Produkte
Products

Prüfbericht - Nr.: *Test Report No.:*	**14037858 001**	**Seite 1 von 19** *Page 1 of 19*
Auftraggeber: *Client:*	**Baby Stars GmbH** **Uferstr. 19** **Leipzig** **Germany 04105**	
Gegenstand der Prüfung: *Test Item:*	**WiFi speaker**	
Bezeichnung: *Identification:*	**snu:mee**	**Serien-Nr.:** *Serial No.:* **Engineering sample**
Wareneingangs-Nr.: *Receipt No.:*	**A000140139-007** **A000145302-001**	**Eingangsdatum:** *Date of Receipt:* **05.12.2014** **18.12.2014**
Prüfort: *Testing Location:*	**TÜV Rheinland Hong Kong Ltd.** 8/F, First Group Centre, 14 Wang Tai Road, Kowloon Bay, Kowloon, Hong Kong **Hong Kong Productivity Council** HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong	
Zustand des Prüfgegenstandes bei Anlieferung: *Condition of test item at delivery:*	Test samples are not damaged and suitable for testing.	
Prüfgrundlage: *Test Specification:*	**FCC Part 15 Subpart C** **ANSI C63.4-2009**	
Prüfergebnis: *Test Results:*	**Das vorstehend beschriebene Gerät wurde geprüft und entspricht oben genannter Prüfgrundlage.** The above mentioned product was tested and **passed**.	
Prüflaboratorium: *Testing Laboratory:*	**TÜV Rheinland Hong Kong Ltd.** 8 - 10/F., Goldin Financial Global Square, 7 Wang Tai Road, Kowloon Bay, Kowloon, Hong Kong	

geprüft/ *tested by:*			**kontrolliert/** *reviewed by:*		
23.06.2015	Joey Leung Project Engineer	Joey Leung	23.06.2015	Benny Lau Senior Project Manager	Benny Lau
Datum *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*

Sonstiges:
Other Aspects **FCC ID: 2ADSR-SNUMEE-01**

Abkürzungen:				*Abbreviations:*			
	P(ass)	=	*entspricht Prüfgrundlage*		*P(ass)*	=	*passed*
	F(ail)	=	*entspricht nicht Prüfgrundlage*		*F(ail)*	=	*failed*
	N/A	=	*nicht anwendbar*		*N/A*	=	*not applicable*
	N/T	=	*nicht getestet*		*N/T*	=	*not tested*

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Product information

Manufacturers declarations

	Transceiver
Operating frequency range	2412 - 2462 MHz
Type of modulation	DSSS, OFDM, MCS0-7
Number of channels	11
Channel separation	5 MHz
Type of antenna	PCB Antenna
Antenna gain (dBi)	2.0 dBi
Power level	fix
Type of equipment	WIFI speaker
Connection to public utility power line	No
Nominal voltage	3.7 VDC (internal battery) 5.0 VDC (USB)
Independent Operation Modes	Transmitting mode

Product function and intended use

The equipment under test (EUT) is a WIFI speaker. It is powered by 3.7VDC internal battery or 5VDC by USB charging cable. It is designed to amplify audio signals and to work as a baby monitor. It is intended for private use and is not fit for any commercial purposes.

It has a factory-made setting of 6 classic slumber tunes and is equipped with a further 7 relaxing sound tunes. Users can operate the EUT by using the integrated control buttons or through the App on smartphone or tablet computer when establishing a WiFi connection.

When the WiFi functionality is switched on, the EUT should be kept separation distance between the radiator and the user or by-stander at least 20cm.

FCC ID: 2ADSR-SNUMEE-01

Models	**Product description**
snu:mee	WIFI speaker

Submitted documents

Circuit Diagram
Block Diagram
Bill of material
User manual
Label

Independent Operation Modes

The basic operation mode is WIFI transmit mode.

For further information refer to User Manual

Related Submittal(s) Grants

This is a single application for certification of the single transmitter.

Remark

The EUT uses 2 PCB antennas. The EUT automatically configure the antennas used in different modes of operation.

In 802.11-B or 802.11-G mode, only one antenna (namely DAC0) will be used.

In 802.11-N mode, both antennas (namely DAC0 and DAC1) will be used.

Test Set-up and Operation Mode

Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

Test Operation and Test Software

Test operation should refer to test methodology.

