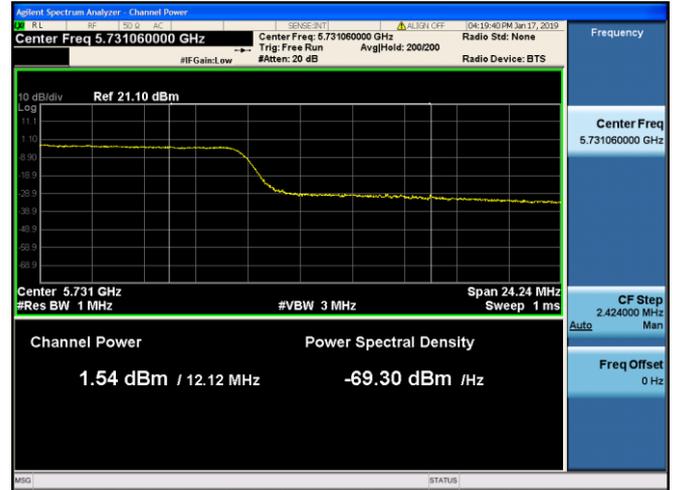


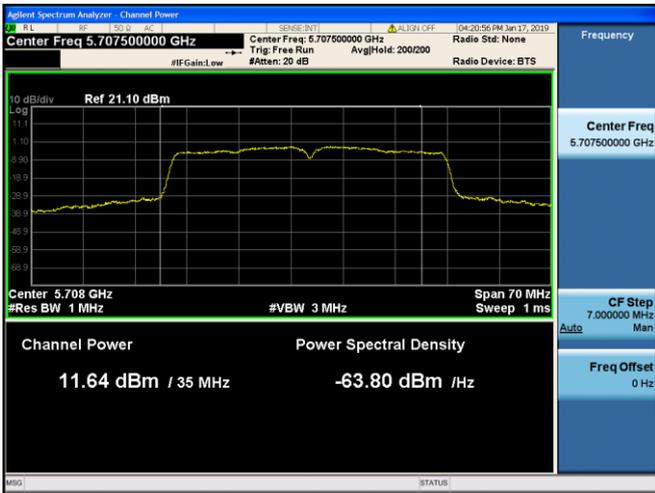
**802.11n(HT40) UNII 2C Band**



**802.11n(HT40) UNII 3 Band**



**802.11ac(VHT40) UNII 2C Band**



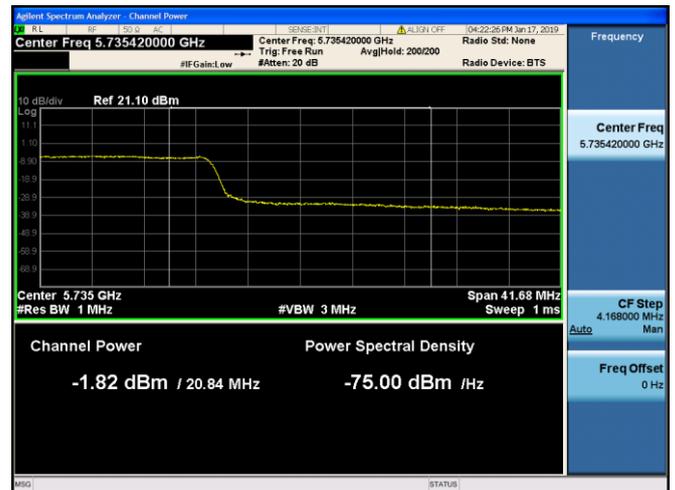
**802.11ac(VHT40) UNII 3 Band**



**802.11ac(VHT80) UNII 2C Band**



**802.11ac(VHT80) UNII 3 Band**



[Ant2]

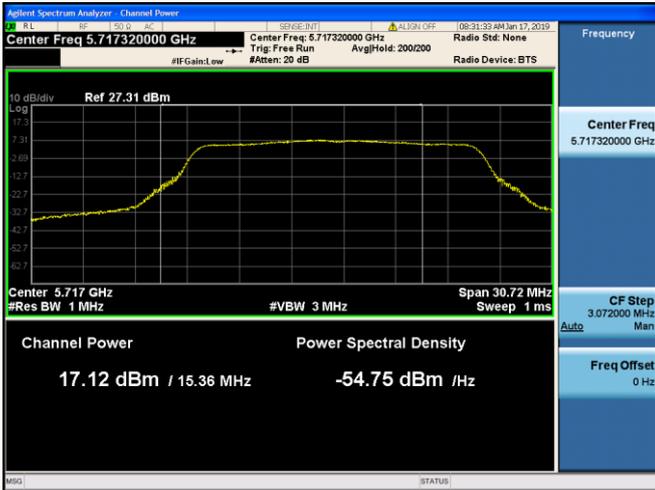
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	17.12	0.553	17.67	22.86
802.11n(HT20)			16.59	0.817	17.41	22.98
802.11ac(VHT20)			16.66	0.818	17.47	22.93
802.11a	5720 (UNII 3 Band)	144	9.98	0.553	10.53	30.00
802.11n(HT20)			9.96	0.817	10.78	30.00
802.11ac(VHT20)			10.01	0.818	10.82	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	16.02	1.440	17.46	23.98
802.11ac(VHT40)			14.77	2.662	17.43	23.98
802.11n(HT40)	5710 (UNII 3 Band)	142	4.59	1.440	6.03	30.00
802.11ac(VHT40)			3.54	2.662	6.20	30.00

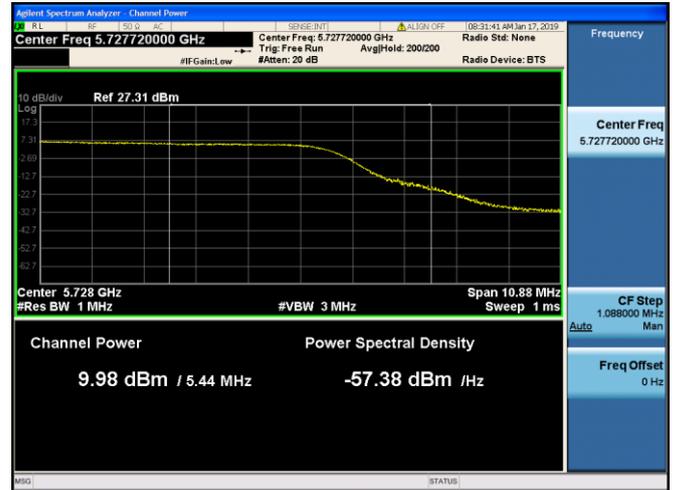
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	15.98	1.116	17.10	23.98
	5690 (UNII 3 Band)	138	1.99	1.116	3.10	30.00

