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802.11be 80MHz Chain3 5530MHz





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MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT 9

9.1 Standard Applicable

9.1.1 **Duty Cycle**

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

			e-CRF Title 47 §15.407								
Band	c	EUT CATEGORY	Conducted Output Power	EIRP	TPC	Antenna Directional Gair Requirements					
		Fixed point-to- point	1 Watt(30dBm)	Not required	Not required	23dBi					
U-NII-1		Outdoor AP	1 Watt(30dBm)	Elevation angle above 30 degrees 125mW (21dBm)	Not required	6dBi					
	۷	Indoor AP	1 Watt(30dBm)	Not required	Not required	6dBi					
		Other	250mW(23.98dBm)	Not required	Not required	6dBi					
U-NII-2A	V	Other	250mW(23.98dBm) or 11dBm+10 log B	Not required	When EIRP >500mW At least 6dB below EIRP 1W (30dBm)	6dBi					
U-NII-2C	۷	Other	250mW(23.98dBm) or 11dBm+10 log B	Not required		6dBi					
	٧	Other	1 Watt(30dBm)	Not required	Not required	6dBi					
0-111-5		Fixed point-to-point	1 Watt(30dBm)	Not required	Not required	Not required					
		Indoor AP (a channel spans 5725~5850 and 5850~5895MHz)	Not required	36dBm	Not required	Not required					
U-NII-4		indoor client (a channel spans 5725~5850 and 5850~5895MHz)	Not required	30dBm	Not required	Not required					
		subordinata device	Not required	36dBm	Not required	Not required					

9.1.2 FCC

power shall be reduced by the amount in dB that the direction-al gain of the antenna. 2. For the 10 log B, B is the 26 dB emission bandwidth.

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9.2 Test Setup

9.2.1 **Duty Cycle**



9.2.2 **Output Power**



9.3 Measurement Procedure

9.3.1 **Duty Cycle Measurements**

- 1. Set span = Zero
- 2. RBW = 8MHz
- 3. VBW = 8MHz.
- 4. Detector = Peak

9.3.2 **Output Power Measurements**

- Place the EUT on the table and set it in transmitting mode. 1.
- 2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
- Remove the antenna from the EUT and then connect a low loss RF cable from the an-3 tenna port to the power meter
- 4. Power Meter is used as the auxiliary test equipment to conduct the output power measurement.
- 5. Record the max. reading and add 10 log(1/duty cycle).
- Repeat above procedures until all frequency (low, middle, and high channel) measured 6. were complete.
- MIMO mode: offset is set with "measure and add 10 Log (N)" to measurement for MIMO mode. Offset = 7. cable loss + 10 log (N), where N is number of transmitting antenna, cable loss is specified below.

Note:

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

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DirectionalGain =
$$10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

 $g_{j,k} = /20$ 10Gk if the kth antenna is being fed by spatial stream j, or zero if it is not; G_k is the gain in dBi of the kth antenna.

The antenna gain is greater than 6 dBi, therefore the power limit has been attenuated accordingly.

Duty Cycle Measurement Result 9.4

Mode: CDD

Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log(1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11a	98.13	0.08	0.37	0.01
802.11n_20	98.54	0.06	0.24	0.01
802.11n_40	98.77	0.05	0.24	0.01
802.11ac_80	98.78	0.05	0.24	0.01
802.11ac_160	98.78	0.05	0.24	0.01
802.11be_20	98.54	0.06	0.25	0.01
802.11be_40	98.68	0.06	0.25	0.01
802.11be_80	98.68	0.06	0.25	0.01
802.11be_160	98.49	0.07	0.25	0.01

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Mode: Beamforming

Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11n_20	98.93	0.05	0.20	0.01
802.11n_40	98.21	0.08	0.41	0.01
802.11ac_80	96.47	0.16	0.87	1.00
802.11ac_160	96.31	0.16	0.87	1.00
802.11be_20	96.31	0.16	0.87	1.00
802.11be_40	97.39	0.11	0.51	1.00
802.11be_80	95.80	0.19	1.04	2.00
802.11be_160	94.85	0.23	1.04	2.00

Spot Check Mode: CDD

Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log(1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11a	98.13	0.08	0.37	0.01
802.11n_20	98.77	0.05	0.24	0.01
802.11n_40	98.77	0.05	0.24	0.01
802.11ac_80	98.55	0.06	0.24	0.01
802.11ac_160	98.78	0.05	0.24	0.01
802.11be_20	98.73	0.06	0.25	0.01
802.11be_40	98.73	0.06	0.25	0.01
802.11be_80	98.49	0.07	0.25	0.01
802.11be_160	98.68	0.06	0.25	0.01

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Spot Check





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EYSIGHT	Coupling: DC	Input Z: 50 Ω # Corrections: Off	Atten: 30 dB PN Ge	NO: Fast ate: Off	Avg Typ Trig: Fre	e: Voll ee Rur	tage 1	123456	Center F	requency	Setting
	Align: Auto	Freq Ref: Int (S)	IF Si	Gain: Low g Track: Of	r			PNNNN	5.2100	00000 GHz	
Spectrum	•	Ref	Lvi Offset 11.80 di	в		Δ	Mkr3	4.112 ms	Span 0.0000	0000 Hz	
ale/Div 10 c	в	Ref	Level 30.00 dBm	-				0.01 dB	Sw	ept Span	
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00	- M2								F	uli Span	
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1 Δ2 2 E	1 t	(Δ) 4.050 ms (Δ) 2.878 ms	4.127 dB	induoin	T UNCONT IT	- Carl	T UNIC		Freq Of	set	
2 F 3 Δ4	1 t	(Δ) 4.112 ms (Δ)	0.01470 dB						0 Hz		
4 F 5	1 1	2.878 ms	12.91 dBm						X Axis S	cale	
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ept SA	Innut PE	T	Man: 30 dB PM	In East	Aun Tyr	e Vol	lano	122456		Frequenc	· '
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	Algit Auto	Flog Not. III (5)	Si	g Track: Of	f			PNNNN	Span		
Spectrum	•	Ref	Lvi Offset 11.80 di	в		Δ	Mkr3	4.104 ms	0.0000	000 Hz	
ale/Div 10 c	B	Ref	Level 30.00 dBm	_				1.43 dB	Sw Zer	ept Span o Span	
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mer 5.2500 s BW 8 MHz	LOUUU GHZ	#\	IGEO BW 8.0 MHz			Swee	p 20.0 m	span 0 Hz (10001 pts)	CF Step		
Marker Table	•								8.0000	00 MHz	
Mode	Trace Scale	X	Y Fu	inction	Function W	idth	Fund	tion Value	Aut Ma	D 1	
1 <u>Δ2</u> 2 F	1 t 1 t	(Δ) 4.050 ms (Δ) 3.102 ms	5.258 dB 9.289 dBm						Freq Off	set	
3 <u>∆</u> 4 4 F	1 t 1 t	(Δ) 4.104 ms (Δ) 3.102 ms	1.434 dB 9.289 dBm						0 Hz		
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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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9.5 **Output Power Measurement Result**

