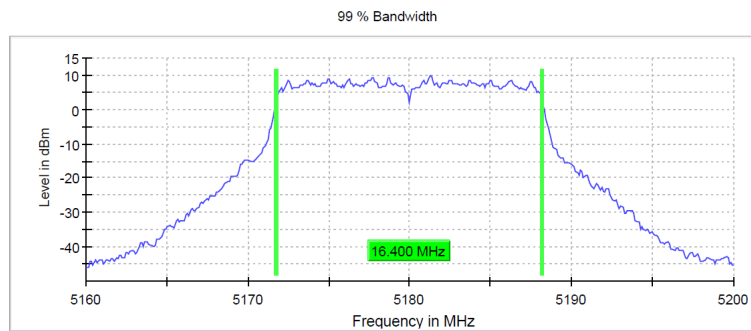


5.3.4 MEASUREMENT PLOT (EXAMPLE PLOT, SHOWING WORST CASE, IF APPLICABLE)

Radio Technology = WLAN ax 20 MHz, UNII- 1, Operating Frequency = low
(S01_AH01)

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5180.000000	16.400000	---	---	5171.750000	5188.150000	PASS

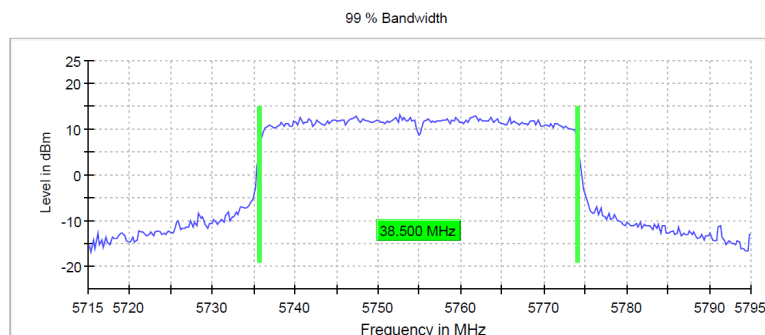


Setting	Instrument Value
Start Frequency	5.16000 GHz
Stop Frequency	5.20000 GHz
Span	40.000 MHz
RBW	200.000 kHz
VBW	1.000 MHz
SweepPoints	400
SweepTime	1.000 ms
Reference Level	0.000 dBm
Attenuation	10.000 dB
Detector	MaxPeak
SweepCount	200
Filter	3 dB
Trace Mode	Max Hold
SweepType	Sweep
Preamp	off
Stablemode	Trace
Stablevalue	0.30 dB
Run	34 / max. 150
Stable	5 / 5
Max Stable Difference	0.24 dB

Radio Technology = WLAN ax 40 MHz, UNII- 3, Operating Frequency = low
(S01_AH01)

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5755.000000	38.500000	---	---	5735.625000	5774.125000	PASS

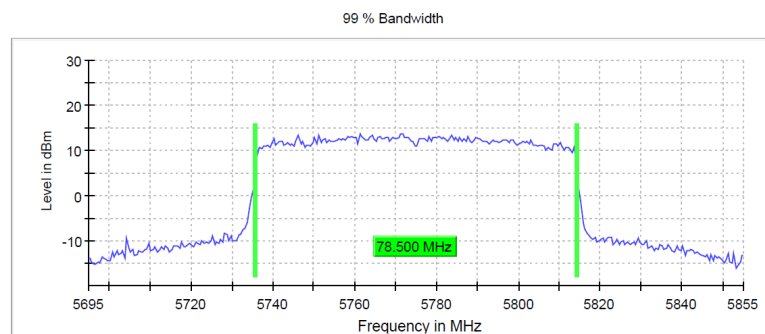


Setting	Instrument Value
Start Frequency	5.71500 GHz
Stop Frequency	5.79500 GHz
Span	80.000 MHz
RBW	500.000 kHz
VBW	2.000 MHz
SweepPoints	320
SweepTime	1.000 ms
Reference Level	0.000 dBm
Attenuation	10.000 dB
Detector	MaxPeak
SweepCount	200
Filter	3 dB
Trace Mode	Max Hold
SweepType	Sweep
Preamp	off
Stablemode	Trace
Stablevalue	0.30 dB
Run	104 / max. 150
Stable	5 / 5
Max Stable Difference	0.07 dB

Radio Technology = WLAN ax 80 MHz, UNII- 3, Operating Frequency = mid
(S01_AH01)

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Result
5775.000000	78.500000	---	---	5735.750000	5814.250000	PASS



Setting	Instrument Value
Start Frequency	5.69500 GHz
Stop Frequency	5.85500 GHz
Span	160.000 MHz
RBW	1.000 MHz
VBW	3.000 MHz
SweepPoints	320
SweepTime	1.000 ms
Reference Level	0.000 dBm
Attenuation	10.000 dB
Detector	MaxPeak
SweepCount	200
Filter	3 dB
Trace Mode	Max Hold
SweepType	Sweep
Preamp	off
Stablemode	Trace
Stablevalue	0.30 dB
Run	102 / max. 150
Stable	5 / 5
Max Stable Difference	0.00 dB

5.3.5 TEST EQUIPMENT USED

- R&S TS8997

5.4 MAXIMUM CONDUCTED OUTPUT POWER

Standard **FCC Part 15 Subpart E**

The test was performed according to:
ANSI C63.10

5.4.1 TEST DESCRIPTION

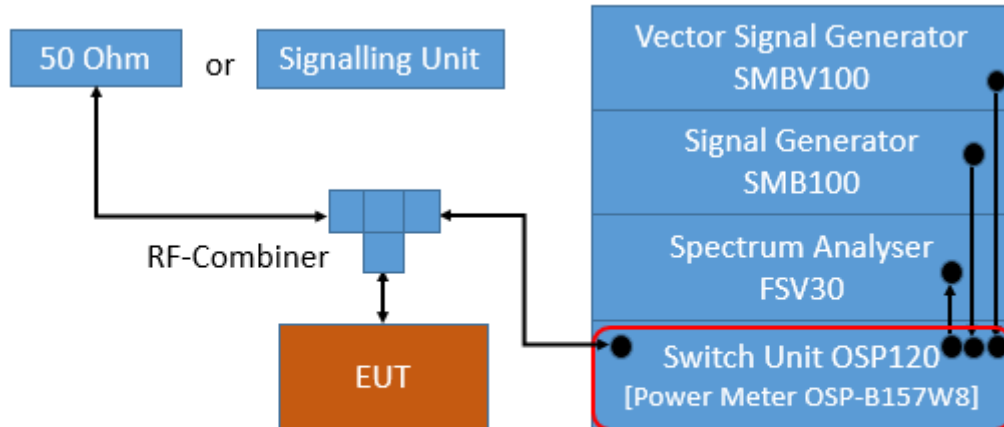
The Equipment Under Test (EUT) was set up to perform the output power measurements. The results recorded were measured with the modulation which produces the worst-case (highest) output power

The EUT was connected to the test system as described in the block diagram below. The complete attenuation of the measurement path is known and considered.

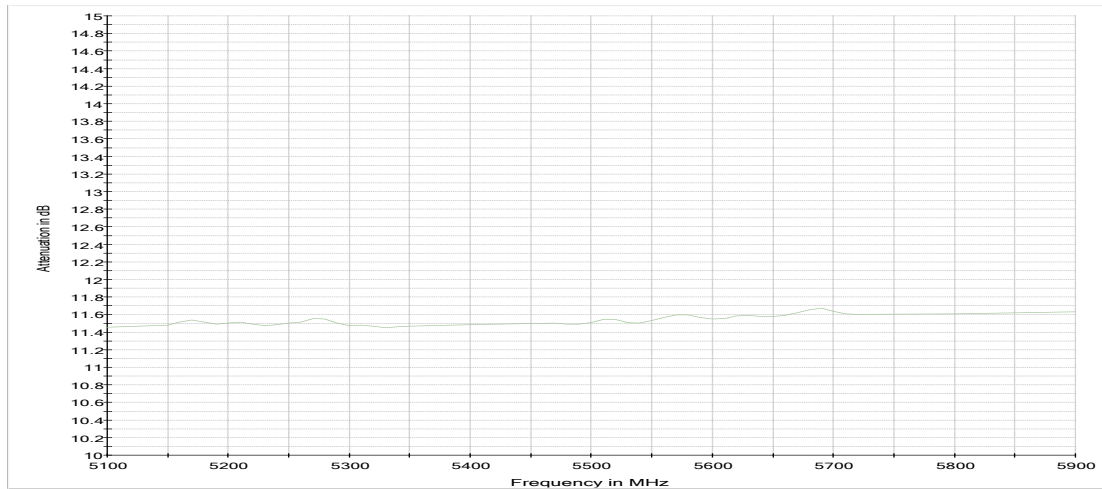
The OSP-B157W is a gated RF average power meter with a signal bandwidth > 300 MHz.

Note:

The measurement was performed according FCC Public Note "Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E, 789033 D02", method **PM-G**.



TS8997; Maximum Conducted Output Power



Attenuation of measurement path

5.4.2 TEST REQUIREMENTS / LIMITS

A) FCC

For systems using digital modulation techniques in the 5.15 – 5.25 GHz bands:

§15.407 (a) (1)

Limit: 50 mW (17 dBm) or $4 \text{ dBm} + 10 \log (26 \text{ dB bandwidth/MHz})$ whatever is the lesser.

FCC ET Docket No. 13-49, FIRST REPORT AND ORDER, April 1, 2014 ("new rules"):

§15.407 (a) (1) (i): Outdoor access point:

Limit: 1 W (30 dBm) provided the maximum antenna gain does not exceed 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).

§15.407 (a) (1) (ii): Indoor access point:

Limit: 1 W (30 dBm) provided the maximum antenna gain does not exceed 6 dBi.

§15.407 (a) (1) (iv): Mobile and portable client devices:

Limit: 250 mW (24 dBm) provided the maximum antenna gain does not exceed 6 dBi.

For systems using digital modulation techniques in the 5.25 – 5.35 GHz and 5.47 – 5.725 GHz bands:

§15.407 (a) (2)

Limit: 250 mW (24 dBm) or $11 \text{ dBm} + 10 \log (26 \text{ dB bandwidth/MHz})$ whatever is the lesser.

For systems using digital modulation techniques in the 5.725 – 5.850 GHz bands:

§15.407 (a) (3)

Limit: 1 W (30 dBm) or $17 \text{ dBm} + 10 \log (26 \text{ dB bandwidth/MHz})$ whatever is the lesser.

FCC ET Docket No. 13-49, FIRST REPORT AND ORDER, April 1, 2014 ("new rules"):

§15.407 (a) (3):

Limit: 1 W (30 dBm).

§15.407 (a) (4):

The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

B) IC

Different frequency bands and limits apply, as compared to the FCC requirements.

RSS-247, 6.2.1 (1), Band 5150-5250 MHz, indoor operation only:

Limit (e.i.r.p.): 200 mW (23 dBm) or $10 + 10 \log_{10} B$ [dBm], whichever power is less.

B is the 99% emission bandwidth in MHz.

RSS-247, 6.2.2 (1), Band 5250-5350 MHz:

Limits:

Maximum conducted Power: 250 mW (24 dBm) or $11 + 10 \log_{10} B$ [dBm], whichever power is less.

e.i.r.p.: 1.0 W (30 dBm) or $17 + 10 \log_{10} B$ [dBm], whichever power is less.

Note: For EUTs operating at a higher e.i.r.p. than 200 mW (23 dBm), compliance with the e.i.r.p. elevation mask is required.

RSS-247, 6.2.3 (1), Bands 5470-5600 MHz and 5650-5725 MHz:

Limits:

Maximum conducted Power: 250 mW (24 dBm) or $11 + 10 \log_{10} B$ [dBm], whichever power is less.

e.i.r.p.: 1.0 W (30 dBm) or $17 + 10 \log_{10} B$ [dBm], whichever power is less.

RSS-247, 6.2.4 (1), Band 5725-5825 MHz:

Limits:

Maximum conducted Power: 1W (30 dBm) or $17 + 10 \log_{10} B$ [dBm], whichever power is less.

e.i.r.p.: 4.0 W (36 dBm) or $23 + 10 \log_{10} B$ [dBm], whichever power is less.

All frequency bands: B is the 99% emission bandwidth in MHz.

5.4.3 TEST PROTOCOL

Antenna gain ≤ 8 dBi

Ambient temperature: 23 - 25 °C

Air Pressure: 999 - 1005 hPa

Humidity: 35 - 55 %

WLAN a-Mode; 20 MHz; 6 Mbit/s, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	18.4	26.4	22.0	3.6	-	-	-	-	2)
	44	5220	18.7	26.7	22.0	3.3	-	-	-	-	2)
	48	5240	18.9	26.9	22.0	3.1	-	-	-	-	2)
3	149	5745	18.6	26.6	28.0	9.4	-	-	-	-	
	157	5785	19	27	28.0	9.0	-	-	-	-	
	165	5825	18.6	26.6	28.0	9.4	-	-	-	-	

WLAN a-Mode; 20 MHz; 6 Mbit/s, ISCED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	11.7	19.7	-	-	N/A		22.1	2.4	1)
	44	5220	12.0	20.0	-	-	N/A		22.1	2.1	1)
	48	5240	12.3	20.3	-	-	N/A		22.1	1.8	1)
3	149	5745	18.6	26.6	-	-	30.0	11.4	36.0	9.4	
	157	5785	19.0	27.0	-	-	30.0	11.0	36.0	9.0	
	165	5825	18.6	26.6	-	-	30.0	11.4	36.0	9.4	

WLAN n-Mode; 20 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	18.0	26.0	22.0	4.0	-	-	-	-	2)
	44	5220	18.4	26.4	22.0	3.6	-	-	-	-	2)
	48	5240	18.6	26.6	22.0	3.4	-	-	-	-	2)
3	149	5745	18.4	26.4	28.0	9.6	-	-	-	-	
	157	5785	18.8	26.8	28.0	9.2	-	-	-	-	
	165	5825	18.1	26.1	28.0	9.9	-	-	-	-	

WLAN n-Mode; 20 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	11.4	19.4	-	-	N/A		22.5	3.1	1)
	44	5220	11.5	19.5	-	-	N/A		22.5	3.0	1)
	48	5240	11.7	19.7	-	-	N/A		22.5	2.8	1)
3	149	5745	18.4	26.4	-	-	30.0	11.6	36.0	9.6	
	157	5785	18.8	26.8	-	-	30.0	11.2	36.0	9.2	
	165	5825	18.1	26.1	-	-	30.0	11.9	36.0	9.9	

WLAN n-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	19.0	27.0	22.0	3.0	-	-	-	-	2)
	46	5230	19.4	27.4	22.0	2.6	-	-	-	-	2)
3	151	5755	19.9	27.9	28.0	8.1	-	-	-	-	
	159	5795	20.1	28.1	28.0	7.9	-	-	-	-	

WLAN n-Mode; 40 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	12.2	20.2	-	-	N/A		23.0	2.8	1)
	46	5230	12.6	20.6	-	-	N/A		23.0	2.4	1)
3	151	5755	19.9	27.9	-	-	30.0	10.1	36.0	8.1	
	159	5795	20.1	28.1	-	-	30.0	9.9	36.0	7.9	

WLAN ac-Mode; 20 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	17.4	25.4	22.0	4.6	-	-	-	-	2)
	44	5220	18.0	26.0	22.0	4.0	-	-	-	-	2)
	48	5240	19.4	27.4	22.0	2.6	-	-	-	-	2)
3	149	5745	18.0	26.0	28.0	10.0	-	-	-	-	
	157	5785	18.4	26.4	28.0	9.6	-	-	-	-	
	165	5825	18.2	26.2	28.0	9.8	-	-	-	-	

WLAN ac-Mode; 20 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	11.5	19.5	-	-	N/A		22.5	3.0	1)
	44	5220	11.7	19.7	-	-	N/A		22.5	2.8	1)
	48	5240	12.1	20.1	-	-	N/A		22.5	2.4	1)
3	149	5745	18.0	26.0	-	-	30.0	12.0	36.0	10.0	
	157	5785	18.4	26.4	-	-	30.0	11.6	36.0	9.6	
	165	5825	18.2	26.2	-	-	30.0	11.8	36.0	9.8	

WLAN ac-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	19.1	27.1	22.0	2.9	-	-	-	-	2)
	46	5230	19.5	27.5	22.0	2.5	-	-	-	-	2)
3	151	5755	20.0	28.0	28.0	8.0	-	-	-	-	
	159	5795	20.1	28.1	28.0	7.9	-	-	-	-	

WLAN ac-Mode; 40 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	12.1	20.1	-	-	N/A		23.0	2.9	1)
	46	5230	12.5	20.5	-	-	N/A		23.0	2.5	1)
3	151	5755	20.0	28.0	-	-	30.0	10.0	36.0	8.0	
	159	5795	20.1	28.1	-	-	30.0	9.9	36.0	7.9	

WLAN ac-Mode; 80 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	18.8	26.8	22.0	3.2	-	-	-	-	2)
3	155	5775	19.5	27.5	28.0	8.5	-	-	-	-	

WLAN ac-Mode; 80 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	11.9	19.9	-	-	N/A		23.0	3.1	1)
3	155	5775	19.5	27.5	-	-	30.0	10.5	36.0	8.5	

WLAN ax-Mode; 20 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	18.0	26.0	22.0	4.0	-	-	-	-	2)
	44	5220	18.2	26.2	22.0	3.8	-	-	-	-	2)
	48	5240	18.5	26.5	22.0	3.5	-	-	-	-	2)
3	149	5745	18.2	26.2	28.0	9.8	-	-	-	-	
	157	5785	18.8	26.8	28.0	9.2	-	-	-	-	
	165	5825	18.1	26.1	28.0	9.9	-	-	-	-	

