

802.11n(HT40) UNII Band



802.11ac(VHT40) UNII Band



802.11ac(VHT80) UNII Band



10.7.2 Output Power

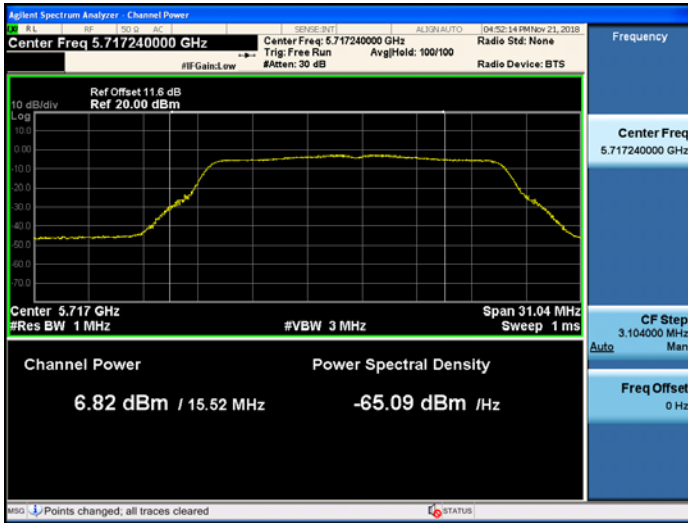
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	6.82	0.298	7.12	22.91
802.11n(HT20)			6.62	0.843	7.46	22.91
802.11ac(VHT20)			6.53	0.602	7.13	22.93
802.11a	5720 (UNII 3 Band)	144	-0.42	0.298	-0.12	30.00
802.11n(HT20)			-0.16	0.843	0.68	30.00
802.11ac(VHT20)			-0.20	0.602	0.40	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	5.54	1.808	7.35	24.00
802.11ac(VHT40)			5.56	1.775	7.34	24.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-5.77	1.808	-3.96	30.00
802.11ac(VHT40)			-5.70	1.775	-3.92	30.00

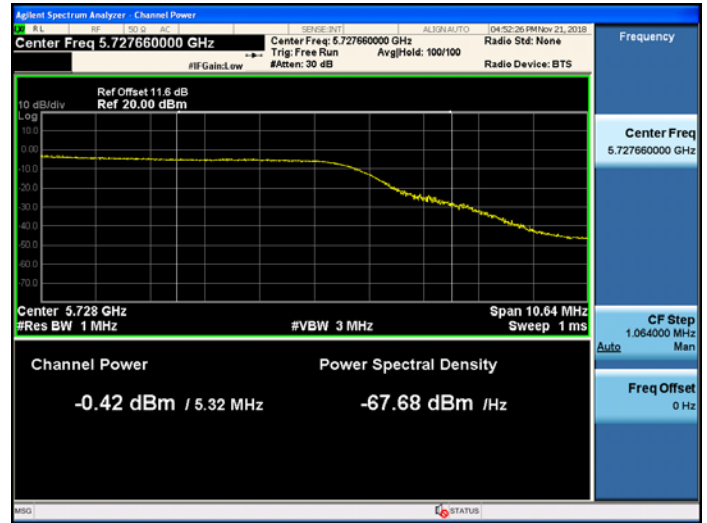
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Measured Power(dBm) + Duty Cycle Factor(dB)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	6.22	1.868	8.09	24.00
	5690 (UNII 3 Band)	138	-8.78	1.868	-6.91	30.00

■ Test Plots

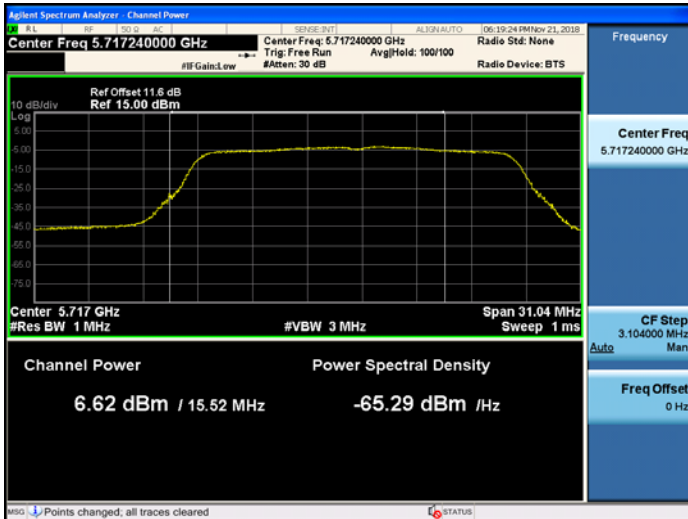
802.11a UNII 2C Band



802.11a UNII 3 Band



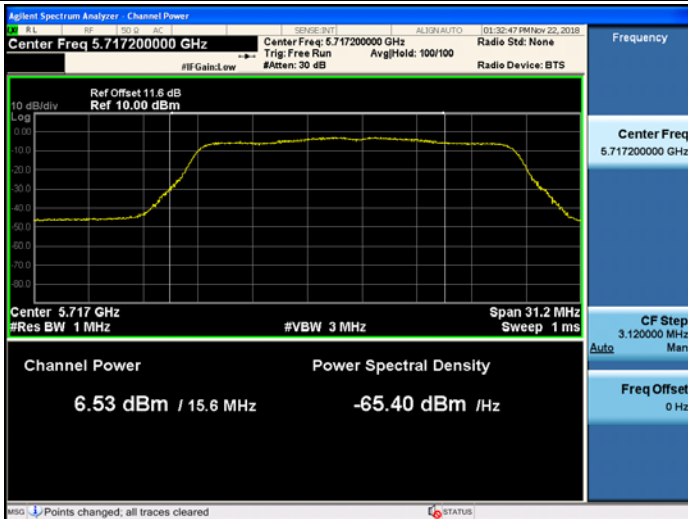
802.11n(HT20) UNII 2C Band



802.11n(HT20) UNII 3 Band



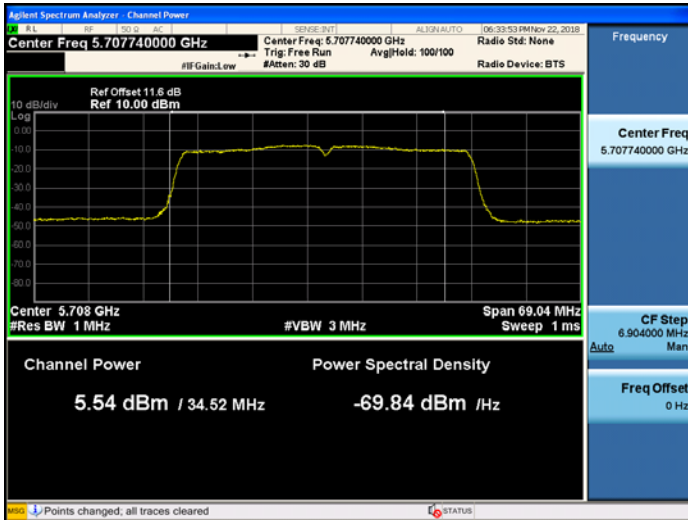
802.11ac(VHT20) UNII 2C Band



802.11ac(VHT20) UNII 3 Band



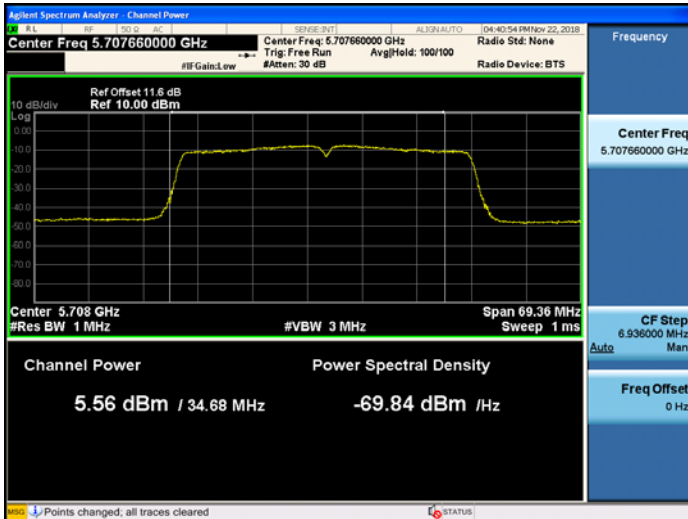
802.11n(HT40) UNII 2C Band



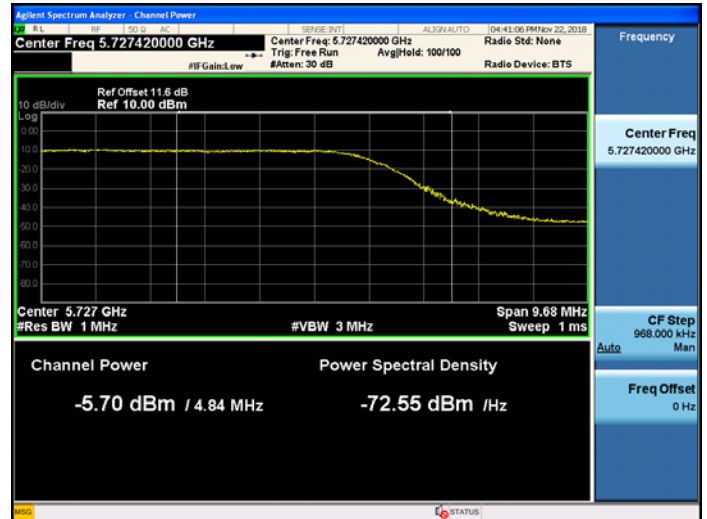
802.11n(HT40) UNII 3 Band



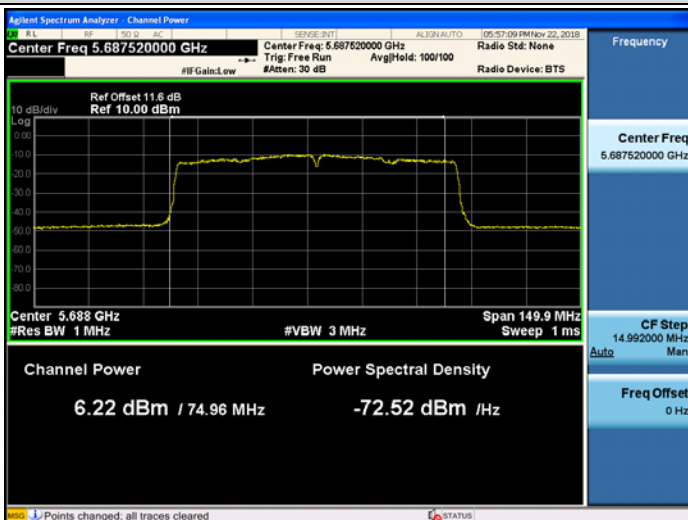
802.11ac(VHT40) UNII 2C Band



802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



10.7.3 Power Spectral Density

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	-2.630	0.298	-2.332	11.00
802.11n(HT20)			-2.383	0.843	-1.540	11.00
802.11ac(VHT20)			-3.184	0.602	-2.582	11.00
802.11a	5720 (UNII 3 Band)	144	-7.444	0.298	-7.146	30.00
802.11n(HT20)			-7.553	0.843	-6.710	30.00
802.11ac(VHT20)			-8.076	0.602	-7.474	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	-6.907	1.808	-5.099	11.00
802.11ac(VHT40)			-6.581	1.775	-4.806	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-12.737	1.808	-10.929	30.00
802.11ac(VHT40)			-12.199	1.775	-10.424	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	-9.889	1.868	-8.021	11.00
	5690 (UNII 3 Band)	138	-15.616	1.868	-13.748	30.00