Test Plots

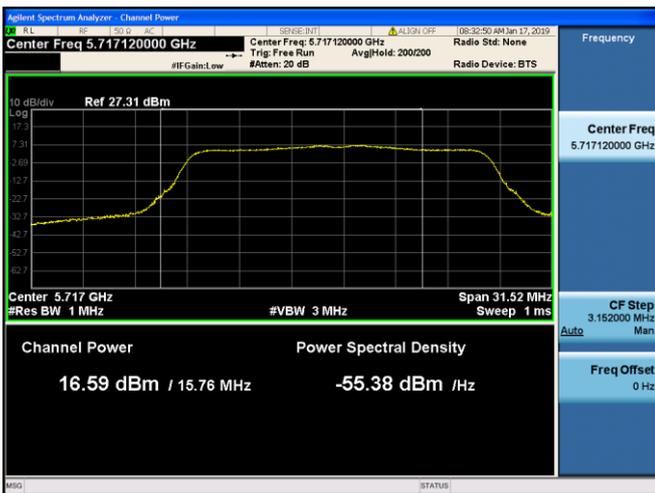
802.11a UNII 2C Band



802.11a UNII 3 Band



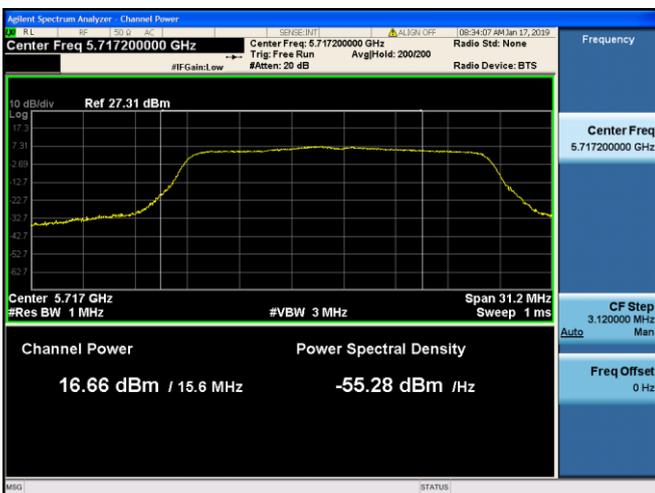
802.11n(HT20) UNII 2C Band



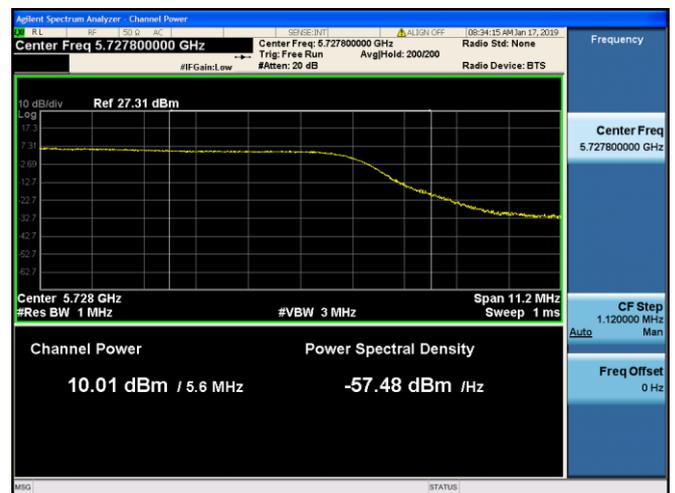
802.11n(HT20) UNII 3 Band



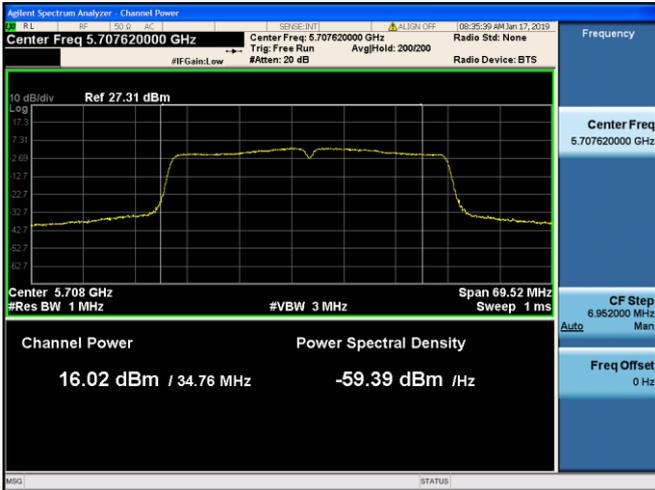
802.11ac(VHT20) UNII 2C Band



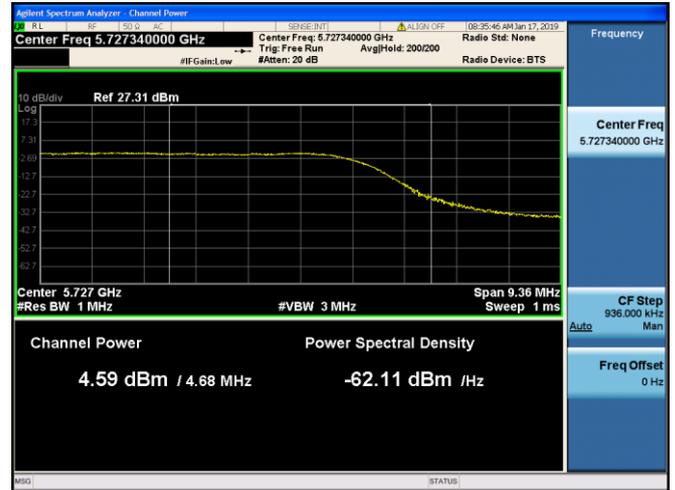
802.11ac(VHT20) UNII 3 Band



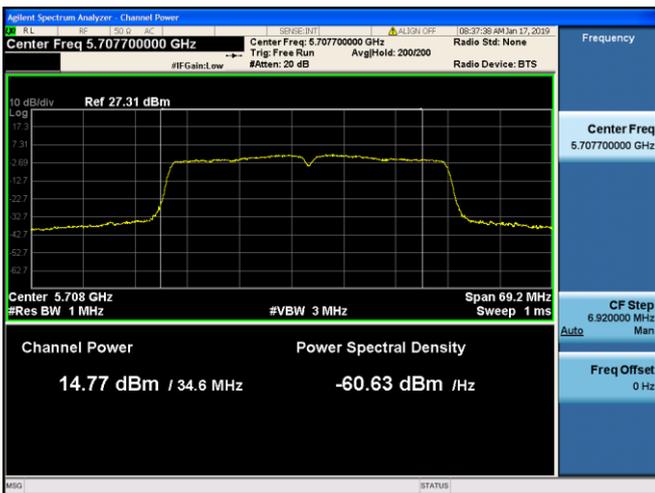
**802.11n(HT40) UNII 2C Band**



**802.11n(HT40) UNII 3 Band**



**802.11ac(VHT40) UNII 2C Band**



**802.11ac(VHT40) UNII 3 Band**



**802.11ac(VHT80) UNII 2C Band**



**802.11ac(VHT80) UNII 3 Band**



### 10.7.4 Power Spectral Density

[Ant1]

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Measured Density(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	3.994	0.553	4.547	11.00
802.11n(HT20)			3.630	0.817	4.447	11.00
802.11ac(VHT20)			3.753	0.818	4.571	11.00
802.11a	5720 (UNII 3 Band)	144	-0.884	0.553	-0.331	30.00
802.11n(HT20)			-0.323	0.817	0.495	30.00
802.11ac(VHT20)			-1.234	0.818	-0.416	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Measured Density(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	0.174	1.066	1.240	11.00
802.11ac(VHT40)			-1.148	2.662	1.514	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-4.887	1.066	-3.821	30.00
802.11ac(VHT40)			-6.022	2.662	-3.360	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Measured Density(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-2.975	1.116	-1.859	11.00
	5690 (UNII 3 Band)	138	-8.974	1.116	-7.858	30.00