- Special software is provided by the grantee to set the device to operate in a fixed frequency channel and maximum RF output power level declared by manufacturer.
- Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and data rate.

Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

- none

Countermeasures to achieve EMC Compliance

- none

Test Methodology

Radiated Emission

The radiated emission measurements were performed according to the procedures in ANSI C63.4-2009.

The equipment under test (EUT) was placed at the middle of the 80 cm height turntable, and the turntable is 3 meters far from the measuring antenna. During the testing, the EUT was operated standalone and arranged for maximum emissions. The EUT was tested in three orthogonal planes.

The investigation is performed with the EUT rotated 360°, the antenna height scanned between 1m and 4m, 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.

All radiated tests were performed at an antenna to EUT with 3 meters distance, unless stated otherwise in particular parts of this test report.

Field Strength Calculation

The field strength at 3 m was established by adding the meter reading of the spectrum analyzer to the factors associated with antenna correction factor, cable loss, preamplifiers and filter attenuation.

The equation is expressed as follow:

FS = R + AF + CF + FA – PA

Where FS = Field Strength in dBuV/m at 3 meters.
R = Reading of Spectrum Analyzer in dBuV.
AF = Antenna Factor in dB.
CF = Cable Attenuation Factor in dB.
FA = Filter Attenuation Factor in dB.
PA = Preamplifier Factor in dB.

FA and PA are only be used for the measuring frequency above 1 GHz.

List of Test and Measurement Instruments

Hong Kong Productivity Council (Registration number: 90656)

Radiated Emission

Equipment	Manufacturer	Type	S/N	Due Date
Semi-anechoic Chamber	EMC209	Frankonia	Nil	14 Apr 2016
Cable	EMC 604	Hubersuhner	SUCOFLEX 104	31 Mar 2016
Test Receiver	EMC567	R & S	ESU26	12 Feb 2016
Bi-conical Antenna	EMC577	R & S	HK116	22 Aug 2015
Coaxial cable	EMC624	Harbour	LL335	10 Jun 2016
Microwave amplifer 0.5-26.5GHz, 25dB gain	EMC557	HP	83017A	17 Jul 2016
High Pass Filter (cutoff freq. =1000MHz)	EMC572	Trilithic	23042	28 Oct 2015
Horn Antenna	EMC 185	EMCO	3115	07 Aug 2015

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Radio Test

Equipment	Manufacturer	Type	S/N	Due Date
Spectrum Analyzer	R & S	FSP30	100007	12 Jan 2017
Power meter	Dijkstra Advice, Research & EMC Instruments B.V.	RPR3006W	13I00030SN079	26 Jul 2015

AC Mains Conducted Emission

Equipment	Manufacturer	Type	S/N	Due Date
Test Receiver	R & S	ESR3	101833	12 Sep 2015
LISN	R & S	ENV216	100273	05 Feb 2016
EMC32	R & S	v9.12	N/A	N/A

Results FCC Part 15 – Subpart C

FCC 15.203 – Antenna Requirement 1		**Pass**
FCC Requirement:	No antenna other than that furnished by the responsible party shall be used with the device	
Results:	a) Antenna type:	PCB antenna
	b) Manufacturer and model no:	N/A
	c) Peak Gain:	2.0 dBi
Verdict:	Pass	

FCC 15.204 – Antenna Requirement 2	**N/A**
FCC Requirement:	Provide information for every antenna proposed for the use with the EUT
Results:	The EUT uses printed circuit board antenna only.
Verdict:	N/A

FCC 15.207 – Conducted Emission on AC Mains **Pass**

Test Specification : ANSI C63.4 – 2009
Mode of operation : Charging + music playing with WiFi connected mode
Port of testing : AC Mains input port of power supply
Detector : Quasi-peak and Average
RBW : 9 kHz
Supply voltage : 120Vac 60Hz
Temperature : 23ºC
Humidity : 50%

Requirement: 15.207(a)

Results: Pass

Live measurement

Frequency range (MHz)	Frequency (MHz)	Quasi-peak dBµV	Average dBµV	Limit QP (dBµV)	Limit AV (dBµV)	Verdict
0,15 – 0,5	0.150	51.0	33.9	66 - 56	56 - 46	Pass
> 0,5 - 5	No peak found	---	---	56	46	Pass
> 5 - 30	No peak found	---	---	60	50	Pass

