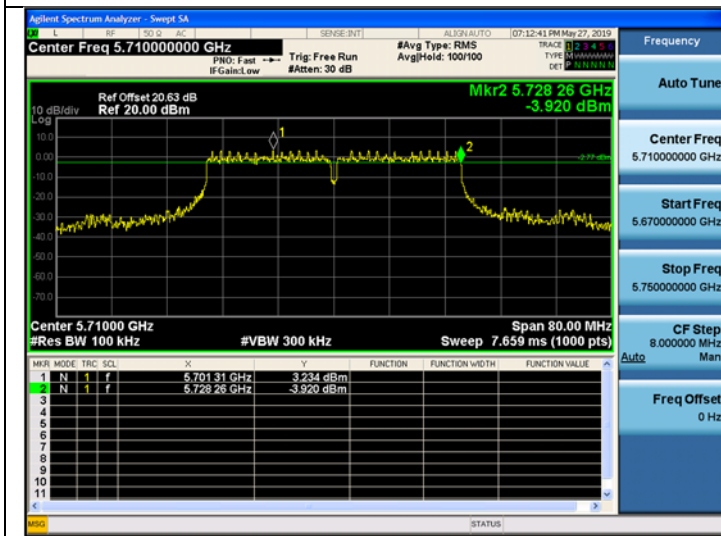
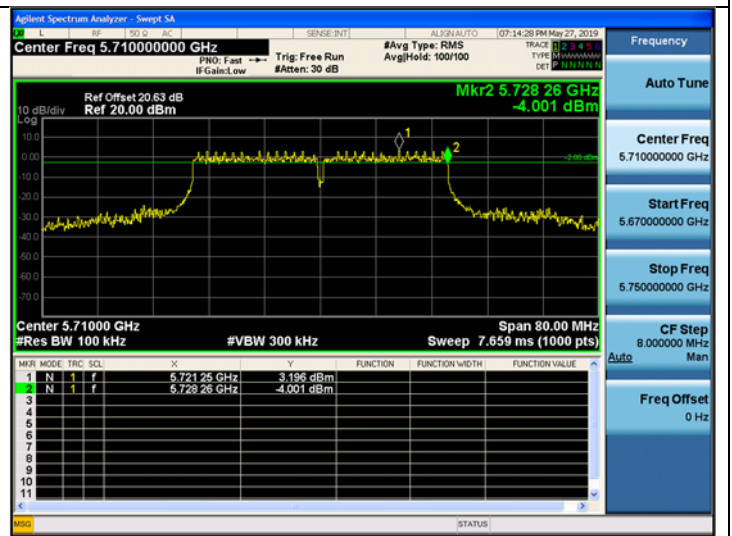


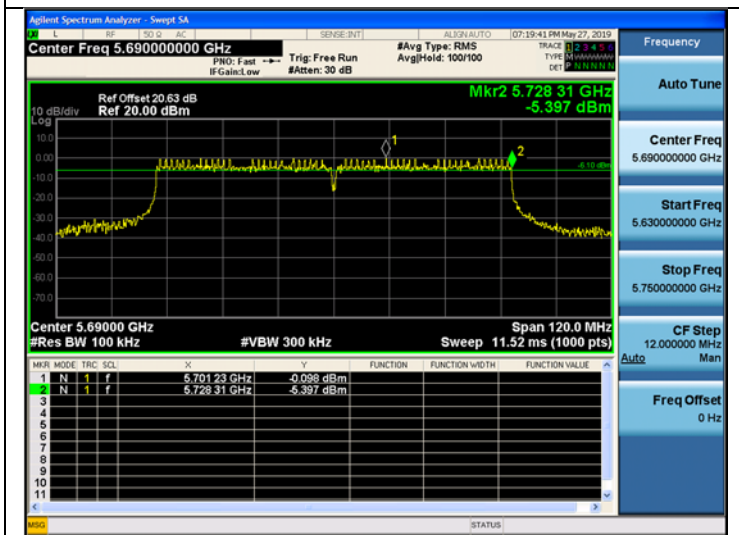
802.11n_HT40 CH.142



802.11ac_VHT40 CH.142



802.11ac_VHT80 CH.138



10.7.3 Output Power

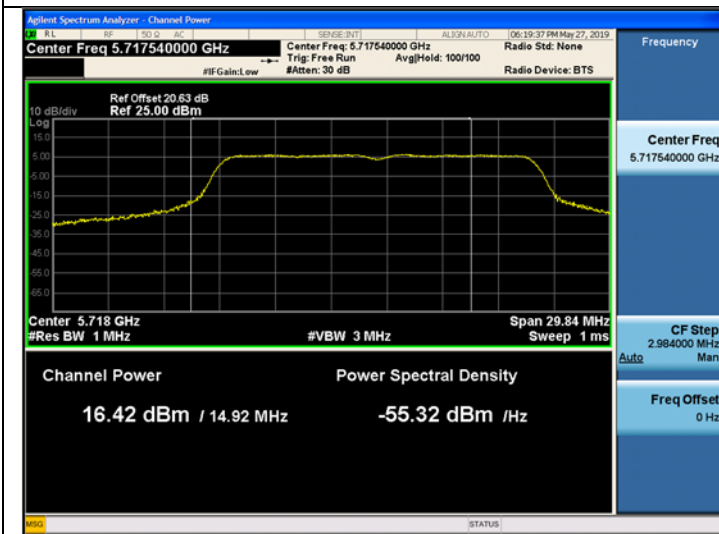
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	16.42	0.719	17.14	22.74
802.11n(HT20)			16.33	0.719	17.05	22.93
802.11ac(VHT20)			15.57	0.829	16.40	22.81
802.11a	5720 (UNII 3 Band)	144	10.51	0.719	11.23	30.00
802.11n(HT20)			10.85	0.719	11.57	30.00
802.11ac(VHT20)			10.16	0.829	10.99	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	15.70	0.966	16.67	23.98
802.11ac(VHT40)			15.45	1.216	16.67	23.98
802.11n(HT40)	5710 (UNII 3 Band)	142	6.16	0.966	7.13	30.00
802.11ac(VHT40)			5.92	1.216	7.14	30.00