■ Test Plots

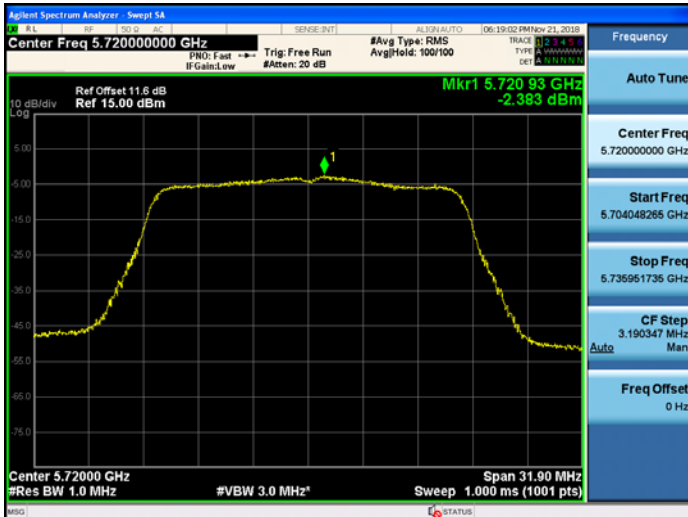
802.11a UNII 2C Band



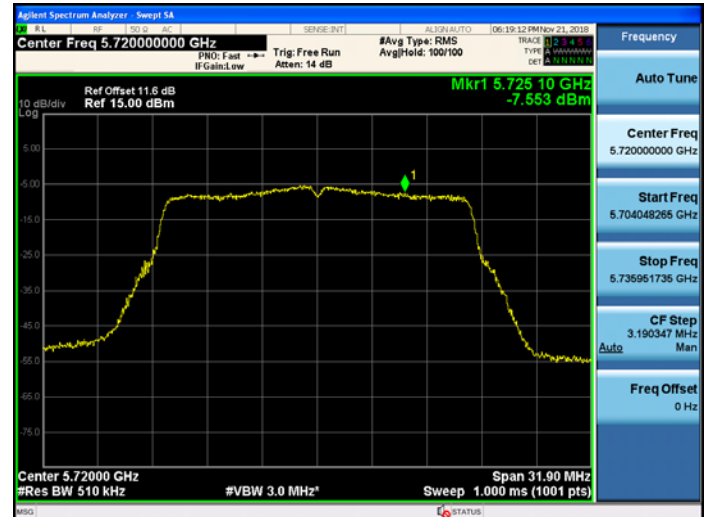
802.11a UNII 3 Band



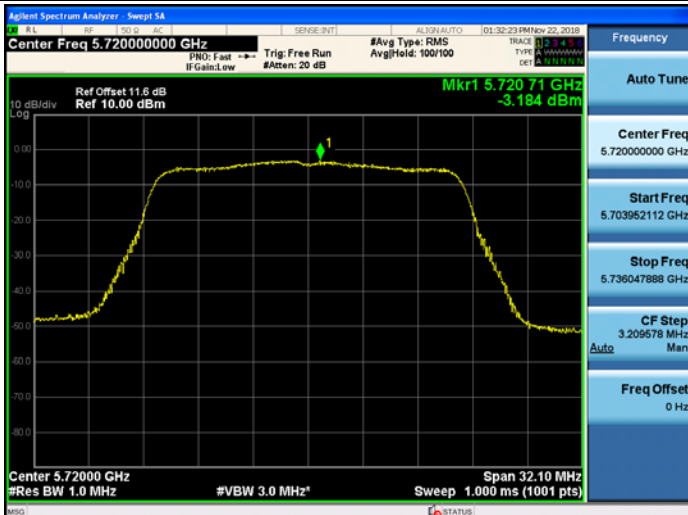
802.11n(HT20) UNII 2C Band



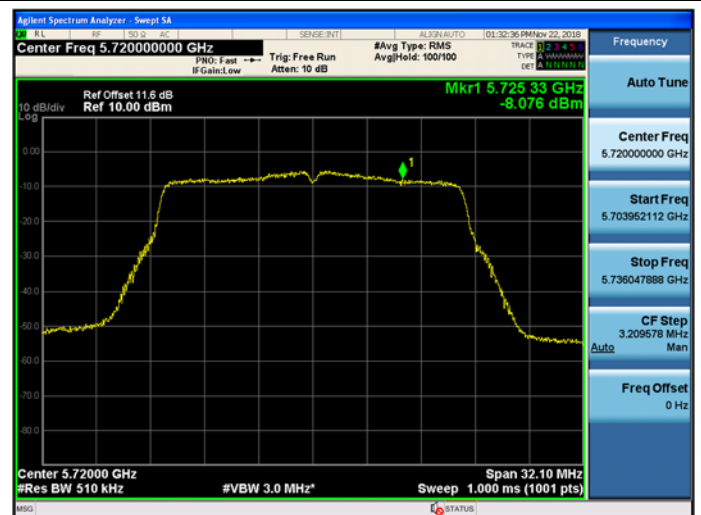
802.11n(HT20) UNII 3 Band



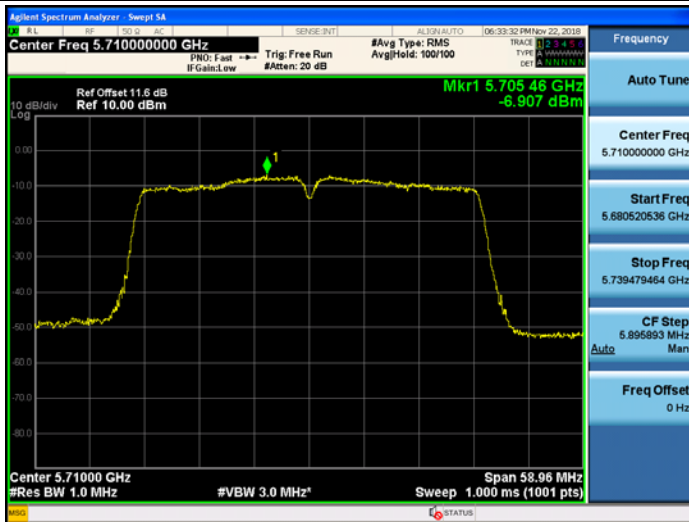
802.11ac(VHT20) UNII 2C Band



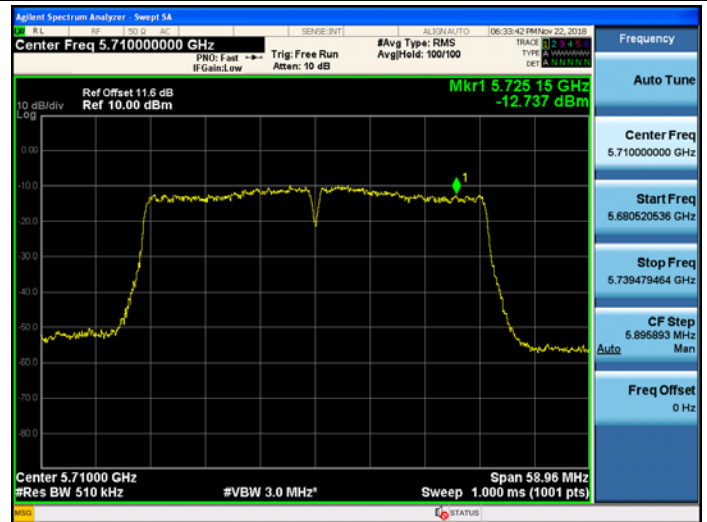
802.11ac(VHT20) UNII 3 Band



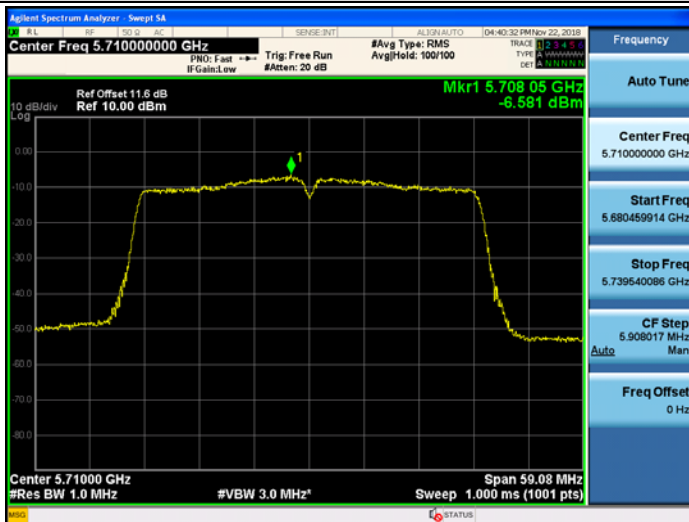
802.11n(HT40) UNII 2C Band



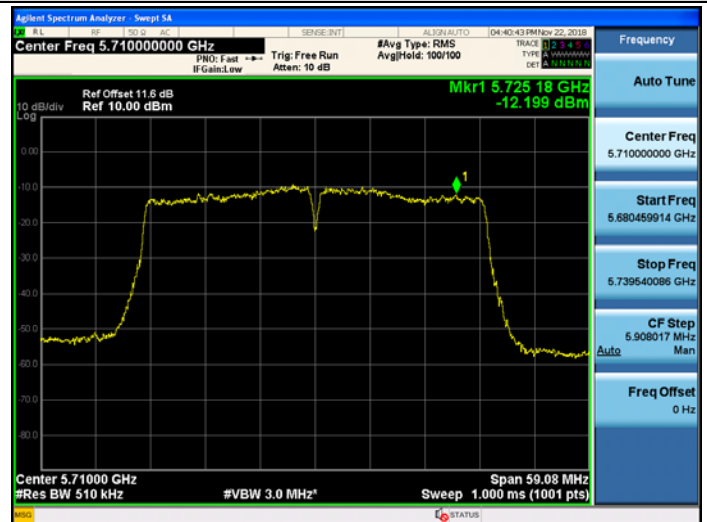
802.11n(HT40) UNII 3 Band



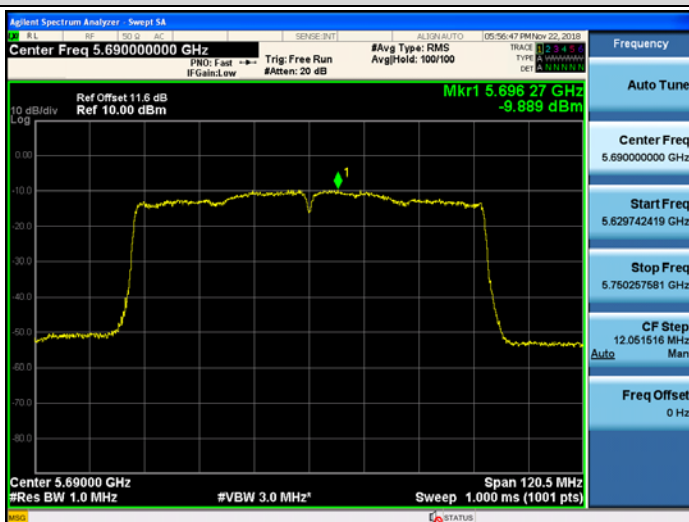
802.11ac(VHT40) UNII 2C Band



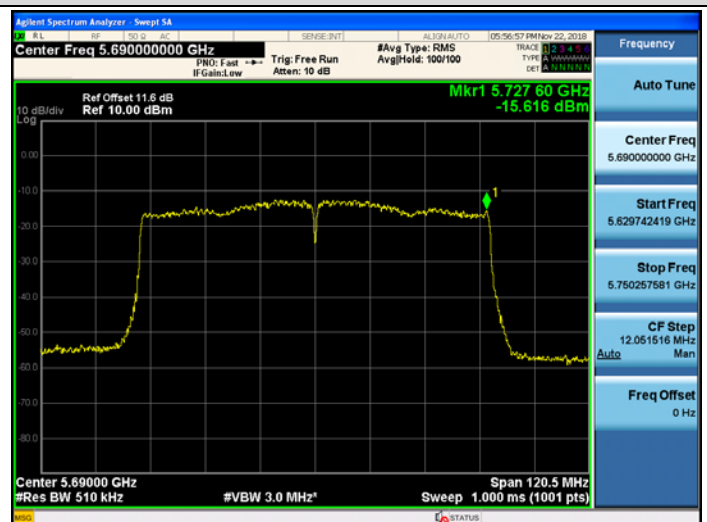
802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Ban



