

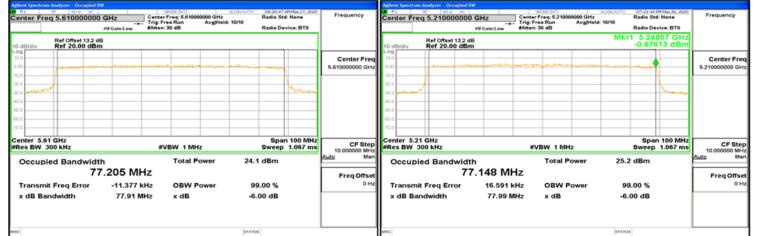
IC_802.11ax_80MHz_Chain0_5530MHz

IC_802.11ax_80MHz_Chain0_5775MHz

	ectrum A	nalyzer - Oc											nt Spectrum /										
Center	r Freq		00000 G	Hz Gain:Low		req: 6,53000 e Run 10 dB	Avg Held	ALIGNAUTO E: 10/10	Radio De		Frequency	Cer	nter Freq			Hz FGain:Low		req: 6.77500 e Run 10 dB			Radio Sto Radio De	vice: BTS	Frequency
10 dB/d	îv	Ref Offset Ref 20.0	t 13.2 dB 00 dBm									10 d	lB/div	Ref Offse Ref 20.0	t 13.2 dB 00 dBm					Mkr		642 GHz 145 dBm	
10.0 0.00						·	-a				Center Freq 5.530000000 GHz			•		4							Center Fre 5.775000000 GH
20.0	-	/								hanne		-20.0	an and									hanne	
0.0												-40.0 -50.0 -60.0											
	5.53 3W 30				#V	BW 1 MH	z			n 100 MHz 1.067 ms	CF Step		nter 5.77				#VI	BW 1 MH	Iz			n 100 MHz 1.067 ms	CF St
Occ	upie	d Band	lwidth			Total P	ower	24.8	dBm		10.000000 MHz Auto Man		Occupie		dwidth			Total P	ower		dBm		10.000000 Mi Auto M
			77.0	99 M	Hz						Freq Offset				77.′	156 M	Hz						Freq Offs
		Freq En	ror	5.440		OBW P	ower		.00 %		0 Hz		ransmit		ror	-32.823		OBW P	ower		.00 %		01
x dE	3 Band	dwidth		77.84 1	MHz	x dB		-6.0	00 dB			×	dB Ban	dwidth		77.90 M	ЛНz	x dB		-6.0)0 dB		
80								STATUS				MSG								STATUS			

IC_802.11ax_80MHz_Chain0_5610MHz

IC_802.11ax_80MHz_Chain1_5210MHz



IC_802.11ax_80MHz_Chain0_5690MHz

IC_802.11ax_80MHz_Chain1_5290MHz

MSG	STATUS							MSG								STATUS	i i					
x dB Band	lwidth		78.03 M	IHz	x dB			0 dB			×	dB Ban	dwidth		77.55	MHz	x dB		-6.4	00 dB		
Transmit F	77.164 MHz Transmit Freq Error 84.185 kHz OBW Power 99.00 %						Freq Offset 0 Hz							Freq Offset 0 Hz								
Occupied			64 M.	J	Total P	ower	24.0	dBm		Auto Man		Occupie	d Ban				Total P	ower	25.3	dBm		Auto Man
Center 5.69 C #Res BW 300				#VE	SW 1MH	z			100 MHz 1.067 ms	CF Step 10.000000 MHz	Cer #Re	nter 5.29 es BW 30	GHz 0 kHz			#VI	BW 1 MH	iz			100 MHz 1.067 ms	CF Step 10.000000 MHz
-60.0											-70.0											
-40.0											-50.0 -60.0											
-20.0 -30.0									and the second		-30.0 -40.0										Valar	
+10.0							and the second	~~~~			-10.0 -20.0		/								L.	
10.0				detrades on						5.69000000 GHz							hanne					5.29000000 GHz
	Ref 30.00									Center Freq	Log		Ref 20.									Center Free
	Ref Offset 13		ain:Low	BAtten: 30	9 90			Radio De	vice: B15		┣─		Ref Offse		IFGain:Low	BAtten: 3	U dB			Radio De	vice: B15	
		000 GH		Center Fr	req: 5.69000 e Run	00000 GHz Avg Hold	: 30/30		l: None	Frequency		nter Freq		00000 G			req: 6.29000 e Run	Avg[Hold	ALIONAUTO	Radio Std		Frequency
	n Analyzer - Occupied BW BP 500 AC 971 ALSPIAUTO 070101PM May 75 5.6900000000 GHz Center Freg: 5.690000000 GHz Radio Std: Non									Agile	nt Spectrum A	malyzer - O										

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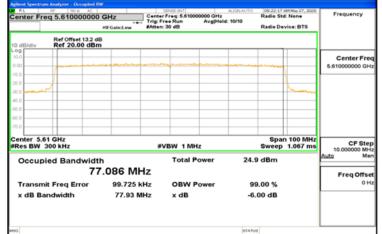


IC_802.11ax_80MHz_Chain1_5530MHz

IC_802.11ax_80MHz_Chain1_5775MHz

Agilent Spectrum A										nt Spectrum A	nalyzer - Ör	cupied BW										
Center Freq		00000 G	Hz Gain:Low	CenterF	req: 6.53000 e Run		10/10	Radio Sto		Frequency	Cer	nter Freq	5.7750	00000 G	Hz FGain:Low		req: 6.77500 e Run 10 dB		10/10	Radio Ste	AMMay 27, 2020 d: None vice: BTS	Frequency
10 dB/div	Ref Offset Ref 20.0	t 13.2 dB 00 dBm		_	_						10 c	dB/div	Ref Offse Ref 20.0	t 13.2 dB 00 dBm		_			Mkr	5.73 -0.71	644 GHz 169 dBm	
10.0		******								Center Freq 5.53000000 GHz			, in the second second							,		Center Freq 5.775000000 GHz
-20.0 -30.0									Luca		-10.0 -20.0 -30.0		1								human	
-40.0 -50.0 -60.0											-40.0 -50.0 -60.0											
Center 5.53 #Res BW 30				#V	BW 1 MH	z			n 100 MHz 1.067 ms		#D.	nter 5.775 es BW 30				#VI	BW 1 MH	z			n 100 MHz 1.067 ms	CF Step
Occupie	d Band	lwidth			Total P	ower	25.4	dBm		Auto Man		Occupie	d Band	lwidth			Total P	ower	24.6	dBm		Auto Man
Transmit	Erea Er		-9.574		OBW P		00	.00 %		Freq Offset		fransmit	Erea Er		113 M		OBW P	ower	99	.00 %		Freq Offset
x dB Ban		ror	-9.574 78.07 I		x dB	ower		00 % 00 dB			п.	dB Ban		ior	77.891		x dB	ower		00 % 00 dB		
							STATUS												STATUS			
MSG							STATUS				MBG								STATUS			

IC_802.11ax_80MHz_Chain1_5610MHz



IC_802.11ax_80MHz_Chain1_5690MHz

RL enter Fre	RF 50 Q AC		Center Freq:	5.69000000 GH	ALIGN AUTO	07:01:25 Radio St	PM May 28, 2020 d: None	Frequency
	54 0.00000000	#IFGain:Low	#Atten: 30 dB	n Avg H	old: 30/30	Radio De	vice: BTS	
0 dB/div	Ref Offset 13.2 Ref 30.00 dB							
0.0								Center Fre 5.690000000 GH
0.0		en desse desse des		*******	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	and the state of the second		
0.0	w l						han	
0.0								
enter 5.6 Res BW 3			#VBW	1 MHz			n 100 MHz 1.067 ms	CF Ste
Occup	ied Bandwid 7	th 7.167 MI		otal Power	24.2	dBm		<u>Auto</u> M:
Transmi	ر it Freq Error	-37.425		BW Power	99	.00 %		Freq Offs 01
x dB Ba	ndwidth	77.97 N	AHz x	dB	-6.	00 dB		
a					STATUS	5		

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9 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

9.1 Standard Applicable

FCC

OPERZTION Band	EUT CATEGORY	LIMIT
	Access Point (Master device)	1 Watt(30dBm)
U-NII-1	Fixed point-to-point Access Ponit	1 Watt(30dBm)
	 Mobile and portable client device	250mW(23.98dBm)
U-NII-2A		250mW(23.98dBm) or 11dBm+10 log B
U-NII-2C		250mW(23.98dBm) or 11dBm+10 log B
U-NII-3		1 Watt(30dBm)
•	U	6 dBi are used, the Maximum transmit

power shall be reduced by the amount in dB that the direction-al gain of the antenna exceeds 6 dBi.

ISED

OPERZTION FREQUENCY BAND	LIMIT
5150~5250 MHz	EIRP shall not exceed 200 mW or 10 + 10 log10B, dBm
5250~5350 MHz	Conducted output power shall not exceed 250 mW or 11 +10 log10B EIRP shall not exceed 1.0 W or 17 + 10 log10B, dBm
5470-5600 MHz and 5650-5725 MHz	Conducted output power shall not exceed 250 mW or 11 +10 log10 B EIRP shall not exceed 1.0 W or 17 + 10 log10B, dBm
5725~5850 MHz	Conducted output power shall not exceed 1 W
gain greater than 6 dBi	g in the band 5725-5850 MHz, If transmitting antennas of directional are used, the Maximum transmit power shall be reduced by the irectional gain of the antenna exceeds 6 dBi.

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 not greater than 6 dBi. Therefore, reduction of power is not required.

	Directional Gain (dBi)	Conducted Power Limit (dBm)
UNII-1	5.77	30.00
UNII-2A	5.77	23.98
U-NII-2C	5.77	23.98
U-NII-3	5.77	30.00

9.2 Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. 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 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).
- 6. Repeat above procedures until all frequency (low, middle, and high channel) measured were complete.

9.3 Measurement Equipment Used

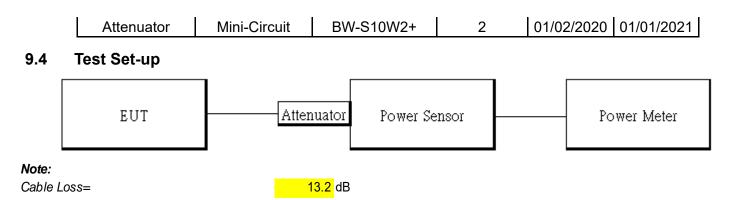
	S	GS Conducted F	Room		
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Power Meter	Anritsu	ML2496A	1804001	02/20/2020	02/19/2021
Power Sensor	Anritsu	MA2411B	1726104	02/20/2020	02/19/2021
Power Sensor	Anritsu	MA2411B	1726107	02/20/2020	02/19/2021
DC Power Sup- ply	Agilent	E3640A	MY40005907	10/22/2019	10/21/2020

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9.5 **Measurement Result**

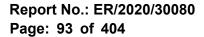
Conducted output power (FCC) 9.5.1

802.11a_Ch0

СН	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)		REQUIRED LIMIT (dBm)		RESULT
36	5180	6	14.51	28.269		23.98		PASS
44	5220	6	15.01	31.719		23.98		PASS
48	5240	6	14.95	31.283		23.98		PASS
52	5260	6	19.72	93.824	23.98	or 11+10log(B) =	24.10	PASS
60	5300	6	19.35	86.161	23.98	or 11+10log(B) =	23.79	PASS
64	5320	6	18.54	71.501	23.98	or 11+10log(B) =	24.29	PASS
100	5500	6	19.15	82.284	23.98	or 11+10log(B) =	23.99	PASS
116	5580	6	18.91	77.860	23.98	or 11+10log(B) =	24.08	PASS
140	5700	6	18.93	78.219	23.98	or 11+10log(B) =	24.22	PASS
144	5720(U-NII 2C)	6	18.12	64.911	23.98	or 11+10log(B) =	23.98	PASS
144	5720 (U-NII 3)	6	13.31	21.449		30		PASS
149	5745	6	19.13	81.906		30		PASS
157	5785	6	18.90	77.681		30		PASS
165	5825	6	19.15	82.284		30		PASS

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802.11a_Ch1

СН	Frequency (MHz)	Data Rate	TOT POW (dB	/ER	TOTAL POWER (mW)			QUIRED LIMIT (dBm)		RESULT
36	5180	6	14.	69	29.465			23.98		PASS
44	5220	6	15.	12	32.532			23.98		PASS
48	5240	6	15.	04	31.938			23.98		PASS
52	5260	6	19.	56	90.430	23.98	or 11·	+10log(B) =	23.79	PASS
60	5300	6	19.	51	89.395	23.98	or 11·	+10log(B) =	23.78	PASS
64	5320	6	18.	18	65.813	23.98		+10log(B) =	23.77	PASS
100	5500	6	19.		95.348	23.98		+10log(B) =	23.79	PASS
116	5580	6	19.		90.848	23.98		+10log(B) =	23.79	PASS
140	5700	6	19.		91.477	23.98		+10log(B) =	23.79	PASS
144	5720(U-NII 2C)	6	18.		69.075	23.98		+10log(B) =	23.78	PASS
144	5720 (U-NII 3)	6	13.		21.355			30		PASS
149	5745	6	19.		83.236			30		PASS
110	5785	6	18.		79.125			30		PASS
167	5825	6	18.		65.965			30		PASS
802.11a_2		0	10.	10	00.000			00		1 400
СН	Frequency (MHz)	Data Rate	Avg. POW	. ,	TOTAL POWER	TOTAL POWER		REQUIRED LIMIT		RESULT
			CH 0	CH 1	(dBm)	(mW)		(dBm)		
36 44	5180 5220	6	11.71 12.05	12.26 12.51	15.04 15.33	31.894 34.116		23.98		PASS PASS
44	5240	6	12.05	12.51	15.27	33.636		23.98		PASS
52	5260	6	16.41	16.95	19.73	94.012	23.98	or 11+10log(B) =	= 23.79	
60	5300	6	16.39	16.72	19.60	91.234	23.98	or 11+10log(B) =		-
64	5320	6	16.45	16.89	19.72	93.735	23.98	or 11+10log(B) =		7 PASS
100	5500	6	16.52	17.03	19.83	96.071	23.98	or 11+10log(B) =	= 23.7	9 PASS
116	5580	6	16.59	17.04	19.86	96.923	23.98	or 11+10log(B) =	= 23.7	9 PASS
140	5700	6	16.58	16.71	19.69	93.088	23.98	or 11+10log(B) =	= 23.79	PASS
144	5720(U-NII 2C)	6	15.47	15.41	18.45	69.968	23.98	or 11+10log(B) =	= 23.7	8 PASS
144	5720 (U-NII 3)	6	10.66	10.31	13.64	23.120		30		PASS
149	5745	6	16.75	16.38	19.61	91.461		30		PASS
157	5785	6	17.02	16.55	19.83	96.267		30		PASS
165	5825	6	16.93	16.67	19.85	96.502		30		PASS