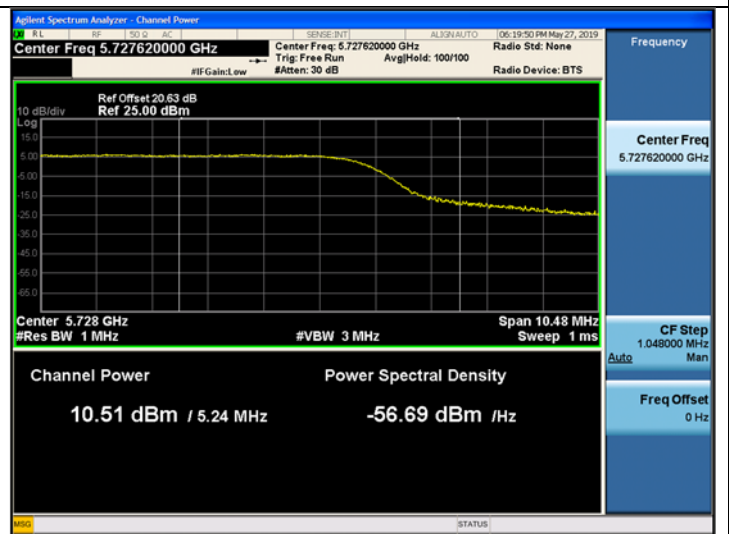
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	14.16	1.933	16.09	23.98
	5690 (UNII 3 Band)	138	2.03	1.933	3.96	30.00