Neutral measurement

Frequency range (MHz)	Frequency (MHz)	Quasi-peak dBµV	Average dBµV	Limit QP (dBµV)	Limit AV (dBµV)	Verdict
0,15 – 0,5	No peak found	---	---	66 - 56	56 - 46	Pass
> 0,5 - 5	No peak found	---	---	56	46	Pass
> 5 - 30	No peak found	---	---	60	50	Pass

Results:	Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and data rate. The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150kHz to 30MHz does not exceed the limits. For test Results plots refer to Appendix 1, page 2-3.

FCC 15.247 (a)(2) – 6dB Bandwidth Measurement **Pass**

FCC Requirement: Systems using digital modulation techniques may operate in the 902 – 928 MHz, 2400 – 2483.5 MHz, and 5725 – 5850 MHz bands. The minimum 6dB bandwidth shall be at least 500kHz.

Test Specification : KDB 558074 D01 DTS Measurement Guidance v03r02 section 8.1 Option 1
Mode of operation : TX mode
Port of testing : Temporary antenna port
Detector : Peak
RBW/VBW : 100KHz/ 300KHz
Supply voltage : 3.3VDC from DC power supply
Temperature : 23ºC
Humidity : 50%

Results: For test protocols please refer to Appendix 1, page 4-9.

802.11b

Channel frequency (MHz)	6 dB left (MHz)	6 dB right (MHz)	6dB bandwidth (MHz)
2412	2406.960	2417.040	10.08
2437	2431.920	2442.120	10.20
2462	2456.960	2467.080	10.12

802.11g

Channel frequency (MHz)	6 dB left (MHz)	6 dB right (MHz)	6dB bandwidth (MHz)
2412	2403.800	2420.240	16.44
2437	2428.800	2445.240	16.44
2462	2453.800	2470.240	16.44

802.11n (20MHz)

Channel frequency (MHz)	6 dB left (MHz)	6 dB right (MHz)	6dB bandwidth (MHz)
2412	2403.240	2420.760	17.52
2437	2428.240	2445.800	17.56
2462	2453.280	2470.600	17.32

802.11n (40MHz)

Channel frequency (MHz)	6 dB left (MHz)	6 dB right (MHz)	6dB bandwidth (MHz)
2422	2403.840	2439.920	36.08

2437	2418.840	2455.160	36.32
2452	2433.760	2470.160	36.40

FCC 15.247(b)(3) – Maximum Peak Conducted Output Power **Pass**

FCC Requirement: For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850MHz bands: 1 Watt (30dBm)

Test Specification : KDB 558074 D01 DTS Measurement Guidance v03r02 section 9.2
Mode of operation : TX mode
Port of testing : Temporary antenna port
Detector : Peak
Supply voltage : 3.3VDC from DC power supply
Temperature : 23ºC
Humidity : 50%

Results: For test protocols please refer to Appendix 1, page 10-18.

802.11b

Channel frequency (MHz)	Maximum peak output power (dBm)	Cable attenuation (dB)	Output power (dBm)	Limit (W/dBm)	Verdict
2412	14.61	0.0	14.61	1 / 30.0	Pass
2437	14.42	0.0	14.42	1 / 30.0	Pass
2462	14.16	0.0	14.16	1 / 30.0	Pass

802.11g

Channel frequency (MHz)	Maximum peak output power (dBm)	Cable attenuation (dB)	Output power (dBm)	Limit (W/dBm)	Verdict
2412	4.88	0.0	4.88	1 / 30.0	Pass
2437	4.33	0.0	4.33	1 / 30.0	Pass
2462	3.86	0.0	3.86	1 / 30.0	Pass

802.11n (20MHz)

Channel frequency (MHz)	Maximum peak output power at DAC0 (dBm)	Maximum peak output power at DAC1 (dBm)	Cable attenuation (dB)	Resultant Output power (dBm)	Limit (W/dBm)	Verdict
2412	3.85	3.32	0.0	6.60	1 / 30.0	Pass
2437	3.25	2.62	0.0	5.96	1 / 30.0	Pass
2462	2.92	1.90	0.0	5.45	1 / 30.0	Pass

802.11n (40MHz)