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802.11n_HT20_Ch0

СН	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)		REQUIRED LIMIT (dBm)		RESULT
36	5180	MCS0	14.90	30.875		23.98		PASS
44	5220	MCS0	15.09	32.256		23.98		PASS
48	5240	MCS0	15.15	32.705		23.98		PASS
52	5260	MCS0	19.68	92.813	23.98	or 11+10log(B) =	24.61	PASS
60	5300	MCS0	19.37	86.419	23.98	or 11+10log(B) =	24.60	PASS
64	5320	MCS0	18.49	70.568	23.98	or 11+10log(B) =	24.07	PASS
100	5500	MCS0	19.09	81.023	23.98	or 11+10log(B) =	24.20	PASS
116	5580	MCS0	18.93	78.093	23.98	or 11+10log(B) =	24.26	PASS
140	5700	MCS0	18.90	77.555	23.98	or 11+10log(B) =	24.26	PASS
144	5720(U-NII 2C)	MCS0	17.90	61.596	23.98	or 11+10log(B) =	24.42	PASS
144	5720 (U-NII 3)	MCS0	13.63	23.050		30		PASS
149	5745	MCS0	19.08	80.837		30		PASS
157	5785	MCS0	18.94	78.273		30		PASS
165	5825	MCS0	19.07	80.651		30		PASS
802.11n_	HT20_Ch1							
СН	Frequency	Data	TOTAL	TOTAL		REQUIRED		
	(MHz)	Data Rate	POWER (dBm)	POWER (mW)		LIMIT (dBm)		RESULT
36	• •			POWER		LIMIT		RESULT PASS
36 44	(MHz)	Rate	(dBm)	POWER (mW)		LIMIT (dBm)		
	(MHz) 5180	Rate MCS0	(dBm) 15.03	POWER (mW) 31.813		LIMIT (dBm) 23.98		PASS
44	(MHz) 5180 5220	Rate MCS0 MCS0	(dBm) 15.03 15.25	POWER (mW) 31.813 33.466	23.98	LIMIT (dBm) 23.98 23.98	24.04	PASS PASS
44 48	(MHz) 5180 5220 5240	RateMCS0MCS0MCS0	(dBm) 15.03 15.25 15.31	POWER (mW) 31.813 33.466 33.932	23.98	LIMIT (dBm) 23.98 23.98 23.98	24.04 24.24	PASS PASS PASS
44 48 52	(MHz) 5180 5220 5240 5260	RateMCS0MCS0MCS0MCS0	(dBm) 15.03 15.25 15.31 19.54	POWER (mW) 31.813 33.466 33.932 89.869		LIMIT (dBm) 23.98 23.98 23.98 23.98 or 11+10log(B) =		PASS PASS PASS PASS
44 48 52 60	(MHz) 5180 5220 5240 5260 5300	RateMCS0MCS0MCS0MCS0MCS0	(dBm) 15.03 15.25 15.31 19.54 19.73	POWER (mW) 31.813 33.466 33.932 89.869 93.888	23.98	LIMIT (dBm) 23.98 23.98 23.98 or 11+10log(B) = or 11+10log(B) =	24.24	PASS PASS PASS PASS PASS
44 48 52 60 64	(MHz) 5180 5220 5240 5260 5300 5320	RateMCS0MCS0MCS0MCS0MCS0MCS0MCS0	(dBm) 15.03 15.25 15.31 19.54 19.73 18.37	POWER (mW) 31.813 33.466 33.932 89.869 93.888 68.645	23.98 23.98	LIMIT (dBm) 23.98 23.98 23.98 or 11+10log(B) = or 11+10log(B) = or 11+10log(B) =	24.24 24.20	PASS PASS PASS PASS PASS PASS
44 48 52 60 64 100	(MHz) 5180 5220 5240 5260 5300 5320 5500	RateMCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0	(dBm) 15.03 15.25 15.31 19.54 19.73 18.37 19.76	POWER (mW) 31.813 33.466 33.932 89.869 93.888 68.645 94.539	23.98 23.98 23.98	LIMIT (dBm) 23.98 23.98 23.98 or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) =	24.24 24.20 24.09	PASS PASS PASS PASS PASS PASS PASS
44 48 52 60 64 100 116	(MHz) 5180 5220 5240 5260 5300 5320 5500 5580	RateMCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0	(dBm) 15.03 15.25 15.31 19.54 19.73 18.37 19.76 19.52	POWER (mW) 31.813 33.466 33.932 89.869 93.888 68.645 94.539 89.456	23.98 23.98 23.98 23.98	LIMIT (dBm) 23.98 23.98 23.98 or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) =	24.24 24.20 24.09 24.07	PASS PASS PASS PASS PASS PASS PASS PASS
44 48 52 60 64 100 116 140	(MHz) 5180 5220 5240 5260 5300 5320 5320 5500 5580 5700	RateMCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0	(dBm) 15.03 15.25 15.31 19.54 19.73 18.37 19.76 19.52 19.25	POWER (mW) 31.813 33.466 33.932 89.869 93.888 68.645 94.539 89.456 84.064	23.98 23.98 23.98 23.98 23.98	LIMIT (dBm) 23.98 23.98 23.98 or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) =	24.24 24.20 24.09 24.07 24.23	PASS PASS PASS PASS PASS PASS PASS PASS
44 48 52 60 64 100 116 140 144	(MHz) 5180 5220 5240 5260 5300 5320 5320 5500 5580 5700 5720(U-NII 2C)	RateMCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0	(dBm) 15.03 15.25 15.31 19.54 19.73 18.37 19.76 19.52 19.25 18.15	POWER (mW) 31.813 33.466 33.932 89.869 93.888 68.645 94.539 89.456 84.064 65.378	23.98 23.98 23.98 23.98 23.98	LIMIT (dBm) 23.98 23.98 23.98 or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) =	24.24 24.20 24.09 24.07 24.23	PASS PASS PASS PASS PASS PASS PASS PASS
44 48 52 60 64 100 116 140 144 144	(MHz) 5180 5220 5240 5260 5300 5320 5320 5500 5580 5780 5720(U-NII 2C) 5720(U-NII 3)	RateMCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0MCS0	(dBm) 15.03 15.25 15.31 19.54 19.73 18.37 19.76 19.52 19.25 18.15 13.55	POWER (mW) 31.813 33.466 33.932 89.869 93.888 68.645 94.539 89.456 84.064 65.378 22.647	23.98 23.98 23.98 23.98 23.98	LIMIT (dBm) 23.98 23.98 23.98 or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = or 11+10log(B) = 30	24.24 24.20 24.09 24.07 24.23	PASS PASS PASS PASS PASS PASS PASS 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.

MCS0

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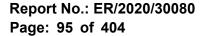
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PASS





802.11n HT20 MIMO

СН	Frequency	Data	Avg. POV	/ER (dBm)	TOTAL POWER	TOTAL POWER		REQUIRED LIMIT		RESULT
CIT	(MHz)	Rate	CH 0	CH 1	(dBm)	(mW)		(dBm)		RESULT
36	5180	MCS0	11.87	12.56	15.26	33.536		23.98		PASS
44	5220	MCS0	12.16	12.73	15.48	35.324		23.98		PASS
48	5240	MCS0	12.23	12.74	15.52	35.636		23.98		PASS
52	5260	MCS0	16.47	17.11	19.83	96.121	23.98	or 11+10log(B) =	24.04	PASS
60	5300	MCS0	16.67	17.01	19.87	97.045	23.98	or 11+10log(B) =	24.24	PASS
64	5320	MCS0	16.58	16.78	19.71	93.488	23.98	or 11+10log(B) =	24.07	PASS
100	5500	MCS0	16.52	16.98	19.78	95.115	23.98	or 11+10log(B) =	24.09	PASS
116	5580	MCS0	16.53	16.95	19.77	94.874	23.98	or 11+10log(B) =	24.07	PASS
140	5700	MCS0	16.44	16.54	19.52	89.468	23.98	or 11+10log(B) =	24.23	PASS
144	5720(U-NII 2C)	MCS0	15.39	15.52	18.44	69.757	23.98	or 11+10log(B) =	24.14	PASS
144	5720 (U-NII 3)	MCS0	11.12	10.91	14.17	26.104		30		PASS
149	5745	MCS0	16.92	16.54	19.76	94.636		30		PASS
157	5785	MCS0	16.95	16.5	19.76	94.563		30		PASS
165	5825	MCS0	16.83	16.54	19.71	93.623		30		PASS

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802.11ax_20_Ch0

СН	Frequency (MHz)	Data Rate	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)			RESULT
		MCS0	full	15.19	33.027		23.98		PASS
26	5100	MCS0	26/0	6.47	4.435		23.98		PASS
36	5180	MCS0	52/37	9.43	8.767		23.98		PASS
		MCS0	106/53	12.45	17.574		23.98		PASS
44	5220	MCS0	full	15.33	34.109		23.98		PASS
48	5240	MCS0	full	15.31	33.952		23.98		PASS
52	5260	MCS0	full	19.72	93.728	23.98	or 11+10log(B) =	24.92	PASS
60	5300	MCS0	full	19.44	87.876	23.98	or 11+10log(B) =	24.88	PASS
		MCS0	full	17.54	56.738	23.98	or 11+10log(B) =	24.52	PASS
64	5220	MCS0	26/8	13.24	21.080	23.98	or 11+10log(B) =	24.52	PASS
64	5320	MCS0	52/40	15.92	39.073	23.98	or 11+10log(B) =	24.52	PASS
		MCS0	106/54	17.34	54.184	23.98	or 11+10log(B) =	24.52	PASS
		MCS0	full	18.48	70.448	23.98	or 11+10log(B) =	24.44	PASS
100	5500	MCS0	26/0	13.57	22.744	23.98	or 11+10log(B) =	24.44	PASS
100	5500	MCS0	52/37	16.20	41.675	23.98	or 11+10log(B) =	24.44	PASS
		MCS0	106/53	18.40	69.163	23.98	or 11+10log(B) =	24.44	PASS
116	5580	MCS0	full	19.03	79.960	23.98	or 11+10log(B) =	24.39	PASS
		MCS0	full	18.30	67.588	23.98	or 11+10log(B) =	24.35	PASS
140	5700	MCS0	26/8	13.93	24.710	23.98	or 11+10log(B) =	24.35	PASS
140	5700	MCS0	52/40	16.76	47.410	23.98	or 11+10log(B) =	24.35	PASS
		MCS0	106/54	18.13	64.994	23.98	or 11+10log(B) =	24.35	PASS
144	5720(U-NII 2C)	MCS0	full	17.99	62.965	23.98	or 11+10log(B) =	24.31	PASS
144	5720 (U-NII 3)	MCS0	full	13.60	22.911		30		PASS
		MCS0	full	19.13	81.822		30		PASS
149	5745	MCS0	26/0	16.07	40.446		30		PASS
149	5745	MCS0	52/37	18.37	68.687		30		PASS
		MCS0	106/53	18.62	72.756		30		PASS
157	5785	MCS0	full	18.99	79.227		30		PASS
165	5825	MCS0	full	19.10	81.259		30		PASS

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802.11ax_20_Ch1

СН	Frequency (MHz)	Data Rate	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)			RESULT	
		MCS0	full	15.07	32.127		23.98		PASS
26	5400	MCS0	26/0	6.42	4.384		23.98		PASS
36	5180	MCS0	52/37	9.38	8.667	23.98			PASS
		MCS0	106/53	12.40	17.373		23.98		
44	5220	MCS0	full	15.39	34.584		23.98		PASS
48	5240	MCS0	full	15.34	34.188			PASS	
52	5260	MCS0	full	19.56	90.338	23.98	PASS		
60	5300	MCS0	full	19.77	94.814	23.98	or 11+10log(B) =	24.26	PASS
		MCS0	full	17.29	53.564	23.98	or 11+10log(B) =	24.21	PASS
64	5220	MCS0	26/8	13.20	20.887	23.98	or 11+10log(B) =	24.21	PASS
64	5320	MCS0	52/40	15.81	38.095	23.98	or 11+10log(B) =	24.21	PASS
		MCS0	106/54	17.13	51.626	23.98	or 11+10log(B) =	24.21	PASS
		MCS0	full	18.33	68.057	23.98	or 11+10log(B) =	24.24	PASS
100	5500	MCS0	26/0	13.49	22.329	23.98	or 11+10log(B) =	24.24	PASS
100	5500	MCS0	52/37	16.25	42.157	23.98	or 11+10log(B) =	24.24	PASS
		MCS0	106/53	18.26	66.969	23.98	or 11+10log(B) =	24.24	PASS
116	5580	MCS0	full	19.56	90.338	23.98	or 11+10log(B) =	24.26	PASS
		MCS0	full	18.11	64.695	23.98	or 11+10log(B) =	24.20	PASS
140	5700	MCS0	26/8	13.79	23.926	23.98	or 11+10log(B) =	24.20	PASS
140	5700	MCS0	52/40	16.53	44.965	23.98	or 11+10log(B) =	24.20	PASS
		MCS0	106/54	17.96	62.499	23.98	or 11+10log(B) =	24.20	PASS
144	5720(U-NII 2C)	MCS0	full	18.32	67.929	23.98	or 11+10log(B) =	24.25	PASS
144	5720 (U-NII 3)	MCS0	full	13.86	24.301		30		PASS
		MCS0	full	19.24	83.921		30		PASS
140	5745	MCS0	26/0	15.87	38.625		30		PASS
149	5745	MCS0	52/37	18.28	67.278		30		PASS
		MCS0	106/53	18.71	74.280	30			PASS
157	5785	MCS0	full	18.98	79.044	30			PASS
165	5825	MCS0	full	18.19	65.898			PASS	

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802.11ax_20_MIMO

011	Frequency	Data		Avg. POW	/ER (dBm)	TOTAL	TOTAL		REQUIRED		DE0111 T
СН	(MHz)	Rate	RU config.	CH 0	CH 1	POWER (dBm)	POWER (mW)		LIMIT (dBm)		RESULT
		MCS0	full	12.03	12.72	15.42	34.815		23.98		PASS
36	5180	MCS0	26/0	3.23	3.84	6.57	4.544		23.98		PASS
50	5180	MCS0	52/37	6.61	6.97	9.82	9.600		23.98		PASS
		MCS0	106/53	9.69	9.92	12.84	19.211		23.98		PASS
44	5220	MCS0	full	12.34	12.93	15.67	36.932		23.98		PASS
48	5240	MCS0	full	12.27	12.77	15.56	35.944		23.98		PASS
52	5260	MCS0	full	16.52	17.2	19.90	97.776	23.98	or 11+10log(B) =	24.27	PASS
60	5300	MCS0	full	16.73	17.06	19.93	98.337	23.98	or 11+10log(B) =	24.26	PASS
		MCS0	full	16.7	16.86	19.81	95.714	23.98	or 11+10log(B) =	24.21	PASS
64	5320	MCS0	26/8	10.53	10.23	13.41	21.936	23.98	or 11+10log(B) =	24.21	PASS
04	5520	MCS0	52/40	13.38	13.06	16.25	42.189	23.98	or 11+10log(B) =	24.21	PASS
		MCS0	106/54	16.01	15.87	18.97	78.878	23.98	or 11+10log(B) =	24.21	PASS
		MCS0	full	16.57	17.05	19.85	96.508	23.98	or 11+10log(B) =	24.24	PASS
100	5500	MCS0	26/0	10.62	10.54	13.61	22.957	23.98	or 11+10log(B) =	24.24	PASS
100	5500	MCS0	52/37	13.4	13.39	16.42	43.894	23.98	or 11+10log(B) =	24.24	PASS
		MCS0	106/53	16.03	16.28	19.19	82.905	23.98	or 11+10log(B) =	24.24	PASS
116	5580	MCS0	full	16.62	17.05	19.87	97.036	23.98	or 11+10log(B) =	24.26	PASS
		MCS0	full	16.57	16.82	19.73	93.882	23.98	or 11+10log(B) =	24.20	PASS
140	5700	MCS0	26/8	11.04	10.81	13.96	24.863	23.98	or 11+10log(B) =	24.20	PASS
140	5700	MCS0	52/40	13.94	13.59	16.80	47.836	23.98	or 11+10log(B) =	24.20	PASS
		MCS0	106/54	16.52	16.41	19.49	89.009	23.98	or 11+10log(B) =	24.20	PASS
144	5720(U-NII 2C)	MCS0	full	15.46	15.59	18.55	71.559	23.98	or 11+10log(B) =	24.25	PASS
144	5720 (U-NII 3)	MCS0	full	11.07	8.03	14.16	26.038		30		PASS
		MCS0	full	16.92	16.66	19.82	95.961		30		PASS
149	5745	MCS0	26/0	13.42	12.87	16.18	41.521		30		PASS
149	5745	MCS0	52/37	16.04	15.62	18.86	76.986		30		PASS
		MCS0	106/53	16.67	16.35	19.54	89.990		30		PASS
157	5785	MCS0	full	17.03	16.62	19.86	96.802		30		PASS
165	5825	MCS0	full	16.94	16.66	19.83	96.189		30		PASS

802.11n_HT40_Ch0

СН	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)		REQUIRED LIMIT (dBm)		RESULT
38	5190	MCS0	16.04	40.199		23.98		PASS
46	5230	MCS0	16.58	45.522		23.98		PASS
54	5270	MCS0	19.55	90.202	23.98	or 11+10log(B) =	27.67	PASS
62	5310	MCS0	15.40	34.691	23.98	or 11+10log(B) =	27.49	PASS
102	5510	MCS0	17.06	50.841	23.98	or 11+10log(B) =	27.48	PASS
110	5550	MCS0	19.59	91.037	23.98	or 11+10log(B) =	27.43	PASS
134	5670	MCS0	19.54	89.995	23.98	or 11+10log(B) =	27.04	PASS
142	5710(U-NII 2C)	MCS0	19.15	82.302	23.98	or 11+10log(B) =	27.02	PASS
142	5710 (U-NII 3)	MCS0	10.69	11.717		30		PASS
151	5755	MCS0	19.44	87.946		30		PASS
159	5795	MCS0	19.46	88.352		30		PASS

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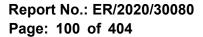


802.11n_HT40_Ch1

СН	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)		REQUIRED LIMIT (dBm)		RESULT
38	5190	MCS0	16.26	42.288		23.98		PASS
46	5230	MCS0	16.77	47.557		23.98		PASS
54	5270	MCS0	19.67	92.729	23.98	or 11+10log(B) =	26.94	PASS
62	5310	MCS0	15.60	36.326	23.98	or 11+10log(B) =	26.98	PASS
102	5510	MCS0	17.33	54.103	23.98	or 11+10log(B) =	27.01	PASS
110	5550	MCS0	19.59	91.037	23.98	or 11+10log(B) =	26.99	PASS
134	5670	MCS0	19.56	90.410	23.98	or 11+10log(B) =	27.00	PASS
142	5710(U-NII 2C)	MCS0	19.11	81.553	23.98	or 11+10log(B) =	26.99	PASS
142	5710 (U-NII 3)	MCS0	10.57	11.390		30		PASS
151	5755	MCS0	19.54	89.995		30		PASS
159	5795	MCS0	19.17	82.645		30		PASS
302.11n_H	T40_MIMO							
СН	Frequency	Data	Avg. POWER (dBm) TOTAL POWER	TOTAL REQUIRED POWER LIMIT)	RESULT