Test Plots

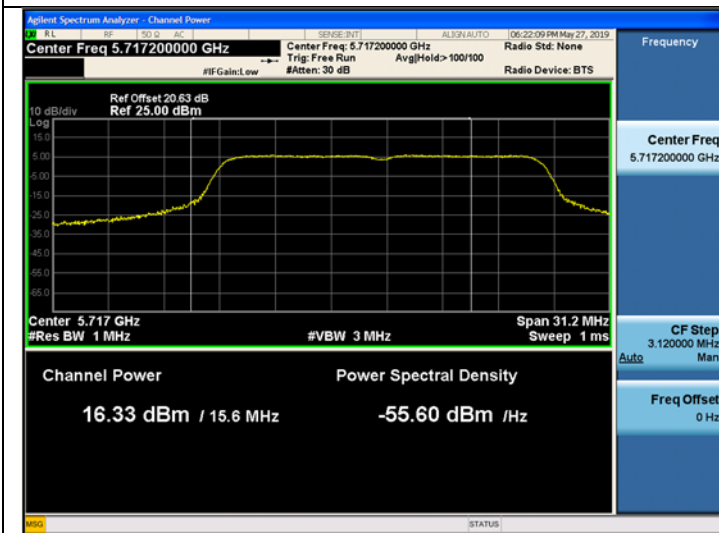
802.11a UNII 2C Band



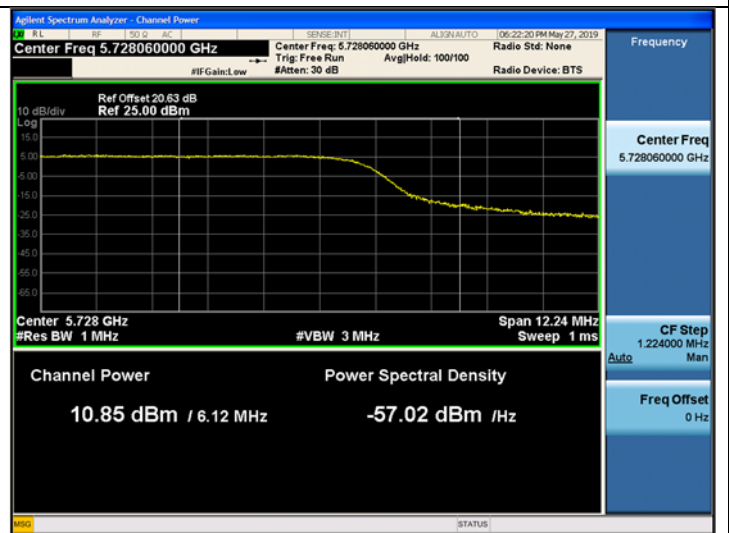
802.11a UNII 3 Band



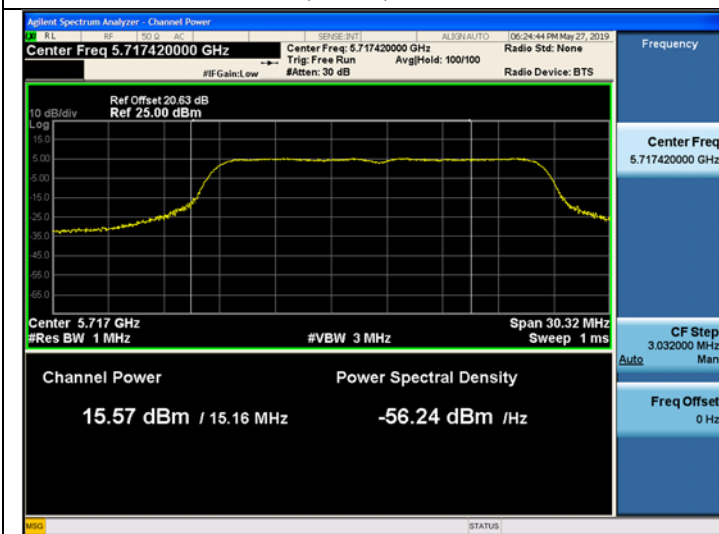
802.11n(HT20) UNII 2C Band



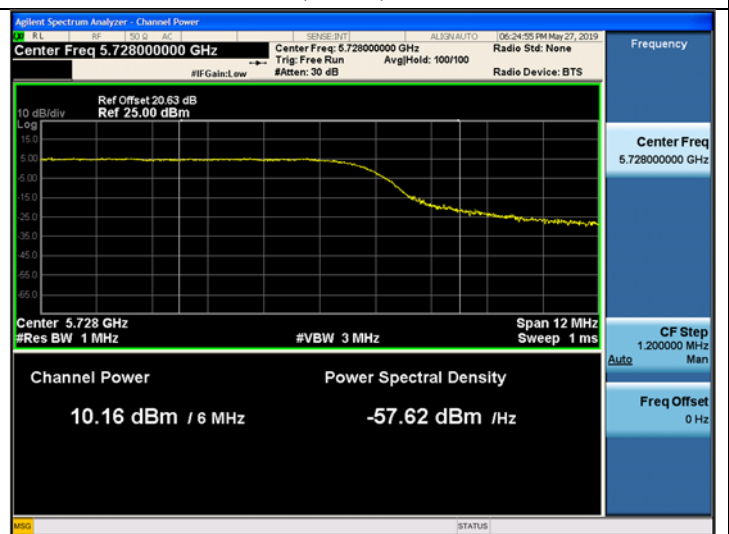
802.11n(HT20) UNII 3 Band



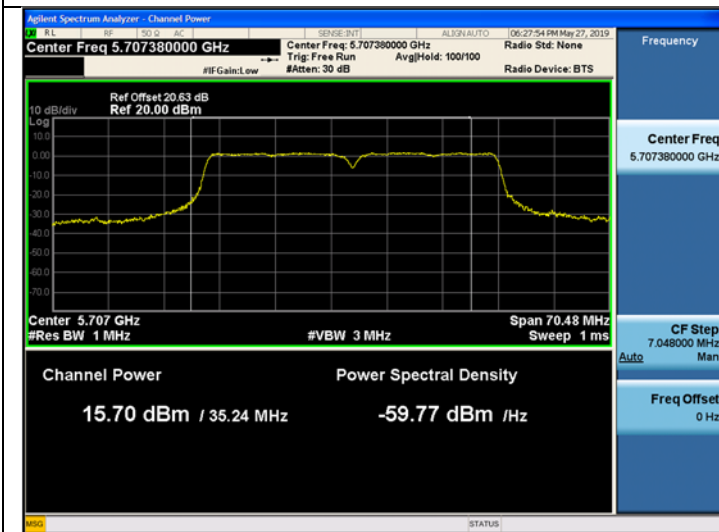
802.11ac(VHT20) UNII 2C Band



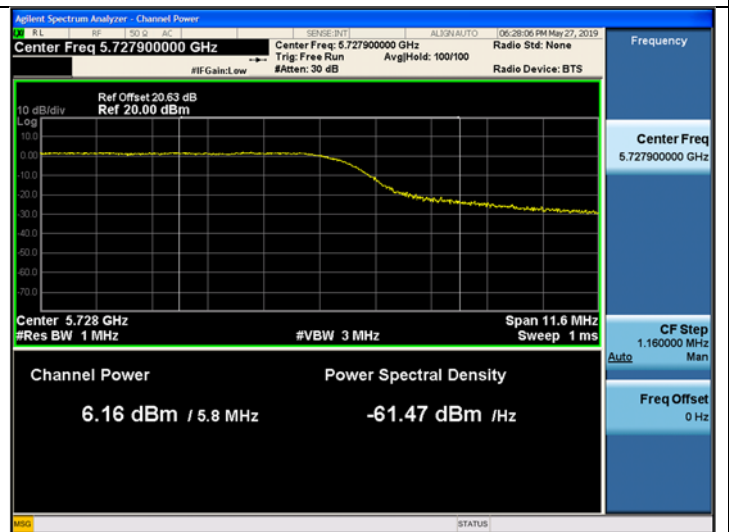
802.11ac(VHT20) UNII 3 Band



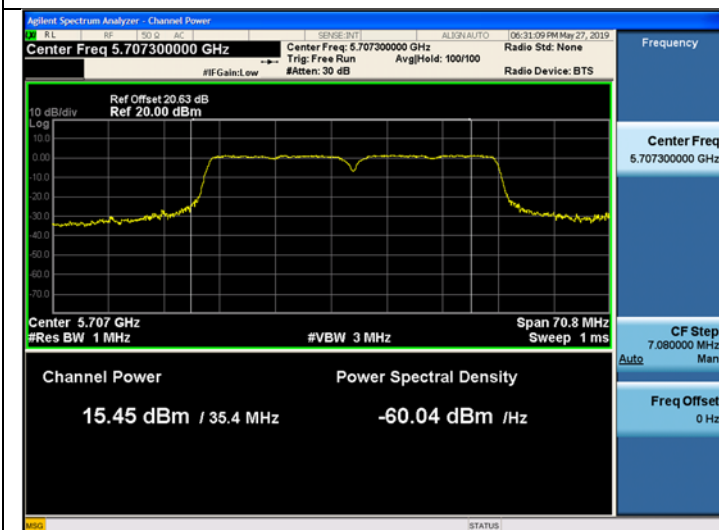
802.11n(HT40) UNII 2C Band



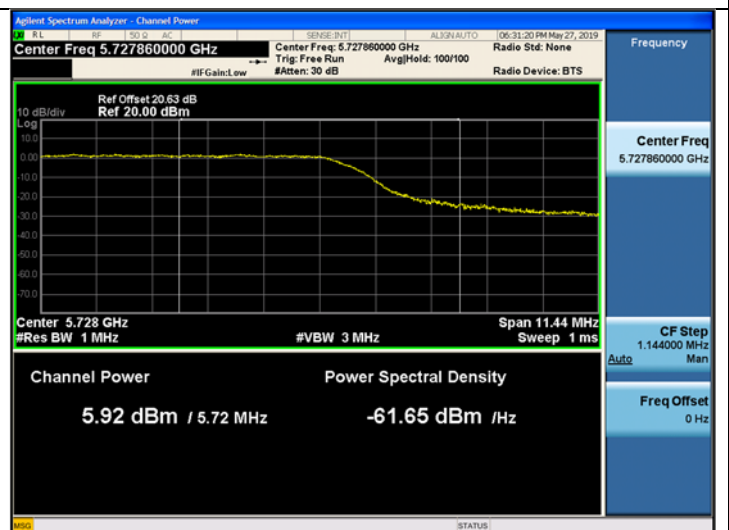
802.11n(HT40) UNII 3 Band



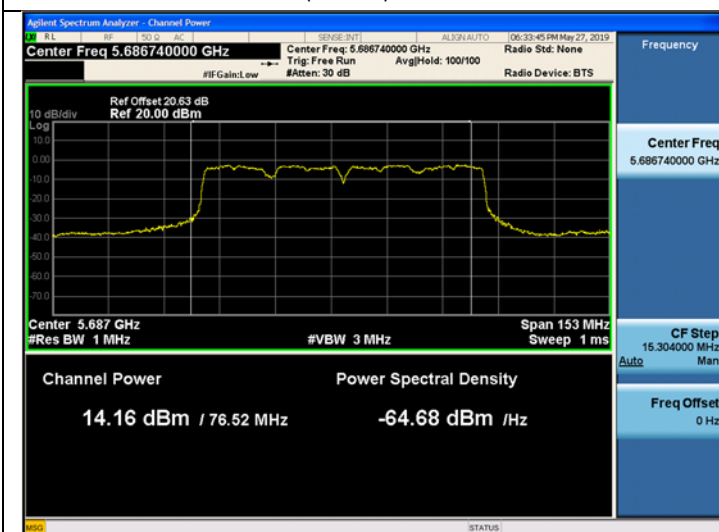
802.11ac(VHT40) UNII 2C Band



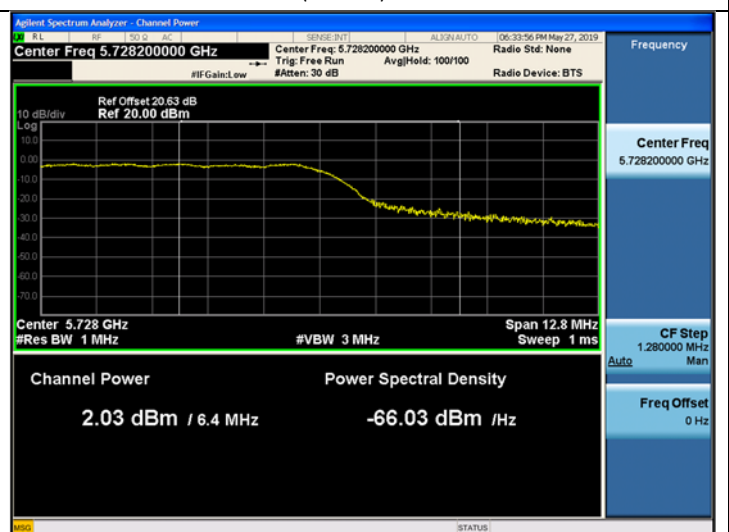
802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