9.5.1 FCC Output power

Mode: CDD

802.11a_4TX

CU	Frequency	Data		Avg. POW	/ER (dBm)				REQUIRED	DECULT
СН	(MHz)	Rate	Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)	RESULI
36	5180	6	22.90	24.94	23.01	22.35	29.44	879.05	30	PASS
44	5220	6	23.90	23.50	23.65	23.43	29.65	921.80	30	PASS
48	5240	6	24.01	23.74	23.82	23.60	29.82	958.87	30	PASS
52	5260	6	17.20	16.60	16.50	16.64	22.77	189.08	23.98	PASS
60	5300	6	16.82	16.61	17.22	16.33	22.78	189.66	23.98	PASS
64	5320	6	16.29	15.89	16.34	15.71	22.09	161.74	23.98	PASS
100	5500	6	16.42	16.49	16.55	15.97	22.39	173.22	23.98	PASS
116	5580	6	16.50	16.66	16.51	16.10	22.47	176.60	23.98	PASS
140	5700	6	16.39	16.68	16.47	16.08	22.43	175.10	23.98	PASS
144	5720(U-NII 2C)	6	15.73	15.25	15.63	15.29	21.50	141.26	23.98	PASS
144	5720 (U-NII 3)	6	10.69	12.21	11.58	10.46	17.31	53.85	30	PASS
149	5745	6	23.09	23.73	23.66	23.59	29.55	901.00	30	PASS
157	5785	6	23.44	23.71	23.45	23.64	29.58	908.69	30	PASS
165	5825	6	23.46	24.16	23.95	22.93	29.67	927.51	30	PASS
802.11n HT20 4	тх								•	
	-	Dete		Avg. POV	/FR (dBm)		TOTAL	TOTAL	REQUIRED	
СН	Frequency (MHz)	Data	01.0		<u> </u>		POWER	POWER	LIMIT	RESULT
	(1112)	Nuic	Chū	Cn1	Cn2	Cn3	(dBm)	(mW)	(dBm)	
36	5180	MCS0	23.90	23.64	23.68	23.48	29.70	933.70	30	PASS
44	5220	MCS0	24.23	23.31	23.68	23.24	29.66	924.17	30	PASS
48	5240	MCS0	24.29	23.46	23.77	23.42	29.77	949.22	30	PASS
52	5260	MCSO	17.24	16.67	16.64	16.67	22.83	192.06	23.98	PASS
60	5300	MCSO	16.80	16.61	17.22	16.43	22.79	190.26	23.98	PASS
64	5320	MCSU	16.68	16.53	17.27	16.31	22.73	187.53	23.98	PASS
100	5500	MCSU	16.27	16.24	16.55	16.08	22.31	170.33	23.98	PASS
116	5580	MCSU	16.90	16.54	16.79	15.81	22.55	180.08	23.98	PASS
140	5700	MCSO	16.38	16.62	16.41	16.15	22.42	174.49	23.98	PASS
144	5720(U-NII 2C)	MCSO	15.31	14.89	15.35	15.25	21.23	132.63	23.98	PASS
144	5720 (U-INII 3)	MCSO	11.20	00.75	11.91	10.10	17.37	000.25	30	PASS
149	5745	MCSO	23.09	23.75	23.02	23.59	29.04	900.35	30	PASS
157	5785	MCSO	23.44	23.79	23.48	23.62	29.61	913.93	30	PASS
	3620 TV	INC30	23.78	24.20	24.14	23.37	29.91	979.37	30	PASS
002.1111_H140_4							TOTAL	TOTAL	DEOLUDED	
СН	Frequency	Data		Avg. POW	/ER (dBm)			POWER		RESULT
011	(MHz)	Rate	Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)	RECOL
38	5190	MCS0	21.90	21.53	21 27	21.08	27.48	559.80	30	PASS
46	5230	MCS0	24.03	23.87	23.78	23.74	29.88	972.92	30	PASS
54	5270	MCS0	17.95	17 78	17.91	18 15	23.97	249.68	23.98	PASS
62	5310	MCS0	17.15	17.24	17.64	16.10	23.21	209.56	23.98	PASS
102	5510	MCS0	17.10	17.63	18.04	17 17	23.71	234 76	23.98	PASS
110	5550	MCS0	17.88	17.96	18 10	17.05	23 79	239.36	23.98	PASS
134	5670	MCS0	17.47	18.06	17.75	18.21	23.91	245.82	23.98	PASS
142	5710(U-NII 2C)	MCS0	17.12	16.16	17.41	16.84	22.93	196.17	23.98	PASS
142	5710 (U-NII 3)	MCS0	8.54	11.13	8.29	7.59	15.13	32.60	30	PASS
151	5755	MCS0	23.27	23.76	24.23	23.64	29.76	946.88	30	PASS
159	5795	MCS0	23.58	23.85	23.67	23.87	29.77	948.10	30	PASS

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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802.11ac VHT80 4TX