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 open field site 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

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	49.89	4.47	V	54.36	68.20	13.84	PK
15540	51.94	1.80	V	53.74	73.98	20.24	PK
15540	36.96	1.80	V	38.76	53.98	15.22	AV
10360	49.55	4.47	H	54.02	68.20	14.18	PK
15540	51.64	1.80	H	53.44	73.98	20.54	PK
15540	36.85	1.80	H	38.65	53.98	15.33	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	49.05	3.22	V	52.27	68.20	15.93	PK
15600	50.91	1.06	V	51.97	73.98	22.01	PK
15600	36.11	1.06	V	37.17	53.98	16.81	AV
10400	49.10	3.22	H	52.32	68.20	15.88	PK
15600	50.84	1.06	H	51.90	73.98	22.08	PK
15600	35.89	1.06	H	36.95	53.98	17.03	AV

Report No.: HCT-RF-1902-FC003

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	48.96	3.53	V	52.49	68.20	15.71	PK
15720	50.36	1.54	V	51.90	73.98	22.08	PK
15720	36.23	1.54	V	37.77	53.98	16.21	AV
10480	48.79	3.53	H	52.32	68.20	15.88	PK
15720	50.12	1.54	H	51.66	73.98	22.32	PK
15720	36.09	1.54	H	37.63	53.98	16.35	AV

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	49.95	4.47	V	54.42	68.20	13.78	PK
15540	51.97	1.80	V	53.77	73.98	20.21	PK
15540	37.02	1.80	V	38.82	53.98	15.16	AV
10360	49.75	4.47	H	54.22	68.20	13.98	PK
15540	51.78	1.80	H	53.58	73.98	20.40	PK
15540	36.96	1.80	H	38.76	53.98	15.22	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	49.10	3.22	V	52.32	68.20	15.88	PK
15600	50.56	1.06	V	51.62	73.98	22.36	PK
15600	36.31	1.06	V	37.37	53.98	16.61	AV
10400	49.05	3.22	H	52.27	68.20	15.93	PK
15600	50.39	1.06	H	51.45	73.98	22.53	PK
15600	36.28	1.06	H	37.34	53.98	16.64	AV

Report No.: HCT-RF-1902-FC003

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	48.86	3.53	V	52.39	68.20	15.81	PK
15720	50.31	1.54	V	51.85	73.98	22.13	PK
15720	36.21	1.54	V	37.75	53.98	16.23	AV
10480	48.81	3.53	H	52.34	68.20	15.86	PK
15720	50.26	1.54	H	51.80	73.98	22.18	PK
15720	36.18	1.54	H	37.72	53.98	16.26	AV

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	49.84	4.47	V	54.31	68.20	13.89	PK
15540	51.68	1.80	V	53.48	73.98	20.50	PK
15540	36.94	1.80	V	38.74	53.98	15.24	AV
10360	49.68	4.47	H	54.15	68.20	14.05	PK
15540	51.55	1.80	H	53.35	73.98	20.63	PK
15540	36.72	1.80	H	38.52	53.98	15.46	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	49.23	3.22	V	52.45	68.20	15.75	PK
15600	50.90	1.06	V	51.96	73.98	22.02	PK
15600	36.51	1.06	V	37.57	53.98	16.41	AV
10400	49.16	3.22	H	52.38	68.20	15.82	PK
15600	50.46	1.06	H	51.52	73.98	22.46	PK
15600	36.48	1.06	H	37.54	53.98	16.44	AV

Report No.: HCT-RF-1902-FC003

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	48.96	3.53	V	52.49	68.20	15.71	PK
15720	51.00	1.54	V	52.54	73.98	21.44	PK
15720	36.34	1.54	V	37.88	53.98	16.10	AV
10480	48.86	3.53	H	52.39	68.20	15.81	PK
15720	50.86	1.54	H	52.40	73.98	21.58	PK
15720	35.88	1.54	H	37.42	53.98	16.56	AV

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	49.85	2.88	V	52.73	68.20	15.47	PK
15570	49.36	1.57	V	50.93	73.98	23.05	PK
15570	35.88	1.57	V	37.45	53.98	16.53	AV
10380	49.56	2.88	H	52.44	68.20	15.76	PK
15570	49.21	1.57	H	50.78	73.98	23.20	PK
15570	35.48	1.57	H	37.05	53.98	16.93	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	48.31	3.56	V	51.87	68.20	16.33	PK
15690	48.60	1.38	V	49.98	73.98	24.00	PK
15690	34.81	1.38	V	36.19	53.98	17.79	AV
10460	48.48	3.56	H	52.04	68.20	16.16	PK
15690	48.59	1.38	H	49.97	73.98	24.01	PK
15690	34.77	1.38	H	36.15	53.98	17.83	AV

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	49.65	2.88	V	52.53	68.20	15.67	PK
15570	49.30	1.57	V	50.87	73.98	23.11	PK
15570	35.71	1.57	V	37.28	53.98	16.70	AV
10380	49.55	2.88	H	52.43	68.20	15.77	PK
15570	49.12	1.57	H	50.69	73.98	23.29	PK
15570	35.68	1.57	H	37.25	53.98	16.73	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	48.22	3.56	V	51.78	68.20	16.42	PK
15690	48.36	1.38	V	49.74	73.98	24.24	PK
15690	34.73	1.38	V	36.11	53.98	17.87	AV
10460	48.15	3.56	H	51.71	68.20	16.49	PK
15690	48.20	1.38	H	49.58	73.98	24.40	PK
15690	34.59	1.38	H	35.97	53.98	18.01	AV

Report No.: HCT-RF-1902-FC003

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	48.87	2.64	V	51.51	68.20	16.69	PK
15630	48.08	1.84	V	49.92	73.98	24.06	PK
15630	35.23	1.84	V	37.07	53.98	16.91	AV
10420	48.58	2.64	H	51.22	68.20	16.98	PK
15630	48.05	1.84	H	49.89	73.98	24.09	PK
15630	35.16	1.84	H	37.00	53.98	16.98	AV

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	49.58	2.35	V	51.93	68.20	16.27	PK
15780	50.57	2.07	V	52.64	73.98	21.34	PK
15780	35.77	2.07	V	37.84	53.98	16.14	AV
10520	49.51	2.35	H	51.86	68.20	16.34	PK
15780	50.48	2.07	H	52.55	73.98	21.43	PK
15780	35.69	2.07	H	37.76	53.98	16.22	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	49.87	3.16	V	53.03	73.98	20.95	PK
10600	38.15	3.16	V	41.31	53.98	12.67	AV
15900	53.24	1.23	V	54.47	73.98	19.51	PK
15900	37.02	1.23	V	38.25	53.98	15.73	AV
10600	49.75	3.16	H	52.91	73.98	21.07	PK
10600	38.06	3.16	H	41.22	53.98	12.76	AV
15900	53.12	1.23	H	54.35	73.98	19.63	PK
15900	36.85	1.23	H	38.08	53.98	15.90	AV

Report No.: HCT-RF-1902-FC003

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	49.90	3.07	V	52.97	73.98	21.01	PK
10640	37.53	3.07	V	40.60	53.98	13.38	AV
15960	53.29	2.06	V	55.35	73.98	18.63	PK
15960	36.85	2.06	V	38.91	53.98	15.07	AV
10640	49.63	3.07	H	52.70	73.98	21.28	PK
10640	37.46	3.07	H	40.53	53.98	13.45	AV
15960	52.98	2.06	H	55.04	73.98	18.94	PK
15960	36.48	2.06	H	38.54	53.98	15.44	AV

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	49.51	2.35	V	51.86	68.20	16.34	PK
15780	50.45	2.07	V	52.52	73.98	21.46	PK
15780	35.89	2.07	V	37.96	53.98	16.02	AV
10520	49.28	2.35	H	51.63	68.20	16.57	PK
15780	50.36	2.07	H	52.43	73.98	21.55	PK
15780	35.77	2.07	H	37.84	53.98	16.14	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	49.79	3.16	V	52.95	73.98	21.03	PK
10600	38.11	3.16	V	41.27	53.98	12.71	AV
15900	53.15	1.23	V	54.38	73.98	19.60	PK
15900	37.05	1.23	V	38.28	53.98	15.70	AV
10600	49.69	3.16	H	52.85	73.98	21.13	PK
10600	38.05	3.16	H	41.21	53.98	12.77	AV
15900	52.98	1.23	H	54.21	73.98	19.77	PK
15900	36.98	1.23	H	38.21	53.98	15.77	AV

Report No.: HCT-RF-1902-FC003

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	49.84	3.07	V	52.91	73.98	21.07	PK
10640	37.42	3.07	V	40.49	53.98	13.49	AV
15960	53.15	2.06	V	55.21	73.98	18.77	PK
15960	36.65	2.06	V	38.71	53.98	15.27	AV
10640	49.58	3.07	H	52.65	73.98	21.33	PK
10640	37.39	3.07	H	40.46	53.98	13.52	AV
15960	52.94	2.06	H	55.00	73.98	18.98	PK
15960	36.29	2.06	H	38.35	53.98	15.63	AV

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	49.64	2.35	V	51.99	68.20	16.21	PK
15780	50.31	2.07	V	52.38	73.98	21.60	PK
15780	35.74	2.07	V	37.81	53.98	16.17	AV
10520	49.57	2.35	H	51.92	68.20	16.28	PK
15780	49.86	2.07	H	51.93	73.98	22.05	PK
15780	35.48	2.07	H	37.55	53.98	16.43	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	49.56	3.16	V	52.72	73.98	21.26	PK
10600	38.05	3.16	V	41.21	53.98	12.77	AV
15900	53.04	1.23	V	54.27	73.98	19.71	PK
15900	36.77	1.23	V	38.00	53.98	15.98	AV
10600	49.36	3.16	H	52.52	73.98	21.46	PK
10600	37.84	3.16	H	41.00	53.98	12.98	AV
15900	52.95	1.23	H	54.18	73.98	19.80	PK
15900	36.56	1.23	H	37.79	53.98	16.19	AV