WLAN ax-Mode; 20 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	11.3	19.3	-	-	N/A		22.8	3.5	1)
	44	5220	11.5	19.5	-	-	N/A		22.8	3.3	1)
	48	5240	11.7	19.7	-	-	N/A		22.8	3.0	1)
3	149	5745	18.2	26.2	-	-	30.0	11.8	36.0	9.8	
	157	5785	18.8	26.8	-	-	30.0	11.2	36.0	9.2	
	165	5825	18.1	26.1	-	-	30.0	11.9	36.0	9.9	

WLAN ax-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	18.4	26.4	22.0	3.6	-	-	-	-	2)
	46	5230	18.8	26.8	22.0	3.2	-	-	-	-	2)
3	151	5755	19.4	27.4	28.0	8.6	-	-	-	-	
	159	5795	19.6	27.6	28.0	8.4	-	-	-	-	

WLAN ax-Mode; 40 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	11.7	19.7	-	-	N/A		23.0	3.3	1)
	46	5230	12.1	20.1	-	-	N/A		23.0	2.9	1)
3	151	5755	19.4	27.4	-	-	30.0	10.6	36.0	8.6	
	159	5795	19.6	27.6	-	-	30.0	10.4	36.0	8.4	

WLAN ax-Mode; 80 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	18.6	26.6	22.0	3.4	-	-	-	-	2)
3	155	5775	19.4	27.4	28.0	8.6	-	-	-	-	

WLAN ax-Mode; 80 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	11.7	19.7	-	-	N/A		23.0	3.3	1)
3	155	5775	19.4	27.4	-	-	30.0	10.6	36.0	8.6	

WLAN a-Mode; 20 MHz, 6 Mbit/s; DIVERSITY, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	19.7	27.7	22.0	2.3	16.7	16.6	2)
	44	5220	19.6	27.6	22.0	2.4	16.9	16.2	2)
	48	5240	20.2	28.2	22.0	1.8	17.2	17.1	2)
3	149	5745	21.9	29.9	28.0	6.1	19.0	18.8	
	157	5785	22.6	30.6	28.0	5.4	19.3	19.8	
	165	5825	21.9	29.9	28.0	6.1	18.7	19.2	

WLAN a-Mode; 20 MHz; 6 Mbit/s; DIVERSITY, ISED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	11.8	19.8	-	-	8.6	9.0	1)
	44	5220	11.7	19.7	-	-	8.7	8.6	1)
	48	5240	12.2	20.2	-	-	9.0	9.4	1)
3	149	5745	21.9	29.9	-	-	19.0	18.8	
	157	5785	22.6	30.6	-	-	19.3	19.8	
	165	5825	21.9	29.9	-	-	18.7	19.2	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	N/A		22.1	2.3	1)
	44	5220	N/A		22.1	2.4	1)
	48	5240	N/A		22.1	1.9	1)
3	149	5745	30.0	8.1	36.0	6.1	
	157	5785	30.0	7.4	36.0	5.4	
	165	5825	30.0	8.1	36.0	6.1	

WLAN n-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	19.3	27.3	22.0	2.7	16.3	16.2	2)
	44	5220	19.1	27.1	22.0	2.9	16.6	15.6	2)
	48	5240	19.7	27.7	22.0	2.3	16.8	16.7	2)
3	149	5745	21.4	29.4	28.0	6.6	18.2	18.5	
	157	5785	22.0	30.0	28.0	6.0	18.6	19.4	
	165	5825	21.6	29.6	28.0	6.4	18.2	18.9	

WLAN n-Mode; 20 MHz; MCS0; MIMO, ISED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	11.1	19.1	-	-	7.4	8.6	1)
	44	5220	11.2	19.2	-	-	8.2	8.2	1)
	48	5240	11.9	19.9	-	-	8.6	9.2	1)
3	149	5745	21.4	29.4	-	-	18.2	18.5	
	157	5785	22.0	30.0	-	-	18.6	19.4	
	165	5825	21.6	29.6	-	-	18.2	18.9	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	N/A		22.5	3.4	1)
	44	5220	N/A		22.5	3.3	1)
	48	5240	N/A		22.5	2.6	1)
3	149	5745	30.0	8.6	36.0	6.6	
	157	5785	30.0	8.0	36.0	6.0	
	165	5825	30.0	8.4	36.0	6.4	

WLAN n-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	20.0	28.0	22.0	2.0	16.8	17.2	2)
	46	5230	22.9	30.9	22.0	-0.9	20.2	19.6	2)
3	151	5755	22.8	30.8	28.0	5.2	20.3	19.4	
	159	5795	23.1	31.1	28.0	4.9	20.4	19.8	

WLAN n-Mode; 40 MHz; MCS0; MIMO, ISFD

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	12.3	20.3	-	-	9.1	9.5	1)
	46	5230	12.5	20.5	-	-	9.5	9.4	1)
3	151	5755	22.8	30.8	-	-	20.3	19.4	
	159	5795	23.1	31.1	-	-	20.4	19.8	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	N/A		23.0	2.7	1)
	46	5230	N/A		23.0	2.5	1)
3	151	5755	30.0	7.2	36.0	5.2	
	159	5795	30.0	6.9	36.0	4.9	

WLAN ac-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	19.2	27.2	22.0	2.8	16.2	16.2	2)
	44	5220	19.2	27.2	22.0	2.8	16.6	15.8	2)
	48	5240	19.7	27.7	22.0	2.3	16.8	16.7	2)
3	149	5745	22.0	30.0	28.0	6.0	18.8	19.2	
	157	5785	22.0	30.0	28.0	6.0	18.8	19.2	
	165	5825	21.5	29.5	28.0	6.5	18.2	18.7	

WLAN ac-Mode; 20 MHz; MCS0; MIMO, ISFD

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	11.5	19.5	-	-	8.3	8.7	1)
	44	5220	11.3	19.3	-	-	8.3	8.2	1)
	48	5240	11.7	19.7	-	-	8.3	9.1	1)
3	149	5745	22.0	30.0	-	-	18.8	19.2	
	157	5785	22.0	30.0	-	-	18.8	19.2	
	165	5825	21.5	29.5	-	-	18.2	18.7	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	N/A		22.5	3.0	1)
	44	5220	N/A		22.5	3.2	1)
	48	5240	N/A		22.5	2.8	1)
3	149	5745	30.0	8.0	36.0	6.0	
	157	5785	30.0	8.0	36.0	6.0	
	165	5825	30.0	8.5	36.0	6.5	

WLAN ac-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	20.0	28.0	22.0	2.0	16.8	17.2	2)
	46	5230	20.1	28.1	22.0	1.9	16.9	17.3	2)
3	151	5755	22.9	30.9	28.0	5.1	20.3	19.4	
	159	5795	24.8	32.8	28.0	3.2	22.9	20.3	

WLAN ac-Mode; 40 MHz; MCS0; MIMO, ISFD

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	12.3	20.3	-	-	9.1	9.4	1)
	46	5230	12.4	20.4	-	-	9.5	9.2	1)
3	151	5755	22.9	30.9	-	-	20.3	19.4	
	159	5795	24.8	32.8	-	-	22.9	20.3	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	N/A		23.0	2.7	1)
	46	5230	N/A		23.0	2.6	1)
3	151	5755	30.0	7.1	36.0	5.1	
	159	5795	30.0	5.2	36.0	3.2	

WLAN ac-Mode; 80 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	42	5210	19.8	27.8	22.0	2.2	16.7	16.8	2)
3	155	5775	22.6	30.6	28.0	5.4	19.5	19.8	

WLAN ac-Mode; 80 MHz; MCS0; MIMO, ISFD

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	42	5210	11.9	19.9	-	-	8.9	9.0	1)
3	155	5775	22.6	30.6	-	-	19.5	19.8	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	N/A		23.0	3.1	
3	155	5775	30.0	7.4	36.0	5.4	

WLAN ax-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	19.1	27.1	22.0	2.9	16.2	16.1	2)
	44	5220	19.0	27.0	22.0	3.0	16.4	15.6	2)
	48	5240	19.6	27.6	22.0	2.4	16.6	16.5	2)
3	149	5745	21.8	29.8	28.0	6.2	18.6	19.0	
	157	5785	22.5	30.5	28.0	5.5	18.8	20.0	
	165	5825	22.1	30.1	28.0	5.9	18.5	19.6	

WLAN ax-Mode; 20 MHz; MCS0; MIMO, ISED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	11.8	19.8	-	-	8.9	8.6	1)
	44	5220	11.3	19.3	-	-	8.4	8.1	1)
	48	5240	11.8	19.8	-	-	8.6	9.0	1)
3	149	5745	21.8	29.8	-	-	18.6	19.0	
	157	5785	22.5	30.5	-	-	18.8	20.0	
	165	5825	22.1	30.1	-	-	18.5	19.6	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	N/A		22.8	3.0	1)
	44	5220	N/A		22.8	3.5	1)
	48	5240	N/A		22.8	3.0	1)
3	149	5745	30.0	8.2	36.0	6.2	
	157	5785	30.0	7.5	36.0	5.5	
	165	5825	30.0	7.9	36.0	5.9	

WLAN ax-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	20.8	28.8	22.0	1.2	17.7	17.8	2)
	46	5230	20.8	28.8	22.0	1.2	18.0	17.6	2)
3	151	5755	22.5	30.5	28.0	5.5	19.7	19.3	
	159	5795	22.8	30.8	28.0	5.2	19.8	19.8	

WLAN ax-Mode; 40 MHz; MCS0; MIMO, ISED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	11.8	19.8	-	-	8.7	9.0	1)
	46	5230	12.0	20.0	-	-	9.1	8.9	1)
3	151	5755	22.5	30.5	-	-	19.7	19.3	
	159	5795	22.8	30.8	-	-	19.8	19.8	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	N/A		23.0	3.2	1)
	46	5230	N/A		23.0	3.0	1)
3	151	5755	30.0	7.5	36.0	5.5	
	159	5795	30.0	7.2	36.0	5.2	

WLAN ax-Mode; 80 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	42	5210	19.6	27.6	22.0	2.4	16.6	16.5	2)
3	155	5775	22.5	30.5	28.0	5.5	19.4	19.5	

WLAN ax-Mode; 80 MHz; MCS0; MIMO, ISED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	42	5210	11.8	19.8	-	-	8.8	8.9	1)
3	155	5775	22.5	30.5	-	-	19.4	19.5	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	N/A		23.0	3.2	1)
3	155	5775	30.0	7.5	36.0	5.5	

Antenna gain ≤ 9 dBi

Ambient temperature: 23 - 25 °C
 Air Pressure: 999 - 1005 hPa
 Humidity: 35 - 55 %

WLAN n-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	16.2	25.2	21.0	4.8	-	-	-	-	2)

WLAN n-Mode; 40 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	12.2	21.2	-	-	N/A	-	23.0	1.8	1)
1	46	5230	12.5	21.5	-	-	N/A	-	23.0	1.5	1)

WLAN ac-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	16.2	25.2	21.0	4.8	-	-	-	-	2)

WLAN ac-Mode; 40 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	12.1	21.1	-	-	N/A	-	23.0	1.9	1)
1	46	5230	12.5	21.5	-	-	N/A	-	23.0	1.5	1)

WLAN ax-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	15.8	24.8	21.0	5.2	-	-	-	-	2)

WLAN ax-Mode; 40 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	11.7	20.7	-	-	N/A	-	23.0	2.3	1)
1	46	5230	12.1	21.1	-	-	N/A	-	23.0	1.9	1)

WLAN ac-Mode; 80 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	15.8	24.8	21.0	5.2	-	-	-	-	2)
3	155	5775	17.8	26.8	27.0	9.2	-	-	-	-	

WLAN ac-Mode; 80 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	11.9	20.9	-	-	N/A	-	23.0	2.1	1)
3	155	5775	17.8	26.8	-	-	30.0	12.2	36.0	9.2	

WLAN ax-Mode; 80 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	15.8	24.8	21.0	5.2	-	-	-	-	2)
3	155	5775	17.7	26.7	27.0	9.3	-	-	-	-	

WLAN ax-Mode; 80 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	11.7	20.7	-	-	N/A	-	23.0	2.3	1)
3	155	5775	17.7	26.7	-	-	30.0	12.3	36.0	9.3	

WLAN a-Mode; 20 MHz, 6 Mbit/s; DIVERSITY, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	18.7	27.7	21.0	2.3	15.6	15.8	2)
	44	5220	18.5	27.5	21.0	2.5	15.7	15.3	2)
	48	5240	19.2	28.2	21.0	1.8	16.0	16.3	2)

WLAN a-Mode; 20 MHz, 6 Mbit/s; DIVERSITY, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	10.8	19.8	-	-	7.6	8.0	1)
	44	5220	10.7	19.7	-	-	7.9	7.4	1)
	48	5240	11.2	20.2	-	-	7.8	8.5	1)

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	N/A		22.1	2.3	1)
	44	5220	N/A		22.1	2.4	1)
	48	5240	N/A		22.1	1.9	1)

WLAN n-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	18.4	27.4	21.0	2.6	15.4	15.4	2)
	44	5220	18.2	27.2	21.0	2.8	15.4	14.8	2)
	48	5240	18.8	27.8	21.0	2.2	15.7	15.9	2)

WLAN n-Mode; 20 MHz; MCS0; MIMO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	10.4	19.4	-	-	7.3	7.5	1)
	44	5220	10.4	19.4	-	-	7.6	7.1	1)
	48	5240	10.9	19.9	-	-	7.7	8.1	1)

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	N/A		22.5	3.1	1)
	44	5220	N/A		22.5	3.1	1)
	48	5240	N/A		22.5	2.6	1)

WLAN n-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	16.2	25.2	21.0	4.8	13.2	13.3	2)
	46	5230	20.2	29.2	21.0	0.8	17.4	17.0	2)

WLAN n-Mode; 40 MHz; MCS0; MIMO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	11.3	20.3	30.0	18.7	8.0	8.5	1)
	46	5230	11.3	20.3	30.0	18.7	8.3	8.3	1)

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	N/A		23.0	2.7	1)
	46	5230	N/A		23.0	2.7	1)

WLAN ac-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	18.4	27.4	21.0	2.6	15.4	15.3	2)
	44	5220	18.2	27.2	21.0	2.8	15.5	14.8	2)
	48	5240	18.8	27.8	21.0	2.2	15.8	15.9	2)

WLAN ac-Mode; 20 MHz; MCS0; MIMO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	10.5	19.5	-	-	7.3	7.7	1)
	44	5220	10.4	19.4	-	-	7.6	7.2	1)
	48	5240	10.9	19.9	-	-	7.7	8.1	1)

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	N/A		22.5	3.0	1)
	44	5220	N/A		22.5	3.1	1)
	48	5240	N/A		22.5	2.6	1)

WLAN ac-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	16.2	25.2	21.0	4.8	13.2	13.3	2)
	46	5230	20.2	29.2	21.0	0.8	17.4	17.0	2)

WLAN ac-Mode; 40 MHz; MCS0; MIMO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	11.4	20.4	-	-	8.2	8.6	1)
	46	5230	11.3	20.3	-	-	8.4	8.2	1)

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	N/A		23.0	2.6	1)
	46	5230	N/A		23.0	2.7	1)

WLAN ac-Mode; 80 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	42	5210	15.9	24.9	21.0	5.1	13.0	12.9	2)
3	155	5775	20.8	29.8	21.0	0.2	17.9	17.8	2)

WLAN ac-Mode; 80 MHz; MCS0; MIMO, ISFD

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	42	5210	10.9	19.9	-	-	7.9	7.9	1)
3	155	5775	20.8	29.8	-	-	17.9	17.8	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	N/A		23.0	3.1	1)
3	155	5775	30.0	9.2	36.0	6.2	

WLAN ax-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	18.2	27.2	21.0	2.8	15.2	15.2	2)
	44	5220	18.0	27.0	21.0	3.0	15.3	14.6	2)
	48	5240	18.7	27.7	21.0	2.3	15.6	15.7	2)

WLAN ax-Mode; 20 MHz; MCS0; MIMO, ISFD

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	10.4	19.4	-	-	7.2	7.6	1)
	44	5220	10.2	19.2	-	-	7.4	7.0	1)
	48	5240	10.8	19.8	-	-	7.5	8.0	1)

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	N/A		22.8	3.4	1)
	44	5220	N/A		22.8	3.6	1)
	48	5240	N/A		22.8	3.0	1)

WLAN ax-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	15.9	24.9	21.0	5.1	12.8	12.9	2)
	46	5230	19.8	28.8	21.0	1.2	17.0	16.6	2)

WLAN ax-Mode; 40 MHz; MCS0; MIMO, ISFD

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	11.0	20.0	-	-	7.9	8.1	1)
	46	5230	10.9	19.9	-	-	8.0	7.8	1)

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	N/A		23.0	3.0	1)
	46	5230	N/A		23.0	3.1	1)

WLAN ax-Mode; 80 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	42	5210	15.8	24.8	21.0	5.2	12.8	12.8	2)
3	155	5775	20.7	29.7	27.0	6.3	17.6	17.7	

WLAN ax-Mode; 80 MHz; MCS0; MIMO, ISFD

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	42	5210	10.8	19.8	-	-	7.7	7.8	1)
3	155	5775	20.7	29.7	-	-	17.6	17.7	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	N/A		23.0	3.2	1)
3	155	5775	30.0	9.3	36.0	6.3	

Antenna gain ≤ 14.2 dBi

Ambient temperature: 23 - 25 °C
Air Pressure: 999 - 1005 hPa
Humidity: 35 - 55 %

WLAN a-Mode; 20 MHz; 6 Mbit/s, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	13.8	28.0	15.8	2.0	-	-	-	-	2)
	44	5220	14.1	28.3	15.8	1.7	-	-	-	-	2)
	48	5240	14.3	28.5	15.8	1.5	-	-	-	-	2)