СН	Frequency	Data	Avg. POV	VER (авт)	POWER	POWER		LIMIT		RESULT
СП	(MHz)	Rate	CH 0	CH 1	(dBm)	(mW)		(dBm)		RESULI
38	5190	MCS0	13.02	13.76	16.43	43.936		23.98		PASS
46	5230	MCS0	13.73	14.23	17.01	50.230		23.98		PASS
54	5270	MCS0	16.52	17.1	19.84	96.431	23.98	or 11+10log(B) =	26.94	PASS
62	5310	MCS0	13.41	13.6	16.53	44.963	23.98	or 11+10log(B) =	26.98	PASS
102	5510	MCS0	16.26	16.61	19.46	88.328	23.98	or 11+10log(B) =	27.01	PASS
110	5550	MCS0	16.73	17.04	19.91	97.954	23.98	or 11+10log(B) =	26.99	PASS
134	5670	MCS0	16.59	17.01	19.83	96.107	23.98	or 11+10log(B) =	27.00	PASS
142	5710(U-NII 2C)	MCS0	16.15	16.20	19.19	83.070	23.98	or 11+10log(B) =	26.99	PASS
142	5720 (U-NII 3)	MCS0	7.69	7.65	10.73	11.826		30		PASS
151	5755	MCS0	16.71	16.35	19.56	90.286		30		PASS
159	5795	MCS0	17.05	16.55	19.83	96.154		30		PASS

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802.11ax_40_Ch0

сн	Frequency (MHz)	Data Rate	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)			RESULT
38	5190	MCS0	full	13.44	22.091		23.98		PASS
50	5190	MCS0	242/61	13.11	20.475		23.98		PASS
46	5230	MCS0	full	16.61	45.837		23.98		PASS
54	5270	MCS0	full	19.55	90.202	23.98	or 11+10log(B) =	27.31	PASS
62	5310	MCS0	full	15.24	33.436	23.98	or 11+10log(B) =	27.20	PASS
62	5510	MCS0	242/62	15.07	32.153	23.98	or 11+10log(B) =	27.20	PASS
102	5510	MCS0	full	16.48	44.485	23.98	or 11+10log(B) =	27.12	PASS
102	5510	MCS0	242/61	16.22	41.900	23.98	or 11+10log(B) =	27.12	PASS
110	5550	MCS0	full	19.77	94.889	23.98	or 11+10log(B) =	27.35	PASS
124	5670	MCS0	full	19.55	90.202	23.98	or 11+10log(B) =	27.16	PASS
134	5670	MCS0	242/62	19.28	84.765	23.98	or 11+10log(B) =	27.16	PASS
142	5710(U-NII 2C)	MCS0	full	19.10	81.209	23.98	or 11+10log(B) =	27.11	PASS
142	5710 (U-NII 3)	MCS0	full	10.93	12.378		30		PASS
		MCS0	full	19.62	91.668		30		PASS
151	5755	MCS0	242/61	19.51	89.375		30		PASS
159	5795	MCS0	full	19.72	93.803		30		PASS
	40 Ch1								
сн	Frequency (MHz)	Data Rate	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)		REQUIRED LIMIT (dBm)		RESULT
		MCS0	full	13.68	23.346		23.98		PASS
38	5190	MCS0	242/61	13.34	21.588		23.98		PASS
46	5230	MCS0	full	16.66	46.368		23.98		PASS
54	5270	MCS0	full	19.64	92.091	23.98	or 11+10log(B) =	27.07	PASS
		MCS0	full	15.29	33.823	23.98	or 11+10log(B) =	27.05	PASS
62	5310	MCS0	242/62	15.14	32.675	23.98	or 11+10log(B) =	27.05	PASS
102	5510	MCS0	full	16.65	46.261	23.98	or 11+10log(B) =	27.10	PASS
102	5510	MCS0	242/61	16.38	43.473	23.98	or 11+10log(B) =	27.10	PASS
110	5550	MCS0	full	19.57	90.619	23.98	or 11+10log(B) =	27.07	PASS
134	5670	MCS0	full	19.50	89.170	23.98	or 11+10log(B) =	27.06	PASS
154	5070	MCS0	242/62	19.29	84.961	23.98	or 11+10log(B) =	27.06	PASS
142	5710(U-NII 2C)	MCS0	full	19.14	82.081	23.98	or 11+10log(B) =	27.07	PASS
	5740 (ULAULO)	MCS0	full	10.85	12.155		30		PASS
142	5710 (U-NII 3)	10000							
		MCS0	full	19.78	95.108		30		PASS
142 151	5710 (U-NII 3) 5755			19.78 19.60	95.108 91.247		30 30 30		PASS PASS

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802.11ax 40 MIMO

СН	Frequency	Data	RU config.	Avg. POW	/ER (dBm)	TOTAL	TOTAL POWER		REQUIRED LIMIT		RESULT
СП	(MHz)	Rate	KU COIIIIg.	CH 0	CH 1	(dBm)	(mW)		(dBm)		RESULI
38	F100	MCS0	full	12.44	13.14	15.83	38.252		23.98		PASS
58	5190	MCS0	242/61	12.34	12.91	15.66	36.786		23.98		PASS
46	5230	MCS0	full	13.74	14.03	16.91	49.090		23.98		PASS
54	5270	MCS0	full	16.38	16.89	19.66	92.575	23.98	or 11+10log(B) =	27.07	PASS
62	F210	MCS0	full	12.21	12.37	15.31	33.988	23.98	or 11+10log(B) =	27.05	PASS
02	5310	MCS0	242/62	12.27	12.25	15.28	33.748	23.98	or 11+10log(B) =	27.05	PASS
102	5510	MCS0	full	16.12	16.46	19.32	85.424	23.98	or 11+10log(B) =	27.10	PASS
102	5510	MCS0	242/61	15.98	16.15	19.09	81.065	23.98	or 11+10log(B) =	27.10	PASS
110	5550	MCS0	full	16.76	17.01	19.91	97.933	23.98	or 11+10log(B) =	27.07	PASS
134	5670	MCS0	full	16.64	17.07	19.88	97.337	23.98	or 11+10log(B) =	27.06	PASS
154	5070	MCS0	242/62	16.6	16.92	19.79	95.179	23.98	or 11+10log(B) =	27.06	PASS
142	5710(U-NII 2C)	MCS0	full	16.06	16.17	19.13	81.876	23.98	or 11+10log(B) =	27.07	PASS
142	5710 (U-NII 3)	MCS0	full	7.89	7.88	10.96	12.480		30		PASS
151	5755	MCS0	full	17.02	16.54	19.81	95.700		30		PASS
131	5755	MCS0	242/61	16.85	16.47	19.69	93.039		30		PASS
159	5795	MCS0	full	17.09	16.57	19.86	96.833		30		PASS

802.11ac_VHT80_Ch0

СН	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)		REQUIRED LIMIT (dBm)		RESULT
42	5210	MCS0	15.16	32.826		23.98		PASS
58	5290	MCS0	15.18	32.978	23.98	or 11+10log(B) =	30.76	PASS
106	5530	MCS0	15.46	35.174	23.98	or 11+10log(B) =	30.39	PASS
122	5610	MCS0	19.62	91.668	23.98	or 11+10log(B) =	30.25	PASS
138	5690(U-NII 2C)	MCS0	18.68	73.826	23.98	or 11+10log(B) =	30.18	PASS
138	5690 (U-NII 3)	MCS0	7.92	6.198		30		PASS
155	5775	MCS0	19.22	83.602		30		PASS

802.11ac VHT80 Ch1

СН	Frequency (MHz)	Data Rate	TOTAL POWER (dBm)	TOTAL POWER (mW)		REQUIRED LIMIT (dBm)				
42	5210	MCS0	15.25	33.513		23.98		PASS		
58	5290	MCS0	15.32	34.058	23.98	or 11+10log(B) =	30.14	PASS		
106	5530	MCS0	15.70	37.172	23.98	or 11+10log(B) =	30.13	PASS		
122	5610	MCS0	19.69	93.157	23.98	or 11+10log(B) =	30.12	PASS		
138	5690(U-NII 2C)	MCS0	19.24	84.031	23.98	or 11+10log(B) =	30.16	PASS		
138	5690 (U-NII 3)	MCS0	8.32	6.797		30		PASS		
155	5775	MCS0	19.64	92.091		30		PASS		

802.11ac_VHT80_MIMO

сн	Frequency	Data	Avg. POV	/ER (dBm)	TOTAL	TOTAL POWER		REQUIRED LIMIT		RESULT	
СП	(MHz)	Rate	CH 0	CH 1	(dBm)	(mW)		(dBm)		RECOL	
42	5210	MCS0	12.34	12.96	15.68	37.013		23.98		PASS	
58	5290	MCS0	12.81	13.02	15.94	39.253	23.98	or 11+10log(B) =	30.14	PASS	
106	5530	MCS0	15.7	16.11	18.93	78.204	23.98	or 11+10log(B) =	30.13	PASS	
122	5610	MCS0	16.67	17.1	19.91	98.012	23.98	or 11+10log(B) =	30.12	PASS	
138	5690(U-NII 2C)	MCS0	16.00	16.54	19.30	85.025	23.98	or 11+10log(B) =	30.16	PASS	
138	5690 (U-NII 3)	MCS0	5.24	5.62	8.54	7.138		30		PASS	
155	5775	MCS0	16.91	16.55	19.76	94.541		30		PASS	

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802.11ax_80_Ch0

СН	Frequency (MHz)	Data Rate	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)		REQUIRED LIMIT (dBm)		RESULT
42	5210	MCS0	full	12.75	18.831		23.98		PASS
42	5210	MCS0	484/65	12.63	18.318		23.98		PASS
го	5200	MCS0	full	12.91	19.538	23.98	or 11+10log(B) =	30.39	PASS
58	5290	MCS0	484/66	12.78	18.961	23.98	or 11+10log(B) =	30.39	PASS
106	5520	MCS0	full	16.23	41.963	23.98	or 11+10log(B) =	30.20	PASS
106	5530	MCS0	484/65	16.16	41.293	23.98	or 11+10log(B) =	30.20	PASS
122	5610	MCS0	full	19.68	92.869	23.98	or 11+10log(B) =	30.19	PASS
138	5690(U-NII 2C)	MCS0	full	18.84	76.512	23.98	or 11+10log(B) =	30.12	PASS
138	5690 (U-NII 3)	MCS0	full	7.69	5.878		30		PASS
455	5375	MCS0	full	19.29	84.893		30		PASS
155	5775	MCS0	484/66	19.15	82.200		30		PASS
802.11ax	_80_Ch1								

СН	Frequency (MHz)	Data Rate	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)		REQUIRED LIMIT (dBm)		RESULT
42	5210	MCS0	full	12.85	19.270		23.98		PASS
42	5210	MCS0	484/65	12.74	18.788		23.98		PASS
FO	E200	MCS0	full	12.65	18.402	23.98	or 11+10log(B) =	30.15	PASS
58	5290	MCS0	484/66	12.53	17.901	23.98	or 11+10log(B) =	30.15	PASS
106	5530	MCS0	full	16.55	45.172	23.98	or 11+10log(B) =	30.11	PASS
100	5550	MCS0	484/65	16.43	43.941	23.98	or 11+10log(B) =	30.11	PASS
122	5610	MCS0	full	19.73	93.945	23.98	or 11+10log(B) =	30.11	PASS
138	5690(U-NII 2C)	MCS0	full	19.34	85.809	23.98	or 11+10log(B) =	30.12	PASS
138	5690 (U-NII 3)	MCS0	full	8.22	6.634		30		PASS
155	F77F	MCS0	full	19.73	93.945		30		PASS
155	5775	MCS0	484/66	19.62	91.595		30		PASS

802.11ax_80_MIMO

СН	Frequency	Data RU config.			/ER (dBm)	TOTAL	TOTAL POWER		REQUIRED LIMIT		RESULT
Ch	(MHz)	Rate	KU COIIIIg.	CH 0	CH 1	(dBm)	(mW)		(dBm)		RESULI
42	5210	MCS0	full	12.31	12.87	15.63	36.543		23.98		PASS
42	5210	MCS0	484/65	12.24	12.79	15.55	35.915		23.98		PASS
58	5290	MCS0	full	12.04	12.13	15.11	32.466	23.98	or 11+10log(B) =	30.15	PASS
50	5290	MCS0	484/66	11.96	12.02	15.02	31.762	23.98	or 11+10log(B) =	30.15	PASS
106	5530	MCS0	full	15.31	15.64	18.51	70.911	23.98	or 11+10log(B) =	30.11	PASS
100	5550	MCS0	484/65	15.26	15.51	18.42	69.435	23.98	or 11+10log(B) =	30.11	PASS
122	5610	MCS0	full	16.39	17.02	19.75	94.307	23.98	or 11+10log(B) =	30.11	PASS
138	5690(U-NII 2C)	MCS0	full	16.28	16.81	19.58	90.796	23.98	or 11+10log(B) =	30.12	PASS
138	5690 (U-NII 3)	MCS0	full	5.13	5.69	8.44	6.975		30		PASS
155	5775	MCS0	full	16.84	16.63	19.77	94.739		30		PASS
155	5775	MCS0	484/66	16.73	16.58	19.68	92.996		30		PASS

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9.5.2 ISED EIRP

802.11a_Ch0

СН	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
36	5180	14.51	3.700	18.21	66.269	23.01	or 10+10log(B)=	22.18	PASS
44	5220	15.01	3.700	18.71	74.356	23.01	or 10+10log(B)=	22.17	PASS
48	5240	14.95	3.700	18.65	73.335	23.01	or 10+10log(B)=	22.16	PASS
52	5260	19.72	3.700	23.42	219.945	30	or 17+10log(B)=	29.16	PASS
60	5300	19.35	3.700	23.05	201.982	30	or 17+10log(B)=	29.16	PASS
64	5320	18.54	3.700	22.24	167.615	30	or 17+10log(B)=	29.16	PASS
100	5500	19.15	3.700	22.85	192.892	30	or 17+10log(B)=	29.15	PASS
116	5580	18.91	3.700	22.61	182.521	30	or 17+10log(B)=	29.15	PASS
140	5700	18.93	3.700	22.63	183.364	30	or 17+10log(B)=	29.16	PASS
802.11a_	_Ch1								

СН	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
36	5180	14.69	1.700	16.39	43.583	23.01	or 10+10log(B)=	22.15	PASS
44	5220	15.12	1.700	16.82	48.119	23.01	or 10+10log(B)=	22.15	PASS
48	5240	15.04	1.700	16.74	47.240	23.01	or 10+10log(B)=	22.15	PASS
52	5260	19.56	1.700	21.26	133.756	30	or 17+10log(B)=	29.15	PASS
60	5300	19.51	1.700	21.21	132.225	30	or 17+10log(B)=	29.15	PASS
64	5320	18.18	1.700	19.88	97.345	30	or 17+10log(B)=	29.15	PASS
100	5500	19.79	1.700	21.49	141.031	30	or 17+10log(B)=	29.15	PASS
116	5580	19.58	1.700	21.28	134.373	30	or 17+10log(B)=	29.15	PASS
140	5700	19.61	1.700	21.31	135.305	30	or 17+10log(B)=	29.15	PASS
802.11a	_2Tx								

REQUIRED TOTAL Antenna EIRP EIRP Frequency СН POWER Gain LIMIT RESULT (MHz) (dBm) (mW) (dBm) (dBi) (dBm) 36 5180 15.04 5.768 20.80 120.361 23.01 or 10+10log(B)= 22.1466 PASS 44 5220 15.33 5.768 21.10 128.744 23.01 or 10+10log(B)= 22.1471 PASS 48 5240 15.27 5.768 21.04 126.934 23.01 or 10+10log(B)= 22.1471 PASS PASS 19.73 5.768 25.50 29.1479 52 5260 354.777 30 or 17+10log(B)= PASS 60 5300 19.60 5.768 25.37 344.295 30 29.1476 or 17+10log(B)= 64 5320 19.72 5.768 25.49 353.732 30 29.1479 PASS or 17+10log(B)= 100 5500 19.83 5.768 25.59 362.548 30 or 17+10log(B)= 29.149 PASS 116 5580 19.86 5.768 25.63 365.763 30 29.1492 PASS or 17+10log(B)= 140 19.69 5.768 25.46 351.290 30 5700 or 17+10log(B)= 29.15 PASS

802.11n_HT20_Ch0

СН	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
36	5180	14.90	3.700	18.60	72.379	23.01	or 10+10log(B)=	22.47	PASS
44	5220	15.09	3.700	18.79	75.615	23.01	or 10+10log(B)=	22.46	PASS
48	5240	15.15	3.700	18.85	76.667	23.01	or 10+10log(B)=	22.46	PASS
52	5260	19.68	3.700	23.38	217.575	30	or 17+10log(B)=	29.47	PASS
60	5300	19.37	3.700	23.07	202.586	30	or 17+10log(B)=	29.46	PASS
64	5320	18.49	3.700	22.19	165.428	30	or 17+10log(B)=	29.45	PASS
100	5500	19.09	3.700	22.79	189.937	30	or 17+10log(B)=	29.45	PASS
116	5580	18.93	3.700	22.63	183.067	30	or 17+10log(B)=	29.45	PASS
140	5700	18.90	3.700	22.60	181.807	30	or 17+10log(B)=	29.45	PASS