_	Erequency		Data	Avg. POWER (dBm)				TOTAL	TOTAL	REQUIRED	
СН	(MHz)		Rate	Ch0	Ch1	Ch2	Ch3	POWER (dBm)	POWER (mW)	LIMIT (dBm)	RESULT
42	5210		MCS0	20.99	19.85	20.59	20.13	26.44	440.13	30	PASS
58	5290		MCS0	16.92	18.51	16.83	16.63	23.32	214.55	23.98	PASS
106	5530		MCS0	17.94	17.78	18.22	17.18	23.82	241.01	23.98	PASS
122	5610		MCS0	17.73	18.39	18.27	17.06	23.92	246.46	23.98	PASS
138	5690(U-NII 2C)		MCS0	17.38	18.06	17.46	17.69	23.68	233.12	23.98	PASS
138	5690 (U-NII 3)		MCS0	5.15	5.65	5.06	5.36	11.33	13.59	30	PASS
155	5775		MCS0	22.91	23.41	23.13	22.96	29.13	818.62	30	PASS
802.11ac_VHT16	50_4TX									•	
сн	Frequency		Data		Avg. POW	/ER (dBm)		TOTAL POWER	TOTAL POWER	REQUIRED LIMIT	RESULT
	(MHZ)		Rale	Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)	
50	5250		MCS0	17.91	18.27	18.12	16.88	23.85	242.75	23.98	PASS
114	5570		MCS0	18.03	18.26	18.14	17.30	23.97	249.58	23.98	PASS
802.11be_EHT20	0_4TX	I									
сн	Frequency (MHz)	Data Rate	RU config.	01-0	Avg. POW	/ER (dBm)	01-0	TOTAL POWER	TOTAL POWER	REQUIRED LIMIT	RESULT
	(Chu	Ch1	Cn2	Ch3	(dBm)	(mW)	(dBm)	
36	5180	MCS0	full	24.21	22.71	24.22	23.35	29.69	931.61	30	PASS
44	5220	MCS0	full	24.14	23.32	23.78	23.49	29.72	937.18	30	PASS
48	5240	MCS0	full	24.18	23.44	23.74	23.47	29.74	942.38	30	PASS
52	5260	MCS0	full	17.34	16.89	16.96	17.04	23.08	203.20	23.98	PASS
60	5300	MCS0	full	17.19	16.93	17.27	16.64	23.03	201.04	23.98	PASS
64	5320	MCS0	full	17.53	16.91	17.90	16.91	23.36	216.66	23.98	PASS
100	5500	MCS0	full	16.47	16.58	16.88	16.51	22.64	183.55	23.98	PASS
116	5580	MCS0	full	17.23	16.87	16.98	16.16	22.85	192.85	23.98	PASS
140	5700	MCS0	full	16.68	17.06	16.54	16.80	22.80	190.49	23.98	PASS
144	5720	MCS0	full	14.80	14.86	15.56	15.16	21.13	129.70	23.98	PASS
144	5720 (U-NII 3)	MCS0	full	10.39	11.58	11.22	10.31	16.93	49.31	30	PASS
149	5745	MCS0	full	23.59	23.50	24.17	23.86	29.81	957 72	30	PASS
157	5785	MCS0	full	23.40	23.80	23.72	23.69	29.68	928.88	30	PASS
165	5825	MCSO	full	23.63	24.00	24.28	23.84	29.00	002 77	30	PASS
100	0020	10000	Tall	20.00	24.00	24.20	20.04	20.01	552.11	50	17,00
802 11be EHT40	1 4TX										
802.11be_EHT40	0_4TX				A			TOTAL	τοται	REQUIRED	
802.11be_EHT40	-4TX Frequency	Data	RU config.		Avg. POW	/ER (dBm)		TOTAL POWER	TOTAL POWER	REQUIRED LIMIT	RESULT
802.11be_EHT40)_4TX Frequency (MHz)	Data Rate	RU config.	Ch0	Avg. POW Ch1	/ER (dBm) Ch2	Ch3	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
802.11be_EHT40	D_4TX Frequency (MHz) 5190	Data Rate MCS0	RU config.	Ch0 21.24	Avg. POW Ch1 19.93	/ER (dBm) Ch2 21.02	Ch3 20.36	TOTAL POWER (dBm) 26.69	TOTAL POWER (mW) 466.32	REQUIRED LIMIT (dBm) 30	RESULT
802.11be_EHT40	2_4TX Frequency (MHz) 5190 5230	Data Rate MCS0 MCS0	RU config. full full	Ch0 21.24 24.34	Avg. POW Ch1 19.93 24.07	/ER (dBm) Ch2 21.02 24.15	Ch3 20.36 23.14	TOTAL POWER (dBm) 26.69 29.97	TOTAL POWER (mW) 466.32 992.47	REQUIRED LIMIT (dBm) 30 30	RESULT PASS PASS
802.11be_EHT40 CH 38 46 54	2_4TX Frequency (MHz) 5190 5230 5270	Data Rate MCS0 MCS0 MCS0	RU config. full full full	Ch0 21.24 24.34 17.78	Avg. POW Ch1 19.93 24.07 18.06	/ER (dBm) Ch2 21.02 24.15 18.11	Ch3 20.36 23.14 17.79	TOTAL POWER (dBm) 26.69 29.97 23.96	TOTAL POWER (mW) 466.32 992.47 248.65	REQUIRED LIMIT (dBm) 30 30 23.98	RESULT PASS PASS PASS
802.11be_EHT40 CH 38 46 54 62	2_4TX Frequency (MHz) 5190 5230 5270 5310	Data Rate MCS0 MCS0 MCS0 MCS0	RU config. full full full full	Ch0 21.24 24.34 17.78 17.09	Avg. POW Ch1 19.93 24.07 18.06 17.64	/ER (dBm) Ch2 21.02 24.15 18.11 17.92	Ch3 20.36 23.14 17.79 17.21	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50	TOTAL POWER (mW) 466.32 992.47 248.65 223.67	REQUIRED LIMIT (dBm) 30 30 23.98 23.98	RESULT PASS PASS PASS PASS
802.11be_EHT40 CH 38 46 54 62 102	2_4TX Frequency (MHz) 5190 5230 5270 5310 5510	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full full full full full	Ch0 21.24 24.34 17.78 17.09 17.30	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36	/ER (dBm) Ch2 21.02 24.15 18.11 17.92 17.88	Ch3 20.36 23.14 17.79 17.21 17.39	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98	RESULT PASS PASS PASS PASS PASS
802.11be_EHT40 CH 388 46 54 62 102 110	D_4TX Frequency (MHz) 5190 5230 5270 5310 5510 5550	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full full full full full full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12	/ER (dBm) Ch2 24.15 18.11 17.92 17.88 17.87	Ch3 20.36 23.14 17.79 17.21 17.39 17.16	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98	RESULT PASS PASS PASS PASS PASS PASS
802.11be_EHT40 CH 38 46 54 62 102 110 134	D_4TX Frequency (MHz) 5190 5230 5270 5310 5510 5550 5670	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full full full full full full full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01	/ER (dBm) Ch2 24.15 18.11 17.92 17.88 17.87 17.82	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 224.24 224.24	REQUIRED LIMIT (dBm) 30 23.98 23.98 23.98 23.98 23.98 23.98	RESULT PASS PASS PASS PASS PASS PASS PASS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142	Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C)	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full full full full full full full full full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77	/ER (dBm) Ch2 24.15 18.11 17.92 17.88 17.87 17.82 17.57	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 224.24 224.24 224.13 208.04	REQUIRED LIMIT (dBm) 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142	Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710 (U-NII 3)	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full full full full full full full ful	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63	/ER (dBm) Ch2 21.02 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 224.24 224.24 247.13 208.04 37.36	REQUIRED LIMIT (dBm) 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 30	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 151	Jackson Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710(U-NII 3) 5755 5755	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full full full full full full full full full full full full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11	/ER (dBm) Ch2 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 224.24 247.13 208.04 37.36 997.28	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98 30 30	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 142 151 159	Jatx Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710 (U-NII 3) 5755 5795	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full full full full full full full full full full full full full full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.75	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67	/ER (dBm) Ch2 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 224.24 247.13 208.04 37.36 997.28 948.75	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 142 151 159 802.11be_EHT80	2_4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710 (U-NII 3) 5755 5795 2_4TX	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	Full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67	/ER (dBm) Ch2 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 224.24 247.13 208.04 37.36 997.28 948.75	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 3.08 3.98 3.98 3.98 3.98 3.0 30 30 30 30 30 30	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 151 159 802.11be_EHT80	2_4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710 (U-NII 3) 5755 5795 2_4TX	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full full full full full full full full full full full full full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.75	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67	/ER (dBm) Ch2 24.15 18.11 17.92 17.88 17.87 17.82 17.82 17.57 9.71 24.07 23.88 ///////////////////////////////////	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77 TOTAL	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 224.24 247.13 208.04 37.36 997.28 948.75 TOTAL	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 3.0 30 30 30 30 30 30 30 30 30 30 30	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 151 159 802.11be_EHT80 CH	4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710 (U-NII 3) 5755 5795 4TX Frequency	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	FU config. full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.75	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67 Avg. POW	/ER (dBm) Ch2 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88 /ER (dBm)	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77 TOTAL POWER	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 247.13 208.04 37.36 997.28 948.75 TOTAL POWER	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30 30 30 30 30 30 30 30 JURIT	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 151 159 802.11be_EHT80 CH	2_4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710 (U-NII 3) 5755 5795 5795 5795 5795 5795 5795 5795	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	FU config. full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.75 Ch0	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67 Avg. POW Ch1	/ER (dBm) Ch2 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88 /ER (dBm) Ch2	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71 Ch3	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77 TOTAL POWER (dBm)	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 247.13 208.04 37.36 997.28 948.75 TOTAL POWER (mW)	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30 30 30	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 151 159 802.11be_EHT80 CH 42	9_4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710 (U-NII 3) 5755 5795 9_4TX Frequency (MHz) 5210	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full RU config.	