Report No.: HCT-RF-1902-FC003

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	49.54	3.07	V	52.61	73.98	21.37	PK
10640	37.16	3.07	V	40.23	53.98	13.75	AV
15960	52.88	2.06	V	54.94	73.98	19.04	PK
15960	36.48	2.06	V	38.54	53.98	15.44	AV
10640	49.48	3.07	H	52.55	73.98	21.43	PK
10640	37.05	3.07	H	40.12	53.98	13.86	AV
15960	52.75	2.06	H	54.81	73.98	19.17	PK
15960	36.29	2.06	H	38.35	53.98	15.63	AV

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	49.74	3.85	V	53.59	68.20	14.61	PK
15810	47.94	2.79	V	50.73	73.98	23.25	PK
15810	34.67	2.79	V	37.46	53.98	16.52	AV
10540	49.61	3.85	H	53.46	68.20	14.74	PK
15810	47.44	2.79	H	50.23	73.98	23.75	PK
15810	34.50	2.79	H	37.29	53.98	16.69	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	49.81	2.96	V	52.77	73.98	21.21	PK
10620	36.47	2.96	V	39.43	53.98	14.55	AV
15930	49.05	1.43	V	50.48	73.98	23.50	PK
15930	35.40	1.43	V	36.83	53.98	17.15	AV
10620	49.84	2.96	H	52.80	73.98	21.18	PK
10620	36.48	2.96	H	39.44	53.98	14.54	AV
15930	48.91	1.43	H	50.34	73.98	23.64	PK
15930	35.34	1.43	H	36.77	53.98	17.21	AV

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	49.59	3.85	V	53.44	68.20	14.76	PK
15810	47.87	2.79	V	50.66	73.98	23.32	PK
15810	34.58	2.79	V	37.37	53.98	16.61	AV
10540	49.53	3.85	H	53.38	68.20	14.82	PK
15810	47.39	2.79	H	50.18	73.98	23.80	PK
15810	34.29	2.79	H	37.08	53.98	16.90	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	49.67	2.96	V	52.63	73.98	21.35	PK
10620	36.42	2.96	V	39.38	53.98	14.60	AV
15930	49.04	1.43	V	50.47	73.98	23.51	PK
15930	35.33	1.43	V	36.76	53.98	17.22	AV
10620	49.69	2.96	H	52.65	73.98	21.33	PK
10620	36.50	2.96	H	39.46	53.98	14.52	AV
15930	48.88	1.43	H	50.31	73.98	23.67	PK
15930	35.24	1.43	H	36.67	53.98	17.31	AV

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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	49.26	2.79	V	52.05	68.20	16.15	PK
15870	47.98	2.47	V	50.45	73.98	23.53	PK
15870	34.63	2.47	V	37.10	53.98	16.88	AV
10580	49.14	2.79	H	51.93	68.20	16.27	PK
15870	47.84	2.47	H	50.31	73.98	23.67	PK
15870	34.58	2.47	H	37.05	53.98	16.93	AV

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	51.44	3.36	V	54.80	73.98	19.18	PK
11000	37.82	3.36	V	41.18	53.98	12.80	AV
16500	56.02	5.07	V	61.09	68.20	7.11	PK
11000	51.20	3.36	H	54.56	73.98	19.42	PK
11000	37.46	3.36	H	40.82	53.98	13.16	AV
16500	55.84	5.07	H	60.91	68.20	7.29	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	50.22	4.07	V	54.29	73.98	19.69	PK
11160	37.13	4.07	V	41.20	53.98	12.78	AV
16740	53.42	4.79	V	58.21	68.20	9.99	PK
11160	50.10	4.07	H	54.17	73.98	19.81	PK
11160	36.94	4.07	H	41.01	53.98	12.97	AV
16740	52.82	4.79	H	57.61	68.20	10.59	PK

Report No.: HCT-RF-1902-FC003

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	50.34	3.57	V	53.91	73.98	20.07	PK
11440	36.47	3.57	V	40.04	53.98	13.94	AV
17160	52.27	5.24	V	57.51	68.20	10.69	PK
11440	50.16	3.57	H	53.73	73.98	20.25	PK
11440	36.26	3.57	H	39.83	53.98	14.15	AV
17160	52.16	5.24	H	57.40	68.20	10.80	PK

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	51.68	3.36	V	55.04	73.98	18.94	PK
11000	37.96	3.36	V	41.32	53.98	12.66	AV
16500	57.54	5.07	V	62.61	68.20	5.59	PK
11000	51.42	3.36	H	54.78	73.98	19.20	PK
11000	37.35	3.36	H	40.71	53.98	13.27	AV
16500	56.92	5.07	H	61.99	68.20	6.21	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	51.24	4.07	V	55.31	73.98	18.67	PK
11160	37.56	4.07	V	41.63	53.98	12.35	AV
16740	53.99	4.79	V	58.78	68.20	9.42	PK
11160	51.18	4.07	H	55.25	73.98	18.73	PK
11160	37.42	4.07	H	41.49	53.98	12.49	AV
16740	52.86	4.79	H	57.65	68.20	10.55	PK

Report No.: HCT-RF-1902-FC003

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	51.05	3.57	V	54.62	73.98	19.36	PK
11440	36.87	3.57	V	40.44	53.98	13.54	AV
17160	52.40	5.24	V	57.64	68.20	10.56	PK
11440	51.01	3.57	H	54.58	73.98	19.40	PK
11440	36.57	3.57	H	40.14	53.98	13.84	AV
17160	52.11	5.24	H	57.35	68.20	10.85	PK

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	51.55	3.36	V	54.91	73.98	19.07	PK
11000	37.56	3.36	V	40.92	53.98	13.06	AV
16500	57.26	5.07	V	62.33	68.20	5.87	PK
11000	51.29	3.36	H	54.65	73.98	19.33	PK
11000	37.46	3.36	H	40.82	53.98	13.16	AV
16500	57.18	5.07	H	62.25	68.20	5.95	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	51.30	4.07	V	55.37	73.98	18.61	PK
11160	37.48	4.07	V	41.55	53.98	12.43	AV
16740	53.18	4.79	V	57.97	68.20	10.23	PK
11160	51.24	4.07	H	55.31	73.98	18.67	PK
11160	37.37	4.07	H	41.44	53.98	12.54	AV
16740	52.86	4.79	H	57.65	68.20	10.55	PK

Report No.: HCT-RF-1902-FC003

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	51.10	3.57	V	54.67	73.98	19.31	PK
11440	36.78	3.57	V	40.35	53.98	13.63	AV
17160	52.36	5.24	V	57.60	68.20	10.60	PK
11440	50.86	3.57	H	54.43	73.98	19.55	PK
11440	36.61	3.57	H	40.18	53.98	13.80	AV
17160	52.18	5.24	H	57.42	68.20	10.78	PK

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	50.12	2.97	V	53.09	73.98	20.89	PK
11020	36.50	2.97	V	39.47	53.98	14.51	AV
16530	53.81	4.15	V	57.96	68.20	10.24	PK
11020	50.05	2.97	H	53.02	73.98	20.96	PK
11020	36.42	2.97	H	39.39	53.98	14.59	AV
16530	53.55	4.15	H	57.70	68.20	10.50	PK

Band : UNII 2C
 Operation Mode: 802.11 n(HT40)
 Transfer MCS Index: 0
 Operating Frequency 5550 MHz
 Channel No. 110 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
11100	49.23	2.79	V	52.02	73.98	21.96	PK
11100	36.55	2.79	V	39.34	53.98	14.64	AV
16650	53.66	7.19	V	60.85	68.20	7.35	PK
11100	49.15	2.79	H	51.94	73.98	22.04	PK
11100	36.49	2.79	H	39.28	53.98	14.70	AV
16650	53.46	7.19	H	60.65	68.20	7.55	PK

Report No.: HCT-RF-1902-FC003

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	49.88	3.36	V	53.24	73.98	20.74	PK
11420	37.31	3.36	V	40.67	53.98	13.31	AV
17130	49.14	7.02	V	56.16	68.20	12.04	PK
11420	49.72	3.36	H	53.08	73.98	20.90	PK
11420	37.22	3.36	H	40.58	53.98	13.40	AV
17130	49.05	7.02	H	56.07	68.20	12.13	PK

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	49.35	2.97	V	52.32	73.98	21.66	PK
11020	36.13	2.97	V	39.10	53.98	14.88	AV
16530	52.23	4.15	V	56.38	68.20	11.82	PK
11020	49.21	2.97	H	52.18	73.98	21.80	PK
11020	36.05	2.97	H	39.02	53.98	14.96	AV
16530	52.18	4.15	H	56.33	68.20	11.87	PK

Band : UNII 2C
 Operation Mode: 802.11 ac(VHT40)
 Transfer MCS Index: 0
 Operating Frequency 5550 MHz
 Channel No. 110 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
11100	48.76	2.79	V	51.55	73.98	22.43	PK
11100	36.24	2.79	V	39.03	53.98	14.95	AV
16650	51.98	7.19	V	59.17	68.20	9.03	PK
11100	48.69	2.79	H	51.48	73.98	22.50	PK
11100	36.11	2.79	H	38.90	53.98	15.08	AV
16650	51.58	7.19	H	58.77	68.20	9.43	PK

Report No.: HCT-RF-1902-FC003

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	49.71	3.36	V	53.07	73.98	20.91	PK
11420	36.84	3.36	V	40.20	53.98	13.78	AV
17130	48.17	7.02	V	55.19	68.20	13.01	PK
11420	49.58	3.36	H	52.94	73.98	21.04	PK
11420	36.74	3.36	H	40.10	53.98	13.88	AV
17130	48.20	7.02	H	55.22	68.20	12.98	PK

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	48.76	3.46	V	52.22	73.98	21.76	PK
11060	35.73	3.46	V	39.19	53.98	14.79	AV
16590	48.33	4.11	V	52.44	68.20	15.76	PK
11060	48.91	3.46	H	52.37	73.98	21.61	PK
11060	35.69	3.46	H	39.15	53.98	14.83	AV
16590	48.26	4.11	H	52.37	68.20	15.83	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	49.06	3.41	V	52.47	73.98	21.51	PK
11380	36.36	3.41	V	39.77	53.98	14.21	AV
17070	47.11	5.78	V	52.89	68.20	15.31	PK
11380	48.50	3.41	H	51.91	73.98	22.07	PK
11380	36.21	3.41	H	39.62	53.98	14.36	AV
17070	4.06	5.78	H	9.84	68.20	58.36	PK

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	49.18	2.87	V	52.05	73.98	21.93	PK
11490	37.46	2.87	V	40.33	53.98	13.65	AV
17235	47.85	7.44	V	55.29	68.20	12.92	PK
11490	49.27	2.51	H	51.78	73.98	22.20	PK
11490	37.92	2.51	H	40.43	53.98	13.55	AV
17235	47.72	7.44	H	55.16	68.20	13.05	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	48.54	2.48	V	51.02	73.98	22.96	PK
11570	36.85	2.48	V	39.33	53.98	14.65	AV
17355	47.54	7.86	V	55.40	68.20	12.81	PK
11570	48.83	2.48	H	51.31	73.98	22.67	PK
11570	36.99	2.48	H	39.47	53.98	14.51	AV
17355	47.63	7.86	H	55.49	68.20	12.72	PK