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802.11n_HT20_Ch1

СН	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
36	5180	15.03	1.700	16.73	47.055	23.01	or 10+10log(B)=	22.44	PASS
44	5220	15.25	1.700	16.95	49.501	23.01	or 10+10log(B)=	22.44	PASS
48	5240	15.31	1.700	17.01	50.189	23.01	or 10+10log(B)=	22.44	PASS
52	5260	19.54	1.700	21.24	132.926	30	or 17+10log(B)=	22.44	PASS
60	5300	19.73	1.700	21.43	138.870	30	or 17+10log(B)=	22.44	PASS
64	5320	18.37	1.700	20.07	101.534	30	or 17+10log(B)=	22.44	PASS
100	5500	19.76	1.700	21.46	139.833	30	or 17+10log(B)=	22.44	PASS
116	5580	19.52	1.700	21.22	132.315	30	or 17+10log(B)=	22.44	PASS
140	5700	19.25	1.700	20.95	124.340	30	or 17+10log(B)=	22.45	PASS
802.11n	_HT20_MIMO								

СН	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
36	5180	15.26	5.768	21.02	126.556	23.01	or 10+10log(B)=	22.4408	PASS
44	5220	15.48	5.768	21.25	133.306	23.01	or 10+10log(B)=	22.4396	PASS
48	5240	15.52	5.768	21.29	134.481	23.01	or 10+10log(B)=	22.4396	PASS
52	5260	19.83	5.768	25.60	362.737	30	or 17+10log(B)=	29.4425	PASS
60	5300	19.87	5.768	25.64	366.224	30	or 17+10log(B)=	29.4423	PASS
64	5320	19.71	5.768	25.48	352.800	30	or 17+10log(B)=	29.4386	PASS
100	5500	19.78	5.768	25.55	358.940	30	or 17+10log(B)=	29.4435	PASS
116	5580	19.77	5.768	25.54	358.031	30	or 17+10log(B)=	29.4405	PASS
140	5700	19.52	5.768	25.28	337.631	30	or 17+10log(B)=	29.4455	PASS

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СН	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
		full	15.19	3.700	18.89	77.423	23.01	or 10+10log(B)=	22.7777	PASS
36	5180	26/0	6.47	3.700	10.17	10.396	23.01	or 10+10log(B)=	22.7777	PASS
50	5190	52/37	9.43	3.700	13.13	20.553	23.01	or 10+10log(B)=	22.7777	PASS
		106/53	12.45	3.700	16.15	41.198	23.01	or 10+10log(B)=	22.7777	PASS
44	5220	full	15.33	3.700	19.03	79.960	23.01	or 10+10log(B)=	22.7775	PASS
48	5240	full	15.31	3.700	19.01	79.592	23.01	or 10+10log(B)=	22.7809	PASS
52	5260	full	19.72	3.700	23.42	219.721	30	or 17+10log(B)=	29.7818	PASS
60	5300	full	19.44	3.700	23.14	206.002	30	or 17+10log(B)=	29.7809	PASS
		full	17.54	3.700	21.24	133.006	30	or 17+10log(B)=	29.7772	PASS
64	5320	26/8	13.24	3.700	16.94	49.416	30	or 17+10log(B)=	29.7772	PASS
04	5520	52/40	15.92	3.700	19.62	91.595	30	or 17+10log(B)=	29.7772	PASS
		106/54	17.34	3.700	21.04	127.020	30	or 17+10log(B)=	29.7772	PASS
		full	18.48	3.700	22.18	165.147	30	or 17+10log(B)=	29.769	PASS
100	5500	26/0	13.57	3.700	17.27	53.318	30	or 17+10log(B)=	29.769	PASS
100	5500	52/37	16.20	3.700	19.90	97.695	30	or 17+10log(B)=	29.769	PASS
		106/53	18.40	3.700	22.10	162.133	30	or 17+10log(B)=	29.769	PASS
116	5580	full	19.03	3.700	22.73	187.444	30	or 17+10log(B)=	29.7694	PASS
		full	18.30	3.700	22.00	158.442	30	or 17+10log(B)=	29.7722	PASS
140	5700	26/8	13.93	3.700	17.63	57.926	30	or 17+10log(B)=	29.7722	PASS
140	5700	52/40	16.76	3.700	20.46	111.140	30	or 17+10log(B)=	29.7722	PASS
		106/54	18.13	3.700	21.83	152.360	30	or 17+10log(B)=	29.7722	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 (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
		full	15.07	1.700	16.77	47.519	23.01	or 10+10log(B)=	22.7582	PASS
36	5180	26/0	6.42	1.700	8.12	6.484	23.01	or 10+10log(B)=	22.7582	PASS
30	5100	52/37	9.38	1.700	11.08	12.820	23.01	or 10+10log(B)=	22.7582	PASS
		106/53	12.40	1.700	14.10	25.696	23.01	or 10+10log(B)=	22.7582	PASS
44	5220	full	15.39	1.700	17.09	51.153	23.01	or 10+10log(B)=	22.757	PASS
48	5240	full	15.34	1.700	17.04	50.568	23.01	or 10+10log(B)=	22.7607	PASS
52	5260	full	19.56	1.700	21.26	133.620	30	or 17+10log(B)=	29.7589	PASS
60	5300	full	19.77	1.700	21.47	140.240	30	or 17+10log(B)=	29.7559	PASS
		full	17.29	1.700	18.99	79.227	30	or 17+10log(B)=	29.7568	PASS
64	5320	26/8	13.20	1.700	14.90	30.894	30	or 17+10log(B)=	29.7568	PASS
04	5520	52/40	15.81	1.700	17.51	56.347	30	or 17+10log(B)=	29.7568	PASS
		106/54	17.13	1.700	18.83	76.361	30	or 17+10log(B)=	29.7568	PASS
		full	18.33	1.700	20.03	100.663	30	or 17+10log(B)=	29.7598	PASS
100	5500	26/0	13.49	1.700	15.19	33.027	30	or 17+10log(B)=	29.7598	PASS
100	0000	52/37	16.25	1.700	17.95	62.355	30	or 17+10log(B)=	29.7598	PASS
		106/53	18.26	1.700	19.96	99.054	30	or 17+10log(B)=	29.7598	PASS
116	5580	full	19.56	1.700	21.26	133.620	30	or 17+10log(B)=	29.7619	PASS
		full	18.11	1.700	19.81	95.691	30	or 17+10log(B)=	29.7662	PASS
140	5700	26/8	13.79	1.700	15.49	35.389	30	or 17+10log(B)=	29.7662	PASS
140	5700	52/40	16.53	1.700	18.23	66.508	30	or 17+10log(B)=	29.7662	PASS
		106/54	17.96	1.700	19.66	92.442	30	or 17+10log(B)=	29.7662	PASS
802.11ax			17.96	1.700	19.66	92.442	30	or 17+10log(B)=	29.7662	PASS
802.11ax			17.96 TOTAL	1.700 Antenna			30	or 17+10log(B)=	29.7662	PASS
802.11ax	Frequency				EIRP	EIRP	30		<u>* 29.7662</u>	RESULT
		106/54	TOTAL	Antenna Gain			30	REQUIRED LIMIT	<u>* 29.7662</u>	
	Frequency	106/54 RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
СН	Frequency (MHz)	106/54 RU config. full	TOTAL POWER (dBm) 15.42	Antenna Gain (dBi) 5.768	EIRP (dBm) 21.19	EIRP (mW) 131.385	23.01	REQUIRED LIMIT (dBm) or 10+10log(B)=	22.7582	RESULT PASS
	Frequency	106/54 RU config. full 26/0	TOTAL POWER (dBm) 15.42 6.57	Antenna Gain (dBi) 5.768 5.768	EIRP (dBm) 21.19 12.34	EIRP (mW) 131.385 17.149	23.01 23.01	REQUIRED LIMIT (dBm) or 10+10log(B)= or 10+10log(B)=	22.7582 22.7582	RESULT PASS PASS
СН	Frequency (MHz)	106/54 RU config. full 26/0 52/37	TOTAL POWER (dBm) 15.42 6.57 9.82	Antenna Gain (dBi) 5.768 5.768 5.768	EIRP (dBm) 21.19 12.34 15.59	EIRP (mW) 131.385 17.149 36.228	23.01 23.01 23.01	REQUIRED LIMIT (dBm) or 10+10log(B)= or 10+10log(B)= or 10+10log(B)=	22.7582 22.7582 22.7582	RESULT PASS PASS PASS
СН	Frequency (MHz) 5180	106/54 RU config. full 26/0 52/37 106/53	TOTAL POWER (dBm) 15.42 6.57	Antenna Gain (dBi) 5.768 5.768 5.768 5.768 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60	EIRP (mW) 131.385 17.149 36.228 72.498	23.01 23.01 23.01 23.01 23.01	REQUIRED LIMIT (dBm) or 10+10log(B)= or 10+10log(B)= or 10+10log(B)= or 10+10log(B)= or 10+10log(B)=	22.7582 22.7582	RESULT PASS PASS PASS PASS
СН 36	Frequency (MHz)	106/54 RU config. full 26/0 52/37	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84	Antenna Gain (dBi) 5.768 5.768 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44	EIRP (mW) 131.385 17.149 36.228	23.01 23.01 23.01 23.01 23.01 23.01	REQUIRED LIMIT (dBm) or 10+10log(B)=	22.7582 22.7582 22.7582 22.7582 22.7582	RESULT PASS PASS PASS
CH 36 44 48	Frequency (MHz) 5180 5220 5240	106/54 RU config. full 26/0 52/37 106/53 full	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67	Antenna Gain (dBi) 5.768 5.768 5.768 5.768 5.768 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60	EIRP (mW) 131.385 17.149 36.228 72.498 139.372	23.01 23.01 23.01 23.01 23.01	REQUIRED LIMIT (dBm) or 10+10log(B)=	22.7582 22.7582 22.7582 22.7582 22.7582 22.757	RESULT PASS PASS PASS PASS PASS
CH 36 44 48 52	Frequency (MHz) 5180 5220 5240 5260	106/54 RU config. full 26/0 52/37 106/53 full full full	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67 15.56	Antenna Gain (dBi) 5.768 5.768 5.768 5.768 5.768 5.768 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44 21.32 25.67	EIRP (mW) 131.385 17.149 36.228 72.498 139.372 135.642	23.01 23.01 23.01 23.01 23.01 23.01 23.01 30	REQUIRED LIMIT (dBm) or 10+10log(B)=	22.7582 22.7582 22.7582 22.7582 22.7582 22.757 22.7607	RESULT PASS PASS PASS PASS PASS PASS PASS
CH 36 44 48	Frequency (MHz) 5180 5220 5240	106/54 RU config. full 26/0 52/37 106/53 full full	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67 15.56 19.90	Antenna Gain (dBi) 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44 21.32	EIRP (mW) 131.385 17.149 36.228 72.498 139.372 135.642 368.982	23.01 23.01 23.01 23.01 23.01 23.01 23.01	REQUIRED LIMIT (dBm) or 10+10log(B)= or 17+10log(B)= or 17+10log(B)=	22.7582 22.7582 22.7582 22.7582 22.757 22.7607 29.7589	RESULT PASS PASS PASS PASS PASS PASS
CH 36 44 48 52 60	Frequency (MHz) 5180 5220 5240 5260 5300	106/54 RU config. full 26/0 52/37 106/53 full full full full full	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67 15.56 19.90 19.93	Antenna Gain (dBi) 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44 21.32 25.67 25.69	EIRP (mW) 131.385 17.149 36.228 72.498 139.372 135.642 368.982 371.098	23.01 23.01 23.01 23.01 23.01 23.01 23.01 30 30 30	REQUIRED LIMIT (dBm) or 10+10log(B)= or 17+10log(B)= or 17+10log(B)= or 17+10log(B)=	22.7582 22.7582 22.7582 22.7582 22.757 22.7607 29.7589 29.7559	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
CH 36 44 48 52	Frequency (MHz) 5180 5220 5240 5260	106/54 RU config. full 26/0 52/37 106/53 full full full full full full 26/8	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67 15.56 19.90 19.93 19.81 13.41	Antenna Gain (dBi) 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44 21.32 25.67 25.69 25.58	EIRP (mW) 131.385 17.149 36.228 72.498 139.372 135.642 368.982 371.098 361.201 82.782	23.01 23.01 23.01 23.01 23.01 23.01 23.01 30 30 30 30	REQUIRED LIMIT (dBm) or 10+10log(B)= or 17+10log(B)= or 17+10log(B)= or 17+10log(B)= or 17+10log(B)=	22.7582 22.7582 22.7582 22.7582 22.757 22.7607 29.7589 29.7559 29.7568 29.7568	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
CH 36 44 48 52 60	Frequency (MHz) 5180 5220 5240 5260 5300	106/54 RU config. full 26/0 52/37 106/53 full full full full full	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67 15.56 19.90 19.93 19.81	Antenna Gain (dBi) 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44 21.32 25.67 25.69 25.58 19.18	EIRP (mW) 131.385 17.149 36.228 72.498 139.372 135.642 368.982 371.098 361.201	23.01 23.01 23.01 23.01 23.01 23.01 23.01 30 30 30	REQUIRED LIMIT (dBm) or 10+10log(B)= or 17+10log(B)= or 17+10log(B)= or 17+10log(B)= or 17+10log(B)= or 17+10log(B)= or 17+10log(B)=	22.7582 22.7582 22.7582 22.7582 22.757 22.7607 29.7589 29.7559 29.7568	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
CH 36 44 48 52 60	Frequency (MHz) 5180 5220 5240 5260 5300	106/54 RU config. full 26/0 52/37 106/53 full full full full full full 26/8 52/40	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67 15.56 19.90 19.93 19.81 13.41 16.25	Antenna Gain (dBi) 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44 21.32 25.67 25.69 25.58 19.18 22.02	EIRP (mW) 131.385 17.149 36.228 72.498 139.372 135.642 368.982 371.098 361.201 82.782 159.210	23.01 23.01 23.01 23.01 23.01 23.01 23.01 30 30 30 30 30 30 30	REQUIRED LIMIT (dBm) or 10+10log(B)= or 17+10log(B)= or 17+10log(B)= or 17+10log(B)= or 17+10log(B)=	22.7582 22.7582 22.7582 22.757 22.7607 29.7589 29.7559 29.7568 29.7568 29.7568	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
CH 36 44 48 52 60 64	Frequency (MHz) 5180 5220 5240 5260 5300 5320	106/54 RU config. full 26/0 52/37 106/53 full full full full full full 26/8 52/40 106/54	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67 15.56 19.90 19.93 19.81 13.41 16.25 18.97	Antenna Gain (dBi) 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44 21.32 25.67 25.69 25.58 19.18 22.02 24.74	EIRP (mW) 131.385 17.149 36.228 72.498 139.372 135.642 368.982 371.098 361.201 82.782 159.210 297.668	23.01 23.01 23.01 23.01 23.01 23.01 23.01 30 30 30 30 30 30 30 30	REQUIRED LIMIT (dBm) or 10+10log(B)= or 17+10log(B)=	22.7582 22.7582 22.7582 22.757 22.7607 29.7589 29.7559 29.7568 29.7568 29.7568 29.7568	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
CH 36 44 48 52 60	Frequency (MHz) 5180 5220 5240 5260 5300	106/54 RU config. full 26/0 52/37 106/53 full full full full full 101 full 26/8 52/40 106/54 full	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67 15.56 19.90 19.93 19.81 13.41 16.25 18.97 19.85	Antenna Gain (dBi) 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44 21.32 25.67 25.69 25.58 19.18 22.02 24.74 25.61	EIRP (mW) 131.385 17.149 36.228 72.498 139.372 135.642 368.982 371.098 361.201 82.782 159.210 297.668 364.198	23.01 23.01 23.01 23.01 23.01 23.01 23.01 30 30 30 30 30 30 30 30 30 30	REQUIRED LIMIT (dBm) or 10+10log(B)= or 17+10log(B)=	22.7582 22.7582 22.7582 22.757 22.757 22.7607 29.7589 29.7559 29.7568 29.7568 29.7568 29.7568 29.7568	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
CH 36 44 48 52 60 64	Frequency (MHz) 5180 5220 5240 5260 5300 5320	106/54 RU config. full 26/0 52/37 106/53 full full full full full 26/8 52/40 106/54 full 26/0	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67 15.56 19.90 19.93 19.81 13.41 16.25 18.97 19.85 13.61	Antenna Gain (dBi) 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44 21.32 25.67 25.69 25.58 19.18 22.02 24.74 25.61 19.38	EIRP (mW) 131.385 17.149 36.228 72.498 139.372 135.642 368.982 371.098 361.201 82.782 159.210 297.668 364.198 86.635	23.01 23.01 23.01 23.01 23.01 23.01 23.01 30 30 30 30 30 30 30 30 30 30 30 30 30	REQUIRED LIMIT (dBm) or 10+10log(B)= or 17+10log(B)=	22.7582 22.7582 22.7582 22.757 22.7607 29.7589 29.7559 29.7568 29.7568 29.7568 29.7568 29.7568 29.7568 29.7598	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
CH 36 44 48 52 60 64	Frequency (MHz) 5180 5220 5240 5260 5300 5320	106/54 RU config. full 26/0 52/37 106/53 full full full full 101 full 26/8 52/40 106/54 full 26/0 52/37	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67 15.56 19.90 19.93 19.81 13.41 16.25 18.97 19.85 13.61 16.42	Antenna Gain (dBi) 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44 21.32 25.67 25.69 25.58 19.18 22.02 24.74 25.61 19.38 22.19	EIRP (mW) 131.385 17.149 36.228 72.498 139.372 135.642 368.982 371.098 361.201 82.782 159.210 297.668 364.198 86.635 165.644	23.01 23.01 23.01 23.01 23.01 23.01 23.01 30 30 30 30 30 30 30 30 30 30 30 30 30	REQUIRED LIMIT (dBm) or 10+10log(B)= or 17+10log(B)=	22.7582 22.7582 22.7582 22.757 22.7607 29.7589 29.7568 29.7568 29.7568 29.7568 29.7568 29.7568 29.7568 29.7598 29.7598	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
CH 36 44 48 52 60 64 100	Frequency (MHz) 5180 5220 5240 5260 5300 5320 55500	106/54 RU config. full 26/0 52/37 106/53 full full full full full 26/8 52/40 106/54 full 26/0 52/37 106/53	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67 15.56 19.90 19.93 19.81 13.41 16.25 18.97 19.85 13.61 16.42 19.19	Antenna Gain (dBi) 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44 21.32 25.67 25.69 25.58 19.18 22.02 24.74 25.61 19.38 22.19 24.95	EIRP (mW) 131.385 17.149 36.228 72.498 139.372 135.642 368.982 371.098 361.201 82.782 159.210 297.668 364.198 86.635 165.644 312.864	23.01 23.01 23.01 23.01 23.01 23.01 23.01 30 30 30 30 30 30 30 30 30 30 30 30 30	REQUIRED LIMIT (dBm) or 10+10log(B)= or 17+10log(B)= or 17+10log(B)=	22.7582 22.7582 22.7582 22.757 22.7607 29.7589 29.7559 29.7568 29.7568 29.7568 29.7568 29.7568 29.7568 29.7598 29.7598 29.7598	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
CH 36 44 48 52 60 64 100 116	Frequency (MHz) 5180 5220 5240 5260 5300 5320 55500 5580	106/54 RU config. full 26/0 52/37 106/53 full full full full full 26/8 52/40 106/54 full 26/0 52/37 106/53 full	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67 15.56 19.90 19.93 19.81 13.41 16.25 18.97 19.85 13.61 16.42 19.19 19.87	Antenna Gain (dBi) 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44 21.32 25.67 25.69 25.58 19.18 22.02 24.74 25.61 19.38 22.19 24.95 25.64	EIRP (mW) 131.385 17.149 36.228 72.498 139.372 135.642 368.982 371.098 361.201 82.782 159.210 297.668 364.198 86.635 165.644 312.864 366.191	23.01 23.01 23.01 23.01 23.01 23.01 23.01 23.01 30 30 30 30 30 30 30 30 30 30 30 30 30	REQUIRED LIMIT (dBm) or 10+10log(B)= or 17+10log(B)=	22.7582 22.7582 22.7582 22.7582 22.757 22.7607 29.7559 29.7568 29.7568 29.7568 29.7568 29.7568 29.7568 29.7568 29.7598 29.7598 29.7598 29.7598 29.7598 29.7598	RESULT PASS PASS PASS PASS PASS PASS PASS PAS
CH 36 44 48 52 60 64 100	Frequency (MHz) 5180 5220 5240 5260 5300 5320 55500	106/54 RU config. full 26/0 52/37 106/53 full full full full full 26/8 52/40 106/54 full 26/0 52/37 106/53 full 106/53 full full 26/0	TOTAL POWER (dBm) 15.42 6.57 9.82 12.84 15.67 15.56 19.90 19.93 19.81 13.41 16.25 18.97 19.85 13.61 16.42 19.19 19.87 19.73	Antenna Gain (dBi) 5.768	EIRP (dBm) 21.19 12.34 15.59 18.60 21.44 21.32 25.67 25.69 25.58 19.18 22.02 24.74 25.61 19.38 22.19 24.95 25.64 25.49	EIRP (mW) 131.385 17.149 36.228 72.498 139.372 135.642 368.982 371.098 361.201 82.782 159.210 297.668 364.198 86.635 165.644 312.864 366.191 354.287	23.01 23.01 23.01 23.01 23.01 23.01 23.01 30 30 30 30 30 30 30 30 30 30 30 30 30	REQUIRED LIMIT (dBm) or 10+10log(B)= or 17+10log(B)= or 17+10log(B)=	22.7582 22.7582 22.7582 22.757 22.757 22.7607 29.7589 29.7568 29.7568 29.7568 29.7568 29.7568 29.7568 29.7568 29.7598 29.7598 29.7598 29.7598 29.7598 29.7598	RESULT PASS PASS PASS PASS PASS PASS PASS PAS