10.7.4 Power Spectral Density

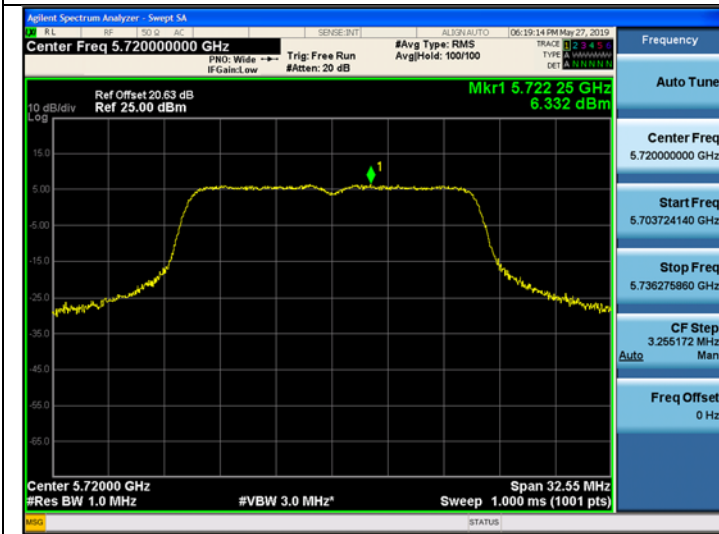
Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	6.332	0.719	7.051	11.00
802.11n(HT20)			6.008	0.719	6.727	11.00
802.11ac(VHT20)			5.160	0.829	5.989	11.00
802.11a	5720 (UNII 3 Band)	144	3.409	0.719	4.128	30.00
802.11n(HT20)			3.135	0.719	3.854	30.00
802.11ac(VHT20)			2.503	0.829	3.332	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	1.761	0.966	2.727	11.00
802.11ac(VHT40)			1.719	1.216	2.935	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-1.027	0.966	-0.061	30.00
802.11ac(VHT40)			-0.923	1.216	0.293	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-2.310	1.933	-0.377	11.00
	5690 (UNII 3 Band)	138	-5.172	1.933	-3.239	30.00