WLAN a-Mode; 20 MHz; MCS0; SISO, ISFD

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	3.8	18.0	-	-	N/A		22.1	4.2	1)
	44	5220	4.4	18.6	-	-	N/A		22.1	3.5	1)
	48	5240	4.8	19.0	-	-	N/A		22.1	3.1	1)

WLAN n-Mode; 20 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	13.5	27.7	15.8	2.3	-	-	-	-	2)
	44	5220	13.7	27.9	15.8	2.1	-	-	-	-	2)
	48	5240	14.0	28.2	15.8	1.8	-	-	-	-	2)

WLAN n-Mode; 20 MHz; MCS0; SISO, ISFD

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	4.2	-	-	25.8	N/A		22.5	4.1	1)
	44	5220	3.9	-	-	26.1	N/A		22.5	4.4	1)
	48	5240	4.3	-	-	25.7	N/A		22.5	4.0	1)

WLAN n-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	14.3	28.5	15.8	1.5	-	-	-	-	2)
	46	5230	14.6	28.8	15.8	1.2	-	-	-	-	2)

WLAN n-Mode; 40 MHz; MCS0; SISO, ISED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	4.9	19.1	-	-	N/A		23.0	3.9	1)
	46	5230	5.3	19.5	-	-	N/A		23.0	3.5	1)

WLAN ac-Mode; 20 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	13.6	27.8	15.8	2.2	-	-	-	-	2)
	44	5220	13.8	28.0	15.8	2.0	-	-	-	-	2)
	48	5240	14.0	28.2	15.8	1.8	-	-	-	-	2)

WLAN ac-Mode; 20 MHz; MCS0; SISO, ISED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	3.9	18.1	-	-	N/A		22.5	4.4	1)
	44	5220	4.2	18.4	-	-	N/A		22.5	4.0	1)
	48	5240	4.5	18.7	-	-	N/A		22.5	3.7	1)

WLAN ac-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	14.3	28.5	15.8	1.5	-	-	-	-	2)
	46	5230	14.7	28.9	15.8	1.1	-	-	-	-	2)

WLAN ac-Mode; 40 MHz; MCS0; SISO, ISED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	5.1	19.3	-	-	N/A		23.0	3.7	1)
	46	5230	5.4	19.6	-	-	N/A		23.0	3.4	1)

WLAN ac-Mode; 80 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	11.0	25.2	15.8	4.8	-	-	-	-	2)

WLAN ac-Mode; 80 MHz; MCS0; SISO, ISED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	4.5	18.7	-	-	N/A		23.0	4.3	1)

WLAN ax-Mode; 20 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	13.4	27.6	15.8	2.4	-	-	-	-	2)
	44	5220	13.6	27.8	15.8	2.2	-	-	-	-	2)
	48	5240	13.9	28.1	15.8	1.9	-	-	-	-	2)

WLAN ax-Mode; 20 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	4.2	18.4	-	-	N/A	-	22.8	4.4	1)
	44	5220	4.4	18.6	-	-	N/A	-	22.8	4.1	1)
	48	5240	4.5	18.7	-	-	N/A	-	22.8	4.1	1)

WLAN ax-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	13.9	28.1	15.8	1.9	-	-	-	-	2)
	46	5230	14.1	28.3	15.8	1.7	-	-	-	-	2)

WLAN ax-Mode; 40 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	4.1	18.3	-	-	N/A	-	23.0	4.7	1)
	46	5230	4.5	18.7	-	-	N/A	-	23.0	4.3	1)

WLAN ax-Mode; 80 MHz; MCS0; SISO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	10.9	25.1	15.8	4.9	-	-	-	-	2)

WLAN ax-Mode; 80 MHz; MCS0; SISO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	4.0	18.2	-	-	N/A	-	23.0	4.8	1)

WLAN a-Mode; 20 MHz, 6 Mbit/s; DIVERSITY, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	13.8	28.0	15.8	2.0	10.5	11.0	2)
	44	5220	13.5	27.7	15.8	2.3	10.5	10.5	2)
	48	5240	14.2	28.4	15.8	1.6	11.0	11.5	2)
3	149	5745	20.1	34.3	21.8	1.7	16.9	17.2	
	157	5785	20.8	35.0	21.8	1.0	17.2	18.3	
	165	5825	20.2	34.4	21.8	1.6	16.6	17.7	

WLAN a-Mode; 20 MHz, 6 Mbit/s; DIVERSITY, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	4.2	18.4	-	-	0.4	1.8	1)
	44	5220	4.2	18.4	-	-	1.0	1.4	1)
	48	5240	5.0	19.2	-	-	1.5	2.4	1)
3	149	5745	20.1	34.3	-	-	16.9	17.2	
	157	5785	20.8	35.0	-	-	17.2	18.3	
	165	5825	20.2	34.4	-	-	16.6	17.7	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	N/A		22.1	3.7	1)
	44	5220	N/A		22.1	3.7	1)
	48	5240	N/A		22.1	2.9	1)
3	149	5745	30.0	9.9	36.0	1.7	
	157	5785	30.0	9.2	36.0	1.0	
	165	5825	30.0	9.8	36.0	1.6	

WLAN n-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	13.3	27.5	15.8	2.5	9.9	10.7	2)
	44	5220	13.3	27.5	15.8	2.5	10.5	10.2	2)
	48	5240	13.9	28.1	15.8	1.9	10.7	11.1	2)
3	149	5745	19.6	33.8	21.8	2.2	16.3	16.8	
	157	5785	20.3	34.5	21.8	1.5	16.7	17.9	
	165	5825	19.8	34.0	21.8	2.0	16.3	17.3	

WLAN n-Mode; 20 MHz; MCS0; MIMO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	4.2	18.4	-	-	0.8	1.5	1)
	44	5220	4.1	18.3	-	-	1.1	1.1	1)
	48	5240	4.7	18.9	-	-	1.5	2.0	1)
3	149	5745	19.6	33.8	-	-	16.3	16.8	
	157	5785	20.3	34.5	-	-	16.7	17.9	
	165	5825	19.8	34.0	-	-	16.3	17.3	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	N/A		22.5	4.1	1)
	44	5220	N/A		22.5	4.2	1)
	48	5240	N/A		22.5	3.6	1)
3	149	5745	30.0	10.4	36.0	2.2	
	157	5785	30.0	9.7	36.0	1.5	
	165	5825	30.0	10.2	36.0	2.0	

WLAN n-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	14.4	28.6	15.8	1.4	11.2	11.5	2)
	46	5230	14.5	28.7	15.8	1.3	11.6	11.4	2)
3	151	5755	20.9	35.1	21.8	0.9	18.0	17.8	
	159	5795	21.3	35.5	21.8	0.5	18.1	18.4	

WLAN n-Mode; 40 MHz; MCS0; MIMO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	4.8	19.0	-	-	1.3	2.2	1)
	46	5230	5.1	19.3	-	-	1.9	2.2	1)
3	151	5755	20.9	-	-	-	18.0	17.8	
	159	5795	21.3	-	-	-	18.1	18.4	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	N/A		23.0	4.0	1)
	46	5230	N/A		23.0	3.7	1)
3	151	5755	30.0	27.0	36.0	0.9	
	159	5795	30.0	9.1	36.0	0.5	

WLAN ac-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	13.5	27.7	15.8	2.3	10.2	10.8	2)
	44	5220	13.3	27.5	15.8	2.5	10.2	10.3	2)
	48	5240	13.9	28.1	15.8	1.9	10.5	11.2	2)
3	149	5745	19.7	33.9	21.8	2.1	16.4	16.8	
	157	5785	20.3	34.5	21.8	1.5	17.0	17.6	
	165	5825	19.8	34.0	21.8	2.0	16.3	17.2	

WLAN ac-Mode; 20 MHz; MCS0; MIMO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	4.4	18.6	-	-	1.2	1.5	1)
	44	5220	4.2	18.4	-	-	1.2	1.1	1)
	48	5240	4.7	18.9	-	-	1.3	2.0	1)
3	149	5745	19.7	33.9	-	-	16.4	16.8	
	157	5785	20.3	34.5	-	-	17.0	17.6	
	165	5825	19.8	34.0	-	-	16.3	17.2	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	N/A		22.5	3.9	1)
	44	5220	N/A		22.5	4.1	1)
	48	5240	N/A		22.5	3.6	1)
3	149	5745	30.0	10.3	36.0	2.1	
	157	5785	30.0	9.7	36.0	1.5	
	165	5825	30.0	10.2	36.0	2.0	

WLAN ac-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	14.4	28.6	15.8	1.4	11.2	11.5	2)
	46	5230	14.5	28.7	15.8	1.3	11.6	11.3	2)
3	151	5755	21.0	35.2	21.8	0.8	18.1	17.9	
	159	5795	21.3	35.5	21.8	0.5	18.1	18.4	

WLAN ac-Mode; 40 MHz; MCS0; MIMO, ISFD

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	5.2	19.4	-	-	2.1	2.3	1)
	46	5230	5.4	19.6	-	-	2.6	2.2	1)
3	151	5755	21.0	35.2	-	-	18.1	17.9	
	159	5795	21.3	35.5	-	-	18.1	18.4	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	N/A		23.0	3.6	1)
	46	5230	N/A		23.0	3.4	1)
3	151	5755	30.0	27.0	36.0	0.8	
	159	5795	30.0	9.0	36.0	0.5	

WLAN ac-Mode; 80 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	42	5210	14.0	28.2	15.8	1.8	11.0	11.1	2)
3	155	5775	20.9	35.1	21.8	0.9	17.9	17.9	

WLAN ac-Mode; 80 MHz; MCS0; MIMO, ISFD

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	42	5210	4.9	19.1	-	-	1.9	1.9	1)
3	155	5775	20.9	35.1	-	-	17.9	17.9	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	N/A		23.0	3.9	1)
3	155	5775	30.0	9.1	36.0	0.9	

WLAN ax-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	13.4	27.6	15.8	2.4	10.2	10.6	2)
	44	5220	13.3	27.5	15.8	2.5	10.5	10.0	2)
	48	5240	13.9	28.1	15.8	11.9	10.7	11.0	2)
3	149	5745	19.6	33.8	21.8	2.2	16.5	16.6	
	157	5785	20.2	34.4	21.8	1.6	16.8	17.5	
	165	5825	19.6	33.8	21.8	2.2	16.2	17.0	

WLAN ax-Mode; 20 MHz; MCS0; MIMO, ISFD

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	36	5180	4.4	18.6	-	-	1.1	1.6	1)
	44	5220	4.2	18.4	-	-	1.3	1.2	1)
	48	5240	4.6	18.8	-	-	1.2	2.0	1)
3	149	5745	19.6	33.8	-	-	16.5	16.6	
	157	5785	20.2	34.4	-	-	16.8	17.5	
	165	5825	19.6	33.8	-	-	16.2	17.0	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	36	5180	N/A		22.8	4.2	1)
	44	5220	N/A		22.8	4.4	1)
	48	5240	N/A		22.8	4.0	1)
3	149	5745	30.0	10.4	36.0	2.2	
	157	5785	30.0	9.8	36.0	1.6	
	165	5825	30.0	10.4	36.0	2.2	

WLAN ax-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	13.9	28.1	15.8	1.9	10.7	11.0	2)
	46	5230	14.1	28.3	15.8	1.7	11.2	10.9	2)
3	151	5755	20.5	34.7	21.8	1.3	17.5	17.4	
	159	5795	20.8	36.2	21.8	1.0	17.7	17.9	

WLAN ax-Mode; 40 MHz; MCS0; MIMO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	38	5190	4.8	19.0	-	-	1.7	2.0	1)
	46	5230	5.0	19.2	-	-	2.2	1.9	1)
3	151	5755	20.5	34.7	-	-	17.5	17.4	
	159	5795	20.8	36.2	-	-	17.7	17.9	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	38	5190	N/A		23.0	4.0	1)
	46	5230	N/A		23.0	3.8	1)
3	151	5755	30.0	27.0	36.0	1.3	
	159	5795	30.0	9.5	36.0	1.0	

WLAN ax-Mode; 80 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	42	5210	13.9	28.1	15.8	1.9	10.8	10.9	2)
3	155	5775	20.7	34.9	21.8	1.1	17.7	17.7	

WLAN ax-Mode; 80 MHz; MCS0; MIMO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC Cond. Limit [dBm]	Margin [dB]	ANT1 [dBm]	ANT2 [dBm]	
1	42	5210	4.7	18.9	-	-	1.7	1.8	1)
3	155	5775	20.7	34.9	-	-	17.7	17.7	

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC Cond. Limit [dBm]	Margin [dB]	IC EIRP Limit [dBm]	Margin [dB]	
1	42	5210	N/A		23.0	4.1	1)
3	155	5775	30.0	9.3	36.0	1.1	

Remark:

- Because all measurements have been performed with a gated power meter (signal bandwidth > 300 MHz) are no plots available
- 1) No additional limit regarding the elevation applies
- 2) Additional limit regarding the elevation applies

5.4.4 TEST EQUIPMENT USED

- R&S TS8997

5.5 PEAK POWER SPECTRAL DENSITY

Standard **FCC Part 15 Subpart E**

The test was performed according to:
ANSI C63.10

5.5.1 TEST DESCRIPTION

The Equipment Under Test (EUT) was set up in a shielded room to perform the Maximum Power Spectral Density measurements.
The results recorded were measured with the modulation which produces the worst-case (highest) output power.

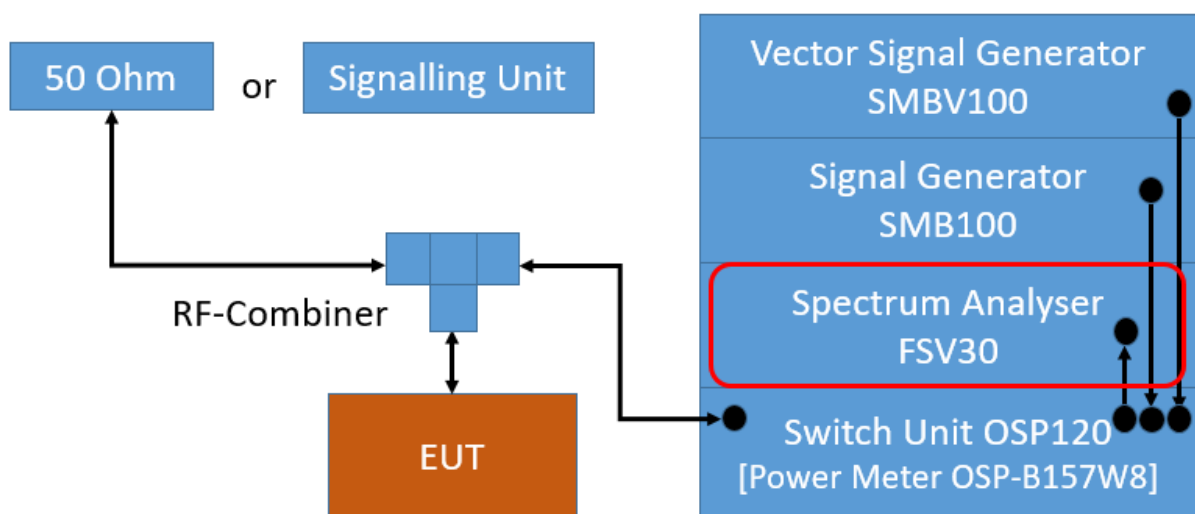
The EUT was connected to the test system as described in the block diagram below. The complete attenuation of the measurement path is known and considered.

Analyzer settings:

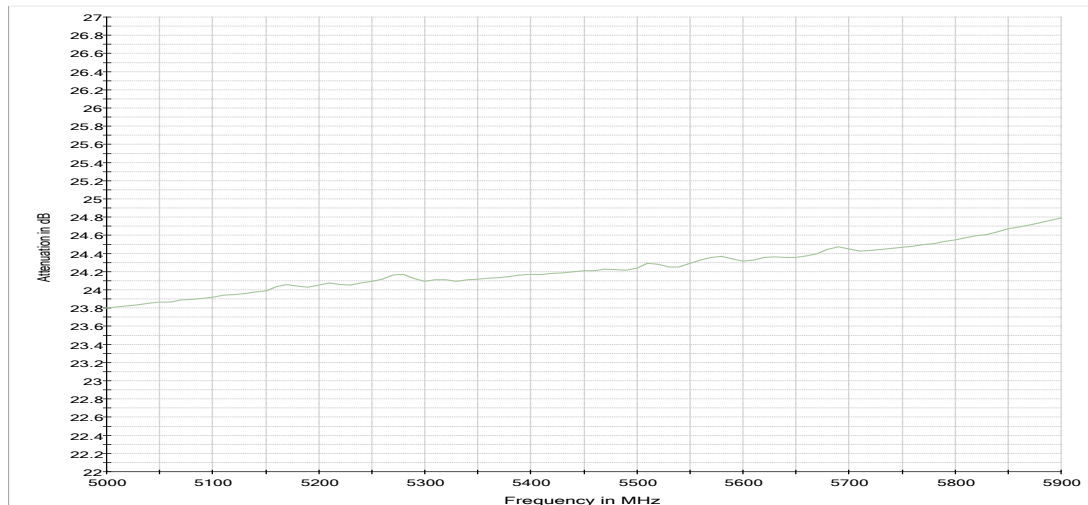
- Resolution Bandwidth (RBW): 1 MHz (for subband 3: 500 kHz)
- Video Bandwidth (VBW): 3 MHz (for subband 3: 2 MHz)
- Trace: Average, RMS power averaging mode
- Sweeps: 100
- Sweep time: 5 ms
- Detector: RMS
- Trigger: gated mode

Note:

The analyser settings are according FCC Public Note "Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E, 789033 D02", method **SA-3**.