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802.11n_HT40_Ch0

СН	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
38	5190	16.04	3.700	19.74	94.236	23.01	or 10+10log(B)=	25.56	PASS
46	5230	16.58	3.700	20.28	106.713	23.01	or 10+10log(B)=	25.56	PASS
54	5270	19.55	3.700	23.25	211.455	30	or 17+10log(B)=	32.56	PASS
62	5310	15.40	3.700	19.10	81.324	30	or 17+10log(B)=	32.56	PASS
102	5510	17.06	3.700	20.76	119.184	30	or 17+10log(B)=	32.56	PASS
110	5550	19.59	3.700	23.29	213.411	30	or 17+10log(B)=	32.56	PASS
134	5670	19.54	3.700	23.24	210.969	30	or 17+10log(B)=	32.56	PASS

802.11n_HT40_Ch1

СН	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
38	5190	16.26	1.700	17.96	62.549	23.01	or 10+10log(B)=	25.55	PASS
46	5230	16.77	1.700	18.47	70.342	23.01	or 10+10log(B)=	25.56	PASS
54	5270	19.67	1.700	21.37	137.157	30	or 17+10log(B)=	32.56	PASS
62	5310	15.60	1.700	17.30	53.730	30	or 17+10log(B)=	32.55	PASS
102	5510	17.33	1.700	19.03	80.024	30	or 17+10log(B)=	32.55	PASS
110	5550	19.59	1.700	21.29	134.654	30	or 17+10log(B)=	32.56	PASS
134	5670	19.56	1.700	21.26	133.727	30	or 17+10log(B)=	32.55	PASS

802.11n_HT40_MIMO

СН	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
38	5190	16.43	5.768	22.20	165.804	23.01	or 10+10log(B)=	25.5534	PASS
46	5230	17.01	5.768	22.78	189.557	23.01	or 10+10log(B)=	25.5569	PASS
54	5270	19.84	5.768	25.61	363.906	30	or 17+10log(B)=	32.5551	PASS
62	5310	16.53	5.768	22.30	169.678	30	or 17+10log(B)=	32.5548	PASS
102	5510	19.46	5.768	25.23	333.330	30	or 17+10log(B)=	32.5532	PASS
110	5550	19.91	5.768	25.68	369.656	30	or 17+10log(B)=	32.5565	PASS
134	5670	19.83	5.768	25.60	362.685	30	or 17+10log(B)=	32.5541	PASS

802.11ax_40_Ch0

СН	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
38	5190	full	13.44	3.700	17.14	51.787	23.01	or 10+10log(B)=	25.7661	PASS
50	5190	242/61	13.11	3.700	16.81	47.997	23.01	or 10+10log(B)=	25.7661	PASS
46	5230	full	16.61	3.700	20.31	107.453	23.01	or 10+10log(B)=	25.7651	PASS
54	5270	full	19.55	3.700	23.25	211.455	30	or 17+10log(B)=	32.7619	PASS
62	5310	full	15.24	3.700	18.94	78.382	30	or 17+10log(B)=	32.7624	PASS
02	5510	242/62	15.07	3.700	18.77	75.373	30	or 17+10log(B)=	32.7624	PASS
102	FF10	full	16.48	3.700	20.18	104.284	30	or 17+10log(B)=	32.7604	PASS
102	5510	242/61	16.22	3.700	19.92	98.224	30	or 17+10log(B)=	32.7604	PASS
110	5550	full	19.77	3.700	23.47	222.442	30	or 17+10log(B)=	32.7601	PASS
124	F.C.70	full	19.55	3.700	23.25	211.455	30	or 17+10log(B)=	32.7597	PASS
134	5670	242/62	19.28	3.700	22.98	198.709	30	or 17+10log(B)=	32.7597	PASS

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802.11ax_40_Ch1

СН	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
38	5190	full	13.68	1.700	15.38	34.532	23.01	or 10+10log(B)=	25.7583	PASS
20	5190	242/61	13.34	1.700	15.04	31.931	23.01	or 10+10log(B)=	25.7583	PASS
46	5230	full	16.66	1.700	18.36	68.583	23.01	or 10+10log(B)=	25.7549	PASS
54	5270	full	19.64	1.700	21.34	136.213	30	or 17+10log(B)=	32.7541	PASS
62	5210	full	15.29	1.700	16.99	50.029	30	or 17+10log(B)=	32.7527	PASS
62	5310	242/62	15.14	1.700	16.84	48.330	30	or 17+10log(B)=	32.7527	PASS
102	5510	full	16.65	1.700	18.35	68.425	30	or 17+10log(B)=	32.7544	PASS
102	5510	242/61	16.38	1.700	18.08	64.301	30	or 17+10log(B)=	32.7544	PASS
110	5550	full	19.57	1.700	21.27	134.035	30	or 17+10log(B)=	32.7559	PASS
124	5670	full	19.50	1.700	21.20	131.892	30	or 17+10log(B)=	32.7549	PASS
134	5070	242/62	19.29	1.700	20.99	125.666	30	or 17+10log(B)=	32.7549	PASS

802.11ax 40 MIMO

СН	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
38	5190	full	15.83	5.768	21.59	144.354	23.01	or 10+10log(B)=	25.7583	PASS
50	5190	242/61	15.66	5.768	21.42	138.821	23.01	or 10+10log(B)=	25.7583	PASS
46	5230	full	16.91	5.768	22.68	185.252	23.01	or 10+10log(B)=	25.7549	PASS
54	5270	full	19.66	5.768	25.43	349.357	30	or 17+10log(B)=	32.7541	PASS
62	5210	full	15.31	5.768	21.08	128.261	30	or 17+10log(B)=	32.7527	PASS
62	5310	242/62	15.28	5.768	21.05	127.357	30	or 17+10log(B)=	32.7527	PASS
100	5510	full	19.32	5.768	25.08	322.370	30	or 17+10log(B)=	32.7544	PASS
102	5510	242/61	19.09	5.768	24.86	305.918	30	or 17+10log(B)=	32.7544	PASS
110	5550	full	19.91	5.768	25.68	369.574	30	or 17+10log(B)=	32.7559	PASS
124	FC70	full	19.88	5.768	25.65	367.328	30	or 17+10log(B)=	32.7549	PASS
134	5670	242/62	19.79	5.768	25.55	359.183	30	or 17+10log(B)=	32.7549	PASS

802.11ac_VHT80_Ch0

СН	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
42	5210	15.16	3.700	18.86	76.952	23.01	or 10+10log(B)=	28.7741	PASS
58	5290	15.18	3.700	18.88	77.307	30	or 17+10log(B)=	35.7728	PASS
106	5530	15.46	3.700	19.16	82.455	30	or 17+10log(B)=	35.7682	PASS
000 110	VUT90 Ch1								

802.11ac_VHT80_Ch1 TOTAL REQUIRED Antenna EIRP EIRP Frequency POWER СН Gain LIMIT (dBm) (mW) (MHz) (dBi) (dBm) (dBm) 42 5210 15.25 1.700 16.95 49.570 23.01 28.7609 or 10+10log(B)= 58 5290 35.7698 15.32 1.700 17.02 50.375 30 or 17+10log(B)= 1.700 106 5530 15.70 17.40 54.982 30 35.7707

802.11ac VHT80 MIMO

СН	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
42	5210	15.68	5.768	21.45	139.678	23.01	or 10+10log(B)=	28.7609	PASS
58	5290	15.94	5.768	21.71	148.132	30	or 17+10log(B)=	35.7698	PASS
106	5530	18.93	5.768	24.70	295.124	30	or 17+10log(B)=	35.7682	PASS

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or 17+10log(B)=

RESULT

PASS

PASS

PASS



802.11ax_80_Ch0

СН	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT	
42	F210	full	12.75	3.700	16.45	44.144	23.01	or 10+10log(B)=	28.8714	PASS	
42	5210	484/65	12.63	3.700	16.33	42.941	23.01	or 10+10log(B)=	28.8714	PASS	
58	F 200	full	12.91	3.700	16.61	45.801	30	or 17+10log(B)=	35.8762	PASS	
58	5290	484/66	12.78	3.700	16.48	44.450	30	or 17+10log(B)=	35.8762	PASS	
100	5520	full	16.23	3.700	19.93	98.372	30	or 17+10log(B)=	35.8705	PASS	
106	5530	484/65	16.16	3.700	19.86	96.799	30	or 17+10log(B)=	35.8705	PASS	
802.11a	x_80_Ch1	802.11ax_80_Ch1									
СН	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT	
	(MHz)	RU config.	POWER	Gain			23.01	LIMIT	28.8732	RESULT PASS	
CH 42			POWER (dBm)	Gain (dBi)	(dBm)	(mW)	23.01 23.01	LIMIT (dBm)	28.8732 28.8732		
42	(MHz) 5210	full	POWER (dBm) 12.85	Gain (dBi) 1.700	(dBm) 14.55	(mW) 28.502		LIMIT (dBm) or 10+10log(B)=		PASS	
	(MHz)	full 484/65	POWER (dBm) 12.85 12.74	Gain (dBi) 1.700 1.700	(dBm) 14.55 14.44	(mW) 28.502 27.789	23.01	LIMIT (dBm) or 10+10log(B)= or 10+10log(B)=	28.8732	PASS PASS	
42	(MHz) 5210 5290	full 484/65 full	POWER (dBm) 12.85 12.74 12.65	Gain (dBi) 1.700 1.700 1.700	(dBm) 14.55 14.44 14.35	(mW) 28.502 27.789 27.219	23.01 30	LIMIT (dBm) or 10+10log(B)= or 10+10log(B)= or 17+10log(B)=	28.8732 35.861	PASS PASS PASS PASS	
42 58 106	(MHz) 5210	full 484/65 full 484/66	POWER (dBm) 12.85 12.74 12.65 12.53	Gain (dBi) 1.700 1.700 1.700 1.700	(dBm) 14.55 14.44 14.35 14.23	(mW) 28.502 27.789 27.219 26.477	23.01 30 30	LIMIT (dBm) or 10+10log(B)= or 10+10log(B)= or 17+10log(B)= or 17+10log(B)=	28.8732 35.861 35.861	PASS PASS PASS PASS PASS	

СН	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)		REQUIRED LIMIT (dBm)		RESULT
42	5210	full	15.63	5.768	21.40	137.904	23.01	or 10+10log(B)=	28.8714	PASS
42	5210	484/65	15.55	5.768	21.32	135.533	23.01	or 10+10log(B)=	28.8714	PASS
50	5200	full	15.11	5.768	20.88	122.518	30	or 17+10log(B)=	35.861	PASS
58	5290	484/66	15.02	5.768	20.79	119.863	30	or 17+10log(B)=	35.861	PASS
106	5520	full	18.51	5.768	24.27	267.602	30	or 17+10log(B)=	35.8688	PASS
106	5530	484/65	18.42	5.768	24.18	262.032	30	or 17+10log(B)=	35.8688	PASS

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9.5.3 Conducted output power (ISED)

802.11a_Ch0

СН	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	19.72	93.824	23.98 or 11+10log(B) = 23.16	PASS
60	5300	19.35	86.161	23.98 or 11+10log(B) = 23.16	PASS
64	5320	18.54	71.501	23.98 or 11+10log(B) = 23.16	PASS
100	5500	19.15	82.284	23.98 or 11+10log(B) = 23.15	PASS
116	5580	18.91	77.860	23.98 or 11+10log(B) = 23.15	PASS
140	5700	18.93	78.219	23.98 or 11+10log(B) = 23.16	PASS
144	5720(U-NII 2C)	18.12	64.911	23.98 or 11+10log(B) = 23.1524	PASS
144	5720 (U-NII 3)	13.31	21.449	30	PASS
149	5745	19.13	81.906	30	PASS
157	5785	18.90	77.681	30	PASS
165	5825	19.15	82.284	30	PASS

