.53	68.23	-13.70
	15540 (Av)		42.52	54.00	-11.48
	5180 (Pk)	Horizontal	119.09	-	-
	5180 (Av)		108.17	-	-
	5150 (Pk)		63.19	74.00*	-10.81
	5150 (Av)		48.42	54.00*	-5.58
	10360 (Pk)		52.57	68.23	-15.66
	10360 (Av)		41.23	54.00	-12.77
	15540 (Pk)		54.79	68.23	-13.44
	15540 (Av)		42.51	54.00	-11.49
5200	5200 (Pk)	Vertical	120.30	-	-
	5200 (Av)		109.80	-	-
	5150 (Pk)		58.07	74.00*	-15.93
	5150 (Av)		44.70	54.00*	-9.30
	10400 (Pk)		58.82	68.23	-9.41
	10400 (Av)		43.87	54.00	-10.13
	15600 (Pk)		53.51	68.23	-14.72
	15600 (Av)		41.85	54.00	-12.15
	5200 (Pk)	Horizontal	120.87	-	-
	5200 (Av)		109.65	-	-
	5150 (Pk)		55.32	74.00*	-18.68
	5150 (Av)		42.18	54.00*	-11.82
	10400 (Pk)		56.08	68.23	-12.15
	10400 (Av)		42.91	54.00	-11.09
	15600 (Pk)		54.21	68.23	-14.02
	15600 (Av)		41.92	54.00	-12.08
5240	5240 (Pk)	Vertical	120.91	-	-
	5240 (Av)		110.32	-	-
	5350 (Pk)		51.05	74.00*	-22.95
	5350 (Av)		38.72	54.00*	-15.28
	10480 (Pk)		57.80	68.23	-10.43
	10480 (Av)		43.82	54.00	-10.18
	15720 (Pk)		54.46	68.23	-13.77
	15720 (Av)		41.75	54.00	-12.25
	5240 (Pk)	Horizontal	120.34	-	-
	5240 (Av)		109.30	-	-
	5350 (Pk)		51.76	74.00*	-22.24
	5350 (Av)		39.87	54.00*	-14.13
	10480 (Pk)		56.27	68.23	-11.96
	10480 (Av)		42.19	54.00	-11.81
	15720 (Pk)		53.97	68.23	-14.26
	15720 (Av)		41.72	54.00	-12.28

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 130 von 170
Page 130 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	120.71	-	-
	5745 (Av)		110.38	-	-
	5725(Pk)		88.25	122.20*	-33.95
	5720(Pk)		78.57	110.80*	-32.23
	5700(Pk)		63.98	105.20*	-41.22
	5650(Pk)		53.35	68.20*	-14.85
	11490 (Pk)		55.45	68.23	-12.78
	11490 (Av)		42.78	54.00	-11.22
	17235 (Pk)		56.18	68.23	-12.05
	17235 (Av)		44.76	54.00	-9.24
	5745 (Pk)	Horizontal	123.28	-	-
	5745 (Av)		111.87	-	-
	5725(Pk)		96.82	122.20*	-25.38
	5720(Pk)		88.82	110.80*	-21.98
	5700(Pk)		71.83	105.20*	-33.37
	5650(Pk)		57.11	68.20*	-11.09
	11490 (Pk)		55.30	68.23	-12.93
	11490 (Av)		42.57	54.00	-11.43
	17235 (Pk)		56.92	68.23	-11.31
	17235 (Av)		44.70	54.00	-9.30
5785	5785 (Pk)	Vertical	121.28	-	-
	5785 (Av)		110.54	-	-
	5725(Pk)		58.08	122.20*	-64.12
	5720(Pk)		54.04	110.80*	-56.76
	5700(Pk)		51.88	105.20*	-53.32
	5650(Pk)		51.89	68.20*	-16.31
	11570 (Pk)		54.56	68.23	-13.67
	11570 (Av)		42.20	54.00	-11.80
	17355 (Pk)		57.19	68.23	-11.04
	17355 (Av)		45.22	54.00	-8.78
	5785 (Pk)	Horizontal	124.05	-	-
	5785 (Av)		113.12	-	-
	5725(Pk)		66.10	122.20*	-56.10
	5720(Pk)		62.29	110.80*	-48.51
	5700(Pk)		53.17	105.20*	-52.03
	5650(Pk)		49.36	68.20*	-18.84
	11570 (Pk)		53.88	68.23	-14.35
	11570 (Av)		42.18	54.00	-11.82
	17355 (Pk)		57.76	68.23	-10.47
	17355 (Av)		45.23	54.00	-8.77
5825	5825 (Pk)	Vertical	121.92	-	-
	5825 (Av)		111.22	-	-
	5850 (Pk)		83.21	122.20*	-38.99
	5855(Pk)		75.42	110.80*	-35.38
	5875(Pk)		66.54	105.20*	-38.66
	5925 (Pk)		56.25	68.20*	-11.95
	11650 (Pk)		54.32	68.23	-13.91
	11650 (Av)		41.75	54.00	-12.25
	17475 (Pk)		58.57	68.23	-9.66
	17475 (Av)		46.63	54.00	-7.37
	5825 (Pk)	Horizontal	123.85	-	-
	5825 (Av)		112.90	-	-
	5850 (Pk)		91.49	122.20*	-30.71
	5855(Pk)		79.95	110.80*	-30.85
	5875(Pk)		73.56	105.20*	-31.64
	5925 (Pk)		56.68	68.20*	-11.52
	11650 (Pk)		53.62	68.23	-14.61
	11650 (Av)		41.84	54.00	-12.16
	17475 (Pk)		58.35	68.23	-9.88
	17475 (Pk)		46.59	54.00	-7.41

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 131 von 170

Page 131 of 170

Modulation: 802.11ax

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	120.40	-	-
	5180 (Av)		107.02	-	-
	5150 (Pk)		65.94	74.00*	-8.06
	5150 (Av)		50.17	54.00*	-3.83
	10360 (Pk)		52.14	68.23	-16.09
	10360 (Av)		41.16	54.00	-12.84
	15540 (Pk)		54.35	68.23	-13.88
	15540 (Av)		42.58	54.00	-11.42
	5180 (Pk)	Horizontal	119.66	-	-
	5180 (Av)		107.20	-	-
	5150 (Pk)		63.49	74.00*	-10.51
	5150 (Av)		48.68	54.00*	-5.32
	10360 (Pk)		52.28	68.23	-15.95
	10360 (Av)		40.52	54.00	-13.48
	15540 (Pk)		55.00	68.23	-13.23
	15540 (Av)		42.53	54.00	-11.47
5200	5200 (Pk)	Vertical	122.31	-	-
	5200 (Av)		109.47	-	-
	5150 (Pk)		61.11	74.00*	-12.89
	5150 (Av)		47.04	54.00*	-6.96
	10400 (Pk)		58.27	68.23	-9.96
	10400 (Av)		44.16	54.00	-9.84
	15600 (Pk)		54.21	68.23	-14.02
	15600 (Av)		41.88	54.00	-12.12
	5200 (Pk)	Horizontal	122.35	-	-
	5200 (Av)		109.52	-	-
	5150 (Pk)		58.24	74.00*	-15.76
	5150 (Av)		43.65	54.00*	-10.35
	10400 (Pk)		56.48	68.23	-11.75
	10400 (Av)		42.86	54.00	-11.14
	15600 (Pk)		53.77	68.23	-14.46
	15600 (Av)		41.87	54.00	-12.13
5240	5240 (Pk)	Vertical	123.37	-	-
	5240 (Av)		110.12	-	-
	5350 (Pk)		51.63	74.00*	-22.37
	5350 (Av)		38.78	54.00*	-15.22
	10480 (Pk)		58.98	68.23	-9.25
	10480 (Av)		43.78	54.00	-10.22
	15720 (Pk)		54.71	68.23	-13.52
	15720 (Av)		41.72	54.00	-12.28
	5240 (Pk)	Horizontal	121.95	-	-
	5240 (Av)		109.32	-	-
	5350 (Pk)		52.65	74.00*	-21.35
	5350 (Av)		39.92	54.00*	-14.08
	10480 (Pk)		57.38	68.23	-10.85
	10480 (Av)		42.37	54.00	-11.63
	15720 (Pk)		54.07	68.23	-14.16
	15720 (Av)		41.74	54.00	-12.26

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 132 von 170
Page 132 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	123.46	-	-
	5745 (Av)		110.29	-	-
	5725(Pk)		91.28	122.20*	-30.92
	5720(Pk)		84.61	110.80*	-26.19
	5700(Pk)		68.16	105.20*	-37.04
	5650(Pk)		52.39	68.20*	-15.81
	11490 (Pk)		55.24	68.23	-12.99
	11490 (Av)		42.76	54.00	-11.24
	17235 (Pk)		56.68	68.23	-11.55
	17235 (Av)		44.78	54.00	-9.22
	5745 (Pk)	Horizontal	124.85	-	-
	5745 (Av)		111.79	-	-
	5725(Pk)		98.39	122.20*	-23.81
	5720(Pk)		95.29	110.80*	-15.51
	5700(Pk)		70.61	105.20*	-34.59
	5650(Pk)		56.55	68.20*	-11.65
	11490 (Pk)		54.82	68.23	-13.41
	11490 (Av)		42.74	54.00	-11.26
	17235 (Pk)		56.98	68.23	-11.25
	17235 (Av)		44.69	54.00	-9.31
5785	5785 (Pk)	Vertical	123.64	-	-
	5785 (Av)		110.34	-	-
	5725(Pk)		58.25	122.20*	-63.95
	5720(Pk)		53.91	110.80*	-56.89
	5700(Pk)		51.76	105.20*	-53.44
	5650(Pk)		52.42	68.20*	-15.78
	11570 (Pk)		53.90	68.23	-14.33
	11570 (Av)		42.17	54.00	-11.83
	17355 (Pk)		57.14	68.23	-11.09
	17355 (Av)		45.19	54.00	-8.81
	5785 (Pk)	Horizontal	125.81	-	-
	5785 (Av)		112.94	-	-
	5725(Pk)		67.96	122.20*	-54.24
	5720(Pk)		65.31	110.80*	-45.49
	5700(Pk)		55.29	105.20*	-49.91
	5650(Pk)		50.40	68.20*	-17.80
	11570 (Pk)		54.14	68.23	-14.09
	11570 (Av)		42.15	54.00	-11.85
	17355 (Pk)		57.45	68.23	-10.78
	17355 (Av)		45.24	54.00	-8.76
5825	5825 (Pk)	Vertical	124.31	-	-
	5825 (Av)		111.04	-	-
	5850 (Pk)		87.69	122.20*	-34.51
	5855(Pk)		75.51	110.80*	-35.29
	5875(Pk)		69.77	105.20*	-35.43
	5925 (Pk)		56.74	68.20*	-11.46
	11650 (Pk)		54.27	68.23	-13.96
	11650 (Av)		41.74	54.00	-12.26
	17475 (Pk)		58.98	68.23	-9.25
	17475 (Av)		46.59	54.00	-7.41
	5825 (Pk)	Horizontal	125.61	-	-
	5825 (Av)		112.72	-	-
	5850 (Pk)		96.65	122.20*	-25.55
	5855(Pk)		83.63	110.80*	-27.17
	5875(Pk)		72.31	105.20*	-32.89
	5925 (Pk)		58.07	68.20*	-10.13
	11650 (Pk)		53.38	68.23	-14.85
	11650 (Av)		41.74	54.00	-12.26
	17475 (Pk)		58.97	68.23	-9.26
	17475 (Pk)		45.59	54.00	-8.41

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 133 von 170

Page 133 of 170

Channel Bandwidth: 40MHz

Modulation: 802.11n

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	109.79	-	-
	5190 (Av)		98.32	-	-
	5150 (Pk)		61.85	74.00*	-12.15
	5150 (Av)		45.25	54.00*	-8.75
	10380 (Pk)		52.41	68.23	-15.82
	10380 (Av)		40.06	54.00	-13.94
	15570 (Pk)		54.87	68.23	-13.36
	15570 (Av)		41.90	54.00	-12.10
	5190 (Pk)	Horizontal	113.32	-	-
	5190 (Av)		101.45	-	-
	5150 (Pk)		67.40	74.00*	-6.60
	5150 (Av)		50.67	54.00*	-3.33
	10380 (Pk)		53.42	68.23	-14.81
	10380 (Av)		40.16	54.00	-13.84
	15570 (Pk)		54.01	68.23	-14.22
	15570 (Av)		41.78	54.00	-12.22
5230	5230 (Pk)	Vertical	117.80	-	-
	5230 (Av)		106.93	-	-
	5350 (Pk)		55.06	74.00*	-18.94
	5350 (Av)		40.07	54.00*	-13.93
	10460 (Pk)		53.62	68.23	-14.61
	10460 (Av)		40.78	54.00	-13.22
	15690 (Pk)		54.21	68.23	-14.02
	15690 (Av)		41.50	54.00	-12.50
	5230 (Pk)	Horizontal	116.03	-	-
	5230 (Av)		105.76	-	-
	5350 (Pk)		54.04	74.00*	-19.96
	5350 (Av)		40.07	54.00*	-13.93
	10460 (Pk)		52.89	68.23	-15.34
	10460 (Av)		40.92	54.00	-13.08
	15690 (Pk)		53.07	68.23	-15.16
	15690 (Av)		41.48	54.00	-12.52