■ Test Plots

802.11a UNII 2C Band



802.11a UNII 3 Band



802.11n(HT20) UNII 2C Band



802.11n(HT20) UNII 3 Band



802.11ac(VHT20) UNII 2C Band



802.11ac(VHT20) UNII 3 Band



**802.11n(HT40) UNII 2C Band**



**802.11n(HT40) UNII 3 Band**



**802.11ac(VHT40) UNII 2C Band**



**802.11ac(VHT40) UNII 3 Band**



**802.11ac(VHT80) UNII 2C Band**



**802.11ac(VHT80) UNII 3 Band**



[Ant2]

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Measured Density(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	8.075	0.553	8.628	11.00
802.11n(HT20)			7.571	0.817	8.388	11.00
802.11ac(VHT20)			7.591	0.818	8.410	11.00
802.11a	5720 (UNII 3 Band)	144	3.391	0.553	3.945	30.00
802.11n(HT20)			2.268	0.817	3.085	30.00
802.11ac(VHT20)			2.373	0.818	3.191	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Measured Density(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	3.079	1.440	4.519	11.00
802.11ac(VHT40)			2.019	2.662	4.681	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-1.859	1.440	-0.419	30.00
802.11ac(VHT40)			-2.211	2.662	0.451	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Measured Density(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-0.049	1.116	1.067	11.00
	5690 (UNII 3 Band)	138	-5.100	1.116	-3.984	30.00

Test Plots

802.11a UNII 2C Band



802.11a UNII 3 Band



802.11n(HT20) UNII 2C Band



802.11n(HT20) UNII 3 Band



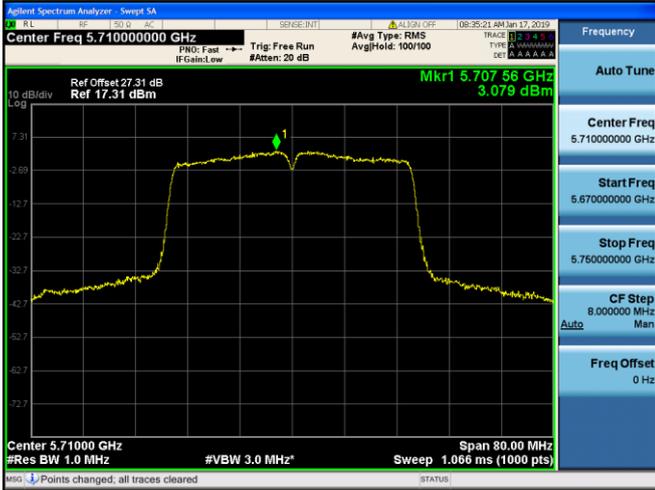
802.11ac(VHT20) UNII 2C Band



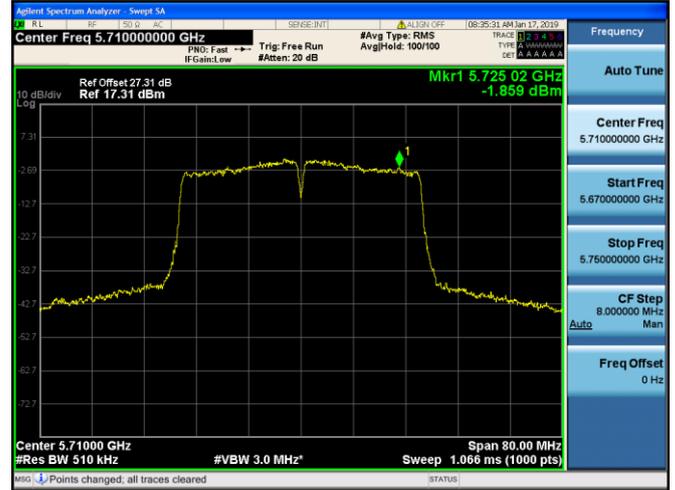
802.11ac(VHT20) UNII 3 Band



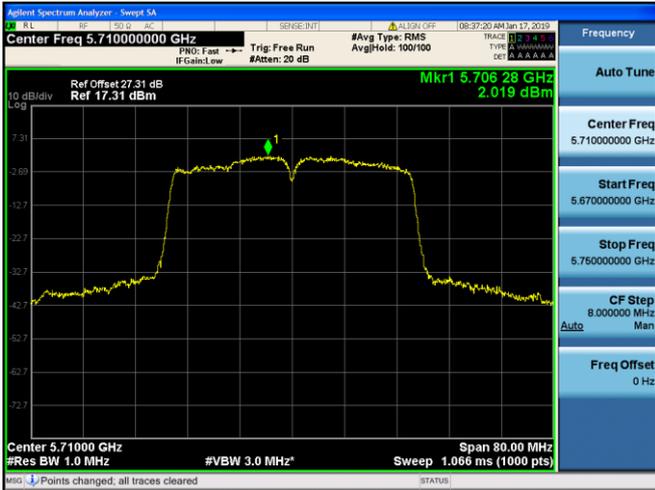
**802.11n(HT40) UNII 2C Band**



**802.11n(HT40) UNII 3 Band**



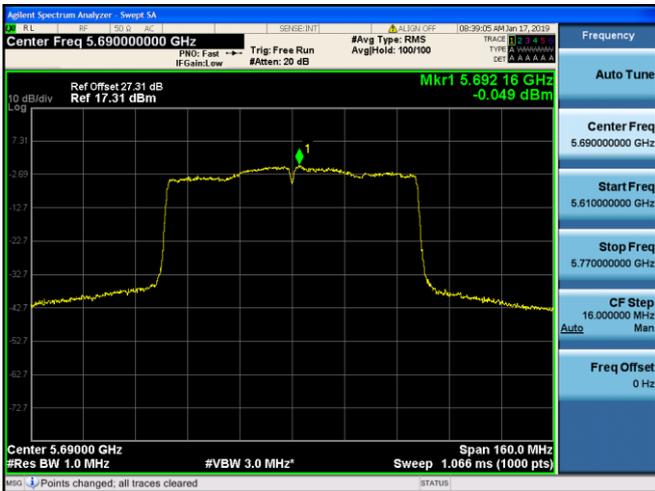
**802.11ac(VHT40) UNII 2C Band**



**802.11ac(VHT40) UNII 3 Band**



**802.11ac(VHT80) UNII 2C Band**



**802.11ac(VHT80) UNII 3 Band**



### 10.8 RADIATED SPURIOUS EMISSIONS

**Frequency Range : 9 kHz – 30MHz**

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

**Note:**

1. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor =  $40 \cdot \log(\text{specific distance} / \text{test distance})$  (dB)
3. Limit line = specific Limits (dBuV) + Distance extrapolation factor
4. The test results for below 30 MHz is correlated to an open site.  
The result on OATS is about 2 dB higher than semi-anechoic chamber(10 m chamber)

**Frequency Range : Below 1 GHz**

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

**Note:**

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode

**[ANT1]**

**Frequency Range : Above 1 GHz**

Band : UNII 1  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	43.87	6.89	V	50.76	68.20	17.44	PK
15540	44.69	12.57	V	57.26	73.98	16.72	PK
15540	31.31	12.57	V	43.88	53.98	10.10	AV
10360	42.63	6.89	H	49.52	68.20	18.68	PK
15540	43.98	12.57	H	56.55	73.98	17.43	PK
15540	31.10	12.57	H	43.67	53.98	10.31	AV