TS8997; Maximum Power Spectral Density



Attenuation of the measurement path

5.5.2 TEST REQUIREMENTS / LIMITS

A) FCC

FCC Part 15, Subpart E, §15.407 (a) (1)

For systems using digital modulation techniques in the 5.15 – 5.25 GHz bands:

(i) and (ii), outdoor and indoor access points: Limit: 17 dBm/MHz.

(iv), mobile and portable client devices: Limit: 11 dBm/MHz.

FCC Part 15, Subpart E, §15.407 (a) (2)

For systems using digital modulation techniques in the 5.25 – 5.35 GHz and 5.47 – 5.725 GHz bands:

Limit: 11 dBm/MHz.

FCC Part 15, Subpart E, §15.407 (a) (3)

For systems using digital modulation techniques in the 5.725 – 5.850 GHz bands:

Limit: 30 dBm/500 kHz.

Note: The limit will be also fulfilled when measuring at any bandwidth greater than 500 kHz.

This applies to signals where the maximum conducted output power was measured at a bandwidth exceeding 500 kHz and which fulfil that limit of 30 dBm.

B) IC

Different frequency bands and limits apply, as compared to the FCC requirements.

RSS-247, 6.2.1 (1), Band 5150-5250 MHz, indoor operation only:

Limit (e.i.r.p.): 10 dBm/MHz.

RSS-247, 6.2.2 (1), Band 5250-5350 MHz:

Limit: 11 dBm/MHz.

RSS-247, 6.2.3 (1), Bands 5470-5600 MHz and 5650-5725 MHz:

Limit: 11 dBm/MHz.

RSS-247, 6.2.4 (1), Band 5725-5850 MHz:

Limit: 30 dBm/500 kHz.

5.5.3 TEST PROTOCOL

Antenna gain ≤ 8 dBi

Ambient temperature: 23 - 25 °C
 Air Pressure: 999 - 1005 hPa
 Humidity: 35 - 55 %
 WLAN a-Mode; 20 MHz; 6 Mbit/s, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	36	5180	7.0	9.0	2.0	-	-	-
	44	5220	7.2	9.0	1.8	-	-	-
	48	5240	7.5	9.0	1.5	-	-	-
3	149	5745	4.1	28.0	23.9	-	-	-
	157	5785	4.5	28.0	23.5	-	-	-
	165	5825	4.2	28.0	23.8	-	-	-

WLAN a-Mode; 20 MHz; 6 Mbit/s, ISD

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	36	5180	-0.1	-	-	10.0	2.1	7.9
	44	5220	0.1	-	-	10.0	1.9	8.1
	48	5240	0.5	-	-	10.0	1.5	8.5
3	149	5745	4.1	-	-	30.0	25.9	
	157	5785	4.5	-	-	30.0	25.5	
	165	5825	4.2	-	-	30.0	25.8	

WLAN n-Mode; 20 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	36	5180	6.6	9.0	2.4	-	-	-
	44	5220	6.8	9.0	2.2	-	-	-
	48	5240	7.1	9.0	1.9	-	-	-
3	149	5745	3.8	28.0	24.2	-	-	-
	157	5785	4.1	28.0	23.9	-	-	-
	165	5825	3.6	28.0	24.4	-	-	-

WLAN n-Mode; 20 MHz; MCS0; SISO, ISD

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	36	5180	-0.2	-	-	10.0	2.1	7.9
	44	5220	-0.3	-	-	10.0	1.9	8.1
	48	5240	0.1	-	-	10.0	1.5	8.5
3	149	5745	3.8	-	-	30.0	26.2	
	157	5785	4.1	-	-	30.0	25.9	
	165	5825	3.6	-	-	30.0	26.4	

WLAN n-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	38	5190	5.9	9.0	3.1	-	-	-
	46	5230	5.8	9.0	3.2	-	-	-
3	151	5755	5.7	28.0	22.3	-	-	-
	159	5795	5.8	28.0	22.2	-	-	-

WLAN n-Mode; 40 MHz; MCS0; SISO, ISD

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	38	5190	-1.2	-	-	10.0	3.2	6.8
	46	5230	-0.3	-	-	10.0	2.3	7.7
3	151	5755	5.7	-	-	30.0	24.3	
	159	5795	5.8	-	-	30.0	24.2	

WLAN ac-Mode; 20 MHz, MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	36	5180	6.1	9.0	2.9	-	-	-
	44	5220	6.1	9.0	2.9	-	-	-
	48	5240	6.7	9.0	2.3	-	-	-
3	149	5745	3.1	28.0	24.9	-	-	-
	157	5785	3.7	28.0	24.3	-	-	-
	165	5825	3.4	28.0	24.6	-	-	-

WLAN ac-Mode; 20 MHz, MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	36	5180	-0.3	-	-	10.0	2.3	7.7
	44	5220	-0.3	-	-	10.0	2.3	7.7
	48	5240	0.2	-	-	10.0	1.8	8.2
3	149	5745	3.1	-	-	30.0	26.9	
	157	5785	3.7	-	-	30.0	26.3	
	165	5825	3.4	-	-	30.0	26.6	

WLAN ac-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	38	5190	6.3	9.0	2.7	-	-	-
	46	5230	6.4	9.0	2.6	-	-	-
3	151	5755	5.8	28.0	22.2	-	-	-
	159	5795	6.2	28.0	21.8	-	-	-

WLAN ac-Mode; 40 MHz; MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	38	5190	-1.1	-	-	10.0	3.1	6.9
	46	5230	-0.7	-	-	10.0	2.7	7.3
3	151	5755	5.8	-	-	30.0	24.2	
	159	5795	6.2	-	-	30.0	23.8	

WLAN ac-Mode; 80 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	42	5210	2.9	9.0	6.1	-	-	-
3	155	5775	4.6	28.0	23.4	-	-	-

WLAN ac-Mode; 80 MHz; MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	42	5210	-3.9	-	-	10.0	5.9	4.1
3	155	5775	4.6	-	-	30.0	25.4	

WLAN ax-Mode; 20 MHz, MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	36	5180	6.1	9.0	2.9	-	-	-
	44	5220	6.2	9.0	2.8	-	-	-
	48	5240	6.7	9.0	2.3	-	-	-
3	149	5745	3.2	28.0	24.8	-	-	-
	157	5785	3.6	28.0	24.4	-	-	-
	165	5825	2.9	28.0	25.1	-	-	-

WLAN ax-Mode; 20 MHz, MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	36	5180	-0.8	-	-	10.0	2.8	7.2
	44	5220	-0.8	-	-	10.0	2.8	7.2
	48	5240	-0.4	-	-	10.0	2.4	7.6
3	149	5745	3.2	-	-	30.0	26.8	
	157	5785	3.6	-	-	30.0	26.4	
	165	5825	2.9	-	-	30.0	27.1	

WLAN ax-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	38	5190	4.6	9.0	4.4	-	-	-
	46	5230	5.8	9.0	3.2	-	-	-
3	151	5755	5.0	28.0	23.0	-	-	-
	159	5795	6.2	28.0	21.8	-	-	-

WLAN ax-Mode; 40 MHz; MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	38	5190	-1.7	-	-	10.0	3.7	6.3
	46	5230	-0.5	-	-	10.0	2.5	7.5
3	151	5755	5.0	-	-	30.0	25.0	
	159	5795	6.2	-	-	30.0	23.8	

WLAN ax-Mode; 80 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	42	5210	3.2	9.0	5.8	-	-	-
3	155	5775	5.3	28.0	22.7	-	-	-

WLAN ax-Mode; 80 MHz; MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	42	5210	-4.0	-	-	10.0	6.0	4.0
3	155	5775	5.3	-	-	30.0	24.7	

WLAN a-Mode; 20 MHz; 6 Mbit/s; DIVERSITY, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	8.0	9.0	1.0
	44	5220	8.1	9.0	0.9
	48	5240	8.8	9.0	0.2
3	149	5745	7.4	28.0	20.6
	157	5785	8.2	28.0	19.8
	165	5825	7.4	28.0	20.6

WLAN a-Mode; 20 MHz; 6 Mbit/s; DIVERSITY, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	0.2	-	-
	44	5220	0.0	-	-
	48	5240	0.7	-	-
3	149	5745	7.4	-	-
	157	5785	8.2	-	-
	165	5825	7.4	-	-

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC EIRP MPSD	IC Limit [dBm/MHz]	Margin [dB]
1	36	5180	8.2	10.0	1.8
	44	5220	8.0	10.0	2.0
	48	5240	8.7	10.0	1.3
3	149	5745		30.0	22.6
	157	5785		30.0	21.8
	165	5825		30.0	22.6

WLAN n-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	7.7	9.0	1.3
	44	5220	7.6	9.0	1.4
	48	5240	8.3	9.0	0.7
3	149	5745	7.0	28.0	21.0
	157	5785	7.4	28.0	20.6
	165	5825	6.8	28.0	21.2

WLAN n-Mode; 20 MHz; MCS0; MIMO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	-0.4	-	-
	44	5220	-0.4	-	-
	48	5240	0.4	-	-
3	149	5745	7.0	-	-
	157	5785	7.4	-	-
	165	5825	6.8	-	-

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC EIRP MPSD	IC Limit [dBm/MHz]	Margin [dB]
1	36	5180	7.6	10.0	2.4
	44	5220	7.6	10.0	2.4
	48	5240	8.4	10.0	1.6
3	149	5745		30.0	23.0
	157	5785		30.0	22.6
	165	5825		30.0	23.2

WLAN n-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	6.9	9.0	2.1
	46	5230	6.7	9.0	2.3
3	151	5755	7.6	28.0	20.4
	159	5795	8.1	28.0	19.9

WLAN n-Mode; 40 MHz; MCS0; MIMO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	-1.1	-	-
	46	5230	-0.8	-	-
3	151	5755	7.6	-	-
	159	5795	8.1	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPSD	IC Limit [dBm/MHz]	Margin [dB]
1	38	5190	6.9	10.0	3.1
	46	5230	7.2	10.0	2.8
3	151	5755		30.0	22.4
	159	5795		30.0	21.9

WLAN ac-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	7.7	9.0	1.3
	44	5220	7.5	9.0	1.5
	48	5240	8.1	9.0	0.9
3	149	5745	6.9	28.0	21.1
	157	5785	7.5	28.0	20.5
	165	5825	6.9	28.0	21.1

WLAN ac-Mode; 20 MHz; MCS0; MIMO, ISSED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/ MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	-0.1	-	-
	44	5220	-0.3	-	-
	48	5240	0.3	-	-
3	149	5745	6.9	-	-
	157	5785	7.5	-	-
	165	5825	6.9	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPSD	IC Limit [dBm/MHz]	Margin [dB]
1	36	5180	7.9	10.0	2.1
	44	5220	7.7	10.0	2.3
	48	5240	8.3	10.0	1.7
3	149	5745		30.0	23.1
	157	5785		30.0	22.5
	165	5825		30.0	23.1

WLAN ac-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	7.8	9.0	1.2
	46	5230	8.1	9.0	0.9
3	151	5755	7.7	28.0	20.3
	159	5795	7.9	28.0	20.1

WLAN ac-Mode; 40 MHz; MCS0; MIMO, ISED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	-1.2	-	-
	46	5230	-1.1	-	-
3	151	5755	7.7	-	-
	159	5795	7.9	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPSD	IC Limit [dBm/MHz]	Margin [dB]
1	38	5190	6.8	10.0	3.2
	46	5230	6.9	10.0	3.1
3	151	5755		30.0	22.3
	159	5795		30.0	22.1

WLAN ac-Mode; 80 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	42	5210	4.0	9.0	5.0
3	155	5775	6.0	28.0	22.0

WLAN ac-Mode; 80 MHz; MCS0; MIMO, ISED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	42	5210	-3.7	-	-
3	155	5775	6.0	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPSD	IC Limit [dBm/MHz]	Margin [dB]
1	42	5210	4.3	10.0	5.7
3	155	5775		30.0	24.0

WLAN ax-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	7.3	9.0	1.7
	44	5220	7.1	9.0	1.9
	48	5240	7.7	9.0	1.3
3	149	5745	7.3	28.0	20.7
	157	5785	7.7	28.0	20.3
	165	5825	7.2	28.0	20.8

WLAN ax-Mode; 20 MHz; MCS0; MIMO, ISED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	-0.5	-	-
	44	5220	-0.7	-	-
	48	5240	0.0	-	-
3	149	5745	7.3	-	-
	157	5785	7.7	-	-
	165	5825	7.2	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	36	5180	7.5	10.0	2.5
	44	5220	7.3	10.0	2.7
	48	5240	8.0	10.0	2.0
3	149	5745		30.0	22.7
	157	5785		30.0	22.3
	165	5825		30.0	22.8

WLAN ax-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	7.1	9.0	1.9
	46	5230	7.6	9.0	1.4
3	151	5755	7.5	28.0	20.5
	159	5795	8.0	28.0	20.0

WLAN ax-Mode; 40 MHz; MCS0; MIMO, ISED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	-1.0	-	-
	46	5230	-1.8	-	-
3	151	5755	7.5	30.0	22.5
	159	5795	8.0	30.0	22.0

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	38	5190	7.0	10.0	3.0
	46	5230	6.2	10.0	3.8
3	151	5755		30.0	22.5
	159	5795		30.0	22.0

WLAN ax-Mode; 80 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	42	5210	4.0	9.0	5.0
3	155	5775	6.0	28.0	22.0

WLAN ax-Mode; 80 MHz; MCS0; MIMO, ISED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	42	5210	-3.6	-	-
3	155	5775	6.0	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	42	5210	4.4	10.0	5.6
3	155	5775		30.0	24.0

Antenna gain ≤ 9 dBi

Ambient temperature: 25 °C
Air Pressure: 999 hPa
Humidity: 45 %

WLAN n-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	38	5190	3.0	8.0	5.0	-	-	-

WLAN n-Mode; 40 MHz; MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	38	5190	-1.2	-	-	10.0	1.2	8.8
1	46	5230	-0.3	-	-	10.0	1.3	8.7

WLAN ac-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	38	5190	2.6	8.0	5.4	-	-	-

WLAN ac-Mode; 40 MHz; MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	38	5190	-1.1	-	-	10.0	2.1	7.9
1	46	5230	-0.7	-	-	10.0	1.7	8.3

WLAN ac-Mode; 80 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	42	5210	0.0	8.0	8.0	-	-	-
3	155	5775	1.5	27.0	25.5	-	-	-

WLAN ac-Mode; 80 MHz; MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	42	5210	-3.9	-	-	10.0	4.9	5.1
3	155	5775	1.5	-	-	30.0	28.5	-

WLAN ax-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	38	5190	1.9	8.0	6.1	-	-	-

WLAN ax-Mode; 40 MHz; MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	38	5190	-1.7	-	-	10.0	2.7	7.3
1	46	5230	-0.5	-	-	10.0	1.5	8.5

WLAN ax-Mode; 80 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPD
1	42	5210	0.1	8.0	7.9	-	-	-
3	155	5775	3.2	27.0	23.8	-	-	-

WLAN ax-Mode; 80 MHz; MCS0; SISO, ISED

U-NII- Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	42	5210	-4.1	-	-	10.0	5.1	4.9
3	155	5775	3.2	30.0	26.8	30.0	26.8	

WLAN a-Mode; 20 MHz; 6 Mbit/s; DIVERSITY, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	7.1	8.0	0.9
	44	5220	6.9	8.0	1.1
	48	5240	7.7	8.0	0.3

WLAN a-Mode; 20 MHz; 6 Mbit/s; DIVERSITY, ISED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	-0.9	-	-
	44	5220	-1.0	-	-
	48	5240	-0.1	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPSD	IC Limit [dBm/MHz]	Margin [dB]
1	36	5180	8.1	10.0	1.9
	44	5220	8.0	10.0	2.0
	48	5240	8.9	10.0	1.1

WLAN n-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII- Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	6.7	8.0	1.3
	44	5220	6.4	8.0	1.6
	48	5240	7.2	8.0	0.8

WLAN n-Mode; 20 MHz; MCS0; MIMO, ISED

U-NII- Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	-1.3	-	-
	44	5220	-1.4	-	-
	48	5240	-0.7	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPSD	IC Limit [dBm/MHz]	Margin [dB]
1	36	5180	7.7	10.0	2.3
	44	5220	7.6	10.0	2.4
	48	5240	8.3	10.0	1.7

WLAN n-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	2.7	8.0	5.3
	46	5230	6.7	27.0	20.3

WLAN n-Mode; 40 MHz; MCS0; MIMO, ISED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	-1.9	-	-
	46	5230	-2.1	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	38	5190	7.1	10.0	2.9
	46	5230	6.9	10.0	3.1

WLAN ac-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	6.2	8.0	1.8
	44	5220	5.9	8.0	2.1
	48	5240	6.7	8.0	1.3

WLAN ac-Mode; 20 MHz; MCS0; MIMO, ISED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	-1.3	-	-
	44	5220	-1.4	-	-
	48	5240	-0.7	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	36	5180	7.7	10.0	2.3
	44	5220	7.6	10.0	2.4
	48	5240	8.3	10.0	1.7

WLAN ac-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	3.3	8.0	4.7
	46	5230	6.5	8.0	1.5

WLAN ac-Mode; 40 MHz; MCS0; MIMO, ISED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	-1.6	-	-
	46	5230	-2.0	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	38	5190	7.4	10.0	2.6
	46	5230	7.0	10.0	3.0

WLAN ac-Mode; 80 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	42	5210	0.1	8.0	7.9
3	155	5775	4.2	27.0	22.8

WLAN ac-Mode; 80 MHz; MCS0; MIMO, ISFD

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	42	5210	-5.0	-	-
3	155	5775	4.2	30.0	25.8