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 134 von 170
Page 134 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	117.45	-	-
	5755 (Av)		106.23	-	-
	5725(Pk)		89.15	122.20*	-33.05
	5720(Pk)		87.94	110.80*	-22.86
	5700(Pk)		67.09	105.20*	-38.11
	5650(Pk)		56.57	68.20*	-11.63
	11510 (Pk)		57.60	68.23	-10.63
	11510 (Av)		44.84	54.00	-9.16
	17265 (Pk)		56.35	68.23	-11.88
	17265 (Av)		45.01	54.00	-8.99
	5755 (Pk)	Horizontal	116.39	-	-
	5755 (Av)		106.24	-	-
	5725(Pk)		86.90	122.20*	-35.30
	5720(Pk)		85.59	110.80*	-25.21
	5700(Pk)		66.34	105.20*	-38.86
	5650(Pk)		53.05	68.20*	-15.15
	11510 (Pk)		58.57	68.23	-9.66
	11510 (Av)		45.00	54.00	-9.00
	17265 (Pk)		57.69	68.23	-10.54
	17265 (Av)		44.94	54.00	-9.06
5795	5795 (Pk)	Vertical	117.84	-	-
	5795 (Av)		106.94	-	-
	5850 (Pk)		68.92	122.20*	-53.28
	5855(Pk)		68.30	110.80*	-42.50
	5875(Pk)		63.27	105.20*	-41.93
	5925 (Pk)		52.91	68.20*	-15.29
	11590 (Pk)		58.19	68.23	-10.04
	11590 (Av)		44.35	54.00	-9.65
	17385 (Pk)		58.33	68.23	-9.90
	17385 (Pk)		45.12	54.00	-8.88
	5795 (Pk)	Horizontal	116.06	-	-
	5795 (Av)		105.80	-	-
	5850 (Pk)		66.25	122.20*	-55.95
	5855(Pk)		65.32	110.80*	-45.48
	5875(Pk)		58.85	105.20*	-46.35
	5925 (Pk)		52.27	68.20*	-15.93
	11590 (Pk)		56.95	68.23	-11.28
	11590 (Av)		43.94	54.00	-10.06
	17385 (Pk)		57.25	68.23	-10.98
	17385 (Pk)		45.12	54.00	-8.88

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 135 von 170

Page 135 of 170

Modulation: 802.11ac

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	109.89	-	-
	5190 (Av)		98.93	-	-
	5150 (Pk)		61.86	74.00*	-12.14
	5150 (Av)		45.78	54.00*	-8.22
	10380 (Pk)		52.48	68.23	-15.75
	10380 (Av)		40.17	54.00	-13.83
	15570 (Pk)		54.99	68.23	-13.24
	15570 (Av)		42.27	54.00	-11.73
	5190 (Pk)	Horizontal	112.92	-	-
	5190 (Av)		101.93	-	-
	5150 (Pk)		68.47	74.00*	-5.53
	5150 (Av)		51.26	54.00*	-2.74
	10380 (Pk)		51.76	68.23	-16.47
	10380 (Av)		40.11	54.00	-13.89
	15570 (Pk)		54.81	68.23	-13.42
	15570 (Av)		42.26	54.00	-11.74
5230	5230 (Pk)	Vertical	117.80	-	-
	5230 (Av)		106.86	-	-
	5350 (Pk)		55.67	74.00*	-18.33
	5350 (Av)		40.10	54.00*	-13.90
	10460 (Pk)		53.18	68.23	-15.05
	10460 (Av)		40.79	54.00	-13.21
	15690 (Pk)		53.61	68.23	-14.62
	15690 (Av)		41.50	54.00	-12.50
	5230 (Pk)	Horizontal	116.84	-	-
	5230 (Av)		105.86	-	-
	5350 (Pk)		52.60	74.00*	-21.40
	5350 (Av)		40.06	54.00*	-13.94
	10460 (Pk)		53.52	68.23	-14.71
	10460 (Av)		40.92	54.00	-13.08
	15690 (Pk)		53.36	68.23	-14.87
	15690 (Av)		41.50	54.00	-12.50

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 136 von 170
Page 136 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	117.03	-	-
	5755 (Av)		105.82	-	-
	5725(Pk)		88.18	122.20*	-34.02
	5720(Pk)		86.57	110.80*	-24.23
	5700(Pk)		67.19	105.20*	-38.01
	5650(Pk)		56.39	68.20*	-11.81
	11510 (Pk)		57.16	68.23	-11.07
	11510 (Av)		44.31	54.00	-9.69
	17265 (Pk)		56.67	68.23	-11.56
	17265 (Av)		44.99	54.00	-9.01
	5755 (Pk)	Horizontal	115.74	-	-
	5755 (Av)		105.64	-	-
	5725(Pk)		84.93	122.20*	-37.27
	5720(Pk)		82.45	110.80*	-28.35
	5700(Pk)		64.50	105.20*	-40.70
	5650(Pk)		50.81	68.20*	-17.39
	11510 (Pk)		54.43	68.23	-13.80
	11510 (Av)		42.60	54.00	-11.40
	17265 (Pk)		57.01	68.23	-11.22
	17265 (Av)		45.00	54.00	-9.00
5795	5795 (Pk)	Vertical	117.20	-	-
	5795 (Av)		106.37	-	-
	5850 (Pk)		68.31	122.20*	-53.89
	5855(Pk)		67.21	110.80*	-43.59
	5875(Pk)		62.78	105.20*	-42.42
	5925 (Pk)		54.05	68.20*	-14.15
	11590 (Pk)		57.43	68.23	-10.80
	11590 (Av)		43.96	54.00	-10.04
	17385 (Pk)		57.18	68.23	-11.05
	17385 (Pk)		45.13	54.00	-8.87
	5795 (Pk)	Horizontal	115.45	-	-
	5795 (Av)		105.35	-	-
	5850 (Pk)		64.59	122.20*	-57.61
	5855(Pk)		63.58	110.80*	-47.22
	5875(Pk)		56.46	105.20*	-48.74
	5925 (Pk)		51.80	68.20*	-16.40
	11590 (Pk)		55.45	68.23	-12.78
	11590 (Av)		43.44	54.00	-10.56
	17385 (Pk)		56.93	68.23	-11.30
	17385 (Pk)		45.15	54.00	-8.85

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 137 von 170

Page 137 of 170

Modulation: 802.11ax

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	111.33	-	-
	5190 (Av)		98.49	-	-
	5150 (Pk)		61.49	74.00*	-12.51
	5150 (Av)		46.03	54.00*	-7.97
	10380 (Pk)		51.67	68.23	-16.56
	10380 (Av)		40.10	54.00	-13.90
	15570 (Pk)		54.24	68.23	-13.99
	15570 (Av)		41.84	54.00	-12.16
	5190 (Pk)	Horizontal	115.11	-	-
	5190 (Av)		101.79	-	-
	5150 (Pk)		67.44	74.00*	-6.56
	5150 (Av)		51.75	54.00*	-2.25
	10380 (Pk)		52.05	68.23	-16.18
	10380 (Av)		40.13	54.00	-13.87
	15570 (Pk)		54.03	68.23	-14.20
	15570 (Av)		41.83	54.00	-12.17
5230	5230 (Pk)	Vertical	119.95	-	-
	5230 (Av)		106.63	-	-
	5350 (Pk)		54.15	74.00*	-19.85
	5350 (Av)		40.09	54.00*	-13.91
	10460 (Pk)		53.24	68.23	-14.99
	10460 (Av)		40.80	54.00	-13.20
	15690 (Pk)		54.71	68.23	-13.52
	15690 (Av)		41.48	54.00	-12.52
	5230 (Pk)	Horizontal	119.03	-	-
	5230 (Av)		105.49	-	-
	5350 (Pk)		53.56	74.00*	-20.44
	5350 (Av)		40.31	54.00*	-13.69
	10460 (Pk)		52.72	68.23	-15.51
	10460 (Av)		41.00	54.00	-13.00
	15690 (Pk)		53.46	68.23	-14.77
	15690 (Av)		41.46	54.00	-12.54

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 138 von 170
Page 138 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	118.70	-	-
	5755 (Av)		105.24	-	-
	5725(Pk)		85.90	122.20*	-36.30
	5720(Pk)		85.03	110.80*	-25.77
	5700(Pk)		66.58	105.20*	-38.62
	5650(Pk)		55.62	68.20*	-12.58
	11510 (Pk)		57.80	68.23	-10.43
	11510 (Av)		43.78	54.00	-10.22
	17265 (Pk)		56.89	68.23	-11.34
	17265 (Av)		44.98	54.00	-9.02
	5755 (Pk)	Horizontal	118.78	-	-
	5755 (Av)		105.00	-	-
	5725(Pk)		83.09	122.20*	-39.11
	5720(Pk)		80.10	110.80*	-30.70
	5700(Pk)		65.31	105.20*	-39.89
	5650(Pk)		50.88	68.20*	-17.32
	11510 (Pk)		56.65	68.23	-11.58
	11510 (Av)		43.62	54.00	-10.38
	17265 (Pk)		56.95	68.23	-11.28
	17265 (Av)		44.81	54.00	-9.19
5795	5795 (Pk)	Vertical	118.91	-	-
	5795 (Av)		105.54	-	-
	5850 (Pk)		67.28	122.20*	-54.92
	5855(Pk)		65.30	110.80*	-45.50
	5875(Pk)		59.28	105.20*	-45.92
	5925 (Pk)		53.19	68.20*	-15.01
	11590 (Pk)		54.18	68.23	-14.05
	11590 (Av)		42.16	54.00	-11.84
	17385 (Pk)		57.60	68.23	-10.63
	17385 (Pk)		45.14	54.00	-8.86
	5795 (Pk)	Horizontal	118.45	-	-
	5795 (Av)		105.66	-	-
	5850 (Pk)		67.63	122.20*	-54.57
	5855(Pk)		66.01	110.80*	-44.79
	5875(Pk)		58.22	105.20*	-46.98
	5925 (Pk)		53.51	68.20*	-14.69
	11590 (Pk)		54.34	68.23	-13.89
	11590 (Av)		42.16	54.00	-11.84
	17385 (Pk)		56.88	68.23	-11.35
	17385 (Pk)		45.18	54.00	-8.82

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 139 von 170
Page 139 of 170

Channel Bandwidth: 80MHz

Modulation: 802.11ac

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5210	5210 (Pk)	Vertical	106.57	-	-
	5210 (Av)		95.68	-	-
	5150 (Pk)		60.23	74.00*	-13.77
	5150 (Av)		46.28	54.00*	-7.72
	10420 (Pk)		52.10	68.23	-16.13
	10420 (Av)		40.65	54.00	-13.35
	15630 (Pk)		53.91	68.23	-14.32
	15630 (Av)		41.76	54.00	-12.24
	5210 (Pk)	Horizontal	109.38	-	-
	5210 (Av)		98.32	-	-
	5150 (Pk)		65.92	74.00*	-8.08
	5150 (Av)		52.08	54.00*	-1.92
	10420 (Pk)		53.27	68.23	-14.96
	10420 (Av)		40.47	54.00	-13.53
	15630 (Pk)		55.26	68.23	-12.97
	15630 (Av)		41.77	54.00	-12.23
5775	5775 (Pk)	Vertical	110.54	-	-
	5775 (Pk)		99.51	-	-
	5850 (Pk)		59.55	122.20*	-62.65
	5855 (Pk)		57.75	110.80*	-53.05
	5875 (Pk)		53.16	105.20*	-52.04
	5925 (Pk)		48.89	68.20*	-19.31
	11550 (Pk)		54.84	68.23	-13.39
	11550 (Av)		42.68	54.00	-11.32
	17325 (Pk)		56.79	68.23	-11.44
	17325 (Av)		44.87	54.00	-9.13
	5775 (Pk)	Horizontal	108.19	-	-
	5775 (Pk)		97.83	-	-
	5850 (Pk)		56.05	122.20*	-66.15
	5855 (Pk)		53.76	110.80*	-57.04
	5875 (Pk)		50.67	105.20*	-54.53
	5925 (Pk)		48.48	68.20*	-19.72
	11550 (Av)		54.02	68.23	-14.21
	11550 (Pk)		42.54	54.00	-11.46
	17325 (Pk)		56.92	68.23	-11.31
	17325 (Av)		44.87	54.00	-9.13

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 140 von 170
Page 140 of 170