Band : UNII 1  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	44.13	6.94	V	51.07	68.20	17.13	PK
15600	44.60	11.47	V	56.07	73.98	17.91	PK
15600	30.82	11.47	V	42.29	53.98	11.69	AV
10400	43.58	6.94	H	50.52	68.20	17.68	PK
15600	43.50	11.47	H	54.97	73.98	19.01	PK
15600	30.51	11.47	H	41.98	53.98	12.00	AV

Band : UNII 1  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	43.96	7.65	V	51.61	68.20	16.59	PK
15720	43.86	11.66	V	55.52	73.98	18.46	PK
15720	30.13	11.66	V	41.79	53.98	12.19	AV
10480	42.71	7.65	H	50.36	68.20	17.84	PK
15720	43.62	11.66	H	55.28	73.98	18.70	PK
15720	29.96	11.66	H	41.62	53.98	12.36	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 1  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	44.96	6.89	V	51.85	68.20	16.35	PK
15540	44.62	12.57	V	57.19	73.98	16.79	PK
15540	31.35	12.57	V	43.92	53.98	10.06	AV
10360	43.82	6.89	H	50.71	68.20	17.49	PK
15540	43.57	12.57	H	56.14	73.98	17.84	PK
15540	31.02	12.57	H	43.59	53.98	10.39	AV

Band : UNII 1  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	44.43	6.94	V	51.37	68.20	16.83	PK
15600	44.18	11.47	V	55.65	73.98	18.33	PK
15600	30.90	11.47	V	42.37	53.98	11.61	AV
10400	43.79	6.94	H	50.73	68.20	17.47	PK
15600	43.93	11.47	H	55.40	73.98	18.58	PK
15600	30.51	11.47	H	41.98	53.98	12.00	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 1  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	44.21	7.65	V	51.86	68.20	16.34	PK
15720	43.93	11.66	V	55.59	73.98	18.39	PK
15720	30.04	11.66	V	41.70	53.98	12.28	AV
10480	42.63	7.65	H	50.28	68.20	17.92	PK
15720	42.90	11.66	H	54.56	73.98	19.42	PK
15720	29.89	11.66	H	41.55	53.98	12.43	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	45.59	6.89	V	52.48	68.20	15.72	PK
15540	44.68	12.57	V	57.25	73.98	16.73	PK
15540	31.24	12.57	V	43.81	53.98	10.17	AV
10360	43.30	6.89	H	50.19	68.20	18.01	PK
15540	43.78	12.57	H	56.35	73.98	17.63	PK
15540	30.29	12.57	H	42.86	53.98	11.12	AV

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	43.47	6.94	V	50.41	68.20	17.79	PK
15600	44.54	11.47	V	56.01	73.98	17.97	PK
15600	30.85	11.47	V	42.32	53.98	11.66	AV
10400	43.33	6.94	H	50.27	68.20	17.93	PK
15600	43.49	11.47	H	54.96	73.98	19.02	PK
15600	30.61	11.47	H	42.08	53.98	11.90	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	43.42	7.65	V	51.07	68.20	17.13	PK
15720	43.52	11.66	V	55.18	73.98	18.80	PK
15720	30.06	11.66	V	41.72	53.98	12.26	AV
10480	42.87	7.65	H	50.52	68.20	17.68	PK
15720	42.79	11.66	H	54.45	73.98	19.53	PK
15720	29.99	11.66	H	41.65	53.98	12.33	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 1  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	43.61	6.54	V	50.15	68.20	18.05	PK
15570	44.81	11.95	V	56.76	73.98	17.22	PK
15570	31.89	11.95	V	43.84	53.98	10.14	AV
10380	43.04	6.54	H	49.58	68.20	18.62	PK
15570	43.82	11.95	H	55.77	73.98	18.21	PK
15570	31.52	11.95	H	43.47	53.98	10.51	AV

Band : UNII 1  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5230 MHz  
 Channel No. 46 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	42.73	7.97	V	50.70	68.20	17.50	PK
15690	44.06	12.00	V	56.06	73.98	17.92	PK
15690	31.16	12.00	V	43.16	53.98	10.82	AV
10460	42.33	7.97	H	50.30	68.20	17.90	PK
15690	43.29	12.00	H	55.29	73.98	18.69	PK
15690	31.04	12.00	H	43.04	53.98	10.94	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	43.98	6.54	V	50.52	68.20	17.68	PK
15570	44.61	11.95	V	56.56	73.98	17.42	PK
15570	31.70	11.95	V	43.65	53.98	10.33	AV
10380	43.05	6.54	H	49.59	68.20	18.61	PK
15570	43.58	11.95	H	55.53	73.98	18.45	PK
15570	30.58	11.95	H	42.53	53.98	11.45	AV

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5230 MHz  
 Channel No. 46 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	43.38	7.97	V	51.35	68.20	16.85	PK
15690	44.46	12.00	V	56.46	73.98	17.52	PK
15690	30.90	12.00	V	42.90	53.98	11.08	AV
10460	42.77	7.97	H	50.74	68.20	17.46	PK
15690	43.32	12.00	H	55.32	73.98	18.66	PK
15690	30.52	12.00	H	42.52	53.98	11.46	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: 0  
 Operating Frequency 5210 MHz  
 Channel No. 42 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	44.09	7.88	V	51.97	68.20	16.23	PK
15630	44.91	12.05	V	56.96	73.98	17.02	PK
15630	33.05	12.05	V	45.10	53.98	8.88	AV
10420	43.51	7.88	H	51.39	68.20	16.81	PK
15630	44.05	12.05	H	56.10	73.98	17.88	PK
15630	32.88	12.05	H	44.93	53.98	9.05	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5260 MHz  
 Channel No. 52 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	44.95	8.33	V	53.28	68.20	14.92	PK
15780	43.11	12.21	V	55.32	73.98	18.66	PK
15780	29.60	12.21	V	41.81	53.98	12.17	AV
10520	44.51	8.33	H	52.84	68.20	15.36	PK
15780	42.03	12.21	H	54.24	73.98	19.74	PK
15780	29.44	12.21	H	41.65	53.98	12.33	AV

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5300 MHz  
 Channel No. 60 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	44.13	8.85	V	52.98	73.98	21.00	PK
10600	30.50	8.85	V	39.35	53.98	14.63	AV
15900	43.38	11.90	V	55.28	73.98	18.70	PK
15900	30.43	11.90	V	42.33	53.98	11.65	AV
10600	43.73	8.85	H	52.58	73.98	21.40	PK
10600	30.26	8.85	H	39.11	53.98	14.87	AV
15900	42.97	11.90	H	54.87	73.98	19.11	PK
15900	30.21	11.90	H	42.11	53.98	11.87	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	43.10	9.25	V	52.35	73.98	21.63	PK
10640	29.65	9.25	V	38.90	53.98	15.08	AV
15960	44.44	10.55	V	54.99	73.98	18.99	PK
15960	30.35	10.55	V	40.90	53.98	13.08	AV
10640	42.83	9.25	H	52.08	73.98	21.90	PK
10640	29.44	9.25	H	38.69	53.98	15.29	AV
15960	43.29	10.55	H	53.84	73.98	20.14	PK
15960	30.17	10.55	H	40.72	53.98	13.26	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 2A  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5260 MHz  
 Channel No. 52 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	43.36	8.33	V	51.69	68.20	16.51	PK
15780	43.02	12.21	V	55.23	73.98	18.75	PK
15780	29.61	12.21	V	41.82	53.98	12.16	AV
10520	43.10	8.33	H	51.43	68.20	16.77	PK
15780	42.10	12.21	H	54.31	73.98	19.67	PK
15780	29.53	12.21	H	41.74	53.98	12.24	AV