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	42	5210	4.0	10.0	6.0
3	155	5775		30.0	25.8

WLAN ax-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	6.2	8.0	1.8
	44	5220	5.9	8.0	2.1
	48	5240	6.7	8.0	1.3

WLAN ax-Mode; 20 MHz; MCS0; MIMO, ISFD

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	-1.6	-	-
	44	5220	-1.8	-	-
	48	5240	-1.2	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	36	5180	7.4	10.0	2.6
	44	5220	7.2	10.0	2.8
	48	5240	7.8	10.0	2.2

WLAN ax-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	2.2	8.0	5.8
	46	5230	6.0	8.0	2.0

WLAN ax-Mode; 40 MHz; MCS0; MIMO, ISFD

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	-2.3	-	-
	46	5230	-2.7	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	38	5190	6.7	10.0	3.3
	46	5230	6.3	10.0	3.7

WLAN ax-Mode; 80 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	42	5210	0.3	8.0	7.7
3	155	5775	6.3	27.0	20.7

WLAN ax-Mode; 80 MHz; MCS0; MIMO, ISED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	42	5210	-4.6	-	-
3	155	5775	6.3	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPSD	IC Limit [dBm/MHz]	Margin [dB]
1	42	5210	4.4	10.0	5.6
3	155	5775		30.0	23.7

Antenna gain ≤ 14.2 dBi

Ambient temperature: 25 °C
Air Pressure: 999 hPa
Humidity: 45 %
WLAN a-Mode; 20 MHz; 6 Mbit/s, FCC

U-NII- Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	36	5180	2.2	2.8	0.6	-	-	-
	44	5220	2.3	2.8	0.5	-	-	-
	48	5240	2.7	2.8	0.1	-	-	-

WLAN a-Mode; 20 MHz; 6 Mbit/s, ISED

U-NII- Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	36	5180	-7.8	-	-	10.0	3.6	6.4
	44	5220	-7.3	-	-	10.0	3.1	6.9
	48	5240	-6.9	-	-	10.0	2.7	7.3

WLAN n-Mode; 20 MHz; MCS0; SISO, FCC

U-NII- Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	36	5180	1.8	2.8	1.0	-	-	-
	44	5220	1.9	2.8	0.9	-	-	-
	48	5240	2.2	2.8	0.6	-	-	-

WLAN n-Mode; 20 MHz; MCS0; SISO, ISED

U-NII- Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	36	5180	-7.7	-	-	10.0	3.5	6.5
	44	5220	-7.9	-	-	10.0	3.7	6.3
	48	5240	-7.5	-	-	10.0	3.3	6.7

WLAN n-Mode; 40 MHz; MCS0; SISO, FCC

U-NII- Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	38	5190	1.3	2.8	1.5	-	-	-
	46	5230	1.3	2.8	1.5	-	-	-

WLAN n-Mode; 40 MHz; MCS0; SISO, ISED

U-NII- Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	38	5190	-7.7	-	-	10.0	3.5	6.5
	46	5230	-7.8	-	-	10.0	3.6	6.4

WLAN ac-Mode; 20 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	36	5180	1.8	2.8	1.0	-	-	-
	44	5220	1.9	2.8	0.9	-	-	-
	48	5240	2.3	2.8	0.5	-	-	-

WLAN ac-Mode; 20 MHz; MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	36	5180	-8.0	-	-	10.0	3.8	6.2
	44	5220	-7.7	-	-	10.0	3.5	6.5
	48	5240	-7.3	-	-	10.0	3.1	6.9

WLAN ac-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	38	5190	1.1	2.8	1.7	-	-	-
	46	5230	1.3	2.8	1.5	-	-	-

WLAN ac-Mode; 40 MHz; MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	38	5190	-8.1	-	-	10.0	3.9	6.1
	46	5230	-7.9	-	-	10.0	3.7	6.3

WLAN ac-Mode; 80 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	42	5210	-4.2	2.8	7.0	-	-	-

WLAN ac-Mode; 80 MHz; MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	42	5210	-11.8	-	-	10.0	7.6	2.4

WLAN ax-Mode; 20 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	36	5180	1.4	2.8	1.4	-	-	-
	44	5220	1.4	2.8	1.4	-	-	-
	48	5240	1.8	2.8	1.0	-	-	-

WLAN ax-Mode; 20 MHz; MCS0; SISO, ISSED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	36	5180	-7.9	-	-	10.0	3.7	6.3
	44	5220	-7.8	-	-	10.0	3.6	6.4
	48	5240	-7.6	-	-	10.0	3.4	6.6

WLAN ax-Mode; 40 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSD
1	38	5190	0.9	2.8	1.9	-	-	-
	46	5230	0.4	2.8	2.4	-	-	-

WLAN ax-Mode; 40 MHz; MCS0; SISO, ISED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSPD
1	38	5190	-8.9	-	-	10.0	4.7	5.3
	46	5230	-8.6	-	-	10.0	4.4	5.6

WLAN ax-Mode; 80 MHz; MCS0; SISO, FCC

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSPD
1	42	5210	-4.1	2.8	6.9	-	-	-

WLAN ax-Mode; 80 MHz; MCS0; SISO, ISED

U-NII-Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]	IC Limit [dBm/MHz]	Margin [dB]	IC EIRP MPSPD
1	42	5210	-11.5	-	-	10.0	7.3	2.7

WLAN a-Mode; 20 MHz; 6 Mbit/s; DIVERSITY, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	2.1	2.8	0.7
	44	5220	1.9	2.8	0.9
	48	5240	2.6	2.8	0.2
3	149	5745	5.4	21.8	16.4
	157	5785	6.3	21.8	15.5
	165	5825	5.6	21.8	16.2

WLAN a-Mode; 20 MHz; 6 Mbit/s; DIVERSITY, ISED

U-NII-Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	-7.4	-	-
	44	5220	-7.5	-	-
	48	5240	-6.6	-	-
3	149	5745	5.4	-	-
	157	5785	6.3	-	-
	165	5825	5.6	-	-

table continued

U-NII-Subband	Ch. No.	Freq. [MHz]	IC EIRP MPSPD	IC Limit [dBm/MHz]	Margin [dB]
1	36	5180	6.8	10.0	3.2
	44	5220	6.7	10.0	3.3
	48	5240	7.6	10.0	2.4
3	149	5745		30.0	24.6
	157	5785		30.0	23.7
	165	5825		30.0	24.4

WLAN n-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII- Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/ MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	1.8	2.8	1.0
	44	5220	1.8	2.8	1.0
	48	5240	2.3	2.8	0.5
3	149	5745	5.1	21.8	16.7
	157	5785	5.8	21.8	16.0
	165	5825	5.2	21.8	16.6

WLAN n-Mode; 20 MHz; MCS0; MIMO, ISSED

U-NII- Sub band	Ch. No.	Freq. [MHz]	MPSD [dBm/ MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	-7.4	-	-
	44	5220	-7.5	-	-
	48	5240	-6.7	-	-
3	149	5745	5.1	-	-
	157	5785	5.8	-	-
	165	5825	5.2	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	36	5180	6.8	10.0	3.2
	44	5220	6.7	10.0	3.3
	48	5240	7.5	10.0	2.5
3	149	5745		30.0	24.9
	157	5785		30.0	24.2
	165	5825		30.0	24.8

WLAN n-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/ MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	1.3	2.8	1.5
	46	5230	1.3	2.8	1.5
3	151	5755	6.1	21.8	15.7
	159	5795	6.8	21.8	15.0

WLAN n-Mode; 40 MHz; MCS0; MIMO, ISSED

U-NII-Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/ MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	-8.6	-	-
	46	5230	-8.2	-	-
3	151	5755	6.1	-	-
	159	5795	6.8	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	38	5190	5.6	10.0	4.4
	46	5230	6.0	10.0	4.0
3	151	5755		30.0	23.9
	159	5795		30.0	23.2

WLAN ac-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII-Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/ MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	1.8	2.8	1.0
	44	5220	1.6	2.8	1.2
	48	5240	2.2	2.8	0.6
3	149	5745	5.0	21.8	16.8
	157	5785	5.7	21.8	16.1
	165	5825	5.1	21.8	16.7

WLAN ac-Mode; 20 MHz; MCS0; MIMO, ISED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	-7.2	-	-
	44	5220	-7.5	-	-
	48	5240	-7.1	-	-
3	149	5745	5.0	-	-
	157	5785	5.7	-	-
	165	5825	5.1	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	36	5180	7.0	10.0	3.0
	44	5220	6.7	10.0	3.3
	48	5240	7.1	10.0	2.9
3	149	5745		30.0	25.0
	157	5785		30.0	24.3
	165	5825		30.0	24.9

WLAN ac-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	1.0	2.8	1.8
	46	5230	1.2	2.8	1.6
3	151	5755	5.8	21.8	16.0
	159	5795	6.5	21.8	15.3

WLAN ac-Mode; 40 MHz; MCS0; MIMO, ISED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	-8.2	-	-
	46	5230	-8.1	-	-
3	151	5755	5.8	-	-
	159	5795	6.5	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	38	5190	6.0	10.0	4.0
	46	5230	6.1	10.0	3.9
3	151	5755		30.0	24.2
	159	5795		30.0	23.5

WLAN ac-Mode; 80 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	42	5210	-2.2	2.8	5.0
3	155	5775	3.6	21.8	18.2

WLAN ac-Mode; 80 MHz; MCS0; MIMO, ISED

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	42	5210	-11.2	-	-
3	155	5775	3.6	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPD	IC Limit [dBm/MHz]	Margin [dB]
1	42	5210	3.0	10.0	7.0
3	155	5775		30.0	26.4

WLAN ax-Mode; 20 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	1.3	2.8	1.5
	44	5220	1.2	2.8	1.6
	48	5240	1.9	2.8	0.9
3	149	5745	4.6	21.8	17.2
	157	5785	5.2	21.8	16.6
	165	5825	4.6	21.8	17.2

WLAN ax-Mode; 20 MHz; MCS0; MIMO, ISFD

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	36	5180	-17.3	-	-
	44	5220	-17.6	-	-
	48	5240	-16.9	-	-
3	149	5745	4.6	-	-
	157	5785	5.2	-	-
	165	5825	4.6	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPSD	IC Limit [dBm/MHz]	Margin [dB]
1	36	5180	-3.1	10.0	13.1
	44	5220	-3.4	10.0	13.4
	48	5240	-2.7	10.0	12.7
3	149	5745		30.0	25.4
	157	5785		30.0	24.8
	165	5825		30.0	25.4

WLAN ax-Mode; 40 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	0.3	2.8	2.5
	46	5230	0.5	2.8	2.3
3	151	5755	5.8	21.8	16.0
	159	5795	5.6	21.8	16.2

WLAN ax-Mode; 40 MHz; MCS0; MIMO, ISFD

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	38	5190	-8.6	-	-
	46	5230	-8.6	-	-
3	151	5755	5.8	-	-
	159	5795	5.6	-	-

table continued

U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPSD	IC Limit [dBm/MHz]	Margin [dB]
1	38	5190	5.6	10.0	4.4
	46	5230	5.6	10.0	4.4
3	151	5755		30.0	24.2
	159	5795		30.0	24.4

WLAN ax-Mode; 80 MHz; MCS0; MIMO, FCC

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	42	5210	-2.1	2.8	4.9
3	155	5775	4.4	21.8	17.4

WLAN ax-Mode; 80 MHz; MCS0; MIMO, ISD

U-NII- Subband	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	FCC Limit [dBm/MHz]	Margin [dB]
1	42	5210	-10.7	-	-
3	155	5775	4.4	-	-

table continued

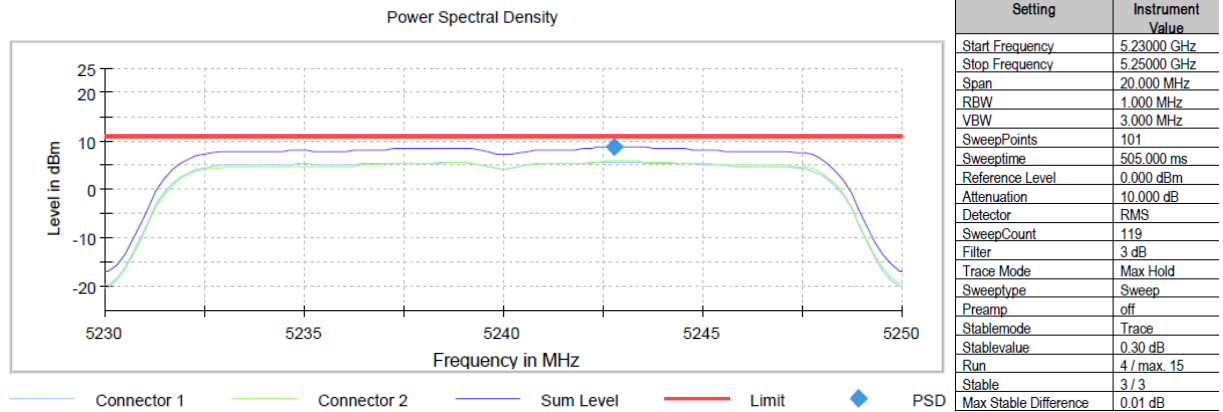
U-NII- Subband	Ch. No.	Freq. [MHz]	IC EIRP MPSD	IC Limit [dBm/MHz]	Margin [dB]
1	42	5210	3.5	10.0	6.5
3	155	5775		30.0	25.6

Remark:

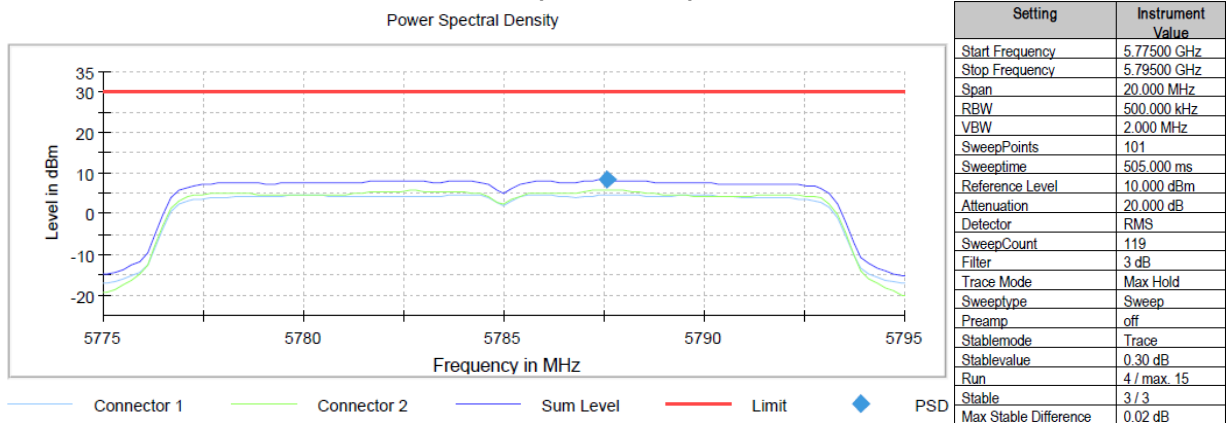
- Please see next sub-clause for the measurement plots.