802.11a_Ch1

СН	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	19.56	90.430	23.98 or 11+10log(B) = 23.148	PASS
60	5300	19.51	89.395	23.98 or 11+10log(B) = 23.148	PASS
64	5320	18.18	65.813	23.98 or 11+10log(B) = 23.148	PASS
100	5500	19.79	95.348	23.98 or 11+10log(B) = 23.149	PASS
116	5580	19.58	90.848	23.98 or 11+10log(B) = 23.149	PASS
140	5700	19.61	91.477	23.98 or 11+10log(B) = 23.15	PASS
144	5720(U-NII 2C)	18.39	69.075	23.98 or 11+10log(B) = 23.148	PASS
144	5720 (U-NII 3)	13.29	21.355	30	PASS
149	5745	19.20	83.236	30	PASS
157	5785	18.98	79.125	30	PASS
165	5825	18.19	65.965	30	PASS

802.11a 2Tx

СН	Frequency	_	E POWER Bm)	TOTAL POWER	TOTAL POWER		REQUIRED LIMIT		RESULT
СП	(MHz)	CH 0	CH 1	(dBm)	(mW)	(dBm)			RESULT
52	5260	16.41	16.95	19.73	94.012	23.98	or 11+10log(B) =	23.148	PASS
60	5300	16.39	16.72	19.60	91.234	23.98	or 11+10log(B) =	23.148	PASS
64	5320	16.45	16.89	19.72	93.735	23.98	or 11+10log(B) =	23.148	PASS
100	5500	16.52	17.03	19.83	96.071	23.98	or 11+10log(B) =	23.149	PASS
116	5580	16.59	17.04	19.86	96.923	23.98	or 11+10log(B) =	23.149	PASS
140	5700	16.58	16.71	19.69	93.088	23.98	or 11+10log(B) =	23.15	PASS
144	5720(U-NII 2C)	15.4701	15.4101	18.45	69.968	23.98	or 11+10log(B) =	23.148	PASS
144	5720 (U-NII 3)	10.6609	10.3118	13.64	23.120		30		PASS
149	5745	16.75	16.38	19.61	91.461		30		PASS
157	5785	17.02	16.55	19.83	96.267		30		PASS
165	5825	16.93	16.67	19.85	96.502		30		PASS

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802.11n_HT20_Ch0

СН	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	19.68	92.813	23.98 or 11+10log(B) = 23.47	PASS
60	5300	19.37	86.419	23.98 or 11+10log(B) = 23.4596	PASS
64	5320	18.49	70.568	23.98 or 11+10log(B) = 23.45	PASS
100	5500	19.09	81.023	23.98 or 11+10log(B) = 23.4502	PASS
116	5580	18.93	78.093	23.98 or 11+10log(B) = 23.45	PASS
140	5700	18.90	77.555	23.98 or 11+10log(B) = 23.45	PASS
144	5720(U-NII 2C)	17.90	61.596	23.98 or 11+10log(B) = 23.4536	PASS
144	5720 (U-NII 3)	13.63	23.050	30	PASS
149	5745	19.08	80.837	30	PASS
157	5785	18.94	78.273	30	PASS
165	5825	19.07	80.651	30	PASS

802.11n_HT20_Ch1

СН	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	19.54	89.869	23.98 or 11+10log(B) = 23.443	PASS
60	5300	19.73	93.888	23.98 or 11+10log(B) = 23.442	PASS
64	5320	18.37	68.645	23.98 or 11+10log(B) = 23.439	PASS
100	5500	19.76	94.539	23.98 or 11+10log(B) = 23.444	PASS
116	5580	19.52	89.456	23.98 or 11+10log(B) = 23.441	PASS
140	5700	19.25	84.064	23.98 or 11+10log(B) = 23.445	PASS
144	5720(U-NII 2C)	18.15	65.378	23.98 or 11+10log(B) = 23.444	PASS
144	5720 (U-NII 3)	13.55	22.647	30	PASS
149	5745	19.14	81.961	30	PASS
157	5785	18.91	77.734	30	PASS
165	5825	18.10	64.507	30	PASS

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802.11ax_20_Ch0

сн	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
52	5260	full	19.72	93.728	23.98 or 11+10log(B) = 23.7818	PASS
60	5300	full	19.44	87.876	23.98 or 11+10log(B) = 23.7809	PASS
		full	17.54	56.738	23.98 or 11+10log(B) = 23.7772	PASS
64	5220	26/8	13.24	21.080	23.98 or 11+10log(B) = 23.7772	PASS
64	5320	52/40	15.92	39.073	23.98 or 11+10log(B) = 23.7772	PASS
		106/54	17.34	54.184	23.98 or 11+10log(B) = 23.7772	PASS
		full	18.48	70.448	23.98 or 11+10log(B) = 23.769	PASS
100	5500	26/0	13.57	22.744	23.98 or 11+10log(B) = 23.769	PASS
100	5500	52/37	16.20	41.675	23.98 or 11+10log(B) = 23.769	PASS
		106/53	18.40	69.163	23.98 or 11+10log(B) = 23.769	PASS
116	5580	full	19.03	79.960	23.98 or 11+10log(B) = 23.7694	PASS
		full	18.30	67.588	23.98 or 11+10log(B) = 23.7722	PASS
140	5700	26/8	13.93	24.710	23.98 or 11+10log(B) = 23.7722	PASS
140	5700	52/40	16.76	47.410	23.98 or 11+10log(B) = 23.7722	PASS
		106/54	18.13	64.994	23.98 or 11+10log(B) = 23.7722	PASS
144	5720(U-NII	full	17.99	62.965	23.98 or 11+10log(B) = 23.7708	PASS
144	5720 (U-NII 3)	full	13.60	22.911	30	PASS
		full	19.13	81.822	30	PASS
1.40	5745	26/0	16.07	40.446	30	PASS
149	5745	52/37	18.37	68.687	30	PASS
		106/53	18.62	72.756	30	PASS
157	5785	full	18.99	79.227	30	PASS
165	5825	full	19.10	81.259	30	PASS

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802.11ax_20_Ch1

сн	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)		REQUIRED LIMIT (dBm)	RESULT
52	5260	full	19.56	90.338	23.98	or 11+10log(B) = 23.7589	PASS
60	5300	full	19.77	94.814	23.98	or 11+10log(B) = 23.7559	PASS
		full	17.29	53.564	23.98	or 11+10log(B) = 23.7568	PASS
C 4	5220	26/8	13.20	20.887	23.98	or 11+10log(B) = 23.7568	PASS
64	5320	52/40	15.81	38.095	23.98	or 11+10log(B) = 23.7568	PASS
		106/54	17.13	51.626	23.98	or 11+10log(B) = 23.7568	PASS
		full	18.33	68.057	23.98	or 11+10log(B) = 23.7598	PASS
100	5500	26/0	13.49	22.329	23.98	or 11+10log(B) = 23.7598	PASS
100	5500	52/37	16.25	42.157	23.98	or 11+10log(B) = 23.7598	PASS
		106/53	18.26	66.969	23.98	or 11+10log(B) = 23.7598	PASS
116	5580	full	19.56	90.338	23.98	or 11+10log(B) = 23.7619	PASS
		full	18.11	64.695	23.98	or 11+10log(B) = 23.7662	PASS
1.10	5700	26/8	13.79	23.926	23.98	or 11+10log(B) = 23.7662	PASS
140	5700	52/40	16.53	44.965	23.98	or 11+10log(B) = 23.7662	PASS
		106/54	17.96	62.499	23.98	or 11+10log(B) = 23.7662	PASS
144	5720(U-NII 2C)	full	18.32	67.929	23.98	or 11+10log(B) = 23.7628	PASS
144	5720 (U-NII 3)	full	13.86	24.301		30	PASS
		full	19.24	83.921		30	PASS
1.10	5745	26/0	15.87	38.625		30	PASS
149	5745	52/37	18.28	67.278		30	PASS
		106/53	18.71	74.280		30	PASS
157	5785	full	18.98	79.044		30	PASS
165	5825	full	18.19	65.898		30	PASS

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802.11ax_20_MIMO

СН	Frequency	RU config.		E POWER Bm)	TOTAL POWER	TOTAL POWER		REQUIRED LIMIT		RESULT
on	(MHz)		СНО	CH 1	(dBm)	(mW)		(dBm)		REGOLI
52	5260	full	16.52	17.2	19.90	97.776	23.98	or 11+10log(B) =	23.7589	
60	5300	full	16.73	17.06	19.93	98.337	23.98	or 11+10log(B) =	23.7559	PASS
		full	16.7	16.86	19.81	95.714	23.98	or 11+10log(B) =	23.7568	
64	5220	26/8	10.53	10.23	13.41	21.936	23.98	or 11+10log(B) =	23.7568	
64	5320	52/40	13.38	13.06	16.25	42.189	23.98	or 11+10log(B) =	23.7568	PASS
		106/54	16.01	15.87	18.97	78.878	23.98	or 11+10log(B) =	23.7568	PASS
		full	16.57	17.05	19.85	96.508	23.98	or 11+10log(B) =	23.7598	PASS
100	5500	26/0	10.62	10.54	13.61	22.957	23.98	or 11+10log(B) =	23.7598	PASS
100	5500	52/37	13.4	13.39	16.42	43.894	23.98	or 11+10log(B) =	23.7598	PASS
		106/53	16.03	16.28	19.19	82.905	23.98	or 11+10log(B) =	23.7598	PASS
116	5580	full	16.62	17.05	19.87	97.036	23.98	or 11+10log(B) =	23.7619	PASS
		full	16.57	16.82	19.73	93.882	23.98	or 11+10log(B) =	23.7662	PASS
140	5700	26/8	11.04	10.81	13.96	24.863	23.98	or 11+10log(B) =	23.7662	PASS
140	5700	52/40	13.94	13.59	16.80	47.836	23.98	or 11+10log(B) =	23.7662	PASS
		106/54	16.52	16.41	19.49	89.009	23.98	or 11+10log(B) =	23.7662	PASS
144	5720(U-NII 2C)	full	15.4623	15.5918	18.55	71.559	23.98	or 11+10log(B) =	23.7628	PASS
144	5720 (U-NII 3)	full	11.0717	8.02551	14.16	26.038		30		PASS
		full	16.92	16.66	19.82	95.961		30		PASS
140	5745	26/0	13.42	12.87	16.18	41.521		30		PASS
149	5745	52/37	16.04	15.62	18.86	76.986		30		PASS
		106/53	16.67	16.35	19.54	89.990		30		PASS
157	5785	full	17.03	16.62	19.86	96.802		30		PASS
165	5825	full	16.94	16.66	19.83	96.189		30		PASS

802.11n_HT40_Ch0

СН	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	19.55	90.202	23.98 or 11+10log(B) = 26.56	PASS
62	5310	15.40	34.691	23.98 or 11+10log(B) = 26.56	PASS
102	5510	17.06	50.841	23.98 or 11+10log(B) = 26.56	PASS
110	5550	19.59	91.037	23.98 or 11+10log(B) = 26.56	PASS
134	5670	19.54	89.995	23.98 or 11+10log(B) = 26.56	PASS
142	5710(U-NII 2C)	19.15	82.302	23.98 or 11+10log(B) = 26.56	PASS
142	5710 (U-NII 3)	10.69	11.717	30	PASS
151	5755	19.44	87.946	30	PASS
159	5795	19.46	88.352	30	PASS

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802.11n_HT40_Ch1

СН	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	19.67	92.729	23.98 or 11+10log(B) = 26.555	PASS
62	5310	15.60	36.326	23.98 or 11+10log(B) = 26.555	PASS
102	5510	17.33	54.103	23.98 or 11+10log(B) = 26.553	PASS
110	5550	19.59	91.037	23.98 or 11+10log(B) = 26.557	PASS
134	5670	19.56	90.410	23.98 or 11+10log(B) = 26.554	PASS
142	5710(U-NII 2C)	19.11	81.553	23.98 or 11+10log(B) = 26.557	PASS
142	5710 (U-NII 3)	10.57	11.390	30	PASS
151	5755	19.54	89.995	30	PASS
159	5795	19.17	82.645	30	PASS

802.11n_HT40_MIMO

СН	Frequency	AVERAGE POWER (dBm)		TOTAL POWER	TOTAL POWER		REQUIRED LIMIT		RESULT
on	(MHz)	СН 0	CH 1	(dBm)	(mW)		(dBm)		RESOLI
54	5270	16.52	17.1	19.84	96.431	23.98	or 11+10log(B) =	26.555	PASS
62	5310	13.41	13.6	16.53	44.963	23.98	or 11+10log(B) =	26.555	PASS
102	5510	16.26	16.61	19.46	88.328	23.98	or 11+10log(B) =	26.553	PASS
110	5550	16.73	17.04	19.91	97.954	23.98	or 11+10log(B) =	26.557	PASS
134	5670	16.59	17.01	19.83	96.107	23.98	or 11+10log(B) =	26.554	PASS
142	5710(U-NII 2C)	16.1519	16.2022	19.19	83.070	23.98	or 11+10log(B) =	26.557	PASS
142	5710 (U-NII 3)	7.68604	7.65301	10.73	11.826		30		PASS
151	5755	16.71	16.35	19.56	90.286		30		PASS
159	5795	17.05	16.55	19.83	96.154		30		PASS

802.11ax_40_Ch0

сн	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)		REQUIRED LIMIT (dBm)		RESULT
54	5270	full	19.55	90.202	23.98	or 11+10log(B) =	26.7619	PASS
62	5210	full	15.24	33.436	23.98	or 11+10log(B) =	26.7624	PASS
02	5310	242/62	15.07	32.153	23.98	or 11+10log(B) =	26.7624	PASS
102	5510	full	16.48	44.485	23.98	or 11+10log(B) =	26.7604	PASS
102	5510	242/61	16.22	41.900	23.98	or 11+10log(B) =	26.7604	PASS
110	5550	full	19.77	94.889	23.98	or 11+10log(B) =	26.7601	PASS
124	5670	full	19.55	90.202	23.98	or 11+10log(B) =	26.7597	PASS
134	5670	242/62	19.28	84.765	23.98	or 11+10log(B) =	26.7597	PASS
142	5710(U-NII	full	19.10	81.209	23.98	or 11+10log(B) =	26.7591	PASS
142	5710 (U-NII 3)	full	10.93	12.378		30		PASS
1 - 1		full	19.62	91.668		30		PASS
151	5755	242/61	19.51	89.375		30		PASS
159	5795	full	19.72	93.803		30		PASS

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802.11ax_40_Ch1

сн	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
54	5270	full	19.64	92.091	23.98 or 11+10log(B) = 26.754	PASS
62	5310	full	15.29	33.823	23.98 or 11+10log(B) = 26.753	PASS
02	5510	242/62	15.14	32.675	23.98 or 11+10log(B) = 26.753	PASS
102	FF10	full	16.65	46.261	23.98 or 11+10log(B) = 26.754	PASS
102	5510	242/61	16.38	43.473	23.98 or 11+10log(B) = 26.754	PASS
110	5550	full	19.57	90.619	23.98 or 11+10log(B) = 26.756	PASS
124	5670	full	19.50	89.170	23.98 or 11+10log(B) = 26.755	PASS
134	5670	242/62	19.29	84.961	23.98 or 11+10log(B) = 26.755	PASS
142	5710(U-NII	full	19.14	82.081	23.98 or 11+10log(B) = 26.758	PASS
142	5710 (U-NII 3)	full	10.85	12.155	30	PASS
1 - 1		full	19.78	95.108	30	PASS
151	5755	242/61	19.60	91.247	30	PASS
159	5795	full	19.13	81.888	30	PASS

802.11ax_40_MIMO

СН	Frequency	RU config.	_	E POWER Bm)	TOTAL POWER	TOTAL POWER		REQUIRED LIMIT		RESULT
	(MHz)	No comg.	CH 0	CH 1	(dBm)	(mW)		(dBm)		RECOL
54	5270	full	16.38	16.89	19.66	92.575	23.98	or 11+10log(B) =	26.754	PASS
62	5310	full	12.21	12.37	15.31	33.988	23.98	or 11+10log(B) =	26.753	PASS
02	5510	242/62	12.27	12.25	15.28	33.748	23.98	or 11+10log(B) =	26.753	PASS
102	5510	full	16.12	16.46	19.32	85.424	23.98	or 11+10log(B) =	26.754	PASS
102	5510	242/61	15.98	16.15	19.09	81.065	23.98	or 11+10log(B) =	26.754	PASS
110	5550	full	16.76	17.01	19.91	97.933	23.98	or 11+10log(B) =	26.756	PASS
134	5670	full	16.64	17.07	19.88	97.337	23.98	or 11+10log(B) =	26.755	PASS
154	5670	242/62	16.6	16.92	19.79	95.179	23.98	or 11+10log(B) =	26.755	PASS
142	5710(U-NII	full	16.0639	16.1702	19.13	81.876	23.98	or 11+10log(B) =	26.758	PASS
142	5710 (U-NII 3)	full	7.89438	7.87551	10.96	12.480		30		PASS
151	5755	full	17.02	16.54	19.81	95.700		30		PASS
151	5755	242/61	16.85	16.47	19.69	93.039		30		PASS
159	5795	full	17.09	16.57	19.86	96.833		30		PASS