Band : UNII 2A  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5300 MHz  
 Channel No. 60 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	43.78	8.85	V	52.63	73.98	21.35	PK
10600	30.43	8.85	V	39.28	53.98	14.70	AV
15900	43.44	11.90	V	55.34	73.98	18.64	PK
15900	30.42	11.90	V	42.32	53.98	11.66	AV
10600	43.34	8.85	H	52.19	73.98	21.79	PK
10600	30.24	8.85	H	39.09	53.98	14.89	AV
15900	42.98	11.90	H	54.88	73.98	19.10	PK
15900	30.17	11.90	H	42.07	53.98	11.91	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 2A  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	43.26	9.25	V	52.51	73.98	21.47	PK
10640	29.53	9.25	V	38.78	53.98	15.20	AV
15960	43.85	10.55	V	54.40	73.98	19.58	PK
15960	30.43	10.55	V	40.98	53.98	13.00	AV
10640	42.78	9.25	H	52.03	73.98	21.95	PK
10640	29.49	9.25	H	38.74	53.98	15.24	AV
15960	42.90	10.55	H	53.45	73.98	20.53	PK
15960	30.27	10.55	H	40.82	53.98	13.16	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5260MHz  
 Channel No. 52 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	43.82	8.33	V	52.15	68.20	16.05	PK
15780	43.04	12.21	V	55.25	73.98	18.73	PK
15780	29.53	12.21	V	41.74	53.98	12.24	AV
10520	43.00	8.33	H	51.33	68.20	16.87	PK
15780	42.10	12.21	H	54.31	73.98	19.67	PK
15780	29.40	12.21	H	41.61	53.98	12.37	AV

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5300 MHz  
 Channel No. 60 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	44.29	8.85	V	53.14	73.98	20.84	PK
10600	30.54	8.85	V	39.39	53.98	14.59	AV
15900	43.95	11.90	V	55.85	73.98	18.13	PK
15900	30.32	11.90	V	42.22	53.98	11.76	AV
10600	43.96	8.85	H	52.81	73.98	21.17	PK
10600	30.26	8.85	H	39.11	53.98	14.87	AV
15900	42.63	11.90	H	54.53	73.98	19.45	PK
15900	30.18	11.90	H	42.08	53.98	11.90	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	43.06	9.25	V	52.31	73.98	21.67	PK
10640	29.72	9.25	V	38.97	53.98	15.01	AV
15960	44.01	10.55	V	54.56	73.98	19.42	PK
15960	30.30	10.55	V	40.85	53.98	13.13	AV
10640	42.39	9.25	H	51.64	73.98	22.34	PK
10640	29.54	9.25	H	38.79	53.98	15.19	AV
15960	43.27	10.55	H	53.82	73.98	20.16	PK
15960	30.16	10.55	H	40.71	53.98	13.27	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 2A  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5270 MHz  
 Channel No. 54 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	43.60	8.71	V	52.31	68.20	15.89	PK
15810	42.86	11.51	V	54.37	73.98	19.61	PK
15810	30.21	11.51	V	41.72	53.98	12.26	AV
10540	43.16	8.71	H	51.87	68.20	16.33	PK
15810	42.29	11.51	H	53.80	73.98	20.18	PK
15810	29.79	11.51	H	41.30	53.98	12.68	AV

Band : UNII 2A  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	49.20	8.62	V	57.82	73.98	16.16	PK
10620	34.87	8.62	V	43.49	53.98	10.49	AV
15930	43.94	10.63	V	54.57	73.98	19.41	PK
15930	30.46	10.63	V	41.09	53.98	12.89	AV
10620	48.19	8.62	H	56.81	73.98	17.17	PK
10620	34.41	8.62	H	43.03	53.98	10.95	AV
15930	43.63	10.63	H	54.26	73.98	19.72	PK
15930	30.12	10.63	H	40.75	53.98	13.23	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5270 MHz  
 Channel No. 54 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	43.40	8.71	V	52.11	68.20	16.09	PK
15810	42.62	11.51	V	54.13	73.98	19.85	PK
15810	30.13	11.51	V	41.64	53.98	12.34	AV
10540	42.77	8.71	H	51.48	68.20	16.72	PK
15810	41.82	11.51	H	53.33	73.98	20.65	PK
15810	29.98	11.51	H	41.49	53.98	12.49	AV

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	43.55	8.62	V	52.17	73.98	21.81	PK
10620	30.86	8.62	V	39.48	53.98	14.50	AV
15930	43.72	10.63	V	54.35	73.98	19.63	PK
15930	31.10	10.63	V	41.73	53.98	12.25	AV
10620	42.90	8.62	H	51.52	73.98	22.46	PK
10620	30.22	8.62	H	38.84	53.98	15.14	AV
15930	43.57	10.63	H	54.20	73.98	19.78	PK
15930	30.86	10.63	H	41.49	53.98	12.49	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: 0  
 Operating Frequency 5290 MHz  
 Channel No. 58 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	44.41	8.83	V	53.24	68.20	14.96	PK
15870	43.23	11.15	V	54.38	73.98	19.60	PK
15870	31.60	11.15	V	42.75	53.98	11.23	AV
10580	43.43	8.83	H	52.26	68.20	15.94	PK
15870	42.65	11.15	H	53.80	73.98	20.18	PK
15870	30.15	11.15	H	41.30	53.98	12.68	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	43.02	10.23	V	53.25	73.98	20.73	PK
11000	29.53	10.23	V	39.76	53.98	14.22	AV
16500	44.56	11.62	V	56.18	68.20	12.02	PK
11000	42.82	10.23	H	53.05	73.98	20.93	PK
11000	29.29	10.23	H	39.52	53.98	14.46	AV
16500	43.22	11.62	H	54.84	68.20	13.36	PK

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5580 MHz  
 Channel No. 116 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	42.66	10.09	V	52.75	73.98	21.23	PK
11160	29.14	10.09	V	39.23	53.98	14.75	AV
16740	45.92	11.27	V	57.19	68.20	11.01	PK
11160	42.61	10.09	H	52.70	73.98	21.28	PK
11160	28.91	10.09	H	39.00	53.98	14.98	AV
16740	44.78	11.27	H	56.05	68.20	12.15	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5720 MHz  
 Channel No. 144 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	42.41	9.39	V	51.80	73.98	22.18	PK
11440	29.12	9.39	V	38.51	53.98	15.47	AV
17160	44.74	12.91	V	57.65	68.20	10.55	PK
11440	41.99	9.39	H	51.38	73.98	22.60	PK
11440	29.01	9.39	H	38.40	53.98	15.58	AV
17160	43.82	12.91	H	56.73	68.20	11.47	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 2C  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	42.82	10.23	V	53.05	73.98	20.93	PK
11000	29.47	10.23	V	39.70	53.98	14.28	AV
16500	44.57	11.62	V	56.19	68.20	12.01	PK
11000	41.63	10.23	H	51.86	73.98	22.12	PK
11000	29.42	10.23	H	39.65	53.98	14.33	AV
16500	43.79	11.62	H	55.41	68.20	12.79	PK