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.75 Ch0 21.29	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67 Avg. POW Ch1 20.12	/ER (dBm) Ch2 21.02 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88 /ER (dBm) Ch2 20.81	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71 Ch3 20.32	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77 TOTAL POWER (dBm) 26.68	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 247.13 208.04 37.36 997.28 948.75 TOTAL POWER (mW) 465.29	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 30	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 151 159 802.11be_EHT80 CH 42 58	4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710 (U-NII 3) 5755 5795 4TX Frequency (MHz) 5210 5290	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.74 23.75 Ch0 21.29 17.64	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67 Avg. POW Ch1 20.12 19.03	/ER (dBm) Ch2 21.02 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88 /ER (dBm) Ch2 20.81 17.35	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71 Ch3 20.32 17.06	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77 TOTAL POWER (dBm) 26.68 23.86	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 224.24 224.24 247.13 208.04 37.36 997.28 948.75 TOTAL POWER (mW) 465.29 243.07	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 30	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 151 59 802.11be_EHT80 CH 42 58 106	4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710 (U-NII 3) 5755 5795 4TX Frequency (MHz) 5210 5210 5210 5210 5230	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.75 Ch0 21.29 17.64 17.78	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67 Avg. POW Ch1 20.12 19.03 17.46	/ER (dBm) Ch2 21.02 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88 /ER (dBm) Ch2 20.81 17.35 18.18	Ch3 20.36 23.14 17.79 17.21 17.30 17.16 18.43 17.45 8.72 23.95 23.71 Ch3 20.32 17.06 17.70	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77 TOTAL POWER (dBm) 26.68 23.86 23.81	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 224.24 247.13 208.04 37.36 997.28 997.28 997.28 948.75 TOTAL POWER (mW) 465.29 243.07 240.22	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30 30 30 30 30 30 23.98 23.98 23.98	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 151 159 802.11be_EHT80 CH 42 58 106 122	4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710 (U-NII 3) 5755 5795 5210 5210 5310 5755 5795 5210 5210 5210 5230 5530 5610	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.75 Ch0 21.29 17.64 17.78 17.33	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67 Avg. POW Ch1 20.12 19.03 17.46 18.09	/ER (dBm) Ch2 21.02 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88 /ER (dBm) Ch2 20.81 17.35 18.18 17.93	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71 Ch3 20.32 17.06 17.70 17.21	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77 TOTAL POWER (dBm) 26.68 23.86 23.86 23.81 23.67	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 224.24 247.13 208.04 37.36 997.28 997.28 997.28 997.28 948.75 TOTAL POWER (mW) 465.29 243.07 240.22 233.06	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30 REQUIRED LIMIT (dBm) 30 23.98 23.98 23.98	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 151 159 802.11be_EHT80 CH 42 58 106 122 138	4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710(U-NII 2C) 5775 5795 54TX Frequency (MHz) 5210 5530 5610 5690	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.75 Ch0 21.29 17.64 17.78 17.78 17.78 17.03 17.02	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67 Avg. POW Ch1 20.12 19.03 17.46 18.09 17.56	/ER (dBm) Ch2 21.02 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88 /ER (dBm) Ch2 20.81 17.35 18.18 17.93 17.14	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71 Ch3 20.32 17.06 17.70 17.21 17.83	TOTAL POWER (dBm) 26.69 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77 TOTAL POWER (dBm) 26.68 23.86 23.86 23.81 23.67 23.42	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 224.24 247.13 208.04 37.36 997.28 948.75 TOTAL POWER (mW) 465.29 243.07 240.22 233.06 219.78	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30 30 REQUIRED LIMIT (dBm) 30 23.98 23.98 23.98	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 151 159 802.11be_EHT80 CH 42 58 106 122 138 138	4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710 (U-NII 3) 5755 5795 5210 5210 5530 5210 5220 5530 5610 5690 5690 (U-NII 3)	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.75 Ch0 21.29 17.64 17.78 17.33 17.02 5.13	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67 Avg. POW Ch1 20.12 19.03 17.46 18.09 17.56 7.52	/ER (dBm) Ch2 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88 /ER (dBm) Ch2 20.81 17.35 18.18 17.35 18.18 17.93 17.14 5.32	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71 Ch3 20.32 17.06 17.70 17.21 17.83 5.96	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77 TOTAL POWER (dBm) 26.68 23.86 23.86 23.81 23.67 23.42 12.11	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 247.13 208.04 37.36 997.28 948.75 TOTAL POWER (mW) 465.29 243.07 240.22 233.06 219.78 16.26	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30 30 30 30 30 23.98 30 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 151 159 802.11be_EHT80 CH 42 58 106 122 138 138 155	4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710(U-NII 2C) 5710(U-NII 2C) 5710(U-NII 3) 5755 5795 0 5210 5220 5530 5690 5690 5690 5690 5690 5690 5690 5690 5690 5690 5690 5690 5690	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full full /full full full full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.75 Ch0 21.29 17.64 17.78 17.33 17.02 5.13 21.90	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67 Avg. POW Ch1 20.12 19.03 17.46 18.09 17.56 7.52 21.99	/ER (dBm) Ch2 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88 /ER (dBm) Ch2 20.81 17.35 18.18 17.93 17.14 5.32 22.30	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71 Ch3 20.32 17.06 17.70 17.21 17.83 5.96 22.36	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.33 23.18 15.72 29.99 29.77 TOTAL POWER (dBm) 26.68 23.86 23.86 23.81 23.67 23.42 12.11 28.16	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 247.13 208.04 37.36 997.28 948.75 TOTAL POWER (mW) 465.29 243.07 240.22 243.06 219.78 16.26 654.67	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30 30 30 30 30 30 23.98 30 30 23.98 23.98 23.98 23.98 30 23.98 23.98 23.98 30 30 23.98 23.98 23.98 30 30 30 30 30 30 30 30 30 30 30	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 151 159 802.11be_EHT80 CH 42 58 106 122 138 138 155 802.11be_EHT16	2_4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710 (U-NII 3) 5755 5795 5795 5795 5795 5795 5795 5795 5210 5210 5290 5530 5610 5690 5690 (U-NII 3) 5775 50_4TX	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.75 Ch0 21.29 17.64 17.78 17.63 17.02 5.13 21.90	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67 Avg. POW Ch1 20.12 19.03 17.46 18.09 17.56 7.52 21.99	/ER (dBm) Ch2 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88 /ER (dBm) Ch2 20.81 17.35 18.18 17.93 17.14 5.32 22.30	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71 23.71 23.71 20.32 17.06 17.70 17.21 17.83 5.96 22.36	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77 TOTAL POWER (dBm) 26.68 23.86 23.81 23.67 23.42 12.11 28.16	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 247.13 208.04 37.36 997.28 948.75 TOTAL POWER (mW) 465.29 243.07 240.22 233.06 219.78 16.26 654.67	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30 30 30 30 30 30 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30 30 30 30 30	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 151 159 802.11be_EHT80 CH 42 58 106 122 138 138 155 802.11be_EHT10 CH	4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710(U-NII 2C) 5710(U-NII 3) 5755 5795 4TX Frequency (MHz) 5210 5230 5610 5690 5690 (U-NII 3) 5775 50_4TX Frequency Frequency 5210 5290 5530 5610 5690 (U-NII 3) 5775 50_4TX	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full full full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.74 23.75 Ch0 21.29 17.64 17.78 17.33 17.02 5.13 21.90	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67 Avg. POW Ch1 20.12 19.03 17.46 18.09 17.56 7.52 21.99 Avg. POW	/ER (dBm) Ch2 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88 /ER (dBm) Ch2 20.81 17.35 18.18 17.93 17.14 5.32 22.30 /ER (dBm)	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71 Ch3 20.32 17.06 17.70 17.21 17.83 5.96 22.36	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77 TOTAL POWER (dBm) 26.68 23.86 23.81 23.67 23.42 12.11 28.16	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 247.13 208.04 37.36 997.28 948.75 TOTAL POWER (mW) 465.29 243.07 240.22 233.06 219.78 16.26 654.67 TOTAL POWER	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30 30 30 30 30 30 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30 30 30 30 30 30 30 30 30 30	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 142 151 159 802.11be_EHT80 CH 42 58 106 122 138 138 155 802.11be_EHT16 CH	2_4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710(U-NII 3) 5755 5795 2_4TX Frequency (MHz) 5210 5290 5530 5610 5690 (U-NII 3) 5775 530 5610 5690 5690 (U-NII 3) 5775 5690 5690 5690 5775 5690 5690 5690 5775 5775 50 4TX Frequency (MHz)	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full	Ch0 21.24 24.34 17.78 17.09 17.30 17.48 17.31 16.79 9.54 23.74 23.75 Ch0 21.29 17.64 17.78 17.33 17.02 5.13 21.90 Ch0	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67 Avg. POW Ch1 20.12 19.03 17.46 18.09 17.56 7.52 21.99 Avg. POW Ch1	/ER (dBm) Ch2 21.02 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88 /ER (dBm) Ch2 20.81 17.35 18.18 17.93 17.14 5.32 22.30 /ER (dBm) Ch2	Ch3 20.36 23.14 17.79 17.21 17.39 17.16 18.43 17.45 8.72 23.95 23.71 Ch3 20.32 17.06 17.70 17.21 17.83 5.96 22.36 Ch3	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77 TOTAL POWER (dBm) 26.68 23.86 23.81 23.67 23.42 12.11 28.16	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 224.24 247.13 208.04 37.36 997.28 948.75 TOTAL POWER (mW) 465.29 243.07 240.22 233.06 219.78 16.26 654.67 TOTAL POWER (mW)	REQUIRED LIMIT (dBm) 30 30 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30 30 30 30 30 30 30 23.98 23.98 23.98 23.98 23.98 30 <tr< td=""><td>RESULT PASS PASS PASS PASS PASS PASS PASS PAS</td></tr<>	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
802.11be_EHT40 CH 38 46 54 62 102 110 134 142 151 159 802.11be_EHT80 CH 42 58 106 122 138 138 155 802.11be_EHT10 CH 50	2_4TX Frequency (MHz) 5190 5230 5270 5310 5550 5670 5710(U-NII 2C) 5710 (U-NII 3) 5755 5795 2_4TX Frequency (MHz) 5210 5290 5530 5610 5690 5690 (U-NII 3) 5775 5690 5690 5690 (U-NII 3) 5775 5690 5690 (U-NII 3) 5775 5755 5755 5755 5755 5755 5755 5755 5755 5755 5755 5755 5755 5775 5755 5775 5755 5755 5755 5755 575	Data Rate MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0 MCS0	RU config. full	Ch0 21.24 24.34 17.78 17.09 17.30 17.30 17.30 17.48 17.31 16.79 9.54 23.74 23.74 23.75 Ch0 21.29 17.64 17.78 17.33 17.02 5.13 21.90 Ch0 17.52	Avg. POW Ch1 19.93 24.07 18.06 17.64 17.36 18.12 18.01 16.77 10.63 24.11 23.67 Avg. POW Ch1 20.12 19.03 17.46 18.09 17.56 7.52 21.99 Avg. POW Ch1 18.17	/ER (dBm) Ch2 21.02 24.15 18.11 17.92 17.88 17.87 17.82 17.57 9.71 24.07 23.88 /ER (dBm) Ch2 20.81 17.35 18.18 17.93 17.14 5.32 22.30 /ER (dBm) Ch2 17.95	Ch3 20.36 23.14 17.79 17.21 17.30 17.16 18.43 17.45 8.72 23.95 23.71 Ch3 20.32 17.06 17.70 17.21 17.83 5.96 22.36 Ch3 17.10	TOTAL POWER (dBm) 26.69 29.97 23.96 23.50 23.51 23.69 23.93 23.18 15.72 29.99 29.77 TOTAL POWER (dBm) 26.68 23.86 23.81 23.67 23.42 12.11 28.16 TOTAL POWER (dBm) 23.42	TOTAL POWER (mW) 466.32 992.47 248.65 223.67 224.24 224.24 247.13 208.04 37.36 997.28 948.75 TOTAL POWER (mW) 465.29 243.07 240.22 233.06 219.78 16.26 654.67 TOTAL POWER (mW)	REQUIRED LIMIT (dBm) 30 30 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 23.98 30 30 30 30 30 23.98 23.98 23.98 23.98 23.98 23.98 30 30 31 32.98 23.98 23.98 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 </td <td>RESULT PASS PASS PASS PASS PASS PASS PASS PAS</td>	RESULT PASS PASS PASS PASS PASS PASS PASS PAS