Report No.: HCT-RF-1902-FC003

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	49.57	3.24	V	52.81	73.98	21.17	PK
11650	38.15	3.24	V	41.39	53.98	12.59	AV
17475	50.58	8.14	V	58.72	68.20	9.49	PK
11650	49.74	3.24	H	52.98	73.98	21.00	PK
11650	38.85	3.24	H	42.09	53.98	11.89	AV
17475	50.86	8.14	H	59.00	68.20	9.21	PK

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	50.14	2.87	V	53.01	73.98	20.97	PK
11490	37.95	2.87	V	40.82	53.98	13.16	AV
17235	47.84	7.44	V	55.28	68.20	12.93	PK
11490	50.50	2.51	H	53.01	73.98	20.97	PK
11490	38.02	2.51	H	40.53	53.98	13.45	AV
17235	47.66	7.44	H	55.10	68.20	13.11	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	48.68	2.48	V	51.16	73.98	22.82	PK
11570	37.05	2.48	V	39.53	53.98	14.45	AV
17355	47.88	7.86	V	55.74	68.20	12.47	PK
11570	48.54	2.48	H	51.02	73.98	22.96	PK
11570	37.10	2.48	H	39.58	53.98	14.40	AV
17355	47.79	7.86	H	55.65	68.20	12.56	PK

Report No.: HCT-RF-1902-FC003

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	50.11	3.24	V	53.35	73.98	20.63	PK
11650	38.86	3.24	V	42.10	53.98	11.88	AV
17475	50.74	8.14	V	58.88	68.20	9.33	PK
11650	50.25	3.24	H	53.49	73.98	20.49	PK
11650	39.09	3.24	H	42.33	53.98	11.65	AV
17475	50.95	8.14	H	59.09	68.20	9.12	PK

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	49.57	2.87	V	52.44	73.98	21.54	PK
11490	37.46	2.87	V	40.33	53.98	13.65	AV
17235	47.44	7.44	V	54.88	68.20	13.33	PK
11490	50.10	2.51	H	52.61	73.98	21.37	PK
11490	37.54	2.51	H	40.05	53.98	13.93	AV
17235	47.54	7.44	H	54.98	68.20	13.23	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	48.56	2.48	V	51.04	73.98	22.94	PK
11570	36.89	2.48	V	39.37	53.98	14.61	AV
17355	47.69	7.86	V	55.55	68.20	12.66	PK
11570	48.69	2.48	H	51.17	73.98	22.81	PK
11570	37.05	2.48	H	39.53	53.98	14.45	AV
17355	47.85	7.86	H	55.71	68.20	12.50	PK

Report No.: HCT-RF-1902-FC003

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	49.71	3.24	V	52.95	73.98	21.03	PK
11650	38.48	3.24	V	41.72	53.98	12.26	AV
17475	50.69	8.14	V	58.83	68.20	9.38	PK
11650	49.87	3.24	H	53.11	73.98	20.87	PK
11650	38.84	3.24	H	42.08	53.98	11.90	AV
17475	50.71	8.14	H	58.85	68.20	9.36	PK

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	49.32	2.90	V	52.22	73.98	21.76	PK
11510	36.05	2.90	V	38.95	53.98	15.03	AV
17265	47.88	6.80	V	54.68	68.20	13.52	PK
11510	49.25	2.90	H	52.15	73.98	21.83	PK
11510	35.95	2.90	H	38.85	53.98	15.13	AV
17265	47.86	6.80	H	54.66	68.20	13.54	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	49.41	3.72	V	53.13	73.98	20.85	PK
11590	38.14	3.72	V	41.86	53.98	12.12	AV
17385	48.23	7.21	V	55.44	68.20	12.77	PK
11590	49.35	3.72	H	53.07	73.98	20.91	PK
11590	38.11	3.72	H	41.83	53.98	12.15	AV
17385	48.16	7.21	H	55.37	68.20	12.84	PK

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	48.95	2.90	V	51.85	73.98	22.13	PK
11510	36.14	2.90	V	39.04	53.98	14.94	AV
17265	47.61	6.80	V	54.41	68.20	13.79	PK
11510	48.87	2.90	H	51.77	73.98	22.21	PK
11510	36.02	2.90	H	38.92	53.98	15.06	AV
17265	47.39	6.80	H	54.19	68.20	14.01	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	48.87	3.72	V	52.59	73.98	21.39	PK
11590	37.36	3.72	V	41.08	53.98	12.90	AV
17385	48.47	7.21	V	55.68	68.20	12.53	PK
11590	48.76	3.72	H	52.48	73.98	21.50	PK
11590	37.18	3.72	H	40.90	53.98	13.08	AV
17385	48.28	7.21	H	55.49	68.20	12.72	PK

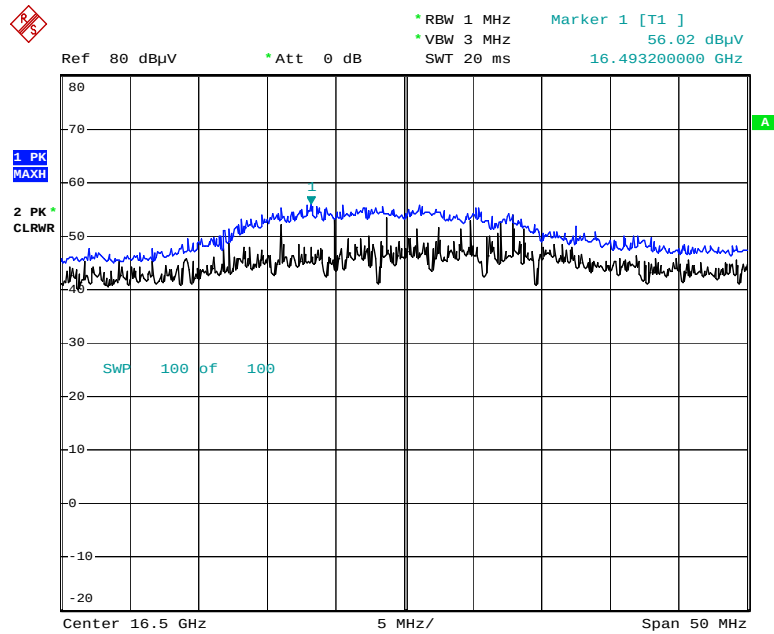
Report No.: HCT-RF-1902-FC003

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	49.57	3.32	V	52.89	73.98	21.09	PK
11550	35.60	3.32	V	38.92	53.98	15.06	AV
17325	48.49	8.09	V	56.58	68.20	11.63	PK
11550	49.26	3.32	H	52.58	73.98	21.40	PK
11550	35.45	3.32	H	38.77	53.98	15.21	AV
17325	48.22	8.09	H	56.31	68.20	11.90	PK

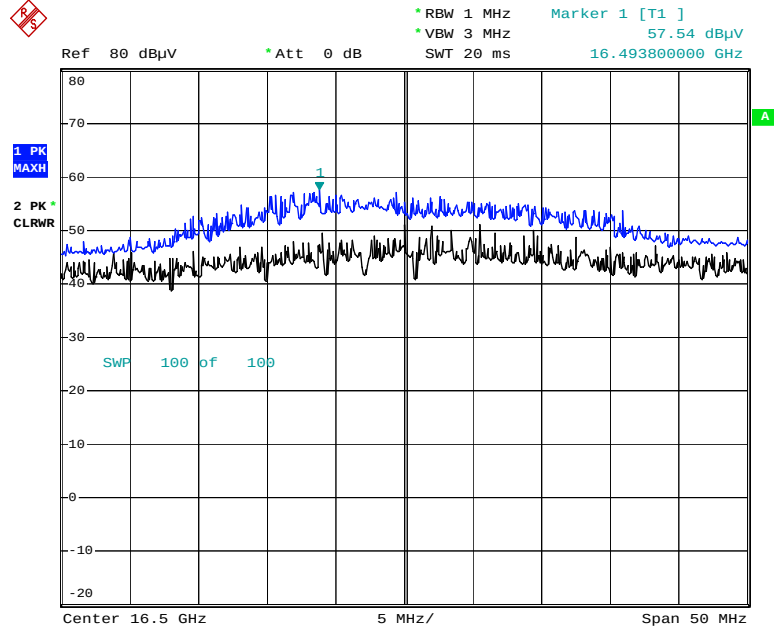
■ Test Plots

Peak Reading (802.11a, Ch.100 3rd Harmonic, X-V)



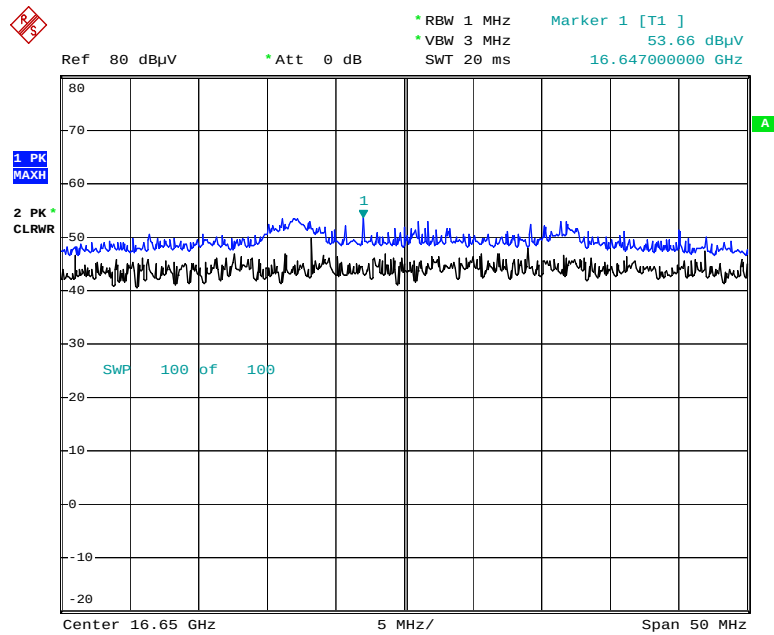
Date: 13.NOV.2018 12:51:55

Peak Reading (802.11n_HT20, Ch.100 3rd Harmonic, X-V)



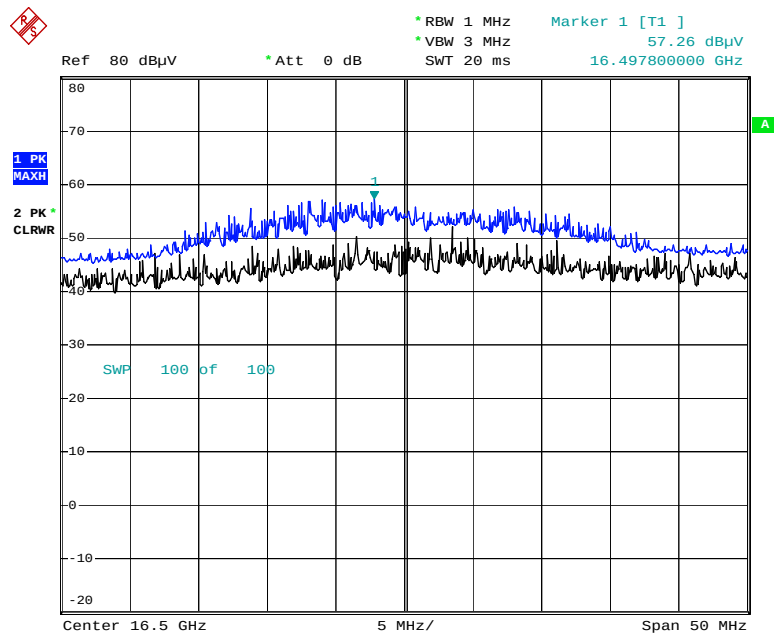
Date: 13.NOV.2018 13:15:08

Peak Reading (802.11n_HT40, Ch.110 3rd Harmonic, X-V)