Band : UNII 2C  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5580 MHz  
 Channel No. 116 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	42.63	10.09	V	52.72	73.98	21.26	PK
11160	29.19	10.09	V	39.28	53.98	14.70	AV
16740	44.67	11.27	V	55.94	68.20	12.26	PK
11160	41.55	10.09	H	51.64	73.98	22.34	PK
11160	29.12	10.09	H	39.21	53.98	14.77	AV
16740	42.88	11.27	H	54.15	68.20	14.05	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 2C  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5720 MHz  
 Channel No. 144 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	42.53	9.39	V	51.92	73.98	22.06	PK
11440	29.04	9.39	V	38.43	53.98	15.55	AV
17160	44.25	12.91	V	57.16	68.20	11.04	PK
11440	41.82	9.39	H	51.21	73.98	22.77	PK
11440	28.61	9.39	H	38.00	53.98	15.98	AV
17160	41.96	12.91	H	54.87	68.20	13.33	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	42.86	10.23	V	53.09	73.98	20.89	PK
11000	29.34	10.23	V	39.57	53.98	14.41	AV
16500	44.62	11.62	V	56.24	68.20	11.96	PK
11000	41.58	10.23	H	51.81	73.98	22.17	PK
11000	29.23	10.23	H	39.46	53.98	14.52	AV
16500	43.52	11.62	H	55.14	68.20	13.06	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5580 MHz  
 Channel No. 116 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	42.69	10.09	V	52.78	73.98	21.20	PK
11160	29.18	10.09	V	39.27	53.98	14.71	AV
16740	44.91	11.27	V	56.18	68.20	12.02	PK
11160	41.89	10.09	H	51.98	73.98	22.00	PK
11160	28.92	10.09	H	39.01	53.98	14.97	AV
16740	44.01	11.27	H	55.28	68.20	12.92	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5720 MHz  
 Channel No. 144 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11440	42.46	9.39	V	51.85	73.98	22.13	PK
11440	29.09	9.39	V	38.48	53.98	15.50	AV
17160	44.12	12.91	V	57.03	68.20	11.17	PK
11440	41.30	9.39	H	50.69	73.98	23.29	PK
11440	29.01	9.39	H	38.40	53.98	15.58	AV
17160	43.83	12.91	H	56.74	68.20	11.46	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 2C  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5510 MHz  
 Channel No. 102 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	42.76	9.89	V	52.65	73.98	21.33	PK
11020	30.14	9.89	V	40.03	53.98	13.95	AV
16530	45.11	11.59	V	56.70	68.20	11.50	PK
11020	41.93	9.89	H	51.82	73.98	22.16	PK
11020	30.01	9.89	H	39.90	53.98	14.08	AV
16530	43.82	11.59	H	55.41	68.20	12.79	PK

Band : UNII 2C  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5590 MHz  
 Channel No. 118 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11180	41.84	9.67	V	51.51	73.98	22.47	PK
11180	29.05	9.67	V	38.72	53.98	15.26	AV
16770	44.41	11.53	V	55.94	68.20	12.26	PK
11180	41.03	9.67	H	50.70	73.98	23.28	PK
11180	28.81	9.67	H	38.48	53.98	15.50	AV
16770	43.48	11.53	H	55.01	68.20	13.19	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 2C  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5710 MHz  
 Channel No. 142 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	43.06	9.18	V	52.24	73.98	21.74	PK
11420	29.76	9.18	V	38.94	53.98	15.04	AV
17130	44.15	13.20	V	57.35	68.20	10.85	PK
11420	41.92	9.18	H	51.10	73.98	22.88	PK
11420	29.60	9.18	H	38.78	53.98	15.20	AV
17130	43.57	13.20	H	56.77	68.20	11.43	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5510 MHz  
 Channel No. 102 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	42.72	9.89	V	52.61	73.98	21.37	PK
11020	30.15	9.89	V	40.04	53.98	13.94	AV
16530	45.17	11.59	V	56.76	68.20	11.44	PK
11020	42.26	9.89	H	52.15	73.98	21.83	PK
11020	30.02	9.89	H	39.91	53.98	14.07	AV
16530	43.64	11.59	H	55.23	68.20	12.97	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5590 MHz  
 Channel No. 118 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11180	43.20	9.67	V	52.87	73.98	21.11	PK
11180	30.05	9.67	V	39.72	53.98	14.26	AV
16770	44.67	11.53	V	56.20	68.20	12.00	PK
11180	42.78	9.67	H	52.45	73.98	21.53	PK
11180	29.80	9.67	H	39.47	53.98	14.51	AV
16770	43.98	11.53	H	55.51	68.20	12.69	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5710 MHz  
 Channel No. 142 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	42.52	9.18	V	51.70	73.98	22.28	PK
11420	29.99	9.18	V	39.17	53.98	14.81	AV
17130	44.47	13.20	V	57.67	68.20	10.53	PK
11420	42.13	9.18	H	51.31	73.98	22.67	PK
11420	29.71	9.18	H	38.89	53.98	15.09	AV
17130	43.81	13.20	H	57.01	68.20	11.19	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: 0  
 Operating Frequency 5530 MHz  
 Channel No. 106 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	42.23	9.83	V	52.06	73.98	21.92	PK
11060	30.99	9.83	V	40.82	53.98	13.16	AV
16590	44.71	11.80	V	56.51	68.20	11.69	PK
11060	41.99	9.83	H	51.82	73.98	22.16	PK
11060	30.67	9.83	H	40.50	53.98	13.48	AV
16590	43.55	11.80	H	55.35	68.20	12.85	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: 0  
 Operating Frequency 5690 MHz  
 Channel No. 138 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	43.03	9.91	V	52.94	73.98	21.04	PK
11380	31.13	9.91	V	41.04	53.98	12.94	AV
17070	43.52	12.72	V	56.24	68.20	11.96	PK
11380	42.65	9.91	H	52.56	73.98	21.42	PK
11380	30.28	9.91	H	40.19	53.98	13.79	AV
17070	42.36	12.72	H	55.08	68.20	13.12	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5745MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	42.22	9.31	V	51.53	73.98	22.45	PK
11490	28.86	9.31	V	38.17	53.98	15.81	AV
17235	43.67	14.49	V	58.16	68.20	10.04	PK
11490	41.56	9.31	H	50.87	73.98	23.11	PK
11490	28.65	9.31	H	37.96	53.98	16.02	AV
17235	42.71	14.49	H	57.20	68.20	11.00	PK

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5785 MHz  
 Channel No. 157 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	42.19	9.38	V	51.57	73.98	22.41	PK
11570	28.85	9.38	V	38.23	53.98	15.75	AV
17355	44.90	15.74	V	60.64	68.20	7.56	PK
11570	41.27	9.38	H	50.65	73.98	23.33	PK
11570	28.81	9.38	H	38.19	53.98	15.79	AV
17355	43.90	15.74	H	59.64	68.20	8.56	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	45.47	8.33	V	53.80	73.98	20.18	PK
11650	31.04	8.33	V	39.37	53.98	14.61	AV
17475	45.57	16.79	V	62.36	68.20	5.84	PK
11650	44.98	8.33	H	53.31	73.98	20.67	PK
11650	30.90	8.33	H	39.23	53.98	14.75	AV
17475	44.46	16.79	H	61.25	68.20	6.95	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 3  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5745MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	42.99	9.31	V	52.30	73.98	21.68	PK
11490	29.02	9.31	V	38.33	53.98	15.65	AV
17235	44.75	14.49	V	59.24	68.20	8.96	PK
11490	42.39	9.31	H	51.70	73.98	22.28	PK
11490	28.64	9.31	H	37.95	53.98	16.03	AV
17235	44.62	14.49	H	59.11	68.20	9.09	PK