5.5.4 MEASUREMENT PLOT FOR MAXIMUM CONDUCTED POWER (EXAMPLE PLOT, SHOWING WORST CASE, IF APPLICABLE)

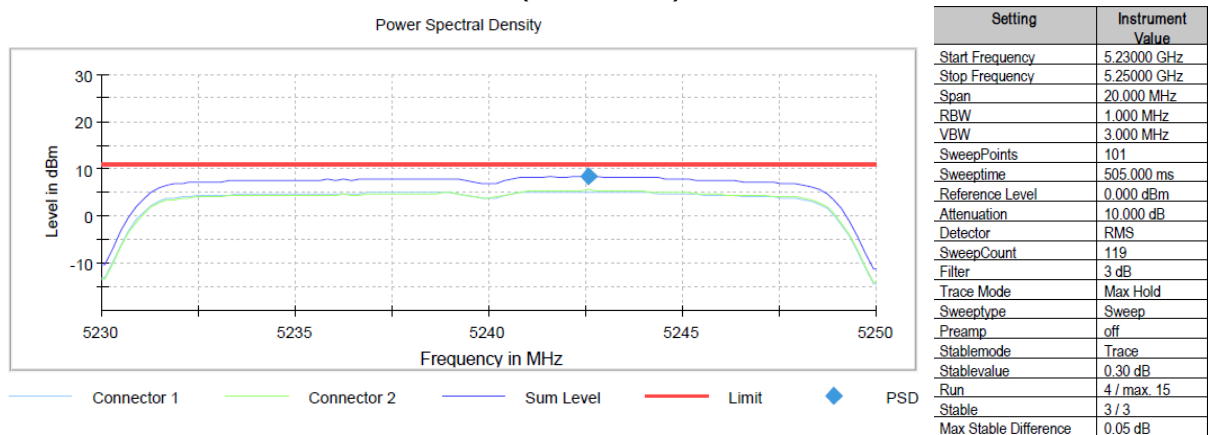
Radio Technology = WLAN a DIVERSITY, UNII- 1, Operating Frequency = high
(S01_AH01)



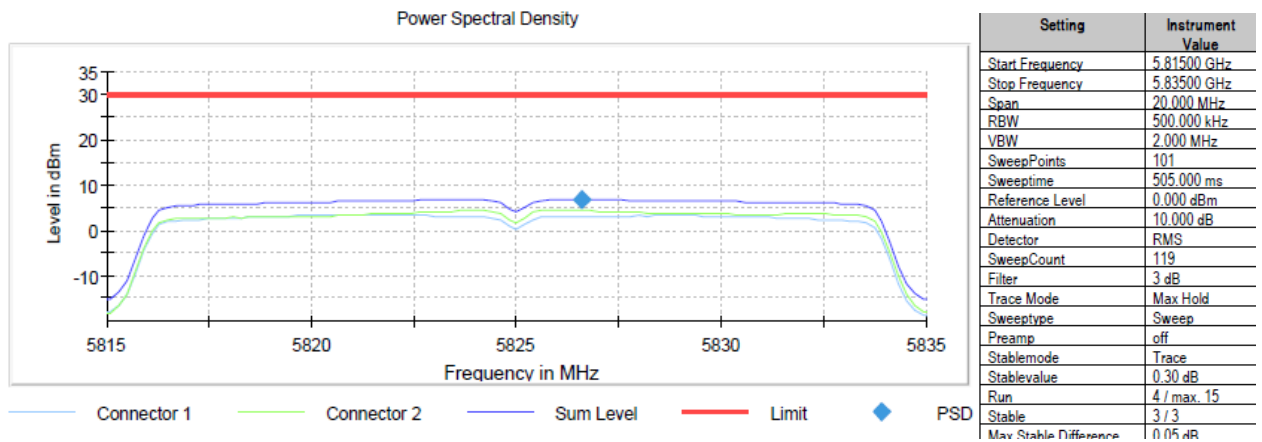
Radio Technology = WLAN a DIVERSITY, UNII- 3, Operating Frequency = mid
(S01_AH01)



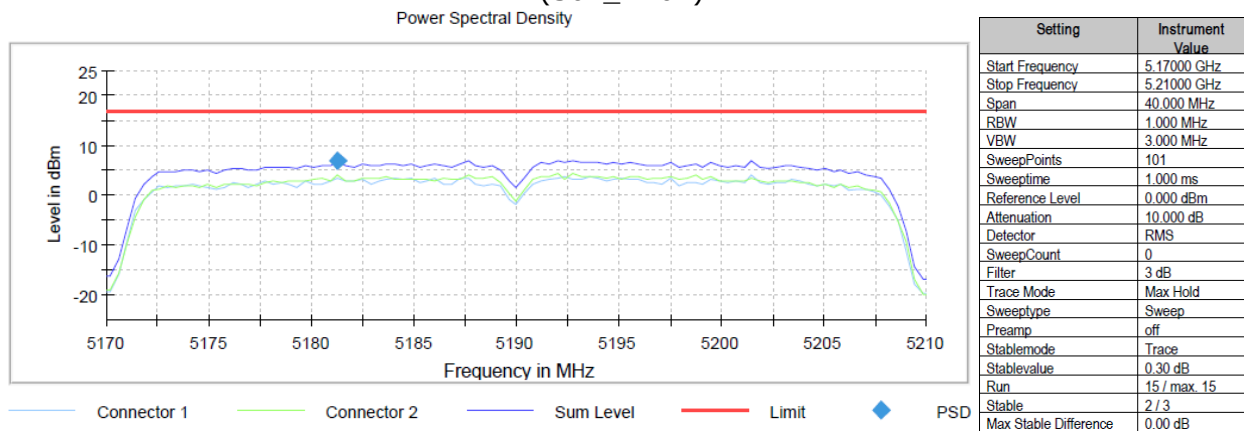
Radio Technology = WLAN n 20 MHz MIMO, UNII- 1, Operating Frequency = high
(S01_AH01)



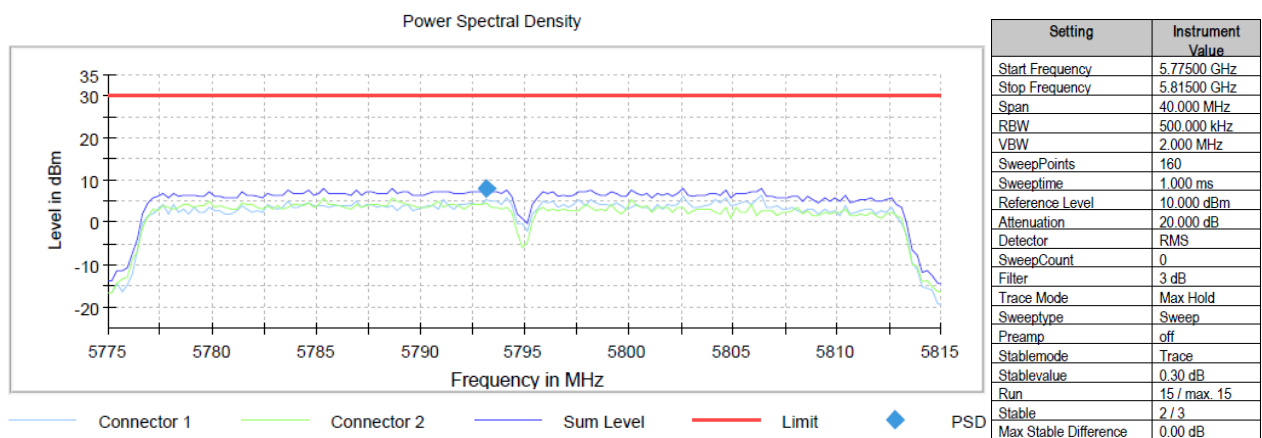
Radio Technology = WLAN n 20 MHz MIMO, UNII- 3, Operating Frequency = mid
(S01_AH01)



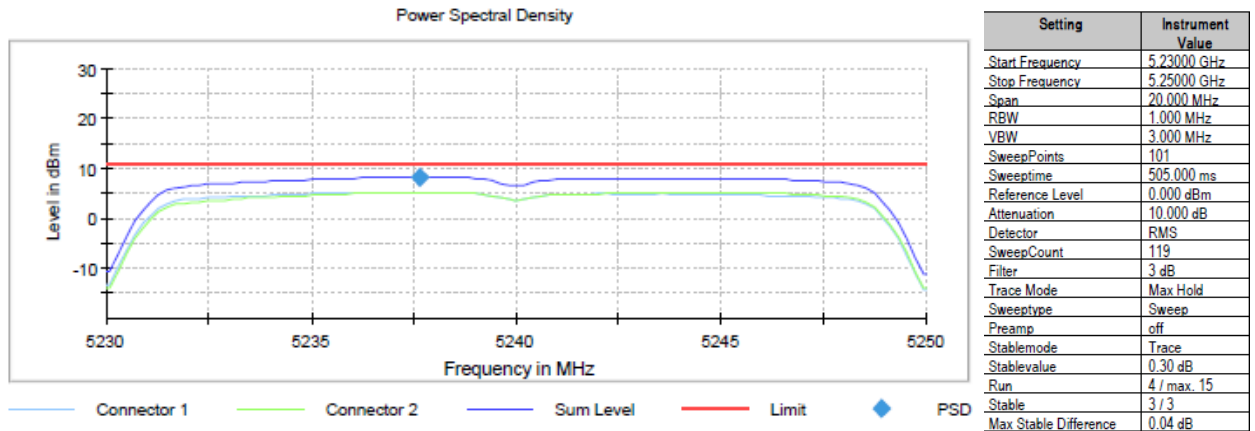
Radio Technology = WLAN n 40 MHz MIMO, UNII- 1, Operating Frequency = low
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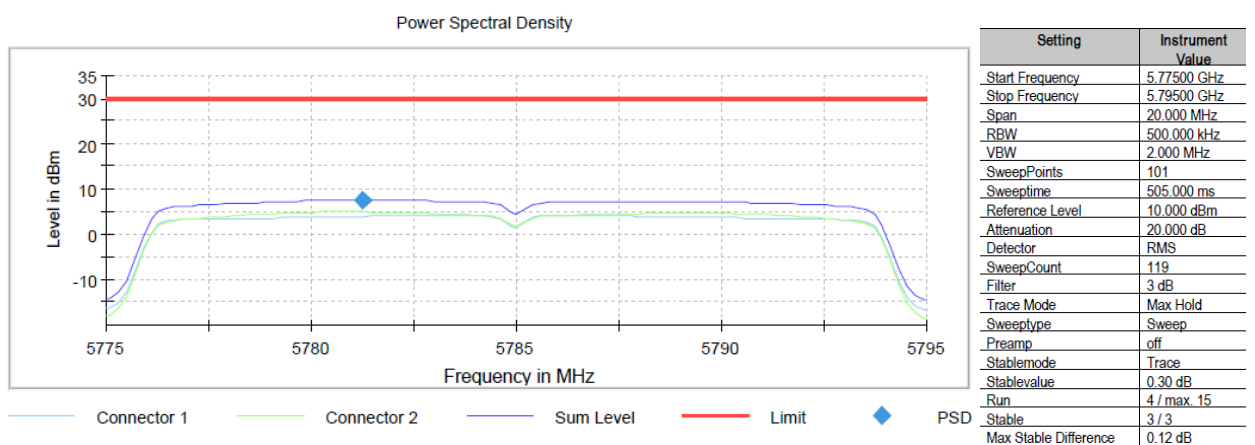
Radio Technology = WLAN n 40 MHz MIMO, UNII- 3, Operating Frequency = high
(S01_AH01)



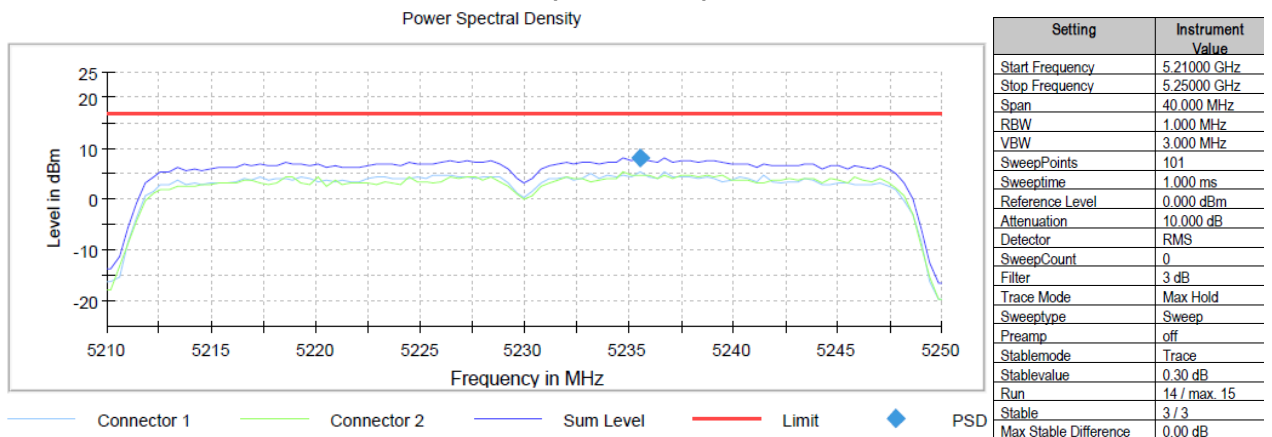
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(S01_AH01)



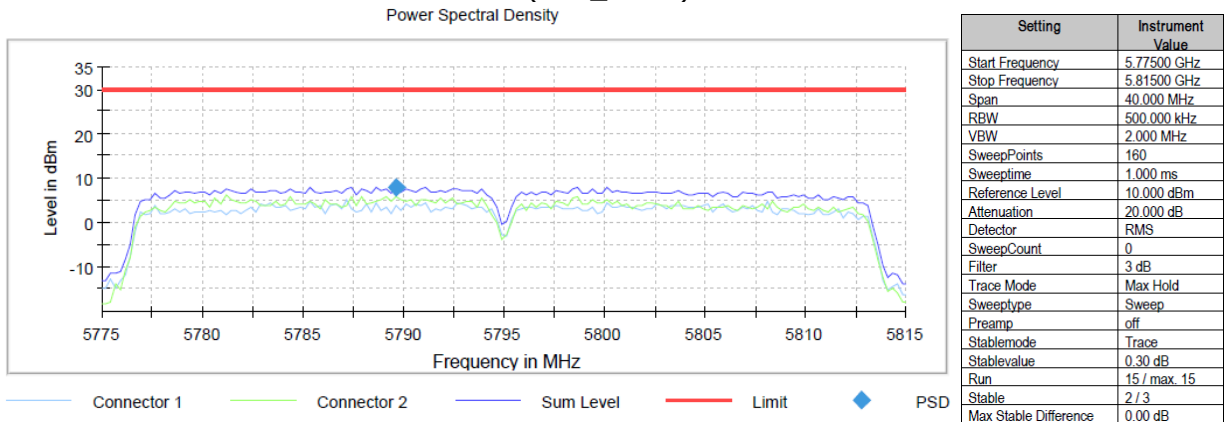
Radio Technology = WLAN ac 20 MHz MIMO, UNII- 3, Operating Frequency = mid
(S01_AH01)



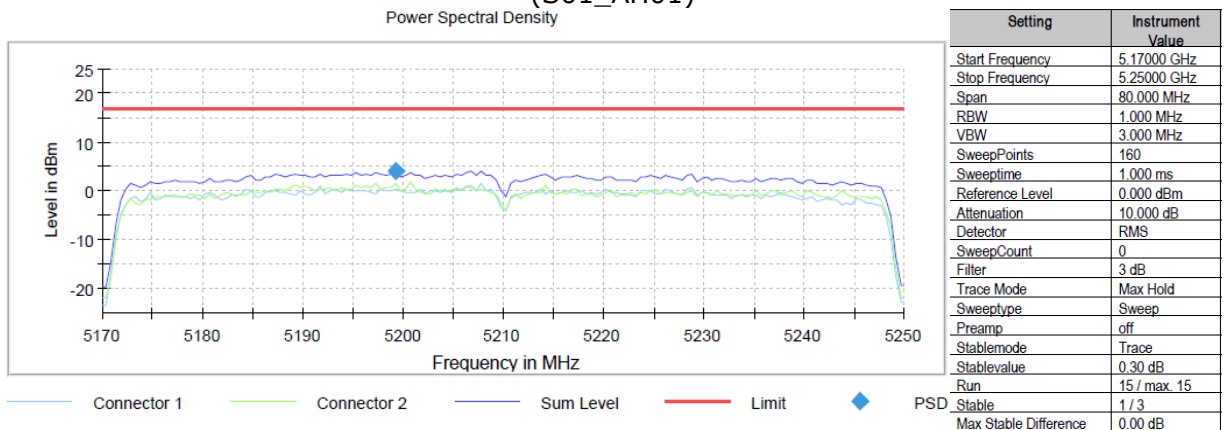
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(S01_AH01)



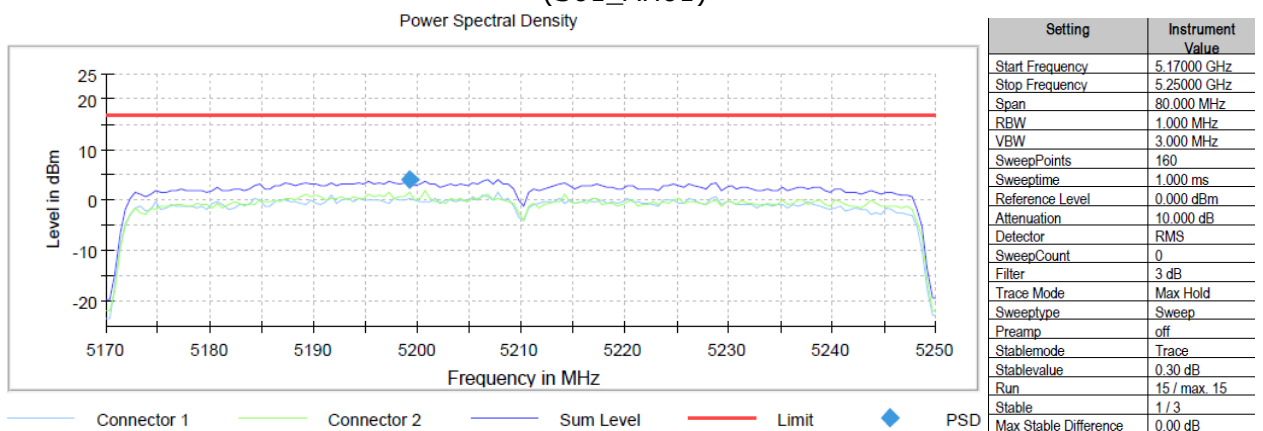
Radio Technology = WLAN ac 40 MHz MIMO, UNII- 3, Operating Frequency = high
(S01_AH01)



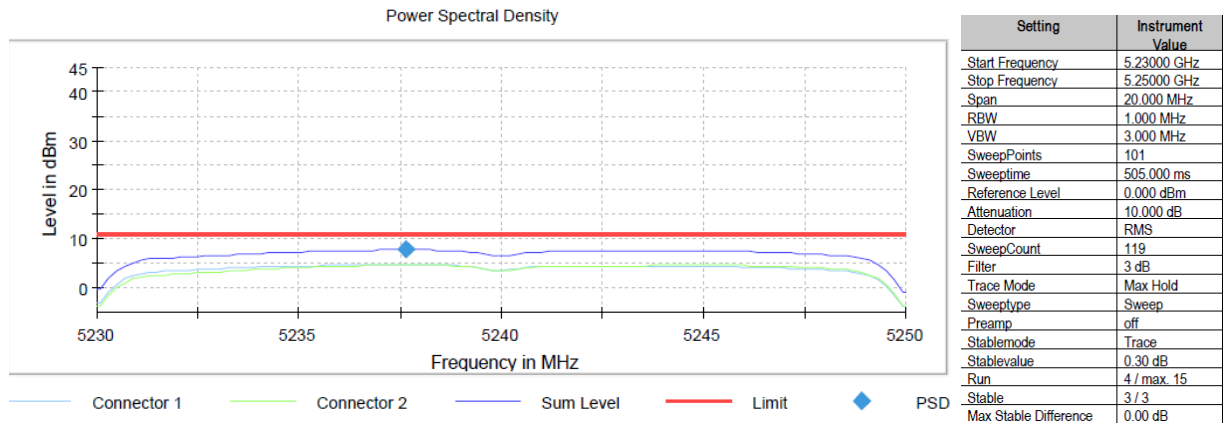
Radio Technology = WLAN ac 80 MHz MIMO, UNII- 1, Operating Frequency = mid
(S01_AH01)