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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台灣檢驗科技股份有限公司

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Mode: Beamforming

802.11n_HT20_4TX

	Frequency	Data		Avg. POV	VER (dBm)		TOTAL	TOTAL	REQUIRED	
	(MHz)	Rate	Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)	RESULI
36	5180	MCS0	23.69	23.51	23.83	23.20	29.58	908.062	30	PASS
44	5220	MCS0	23.16	23.93	23.26	23.57	29.51	892.858	30	PASS
48	5240	MCS0	23.32	23.86	23.39	23.47	29.53	897.929	30	PASS
52	5260	MCS0	16.68	16.64	16.68	16.72	22.70	186.098	23.56	PASS
60	5300	MCS0	16.63	16.68	16.79	16.78	22.74	187.838	23.56	PASS
64	5320	MCS0	16.66	16.47	16.88	16.53	22.66	184.297	23.56	PASS
100	5500	MCS0	16.33	16.23	16.27	15.93	22.21	166.342	22.99	PASS
116	5580	MCS0	16.22	16.67	16.80	16.06	22.47	176.425	22.99	PASS
140	5700	MCS0	16.20	16.14	16.27	16.16	22.21	166.345	22,99	PASS
144	5720(LENIL2C)	MCS0	15.17	14.83	14.81	15.34	21.06	127 679	22.61	PASS
144	5720 (LLNII 3)	MCS0	11 11	11.80	11.36	10.01	17 19	52 328	29.7	PASS
1/0	5745	MCS0	23.13	23.81	22.68	23.60	20.34	850 816	20.7	PASS
149	5795	MCS0	23.10	23.01	22.00	23.00	29.54	903 796	20.7	
107	5765	MCS0	23.30	23.90	22.09	23.70	29.51	095.700	29.7	PASS
601	5825	WC30	23.30	24.07	22.99	23.33	29.47	885.717	29.7	PASS
802.11n_H140_4			1							
C 11	Frequency	Data		Avg. POV	VER (dBm)				REQUIRED	DECULT
СП	(MHz)	Rate	Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)	RESULI
38	5190	MCS0	21.21	21.95	21.34	21.12	27.44	554,170	30	PASS
46	5230	MCS0	23.62	24.00	23.56	23.80	29.77	947 863	30	PASS
54	5270	MCS0	17.60	16.47	17.99	17 71	23.50	223 795	23.56	PASS
62	5310	MCS0	16.85	17.03	17 29	16 31	22.90	195 149	23.56	PASS
102	5510	MCS0	16.56	16.97	17.01	16.86	22.87	193 757	22.00	PASS
110	5550	MCS0	17 10	16.81	16.91	16 70	22.01	195.054	22.00	PASS
134	5670	MCS0	17.10	16.90	16.82	16.66	22.00	195.696	22.00	PASS
1/2	5710(LLNII 2C)	MCS0	15.06	15.12	16.12	16.31	21.02	155.666	22.00	PASS
142	5710 (ULNII 20)	MCSO	7 29	10.12	7.00	7.07	1/ 11	25 786	22.33	
151	5765	MCS0	23.50	23.96	22.03	24.03	20.62	25.700	20.7	
151	5705	MCSO	23.30	23.00	22.93	24.03	29.02	910.030	29.7	FA00
159	5/95	INC30	23.00	23.09	23.10	23.94	29.03	917.396	29.7	PASS
802.11ac_VH180	<u>_41X</u>	[1				TOTAL	TOTAL	DEGUIDED	
CH	Frequency	Data		Avg. POV	VER (dBm)				REQUIRED	DECULT
СП	(MHz)	Rate	Ch0	Ch1	Ch2	Ch3	(dBm)		(dBm)	RESULI
42	5210	MCSO	20.69	20.08	20.48	20.19	26.38	434 844	30	PASS
58	5290	MCS0	17.14	17.27	17.63	16.64	23.20	208.980	23.56	PASS
106	5530	MCS0	16.98	16.77	16.58	17.08	22.87	193.796	22.99	PASS
122	5610	MCS0	16.71	16.88	17.14	16.29	22.78	189.816	22.99	PASS
138	5690(U-NII 2C)	MCS0	16.88	15.99	16.06	16.46	22.39	173.186	22.99	PASS
138	5690 (U-NII 3)	MCS0	4.66	3.58	3.66	4.14	10.05	10.119	29.7	PASS
155	5775	MCS0	22.91	23.39	22.39	23.23	29.01	796.745	29.7	PASS
802.11ac_VHT16	60_4TX									
	Frequency	Data		Avg. POV	VER (dBm)		TOTAL	TOTAL	REQUIRED	
СН	(MHz)	Rate	0-0	014	01-0	0-0	POWER	POWER	LIMIT	RESULT
	,,		Cnu	CN1	Cn2	CIIS	(dBm)	(mW)	(dBm)	
50	5250	MCS0	17.58	17.55	18.04	16.45	23.47	222.170	23.56	PASS
114	55/0	MCSO	1/04	16.51	1644	1/32	22.87	193.507	22244	PASS

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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СН	Frequency	Data	PLL config		Avg. POV	VER (dBm)					PESIIIT
Ch	(MHz)	Rate	Ku conng.	Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)	RESULT
36	5180	MCS0	full	23.50	24.04	23.37	23.58	29.65	923.388	30	PASS
44	5220	MCS0	full	23.58	24.17	23.34	23.54	29.69	931.673	30	PASS
48	5240	MCS0	full	23.38	24.28	23.29	23.72	29.71	935.205	30	PASS
52	5260	MCS0	full	17.18	17.04	17.12	16.58	23.01	199.995	23.56	PASS
60	5300	MCS0	full	17.14	17.11	16.69	16.27	22.84	192.341	23.56	PASS
64	5320	MCS0	full	16.99	17.23	17.15	16.43	22.98	198.833	23.56	PASS
100	5500	MCS0	full	16.64	16.70	16.74	16.13	22.58	181.269	23.56	PASS
116	5580	MCS0	full	16.23	16.94	16.69	15.55	22.41	174.097	23.56	PASS
140	5700	MCS0	full	16.43	16.53	16.58	16.23	22.47	176.540	23.56	PASS
144	5720	MCS0	full	15.29	14.95	15.06	15.01	21.10	128,900	22.72	PASS
144	5720 (U-NII 3)	MCS0	full	10.88	11.67	10.72	10.16	16.91	49.106	29.7	PASS
149	5745	MCS0	full	23.01	23.70	23.40	23.44	29.42	874.647	29.7	PASS
157	5785	MCS0	full	23.29	23.59	23.32	23.64	29.49	888.526	29.7	PASS
165	5825	MCS0	full	23.32	23.47	24.08	22.91	29.49	889.079	29.7	PASS
802 11be EHT/											
002.11be_EIII4								TOTAL	TOTAL		
сн	Frequency	Data	PU config		Avg. POV	VER (dBm)		POWER	POWER		PESULT
on	(MHz)	Rate	No comg.	Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)	REGOLI
38	5190	MCS0	full	20.23	21.09	20.44	20.59	26.62	459 695	30	PASS
46	5230	MCS0	full	23.77	24.02	23.97	23.49	20.02	964 475	30	PASS
54	5270	MCS0	full	17.33	17.26	17.63	17 44	23.44	220,939	23.56	PASS
62	5310	MCS0	full	17.24	17.52	17.58	16.64	23.29	213.110	23.56	PASS
102	5510	MCS0	full	16.84	16.77	16.99	17.03	22.93	196.529	22.99	PASS
110	5550	MCS0	full	16.82	17.05	16.65	16.98	22.90	196.529	22.99	PASS
134	5670	MCS0	full	16.66	16.29	16.55	16.44	22.51	178.345	22.99	PASS
142	5710(U-NII 2C)	MCS0	full	16.25	16.28	16.12	16.08	22.20	166.013	22.99	PASS
142	5710 (U-NII 3)	MCS0	full	9.00	10.14	8.26	7.35	14.83	30.387	29.7	PASS
151	5755	MCS0	full	23.30	23.73	23.49	23.79	29.61	913.554	29.7	PASS
159	5795	MCS0	full	23.39	23.59	23.39	23.65	29.53	897.849	29.7	PASS
802.11be_EHT8	30_4TX										
		Dete			Ava. POV	VER (dBm)		TOTAL	TOTAL	REQUIRED	
СН	Frequency	Data	RU config.			()	r	POWER	POWER	LIMIT	RESULT
		Rate		Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)	
42	5210	MCS0	full	21.08	20.57	20.61	20.32	26.67	464.593	30	PASS
58	5290	MCS0	full	17.11	17.45	16.67	16.42	22.95	197.133	23.56	PASS
106	5530	MCS0	full	16.66	17.08	17.11	16.92	22.96	197.837	22.99	PASS
122	5610	MCS0	full	16.52	17.26	16.56	16.80	22.81	191.077	22.99	PASS
138	5690	MCS0	full	16.13	16.64	16.76	16.43	22.52	178.546	22.99	PASS
138	5690 (U-NII 3)	MCS0	full	4.25	6.60	4.93	4.56	11.21	13.208	29.7	PASS
155	5775	MCS0	full	21.73	22.07	21.42	21.96	27.82	605.203	29.7	PASS
802.11be_EHT1	60_4TX										
	Frequency	Data			Avg. POV	VER (dBm)		TOTAL	TOTAL	REQUIRED	
СН	(MH ₇)	Pate	RU config.		-			POWER	POWER	LIMIT	RESULT
	(11172)	Nale		Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)	
50	5250	MCS0	full	17.50	17.24	17.39	17.78	23.50	223.988	23.56	PASS
114	5570	MCS0	full	16.91	17.05	16.76	17.01	22.95	197.431	23.56	PASS