802.11ac_VHT80_Ch0

СН	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	15.18	32.978	23.98 or 11+10log(B) = 29.7728	PASS
106	5530	15.46	35.174	23.98 or 11+10log(B) = 29.7682	PASS
122	5610	19.62	91.668	23.98 or 11+10log(B) = 29.7708	PASS
138	5690(U-NII 2C)	18.68	73.826	23.98 or 11+10log(B) = 29.7724	PASS
138	5690 (U-NII 3)	7.92	6.198	30	PASS
155	5775	19.22	83.602	30	PASS

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802.11ac_VHT80_Ch1

СН	Frequency (MHz)	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	15.32	34.058	23.98 or 11+10log(B) = 29.7	7 PASS
106	5530	15.70	37.172	23.98 or 11+10log(B) = 29.77	1 PASS
122	5610	19.69	93.157	23.98 or 11+10log(B) = 29.7	7 PASS
138	5690(U-NII 2C)	19.24	84.031	23.98 or 11+10log(B) = 29.76	B PASS
138	5690 (U-NII 3)	8.32	6.797	30	PASS
155	5775	19.64	92.091	30	PASS

802.11ac_VHT80_MIMO

СН	Frequency	_	AVERAGE POWER (dBm)		TOTAL POWER		REQUIRED LIMIT		RESULT
011	(MHz)		CH 1	POWER (dBm)	(mW)		(dBm)		
58	5290	12.81	13.02	15.94	39.253	23.98	or 11+10log(B) =	29.77	PASS
106	5530	15.7	16.11	18.93	78.204	23.98	or 11+10log(B) =	29.768	PASS
122	5610	16.67	17.1	19.91	98.012	23.98	or 11+10log(B) =	29.77	PASS
138	5690(U-NII 2C)	15.9999	16.5422	19.30	85.025	23.98	or 11+10log(B) =	29.768	PASS
138	5690 (U-NII 3)	5.24009	5.62075	8.54	7.138		30		PASS
155	5775	16.91	16.55	19.76	94.541		30		PASS

802.11ax_80_Ch0

СН	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)		REQUIRED LIMIT (dBm)		RESULT
58	5290	full	12.91	19.538	23.98	or 11+10log(B) =	29.8762	PASS
50	5290	484/66	12.78	18.961	23.98	or 11+10log(B) =	29.8762	PASS
100	5520	full	16.23	41.963	23.98	or 11+10log(B) =	29.8705	PASS
106	5530	484/65	16.16	41.293	23.98	or 11+10log(B) =	29.8705	PASS
122	5610	full	19.68	92.869	23.98	or 11+10log(B) =	29.8765	PASS
138	5690(U-NII	full	18.84	76.512	23.98	or 11+10log(B) =	29.8741	PASS
138	5690 (U-NII 3)	full	7.69	5.878		30		PASS
155	5775	full	19.29	84.893		30		PASS
155	5775	484/66	19.15	82.200		30		PASS

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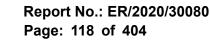
802.11ax_80_Ch1

СН	Frequency (MHz)	RU config.	TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
58	5290	full	12.65	18.402	23.98 or 11+10log(B) = 29.86	1 PASS
50	5290	484/66	12.53	17.901	23.98 or 11+10log(B) = 29.86	1 PASS
100	5520	full	16.55	45.172	23.98 or 11+10log(B) = 29.86	9 PASS
106	5530	484/65	16.43	43.941	23.98 or 11+10log(B) = 29.86	PASS
122	5610	full	19.73	93.945	23.98 or 11+10log(B) = 29.8	7 PASS
138	5690(U-NII	full	19.34	85.809	23.98 or 11+10log(B) = 29.87	4 PASS
138	5690 (U-NII 3)	full	8.22	6.634	30	PASS
155	E 77E	full	19.73	93.945	30	PASS
155	5775	484/66	19.62	91.595	30	PASS

802.11ax_80_MIMO

СН	Frequency (MUD) RU config.		AVERAGE POWER (dBm)		TOTAL POWER	TOTAL POWER		REQUIRED LIMIT		RESULT
GIT	(MHz)			(dBm)	(mW)	(dBm)			REGOLI	
58	5290	full	12.04	12.13	15.11	32.466	23.98	or 11+10log(B) =	29.861	PASS
50	5290	484/66	11.96	12.02	15.02	31.762	23.98	or 11+10log(B) =	29.861	PASS
106	5530	full	15.31	15.64	18.51	70.911	23.98	or 11+10log(B) =	29.869	PASS
100	5550	484/65	15.26	15.51	18.42	69.435	23.98	or 11+10log(B) =	29.869	PASS
122	5610	full	16.39	17.02	19.75	94.307	23.98	or 11+10log(B) =	29.87	PASS
138	5690(U-NII	full	16.2786	16.8066	19.58	90.796	23.98	or 11+10log(B) =	29.874	PASS
138	5690 (U-NII 3)	full	5.1334	5.68887	8.44	6.975		30		PASS
155	5775	full	16.84	16.63	19.77	94.739		30		PASS
100	5775	484/66	16.73	16.58	19.68	92.996		30		PASS

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10 MAXIMUM POWER SPECTRAL DENSITY

10.1 **Standard Applicable**

FCC

OPERZTION Band		EUT CATEGORY	LIMIT				
		Access Point (Master device)	17dBm/ MHz				
U-NII-1		Fixed point-to-point Access Ponit					
		Mobile and portable client device	11dBm/ MHz				
U-NII-2A			11dBm/ MHz				
U-NII-2C			11dBm/ MHz				
U-NII-3			30dBm/ 500kHz				
spectral dens	If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.						

ISED

OPERZTION FREQUENCY BAND	LIMIT						
5150~5250 MHz	EIRP spectral density 10 dBm / MHz						
5250~5350 MHz	11dBm / MHz						
5470-5600 MHz and 5650-5725 MHz	11dBm / MHz						
5725~5850 MHz	30dBm / 500 kHz						
gain greater than 6 dBi are used, the Maximum pow	For equipment operating in the band 5725-5850 MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.						

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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

 $g_{j,k}$ = / 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 not greater than 6 dBi. Therefore, reduction of power is not required.

	Effective Legacy Gain (dBi)	PSD Limit	
UNII-1	5.77	11.00	dBm/MHz
UNII-2A	5.77	11.00	dBm/MHz
U-NII-2C	5.77	11.00	dBm/MHz
U-NII-3	5.77	30.00	dBm/500 kHz

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10.2 Measurement Procedure

- 1. Place the EUT on the table and set it in transmitting mode.
- 2. 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 (601 pts), detector = sample, 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=500 kHz, VBW≥ 3RBW, where span is enough to capture the entire bandwidth, Sweep time = Auto (601 pts), detector = sample, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)

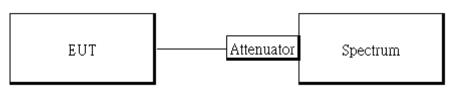
- 5. User the cursor on spectrum to peak search the highest level of trace
- 6. Record the max. reading and add 10 log(1/duty cycle).
- 7. Repeat above procedures until all default test channel (low, middle, and high) was complete.
- 802.11n/ac/ax MIMO mode: offset is set following "measure and add 10 Log (N)" on spectrum to measure the PSD for MIMO mode. Offset = cable loss + 10 log (N), where N is number of transmitting antenna.

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 on this report 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

		SGS Conducted F	Room		
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EXA Spectrum Analyzer	Agilent	N9010A	MY50420195	05/06/2020	05/05/2021
DC Power Supply	Agilent	E3640A	MY40005907	10/22/2019	10/21/2020
Temperature Chamber	TERCHY	MHG-120LF	911009	05/20/2020	05/19/2021
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2020	01/01/2021
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2020	01/01/2021

10.3 Measurement Equipment Used

10.4 Test Set-up



Note: Cable Loss=

13.2 dB

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10.5 **Measurement Result**

10.5.1 Power spectral density

POWE	R DENSITY 802.			
Frequency (MHz)	PSD W/O Duty Factor (dBm)	PSD With Duty Factor	Limit (dBm)	Margin (dB)
5180.00	3.60	(dBm) 3.60	11.00	-7.40
5220.00	3.56	3.56	11.00	-7.44
5240.00	3.25	3.25	11.00	-7.75
5260.00				
	7.64	7.64	11.00	-3.36
5300.00 5320.00	8.23 8.42	8.23	11.00	-2.77 -2.58
	7.90	8.42 7.90	11.00	-2.58
5500.00			11.00	
5580.00	7.66	7.66	11.00	-3.34
5700.00	7.40	7.40	11.00	-3.60
5720 (U-NII 2C)	7.52	7.52	11.00	-3.48
5720 (U-NII 3)	3.91	3.91	30.00	-26.09
5745.00	4.43	4.43	30.00	-25.57
5785.00	4.65	4.65	30.00	-25.35
5825.00	4.73	4.73	30.00	-25.27
POWER D	ENSITY 802.11		DE	
		PSD		
Frequency (MHz)	PSD W/O Duty Factor (dBm)	With Duty Factor (dBm)	Limit (dBm)	Margin (dB)
5180.00	3.57	3.57	11	-7.43
5220.00	3.57	3.57	11	-7.43
5240.00	3.48	3.48	11	-7.52
5260.00	7.80	7.80	11	-3.20
5300.00	8.15	8.15	11	-2.85
5320.00	7.97	7.97	11	-3.03
5500.00	7.41	7.41	11	-3.59
5580.00	7.06	7.06	11	-3.94
5700.00	6.92	6.92	11	-4.08
5720 (U-NII 2C)	7.38	7.38	11	-3.62
5720 (U-NII 3)	3.77	3.77	30	-26.23
5745.00	1.86	1.86	30	-28.14
5785.00	4.78	4.78	30	-25.22
	4.59	4.59	30	-25.41

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	POWER D	ENSITY 802.11	ax 20 MO	DE	
Frequency (MHz)	RU config.	PSD W/O Duty Factor (dBm)	PSD With Duty Factor (dBm)	Limit (dBm)	Margin (dB)
	full	3.53	3.53	11	-7.47
5180	26/0	3.37	3.37	11	-7.63
	52/37	3.66	3.66	11	-7.34
	106/53	3.73	3.73	11	-7.27
5220	full	3.57	3.57	11	-7.43
5240	full	3.42	3.42	11	-7.58
5260	full	7.93	7.93	11	-3.07
5300	full	7.88	7.88	11	-3.12
	full	7.71	7.71	11	-3.29
5220	26/8	10.28	10.28	11	-0.72
5320	52/40	10.34	10.34	11	-0.66
	106/54	10.33	10.33	11	-0.67
	full	7.39	7.39	11	-3.61
5500	26/0	10.20	10.20	11	-0.80
5500	52/37	10.36	10.36	11	-0.64
	106/53	10.23	10.23	11	-0.77
5580	full	7.10	7.10	11	-3.90
	full	6.81	6.81	11	-4.19
5700	26/8	9.95	9.95	11	-1.05
5700	52/40	10.03	10.03	11	-0.97
	106/54	9.84	9.84	11	-1.16
5720 (U-NII 2C)	full	7.33	7.33	11	-3.67
5720 (U-NII 3)	full	3.74	3.74	30	-26.26
	full	4.87	4.87	30	-25.13
5745	26/0	10.03	10.03	30	-19.97
	52/37 106/53	9.85 8.10	9.85 8.10	30 30	-20.15 -21.90
5785	full	4.76	4.76	30	-21.90
5825	full	4.48	4.70	30	-25.24
		ENSITY 802.11r			-20.02
	OWENDE		PSD		
_		PSD W/O	With		
Frequence	су	Duty Factor	Duty	Limit	Margin
(MHz)		(dBm)	Factor	(dBm)	(dB)
			(dBm)		
5190.00		2.12	2.12	11	-8.88
5230.00		2.12	2.12	11	-8.88
5270.00		4.85	4.85	11	-6.15
5310.00		2.22	2.22	11	-8.78
5510.00 5550.00		5.08	5.08	11	-5.92
5550.00		4.72	4.72	<u>11</u> 11	-6.28
5710 (U-NII		5.09 4.39	5.09 4.39	11	-5.91 -6.61
5710 (U-NI 5710 (U-NI	,	-0.06	-0.06	30	-30.06
5755.00		1.73	1.73	30	-28.27
5795.00		1.60	1.60	30	-28.40