Test Plots

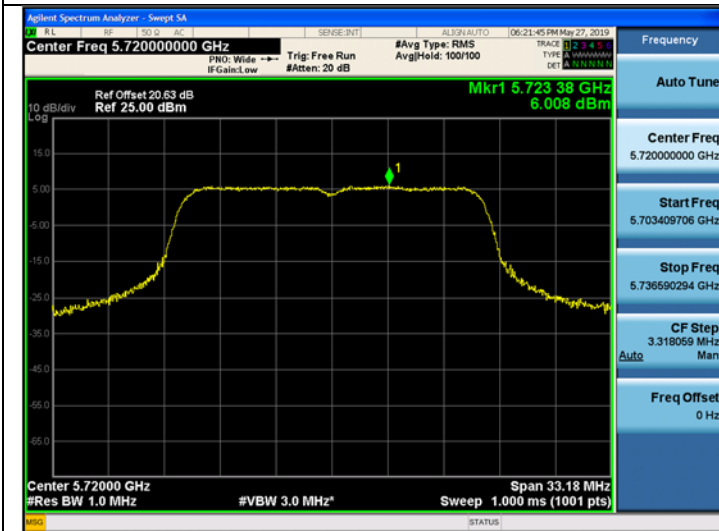
802.11a UNII 2C Band



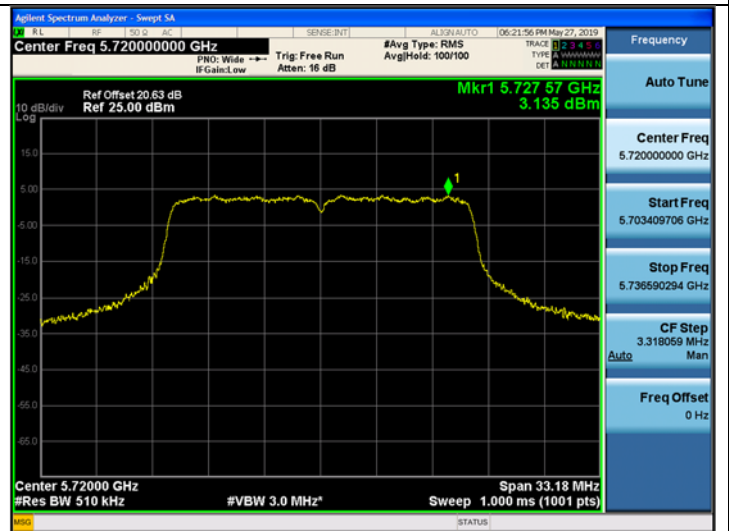
802.11a UNII 3 Band



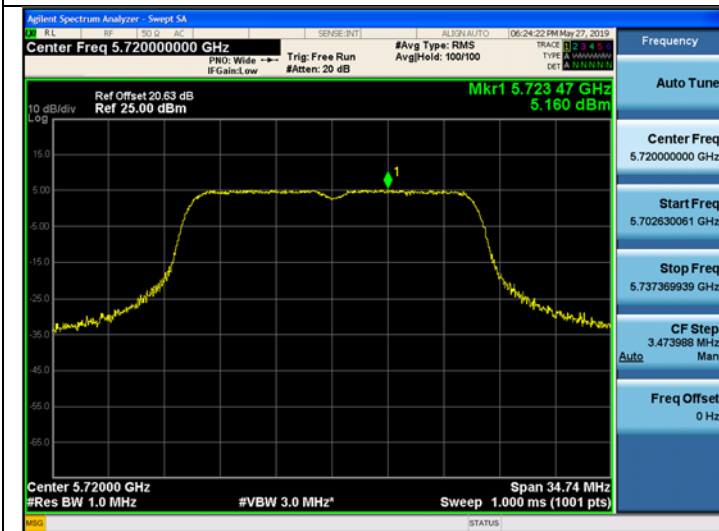
802.11n(HT20) UNII 2C Band



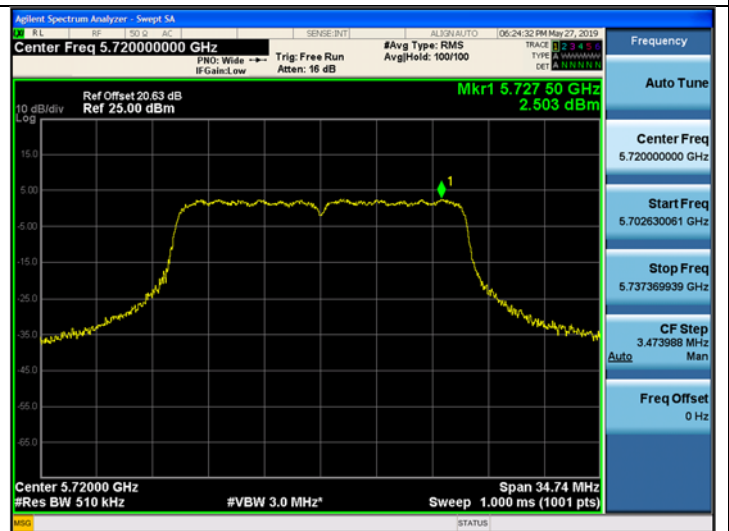
802.11n(HT20) UNII 3 Band



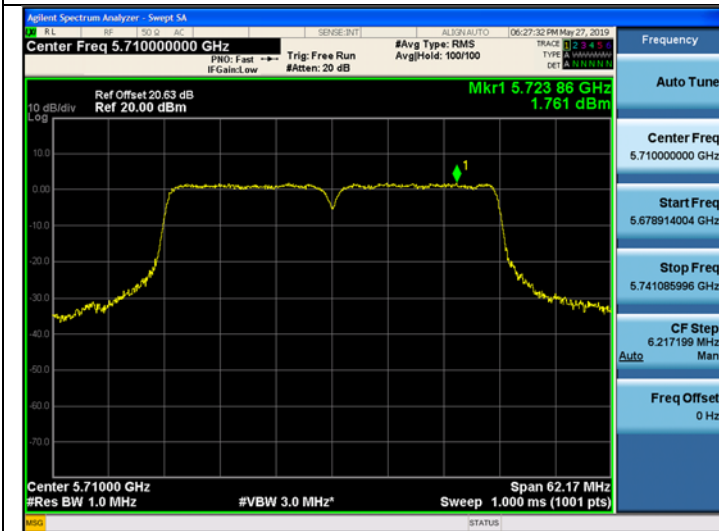
802.11ac(VHT20) UNII 2C Band



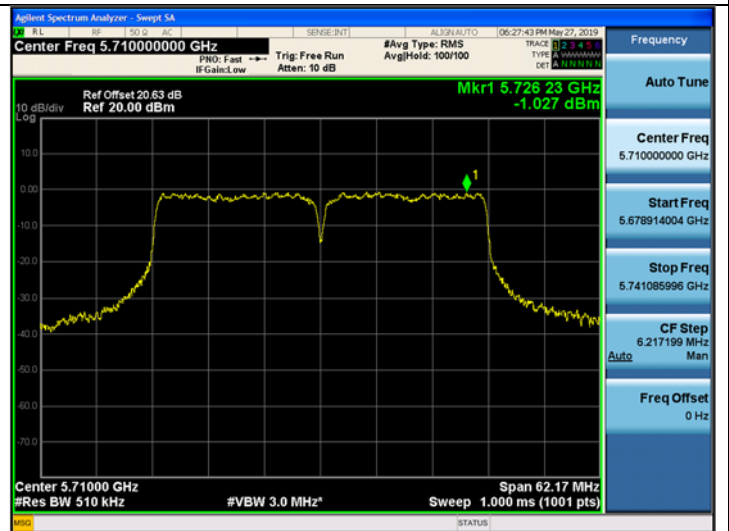
802.11ac(VHT20) UNII 3 Band



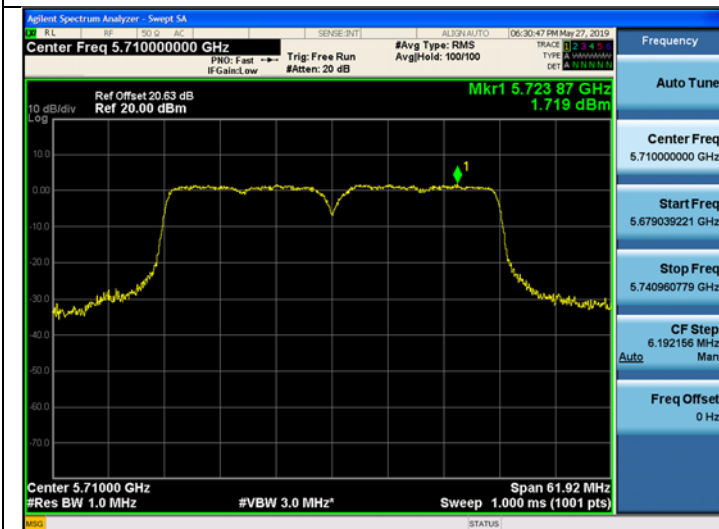
802.11n(HT40) UNII 2C Band



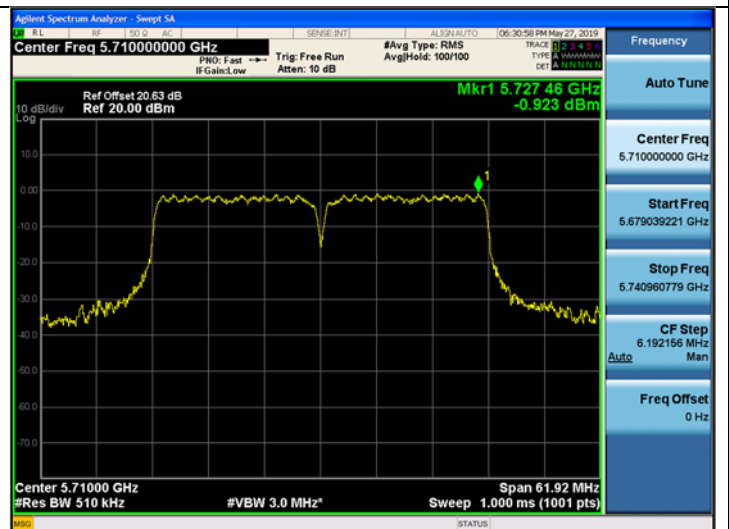
802.11n(HT40) UNII 3 Band



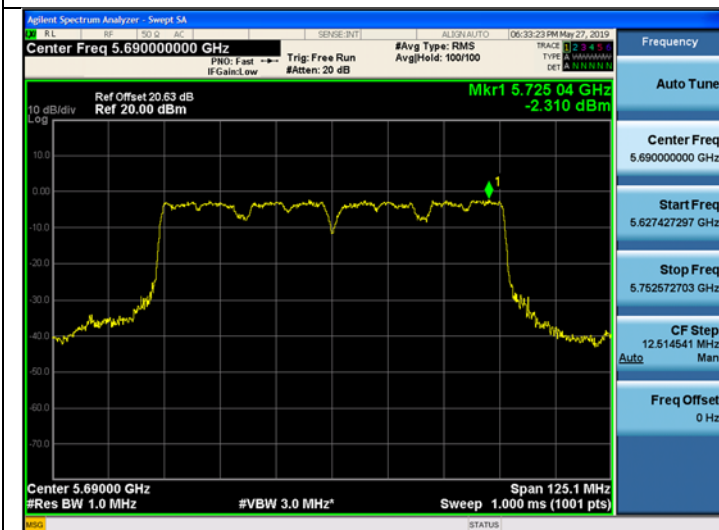
802.11ac(VHT40) UNII 2C Band



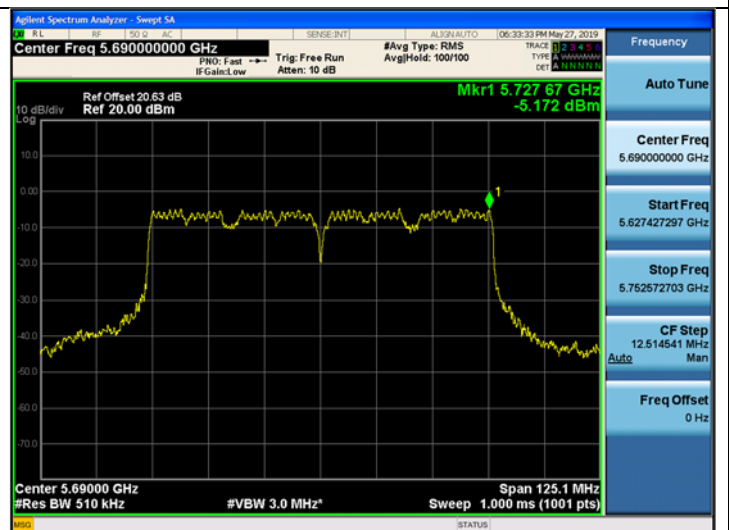
802.11ac(VHT40) UNII 3 Band



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

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	57.54	6.89	V	64.43	68.20	3.77	PK
15540	48.27	12.57	V	60.84	73.98	13.14	PK
15540	33.39	12.57	V	45.96	53.98	8.02	AV
10360	56.17	6.89	H	63.06	68.20	5.14	PK
15540	46.11	12.57	H	58.68	73.98	15.30	PK
15540	32.51	12.57	H	45.08	53.98	8.90	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	57.02	6.94	V	63.96	68.20	4.24	PK
15600	43.51	11.47	V	54.98	73.98	19.00	PK
15600	30.47	11.47	V	41.94	53.98	12.04	AV
10400	54.77	6.94	H	61.71	68.20	6.49	PK
15600	42.65	11.47	H	54.12	73.98	19.86	PK
15600	30.12	11.47	H	41.59	53.98	12.39	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	52.52	7.65	V	60.17	68.20	8.03	PK
15720	46.22	11.66	V	57.88	73.98	16.10	PK
15720	30.92	11.66	V	42.58	53.98	11.40	AV
10480	51.51	7.65	H	59.16	68.20	9.04	PK
15720	45.37	11.66	H	57.03	73.98	16.95	PK
15720	30.21	11.66	H	41.87	53.98	12.11	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	51.07	6.89	V	57.96	68.20	10.24	PK
15540	45.16	12.57	V	57.73	73.98	16.25	PK
15540	31.26	12.57	V	43.83	53.98	10.15	AV
10360	50.47	6.89	H	57.36	68.20	10.84	PK
15540	44.81	12.57	H	57.38	73.98	16.60	PK
15540	30.22	12.57	H	42.79	53.98	11.19	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	49.85	6.94	V	56.79	68.20	11.41	PK
15600	43.93	11.47	V	55.40	73.98	18.58	PK
15600	30.77	11.47	V	42.24	53.98	11.74	AV
10400	48.35	6.94	H	55.29	68.20	12.91	PK
15600	42.85	11.47	H	54.32	73.98	19.66	PK
15600	30.54	11.47	H	42.01	53.98	11.97	AV