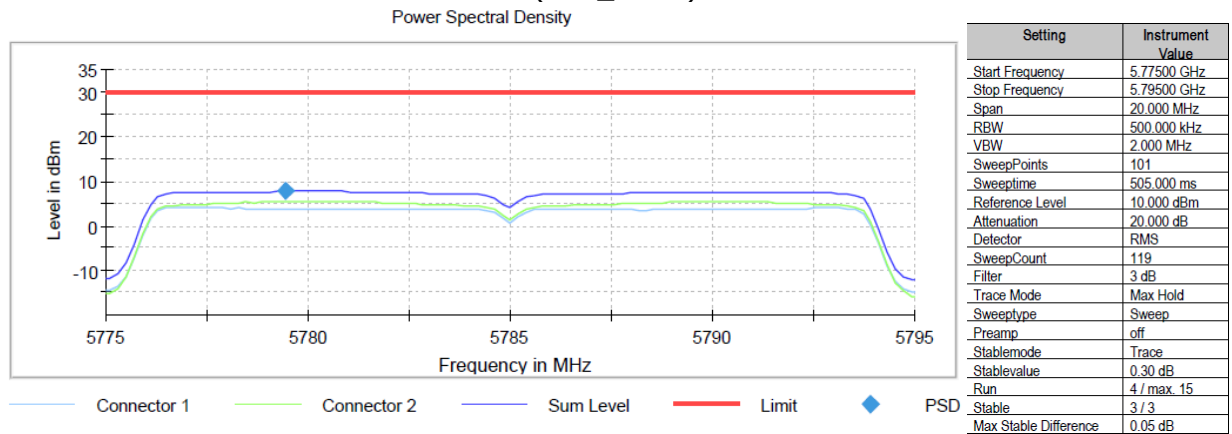
Radio Technology = WLAN ac 80 MHz MIMO, UNII- 3, Operating Frequency = mid
(S01_AH01)



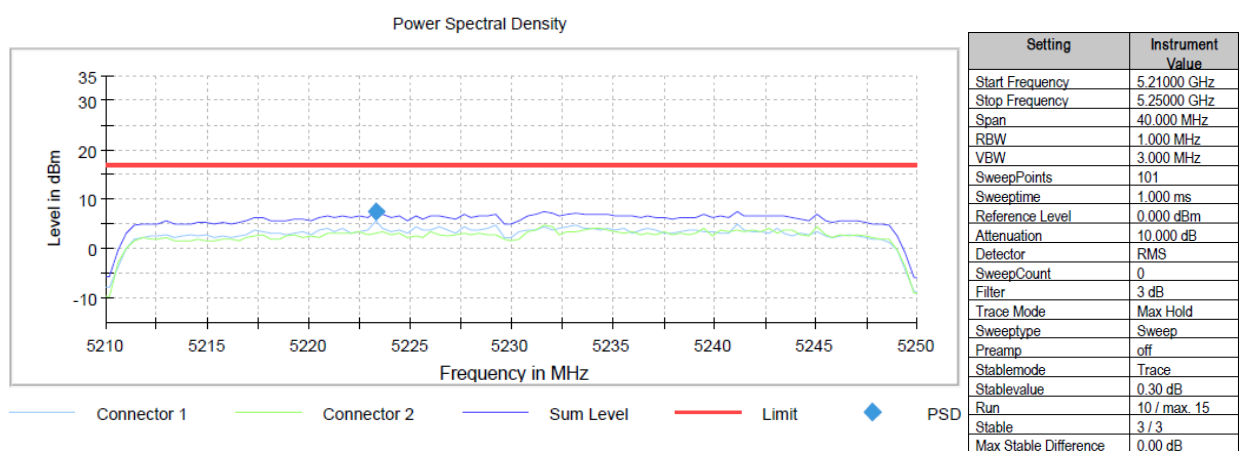
Radio Technology = WLAN ax 20 MHz MIMO, UNII- 1, Operating Frequency = high
(S01_AH01)



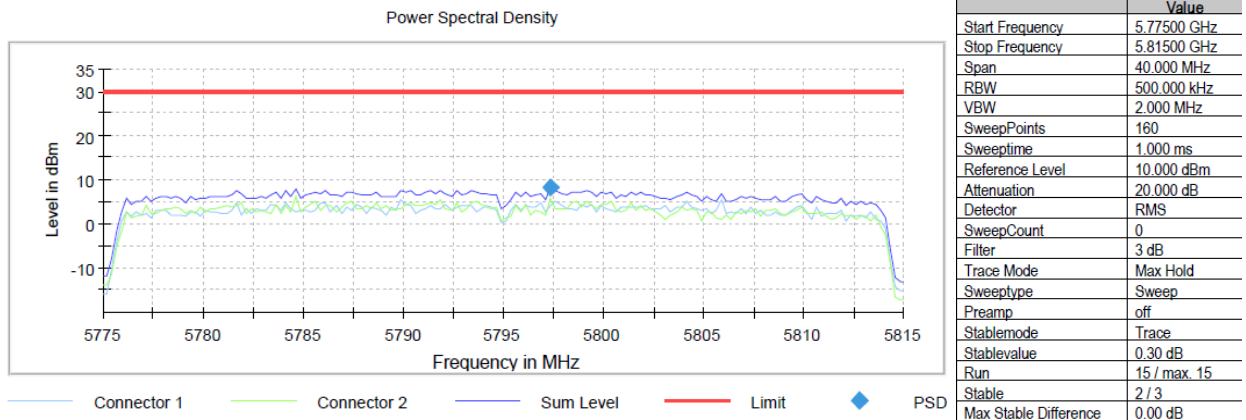
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(S01_AH01)



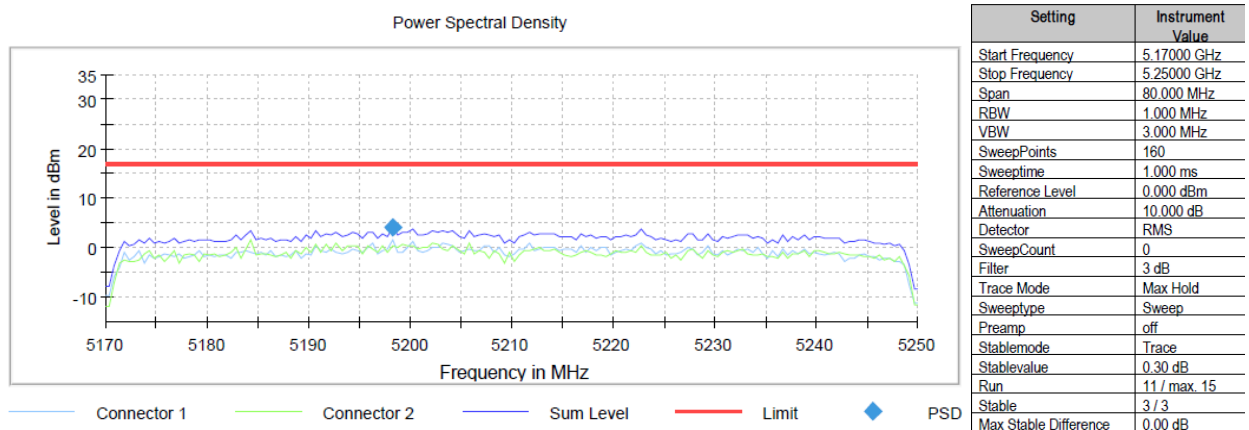
Radio Technology = WLAN ax 40 MHz MIMO, UNII- 1, Operating Frequency = high
(S01_AH01)



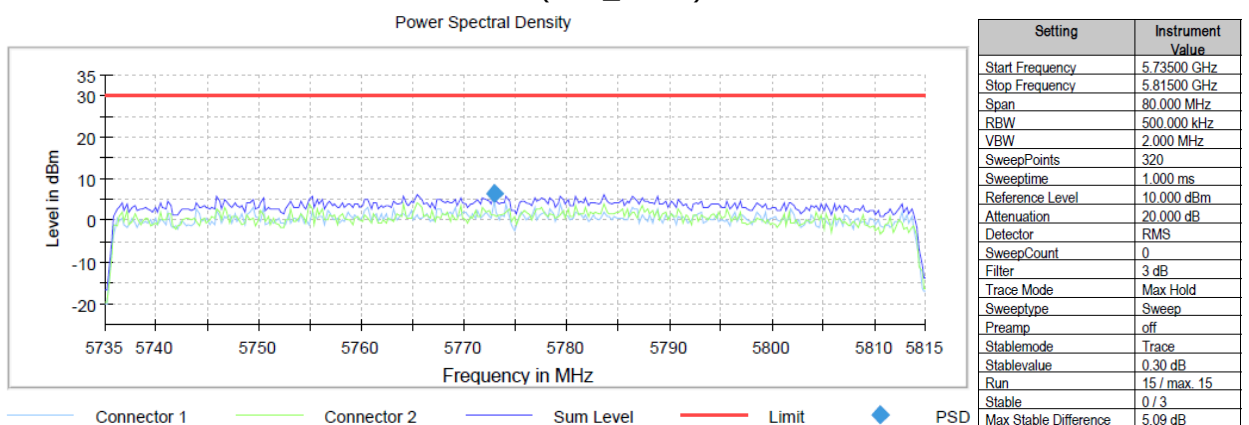
Radio Technology = WLAN ax 40 MHz MIMO, UNII- 3, Operating Frequency = high
(S01_AH01)



Radio Technology = WLAN ax 80 MHz MIMO, UNII- 1, Operating Frequency = mid
(S01_AH01)



Radio Technology = WLAN ax 80 MHz MIMO, UNII- 3, Operating Frequency = mid
(S01_AH01)



5.5.5 TEST EQUIPMENT USED

- R&S TS8997

5.6 UNDESIRABLE EMISSIONS; GENERAL FIELD STRENGTH LIMITS

Standard **FCC Part 15 Subpart E**

The test was performed according to:
ANSI C63.10

5.6.1 TEST DESCRIPTION

The test set-up was made in accordance to the general provisions of ANSI C63.10 in a typical installation configuration. The measurements were performed according the following sub-chapters of ANSI C63.10:

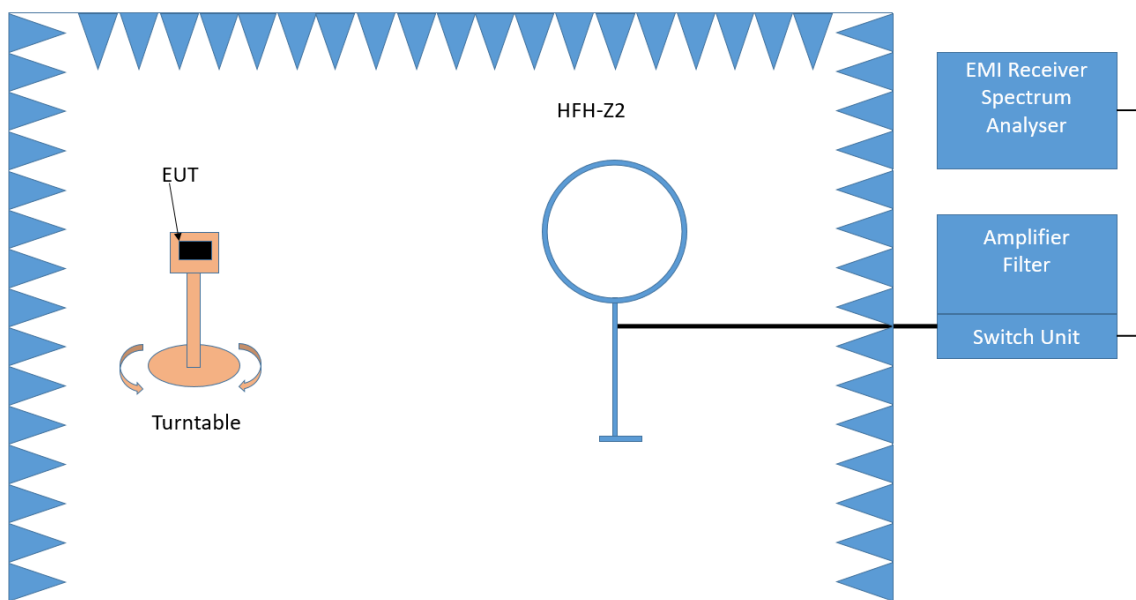
- < 30 MHz: Chapter 6.4
- 30 MHz – 1 GHz: Chapter 6.5
- > 1 GHz: Chapter 6.6 (procedure according 6.6.5 used)

The measurement procedure is implemented into the EMI test software EMC32 from R&S. Exploratory tests are performed at 3 orthogonal axes to determine the worst-case orientation of a body-worn or handheld EUT. The final test on all kind of EUTs is also performed at 3 axes. A pre-check is performed while the EUT is powered.

Below 1 GHz:

The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The influence of the EUT support table that is used between 30–1000 MHz was evaluated.

1. Measurement up to 30 MHz



Test Setup; Spurious Emission Radiated (SAC), 9 kHz – 30 MHz

The Loop antenna HFH2-Z2 is used.

Step 1: pre measurement

- Anechoic chamber
- Antenna distance: 3 m

- Detector: Peak-Maxhold
- Frequency range: 0.009 - 0.15 MHz and 0.15 - 30 MHz
- Frequency steps: 0.05 kHz and 2.25 kHz
- IF-Bandwidth: 0.2 kHz and 9 kHz
- Measuring time / Frequency step: 100 ms (FFT-based)

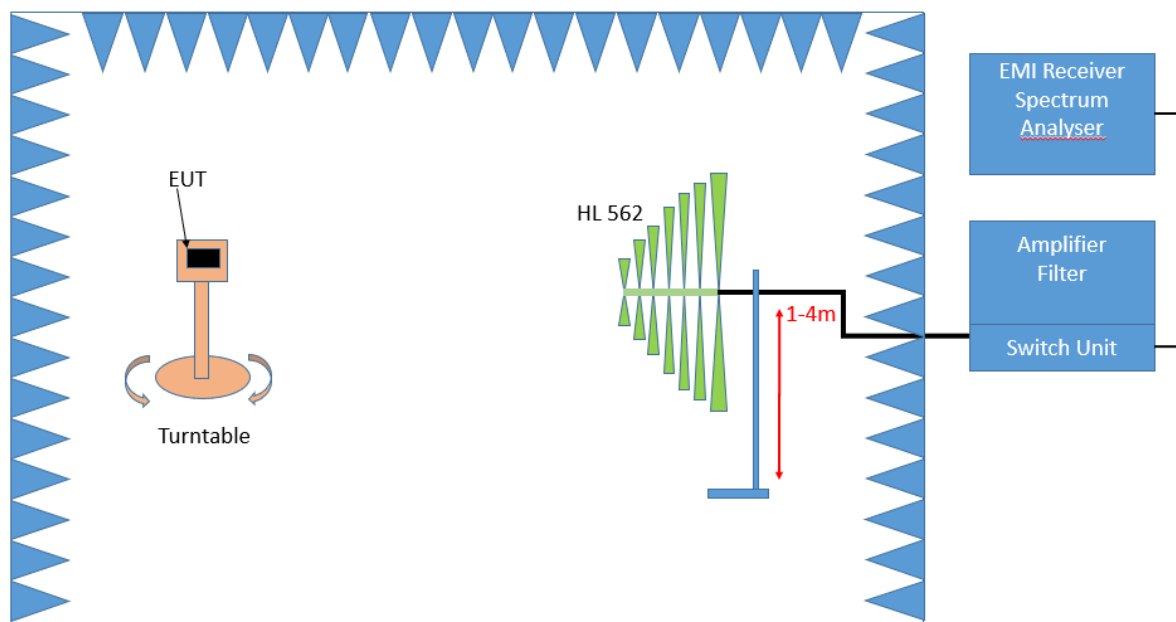
Intention of this step is, to determine the radiated EMI-profile of the EUT. Afterwards the relevant emissions for the final measurement are identified.

Step 2: final measurement

For the relevant emissions determined in step 1, an additional measurement with the following settings will be performed. Intention of this step is to find the maximum emission level.

- Open area test site
- Antenna distance: according to the Standard
- Detector: Quasi-Peak
- Frequency range: 0.009 - 30 MHz
- Frequency steps: measurement at frequencies detected in step 1
- IF-Bandwidth: 0.2 - 10 kHz
- Measuring time / Frequency step: 1 s

2. Measurement above 30 MHz and up to 1 GHz



Test Setup; Spurious Emission Radiated (SAC), 30 MHz- 1GHz

Step 1: Preliminary scan

This is a preliminary test to identify the highest amplitudes relative to the limit.

Settings for step 1:

- Antenna distance: 3 m
- Detector: Peak-Maxhold / Quasipeak (FFT-based)
- Frequency range: 30 - 1000 MHz
- Frequency steps: 30 kHz
- IF-Bandwidth: 120 kHz
- Measuring time / Frequency step: 100 ms
- Turntable angle range: -180° to 90°
- Turntable step size: 90°
- Height variation range: 1 - 4 m
- Height variation step size: 1.5 m

- Polarisation: Horizontal + Vertical

Intention of this step is, to determine the radiated EMI-profile of the EUT. Afterwards the relevant emissions for the final measurement are identified.

Step 2: Adjustment measurement

In this step the accuracy of the turntable azimuth and antenna height will be improved. This is necessary to find out the maximum value of every frequency.