Modulation: 802.11ax

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5210	5210 (Pk)	Vertical	109.27	-	-
	5210 (Av)		95.70	-	-
	5150 (Pk)		60.57	74.00*	-13.43
	5150 (Av)		46.86	54.00*	-7.14
	10420 (Pk)		52.88	68.23	-15.35
	10420 (Av)		40.59	54.00	-13.41
	15630 (Pk)		53.94	68.23	-14.29
	15630 (Av)		41.80	54.00	-12.20
	5210 (Pk)	Horizontal	111.73	-	-
	5210 (Av)		98.39	-	-
	5150 (Pk)		66.86	74.00*	-7.14
	5150 (Av)		53.03	54.00*	-0.97
	10420 (Pk)		53.09	68.23	-15.14
	10420 (Av)		40.51	54.00	-13.49
	15630 (Pk)		53.34	68.23	-14.89
	15630 (Av)		41.80	54.00	-12.20
5775	5775 (Pk)	Vertical	113.61	-	-
	5775 (Pk)		100.00	-	-
	5850 (Pk)		65.86	122.20*	-56.34
	5855 (Pk)		64.35	110.80*	-46.45
	5875 (Pk)		57.26	105.20*	-47.94
	5925 (Pk)		50.00	68.20*	-18.20
	11550 (Pk)		55.03	68.23	-13.20
	11550 (Av)		42.74	54.00	-11.26
	17325 (Pk)		56.61	68.23	-11.62
	17325 (Av)		44.82	54.00	-9.18
	5775 (Pk)	Horizontal	113.82	-	-
	5775 (Pk)		100.03	-	-
	5850 (Pk)		66.86	122.20*	-55.34
	5855 (Pk)		64.69	110.80*	-46.11
	5875 (Pk)		58.77	105.20*	-46.43
	5925 (Pk)		49.17	68.20*	-19.03
	11550 (Av)		55.31	68.23	-12.92
	11550 (Pk)		43.11	54.00	-10.89
	17325 (Pk)		57.66	68.23	-10.57
	17325 (Av)		45.13	54.00	-8.87

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 141 von 170

Page 141 of 170

Antenna Type & Antenna Gain: 35dBi

Channel Bandwidth: 20MHz

Modulation: 802.11a

Data Rate: 6Mbps

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	106.46	-	-
	5180 (Av)		97.34	-	-
	5150 (Pk)		45.80	74.00*	-28.20
	5150 (Av)		33.70	54.00*	-20.30
	10360 (Pk)		51.99	68.23	-16.24
	10360 (Av)		39.50	54.00	-14.50
	15540 (Pk)		55.26	68.23	-12.97
	15540 (Av)		42.76	54.00	-11.24
	5180 (Pk)	Horizontal	107.75	-	-
	5180 (Av)		98.43	-	-
	5150 (Pk)		46.47	74.00*	-27.53
	5150 (Av)		34.33	54.00*	-19.67
	10360 (Pk)		51.39	68.23	-16.84
	10360 (Av)		39.38	54.00	-14.62
	15540 (Pk)		54.51	68.23	-13.72
	15540 (Av)		42.67	54.00	-11.33
5200	5200 (Pk)	Vertical	105.88	-	-
	5200 (Av)		96.76	-	-
	5150 (Pk)		46.85	74.00*	-27.15
	5150 (Av)		33.16	54.00*	-20.84
	10400 (Pk)		52.46	68.23	-15.77
	10400 (Av)		39.64	54.00	-14.36
	15600 (Pk)		53.71	68.23	-14.52
	15600 (Av)		42.32	54.00	-11.68
	5200 (Pk)	Horizontal	108.08	-	-
	5200 (Av)		97.91	-	-
	5150 (Pk)		46.47	74.00*	-27.53
	5150 (Av)		34.06	54.00*	-19.94
	10400 (Pk)		51.54	68.23	-16.69
	10400 (Av)		39.63	54.00	-14.37
	15600 (Pk)		54.51	68.23	-13.72
	15600 (Av)		42.32	54.00	-11.68
5240	5240 (Pk)	Vertical	104.80	-	-
	5240 (Av)		95.50	-	-
	5350 (Pk)		44.11	74.00*	-29.89
	5350 (Av)		32.01	54.00*	-21.99
	10480 (Pk)		52.02	68.23	-16.21
	10480 (Av)		40.08	54.00	-13.92
	15720 (Pk)		54.39	68.23	-13.84
	15720 (Av)		41.92	54.00	-12.08
	5240 (Pk)	Horizontal	107.61	-	-
	5240 (Av)		98.28	-	-
	5350 (Pk)		45.13	74.00*	-28.87
	5350 (Av)		32.96	54.00*	-21.04
	10480 (Pk)		52.44	68.23	-15.79
	10480 (Av)		40.02	54.00	-13.98
	15720 (Pk)		54.26	68.23	-13.97
	15720 (Av)		41.91	54.00	-12.09

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 142 von 170
Page 142 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	115.87	-	-
	5745 (Av)		106.43	-	-
	5725(Pk)		63.23	122.20*	-58.97
	5720(Pk)		58.93	110.80*	-51.87
	5700(Pk)		49.36	105.20*	-55.84
	5650(Pk)		52.18	68.20*	-16.02
	11490 (Pk)		53.44	68.23	-14.79
	11490 (Av)		41.24	54.00	-12.76
	17235 (Pk)		58.94	68.23	-9.29
	17235 (Av)		46.50	54.00	-7.50
	5745 (Pk)	Horizontal	120.41	-	-
	5745 (Av)		110.60	-	-
	5725(Pk)		82.14	122.20*	-40.06
	5720(Pk)		71.59	110.80*	-39.21
	5700(Pk)		59.40	105.20*	-45.80
	5650(Pk)		56.14	68.20*	-12.06
	11490 (Pk)		53.06	68.23	-15.17
	11490 (Av)		41.21	54.00	-12.79
	17235 (Pk)		59.62	68.23	-8.61
	17235 (Av)		46.47	54.00	-7.53
5785	5785 (Pk)	Vertical	118.30	-	-
	5785 (Av)		108.58	-	-
	5725(Pk)		55.67	122.20*	-66.53
	5720(Pk)		49.07	110.80*	-61.73
	5700(Pk)		47.30	105.20*	-57.90
	5650(Pk)		48.31	68.20*	-19.89
	11570 (Pk)		53.35	68.23	-14.88
	11570 (Av)		40.66	54.00	-13.34
	17355 (Pk)		58.67	68.23	-9.56
	17355 (Av)		46.91	54.00	-7.09
	5785 (Pk)	Horizontal	119.21	-	-
	5785 (Av)		108.47	-	-
	5725(Pk)		55.87	122.20*	-66.33
	5720(Pk)		49.94	110.80*	-60.86
	5700(Pk)		48.83	105.20*	-56.37
	5650(Pk)		48.69	68.20*	-19.51
	11570 (Pk)		52.65	68.23	-15.58
	11570 (Av)		40.60	54.00	-13.40
	17355 (Pk)		59.83	68.23	-8.40
	17355 (Av)		46.86	54.00	-7.14
5825	5825 (Pk)	Vertical	119.32	-	-
	5825 (Av)		109.76	-	-
	5850 (Pk)		71.29	122.20*	-50.91
	5855(Pk)		65.76	110.80*	-45.04
	5875(Pk)		54.02	105.20*	-51.18
	5925 (Pk)		53.51	68.20*	-14.69
	11650 (Pk)		51.81	68.23	-16.42
	11650 (Av)		40.21	54.00	-13.79
	17475 (Pk)		59.19	68.23	-9.04
	17475 (Av)		47.60	54.00	-6.40
	5825 (Pk)	Horizontal	120.88	-	-
	5825 (Av)		110.58	-	-
	5850 (Pk)		71.99	122.20*	-50.21
	5855(Pk)		70.47	110.80*	-40.33
	5875(Pk)		65.34	105.20*	-39.86
	5925 (Pk)		53.84	68.20*	-14.36
	11650 (Pk)		52.05	68.23	-16.18
	11650 (Av)		40.22	54.00	-13.78
	17475 (Pk)		59.76	68.23	-8.47
	17475 (Pk)		47.58	54.00	-6.42

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 143 von 170

Page 143 of 170

Modulation: 802.11n

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	106.69	-	-
	5180 (Av)		96.48	-	-
	5150 (Pk)		47.42	74.00*	-26.58
	5150 (Av)		34.13	54.00*	-19.87
	10360 (Pk)		52.09	68.23	-16.14
	10360 (Av)		39.41	54.00	-14.59
	15540 (Pk)		54.61	68.23	-13.62
	15540 (Av)		42.62	54.00	-11.38
	5180 (Pk)	Horizontal	108.19	-	-
	5180 (Av)		97.34	-	-
	5150 (Pk)		45.91	74.00*	-28.09
	5150 (Av)		33.79	54.00*	-20.21
	10360 (Pk)		51.27	68.23	-16.96
	10360 (Av)		39.43	54.00	-14.57
	15540 (Pk)		54.78	68.23	-13.45
	15540 (Av)		42.63	54.00	-11.37
5200	5200 (Pk)	Vertical	106.18	-	-
	5200 (Av)		95.93	-	-
	5150 (Pk)		46.09	74.00*	-27.91
	5150 (Av)		33.82	54.00*	-20.18
	10400 (Pk)		52.22	68.23	-16.01
	10400 (Av)		39.68	54.00	-14.32
	15600 (Pk)		55.26	68.23	-12.97
	15600 (Av)		42.25	54.00	-11.75
	5200 (Pk)	Horizontal	108.04	-	-
	5200 (Av)		98.84	-	-
	5150 (Pk)		46.54	74.00*	-27.46
	5150 (Av)		33.85	54.00*	-20.15
	10400 (Pk)		51.66	68.23	-16.57
	10400 (Av)		39.64	54.00	-14.36
	15600 (Pk)		54.06	68.23	-14.17
	15600 (Av)		42.21	54.00	-11.79
5240	5240 (Pk)	Vertical	105.04	-	-
	5240 (Av)		94.71	-	-
	5350 (Pk)		44.01	74.00*	-29.99
	5350 (Av)		31.95	54.00*	-22.05
	10480 (Pk)		52.53	68.23	-15.70
	10480 (Av)		40.07	54.00	-13.93
	15720 (Pk)		53.71	68.23	-14.52
	15720 (Av)		41.91	54.00	-12.09
	5240 (Pk)	Horizontal	108.56	-	-
	5240 (Av)		97.63	-	-
	5350 (Pk)		45.68	74.00*	-28.32
	5350 (Av)		33.61	54.00*	-20.39
	10480 (Pk)		52.45	68.23	-15.78
	10480 (Av)		40.04	54.00	-13.96
	15720 (Pk)		54.45	68.23	-13.78
	15720 (Av)		41.92	54.00	-12.08

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 144 von 170
Page 144 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	118.11	-	-
	5745 (Av)		107.47	-	-
	5725(Pk)		69.29	122.20*	-52.91
	5720(Pk)		62.59	110.80*	-48.21
	5700(Pk)		50.23	105.20*	-54.97
	5650(Pk)		52.06	68.20*	-16.14
	11490 (Pk)		53.09	68.23	-15.14
	11490 (Av)		41.22	54.00	-12.78
	17235 (Pk)		59.04	68.23	-9.19
	17235 (Av)		46.44	54.00	-7.56
	5745 (Pk)	Horizontal	118.13	-	-
	5745 (Av)		107.06	-	-
	5725(Pk)		74.56	122.20*	-47.64
	5720(Pk)		71.33	110.80*	-39.47
	5700(Pk)		53.17	105.20*	-52.03
	5650(Pk)		55.29	68.20*	-12.91
	11490 (Pk)		53.12	68.23	-15.11
	11490 (Av)		41.17	54.00	-12.83
	17235 (Pk)		58.34	68.23	-9.89
	17235 (Av)		46.39	54.00	-7.61
5785	5785 (Pk)	Vertical	119.51	-	-
	5785 (Av)		108.44	-	-
	5725(Pk)		55.63	122.20*	-66.57
	5720(Pk)		49.58	110.80*	-61.22
	5700(Pk)		47.08	105.20*	-58.12
	5650(Pk)		48.58	68.20*	-19.62
	11570 (Pk)		52.80	68.23	-15.43
	11570 (Av)		40.62	54.00	-13.38
	17355 (Pk)		59.05	68.23	-9.18
	17355 (Av)		46.90	54.00	-7.10
	5785 (Pk)	Horizontal	120.86	-	-
	5785 (Av)		109.46	-	-
	5725(Pk)		57.35	122.20*	-64.85
	5720(Pk)		53.55	110.80*	-57.25
	5700(Pk)		50.21	105.20*	-54.99
	5650(Pk)		49.55	68.20*	-18.65
	11570 (Pk)		52.17	68.23	-16.06
	11570 (Av)		40.62	54.00	-13.38
	17355 (Pk)		58.51	68.23	-9.72
	17355 (Av)		46.91	54.00	-7.09
5825	5825 (Pk)	Vertical	119.72	-	-
	5825 (Av)		108.52	-	-
	5850 (Pk)		69.61	122.20*	-52.59
	5855(Pk)		65.95	110.80*	-44.85
	5875(Pk)		52.65	105.20*	-52.55
	5925 (Pk)		52.68	68.20*	-15.52
	11650 (Pk)		51.98	68.23	-16.25
	11650 (Av)		40.15	54.00	-13.85
	17475 (Pk)		59.90	68.23	-8.33
	17475 (Av)		47.58	54.00	-6.42
	5825 (Pk)	Horizontal	119.61	-	-
	5825 (Av)		108.30	-	-
	5850 (Pk)		73.21	122.20*	-48.99
	5855(Pk)		73.84	110.80*	-36.96
	5875(Pk)		61.60	105.20*	-43.60
	5925 (Pk)		54.33	68.20*	-13.87
	11650 (Pk)		52.30	68.23	-15.93
	11650 (Av)		40.19	54.00	-13.81
	17475 (Pk)		59.46	68.23	-8.77
	17475 (Pk)		47.56	54.00	-6.44