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	46.17	7.65	V	53.82	68.20	14.38	PK
15720	43.29	11.66	V	54.95	73.98	19.03	PK
15720	30.11	11.66	V	41.77	53.98	12.21	AV
10480	45.20	7.65	H	52.85	68.20	15.35	PK
15720	42.81	11.66	H	54.47	73.98	19.51	PK
15720	30.01	11.66	H	41.67	53.98	12.31	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	49.21	6.89	V	56.10	68.20	12.10	PK
15540	45.79	12.57	V	58.36	73.98	15.62	PK
15540	31.92	12.57	V	44.49	53.98	9.49	AV
10360	48.15	6.89	H	55.04	68.20	13.16	PK
15540	44.71	12.57	H	57.28	73.98	16.70	PK
15540	31.85	12.57	H	44.42	53.98	9.56	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	52.21	6.94	V	59.15	68.20	9.05	PK
15600	45.60	11.47	V	57.07	73.98	16.91	PK
15600	31.57	11.47	V	43.04	53.98	10.94	AV
10400	51.24	6.94	H	58.18	68.20	10.02	PK
15600	44.91	11.47	H	56.38	73.98	17.60	PK
15600	30.92	11.47	H	42.39	53.98	11.59	AV

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	50.99	7.65	V	58.64	68.20	9.56	PK
15720	43.42	11.66	V	55.08	73.98	18.90	PK
15720	29.81	11.66	V	41.47	53.98	12.51	AV
10480	49.62	7.65	H	57.27	68.20	10.93	PK
15720	42.61	11.66	H	54.27	73.98	19.71	PK
15720	29.73	11.66	H	41.39	53.98	12.59	AV

Band : UNII 1

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: MCS0

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	48.56	6.54	V	55.10	68.20	13.10	PK
15570	44.17	11.95	V	56.12	73.98	17.86	PK
15570	31.93	11.95	V	43.88	53.98	10.10	AV
10380	47.28	6.54	H	53.82	68.20	14.38	PK
15570	43.51	11.95	H	55.46	73.98	18.52	PK
15570	30.82	11.95	H	42.77	53.98	11.21	AV

Band : UNII 1

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: MCS0

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	48.66	7.97	V	56.63	68.20	11.57	PK
15690	43.33	12.00	V	55.33	73.98	18.65	PK
15690	30.84	12.00	V	42.84	53.98	11.14	AV
10460	47.97	7.97	H	55.94	68.20	12.26	PK
15690	42.81	12.00	H	54.81	73.98	19.17	PK
15690	30.61	12.00	H	42.61	53.98	11.37	AV

Band : UNII 1

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

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	48.60	6.54	V	55.14	68.20	13.06	PK
15570	44.04	11.95	V	55.99	73.98	17.99	PK
15570	31.35	11.95	V	43.30	53.98	10.68	AV
10380	47.69	6.54	H	54.23	68.20	13.97	PK
15570	43.39	11.95	H	55.34	73.98	18.64	PK
15570	31.15	11.95	H	43.10	53.98	10.88	AV