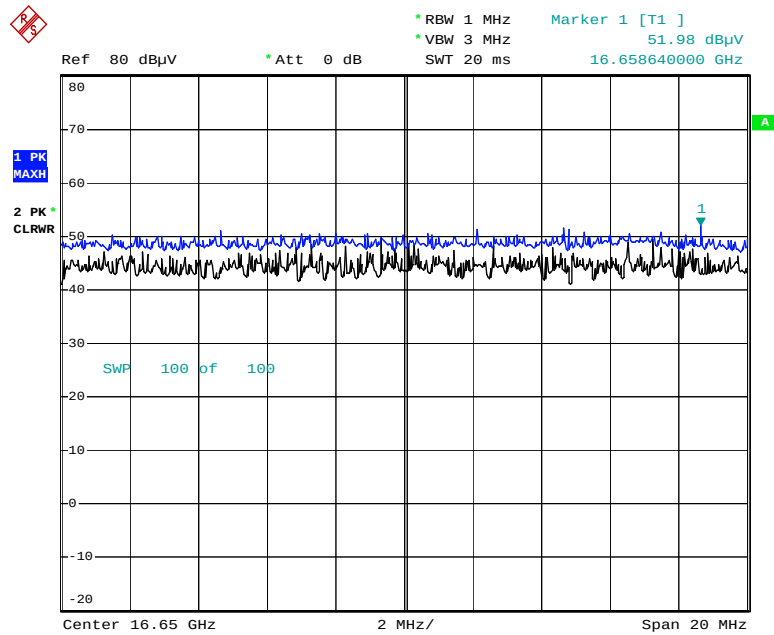
Date: 13.NOV.2018 13:26:54

Peak Reading (802.11ac_VHT20, Ch.100 3rd Harmonic, X-V)



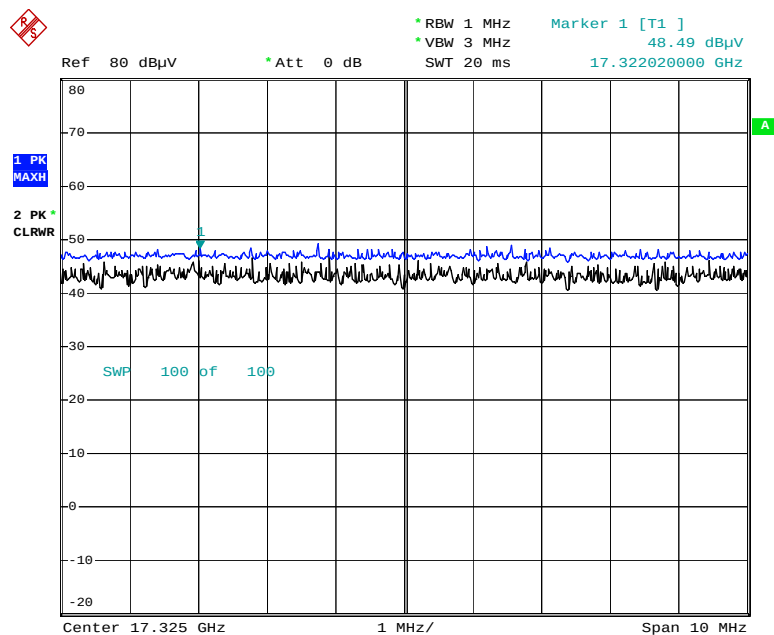
Date: 13.NOV.2018 13:17:06

Peak Reading (802.11ac_VHT40, Ch.110 3rd Harmonic, X-V)



Date: 13.NOV.2018 13:24:58

Peak Reading (802.11ac_VHT80, Ch.155 3rd Harmonic, X-V)



Date: 13.NOV.2018 13:33:19

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

10.9 RADIATED RESTRICTED BAND EDGE

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

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	52.99	3.07	H	56.06	73.98	17.92	PK
5150	40.04	3.07	H	43.11	53.98	10.87	AV
5150	52.79	3.07	V	55.86	73.98	18.12	PK
5150	39.95	3.07	V	43.02	53.98	10.96	AV

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	53.06	3.07	H	56.13	73.98	17.85	PK
5150	40.00	3.07	H	43.07	53.98	10.91	AV
5150	52.96	3.07	V	56.03	73.98	17.95	PK
5150	39.85	3.07	V	42.92	53.98	11.06	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	52.12	3.07	H	55.19	73.98	18.79	PK
5150	40.33	3.07	H	43.4	53.98	10.58	AV
5150	51.98	3.07	V	55.05	73.98	18.93	PK
5150	40.21	3.07	V	43.28	53.98	10.70	AV

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	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	51.88	3.07	H	54.95	73.98	19.03	PK
5150	39.46	3.07	H	42.53	53.98	11.45	AV
5150	51.69	3.07	V	54.76	73.98	19.22	PK
5150	39.26	3.07	V	42.33	53.98	11.65	AV

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	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	52.10	3.07	H	55.17	73.98	18.81	PK
5150	39.56	3.07	H	42.63	53.98	11.35	AV
5150	51.98	3.07	V	55.05	73.98	18.93	PK
5150	39.23	3.07	V	42.3	53.98	11.68	AV

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	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	51.97	3.07	H	55.04	73.98	18.94	PK
5150	39.01	3.07	H	42.08	53.98	11.90	AV
5150	51.76	3.07	V	54.83	73.98	19.15	PK
5150	38.86	3.07	V	41.93	53.98	12.05	AV

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

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	53.78	2.59	H	56.37	73.98	17.61	PK
5350	40.58	2.59	H	43.17	53.98	10.81	AV
5350	53.99	2.59	V	56.58	73.98	17.40	PK
5350	40.68	2.59	V	43.27	53.98	10.71	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	53.28	2.59	H	55.87	73.98	18.11	PK
5350	40.27	2.59	H	42.86	53.98	11.12	AV
5350	53.38	2.59	V	55.97	73.98	18.01	PK
5350	40.32	2.59	V	42.91	53.98	11.07	AV

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Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	52.89	2.59	H	55.48	73.98	18.50	PK
5350	40.12	2.59	H	42.71	53.98	11.27	AV
5350	53.11	2.59	V	55.7	73.98	18.28	PK
5350	40.23	2.59	V	42.82	53.98	11.16	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	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	53.67	2.59	H	56.26	73.98	17.72	PK
5350	40.31	2.59	H	42.9	53.98	11.08	AV
5350	53.72	2.59	V	56.31	73.98	17.67	PK
5350	40.50	2.59	V	43.09	53.98	10.89	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	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	53.24	2.59	H	55.83	73.98	18.15	PK
5350	40.16	2.59	H	42.75	53.98	11.23	AV
5350	53.79	2.59	V	56.38	73.98	17.60	PK
5350	40.44	2.59	V	43.03	53.98	10.95	AV

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	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	54.36	2.59	H	56.95	73.98	17.03	PK
5350	40.85	2.59	H	43.44	53.98	10.54	AV
5350	54.68	2.59	V	57.27	73.98	16.71	PK
5350	41.10	2.59	V	43.69	53.98	10.29	AV

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

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	53.15	3.13	H	56.28	73.98	17.70	PK
5460	40.28	3.13	H	43.41	53.98	10.57	AV
5470	55.75	3.40	H	59.15	68.20	9.05	PK
5460	53.69	3.13	V	56.82	73.98	17.16	PK
5460	40.47	3.13	V	43.6	53.98	10.38	AV
5470	55.99	3.40	V	59.39	68.20	8.81	PK

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	53.29	3.13	H	56.42	73.98	17.56	PK
5460	40.52	3.13	H	43.65	53.98	10.33	AV
5470	54.21	3.40	H	57.61	68.20	10.59	PK
5460	53.39	3.13	V	56.52	73.98	17.46	PK
5460	40.60	3.13	V	43.73	53.98	10.25	AV
5470	54.32	3.40	V	57.72	68.20	10.48	PK

Report No.: HCT-RF-1902-FC003

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	52.98	3.13	H	56.11	73.98	17.87	PK
5460	40.23	3.13	H	43.36	53.98	10.62	AV
5470	54.28	3.40	H	57.68	68.20	10.52	PK
5460	53.57	3.13	V	56.7	73.98	17.28	PK
5460	40.45	3.13	V	43.58	53.98	10.40	AV
5470	54.49	3.40	V	57.89	68.20	10.31	PK

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	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	59.33	5.72	H	65.05	73.98	8.93	PK
5460	52.74	3.13	H	55.87	73.98	18.11	PK
5460	40.52	3.13	H	43.65	53.98	10.33	AV
5470	56.52	3.40	H	59.92	68.20	8.28	PK
5460	52.90	3.13	V	56.03	73.98	17.95	PK
5460	40.70	3.13	V	43.83	53.98	10.15	AV
5470	57.05	3.40	V	60.45	68.20	7.75	PK

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	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	52.98	3.13	H	56.11	73.98	17.87	PK
5460	40.34	3.13	H	43.47	53.98	10.51	AV
5470	56.36	3.40	H	59.76	68.20	8.44	PK
5460	53.17	3.13	V	56.3	73.98	17.68	PK
5460	40.62	3.13	V	43.75	53.98	10.23	AV
5470	57.22	3.40	V	60.62	68.20	7.58	PK

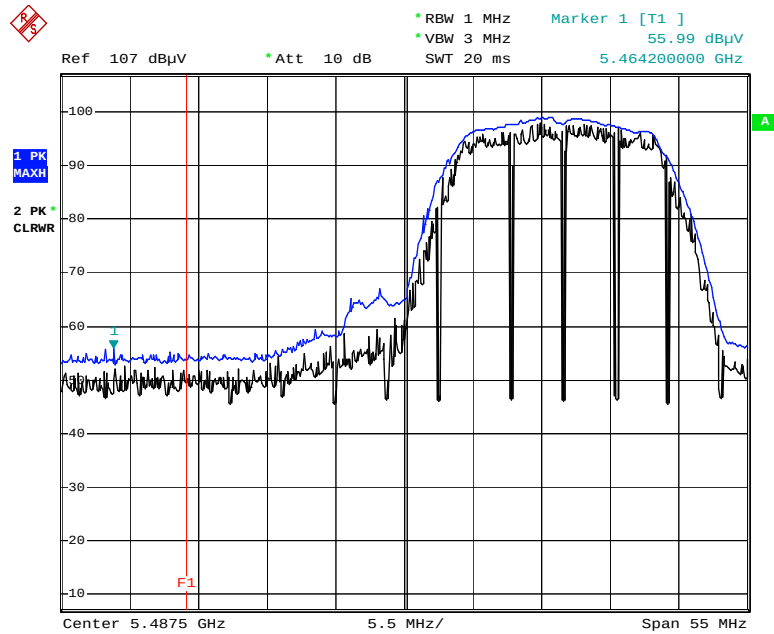
Report No.: HCT-RF-1902-FC003

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	AN.+CL+AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.86	3.13	H	57.99	73.98	15.99	PK
5460	42.65	3.13	H	45.78	53.98	8.20	AV
5470	56.11	3.40	H	59.51	68.20	8.69	PK
5460	55.14	3.13	V	58.27	73.98	15.71	PK
5460	42.71	3.13	V	45.84	53.98	8.14	AV
5470	57.00	3.40	V	60.4	68.20	7.80	PK