Channel frequency (MHz)	Maximum peak output power at DAC0 (dBm)	Maximum peak output power at DAC1 (dBm)	Cable attenuation (dB)	Resultant Output power (dBm)	Limit (W/dBm)	Verdict
2422	-1.84	-2.08	0.0	1.05	1 / 30.0	Pass
2437	-2.00	-2.47	0.0	0.78	1 / 30.0	Pass
2452	-2.08	-2.76	0.0	0.60	1 / 30.0	Pass

FCC 15.247(e) – Power Spectral Density **Pass**

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

Test Specification : KDB 558074 D01 DTS Measurement Guidance v03r02 section 10.2
Mode of operation : TX mode
Port of testing : Temporary antenna port
Detector : Peak
RBW/VBW : ≥100 KHz / ≥3xRBW
span : ≥1.5 x DTS BW
Supply voltage : 3.3VDC from DC power supply
Temperature : 23ºC
Humidity : 50%

Results: For test protocols please refer to Appendix 1, page 19-27.

802.11b

Channel frequency (MHz)	Power density (dBm/100kHz)	Limit (dBm/3kHz)	Verdict
2412	-3.27	8.0	Pass
2437	-3.46	8.0	Pass
2462	-3.90	8.0	Pass

802.11g

Channel frequency (MHz)	Power density (dBm/100kHz)	Limit (dBm/3kHz)	Verdict
2412	-14.19	8.0	Pass
2437	-14.59	8.0	Pass
2462	-14.86	8.0	Pass

802.11n (20MHz)

Channel frequency (MHz)	Power density at DAC0 (dBm/100kHz)	Power density at DAC1 (dBm/100kHz)	Resultant power density (dBm/100kHz)	Limit (dBm/3kHz)	Verdict
2412	-16.44	-17.31	-13.84	8.0	Pass
2437	-16.45	-17.51	-13.94	8.0	Pass
2462	-17.34	-18.23	-14.75	8.0	Pass

802.11n (40MHz)

Channel frequency (MHz)	Power density at DAC0 (dBm/100kHz)	Power density at DAC1 (dBm/100kHz)	Resultant power density (dBm/100kHz)	Limit (dBm/3kHz)	Verdict
2422	-16.96	-17.86	-14.38	8.0	Pass
2437	-22.04	-22.41	-19.21	8.0	Pass
2452	-24.04	-24.90	-21.44	8.0	Pass

FCC 15.247(d) – Spurious Conducted Emissions **Pass**

Test Specification : KDB 558074 D01 DTS Measurement Guidance v03r02 section 11.1
Mode of operation : TX mode
Port of testing : Temporary antenna port
Detector : Peak
RBW/VBW : 100 kHz / 300 kHz
Supply voltage : 3.3VDC from DC power supply
Temperature : 23 ºC
Humidity : 50 %

FCC Requirement: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

Results: Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and data rate.

Only the worst cases is shown below. For test protocols refer to Appendix 1, page 28-63.

802.11b

Channel frequency (MHz)	Spurious frequency (MHz)	Spurious Level (dBm)	Reference value (dBm)	Delta (dB)	Verdict
2412	4833.006	-36.84	5.97	-42.81	Pass
2437	4860.006	-36.40	5.62	-42.02	Pass
2462	4914.006	-37.96	5.60	-43.56	Pass

802.11g

Channel frequency (MHz)	Spurious frequency (MHz)	Spurious Level (dBm)	Reference value (dBm)	Delta (dB)	Verdict
2412	4806.006	-44.96	4.53	-49.49	Pass
2437	4860.006	-44.84	4.07	-48.91	Pass
2462	4914.006	-45.75	3.58	-49.33	Pass

802.11n (20MHz, DAC0)

Channel frequency (MHz)	Spurious frequency (MHz)	Spurious Level (dBm)	Reference value (dBm)	Delta (dB)	Verdict
2412	4806.006	-41.20	2.30	-43.50	Pass
2437	4860.006	-42.80	1.80	-44.60	Pass
2462	4914.006	-43.79	1.20	-44.99	Pass

802.11n (20MHz, DAC1)

Channel frequency (MHz)	Spurious frequency (MHz)	Spurious Level (dBm)	Reference value (dBm)	Delta (dB)	Verdict
2412	3213.007	-44.16	1.50	-45.66	Pass
2437	7371.004	-44.32	1.05	-45.37	Pass
2462	3267.007	-43.99	0.30	-44.29	Pass