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	POWER D	ENSITY 802.11	ax 40 MO	DE	
Frequency (MHz)	RU config.	PSD W/O Duty Factor (dBm)	PSD With Duty Factor	Limit (dBm)	Margin (dB)
	full	1.19	(dBm) 1.19	11	-9.81
5190	242/61	3.3	3.30	11	-7.70
5230	full	1.78	1.78	11	-9.22
5270 full		4.43	4.43	11	-6.57
5310	full	0.76	0.76	11	-10.24
	242/62	3.32	3.32	11	-7.68
5510	full	4.27	4.27	11	-6.73
0010	242/61	6.83	6.83	11	-4.17
5550	full	4.55	4.55	11	-6.45
5670	full	4.88	4.88	11	-6.12
	242/62	7.50	7.50	11	-3.50
5710 (U-NII 2C)	full	4.18	4.18	11	-6.82
5710 (U-NII 3)	full	-0.29	-0.29	30	-30.29
5755	full	2.12	2.12	30	-27.88
5705	242/61	4.83	4.83 1.89	30	-25.17
5795	full	1.89		30	-28.11
P		NSITY 802.11ac			
Frequenc (MHz)	Frequency (MHz)		With Duty Factor (dBm)	Limit (dBm)	Margin (dB)
5210.00		-1.90	-1.90	11	-12.90
5290.00		-1.70	-1.70	11	-12.70
5290.00 5530.00		-1.70 1.31	-1.70 1.31	11 11	
5530.00 5610.00					-12.70
5530.00 5610.00 5690 (U-NII	2C)	1.31 1.67 1.26	1.31 1.67 1.26	11 11 11	-12.70 -9.69 -9.33 -9.74
5530.00 5610.00 5690 (U-NII 5690 (U-NI	2C) I 3)	1.31 1.67 1.26 -4.16	1.31 1.67 1.26 -4.16	11 11 11 30	-12.70 -9.69 -9.33 -9.74 -34.16
5530.00 5610.00 5690 (U-NII	2C) I 3)	1.31 1.67 1.26 -4.16 -1.39	1.31 1.67 1.26 -4.16 -1.39	11 11 11 30 30	-12.70 -9.69 -9.33 -9.74
5530.00 5610.00 5690 (U-NII 5690 (U-NI	2C) I 3)	1.31 1.67 1.26 -4.16	1.31 1.67 1.26 -4.16 -1.39 ax 80 MO	11 11 11 30 30	-12.70 -9.69 -9.33 -9.74 -34.16
5530.00 5610.00 5690 (U-NII 5690 (U-NI	2C) I 3)	1.31 1.67 1.26 -4.16 -1.39	1.31 1.67 1.26 -4.16 -1.39 ax 80 MO PSD With Duty Factor	11 11 11 30 30	-12.70 -9.69 -9.33 -9.74 -34.16
5530.00 5610.00 5690 (U-NII 5690 (U-NI 5775.00 Frequency (MHz)	2C) I 3) POWER D RU config.	1.31 1.67 1.26 -4.16 -1.39 PENSITY 802.11 PSD W/O Duty Factor (dBm)	1.31 1.67 1.26 -4.16 -1.39 ax 80 MO PSD With Duty Factor (dBm)	11 11 30 30 DE Limit (dBm)	-12.70 -9.69 -9.33 -9.74 -34.16 -31.39 Margin (dB)
5530.00 5610.00 5690 (U-NII 5690 (U-NI 5775.00 Frequency	2C) I 3) POWER D RU config.	1.31 1.67 1.26 -4.16 -1.39 PENSITY 802.11 PSD W/O Duty Factor (dBm) -2.04	1.31 1.67 1.26 -4.16 -1.39 ax 80 MO PSD With Duty Factor (dBm) -2.04	11 11 30 30 DE Limit (dBm)	-12.70 -9.69 -9.33 -9.74 -34.16 -31.39 Margin (dB)
5530.00 5610.00 5690 (U-NII 5690 (U-NI 5775.00 Frequency (MHz) 5210	2C) I 3) POWER D RU config. full 484/65	1.31 1.67 1.26 -4.16 -1.39 ENSITY 802.11 PSD W/O Duty Factor (dBm) -2.04 0.44	1.31 1.67 1.26 -4.16 -1.39 ax 80 MO PSD With Duty Factor (dBm) -2.04 0.44	11 11 30 30 DE Limit (dBm) 11	-12.70 -9.69 -9.33 -9.74 -34.16 -31.39 Margin (dB) -13.04 -10.56
5530.00 5610.00 5690 (U-NII 5690 (U-NI 5775.00 Frequency (MHz)	2C) I 3) POWER D RU config. full 484/65 full	1.31 1.67 1.26 -4.16 -1.39 ENSITY 802.11 PSD W/O Duty Factor (dBm) -2.04 0.44 -2.50	1.31 1.67 1.26 -4.16 -1.39 ax 80 MO PSD With Duty Factor (dBm) -2.04 0.44 -2.50	11 11 30 30 DE Limit (dBm) 11 11	-12.70 -9.69 -9.33 -9.74 -34.16 -31.39 Margin (dB) -13.04 -10.56 -13.50
5530.00 5610.00 5690 (U-NII 5690 (U-NI 5775.00 Frequency (MHz) 5210	2C) I 3) POWER D RU config. full 484/65 full 484/66	1.31 1.67 1.26 -4.16 -1.39 PENSITY 802.11 PSD W/O Duty Factor (dBm) -2.04 0.44 -2.50 0.02	1.31 1.67 1.26 -4.16 -1.39 ax 80 MO PSD With Duty Factor (dBm) -2.04 0.44 -2.50 0.02	11 11 30 30 DE Limit (dBm) 11 11 11	-12.70 -9.69 -9.33 -9.74 -34.16 -31.39 Margin (dB) -13.04 -10.56 -13.50 -10.98
5530.00 5610.00 5690 (U-NII 5690 (U-NI 5775.00 Frequency (MHz) 5210	2C) I 3) POWER D RU config. full 484/65 full 484/66 full	1.31 1.67 1.26 -4.16 -1.39 ENSITY 802.11 PSD W/O Duty Factor (dBm) -2.04 0.44 -2.50 0.02 0.69	1.31 1.67 1.26 -4.16 -1.39 ax 80 MO PSD With Duty Factor (dBm) -2.04 0.44 -2.50 0.02 0.69	11 11 30 30 DE Limit (dBm) 11 11 11 11	-12.70 -9.69 -9.33 -9.74 -34.16 -31.39 Margin (dB) -13.04 -10.56 -13.50 -10.98 -10.31
5530.00 5610.00 5690 (U-NII 5690 (U-NI 5775.00 Frequency (MHz) 5210 5290 5530	2C) I 3) POWER D RU config. full 484/65 full 484/66 full 484/65	1.31 1.67 1.26 -4.16 -1.39 ENSITY 802.11 PSD W/O Duty Factor (dBm) -2.04 0.44 -2.50 0.02 0.69 3.46	1.31 1.67 1.26 -4.16 -1.39 ax 80 MO PSD With Duty Factor (dBm) -2.04 0.44 -2.50 0.02 0.69 3.46	11 11 30 30 DE Limit (dBm) 11 11 11 11 11 11	-12.70 -9.69 -9.33 -9.74 -34.16 -31.39 Margin (dB) -13.04 -10.56 -13.50 -10.98 -10.31 -7.54
5530.00 5610.00 5690 (U-NII 5690 (U-NI 5775.00 Frequency (MHz) 5210 5290 5530 5530 5610	2C) I 3) POWER D RU config. full 484/65 full 484/66 full 484/65 full	1.31 1.67 1.26 -4.16 -1.39 ENSITY 802.11 PSD W/O Duty Factor (dBm) -2.04 0.44 -2.50 0.02 0.69 3.46 1.77	1.31 1.67 1.26 -4.16 -1.39 ax 80 MO PSD With Duty Factor (dBm) -2.04 0.44 -2.50 0.02 0.69 3.46 1.77	11 11 30 30 DE Limit (dBm) 11 11 11 11 11 11 11	-12.70 -9.69 -9.33 -9.74 -34.16 -31.39 Margin (dB) -13.04 -10.56 -13.50 -10.98 -10.31 -7.54 -9.23
5530.00 5610.00 5690 (U-NII 5690 (U-NI 5775.00 Frequency (MHz) 5210 5210 5290 5530 5530 5610 5690 (U-NII 2C)	2C) I 3) POWER D RU config. full 484/65 full 484/66 full 484/65 full 484/65 full	1.31 1.67 1.26 -4.16 -1.39 PENSITY 802.11 PSD W/O Duty Factor (dBm) -2.04 0.44 -2.50 0.02 0.69 3.46 1.77 1.48	1.31 1.67 1.26 -4.16 -1.39 ax 80 MO PSD With Duty Factor (dBm) -2.04 0.44 -2.50 0.02 0.69 3.46 1.77 1.48	11 11 30 30 DE Limit (dBm) 11 11 11 11 11 11 11 11 11 11	-12.70 -9.69 -9.33 -9.74 -34.16 -31.39 Margin (dB) -13.04 -10.56 -13.50 -10.98 -10.31 -7.54 -9.23 -9.52
5530.00 5610.00 5690 (U-NII 5690 (U-NI 5775.00 Frequency (MHz) 5210 5290 5530 5530 5610	2C) I 3) POWER D RU config. full 484/65 full 484/66 full 484/65 full 484/65 full full	1.31 1.67 1.26 -4.16 -1.39 PENSITY 802.11 PSD W/O Duty Factor (dBm) -2.04 0.44 -2.50 0.02 0.69 3.46 1.77 1.48 -3.70	1.31 1.67 1.26 -4.16 -1.39 ax 80 MO PSD With Duty Factor (dBm) -2.04 0.44 -2.50 0.02 0.69 3.46 1.77 1.48 -3.70	11 11 30 30 DE Limit (dBm) 11 11 11 11 11 11 11 11 11 11 30	-12.70 -9.69 -9.33 -9.74 -34.16 -31.39 Margin (dB) -13.04 -10.56 -13.50 -10.98 -10.31 -7.54 -9.23 -9.52 -33.70
5530.00 5610.00 5690 (U-NII 5775.00 Frequency (MHz) 5210 5220 5520 5530 5610 5690 (U-NII 2C)	2C) I 3) POWER D RU config. full 484/65 full 484/66 full 484/65 full 484/65 full	1.31 1.67 1.26 -4.16 -1.39 PENSITY 802.11 PSD W/O Duty Factor (dBm) -2.04 0.44 -2.50 0.02 0.69 3.46 1.77 1.48	1.31 1.67 1.26 -4.16 -1.39 ax 80 MO PSD With Duty Factor (dBm) -2.04 0.44 -2.50 0.02 0.69 3.46 1.77 1.48	11 11 30 30 DE Limit (dBm) 11 11 11 11 11 11 11 11 11 11	-12.70 -9.69 -9.33 -9.74 -34.16 -31.39 Margin (dB) -13.04 -10.56 -13.50 -10.98 -10.31 -7.54 -9.23 -9.52

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10.5.2 EIRP spectral density (ISED)

	EIR	, P spectral	density 8	02.11a MC	DE	
Freq. (MHz)		PSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)
51	80	3.60	5.77	9.37	10	-0.63
52	220	3.56	5.77	9.33	10	-0.67
52	240	3.25	5.77	9.02	10	-0.98
	EIRP s	spectral de	nsity 802.	11n HT20	MODE	•
Freq. (MHz)		PSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)
	80	3.57	5.77	9.34	10	-0.66
	220	3.57	5.77	9.34	10	-0.66
52	240	3.48	5.77	9.25	10	-0.75
	EIRP	spectral d	ensity 802	.11ax 20 N	NODE	1
Freq. (MHz)	RU config.	PSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)
	full	3.53	5.77	9.30	10	-0.70
5180	26/0	3.37	5.77	9.14	10	-0.86
0100	52/37	3.66	5.77	9.43	10	-0.57
5000	106/53	3.73	5.77	9.50	10	-0.50
5220 5240	full full	3.57 3.42	5.77 5.77	9.34 9.19	10 10	-0.66 -0.81
0240		spectral de			-	0.01
Freq. (MHz)		PSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)
	90	2.12	5.77	7.89	10	-2.11
52	230	2.12	5.77	7.89	10	-2.11
EIRP spectral density 802.11ax 40 MODE						
Freq. (MHz)	RU config.	PSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)
5190	full	1.19	5.77	6.96	10	-3.04
	242/61	3.30	5.77	9.07	10	-0.93
5230	full	1.78	5.77	7.55	10	-2.45

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EIRP spectral density 802.11ac VHT80 MODE							
Freq. (MHz)		PSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)	
5210		-1.90	5.77	3.87	10	-6.13	
EIRP spectral density 802.11ax 80 MODE							
Freq. (MHz)	RU config.	PSD (dBm)	Ant. Gain (dBi)	EIRP SD (dBm)	Limit (dBm)	Margin (dB)	
5210	full	-2.04	5.77	3.73	10	-6.27	
	484/65	0.44	5.77	6.21	10	-3.79	

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802.11a_20MHz_5180MHz-5180

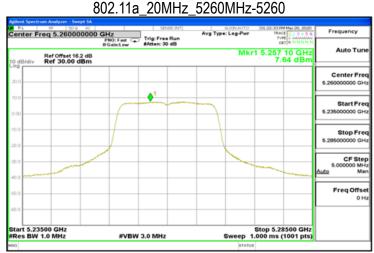


802.11a_20MHz_5220MHz-5220



802.11a_20MHz_5240MHz-5240





802.11a_20MHz_5300MHz-5300



802.11a_20MHz_5320MHz-5320



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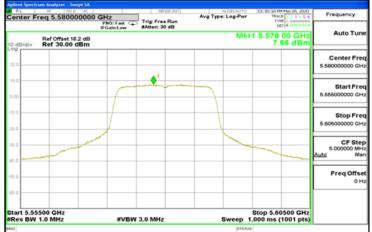
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802.11a_20MHz_5500MHz-5500

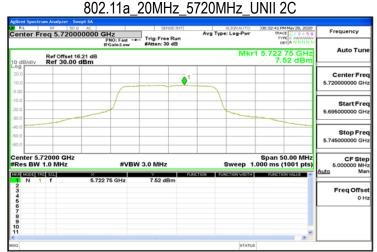


802.11a_20MHz_5580MHz-5580



802.11a_20MHz_5700MHz-5700





802.11a_20MHz_5720MHz_UNII 3



802.11a_20MHz_5745MHz-5745



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802.11a_20MHz_5785MHz-5785



802.11a_20MHz_5825MHz-5825



802.11n_20MHz_5180MHz-5180



802.11n 20MHz 5220MHz-5220 nter Freq 5.220000000 GHz PN0: Fest Trig: Free Run #Atten: 30 dB ALIGNAUTO Avg Type: Log-Pwr Auto Tu Mkr1 5.217 40 GH 3.57 dBr Ref Offset 16.2 dB Ref 30.00 dBm Center Fre **** Start Free 5000000 G Stop Fre CF Step 5.00 Freq Offse 0 H es BW 1.0 MHz Stop 5.24500 GHz Sweep 1.000 ms (1001 pts) #VBW 3.0 MHz

802.11n_20MHz_5240MHz-5240



802.11n_20MHz_5260MHz-5260



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802.11n_20MHz_5300MHz-5300



802.11n_20MHz_5320MHz-5320



802.11n_20MHz_5500MHz-5500



Ind Spectrum Analyzer - Songe's SA 1 to 1000 000 GHz Inter Freq 5.580000000 GHz If Gain Lew Ref Offset 16.2 dB Ref Offset

802.11n 20MHz 5580MHz-5580

802.11n_20MHz_5700MHz-5700

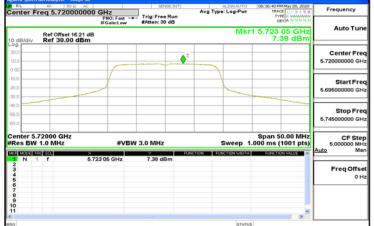
#VBW 3.0 MHz

Stop 5.60500 GHz Sweep 1.000 ms (1001 pts)

es BW 1.0 MHz



802.11n_20MHz_5720MHz_UNII 2C



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802.11n_20MHz_5720MHz_UNII 3



802.11n_20MHz_5745MHz-5745



802.11n_20MHz_5785MHz-5785



802.11n 20MHz 5825MHz-5825 nter Freq 5.825000000 GHz PN0: Fest C Free Run FN0: Fest C Fort C O dB ALIGNAUTO Mkr1 5.828 56 GH 4.59 dBr Auto Tu Ref Offset 16.2 dB Ref 20.00 dBm Center Fre Start Free 000000 G Stop Fre CF Step 4.00 Freq Offse 0 H Stop 5.84500 GHz Sweep 1.000 ms (1001 pts) art 5.80500 GHz es BW 510 kHz #VBW 1.5 MHz

802.11ax_20MHz_5180MHz-106-53



802.11ax_20MHz_5180MHz-26-0



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802.11ax_20MHz_5180MHz-5180

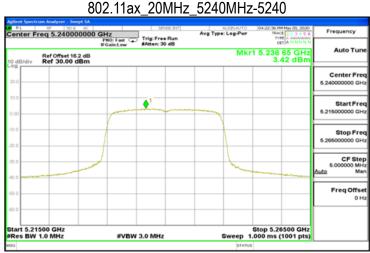


802.11ax_20MHz_5180MHz-52-37



802.11ax_20MHz_5220MHz-5220





802.11ax_20MHz_5260MHz-5260

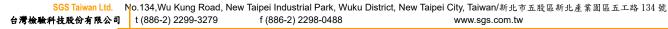


802.11ax_20MHz_5300MHz-5300



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802.11ax_20MHz_5320MHz-106-54



802.11ax_20MHz_5320MHz-26-8



802.11ax_20MHz_5320MHz-52-40



nter Freq 5.320000000 GHz PN0: Fex FN0: Fox ALIGNAUTO Auto Tu Mkr1 5.316 45 GH 7.71 dBr Ref Offset 16.2 dB Ref 30.00 dBm Center Fre **♦**¹ Start Fre 000000 G Stop Fre CF Step Freq Offse 0 H Stop 5.34500 GHz Sweep 1.000 ms (1001 pts) rt 5.29500 GHz es BW 1.0 MHz #VBW 3.0 MHz

802.11ax 20MHz 5320MHz-5320

802.11ax_20MHz_5500MHz-106-53



802.11ax_20MHz_5500MHz-26-0



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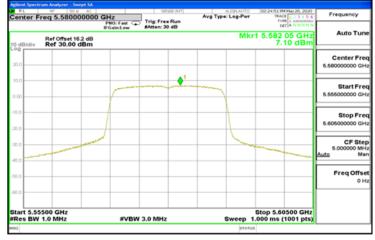
802.11ax_20MHz_5500MHz-52-37

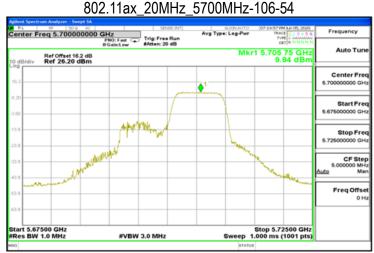


802.11ax_20MHz_5500MHz-5500



802.11ax_20MHz_5580MHz-5580





802.11ax_20MHz_5700MHz-26-8



802.11ax_20MHz_5700MHz-52-40



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802.11ax_20MHz_5700MHz-5700



802.11ax_20MHz_5720MHz_UNII 2C



802.11ax_20MHz_5720MHz_UNII 3

	Q AC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	06:51:54 PM May 28, 2020 TRACE 1 2 3 4 5 6	Frequency
enter Freq 5.7200	PNO: Fast	Trig: Free Run	Avg Type: Log-Pwr	TYPE A WANNAWAY DET A NNNNN	
Ref Offset 1		#Atten: 30 dB	Mkr	1 5.725 05 GHz	Auto Tu
0 dB/div Ref 30.00	dBm			3.74 dBm	
0.0					Center Fr
0.0			♦ ¹		5.720000000 G
.00			- man		
0.0					Start Fr
0.0			have		5.695000000 G
				and the second designed and th	
2.0					Stop Fr
0.0					5.745000000 0
enter 5.72000 GHz Res BW 510 kHz	#VBV	V 1.5 MHz	Sweep 1	Span 50.00 MHz .000 ms (1001 pts)	CF St 5.000000 N
KR MODE TRC SCL	×		INCTION FUNCTION WIDTH		Auto N
N 1 f	5.725 05 GHz	3.74 dBm			
3					Freq Off
5					•
6					
8 9 0					
0					
-		<u>a</u>		2	
3			STATUS		

802.11ax 20MHz 5745MHz-106-53

rt 5.72500 GHz Stop 5.76500 GHz es BW 510 kHz #VBW 1.5 MHz Sweep 1.000 ms (1001 pts)

802.11ax_20MHz_5745MHz-26-0



802.11ax_20MHz_5745MHz-52-37



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802.11ax_20MHz_5745MHz-5745



802.11ax_20MHz_5785MHz-5785



802.11ax_20MHz_5825MHz-5825



nter Freq 5.19000000 GHz PN0: Fast C ALIONAUTO Avg Type: Log-Pwr Auto Tu Mkr1 5.195 4 GH 2.12 dBr Ref Offset 16.2 dB Ref 26.20 dBm Center Fre ٠ Start Free 5.140000000 G Stop Fre CF Step Freq Offse 0 H art 5.14000 GHz es BW 1.0 MHz Stop 5.24000 GHz Sweep 1.000 ms (1001 pts) #VBW 3.0 MHz

802.11n 40MHz 5190MHz-5190

802.11n_40MHz_5230MHz-5230



802.11n_40MHz_5270MHz-5270



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