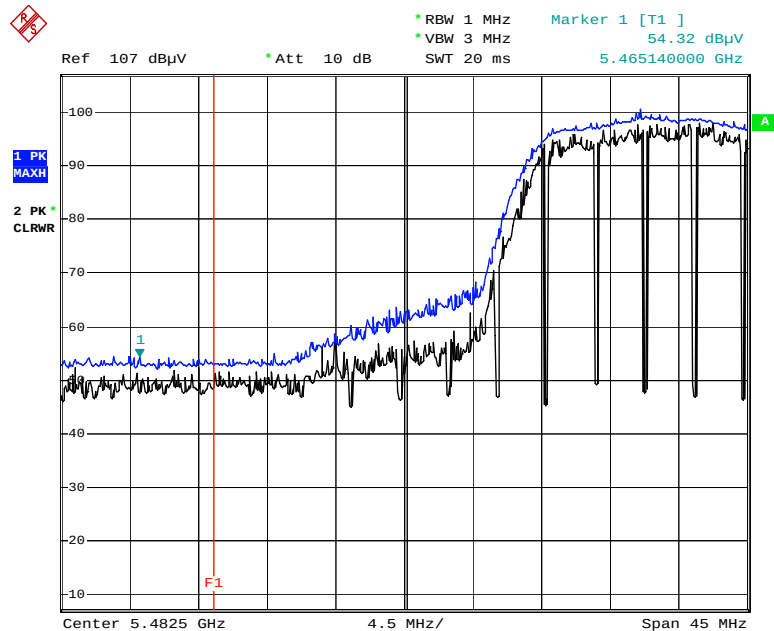
■ Test Plots(UNII 1, 2A, 2C)

Peak Reading (802.11a, Ch.100, X-V)



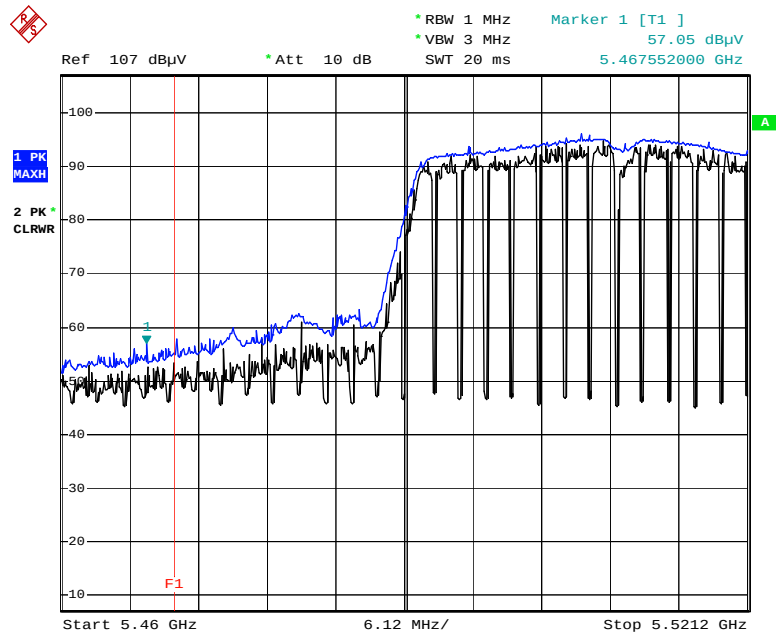
Date: 12.NOV.2018 11:42:42

Peak Reading (802.11n_HT20, Ch.100, X-V)



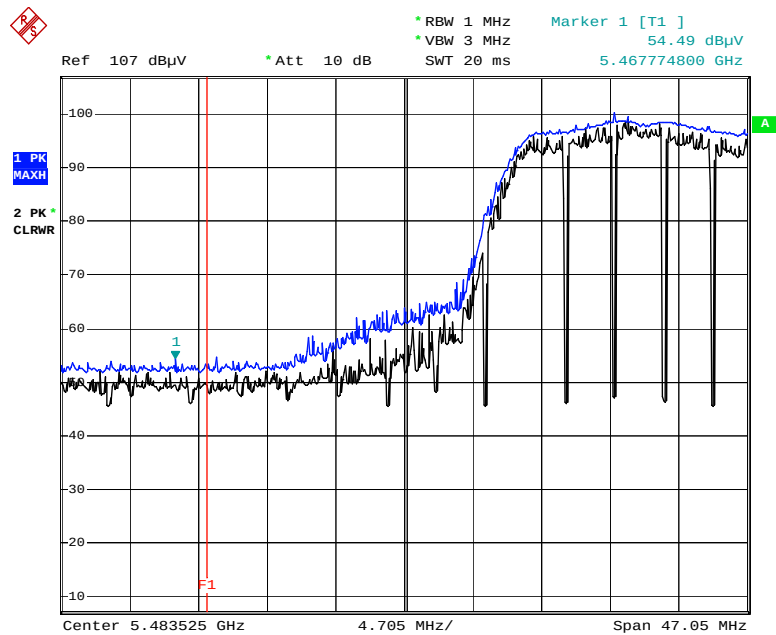
Date: 12.NOV.2018 11:47:29

Peak Reading (802.11n_HT40, Ch.102, X-V)



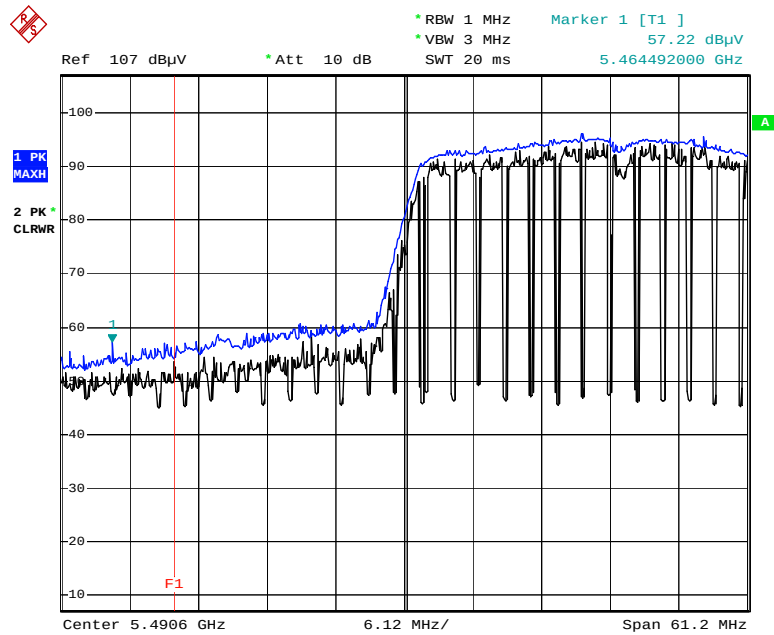
Date: 12.NOV.2018 11:54:22

Peak Reading (802.11ac_VHT20, Ch.100, X-V)



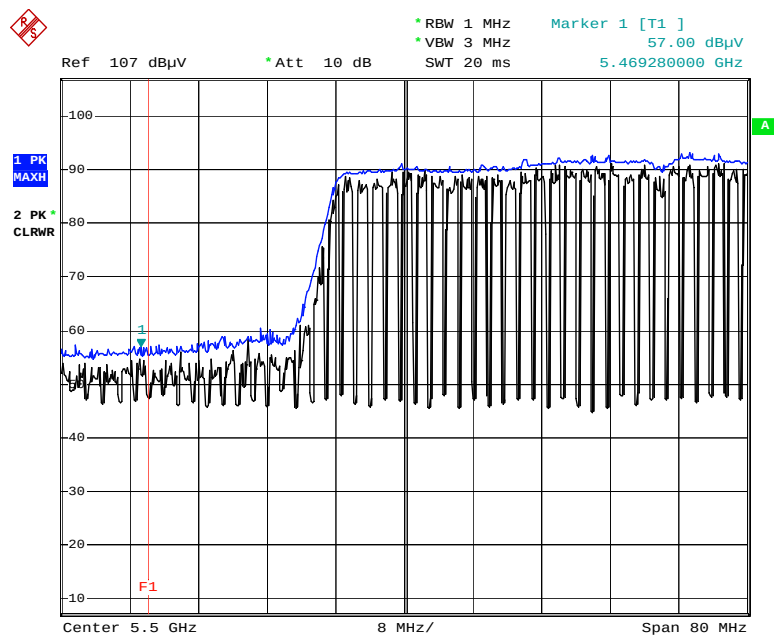
Date: 12.NOV.2018 11:48:51

Peak Reading (802.11ac_VHT40, Ch.102, X-V)



Date: 12.NOV.2018 11:56:06

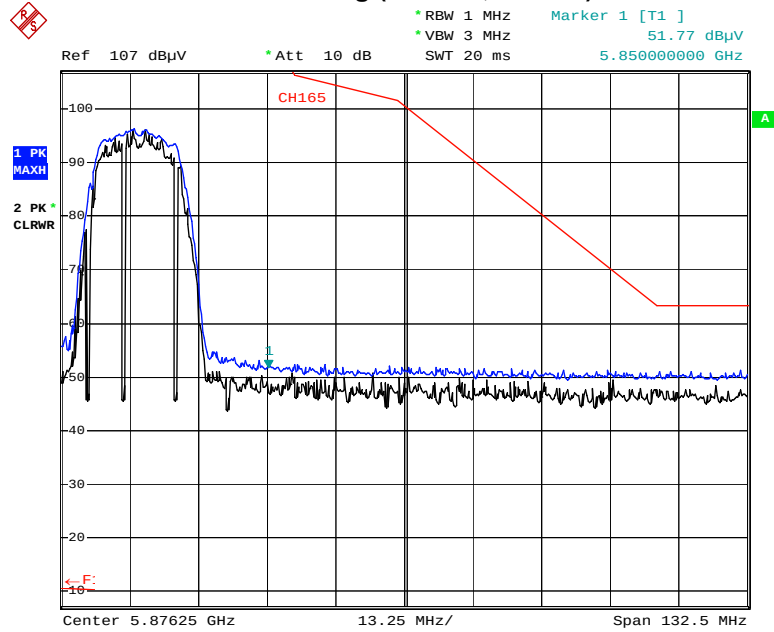
Peak Reading (802.11ac_VHT80, Ch.106, X-V)