802.11n (40MHz, DAC0)					
Channel frequency (MHz)	**Spurious frequency (MHz)**	**Spurious Level (dBm)**	**Reference value (dBm)**	**Delta (dB)**	**Verdict**
2422	4833.006	-45.58	-0.80	-44.78	Pass
2437	7560.004	-46.10	-1.20	-44.90	Pass
2452	4266.006	-45.44	0.30	-45.74	Pass
802.11n (40MHz, DAC1)					
Channel frequency (MHz)	**Spurious frequency (MHz)**	**Spurious Level (dBm)**	**Reference value (dBm)**	**Delta (dB)**	**Verdict**
2422	3213.007	-44.00	-1.30	-42.70	Pass
2437	3240.007	-44.11	-1.70	-42.41	Pass
2452	3618.007	-45.34	-2.10	-43.24	Pass

FCC 15.247 (d) – Band edge compliance of conducted emissions **Pass**

Test Specification : KDB 558074 D01 DTS Measurement Guidance v03r02
Mode of operation : Tx mode
Port of testing : Temporary antenna port
Detector : Peak
RBW/VBW : 100 kHz / 300 kHz
Supply voltage : 3.3VDC from DC power supply
Temperature : 23ºC
Humidity : 50%

FCC Requirement: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

Results: Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and data rate.

For test protocols refer to Appendix 1, page 64-69.

802.11b

Channel frequency (MHz)	Spurious frequency (MHz)	Spurious Level (dBm)	Reference value (dBm)	Delta (dB)	Verdict
2412	2400.000	-37.06	2.89	-39.95	Pass
2462	2483.500	-38.91	2.25	-41.16	Pass

802.11g

Channel frequency (MHz)	Spurious frequency (MHz)	Spurious Level (dBm)	Reference value (dBm)	Delta (dB)	Verdict
2412	2400.000	-35.34	1.20	-36.54	Pass
2462	2483.500	-35.31	0.79	-36.10	Pass

802.11n (20MHz) ANT0

Channel frequency (MHz)	Spurious frequency (MHz)	Spurious Level (dBm)	Reference value (dBm)	Delta (dB)	Verdict
2412	2400.000	-37.35	-0.65	-36.70	Pass
2462	2483.500	-39.35	-1.52	-37.83	Pass

802.11n (20MHz) ANT1

Channel frequency (MHz)	Spurious frequency (MHz)	Spurious Level (dBm)	Reference value (dBm)	Delta (dB)	Verdict
2412	2400.000	-36.72	-1.28	-35.44	Pass
2462	2483.500	-39.94	-2.98	-36.96	Pass

802.11n (40MHz) ANT0					
Channel frequency (MHz)	**Spurious frequency (MHz)**	**Spurious Level (dBm)**	**Reference value (dBm)**	**Delta (dB)**	**Verdict**
2422	2400.000	-36.57	-4.23	-32.34	Pass
2452	2483.500	-39.95	-1.52	-38.43	Pass
802.11n (40MHz) ANT1					
Channel frequency (MHz)	**Spurious frequency (MHz)**	**Spurious Level (dBm)**	**Reference value (dBm)**	**Delta (dB)**	**Verdict**
2422	2400.000	-38.05	-4.15	-33.90	Pass
2452	2483.500	-39.80	-6.10	-33.70	Pass

FCC 15.247(d) or 15.205 – Radiated Emissions in Restricted Frequency Bands **Pass**

Test Specification : ANSI C63.4 – 2009
Mode of operation : TX mode
Port of testing : Enclosure
Detector : Peak
Frequency range : 9kHz – 25GHz
RBW/VBW : 100 kHz / 300 kHz for f < 1 GHz
1 MHz / 3 MHz for f > 1 GHz
Supply voltage : 3.7V fully charged internal battery
Temperature : 23ºC
Humidity : 50%

FCC Requirement: In any 100kHz bandwidth outside the frequency band at least 20dB below the highest level of the desired power. In addition, radiated emissions which fall in the restricted bands, as defined in section15.205(a), must also comply with the radiated emission limits specified in section 15.205(c).

Results: Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and data rate.