Band : UNII 1

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

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	48.51	7.97	V	56.48	68.20	11.72	PK
15690	43.36	12.00	V	55.36	73.98	18.62	PK
15690	30.83	12.00	V	42.83	53.98	11.15	AV
10460	47.30	7.97	H	55.27	68.20	12.93	PK
15690	42.60	12.00	H	54.60	73.98	19.38	PK
15690	30.05	12.00	H	42.05	53.98	11.93	AV

Band : UNII 1

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

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	45.95	7.88	V	53.83	68.20	14.37	PK
15630	44.62	12.05	V	56.67	73.98	17.31	PK
15630	32.21	12.05	V	44.26	53.98	9.72	AV
10420	44.82	7.88	H	52.70	68.20	15.50	PK
15630	42.81	12.05	H	54.86	73.98	19.12	PK
15630	31.18	12.05	H	43.23	53.98	10.75	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	53.10	8.33	V	61.43	68.20	6.77	PK
15780	44.63	12.21	V	56.84	73.98	17.14	PK
15780	30.50	12.21	V	42.71	53.98	11.27	AV
10520	51.93	8.33	H	60.26	68.20	7.94	PK
15780	47.32	12.21	H	59.53	73.98	14.45	PK
15780	30.64	12.21	H	42.85	53.98	11.13	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	51.99	8.85	V	60.84	73.98	13.14	PK
10600	36.89	8.85	V	45.74	53.98	8.24	AV
15900	45.51	11.90	V	57.41	73.98	16.57	PK
15900	31.20	11.90	V	43.10	53.98	10.88	AV
10600	51.26	8.85	H	60.11	73.98	13.87	PK
10600	35.83	8.85	H	44.68	53.98	9.30	AV
15900	43.63	11.90	H	55.53	73.98	18.45	PK
15900	30.91	11.90	H	42.81	53.98	11.17	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]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	50.50	9.25	V	59.75	73.98	14.23	PK
10640	35.51	9.25	V	44.76	53.98	9.22	AV
15960	43.54	10.55	V	54.09	73.98	19.89	PK
15960	29.77	10.55	V	40.32	53.98	13.66	AV
10640	50.47	9.25	H	59.72	73.98	14.26	PK
10640	35.24	9.25	H	44.49	53.98	9.49	AV
15960	43.03	10.55	H	53.58	73.98	20.40	PK
15960	29.56	10.55	H	40.11	53.98	13.87	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	53.98	8.33	V	62.31	68.20	5.89	PK
15780	42.85	12.21	V	55.06	73.98	18.92	PK
15780	28.90	12.21	V	41.11	53.98	12.87	AV
10520	51.89	8.33	H	60.22	68.20	7.98	PK
15780	42.37	12.21	H	54.58	73.98	19.40	PK
15780	28.16	12.21	H	40.37	53.98	13.61	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	52.26	8.85	V	61.11	73.98	12.87	PK
10600	36.27	8.85	V	45.12	53.98	8.86	AV
15900	43.38	11.90	V	55.28	73.98	18.70	PK
15900	29.94	11.90	V	41.84	53.98	12.14	AV
10600	51.79	8.85	H	60.64	73.98	13.34	PK
10600	35.89	8.85	H	44.74	53.98	9.24	AV
15900	42.58	11.90	H	54.48	73.98	19.50	PK
15900	29.74	11.90	H	41.64	53.98	12.34	AV

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	51.13	9.25	V	60.38	73.98	13.60	PK
10640	35.07	9.25	V	44.32	53.98	9.66	AV
15960	43.42	10.55	V	53.97	73.98	20.01	PK
15960	29.81	10.55	V	40.36	53.98	13.62	AV
10640	50.82	9.25	H	60.07	73.98	13.91	PK
10640	34.47	9.25	H	43.72	53.98	10.26	AV
15960	42.27	10.55	H	52.82	73.98	21.16	PK
15960	29.69	10.55	H	40.24	53.98	13.74	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	51.29	8.33	V	59.62	68.20	8.58	PK
15780	42.84	12.21	V	55.05	73.98	18.93	PK
15780	28.83	12.21	V	41.04	53.98	12.94	AV
10520	50.46	8.33	H	58.79	68.20	9.41	PK
15780	42.31	12.21	H	54.52	73.98	19.46	PK
15780	28.79	12.21	H	41.00	53.98	12.98	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	50.64	8.85	V	59.49	73.98	14.49	PK
10600	37.72	8.85	V	46.57	53.98	7.41	AV
15900	43.33	11.90	V	55.23	73.98	18.75	PK
15900	29.79	11.90	V	41.69	53.98	12.29	AV
10600	49.25	8.85	H	58.10	73.98	15.88	PK
10600	33.56	8.85	H	42.41	53.98	11.57	AV
15900	42.82	11.90	H	54.72	73.98	19.26	PK
15900	29.71	11.90	H	41.61	53.98	12.37	AV

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	48.23	9.25	V	57.48	73.98	16.50	PK
10640	33.25	9.25	V	42.50	53.98	11.48	AV
15960	43.23	10.55	V	53.78	73.98	20.20	PK
15960	29.85	10.55	V	40.40	53.98	13.58	AV
10640	47.32	9.25	H	56.57	73.98	17.41	PK
10640	32.81	9.25	H	42.06	53.98	11.92	AV
15960	42.03	10.55	H	52.58	73.98	21.40	PK
15960	29.76	10.55	H	40.31	53.98	13.67	AV

Band : UNII 2A

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: MCS0

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	50.26	8.71	V	58.97	68.20	9.23	PK
15810	42.01	11.51	V	53.52	73.98	20.46	PK
15810	30.44	11.51	V	41.95	53.98	12.03	AV
10540	49.63	8.71	H	58.34	68.20	9.86	PK
15810	41.77	11.51	H	53.28	73.98	20.70	PK
15810	30.01	11.51	H	41.52	53.98	12.46	AV

Band : UNII 2A

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: MCS0

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	45.40	8.62	V	54.02	73.98	19.96	PK
10620	32.84	8.62	V	41.46	53.98	12.52	AV
15930	43.47	10.63	V	54.10	73.98	19.88	PK
15930	30.36	10.63	V	40.99	53.98	12.99	AV
10620	44.46	8.62	H	53.08	73.98	20.90	PK
10620	31.71	8.62	H	40.33	53.98	13.65	AV
15930	42.81	10.63	H	53.44	73.98	20.54	PK
15930	30.28	10.63	H	40.91	53.98	13.07	AV