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Spot Check Mode: CDD

802.11a_4TX

CH Frequency Data				Avg. POV	/ER (dBm)		TOTAL	TOTAL	REQUIRED	
СН	(MHz)	Rate	Ch0	Ch1	Ch2	Ch3	POWER (dBm)	POWER (mW)	LIMIT (dBm)	RESULT
36	5180	6	23.53	23.51	23.21	23.25	29.40	870.970	30	PASS
44	5220	6	23.19	24.08	23.22	23.72	29.59	910.122	30	PASS
48	5240	6	23.28	23.96	23.37	24.19	29.74	941.821	30	PASS
52	5260	6	16.53	16.80	16.48	16.92	22.71	186.593	23.98	PASS
60	5300	6	16.67	16.91	16.62	16.73	22.76	188.646	23.98	PASS
64	5320	6	15.99	16.09	16.14	15.98	22.07	161.180	23.98	PASS
100	5500	6	16.58	16.36	16.11	16.24	22.35	171.733	23.98	PASS
116	5580	6	16.61	16.41	16.28	16.27	22.42	174.472	23.98	PASS
140	5700	6	16.21	16.38	16.30	16.62	22.40	173.891	23.98	PASS
144	5720(U-NII 2C)	6	-1.35	-1.80	-0.33	-1.31	4.86	3.060	23.98	PASS
144	5720 (U-NII 3)	6	-6.39	-4.84	-4.38	-6.14	0.66	1.165	30	PASS
149	5745	6	23.51	23.55	23.51	23.44	29.53	896.450	30	PASS
157	5785	6	23.71	23.60	23.26	23.49	29.54	899.654	30	PASS
165	5825	6	23.94	23.33	23.40	23.82	29.65	923.208	30	PASS

802.11n_HT20_4TX

	Frequency	Avg. POWER (dBm)				TOTAL	TOTAL	REQUIRED		
СН	(MHz)	Rate	Ch0	Ch1	Ch2	Ch3	POWER (dBm)	POWER (mW)	LIMIT (dBm)	RESULT
36	5180	MCS0	23.77	23.78	23.48	23.51	29.66	925.043	30	PASS
44	5220	MCS0	23.28	23.83	23.45	23.84	29.63	918.565	30	PASS
48	5240	MCS0	23.34	24.16	23.33	23.96	29.74	941.366	30	PASS
52	5260	MCS0	16.61	16.93	16.76	16.83	22.81	190.915	23.98	PASS
60	5300	MCS0	16.77	16.83	16.67	16.73	22.77	189.441	23.98	PASS
64	5320	MCS0	16.61	16.71	16.72	16.62	22.69	185.765	23.98	PASS
100	5500	MCS0	16.27	16.53	16.03	16.21	22.29	169.358	23.98	PASS
116	5580	MCS0	16.63	16.61	16.38	16.44	22.54	179.501	23.98	PASS
140	5700	MCS0	16.15	16.39	16.59	16.33	22.39	173.468	23.98	PASS
144	5720(U-NII 2C)	MCS0	-1.64	-1.83	-0.54	-1.28	4.73	2.971	23.98	PASS
144	5720 (U-NII 3)	MCS0	-5.69	-4.86	-3.98	-6.37	0.89	1.227	30	PASS
149	5745	MCS0	23.44	23.69	23.27	23.46	29.49	889.596	30	PASS
157	5785	MCS0	23.63	23.67	23.40	23.47	29.57	905.372	30	PASS
165	5825	MCS0	24.04	24.06	23.73	23.44	29.85	965.878	30	PASS

802.11n HT40 4TX

СН	Frequency	Data		Avg. POV	/ER (dBm)					RESULT
СП	(MHz)	Rate	Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)	RESULT
38	5190	MCS0	21.32	21.59	21.38	21.48	27.47	558.221	30	PASS
46	5230	MCS0	23.36	24.03	23.76	24.15	29.86	968.236	30	PASS
54	5270	MCS0	17.73	18.08	17.93	17.98	23.96	248.669	23.98	PASS
62	5310	MCS0	17.11	17.37	17.28	16.91	23.20	208.707	23.98	PASS
102	5510	MCS0	17.71	17.89	17.52	17.52	23.69	233.727	23.98	PASS
110	5550	MCS0	17.61	17.93	17.57	17.79	23.75	237.234	23.98	PASS
134	5670	MCS0	17.93	17.78	17.56	17.98	23.84	242.097	23.98	PASS
142	5710(U-NII 2C)	MCS0	-0.76	-1.26	0.58	-0.59	5.57	3.603	23.98	PASS
142	5710 (U-NII 3)	MCS0	-9.34	-6.29	-8.54	-9.84	-2.25	0.595	30	PASS
151	5755	MCS0	23.76	23.83	23.57	23.70	29.74	941.976	30	PASS
159	5795	MCS0	23.95	23.86	23.36	23.71	29.75	944.082	30	PASS

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802.11ac_VHT80_4TX

	Frequency		Data		Avg. POV	VER (dBm)		TOTAL	TOTAL	REQUIRED	DECULT			
СН	(MHz)		Rate	Ch0	Ch1	Ch2	Ch3	(dBm)	POWER (mW)	(dBm)	RESULT			
42	5210		MCS0	20.00	20.61	20.28	20.51	26.38	434.544	30	PASS			
58	5290		MCS0		17.28	17.42	17.18	23.26	211.654	23.98	PASS			
106	5530		MCS0	17.88	18.04	17.54	17.52	23.77	238.492	23.98	PASS			
122	5610		MCS0	17.94	18.18	17.71	17.64	23.90	245.286	23.98	PASS			
138	5690(U-NII 2C)		MCS0	-0.44	-0.31	0.85	-0.34	5.99	3.975	23.98	PASS			
138	5690 (U-NII 3)		MCS0	-12.67	-12.72	-11.55	-12.67	-6.35	0.232	30	PASS			
155	5775		MCS0	23.10	23.27	22.97	22.86	29.08	808.487	30	PASS			
802.11ac_VHT160_4TX														
	Eroguopou		Dete		Avg. POV	VER (dBm)		TOTAL	TOTAL	REQUIRED				
СН	(MU-)		Dala		Г	、 <i>,</i>		POWER	POWER	LIMIT	RESULT			
(WHZ)		Rate	Ch0	Ch1	Ch2 Ch3		(dBm)	(mW)	(dBm)					
50	5250		MCS0		18.15	17.57	17.80	23.81	240.710	23.98	PASS			
114	5570		MCS0		18.24	17.57	17.54	23.91	246.084	23.98	PASS			
802.11be EHT20 4TX														
	Fraguanay	Data			Avg. POV	VER (dBm)		TOTAL	TOTAL	REQUIRED				
СН	(ML-)	RU config.			J -	(·)		POWER	POWER	LIMIT	RESULT			
		Rale		Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)				
36	5180	MCS0	full	23.92	23.62	23.64	23.47	29.68	929.324	30	PASS			
44	5220	MCS0	full	23.22	24.20	23.46	23.82	29.71	934.764	30	PASS			
48	5240	MCS0	full	23.39	24.30	23.24	23.84	29.73	939.420	30	PASS			
52	5260	MCS0	full	16.92	16.78	16.99	17.07	22.96	197.579	23.98	PASS			
60	5300	MCS0	full	16.96	17.04	17.03	16.97	23.02	200.274	23.98	PASS			
64	5320	MCS0	full	17.32	17.48	17.30	17.08	23.31	214.459	23.98	PASS			
100	5500	MCS0	full	16.74	16.70	16.41	16.49	22.60	182.109	23.98	PASS			
116	5580	MCS0	full	17.12	16.77	16.83	16.53	22.83	192.030	23.98	PASS			
140	5700	MCS0	full	16.53	16.77	16.58	16.94	22.72	187.248	23.98	PASS			
144	5720(U-NII 2C)	MCS0	full	-1.54	-1.74	-0.28	-1.33	4.84	3.045	23.98	PASS			
144	5720 (U-NII 3)	MCS0	full	-5.95	-5.03	-4.62	-6.18	0.62	1.154	30	PASS			
149	5745	MCS0	full	23.65	23.89	23.67	23.88	29.79	952.812	30	PASS			
157	5785	MCS0	full	23.57	23.84	23.61	23.50	29.65	922.145	30	PASS			
165	5825	MCS0	full	24.08	24.13	23.86	23.61	29.94	986.494	30	PASS			
802 11ho	EHTAD ATY			•		•				•				