Band : UNII 3  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5785 MHz  
 Channel No. 157 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	43.21	9.38	V	52.59	73.98	21.39	PK
11570	29.41	9.38	V	38.79	53.98	15.19	AV
17355	44.16	15.74	V	59.90	68.20	8.30	PK
11570	42.42	9.38	H	51.80	73.98	22.18	PK
11570	29.18	9.38	H	38.56	53.98	15.42	AV
17355	43.10	15.74	H	58.84	68.20	9.36	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 3  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	45.06	8.33	V	53.39	73.98	20.59	PK
11650	30.93	8.33	V	39.26	53.98	14.72	AV
17475	43.95	16.79	V	60.74	68.20	7.46	PK
11650	43.89	8.33	H	52.22	73.98	21.76	PK
11650	30.72	8.33	H	39.05	53.98	14.93	AV
17475	42.66	16.79	H	59.45	68.20	8.75	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5745MHz  
 Channel No. 149 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	43.77	9.31	V	53.08	73.98	20.90	PK
11490	28.63	9.31	V	37.94	53.98	16.04	AV
17235	44.23	14.49	V	58.72	68.20	9.48	PK
11490	42.18	9.31	H	51.49	73.98	22.49	PK
11490	28.43	9.31	H	37.74	53.98	16.24	AV
17235	43.15	14.49	H	57.64	68.20	10.56	PK

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5785 MHz  
 Channel No. 157 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	42.34	9.38	V	51.72	73.98	22.26	PK
11570	28.62	9.38	V	38.00	53.98	15.98	AV
17355	44.45	15.74	V	60.19	68.20	8.01	PK
11570	41.65	9.38	H	51.03	73.98	22.95	PK
11570	28.54	9.38	H	37.92	53.98	16.06	AV
17355	43.72	15.74	H	59.46	68.20	8.74	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	44.67	8.33	V	53.00	73.98	20.98	PK
11650	30.62	8.33	V	38.95	53.98	15.03	AV
17475	44.34	16.79	V	61.13	68.20	7.07	PK
11650	44.30	8.33	H	52.63	73.98	21.35	PK
11650	30.27	8.33	H	38.60	53.98	15.38	AV
17475	43.28	16.79	H	60.07	68.20	8.13	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 3  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5755 MHz  
 Channel No. 151 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	42.41	9.19	V	51.60	73.98	22.38	PK
11510	29.41	9.19	V	38.60	53.98	15.38	AV
17265	43.37	14.32	V	57.69	68.20	10.51	PK
11510	42.06	9.19	H	51.25	73.98	22.73	PK
11510	29.23	9.19	H	38.42	53.98	15.56	AV
17265	43.16	14.32	H	57.48	68.20	10.72	PK

Band : UNII 3  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5795 MHz  
 Channel No. 159 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	42.67	9.46	V	52.13	73.98	21.85	PK
11590	29.67	9.46	V	39.13	53.98	14.85	AV
17385	43.94	15.37	V	59.31	68.20	8.89	PK
11590	41.39	9.46	H	50.85	73.98	23.13	PK
11590	29.34	9.46	H	38.80	53.98	15.18	AV
17385	43.79	15.37	H	59.16	68.20	9.04	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5755 MHz  
 Channel No. 151 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	41.90	9.19	V	51.09	73.98	22.89	PK
11510	29.26	9.19	V	38.45	53.98	15.53	AV
17265	43.53	14.32	V	57.85	68.20	10.35	PK
11510	41.69	9.19	H	50.88	73.98	23.10	PK
11510	29.09	9.19	H	38.28	53.98	15.70	AV
17265	42.95	14.32	H	57.27	68.20	10.93	PK

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5795 MHz  
 Channel No. 159 Ch

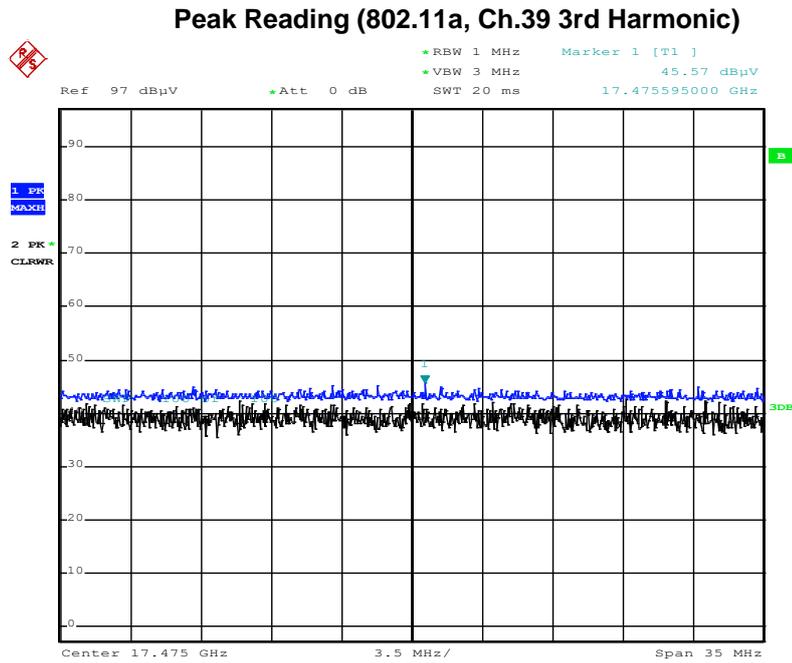
Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	42.07	9.46	V	51.53	73.98	22.45	PK
11590	29.50	9.46	V	38.96	53.98	15.02	AV
17385	43.91	15.37	V	59.28	68.20	8.92	PK
11590	41.81	9.46	H	51.27	73.98	22.71	PK
11590	29.22	9.46	H	38.68	53.98	15.30	AV
17385	43.02	15.37	H	58.39	68.20	9.81	PK

Report No.: HCT-RF-1901-FI003

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: 0  
 Operating Frequency 5775 MHz  
 Channel No. 155 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	42.09	8.90	V	50.99	73.98	22.99	PK
11550	30.99	8.90	V	39.89	53.98	14.09	AV
17325	44.24	15.33	V	59.57	68.20	8.63	PK
11550	41.80	8.90	H	50.70	73.98	23.28	PK
11550	30.25	8.90	H	39.15	53.98	14.83	AV
17325	43.97	15.33	H	59.30	68.20	8.90	PK

■ Test Plots



Date: 17.JAN.2019 10:02:43

**Note : Only the worst case plots for Radiated Spurious Emissions.**

[ANT2]

**Frequency Range : Above 1 GHz**

Band : UNII 1  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	43.81	6.89	V	50.70	68.20	17.50	PK
15540	45.35	12.57	V	57.92	73.98	16.06	PK
15540	31.48	12.57	V	44.05	53.98	9.93	AV
10360	43.67	6.89	H	50.56	68.20	17.64	PK
15540	45.27	12.57	H	57.84	73.98	16.14	PK
15540	31.23	12.57	H	43.80	53.98	10.18	AV