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 145 von 170
Page 145 of 170

Modulation: 802.11ac

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	106.59	-	-
	5180 (Av)		96.13	-	-
	5150 (Pk)		46.61	74.00*	-27.39
	5150 (Av)		34.10	54.00*	-19.90
	10360 (Pk)		52.83	68.23	-15.40
	10360 (Av)		39.39	54.00	-14.61
	15540 (Pk)		54.19	68.23	-14.04
	15540 (Av)		42.62	54.00	-11.38
	5180 (Pk)	Horizontal	108.96	-	-
	5180 (Av)		97.43	-	-
	5150 (Pk)		46.58	74.00*	-27.42
	5150 (Av)		34.07	54.00*	-19.93
	10360 (Pk)		52.11	68.23	-16.12
	10360 (Av)		39.42	54.00	-14.58
	15540 (Pk)		54.62	68.23	-13.61
	15540 (Av)		42.64	54.00	-11.36
5200	5200 (Pk)	Vertical	105.55	-	-
	5200 (Av)		95.25	-	-
	5150 (Pk)		45.55	74.00*	-28.45
	5150 (Av)		33.72	54.00*	-20.28
	10400 (Pk)		51.42	68.23	-16.81
	10400 (Av)		39.63	54.00	-14.37
	15600 (Pk)		55.09	68.23	-13.14
	15600 (Av)		42.19	54.00	-11.81
	5200 (Pk)	Horizontal	108.20	-	-
	5200 (Av)		97.40	-	-
	5150 (Pk)		46.37	74.00*	-27.63
	5150 (Av)		34.20	54.00*	-19.80
	10400 (Pk)		51.74	68.23	-16.49
	10400 (Av)		39.64	54.00	-14.36
	15600 (Pk)		54.46	68.23	-13.77
	15600 (Av)		42.25	54.00	-11.75
5240	5240 (Pk)	Vertical	104.69	-	-
	5240 (Av)		94.44	-	-
	5350 (Pk)		44.80	74.00*	-29.20
	5350 (Av)		32.67	54.00*	-21.33
	10480 (Pk)		52.81	68.23	-15.42
	10480 (Av)		40.04	54.00	-13.96
	15720 (Pk)		54.28	68.23	-13.95
	15720 (Av)		41.93	54.00	-12.07
	5240 (Pk)	Horizontal	108.74	-	-
	5240 (Av)		97.92	-	-
	5350 (Pk)		46.81	74.00*	-27.19
	5350 (Av)		34.77	54.00*	-19.23
	10480 (Pk)		52.08	68.23	-16.15
	10480 (Av)		40.05	54.00	-13.95
	15720 (Pk)		54.53	68.23	-13.70
	15720 (Av)		41.88	54.00	-12.12

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 146 von 170
Page 146 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	119.05	-	-
	5745 (Av)		108.34	-	-
	5725(Pk)		71.89	122.20*	-50.31
	5720(Pk)		68.90	110.80*	-41.90
	5700(Pk)		52.73	105.20*	-52.47
	5650(Pk)		54.00	68.20*	-14.20
	11490 (Pk)		54.01	68.23	-14.22
	11490 (Av)		41.15	54.00	-12.85
	17235 (Pk)		58.57	68.23	-9.66
	17235 (Av)		46.44	54.00	-7.56
	5745 (Pk)	Horizontal	120.49	-	-
	5745 (Av)		109.33	-	-
	5725(Pk)		85.01	122.20*	-37.19
	5720(Pk)		73.70	110.80*	-37.10
	5700(Pk)		63.03	105.20*	-42.17
	5650(Pk)		56.23	68.20*	-11.97
	11490 (Pk)		53.52	68.23	-14.71
	11490 (Av)		41.17	54.00	-12.83
	17235 (Pk)		59.01	68.23	-9.22
	17235 (Av)		46.46	54.00	-7.54
5785	5785 (Pk)	Vertical	118.50	-	-
	5785 (Av)		107.94	-	-
	5725(Pk)		55.64	122.20*	-66.56
	5720(Pk)		48.51	110.80*	-62.29
	5700(Pk)		47.57	105.20*	-57.63
	5650(Pk)		48.31	68.20*	-19.89
	11570 (Pk)		52.66	68.23	-15.57
	11570 (Av)		40.64	54.00	-13.36
	17355 (Pk)		58.95	68.23	-9.28
	17355 (Av)		46.92	54.00	-7.08
	5785 (Pk)	Horizontal	119.02	-	-
	5785 (Av)		107.58	-	-
	5725(Pk)		55.65	122.20*	-66.55
	5720(Pk)		53.01	110.80*	-57.79
	5700(Pk)		47.61	105.20*	-57.59
	5650(Pk)		48.84	68.20*	-19.36
	11570 (Pk)		52.30	68.23	-15.93
	11570 (Av)		40.64	54.00	-13.36
	17355 (Pk)		59.04	68.23	-9.19
	17355 (Av)		46.90	54.00	-7.10
5825	5825 (Pk)	Vertical	119.34	-	-
	5825 (Av)		108.76	-	-
	5850 (Pk)		69.88	122.20*	-52.32
	5855(Pk)		64.60	110.80*	-46.20
	5875(Pk)		53.43	105.20*	-51.77
	5925 (Pk)		53.71	68.20*	-14.49
	11650 (Pk)		52.97	68.23	-15.26
	11650 (Av)		40.21	54.00	-13.79
	17475 (Pk)		59.79	68.23	-8.44
	17475 (Av)		47.61	54.00	-6.39
	5825 (Pk)	Horizontal	119.56	-	-
	5825 (Av)		108.55	-	-
	5850 (Pk)		73.64	122.20*	-48.56
	5855(Pk)		71.91	110.80*	-38.89
	5875(Pk)		58.91	105.20*	-46.29
	5925 (Pk)		53.79	68.20*	-14.41
	11650 (Pk)		51.56	68.23	-16.67
	11650 (Av)		40.23	54.00	-13.77
	17475 (Pk)		59.94	68.23	-8.29
	17475 (Pk)		47.57	54.00	-6.43

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 147 von 170
Page 147 of 170

Modulation: 802.11ax

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5180	5180 (Pk)	Vertical	110.05	-	-
	5180 (Av)		95.84	-	-
	5150 (Pk)		46.42	74.00*	-27.58
	5150 (Av)		34.20	54.00*	-19.80
	10360 (Pk)		52.10	68.23	-16.13
	10360 (Av)		39.38	54.00	-14.62
	15540 (Pk)		54.20	68.23	-14.03
	15540 (Av)		42.61	54.00	-11.39
	5180 (Pk)	Horizontal	108.81	-	-
	5180 (Av)		95.89	-	-
	5150 (Pk)		46.40	74.00*	-27.60
	5150 (Av)		34.08	54.00*	-19.92
	10360 (Pk)		51.67	68.23	-16.56
	10360 (Av)		39.43	54.00	-14.57
	15540 (Pk)		54.26	68.23	-13.97
	15540 (Av)		42.61	54.00	-11.39
5200	5200 (Pk)	Vertical	109.33	-	-
	5200 (Av)		96.42	-	-
	5150 (Pk)		45.81	74.00*	-28.19
	5150 (Av)		33.78	54.00*	-20.22
	10400 (Pk)		52.32	68.23	-15.91
	10400 (Av)		39.68	54.00	-14.32
	15600 (Pk)		55.20	68.23	-13.03
	15600 (Av)		42.23	54.00	-11.77
	5200 (Pk)	Horizontal	109.39	-	-
	5200 (Av)		96.77	-	-
	5150 (Pk)		47.53	74.00*	-26.47
	5150 (Av)		34.39	54.00*	-19.61
	10400 (Pk)		52.09	68.23	-16.14
	10400 (Av)		39.67	54.00	-14.33
	15600 (Pk)		54.56	68.23	-13.67
	15600 (Av)		42.23	54.00	-11.77
5240	5240 (Pk)	Vertical	107.08	-	-
	5240 (Av)		94.33	-	-
	5350 (Pk)		44.16	74.00*	-29.84
	5350 (Av)		32.37	54.00*	-21.63
	10480 (Pk)		51.94	68.23	-16.29
	10480 (Av)		40.06	54.00	-13.94
	15720 (Pk)		53.95	68.23	-14.28
	15720 (Av)		41.93	54.00	-12.07
	5240 (Pk)	Horizontal	108.22	-	-
	5240 (Av)		95.40	-	-
	5350 (Pk)		44.55	74.00*	-29.45
	5350 (Av)		32.46	54.00*	-21.54
	10480 (Pk)		52.02	68.23	-16.21
	10480 (Av)		40.03	54.00	-13.97
	15720 (Pk)		53.78	68.23	-14.45
	15720 (Av)		41.96	54.00	-12.04

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 148 von 170
Page 148 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5745	5745 (Pk)	Vertical	120.43	-	-
	5745 (Av)		106.95	-	-
	5725(Pk)		73.10	122.20*	-49.10
	5720(Pk)		69.82	110.80*	-40.98
	5700(Pk)		52.85	105.20*	-52.35
	5650(Pk)		55.12	68.20*	-13.08
	11490 (Pk)		53.21	68.23	-15.02
	11490 (Av)		41.17	54.00	-12.83
	17235 (Pk)		59.17	68.23	-9.06
	17235 (Av)		46.43	54.00	-7.57
	5745 (Pk)	Horizontal	119.75	-	-
	5745 (Av)		106.93	-	-
	5725(Pk)		72.23	122.20*	-49.97
	5720(Pk)		70.39	110.80*	-40.41
	5700(Pk)		52.56	105.20*	-52.64
	5650(Pk)		53.76	68.20*	-14.44
	11490 (Pk)		53.05	68.23	-15.18
	11490 (Av)		41.13	54.00	-12.87
	17235 (Pk)		58.36	68.23	-9.87
	17235 (Av)		46.43	54.00	-7.57
5785	5785 (Pk)	Vertical	121.49	-	-
	5785 (Av)		108.36	-	-
	5725(Pk)		56.86	122.20*	-65.34
	5720(Pk)		49.23	110.80*	-61.57
	5700(Pk)		48.42	105.20*	-56.78
	5650(Pk)		48.96	68.20*	-19.24
	11570 (Pk)		52.98	68.23	-15.25
	11570 (Av)		40.67	54.00	-13.33
	17355 (Pk)		58.94	68.23	-9.29
	17355 (Av)		46.89	54.00	-7.11
	5785 (Pk)	Horizontal	122.66	-	-
	5785 (Av)		109.75	-	-
	5725(Pk)		57.56	122.20*	-64.64
	5720(Pk)		52.95	110.80*	-57.85
	5700(Pk)		50.51	105.20*	-54.69
	5650(Pk)		50.35	68.20*	-17.85
	11570 (Pk)		52.62	68.23	-15.61
	11570 (Av)		40.62	54.00	-13.38
	17355 (Pk)		58.53	68.23	-9.70
	17355 (Av)		46.96	54.00	-7.04
5825	5825 (Pk)	Vertical	122.47	-	-
	5825 (Av)		109.49	-	-
	5850 (Pk)		74.33	122.20*	-47.87
	5855(Pk)		67.17	110.80*	-43.63
	5875(Pk)		53.95	105.20*	-51.25
	5925 (Pk)		53.86	68.20*	-14.34
	11650 (Pk)		52.63	68.23	-15.60
	11650 (Av)		40.21	54.00	-13.79
	17475 (Pk)		59.80	68.23	-8.43
	17475 (Av)		47.60	54.00	-6.40
	5825 (Pk)	Horizontal	123.51	-	-
	5825 (Av)		110.63	-	-
	5850 (Pk)		82.22	122.20*	-39.98
	5855(Pk)		73.92	110.80*	-36.88
	5875(Pk)		61.42	105.20*	-43.78
	5925 (Pk)		54.11	68.20*	-14.09
	11650 (Pk)		52.77	68.23	-15.46
	11650 (Av)		40.20	54.00	-13.80
	17475 (Pk)		59.71	68.23	-8.52
	17475 (Pk)		47.61	54.00	-6.39

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 149 von 170
Page 149 of 170