For each frequency, which was determined the turntable azimuth and antenna height will be adjusted. The turntable azimuth will slowly vary by 360°. During this action, the value of emission is continuously measured. The turntable azimuth at the highest emission will be recorded and adjusted. In this position, the antenna height will also slowly vary by 1 – 4 meter. During this action, the value of emission is also continuously measured. The antenna height of the highest emission will also be recorded and adjusted.

- Detector: Peak – Maxhold
- Measured frequencies: in step 1 determined frequencies
- IF – Bandwidth: 120 kHz
- Measuring time: 100 ms
- Turntable angle range: 360 °
- Height variation range: 1 – 4 m
- Antenna Polarisation: max. value determined in step 1

Step 3: Final measurement with QP detector

With the settings determined in step 2, the final measurement will be performed:

EMI receiver settings for step 3:

- Detector: Quasi-Peak (< 1 GHz)
- Measured frequencies: in step 1 determined frequencies
- IF – Bandwidth: 120 kHz
- Measuring time: 1 s

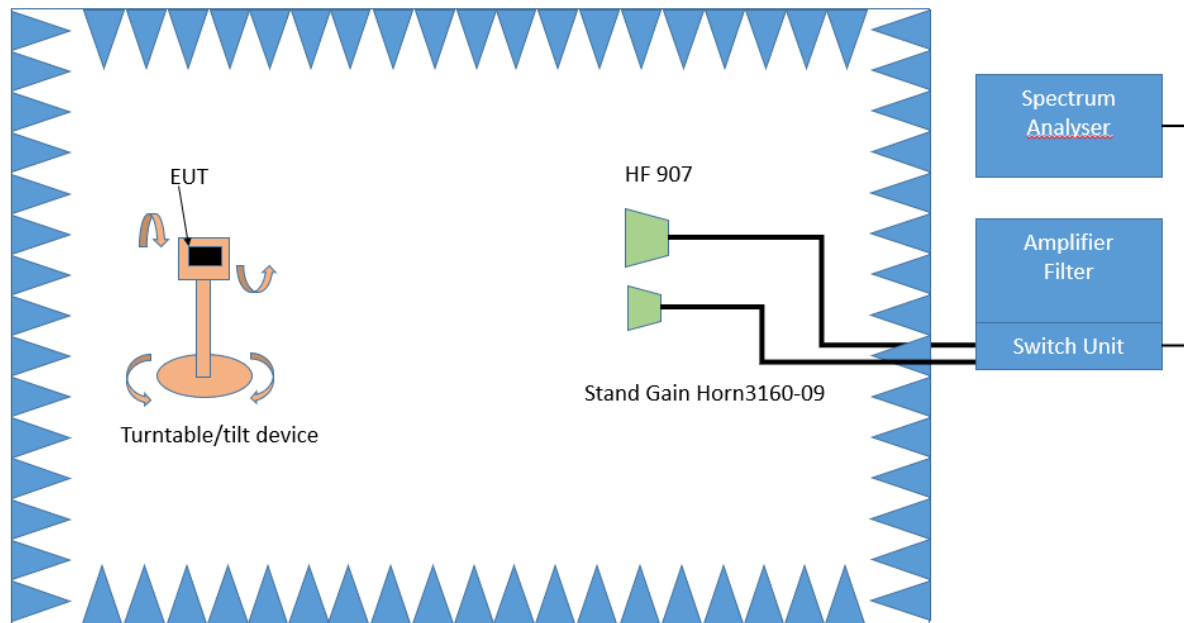
After the measurement a plot will be generated which contains a diagram with the results of the preliminary scan and a chart with the frequencies and values of the results of the final measurement.

Above 1 GHz:

The Equipment Under Test (EUT) was set up on a non-conductive support (tilt device) at 1.5 m height in the fully-anechoic chamber.

All steps were performed with one height (1.5 m) of the receiving antenna only.

3. Measurement 1 GHz up to 26.5 GHz



Test Setup; Spurious Emission Radiated (FAC), 1 GHz-26.5 GHz

Step 1:

The Equipment Under Test (EUT) was set up on a non-conductive support (tilt device) at 1.5 m height in the fully-anechoic chamber.

All steps were performed with one height (1.5 m) of the receiving antenna only.

The EUT is turned during the preliminary measurement across the elevation axis, with a step size of 90 °.

The turn table step size (azimuth angle) for the preliminary measurement is 45 °.

Step 2:

Due to the fact, that in this frequency range the test is performed in a fully anechoic room, the height scan of the receiving antenna instep 2 is omitted. Instead of this, a maximum search with a step size $\pm 45^\circ$ for the elevation axis is performed.

The turn table azimuth will slowly vary by $\pm 22.5^\circ$.

The elevation angle will slowly vary by $\pm 45^\circ$

EMI receiver settings (for all steps):

- Detector: Peak, Average
- IF Bandwidth = 1 MHz

Step 3:

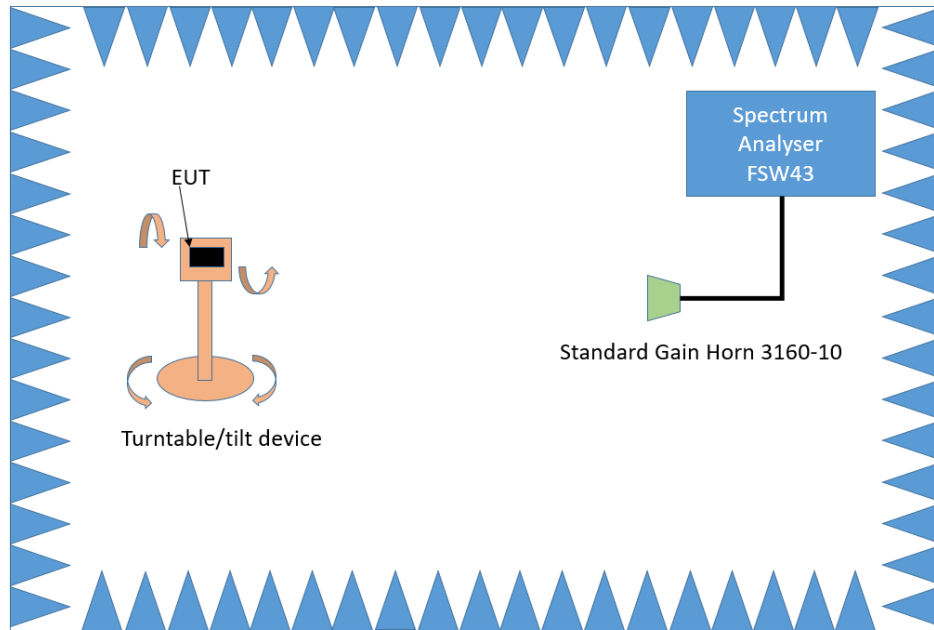
Spectrum analyser settings for step 3:

- Detector: Peak / Average
- Measured frequencies: in step 1 determined frequencies
- IF – Bandwidth: 1 MHz
- Measuring time: 1 s

4. Measurement above 26.5 GHz up to 40 GHz

The following modifications, compared to the frequency range 1 GHz – 26.5 GHz, apply to the measurement procedure for the frequency range above 26.5 GHz:

- Measurement distance: 1m



Test Setup; Spurious Emission Radiated (FAC), 26.5 – 40 GHz

5.6.2 TEST REQUIREMENTS / LIMITS

A) FCC

FCC Part 15 Subpart E, §15.407 (b)(1)

For transmitters operating in the 5150–5250 MHz band:

Limit: –27 dBm/MHz EIRP outside of the band 5150–5350 MHz.

FCC Part 15 Subpart E, §15.407 (b)(2)

For transmitters operating in the 5250–5350 MHz band:

Limit: –27 dBm/MHz EIRP outside of the band 5150–5350 MHz.

FCC Part 15 Subpart E, §15.407 (b)(3)

For transmitters operating in the 5470–5725 MHz band:

Limit: –27 dBm/MHz EIRP outside of the band 5470–5725 MHz.

FCC Part 15 Subpart E, §15.407 (b)(4)

For transmitters operating in the 5725–5850 MHz band:

Limit: –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
 increasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edge
 increasing linearly to 27 dBm/MHz at the band edge.

FCC Part 15 Subpart E, §15.407 (b) (5)

For transmitters operating within the 5.925-7.125 GHz band:

Limit: -27 dBm/MHz EIRP outside of the band 5.925-7.125 GHz.

FCC Part 15 Subpart E, §15.407 (b) (6)

For transmitters operating within the 5.925-7.125 GHz bands:

Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

B) IC

Different frequency bands and limits apply, as compared to the FCC requirements.

RSS-247, 6.2.1.2, Emissions outside the band 5150-5250 MHz, indoor operation only:

Limit: -27 dBm/MHz EIRP outside of the band 5150-5250 MHz.

RSS-247, 6.2.2.2, Emissions outside the band 5250-5350 MHz:

Limit: -27 dBm/MHz EIRP outside of the band 5250-5350 MHz.

RSS-247, 6.2.3.2, Emissions outside the bands 5470-5600 MHz and 5650-5725 MHz:

Limit: -27 dBm/MHz EIRP outside of the band 5470-5725 MHz.

However, devices with bandwidth overlapping the band edge of 5725 MHz can meet the emission limit of -27 dBm/MHz e.i.r.p. at 5850 MHz instead of 5725 MHz.

Note: No operation is permitted for the frequency range 5600-5650 MHz.

RSS-247, 6.2.4.2, Emissions outside the band 5725-5850 MHz:

- a. 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 Bm/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.

C) FCC & IC

FCC Part 15 Subpart E, §15.405

The provisions of §§ 15.203 and 15.205 are included.

§15.407 (b)(6)

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209.

§15.407 (b)(7)

The provisions of §15.205 apply to intentional radiators operating under this section

FCC Part 15, Subpart C, §15.209, Radiated Emission Limits

Frequency in MHz	Limit (μV/m)	Measurement distance (m)	Limits (dBμV/m)
0.009 – 0.49	2400/F(kHz)@300m	3	(48.5 – 13.8)@300m
0.49 – 1.705	24000/F(kHz)@30m	3	(33.8 – 23.0)@30m
1.705 – 30	30@30m	3	29.5@30m

The measured values are corrected with an inverse linear distance extrapolation factor (40 dB/decade) according FCC 15.31 (2).

Frequency in MHz	Limit (μV/m)	Measurement distance (m)	Limits (dBμV/m)
30 – 88	100@3m	3	40.0@3m
88 – 216	150@3m	3	43.5@3m
216 – 960	200@3m	3	46.0@3m
960 – 26000	500@3m	3	54.0@3m
26000 – 40000	500@3m	1	54.0@3m

The measured values above 26 GHz are corrected with an inverse linear distance extrapolation factor (20 dB/decade).

§15.35(b) ..., there is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit....

Used conversion factor:

- $\text{Limit (dB}\mu\text{V/m)} = 20 \log (\text{Limit } (\mu\text{V/m})/1\mu\text{V/m})$
- $\text{Limit (dB}\mu\text{V/m)} = \text{EIRP [dBm]} - 20 \log (d [\text{m}]) + 104.8$

Limit types (in result tables):

RB – Emissions falls into a "Restricted Band" according FCC §§15.205 and 15.209 *)

UE – "Undesirable Emission Limit" according FCC §15.407

BE-RB – Band Edge Limit basing on "Restricted Band Limits"

BE-UE – Band Edge Limit basing on "Undesirable Emission Limit"

*) Below 1 GHz the limits of §15.209 are applied for all frequencies.

5.6.3 TEST PROTOCOL

Ambient temperature: 23 - 27 °C
Air Pressure: 999 - 1005 hPa
Humidity: 35 - 55 %

S04_AJ01

WLAN a-Mode; 20 MHz; 6 Mbit/s; DIVERSITY
Applied duty cycle correction (AV): 0.6 dB

Ch. No.	Ch. Center Freq. [MHz]	Spurious Freq. [MHz]	Spurious Level [dBμV/m]	Detector	RBW [kHz]	Limit [dBμV/m]	Margin to Limit [dB]	Limit Type
36	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-
149	5745.0	5725.0	74.6	PEAK	1000	122.2	47.6	UE
149	5745.0	17808.9	59.6	PEAK	1000	74.0	14.4	RB
149	5745.0	17820.6	47.3	AV	1000	54.0	6.7	RB
157	-	-	-	-	-	-	-	-
165	-	-	-	-	-	-	-	-

WLAN n-Mode; 20 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.2 dB

Ch. No	Ch. Center Freq. [MHz]	Spurious Freq. [MHz]	Spurious Level [dBμV/m]	Detector	RBW [kHz]	Limit [dBμV/m]	Margin to Limit [dB]	Limit Type
36	5180.0	5148.7	54.9	PEAK	1000	74.0	19.1	RB
36	5180.0	5149.5	44.0	AV	1000	54.0	10.0	RB
44	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-
149	5745.0	5725.0	73.5	PEAK	1000	122.2	48.7	UE
157	-	-	-	-	-	-	-	-
165	5825.0	5850.4	59.2	PEAK	1000	121.2	62.0	UE

WLAN n-Mode; 40 MHz; MCS0; MIMO
Applied duty cycle correction (AV): 1.3 dB

Ch. No	Ch. Center Freq. [MHz]	Spurious Freq. [MHz]	Spurious Level [dBμV/m]	Detector	RBW [kHz]	Limit [dBμV/m]	Margin to Limit [dB]	Limit Type
36	5180.0	5147.2	66.7	PEAK	1000	74.0	7.3	RB
36	5180.0	5147.1	51.1	AV	1000	54.0	2.9	RB
44	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-
149	5745.0	5724.0	85.9	PEAK	1000	121.7	35.9	UE
157	-	-	-	-	-	-	-	-
165	5825.0	5852.2	63.8	PEAK	1000	117.1	53.4	UE

WLAN ac-Mode; 40 MHz; MCS0; SISO
Applied duty cycle correction (AV): 1.3 dB

Ch. No	Ch. Center Freq. [MHz]	Spurious Freq. [MHz]	Spurious Level [dBμV/m]	Detector	RBW [kHz]	Limit [dBμV/m]	Margin to Limit [dB]	Limit Type
36	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-
149	-	-	-	-	-	-	-	-
157	-	-	-	-	-	-	-	-
165	5825.0	1300.6	30.5	AV	1000	54.0	23.5	RB
165	5825.0	1300.9	42.4	PEAK	1000	74.0	31.6	RB
165	5825.0	1377.5	30.4	AV	1000	54.0	23.6	RB
165	5825.0	1377.6	42.3	PEAK	1000	74.0	31.7	RB

WLAN ax-Mode; 40 MHz; MCS0; SISO
Applied duty cycle correction (AV): 1.2 dB

Ch. No	Ch. Center Freq. [MHz]	Spurious Freq. [MHz]	Spurious Level [dBμV/m]	Detector	RBW [kHz]	Limit [dBμV/m]	Margin to Limit [dB]	Limit Type
36	5180.0	14481.9	43.5	AV	1000	54.0	10.5	RB
36	5180.0	14481.9	55.2	PEAK	1000	74.0	18.9	RB
36	5180.0	17821.8	48.3	AV	1000	54.0	5.7	RB
36	5180.0	17821.8	60.2	PEAK	1000	74.0	13.8	RB
44	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-
149	5745.0	5724.9	55.7	PEAK	1000	121.9	66.3	UE
157	-	-	-	-	-	-	-	-
165	5825.0	5850.1	56.3	PEAK	1000	121.9	65.6	UE

S03_AJ01

WLAN a-Mode; 20 MHz; 6 Mbit/s;
Applied duty cycle correction (AV): 0.6 dB

Ch. No	Ch. Center Freq. [MHz]	Spurious Freq. [MHz]	Spurious Level [dBμV/m]	Detector	RBW [kHz]	Limit [dBμV/m]	Margin to Limit [dB]	Limit Type
36	5180.0	15598.7	53.6	PEAK	1000	74.0	20.4	RB
36	5180.0	15600.0	41.2	AV	1000	54.0	12.8	RB
44	5200.0	15595.0	53.3	PEAK	1000	74.0	20.7	RB
44	5200.0	15599.3	41.0	AV	1000	54.0	13.0	RB
48	5240.0	15599.7	53.6	PEAK	1000	74.0	20.4	RB
48	5240.0	15607.3	41.1	AV	1000	54.0	12.9	RB
149	-	-	-	-	-	-	-	-
157	-	-	-	-	-	-	-	-
165	5825.0	5851.3	59.8	PEAK	1000	119.2	49.4	UE

S05_AJ01

WLAN a-Mode; 20 MHz; 6 Mbit/s; DIVERSITY
Applied duty cycle correction (AV): 0.6 dB

Ch. No	Ch. Center Freq. [MHz]	Spurious Freq. [MHz]	Spurious Level [dBμV/m]	Detector	RBW [kHz]	Limit [dBμV/m]	Margin to Limit [dB]	Limit Type
36	5180.0	5148.7	45.6	AV	1000	54.0	9.0	RB
36	5180.0	5148.7	68.8	PEAK	1000	74.0	5.2	RB
36	5180.0	5376.0	50.6	AV	1000	54.0	3.4	RB
36	5180.0	5376.1	59.3	PEAK	1000	74.0	14.7	RB
44	5200.0	5376.0	50.5	AV	1000	54.0	3.5	RB
44	5200.0	5375.9	59.1	PEAK	1000	74.0	14.9	RB
48	5240.0	5376.0	50.5	AV	1000	54.0	3.5	RB
48	5240.0	5376.0	59.2	PEAK	1000	74.0	14.8	RB
149	5745.0	5724.8	96.5	PEAK	1000	121.7	25.3	UE
157	-	-	-	-	-	-	-	-
165	-	-	-	-	-	-	-	-