All three transmit frequency modes comply with the field strength within the restricted bands. There is no spurious found below 30MHz.

Mode: 802.11b 2412MHz TX	Vertical Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2390.000	60.68	74.0 / PK
2390.000	40.03	54.0 / AV
Mode: 802.11b 2412MHz TX	Horizontal Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2389.615	64.42	74.0 / PK
2390.000	41.10	54.0 / AV

Mode: 802.11b 2437MHz TX	Vertical Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
4873.936	57.52	74.0 / PK
4873.952	51.22	54.0 / AV
Mode: 802.11b 2437MHz TX	Horizontal Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
4873.904	57.11	74.0 / PK
4873.952	48.36	54.0 / AV
Mode: 802.11b 2462MHz TX	Vertical Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2483.606	58.36	74.0 / PK
2483.500	40.43	54.0 / AV
4923.960	56.93	74.0 / PK
4923.976	49.70	54.0 / AV
Mode: 802.11b 2462MHz TX	Horizontal Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2483.553	59.32	74.0 / PK
2483.500	40.59	54.0 / AV
4923.744	56.30	74.0 / PK
4923.984	47.95	54.0 / AV
Mode: 802.11g 2412MHz TX	Vertical Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2389.487	58.85	74.0 / PK
2390.000	40.59	54.0 / AV
Mode: 802.11g 2412MHz TX	Horizontal Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2390.000	65.25	74.0 / PK
2390.000	44.51	54.0 / AV
Mode: 802.11g 2437MHz TX	Vertical Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
No peak found	---	74.0 / PK
No peak found	---	54.0 / AV
Mode: 802.11g 2437MHz TX	Horizontal Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
No peak found	---	74.0 / PK
No peak found	---	54.0 / AV
Mode: 802.11g 2462MHz TX	Vertical Polarization	
Freq	**Level**	**Limit/ Detector**

MHz	dBuV/m	dBuV/m
2484.637	57.54	74.0 / PK
2483.500	38.31	54.0 / AV
Mode: 802.11g 2462MHz TX	Horizontal Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2483.923	59.58	74.0 / PK
2483.500	39.60	54.0 / AV
Mode: 802.11n (20MHz) 2412MHz TX	Vertical Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2388.718	62.91	74.0 / PK
2390.000	42.57	54.0 / AV
4824.359	54.85	74.0 / PK
4826.314	40.47	54.0 / AV
Mode: 802.11n (20MHz) 2412MHz TX	Horizontal Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2388.590	65.39	74.0 / PK
2390.000	44.56	54.0 / AV
Mode: 802.11n (20MHz) 2437MHz TX	Vertical Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
No peak found	---	74.0 / PK
No peak found	---	54.0 / AV
Mode: 802.11n (20MHz) 2437MHz TX	Horizontal Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
No peak found	---	74.0 / PK
No peak found	---	54.0 / AV
Mode: 802.11n (20MHz) 2462MHz TX	Vertical Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2485.087	59.35	74.0 / PK
2484.425	38.37	54.0 / AV
Mode: 802.11n (20MHz) 2462MHz TX	Horizontal Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2484.188	61.20	74.0 / PK
2483.685	39.83	54.0 / AV
Mode: 802.11n (40MHz) 2422MHz TX	Vertical Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2386.667	65.45	74.0 / PK
2389.872	44.14	54.0 / AV
Mode: 802.11n (40MHz) 2422MHz TX	Horizontal Polarization	

Freq MHz	Level dBuV/m	Limit/ Detector dBuV/m
2386.538	70.56	74.0 / PK
2390.000	48.31	54.0 / AV
Mode: 802.11n (40MHz) 2437MHz TX	Vertical Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
No peak found	---	74.0 / PK
No peak found	---	54.0 / AV
Mode: 802.11n (40MHz) 2437MHz TX	Horizontal Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
No peak found	---	74.0 / PK
No peak found	---	54.0 / AV
Mode: 802.11n (40MHz) 2452MHz TX	Vertical Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2484.584	60.86	74.0 / PK
2483.500	42.22	54.0 / AV
Mode: 802.11n (40MHz) 2452MHz TX	Horizontal Polarization	
Freq MHz	**Level dBuV/m**	**Limit/ Detector dBuV/m**
2484.055	59.04	74.0 / PK
2483.632	40.78	54.0 / AV