Channel Bandwidth: 40MHz

Modulation: 802.11n

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	103.93	-	-
	5190 (Av)		92.74	-	-
	5150 (Pk)		46.32	74.00*	-27.68
	5150 (Av)		33.18	54.00*	-20.82
	10380 (Pk)		52.52	68.23	-15.71
	10380 (Av)		40.25	54.00	-13.75
	15570 (Pk)		54.24	68.23	-13.99
	15570 (Av)		41.80	54.00	-12.20
	5190 (Pk)	Horizontal	104.58	-	-
	5190 (Av)		93.66	-	-
	5150 (Pk)		44.85	74.00*	-29.15
	5150 (Av)		32.89	54.00*	-21.11
	10380 (Pk)		52.48	68.23	-15.75
	10380 (Av)		40.22	54.00	-13.78
	15570 (Pk)		54.13	68.23	-14.10
	15570 (Av)		41.85	54.00	-12.15
5230	5230 (Pk)	Vertical	101.56	-	-
	5230 (Av)		91.88	-	-
	5350 (Pk)		44.09	74.00*	-29.91
	5350 (Av)		31.79	54.00*	-22.21
	10460 (Pk)		53.33	68.23	-14.90
	10460 (Av)		40.89	54.00	-13.11
	15690 (Pk)		53.66	68.23	-14.57
	15690 (Av)		41.39	54.00	-12.61
	5230 (Pk)	Horizontal	104.80	-	-
	5230 (Av)		94.35	-	-
	5350 (Pk)		46.10	74.00*	-27.90
	5350 (Av)		33.51	54.00*	-20.49
	10460 (Pk)		53.47	68.23	-14.76
	10460 (Av)		40.90	54.00	-13.10
	15690 (Pk)		53.09	68.23	-15.14
	15690 (Av)		41.40	54.00	-12.60

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 150 von 170
Page 150 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	116.05	-	-
	5755 (Av)		105.69	-	-
	5725(Pk)		77.37	122.20*	-44.83
	5720(Pk)		73.55	110.80*	-37.25
	5700(Pk)		59.92	105.20*	-45.28
	5650(Pk)		51.64	68.20*	-16.56
	11510 (Pk)		54.73	68.23	-13.50
	11510 (Av)		43.13	54.00	-10.87
	17265 (Pk)		56.43	68.23	-11.80
	17265 (Av)		44.65	54.00	-9.35
	5755 (Pk)	Horizontal	118.40	-	-
	5755 (Av)		107.94	-	-
	5725(Pk)		91.52	122.20*	-30.68
	5720(Pk)		91.19	110.80*	-19.61
	5700(Pk)		70.20	105.20*	-35.00
	5650(Pk)		59.69	68.20*	-8.51
	11510 (Pk)		55.85	68.23	-12.38
	11510 (Av)		43.16	54.00	-10.84
	17265 (Pk)		56.89	68.23	-11.34
	17265 (Av)		44.59	54.00	-9.41
5795	5795 (Pk)	Vertical	115.80	-	-
	5795 (Av)		105.93	-	-
	5850 (Pk)		62.76	122.20*	-59.44
	5855(Pk)		63.10	110.80*	-47.70
	5875(Pk)		52.63	105.20*	-52.57
	5925 (Pk)		51.41	68.20*	-16.79
	11590 (Pk)		54.75	68.23	-13.48
	11590 (Av)		42.61	54.00	-11.39
	17385 (Pk)		57.08	68.23	-11.15
	17385 (Pk)		44.84	54.00	-9.16
	5795 (Pk)	Horizontal	118.95	-	-
	5795 (Av)		107.53	-	-
	5850 (Pk)		68.28	122.20*	-53.92
	5855(Pk)		66.76	110.80*	-44.04
	5875(Pk)		62.82	105.20*	-42.38
	5925 (Pk)		52.74	68.20*	-15.46
	11590 (Pk)		54.40	68.23	-13.83
	11590 (Av)		42.56	54.00	-11.44
	17385 (Pk)		57.91	68.23	-10.32
	17385 (Pk)		44.82	54.00	-9.18

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 151 von 170
Page 151 of 170

Modulation: 802.11ac

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBμV/m)	Limit (dBμV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	103.29	-	-
	5190 (Av)		92.72	-	-
	5150 (Pk)		45.52	74.00*	-28.48
	5150 (Av)		33.63	54.00*	-20.37
	10380 (Pk)		52.56	68.23	-15.67
	10380 (Av)		40.17	54.00	-13.83
	15570 (Pk)		53.87	68.23	-14.36
	15570 (Av)		41.79	54.00	-12.21
	5190 (Pk)	Horizontal	104.59	-	-
	5190 (Av)		94.01	-	-
	5150 (Pk)		46.75	74.00*	-27.25
	5150 (Av)		34.54	54.00*	-19.46
	10380 (Pk)		52.04	68.23	-16.19
	10380 (Av)		40.19	54.00	-13.81
	15570 (Pk)		53.89	68.23	-14.34
	15570 (Av)		41.83	54.00	-12.17
5230	5230 (Pk)	Vertical	102.23	-	-
	5230 (Av)		91.84	-	-
	5350 (Pk)		43.80	74.00*	-30.20
	5350 (Av)		32.50	54.00*	-21.50
	10460 (Pk)		53.02	68.23	-15.21
	10460 (Av)		40.88	54.00	-13.12
	15690 (Pk)		53.17	68.23	-15.06
	15690 (Av)		41.39	54.00	-12.61
	5230 (Pk)	Horizontal	104.61	-	-
	5230 (Av)		94.33	-	-
	5350 (Pk)		45.65	74.00*	-28.35
	5350 (Av)		33.45	54.00*	-20.55
	10460 (Pk)		52.94	68.23	-15.29
	10460 (Av)		40.89	54.00	-13.11
	15690 (Pk)		53.99	68.23	-14.24
	15690 (Av)		41.38	54.00	-12.62

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 152 von 170
Page 152 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	114.60	-	-
	5755 (Av)		104.55	-	-
	5725(Pk)		75.48	122.20*	-46.72
	5720(Pk)		72.66	110.80*	-38.14
	5700(Pk)		58.74	105.20*	-46.46
	5650(Pk)		50.97	68.20*	-17.23
	11510 (Pk)		55.27	68.23	-12.96
	11510 (Av)		43.16	54.00	-10.84
	17265 (Pk)		56.53	68.23	-11.70
	17265 (Av)		44.62	54.00	-9.38
	5755 (Pk)	Horizontal	118.58	-	-
	5755 (Av)		107.92	-	-
	5725(Pk)		91.40	122.20*	-30.80
	5720(Pk)		91.02	110.80*	-19.78
	5700(Pk)		70.06	105.20*	-35.14
	5650(Pk)		56.70	68.20*	-11.50
	11510 (Pk)		55.97	68.23	-12.26
	11510 (Av)		43.18	54.00	-10.82
	17265 (Pk)		57.26	68.23	-10.97
	17265 (Av)		44.65	54.00	-9.35
5795	5795 (Pk)	Vertical	115.39	-	-
	5795 (Av)		105.31	-	-
	5850 (Pk)		61.64	122.20*	-60.56
	5855(Pk)		58.32	110.80*	-52.48
	5875(Pk)		52.41	105.20*	-52.79
	5925 (Pk)		21.04	68.20*	-47.16
	11590 (Pk)		54.32	68.23	-13.91
	11590 (Av)		42.62	54.00	-11.38
	17385 (Pk)		58.02	68.23	-10.21
	17385 (Pk)		44.91	54.00	-9.09
	5795 (Pk)	Horizontal	118.31	-	-
	5795 (Av)		107.57	-	-
	5850 (Pk)		68.24	122.20*	-53.96
	5855(Pk)		66.75	110.80*	-44.05
	5875(Pk)		62.01	105.20*	-43.19
	5925 (Pk)		52.26	68.20*	-15.94
	11590 (Pk)		54.72	68.23	-13.51
	11590 (Av)		42.59	54.00	-11.41
	17385 (Pk)		57.37	68.23	-10.86
	17385 (Pk)		44.84	54.00	-9.16

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 153 von 170
Page 153 of 170

Modulation: 802.11ax

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5190	5190 (Pk)	Vertical	106.85	-	-
	5190 (Av)		93.54	-	-
	5150 (Pk)		45.17	74.00*	-28.83
	5150 (Av)		32.62	54.00*	-21.38
	10380 (Pk)		52.19	68.23	-16.04
	10380 (Av)		40.21	54.00	-13.79
	15570 (Pk)		54.05	68.23	-14.18
	15570 (Av)		41.94	54.00	-12.06
	5190 (Pk)	Horizontal	106.25	-	-
	5190 (Av)		93.60	-	-
	5150 (Pk)		46.31	74.00*	-27.69
	5150 (Av)		34.36	54.00*	-19.64
	10380 (Pk)		52.71	68.23	-15.52
	10380 (Av)		40.20	54.00	-13.80
	15570 (Pk)		53.84	68.23	-14.39
	15570 (Av)		41.84	54.00	-12.16
5230	5230 (Pk)	Vertical	104.48	-	-
	5230 (Av)		91.48	-	-
	5350 (Pk)		43.63	74.00*	-30.37
	5350 (Av)		32.19	54.00*	-21.81
	10460 (Pk)		53.21	68.23	-15.02
	10460 (Av)		40.90	54.00	-13.10
	15690 (Pk)		53.34	68.23	-14.89
	15690 (Av)		41.43	54.00	-12.57
	5230 (Pk)	Horizontal	106.93	-	-
	5230 (Av)		93.86	-	-
	5350 (Pk)		45.48	74.00*	-28.52
	5350 (Av)		32.82	54.00*	-21.18
	10460 (Pk)		53.61	68.23	-14.62
	10460 (Av)		40.86	54.00	-13.14
	15690 (Pk)		53.61	68.23	-14.62
	15690 (Av)		41.43	54.00	-12.57

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 154 von 170
Page 154 of 170

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5755	5755 (Pk)	Vertical	117.76	-	-
	5755 (Av)		104.64	-	-
	5725(Pk)		82.68	122.20*	-39.52
	5720(Pk)		83.95	110.80*	-26.85
	5700(Pk)		71.11	105.20*	-34.09
	5650(Pk)		52.59	68.20*	-15.61
	11510 (Pk)		55.72	68.23	-12.51
	11510 (Av)		43.15	54.00	-10.85
	17265 (Pk)		56.89	68.23	-11.34
	17265 (Av)		44.70	54.00	-9.30
	5755 (Pk)	Horizontal	120.60	-	-
	5755 (Av)		106.96	-	-
	5725(Pk)		89.60	122.20*	-32.60
	5720(Pk)		91.32	110.80*	-19.48
	5700(Pk)		69.67	105.20*	-35.53
	5650(Pk)		57.49	68.20*	-10.71
	11510 (Pk)		55.15	68.23	-13.08
	11510 (Av)		43.14	54.00	-10.86
	17265 (Pk)		56.13	68.23	-12.10
	17265 (Av)		44.68	54.00	-9.32
5795	5795 (Pk)	Vertical	118.71	-	-
	5795 (Av)		104.96	-	-
	5850 (Pk)		60.32	122.20*	-61.88
	5855(Pk)		58.30	110.80*	-52.50
	5875(Pk)		52.15	105.20*	-53.05
	5925 (Pk)		51.09	68.20*	-17.11
	11590 (Pk)		55.03	68.23	-13.20
	11590 (Av)		42.61	54.00	-11.39
	17385 (Pk)		57.37	68.23	-10.86
	17385 (Pk)		44.88	54.00	-9.12
	5795 (Pk)	Horizontal	120.43	-	-
	5795 (Av)		106.91	-	-
	5850 (Pk)		68.00	122.20*	-54.20
	5855(Pk)		65.74	110.80*	-45.06
	5875(Pk)		60.69	105.20*	-44.51
	5925 (Pk)		52.59	68.20*	-15.61
	11590 (Pk)		55.60	68.23	-12.63
	11590 (Av)		42.63	54.00	-11.37
	17385 (Pk)		56.98	68.23	-11.25
	17385 (Pk)		44.84	54.00	-9.16

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 155 von 170
Page 155 of 170

Channel Bandwidth: 80MHz

Modulation: 802.11ac

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5210	5210 (Pk)	Vertical	101.27	-	-
	5210 (Av)		91.00	-	-
	5150 (Pk)		45.67	74.00*	-28.33
	5150 (Av)		32.59	54.00*	-21.41
	10420 (Pk)		53.22	68.23	-15.01
	10420 (Av)		40.63	54.00	-13.37
	15630 (Pk)		53.56	68.23	-14.67
	15630 (Av)		41.62	54.00	-12.38
	5210 (Pk)	Horizontal	101.85	-	-
	5210 (Av)		91.17	-	-
	5150 (Pk)		46.47	74.00*	-27.53
	5150 (Av)		34.37	54.00*	-19.63
	10420 (Pk)		52.67	68.23	-15.56
	10420 (Av)		40.57	54.00	-13.43
	15630 (Pk)		53.68	68.23	-14.55
	15630 (Av)		41.56	54.00	-12.44
5775	5775 (Pk)	Vertical	105.78	-	-
	5775 (Pk)		95.59	-	-
	5850 (Pk)		49.09	122.20*	-73.11
	5855 (Pk)		48.46	110.80*	-62.34
	5875 (Pk)		47.10	105.20*	-58.10
	5925 (Pk)		46.38	68.20*	-21.82
	11550 (Pk)		58.56	68.23	-9.67
	11550 (Av)		44.69	54.00	-9.31
	17325 (Pk)		57.17	68.23	-11.06
	17325 (Av)		44.46	54.00	-9.54
	5775 (Pk)	Horizontal	109.05	-	-
	5775 (Pk)		98.32	-	-
	5850 (Pk)		54.30	122.20*	-67.90
	5855 (Pk)		51.89	110.80*	-58.91
	5875 (Pk)		50.22	105.20*	-54.98
	5925 (Pk)		48.26	68.20*	-19.94
	11550 (Av)		64.85	68.23	-3.38
	11550 (Pk)		50.27	54.00	-3.73
	17325 (Pk)		56.08	68.23	-12.15
	17325 (Av)		44.50	54.00	-9.50