СН	Frequency	Data	PLL config		Avg. POV	/ER (dBm)				REQUIRED	DESULT
СП	(MHz)	Rate	Ku conng.	Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)	RESULT
38	5190	MCS0	full	20.68	20.49	20.70	20.58	26.63	460.195	30	PASS
46	5230	MCS0	full	23.70	23.94	23.78	23.97	29.87	969.403	30	PASS
54	5270	MCS0	full	17.79	18.01	17.95	17.78	23.90	245.457	23.98	PASS
62	5310	MCS0	full	17.40	17.65	17.50	17.17	23.45	221.289	23.98	PASS
102	5510	MCS0	full	17.47	17.71	17.36	17.31	23.48	222.914	23.98	PASS
110	5550	MCS0	full	17.85	17.64	17.46	17.39	23.60	222.914	23.98	PASS
134	5670	MCS0	full	17.73	17.97	17.49	17.91	23.80	239.612	23.98	PASS
142	5710(U-NII 2C)	MCS0	full	-0.94	-1.02	0.43	-0.65	5.51	3.560	23.98	PASS
142	5710 (U-NII 3)	MCS0	full	-8.19	-7.16	-7.43	-9.38	-1.94	0.640	30	PASS
151	5755	MCS0	full	23.92	23.62	23.94	24.04	29.90	976.992	30	PASS
159	5795	MCS0	full	23.75	24.00	23.40	23.58	29.70	934.170	30	PASS

802.11be EHT80 4TX

	Frequency	Data	Pllconfig		Avg. POV	/ER (dBm)				REQUIRED	DESULT
СП	(MHz)	Rate	Ku conng.	Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)	RESULT
42	5210	MCS0	full	20.34	21.05	20.55	20.64	26.67	464.453	30	PASS
58	5290	MCS0	full	17.71	18.06	17.86	17.64	23.84	241.946	23.98	PASS
106	5530	MCS0	full	18.02	17.90	17.61	17.54	23.79	239.261	23.98	PASS
122	5610	MCS0	full	17.67	17.85	17.51	17.55	23.66	232.472	23.98	PASS
138	5690(U-NII 2C)	MCS0	full	-0.46	-0.47	0.82	-0.37	5.94	3.923	23.98	PASS
138	5690 (U-NII 3)	MCS0	full	-12.34	-10.51	-11.01	-12.24	-5.43	0.286	30	PASS
155	5775	MCS0	full	22.26	22.32	21.91	21.88	28.11	647.699	30	PASS

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802.11be_	EHT160_4TX										
СН	Frequency	Data	B IL config		Avg. POW	/ER (dBm)					RESULT
on	(MHz)	Rate	Ko comg.	Ch0	Ch1	Ch2	Ch3	(dBm)	(mW)	(dBm)	REGOLI
50	5250	MCS0	full	17.22	17.99	17.77	17.71	23.70	234.411	23.98	PASS
114	5570	MCS0	full	18.02	18.08	17.56	17.55	23.83	241.430	23.98	PASS

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10 MAXIMUM POWER SPECTRAL DENSITY

10.1 FCC Standard

Operation Bands	EUT	[CATEGORY	e-CRF Title 47 §15.407 Power Spectral Density	Antenna Directional Gain Requirements
		Outdoor Access Point (Master)	1. 17dBm/ MHz 2. EIRP<=125mW(21dBm) at any elevation angle > 30°	6dBi
U-NII-1 U-NII-2A	v	Indoor Access Point (Master)	17dBm / MHz	6dBi
		Fixed point-to- point Access Ponit	17dBm / MHz	23dBi
	Deperation EU Bands EU U-NII-1 V U-NII-2A V U-NII-2C V U-NII-3 V U-NII-4 Image: Comparison of the second secon	Client device	11dBm / MHz	6dBi
U-NII-2A	V	All	11dBm / MHz	6dBi
U-NII-2C	V	All	11dBm / MHz	6dBi
U-NII-3	V	All	30dBm / 500kHz	6dBi
		Indoor AP	20dBm / MHz e.i.r.p.	Not required
U-NII-4		indoor client	14dBm / MHz e.i.r.p.	Not required
		subordinate device	20dBm / MHz e.i.r.p.	Not required
If transmittir Maximum t antenna.	ng anten ransmit	nas of directional power shall be rec	gain greater than the antenna requirements duced by the amount in dB that the directio	s column, the n-al gain of the

10.2 **Test Setup**



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10.3 Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules.
- 3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to Spectrum.

4. For U-NII1, U-NII-2A, U-NII-2C Band:

Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto (1001 pts), Detector = power averaging (rms), if available. Otherwise, use sample detector mode, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)

For U-NII-3 Band:

Set RBW=300kHz, VBW=1MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto, detector = RMS or sample, traces 100 sweeps of video averaging.

In addition, measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log (500 kHz/RBW) to the measured result.

- 5. User the cursor on spectrum to peak search the highest level of trace
- 6. (1)Duty cycle \geq 98% : Record the max. reading. (2)Duty cycle < 98% : Record the max. reading and add 10 log(1/duty cycle).
- 7. Repeat above procedures until all default test channel (low, middle, and high) was complete.

Note: For the test of PSD at MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome.

Note:

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

• DirectionalGain =
$$10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream; NSS = the number of independent spatial streams of data; NANT = the total number of antennas $g_{i,k} = /20$ 10Gk if the kth antenna is being fed by spatial stream j, or zero if it is not; \tilde{G}_k is the gain in dBi of the kth antenna.

The antenna gain is greater than 6 dBi, therefore the power limit has been attenuated accordingly.