Date: 12.NOV.2018 11:59:39

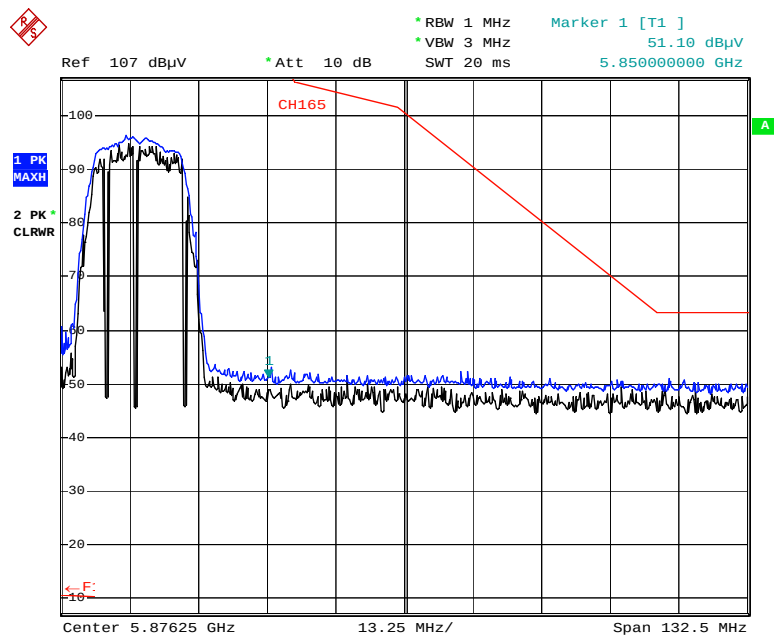
■ Test Plots(UNII 3)

Peak Reading (802.11a, Ch.165)



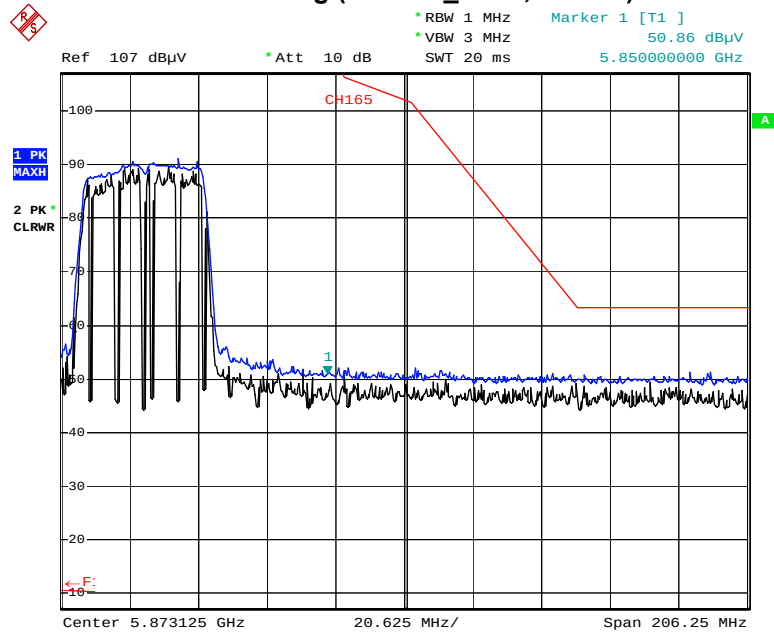
Date: 12.NOV.2018 12:02:40

Peak Reading (802.11n_HT20, Ch.165)



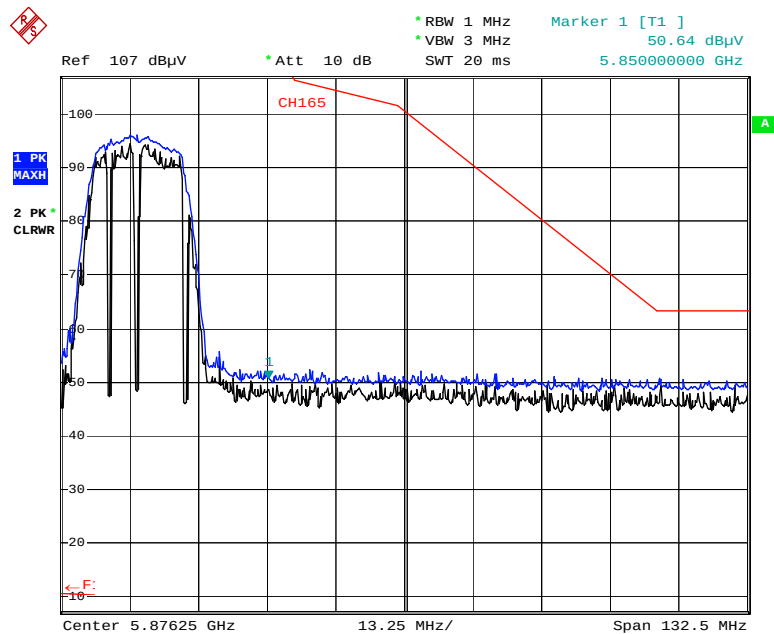
Date: 12.NOV.2018 12:03:28

Peak Reading (802.11n_HT40, Ch.159)



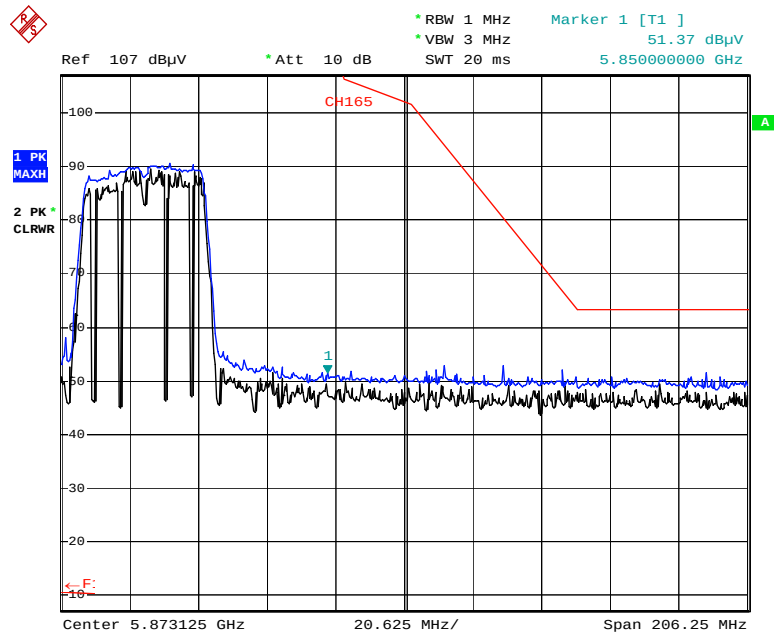
Date: 12.NOV.2018 12:09:26

Peak Reading (802.11ac_VHT20, Ch.165)



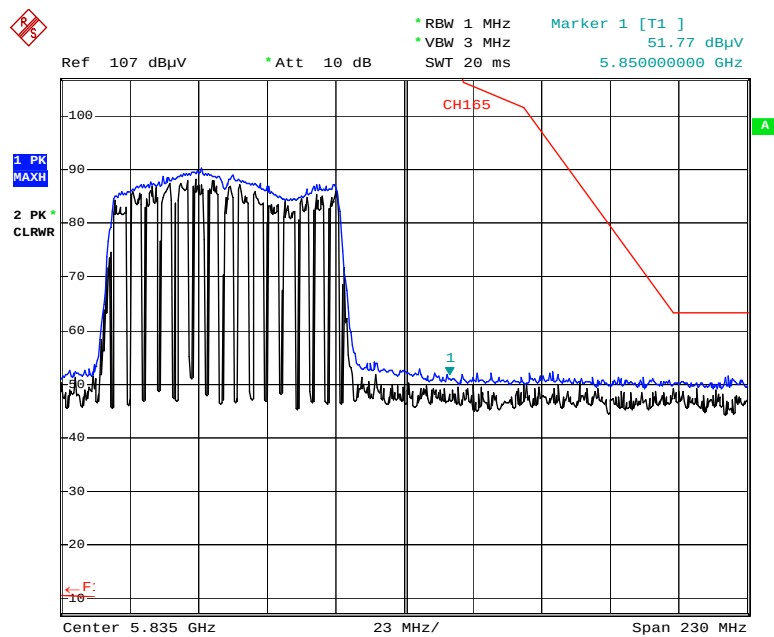
Date: 12.NOV.2018 12:03:54

Peak Reading (802.11ac_VHT40, Ch.159)



Date: 12.NOV.2018 12:10:13

Peak Reading (802.11ac_VHT80, Ch.155)



Date: 12.NOV.2018 12:12:32

11. LIST OF TEST EQUIPMENT

Conducted Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	12/12/2018	Annual	102245
Rohde & Schwarz	ESCI / Test Receiver	06/27/2018	Annual	100033
ESPAC	SU-642 / Temperature Chamber	03/30/2018	Annual	0093008124
Agilent	N9020A / Signal Analyzer	06/08/2018	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	11/20/2018	Annual	MY49431210
Rohde & Schwarz	OSP 120 / Power Measurement Set	07/26/2018	Annual	101231
Agilent	N1911A / Power Meter	04/16/2018	Annual	MY45100523
Agilent	N1921A / Power Sensor	04/16/2018	Annual	MY52260025
Agilent	87300B / Directional Coupler	11/20/2018	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	06/07/2018	Annual	05001
Hewlett Packard	E3632A / DC Power Supply	06/26/2018	Annual	KR75303960
Agilent	8493C / Attenuator(10 dB)	07/10/2018	Annual	07560
Rohde & Schwarz	EMC32 / Software	N/A	N/A	N/A
HCT CO., LTD.	FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	N/A	N/A
Rohde & Schwarz	CBT / Bluetooth Tester	05/17/2018	Annual	100422

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

Radiated Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Innco system	CO3000 / Controller(Antenna mast)	N/A	N/A	CO3000-4p
Innco system	MA4640/800-XP-EP / Antenna Position Tower	N/A	N/A	N/A
Audix	EM1000 / Controller	N/A	N/A	060520
Audix	Turn Table	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	08/23/2018	Biennial	1513-175
Schwarzbeck	VULB 9160 / Hybrid Antenna	08/09/2018	Biennial	3368
Schwarzbeck	BBHA 9120D / Horn Antenna	11/21/2017	Biennial	9120D-1191
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	12/04/2017	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	09/19/2018	Annual	836650/016
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/19/2018	Annual	101068-SZ
Wainwright Instruments	WHKX10-2700-3000-18000-40SS / High Pass Filter	07/16/2018	Annual	4
Wainwright Instruments	WHKX8-6090-7000-18000-40SS / High Pass Filter	07/10/2018	Annual	5
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	06/29/2018	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	01/03/2019	Annual	2
Api tech.	18B-03 / Attenuator (3 dB)	06/07/2018	Annual	2
WEINSCHL	56-10 / Attenuator(10 dB)	10/10/2018	Annual	72316
CERNEX	CBLU1183540 / Broadband Low Noise Amplifier	01/03/2018	Annual	24613
CERNEX	CBL06185030 / Broadband Low Noise Amplifier	01/03/2018	Annual	24615
CERNEX	CBL18265035 / Power Amplifier	01/10/2018	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	06/29/2018	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/27/2018	Annual	3000C000276

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

12. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-1902-FC001-P
2	HCT-RF-1902-FC002-P
3	HCT-RF-1902-FC003-P
4	HCT-RF-1902-FC004-P