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 156 von 170
Page 156 of 170

Modulation: 802.11ax

Data Rate: MCS0

Channel Frequency (MHz)	Measured Frequency (MHz)	Antenna Polarization	Measured Emission (dBµV/m)	Limit (dBµV/m)	Margin (dB)
5210	5210 (Pk)	Vertical	102.25	-	-
	5210 (Av)		88.78	-	-
	5150 (Pk)		45.23	74.00*	-28.77
	5150 (Av)		32.70	54.00*	-21.30
	10420 (Pk)		53.78	68.23	-14.45
	10420 (Av)		40.59	54.00	-13.41
	15630 (Pk)		53.73	68.23	-14.50
	15630 (Av)		41.44	54.00	-12.56
	5210 (Pk)	Horizontal	104.71	-	-
	5210 (Av)		91.72	-	-
	5150 (Pk)		47.17	74.00*	-26.83
	5150 (Av)		34.69	54.00*	-19.31
	10420 (Pk)		53.47	68.23	-14.76
	10420 (Av)		40.56	54.00	-13.44
	15630 (Pk)		53.57	68.23	-14.66
	15630 (Av)		41.53	54.00	-12.47
5775	5775 (Pk)	Vertical	112.11	-	-
	5775 (Pk)		98.83	-	-
	5850 (Pk)		50.48	122.20*	-71.72
	5855 (Pk)		50.72	110.80*	-60.08
	5875 (Pk)		46.98	105.20*	-58.22
	5925 (Pk)		45.82	68.20*	-22.38
	11550 (Pk)		58.69	68.23	-9.54
	11550 (Av)		44.82	54.00	-9.18
	17325 (Pk)		56.67	68.23	-11.56
	17325 (Av)		44.47	54.00	-9.53
	5775 (Pk)	Horizontal	113.34	-	-
	5775 (Pk)		99.56	-	-
	5850 (Pk)		58.92	122.20*	-63.28
	5855 (Pk)		56.33	110.80*	-54.47
	5875 (Pk)		51.68	105.20*	-53.52
	5925 (Pk)		47.88	68.20*	-20.32
	11550 (Av)		64.64	68.23	-3.59
	11550 (Pk)		50.11	54.00	-3.89
	17325 (Pk)		56.16	68.23	-12.07
	17325 (Av)		44.55	54.00	-9.45

7.5 FREQUENCY STABILITY

Result

Pass

Test Specification

FCC part 15 Subpart C 15.407 (g) / RSS Gen Issue 5, Section 8.11

Test Method

Subclause 6.8.1 of ANSI C63.10

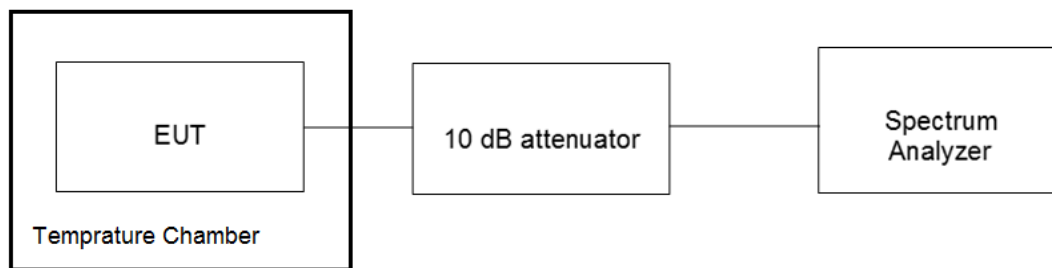
Port of testing

Antenna port

Requirement

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual

Test Method:



Test Condition:

Normal Test Condition:

Temperature (Norm) = + 22.6 °C

Voltage = 56VDC through POE Injector

Relative humidity: 62 %

KDB Guidelines applied:

Measurements were made as per section A (3) in KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 158 von 170

Page 158 of 170

Test results:

Temperature (°C)	Channel Bandwidth (MHz)	Channel frequency (MHz)	0 Min	2 Min	5 Min	10 Min
-40	20	5180	-1.720	-1.370	-1.350	-1.650
		5200	-0.950	0.830	-1.080	-1.860
		5240	-0.900	-1.630	-1.520	2.060
		5745	0.840	0.820	-0.200	-0.180
		5785	0.860	0.890	1.460	1.400
5825		0.680	0.240	-9.590	0.800	
-30		5180	0.810	0.790	-0.980	1.180
		5200	1.390	-1.540	0.550	-0.800
		5240	1.800	0.710	-1.680	1.520
		5745	-1.140	-1.450	0.720	0.680
		5785	0.670	0.790	0.750	0.750
5825		0.690	0.750	-0.110	-1.200	
-20		5180	0.780	0.840	0.760	-1.890
		5200	-1.300	-1.600	0.320	0.360
		5240	-0.030	1.370	0.810	-1.790
		5745	-0.900	1.180	0.620	-0.020
		5785	0.670	-1.400	0.970	0.640
5825		-0.990	-0.980	-1.530	0.840	
-10		5180	1.500	0.800	-1.520	0.060
		5200	0.890	1.790	-1.980	0.070
		5240	1.300	-1.710	-1.010	-0.560
		5745	-1.240	-1.020	-1.170	-0.800
		5785	-1.060	-0.210	-0.920	1.110
5825		0.840	0.710	0.790	0.420	
0		5180	-0.820	0.270	-1.250	-1.480
		5200	-0.890	-1.750	-1.940	-1.940
		5240	-0.980	1.180	1.190	-1.280
		5745	-1.010	-0.930	-1.780	0.800
		5785	0.690	1.020	1.990	0.880
5825		0.880	0.800	0.730	0.680	
10		5180	0.820	0.760	0.580	0.670
		5200	0.280	0.840	0.810	1.110
		5240	0.820	1.480	1.590	1.770
		5745	0.750	0.580	0.790	0.850
		5785	0.750	0.780	-1.030	-1.010
5825		-0.900	-1.300	-1.020	-1.140	
20		5180	0.810	1.440	0.870	1.440
		5200	0.850	0.870	0.880	0.800
		5240	0.800	1.510	0.820	101.350
		5745	0.670	0.680	0.820	-0.100
		5785	1.170	0.830	0.790	0.810
5825		0.720	0.840	0.840	1.080	
30		5180	2.050	0.840	1.880	-0.320
		5200	0.720	0.830	0.600	1.260
		5240	110.870	0.760	1.230	-1.450
		5745	-1.500	1.270	0.000	0.030
		5785	0.940	-0.120	0.730	0.900
5825		0.730	0.790	0.120	0.490	
40		5180	0.430	0.820	1.220	0.180
		5200	1.000	0.880	0.850	0.680
		5240	0.790	1.240	1.420	1.490
		5745	0.790	0.810	0.780	0.750
		5785	0.770	0.820	-1.560	-1.510
5825		-0.970	-0.850	-1.070	1.600	
50		5180	0.860	0.200	-1.350	0.280
		5200	-1.200	0.000	-2.100	-1.500
		5240	1.470	0.790	0.160	0.920
		5745	0.690	0.310	0.310	0.350
		5785	0.770	1.030	1.200	1.750
5825		0.690	0.750	0.710	-0.900	
60		5180	-1.780	-1.370	-1.350	-1.650
		5200	-0.920	0.830	-1.080	-1.860
		5240	-0.900	-1.630	-1.500	2.060
		5745	0.840	0.820	-0.200	-0.180
		5785	0.860	0.790	1.460	1.400
			5825	0.150	0.240	-9.590

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 159 von 170
Page 159 of 170

Temperature (°C)	Channel Bandwidth (MHz)	Channel frequency (MHz)	0 Min	2 Min	5 Min	10 Min
-40	40	5190	-2.150	-2.300	-2.140	-2.520
		5230	-2.470	-2.140	-2.110	-3.010
		5755	-2.770	-4.460	-4.510	-4.320
		5795	-2.030	-2.370	-3.010	-0.340
-30		5190	-1.980	-3.240	-3.180	-3.290
		5230	-3.760	-1.750	-2.090	-3.320
		5755	-2.250	-1.520	-1.450	-1.320
		5795	-2.520	-1.520	-3.100	-1.320
-20		5190	-1.910	-2.450	-2.140	-2.320
		5230	-1.660	-2.290	-2.050	-2.170
		5755	-1.610	-2.990	1.630	1.380
		5795	1.820	1.830	-1.590	1.320
-10		5190	2.840	1.960	-1.740	-1.410
		5230	-1.390	-2.030	-2.450	-1.130
		5755	-1.700	1.460	-1.720	1.900
		5795	2.060	1.720	1.510	1.850
0		5190	3.800	-2.040	-3.010	-2.440
		5230	-1.990	-1.780	-0.450	-1.990
		5755	-1.970	-2.030	-2.300	-2.010
		5795	-2.130	1.840	1.630	-1.590
10		5190	-2.050	-2.100	-3.200	-1.980
		5230	-3.370	-2.660	3.170	3.180
		5755	1.620	1.790	1.720	1.590
		5795	2.220	-1.790	-0.400	-1.760
20		5190	-1.400	-2.000	-3.370	-1.450
		5230	-1.700	3.860	-2.150	-2.150
		5755	-1.920	-1.460	1.860	1.590
		5795	2.970	1.590	1.460	0.520
30		5190	-1.650	-1.810	-1.880	-2.300
		5230	-1.720	-1.980	-1.880	-2.730
		5755	-1.330	-1.580	1.810	1.890
		5795	1.470	1.890	-1.930	1.670
40		5190	-1.610	-2.310	-3.790	-3.790
		5230	-1.850	-1.680	-2.210	2.050
		5755	1.830	0.720	-0.280	1.580
		5795	2.380	1.550	0.460	-0.540
50		5190	3.450	1.790	1.790	-3.070
		5230	-3.720	-4.560	-2.460	-1.040
		5755	-2.280	1.650	1.490	0.740
		5795	1.620	-1.940	-1.740	-0.450
60		5190	1.610	2.700	1.600	-1.790
		5230	-2.450	-3.820	-1.830	-2.320
		5755	-1.470	-1.750	-2.110	-1.540
		5795	-1.700	-1.810	-1.940	-1.900

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 160 von 170

Page 160 of 170

Temperature (°C)	Channel Bandwidth (MHz)	Channel frequency (MHz)	0 Min	2 Min	5 Min	10 Min
-40	80	5210	-2.200	-2.790	-2.740	-2.770
		5775	2.510	2.740	2.850	1.570
-30		5210	-2.110	-3.180	-2.800	-0.420
		5775	-2.000	1.620	1.690	1.880
-20		5210	-3.790	-2.910	-1.970	-2.670
		5775	1.510	1.540	0.790	-0.390
-10		5210	-3.430	5.670	-1.630	-0.530
		5775	1.390	1.440	0.450	-1.320
0		5210	-2.110	-3.240	-2.800	-0.450
		5775	-2.030	1.620	1.790	1.880
10		5210	-4.880	-1.900	-3.010	5.120
		5775	1.890	5.480	1.630	-0.340
20		5210	5.390	4.860	-2.940	-2.850
		5775	1.330	0.440	-1.540	1.930
30		5210	1.540	-2.460	5.150	1.690
		5775	1.850	0.760	-1.210	1.540
40		5210	2.830	1.900	1.920	-1.320
		5775	-18.150	-19.250	-19.180	-18.150
50		5210	-3.770	-5.120	3.030	2.860
		5775	2.160	0.750	1.380	-0.850
60		5210	-3.880	3.260	-0.880	-4.470
		5775	-2.100	-1.560	-0.990	-1.750

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 161 von 170
Page 161 of 170

7.6 AC POWER LINES CONDUCTED EMISSION

Result

Pass

Test Specification : FCC Part 15 Section 15.207/RSS Gen Issue 5 Section 8.8
Test Method : ANSI C 63.10-2013
Testing Location : Screened room
Measurement Bandwidth : 9kHz
Frequency Range : 150kHz – 30MHz
Supply Voltage : 110VAC,60Hz
Test Method : Refer TEST METHODOLOGY

Limits of section 15.207

Frequency of emission (MHz)	Conducted limit (dBµV)	
	Quasi-peak (dBµV)	Average (dBµV)
0.15-0.5	66-56*	56-46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency

Test Conditions:

Normal Temperature = +24°C Voltage (V norm) = 110V AC (Through POE Injector) RH = 64 %