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10.4 Measurement Result

Mode: CDD

POWER DENSITY 802.11a MODE									
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd F	'SD(dBm/MHz)	Limit	Margin (dB)
5180	10.836	11.151	8.951	10.178	0.00	16	.38	17.00 dBm/MHz	-0.62
5220	10.628	11.327	11.157	9.703	0.00	16.77		17.00 dBm/MHz	-0.23
5240	10.553	11.738	10.421	9.802	0.00	16	.71	17.00 dBm/MHz	-0.29
5260	4.806	4.321	4.383	4.322	0.00	10	.48	10.58 dBm/MHz	-0.10
5300	4,429	4,545	4,995	3.973	0.00	10	52	10.58 dBm/MHz	-0.06
5320	3 814	4 837	4 337	3 684	0.00	10	21	10.58 dBm/MHz	-0.37
5500	3 741	3 577	4 064	3.837	0.00	9	83	10.01 dBm/MHz	-0.18
5580	3 501	4 304	3 942	3.083	0.00	9.	75	10.01 dBm/MHz	-0.26
5700	3,490	4.013	4.016	3,827	0.00	9.	86	10.01 dBm/MHz	-0.20
5720 (LLNII 2C)	3 380	4.076	3.006	3 310	0.00	9.	73	10.01 dBm/MHz	-0.10
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	-2.137	-1.367	-1.422	-1.902	0.00	2.22	6.55	29.70 dBm/500kHz	-23.15
5745	7.673	8.167	7.154	8.164	0.00	2.22	16.05	29.70 dBm/500kHz	-13.65
5785	7.521	7.536	7.479	7.365	0.00	2.22	15.72	29.70 dBm/500kHz	-13.98
5825	7.257	8.208	7.752	7.227	0.00	2.22	15.87	29.70 dBm/500kHz	-13.83
			POWER DENS	ITY 802.11n HT20 M	NODE				
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	10.627	11.172	11.602	10.051	0.00	16.92		17.00 dBm/MHz	-0.08
5220	10.459	11.270	10.389	9.838	0.00	16.54		17.00 dBm/MHz	-0.46
5240	10.487	11.087	10.154	9.945	0.00	16.46		17.00 dBm/MHz	-0.54
5260	4.405	4.459	4.469	4.185	0.00	10	.40	10.58 dBm/MHz	-0.18
5300	4.244	4.470	4.617	4.159	0.00	10	.40	10.58 dBm/MHz	-0.18
5320	4.390	4.607	5.014	3.99	0.00	10	.54	10.58 dBm/MHz	-0.04
5500	3.526	3.852	3.875	3.46	0.00	9.70		10.01 dBm/MHz	-0.31
5580	3.560	4.331	4.473	3.34	0.00	9.97		10.01 dBm/MHz	-0.04
5700	3.365	4.226	3.653	3.187	0.00	9.65		10.01 dBm/MHz	-0.36
5720 (U-NII 2C)	3.701	3.546	3.823	3.402	0.00	9.	64	10.01 dBm/MHz	-0.37
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	-2.862	-2.792	-2.501	-3.136	0.00	2.22	5.42	29.70 dBm/500kHz	-24.28
5745	6.670	7.535	7.532	7.884	0.00	2.22	15.67	29.70 dBm/500kHz	-14.03
5785	7.369	7.813	8.216	7.697	0.00	2.22	16.02	29.70 dBm/500kHz	-13.68
5825	7.223	7.725	7.468	7.39	0.00	2.22	15.70	29.70 dBm/500kHz	-14.00
	•	·	POWER DENS	ITY 802.11n HT40 M	NODE	·			
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd F	PSD(dBm/MHz)	Limit	Margin (dB)
5190	6.898	6.935	7.285	6.384	0.00	12	.91	17.00 dBm/MHz	-4.09
5230	11.131	11.082	10.958	9.875	0.00	16	.81	17.00 dBm/MHz	-0.19
5270	4.196	4.262	4.472	3.735	0.00	10	.20	10.58 dBm/MHz	-0.38
5310	2.317	2.515	2.706	2.168	0.00	8.	45	10.58 dBm/MHz	-2.13
5510	4.072	3.476	3.62	3.203	0.00	9.	62	10.01 dBm/MHz	-0.39
5550	3.565	3.710	4.169	3.135	0.00	9.	68	10.01 dBm/MHz	-0.33
5670	3.072	3.807	3.34	3.8	0.00	9.	54	10.01 dBm/MHz	-0.47
5710 (U-NII 2C)	2.959	3.094	3.033	2.692	0.00	8.	97	10.01 dBm/MHz	-1.04
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5/10 (U-NII 3)	-2.652	-2.174	-2.626	-2.736	0.00	2.22	5.70	29.70 dBm/500kHz	-24.00
5755	3.911	4.204	4.621	4.544	0.00	2.22	12.57	29.70 dBm/500kHz	-17.13
5795	3.758	3.892	4.1	3.675	0.00	2.22	12.10	29.70 dBm/500kHz	-17.60

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POWER DENSITY 802.11ac VHT80 MODE										
Fr	equency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd F	PSD(dBm/MHz)	Limit	Margin (dB)
	5210	0.874	1.457	-0.639	-0.078	0.00	6.	50	17.00 dBm/MHz	-10.50
	5290	-0.392	-0.506	-0.094	-0.995	0.00	5.	54	10.58 dBm/MHz	-5.04
	5530	0.766	0.478	0.898	-0.205	0.00	6.	53	10.01 dBm/MHz	-3.48
	5610	0.085	1.115	0.672	-0.419	0.00	6.42		10.01 dBm/MHz	-3.59
5690) (U-NII 2C)	0.433	0.788	0.484	0.413	0.00	6.55		10.01 dBm/MHz	-3.46
Fr	equency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB) Total Corr'd PSD (dBm/500kHz)		Limit	Margin (dB)
569	90 (U-NII 3)	-5.227	-4.499	-6.279	-5.401	0.00	2.22	2.93	29.70 dBm/500kHz	-26.77
	5775	0.935	0.608	1.37	0.812	0.00	2.22	9.18	29.70 dBm/500kHz	-20.52
			•	POWER DENSIT	Y 802.11ac VHT16	MODE				
Fr	equency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
	5250	-2.676	-2.229	-2.894	-3.957	0.00	3.13		10.58 dBm/MHz	-7.45
	5570	-1.841	-1.470	-1.68	-2.914	0.00	4.08		10.01 dBm/MHz	-5.93
		•	•	POWER DENSIT	Y 802.11be EHT20	MODE				
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	full	10.149	10.489	10.877	9.365	0.00	16.28		17.00 dBm/MHz	-0.72
5220	full	10.794	11.393	11.008	9.97	0.00	16.84		17.00 dBm/MHz	-0.16
5240	full	10.889	11.248	10.189	9.745	0.00	16.58		17.00 dBm/MHz	-0.42
5260	full	4.752	4.110	4.685	4.398	0.00	10.51		10.58 dBm/MHz	-0.07
5300	full	4.375	4.864	4.646	4.079	0.00	10	.52	10.58 dBm/MHz	-0.06
5320	full	4.307	4.553	4.918	3.867	0.00	10.45		10.58 dBm/MHz	-0.13
5500	full	3.743	3.541	4.045	3.421	0.00	9.71		10.01 dBm/MHz	-0.30
5580	full	3.420	4.306	4.498	3.381	0.00	9.95		10.01 dBm/MHz	-0.06
5700	full	3.603	4.179	3.87	3.436	0.00	9.	80	10.01 dBm/MHz	-0.21
5720 (U-NII 2C)	full	3.748	3.512	3.871	3.308	0.00	9.	64	10.01 dBm/MHz	-0.37
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	full	-1.839	-1.103	-0.843	-1.93	0.00	2.22	6.84	29.70 dBm/500kHz	-22.86
5745	full	7.426	7.263	7.691	7.422	0.00	2.22	15.69	29.70 dBm/500kHz	-14.01
5785	full	7.597	7.435	7.65	7.318	0.00	2.22	15.74	29.70 dBm/500kHz	-13.96
5825	full	7.702	8.167	8.11	7.127	0.00	2.22	16.04	29.70 dBm/500kHz	-13.66
				POWER DENSIT	TY 802.11be EHT40	MODE				
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd F	PSD(dBm/MHz)	Limit	Margin (dB)
5190	full	5.140	5.423	5.188	4.274	0.00	5.	42	17.00 dBm/MHz	-11.58
5230	full	9.711	10.170	9.645	8.791	0.00	10	.17	17.00 dBm/MHz	-6.83
5270	full	3.513	3.273	3.226	2.847	0.00	3.	51	10.58 dBm/MHz	-7.07
5310	full	2.682	2.627	2.77	1.974	0.00	2.	77	10.58 dBm/MHz	-7.81
5510	full	3.296	2.396	2.705	2.481	0.00	3.	30	10.01 dBm/MHz	-6.71
5550	full	2.945	2.663	3.092	1.936	0.00	3.	09	10.01 dBm/MHz	-6.92
5670	full	2.881	3.478	3.19	3.551	0.00	3.	55	10.01 dBm/MHz	-6.46
5710 (U-NII 2C)	full	3.036	2.901	3.043	2.879	0.00	3.	04	10.01 dBm/MHz	-6.97
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5710 (U-NII 3)	full	-2.864	-2.283	-1.96	-2.749	0.00	2.22	5.79	29.70 dBm/500kHz	-23.91
5755	full	4.514	4.591	4.473	4.42	0.00	2.22	12.74	29.70 dBm/500kHz	-16.96
5795	full	5.230	5.268	5.51	5.558	0.00	2.22	13.63	29.70 dBm/500kHz	-16.07

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	POWER DENSITY 802.11be EHT80 MODE										
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)	
5210	full	3.658	3.208	2.733	3.672	0.00	9.	36	17.00 dBm/MHz	-7.64	
5290	full	-0.617	-0.851	-1.355	-1.594	0.00	4.	93	10.58 dBm/MHz	-5.65	
5530	full	1.166	0.810	1.156	0.466	0.00	6.	93	10.01 dBm/MHz	-3.08	
5610	full	0.036	0.711	0.561	-0.279	0.00	6.30		10.01 dBm/MHz	-3.71	
5690 (U-NII 2C)	full	0.519	0.307	0.347	0.461	0.00	6.43		10.01 dBm/MHz	-3.58	
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)	
5690 (U-NII 3)	full	-5.290	-4.597	-6.069	-5.549	0.00	2.22	2.90	29.70 dBm/500kHz	-26.80	
5775	full	0.384	0.510	1.078	1.227	0.00	2.22	9.06	29.70 dBm/500kHz	-20.64	
				POWER DENSIT	Y 802.11be EHT16	0 MODE					
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)	
5250	full	-2.508	-1.787	-2.89	-3.626	0.00	3.	37	10.58 dBm/MHz	-7.21	
5570	full	-1.331	-1.668	-1.643	-2.532	0.00	4.	25	10.01 dBm/MHz	-5.76	

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