Band : UNII 1  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	44.06	6.94	V	51.00	68.20	17.20	PK
15600	44.93	11.47	V	56.40	73.98	17.58	PK
15600	30.79	11.47	V	42.26	53.98	11.72	AV
10400	43.87	6.94	H	50.81	68.20	17.39	PK
15600	43.82	11.47	H	55.29	73.98	18.69	PK
15600	29.92	11.47	H	41.39	53.98	12.59	AV

Band : UNII 1  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	43.96	7.65	V	51.61	68.20	16.59	PK
15720	43.27	11.66	V	54.93	73.98	19.05	PK
15720	29.97	11.66	V	41.63	53.98	12.35	AV
10480	43.83	7.65	H	51.48	68.20	16.72	PK
15720	42.95	11.66	H	54.61	73.98	19.37	PK
15720	29.89	11.66	H	41.55	53.98	12.43	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 1  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	44.27	6.89	V	51.16	68.20	17.04	PK
15540	44.56	12.57	V	57.13	73.98	16.85	PK
15540	31.27	12.57	V	43.84	53.98	10.14	AV
10360	43.76	6.89	H	50.65	68.20	17.55	PK
15540	43.28	12.57	H	55.85	73.98	18.13	PK
15540	31.19	12.57	H	43.76	53.98	10.22	AV

Band : UNII 1  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	44.61	6.94	V	51.55	68.20	16.65	PK
15600	44.75	11.47	V	56.22	73.98	17.76	PK
15600	30.86	11.47	V	42.33	53.98	11.65	AV
10400	43.54	6.94	H	50.48	68.20	17.72	PK
15600	43.62	11.47	H	55.09	73.98	18.89	PK
15600	30.52	11.47	H	41.99	53.98	11.99	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 1  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	43.96	7.65	V	51.61	68.20	16.59	PK
15720	43.53	11.66	V	55.19	73.98	18.79	PK
15720	29.96	11.66	V	41.62	53.98	12.36	AV
10480	43.47	7.65	H	51.12	68.20	17.08	PK
15720	42.74	11.66	H	54.40	73.98	19.58	PK
15720	29.89	11.66	H	41.55	53.98	12.43	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	43.89	6.89	V	50.78	68.20	17.42	PK
15540	45.59	12.57	V	58.16	73.98	15.82	PK
15540	31.35	12.57	V	43.92	53.98	10.06	AV
10360	43.42	6.89	H	50.31	68.20	17.89	PK
15540	44.36	12.57	H	56.93	73.98	17.05	PK
15540	31.31	12.57	H	43.88	53.98	10.10	AV

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	44.05	6.94	V	50.99	68.20	17.21	PK
15600	44.12	11.47	V	55.59	73.98	18.39	PK
15600	30.80	11.47	V	42.27	53.98	11.71	AV
10400	43.39	6.94	H	50.33	68.20	17.87	PK
15600	43.78	11.47	H	55.25	73.98	18.73	PK
15600	30.74	11.47	H	42.21	53.98	11.77	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	44.12	7.65	V	51.77	68.20	16.43	PK
15720	43.54	11.66	V	55.20	73.98	18.78	PK
15720	30.00	11.66	V	41.66	53.98	12.32	AV
10480	43.40	7.65	H	51.05	68.20	17.15	PK
15720	42.75	11.66	H	54.41	73.98	19.57	PK
15720	29.85	11.66	H	41.51	53.98	12.47	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 1  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	44.66	6.54	V	51.20	68.20	17.00	PK
15570	45.52	11.95	V	57.47	73.98	16.51	PK
15570	31.61	11.95	V	43.56	53.98	10.42	AV
10380	44.30	6.54	H	50.84	68.20	17.36	PK
15570	43.74	11.95	H	55.69	73.98	18.29	PK
15570	31.47	11.95	H	43.42	53.98	10.56	AV

Band : UNII 1  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: 0  
 Operating Frequency 5230 MHz  
 Channel No. 46 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	43.30	7.97	V	51.27	68.20	16.93	PK
15690	43.40	12.00	V	55.40	73.98	18.58	PK
15690	30.98	12.00	V	42.98	53.98	11.00	AV
10460	42.30	7.97	H	50.27	68.20	17.93	PK
15690	42.36	12.00	H	54.36	73.98	19.62	PK
15690	30.61	12.00	H	42.61	53.98	11.37	AV

Report No.: HCT-RF-1901-FI003

Band :	UNII 1
Operation Mode:	802.11 ac(VHT40)
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	44.09	6.54	V	50.63	68.20	17.57	PK
15570	44.75	11.95	V	56.70	73.98	17.28	PK
15570	31.75	11.95	V	43.70	53.98	10.28	AV
10380	44.01	6.54	H	50.55	68.20	17.65	PK
15570	43.93	11.95	H	55.88	73.98	18.10	PK
15570	31.47	11.95	H	43.42	53.98	10.56	AV

Band :	UNII 1
Operation Mode:	802.11 ac(VHT40)
Transfer MCS Index:	0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	43.25	7.97	V	51.22	68.20	16.98	PK
15690	43.92	12.00	V	55.92	73.98	18.06	PK
15690	30.93	12.00	V	42.93	53.98	11.05	AV
10460	42.76	7.97	H	50.73	68.20	17.47	PK
15690	42.87	12.00	H	54.87	73.98	19.11	PK
15690	30.85	12.00	H	42.85	53.98	11.13	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: 0  
 Operating Frequency 5210 MHz  
 Channel No. 42 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	43.31	7.88	V	51.19	68.20	17.01	PK
15630	44.67	12.05	V	56.72	73.98	17.26	PK
15630	33.35	12.05	V	45.40	53.98	8.58	AV
10420	42.97	7.88	H	50.85	68.20	17.35	PK
15630	43.28	12.05	H	55.33	73.98	18.65	PK
15630	32.84	12.05	H	44.89	53.98	9.09	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5260 MHz  
 Channel No. 52 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	46.46	8.33	V	54.79	68.20	13.41	PK
15780	42.99	12.21	V	55.20	73.98	18.78	PK
15780	29.26	12.21	V	41.47	53.98	12.51	AV
10520	44.97	8.33	H	53.30	68.20	14.90	PK
15780	42.24	12.21	H	54.45	73.98	19.53	PK
15780	29.09	12.21	H	41.30	53.98	12.68	AV

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5300 MHz  
 Channel No. 60 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	43.81	8.85	V	52.66	73.98	21.32	PK
10600	30.29	8.85	V	39.14	53.98	14.84	AV
15900	44.77	11.90	V	56.67	73.98	17.31	PK
15900	30.05	11.90	V	41.95	53.98	12.03	AV
10600	42.69	8.85	H	51.54	73.98	22.44	PK
10600	30.16	8.85	H	39.01	53.98	14.97	AV
15900	43.45	11.90	H	55.35	73.98	18.63	PK
15900	29.98	11.90	H	41.88	53.98	12.10	AV

Report No.: HCT-RF-1901-FI003

Band : UNII 2A  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L.-A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	43.11	9.25	V	52.36	73.98	21.62	PK
10640	29.74	9.25	V	38.99	53.98	14.99	AV
15960	43.54	10.55	V	54.09	73.98	19.89	PK
15960	30.05	10.55	V	40.60	53.98	13.38	AV
10640	42.73	9.25	H	51.98	73.98	22.00	PK
10640	28.66	9.25	H	37.91	53.98	16.07	AV
15960	42.78	10.55	H	53.33	73.98	20.65	PK
15960	30.01	10.55	H	40.56	53.98	13.42	AV