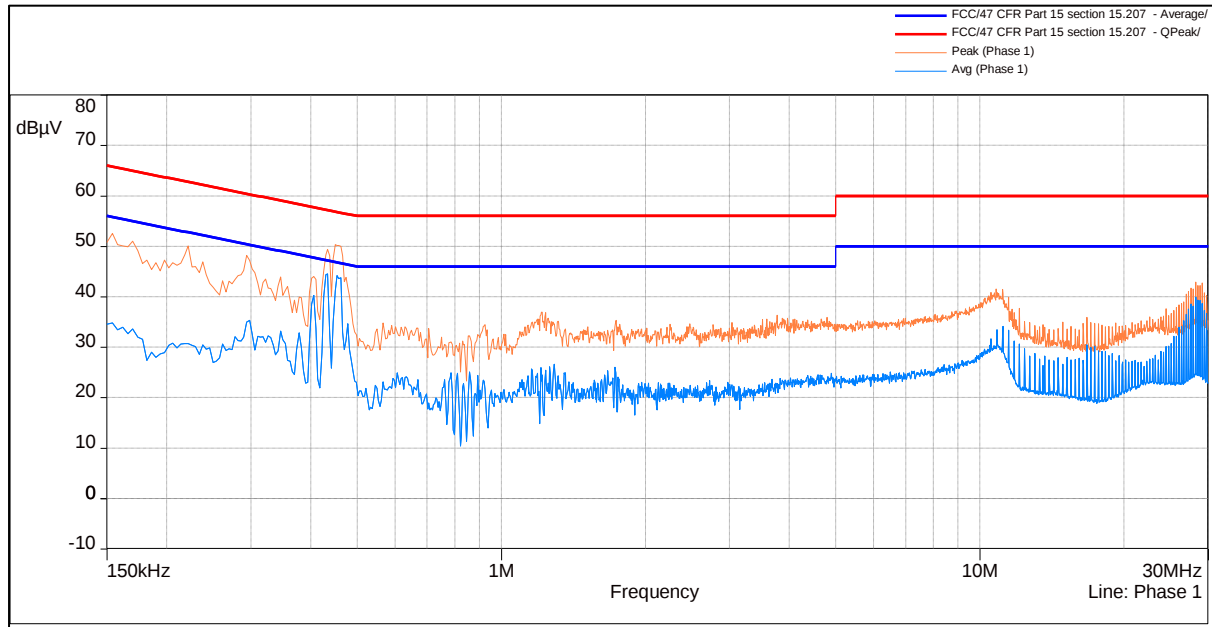
Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 162 von 170
Page 162 of 170

Test results:

110VAC-60Hz-Line



Quasipeak:-

Frequency (MHz)	Level (dBμV)	Limit (dBμV)	Margin (dB)	Comments
0.4486	48.49	56.88	-8.39	Pass
0.42715	46.01	57.33	-11.33	Pass
0.1545	48.83	65.78	-16.95	Pass
28.2385	40.9	60	-19.1	Pass
29.16825	39.67	60	-20.33	Pass
11.17225	38.39	60	-21.61	Pass
0.8544	30.76	56	-25.24	Pass

Average:-

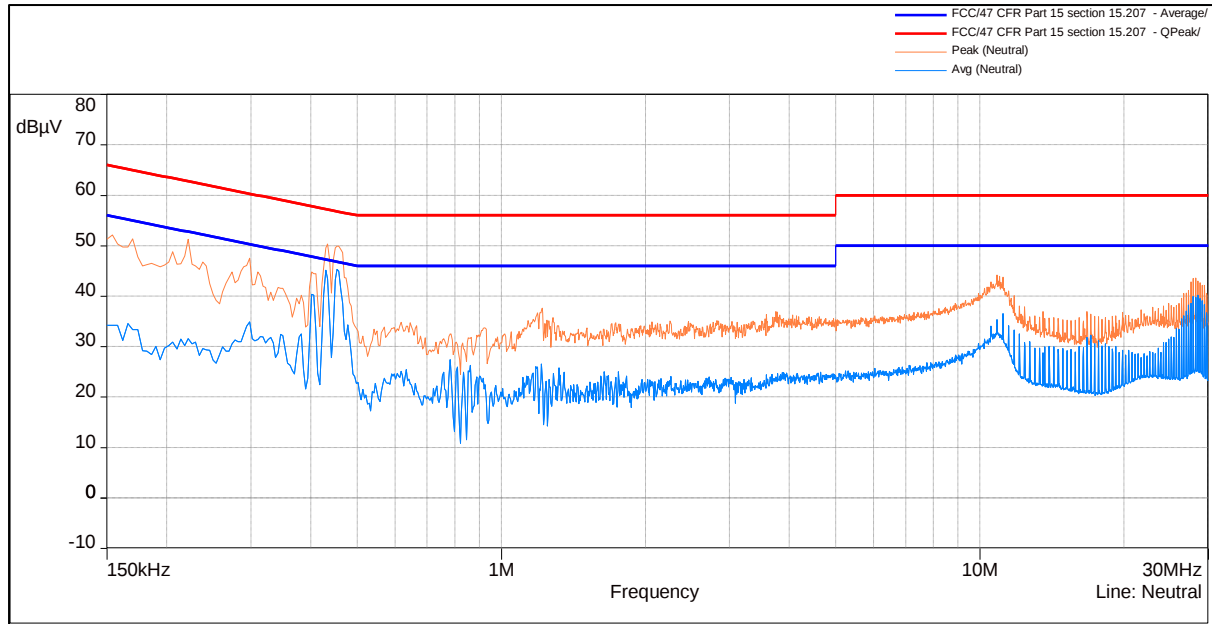
Frequency (MHz)	Level (dBμV)	Limit (dBμV)	Margin (dB)	Comments
0.42715	43.41	47.33	-3.92	Pass
0.4486	40.76	46.88	-6.11	Pass
28.2385	39.57	50	-10.43	Pass
29.16825	38.14	50	-11.86	Pass
11.17225	33.83	50	-16.17	Pass
0.8544	24.99	46	-21.01	Pass
0.1545	34.5	55.78	-21.28	Pass

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 163 von 170
Page 163 of 170

110VAC-60Hz-Neutral:



Quasipeak:-

Frequency (MHz)	Level (dBμV)	Limit (dBμV)	Margin (dB)	Comments
0.4507	48.73	56.88	-8.15	Pass
0.2962	45.13	60.3	-15.17	Pass
0.40425	42.27	57.73	-15.46	Pass
0.1545	48.04	65.78	-17.74	Pass
28.5496	41.21	60	-18.79	Pass
27.92915	40.72	60	-19.28	Pass
11.17315	40.1	60	-19.9	Pass
1.2167	34.03	56	-21.97	Pass

Average:-

Frequency (MHz)	Level (dBμV)	Limit (dBμV)	Margin (dB)	Comments
0.4507	43.37	46.88	-3.51	Pass
0.40425	40.48	47.73	-7.24	Pass
28.5496	39.97	50	-10.03	Pass
27.92915	39.47	50	-10.53	Pass
11.17315	35.39	50	-14.61	Pass
0.2962	34.91	50.3	-15.39	Pass
0.1545	33.72	55.78	-22.06	Pass
1.2167	22.03	46	-23.97	Pass

8 LIST OF TABLES

Table 1: List of test and measurement instruments	7
Table 2: Instrument application Software versions	8
Table 3: Ratings and System Details as declared by the Client*	9
Table 4: Antenna Details	10
Table 5: Measurement Uncertainty	10
Table 6: List of Wi-Fi center Frequencies	12
Table 7: Undesirable emission limits	57
Table 8: Transmitter limits for Radiated emission	59

9 POWER LEVEL USED FOR TESTING

Antenna Type & Antenna Gain: Omni Antenna & 12dBi

a-mode 6Mbps	
5180	28
5200	28
5240	28
5745	32
5785	32
5825	32
a-mode 54Mbps	
5180	28
5200	28
5240	28
5745	32
5785	32
5825	32
ac-mode VHT20_MCS0	
5180	30
5200	30
5240	30
5745	32
5785	32
5825	32
ac-mode VHT20_MCS8	
5180	30
5200	30
5240	30
5745	32
5785	32
5825	32

n-mode HT20_MCS0	
5180	28
5200	28
5240	28
5745	32
5785	32
5825	32
n-mode HT20_MCS7	
5180	28
5200	28
5240	28
5745	32
5785	32
5825	32
n-mode HT40_MCS0	
5190	26
5230	32
5755	32
5795	32
n-mode HT40_MCS7	
5190	20
5230	32
5755	32
5795	32

ac-mode VHT40_MCS0	
5190	24
5230	32
5755	32
5795	32
ac-mode VHT40_MCS9	
5190	20
5230	32
5755	32
5795	32
ac_VHT80_MCS0	
5210	32
5775	32
ac_VHT80_MCS9	
5210	32
5775	32

ax-mode HE20_HE0	
5180	30
5200	30
5240	30
5745	32
5785	32
5825	32
ax-mode HE20_HE11	
5180	30
5200	30
5240	30
5745	32
5785	32
5825	32

ax-mode HE40_HE0	
5190	32
5230	32
5755	32
5795	32
ax-mode HE40_HE11	
5190	32
5230	32
5755	32
5795	32

ax-mode HE80_HE0	
5210	32
5775	32
ax-mode HE80_HE11	
5210	32
5775	32

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 166 von 170
Page 166 of 170

Antenna Type & Antenna Gain: Integrated Panel Antenna & 15dBi

a-mode 6Mbps	
5180	28
5200	28
5240	28
5745	32
5785	32
5825	32
a-mode 54Mbps	
5180	28
5200	28
5240	28
5745	32
5785	32
5825	32
ac-mode VHT20_MCS0	
5180	30
5200	30
5240	30
5745	32
5785	32
5825	32
ac-mode VHT20_MCS8	
5180	30
5200	30
5240	30
5745	32
5785	32
5825	32

n-mode HT20_MCS0	
5180	28
5200	28
5240	28
5745	32
5785	32
5825	32
n-mode HT20_MCS7	
5180	28
5200	28
5240	28
5745	32
5785	32
5825	32
n-mode HT40_MCS0	
5190	26
5230	32
5755	32
5795	32
n-mode HT40_MCS7	
5190	20
5230	32
5755	32
5795	32

ac-mode VHT40_MCS0	
5190	24
5230	32
5755	32
5795	32
ac-mode VHT40_MCS9	
5190	20
5230	32
5755	32
5795	32
ac_VHT80_MCS0	
5210	22
5775	32
ac_VHT80_MCS9	
5210	20
5775	32

ax-mode HE20_HE0	
5180	30
5200	30
5240	30
5745	32
5785	32
5825	32
ax-mode HE20_HE11	
5180	30
5200	30
5240	30
5745	32
5785	32
5825	32

ax-mode HE40_HE0	
5190	24
5230	32
5755	32
5795	32
ax-mode HE40_HE11	
5190	20
5230	32
5755	32
5795	32

ax-mode HE80_HE0	
5210	24
5775	32
ax-mode HE80_HE11	
5210	18
5775	32

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 167 von 170

Page 167 of 170

Antenna Type & Antenna Gain: Sector Antenna & 21dBi

a-mode 6Mbps	
5180	24
5200	24
5240	24
5745	30
5785	30
5825	30
a-mode 54Mbps	
5180	24
5200	24
5240	24
5745	30
5785	30
5825	30
ac-mode VHT20_MCS0	
5180	20
5200	20
5240	20
5745	30
5785	30
5825	30
ac-mode VHT20_MCS8	
5180	20
5200	20
5240	20
5745	30
5785	30
5825	30

n-mode HT20_MCS0	
5180	16
5200	16
5240	16
5745	30
5785	30
5825	30
n-mode HT20_MCS7	
5180	16
5200	16
5240	16
5745	30
5785	30
5825	30
n-mode HT40_MCS0	
5190	20
5230	20
5755	30
5795	30
n-mode HT40_MCS7	
5190	20
5230	20
5755	30
5795	30

ac-mode VHT40_MCS0	
5190	20
5230	20
5755	30
5795	30
ac-mode VHT40_MCS9	
5190	20
5230	20
5755	30
5795	30
ac_VHT80_MCS0	
5210	20
5775	20
ac_VHT80_MCS9	
5210	20
5775	20

ax-mode HE20_HE0	
5180	20
5200	20
5240	20
5745	30
5785	30
5825	30
ax-mode HE20_HE11	
5180	20
5200	20
5240	20
5745	30
5785	30
5825	30

ax-mode HE40_HE0	
5190	20
5230	20
5755	30
5795	30
ax-mode HE40_HE11	
5190	20
5230	20
5755	30
5795	30

ax-mode HE80_HE0	
5210	20
5775	20
ax-mode HE80_HE11	
5210	20
5775	20

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 168 von 170
Page 168 of 170

Antenna Type & Antenna Gain: Integrated Panel Antenna & 23dBi

a-mode 6Mbps	
5180	20
5200	20
5240	20
5745	30
5785	30
5825	30
a-mode 54Mbps	
5180	20
5200	20
5240	20
5745	28
5785	28
5825	28
ac-mode VHT20_MCS0	
5180	20
5200	20
5240	20
5745	28
5785	28
5825	28
ac-mode VHT20_MCS8	
5180	20
5200	20
5240	20
5745	28
5785	28
5825	28

n-mode HT20_MCS0	
5180	20
5200	20
5240	20
5745	28
5785	28
5825	28
n-mode HT20_MCS7	
5180	18
5200	18
5240	18
5745	28
5785	28
5825	28
n-mode HT40_MCS0	
5190	20
5230	20
5755	28
5795	28
n-mode HT40_MCS7	
5190	20
5230	20
5755	28
5795	28

ac-mode VHT40_MCS0	
5190	12
5230	12
5755	28
5795	28
ac-mode VHT40_MCS9	
5190	12
5230	12
5755	28
5795	28
ac_VHT80_MCS0	
5210	12
5775	28
ac_VHT80_MCS9	
5210	12
5775	28

ax-mode HE20_HE0	
5180	20
5200	20
5240	20
5745	30
5785	30
5825	30
ax-mode HE20_HE11	
5180	20
5200	20
5240	20
5745	30
5785	30
5825	30

ax-mode HE40_HE0	
5190	12
5230	12
5755	28
5795	28
ax-mode HE40_HE11	
5190	10
5230	10
5755	28
5795	28

ax-mode HE80_HE0	
5210	12
5775	28
ax-mode HE80_HE11	
5210	12
5775	28

Prüfbericht - Nr.:

Test Report No.:

IN24MKOD 001

Seite 169 von 170

Page 169 of 170

Antenna Type & Antenna Gain: Panel Antenna & 28dBi

a-mode 6Mbps	
5180	14
5200	16
5240	18
5745	30
5785	30
5825	30
a-mode 54Mbps	
5180	16
5200	16
5240	18
5745	30
5785	30
5825	30
ac-mode VHT20_MCS0	
5180	13
5200	20
5240	20
5745	30
5785	30
5825	30
ac-mode VHT20_MCS8	
5180	13
5200	20
5240	20
5745	30
5785	30
5825	30

n-mode HT20_MCS0	
5180	16
5200	20
5240	20
5745	30
5785	30
5825	30
n-mode HT20_MCS7	
5180	13
5200	20
5240	20
5745	30
5785	30
5825	30
n-mode HT40_MCS0	
5190	10
5230	16
5755	30
5795	30
n-mode HT40_MCS7	
5190	10
5230	16
5755	30
5795	30

ac-mode VHT40_MCS0	
5190	10
5230	16
5755	30
5795	30
ac-mode VHT40_MCS9	
5190	10
5230	16
5755	30
5795	30
ac_VHT80_MCS0	
5210	8
5775	20
ac_VHT80_MCS9	
5210	4
5775	20

ax-mode HE20_HE0	
5180	14
5200	20
5240	20
5745	30
5785	30
5825	30
ax-mode HE20_HE11	
5180	13
5200	20
5240	20
5745	30
5785	30
5825	30

ax-mode HE40_HE0	
5190	10
5230	16
5755	30
5795	30
ax-mode HE40_HE11	
5190	10
5230	16
5755	30
5795	30

ax-mode HE80_HE0	
5210	8
5775	20
ax-mode HE80_HE11	
5210	4
5775	20

Prüfbericht - Nr.:
Test Report No.:

IN24MKOD 001

Seite 170 von 170
Page 170 of 170

Antenna Type & Antenna Gain: Dish Antenna & 35dBi

<table><tr><td colspan="2">a-mode 6Mbps</td></tr><tr><td>5180</td><td>0</td></tr><tr><td>5200</td><td>0</td></tr><tr><td>5240</td><td>0</td></tr><tr><td>5745</td><td>28</td></tr><tr><td>5785</td><td>28</td></tr><tr><td>5825</td><td>28</td></tr><tr><td colspan="2">a-mode 54Mbps</td></tr><tr><td>5180</td><td>0</td></tr><tr><td>5200</td><td>0</td></tr><tr><td>5240</td><td>0</td></tr><tr><td>5745</td><td>28</td></tr><tr><td>5785</td><td>28</td></tr><tr><td>5825</td><td>28</td></tr><tr><td colspan="2">ac-mode VHT20_MCS0</td></tr><tr><td>5180</td><td>0</td></tr><tr><td>5200</td><td>0</td></tr><tr><td>5240</td><td>0</td></tr><tr><td>5745</td><td>28</td></tr><tr><td>5785</td><td>28</td></tr><tr><td>5825</td><td>28</td></tr><tr><td colspan="2">ac-mode VHT20_MCS8</td></tr><tr><td>5180</td><td>0</td></tr><tr><td>5200</td><td>0</td></tr><tr><td>5240</td><td>0</td></tr><tr><td>5745</td><td>28</td></tr><tr><td>5785</td><td>28</td></tr><tr><td>5825</td><td>28</td></tr></table>	a-mode 6Mbps		5180	0	5200	0	5240	0	5745	28	5785	28	5825	28	a-mode 54Mbps		5180	0	5200	0	5240	0	5745	28	5785	28	5825	28	ac-mode VHT20_MCS0		5180	0	5200	0	5240	0	5745	28	5785	28	5825	28	ac-mode VHT20_MCS8		5180	0	5200	0	5240	0	5745	28	5785	28	5825	28	<table><tr><td colspan="2">n-mode HT20_MCS0</td></tr><tr><td>5180</td><td>0</td></tr><tr><td>5200</td><td>0</td></tr><tr><td>5240</td><td>0</td></tr><tr><td>5745</td><td>28</td></tr><tr><td>5785</td><td>28</td></tr><tr><td>5825</td><td>28</td></tr><tr><td colspan="2">n-mode HT20_MCS7</td></tr><tr><td>5180</td><td>0</td></tr><tr><td>5200</td><td>0</td></tr><tr><td>5240</td><td>0</td></tr><tr><td>5745</td><td>28</td></tr><tr><td>5785</td><td>28</td></tr><tr><td>5825</td><td>28</td></tr><tr><td colspan="2">n-mode HT40_MCS0</td></tr><tr><td>5190</td><td>0</td></tr><tr><td>5230</td><td>0</td></tr><tr><td>5755</td><td>28</td></tr><tr><td>5795</td><td>28</td></tr><tr><td colspan="2">n-mode HT40_MCS7</td></tr><tr><td>5190</td><td>0</td></tr><tr><td>5230</td><td>0</td></tr><tr><td>5755</td><td>28</td></tr><tr><td>5795</td><td>28</td></tr></table>	n-mode HT20_MCS0		5180	0	5200	0	5240	0	5745	28	5785	28	5825	28	n-mode HT20_MCS7		5180	0	5200	0	5240	0	5745	28	5785	28	5825	28	n-mode HT40_MCS0		5190	0	5230	0	5755	28	5795	28	n-mode HT40_MCS7		5190	0	5230	0	5755	28	5795	28	<table><tr><td colspan="2">ac-mode VHT40_MCS0</td></tr><tr><td>5190</td><td>0</td></tr><tr><td>5230</td><td>0</td></tr><tr><td>5755</td><td>28</td></tr><tr><td>5795</td><td>28</td></tr><tr><td colspan="2">ac-mode VHT40_MCS9</td></tr><tr><td>5190</td><td>0</td></tr><tr><td>5230</td><td>0</td></tr><tr><td>5755</td><td>28</td></tr><tr><td>5795</td><td>28</td></tr><tr><td colspan="2">ac_VHT80_MCS0</td></tr><tr><td>5210</td><td>0</td></tr><tr><td>5775</td><td>14</td></tr><tr><td colspan="2">ac_VHT80_MCS9</td></tr><tr><td>5210</td><td>0</td></tr><tr><td>5775</td><td>14</td></tr></table>	ac-mode VHT40_MCS0		5190	0	5230	0	5755	28	5795	28	ac-mode VHT40_MCS9		5190	0	5230	0	5755	28	5795	28	ac_VHT80_MCS0		5210	0	5775	14	ac_VHT80_MCS9		5210	0	5775	14
a-mode 6Mbps																																																																																																																																										
5180	0																																																																																																																																									
5200	0																																																																																																																																									
5240	0																																																																																																																																									
5745	28																																																																																																																																									
5785	28																																																																																																																																									
5825	28																																																																																																																																									
a-mode 54Mbps																																																																																																																																										
5180	0																																																																																																																																									
5200	0																																																																																																																																									
5240	0																																																																																																																																									
5745	28																																																																																																																																									
5785	28																																																																																																																																									
5825	28																																																																																																																																									
ac-mode VHT20_MCS0																																																																																																																																										
5180	0																																																																																																																																									
5200	0																																																																																																																																									
5240	0																																																																																																																																									
5745	28																																																																																																																																									
5785	28																																																																																																																																									
5825	28																																																																																																																																									
ac-mode VHT20_MCS8																																																																																																																																										
5180	0																																																																																																																																									
5200	0																																																																																																																																									
5240	0																																																																																																																																									
5745	28																																																																																																																																									
5785	28																																																																																																																																									
5825	28																																																																																																																																									
n-mode HT20_MCS0																																																																																																																																										
5180	0																																																																																																																																									
5200	0																																																																																																																																									
5240	0																																																																																																																																									
5745	28																																																																																																																																									
5785	28																																																																																																																																									
5825	28																																																																																																																																									
n-mode HT20_MCS7																																																																																																																																										
5180	0																																																																																																																																									
5200	0																																																																																																																																									
5240	0																																																																																																																																									
5745	28																																																																																																																																									
5785	28																																																																																																																																									
5825	28																																																																																																																																									
n-mode HT40_MCS0																																																																																																																																										
5190	0																																																																																																																																									
5230	0																																																																																																																																									
5755	28																																																																																																																																									
5795	28																																																																																																																																									
n-mode HT40_MCS7																																																																																																																																										
5190	0																																																																																																																																									
5230	0																																																																																																																																									
5755	28																																																																																																																																									
5795	28																																																																																																																																									
ac-mode VHT40_MCS0																																																																																																																																										
5190	0																																																																																																																																									
5230	0																																																																																																																																									
5755	28																																																																																																																																									
5795	28																																																																																																																																									
ac-mode VHT40_MCS9																																																																																																																																										
5190	0																																																																																																																																									
5230	0																																																																																																																																									
5755	28																																																																																																																																									
5795	28																																																																																																																																									
ac_VHT80_MCS0																																																																																																																																										
5210	0																																																																																																																																									
5775	14																																																																																																																																									
ac_VHT80_MCS9																																																																																																																																										
5210	0																																																																																																																																									
5775	14																																																																																																																																									
<table><tr><td colspan="2">ax-mode HE20_HE0</td></tr><tr><td>5180</td><td>0</td></tr><tr><td>5200</td><td>0</td></tr><tr><td>5240</td><td>0</td></tr><tr><td>5745</td><td>28</td></tr><tr><td>5785</td><td>28</td></tr><tr><td>5825</td><td>28</td></tr><tr><td colspan="2">ax-mode HE20_HE11</td></tr><tr><td>5180</td><td>0</td></tr><tr><td>5200</td><td>0</td></tr><tr><td>5240</td><td>0</td></tr><tr><td>5745</td><td>28</td></tr><tr><td>5785</td><td>28</td></tr><tr><td>5825</td><td>28</td></tr></table>	ax-mode HE20_HE0		5180	0	5200	0	5240	0	5745	28	5785	28	5825	28	ax-mode HE20_HE11		5180	0	5200	0	5240	0	5745	28	5785	28	5825	28	<table><tr><td colspan="2">ax-mode HE40_HE0</td></tr><tr><td>5190</td><td>0</td></tr><tr><td>5230</td><td>0</td></tr><tr><td>5755</td><td>28</td></tr><tr><td>5795</td><td>28</td></tr><tr><td colspan="2">ax-mode HE40_HE11</td></tr><tr><td>5190</td><td>0</td></tr><tr><td>5230</td><td>0</td></tr><tr><td>5755</td><td>28</td></tr><tr><td>5795</td><td>28</td></tr></table>	ax-mode HE40_HE0		5190	0	5230	0	5755	28	5795	28	ax-mode HE40_HE11		5190	0	5230	0	5755	28	5795	28	<table><tr><td colspan="2">ax-mode HE80_HE0</td></tr><tr><td>5210</td><td>0</td></tr><tr><td>5775</td><td>14</td></tr><tr><td colspan="2">ax-mode HE80_HE11</td></tr><tr><td>5210</td><td>0</td></tr><tr><td>5775</td><td>14</td></tr></table>	ax-mode HE80_HE0		5210	0	5775	14	ax-mode HE80_HE11		5210	0	5775	14																																																																												
ax-mode HE20_HE0																																																																																																																																										
5180	0																																																																																																																																									
5200	0																																																																																																																																									
5240	0																																																																																																																																									
5745	28																																																																																																																																									
5785	28																																																																																																																																									
5825	28																																																																																																																																									
ax-mode HE20_HE11																																																																																																																																										
5180	0																																																																																																																																									
5200	0																																																																																																																																									
5240	0																																																																																																																																									
5745	28																																																																																																																																									
5785	28																																																																																																																																									
5825	28																																																																																																																																									
ax-mode HE40_HE0																																																																																																																																										
5190	0																																																																																																																																									
5230	0																																																																																																																																									
5755	28																																																																																																																																									
5795	28																																																																																																																																									
ax-mode HE40_HE11																																																																																																																																										
5190	0																																																																																																																																									
5230	0																																																																																																																																									
5755	28																																																																																																																																									
5795	28																																																																																																																																									
ax-mode HE80_HE0																																																																																																																																										
5210	0																																																																																																																																									
5775	14																																																																																																																																									
ax-mode HE80_HE11																																																																																																																																										
5210	0																																																																																																																																									
5775	14																																																																																																																																									

***Note:** Above mentioned power level index updated as per the QRCT4 GUI Software provided by the manufacturer.

*****END OF TEST REPORT*****