Band : UNII 2A

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

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	50.96	8.71	V	59.67	68.20	8.53	PK
15810	41.98	11.51	V	53.49	73.98	20.49	PK
15810	29.44	11.51	V	40.95	53.98	13.03	AV
10540	49.44	8.71	H	58.15	68.20	10.05	PK
15810	40.68	11.51	H	52.19	73.98	21.79	PK
15810	29.18	11.51	H	40.69	53.98	13.29	AV

Band : UNII 2A

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

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	45.27	8.62	V	53.89	73.98	20.09	PK
10620	32.93	8.62	V	41.55	53.98	12.43	AV
15930	43.70	10.63	V	54.33	73.98	19.65	PK
15930	30.44	10.63	V	41.07	53.98	12.91	AV
10620	44.15	8.62	H	52.77	73.98	21.21	PK
10620	31.62	8.62	H	40.24	53.98	13.74	AV
15930	43.20	10.63	H	53.83	73.98	20.15	PK
15930	30.05	10.63	H	40.68	53.98	13.30	AV

Band : UNII 2A

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

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	45.08	8.83	V	53.91	68.20	14.29	PK
15870	43.67	11.15	V	54.82	73.98	19.16	PK
15870	31.56	11.15	V	42.71	53.98	11.27	AV
10580	44.30	8.83	H	53.13	68.20	15.07	PK
15870	42.88	11.15	H	54.03	73.98	19.95	PK
15870	30.92	11.15	H	42.07	53.98	11.91	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	51.50	10.23	V	61.73	73.98	12.25	PK
11000	37.09	10.23	V	47.32	53.98	6.66	AV
16500	47.60	11.62	V	59.22	68.20	8.98	PK
11000	49.82	10.23	H	60.05	73.98	13.93	PK
11000	36.12	10.23	H	46.35	53.98	7.63	AV
16500	45.20	11.62	H	56.82	68.20	11.38	PK

Band : UNII 2C

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5600 MHz

Channel No. 120 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
11200	48.49	9.94	V	58.43	73.98	15.55	PK
11200	35.60	9.94	V	45.54	53.98	8.44	AV
16800	44.68	10.84	V	55.52	68.20	12.68	PK
11200	47.45	9.94	H	57.39	73.98	16.59	PK
11200	35.22	9.94	H	45.16	53.98	8.82	AV
16800	43.88	10.84	H	54.72	68.20	13.48	PK

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	47.25	9.39	V	56.64	73.98	17.34	PK
11440	33.16	9.39	V	42.55	53.98	11.43	AV
17160	43.15	12.91	V	56.06	68.20	12.14	PK
11440	45.32	9.39	H	54.71	73.98	19.27	PK
11440	33.02	9.39	H	42.41	53.98	11.57	AV
17160	42.88	12.91	H	55.79	68.20	12.41	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	51.85	10.23	V	62.08	73.98	11.90	PK
11000	36.02	10.23	V	46.25	53.98	7.73	AV
16500	44.55	11.62	V	56.17	68.20	12.03	PK
11000	50.71	10.23	H	60.94	73.98	13.04	PK
11000	34.35	10.23	H	44.58	53.98	9.40	AV
16500	43.29	11.62	H	54.91	68.20	13.29	PK

Band : UNII 2C

Operation Mode: 802.11 n(HT20)

Transfer MCS Index: MCS0

Operating Frequency 5600 MHz

Channel No. 120 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
11200	46.84	9.94	V	56.78	73.98	17.20	PK
11200	32.81	9.94	V	42.75	53.98	11.23	AV
16800	44.15	10.84	V	54.99	68.20	13.21	PK
11200	45.99	9.94	H	55.93	73.98	18.05	PK
11200	32.02	9.94	H	41.96	53.98	12.02	AV
16800	43.51	10.84	H	54.35	68.20	13.85	PK

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	46.41	9.39	V	55.80	73.98	18.18	PK
11440	32.78	9.39	V	42.17	53.98	11.81	AV
17160	44.33	12.91	V	57.24	68.20	10.96	PK
11440	45.10	9.39	H	54.49	73.98	19.49	PK
11440	32.68	9.39	H	42.07	53.98	11.91	AV
17160	43.56	12.91	H	56.47	68.20	11.73	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	49.61	10.23	V	59.84	73.98	14.14	PK
11000	34.99	10.23	V	45.22	53.98	8.76	AV
16500	43.98	11.62	V	55.60	68.20	12.60	PK
11000	48.32	10.23	H	58.55	73.98	15.43	PK
11000	33.92	10.23	H	44.15	53.98	9.83	AV
16500	42.81	11.62	H	54.43	68.20	13.77	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT20)

Transfer MCS Index: MCS0

Operating Frequency 5600 MHz

Channel No. 120 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
11200	47.34	9.94	V	57.28	73.98	16.70	PK
11200	34.21	9.94	V	44.15	53.98	9.83	AV
16800	43.62	10.84	V	54.46	68.20	13.74	PK
11200	46.81	9.94	H	56.75	73.98	17.23	PK
11200	33.25	9.94	H	43.19	53.98	10.79	AV
16800	42.11	10.84	H	52.95	68.20	15.25	PK

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	46.81	9.39	V	56.20	73.98	17.78	PK
11440	32.27	9.39	V	41.66	53.98	12.32	AV
17160	44.50	12.91	V	57.41	68.20	10.79	PK
11440	45.14	9.39	H	54.53	73.98	19.45	PK
11440	32.14	9.39	H	41.53	53.98	12.45	AV
17160	43.22	12.91	H	56.13	68.20	12.07	PK

Band : UNII 2C

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: MCS0

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	47.91	9.89	V	57.80	73.98	16.18	PK
11020	35.24	9.89	V	45.13	53.98	8.85	AV
16530	44.33	11.59	V	55.92	68.20	12.28	PK
11020	46.92	9.89	H	56.81	73.98	17.17	PK
11020	35.02	9.89	H	44.91	53.98	9.07	AV
16530	43.62	11.59	H	55.21	68.20	12.99	PK

Band : UNII 2C

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: MCS0

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	45.50	9.67	V	55.17	73.98	18.81	PK
11180	33.54	9.67	V	43.21	53.98	10.77	AV
16770	44.21	11.53	V	55.74	68.20	12.46	PK
11180	44.92	9.67	H	54.59	73.98	19.39	PK
11180	33.06	9.67	H	42.73	53.98	11.25	AV
16770	43.51	11.53	H	55.04	68.20	13.16	PK

Band : UNII 2C

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: MCS0

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	43.98	9.18	V	53.16	73.98	20.82	PK
11420	31.43	9.18	V	40.61	53.98	13.37	AV
17130	43.96	13.20	V	57.16	68.20	11.04	PK
11420	42.88	9.18	H	52.06	73.98	21.92	PK
11420	31.21	9.18	H	40.39	53.98	13.59	AV
17130	42.09	13.20	H	55.29	68.20	12.91	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

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	48.25	9.89	V	58.14	73.98	15.84	PK
11020	35.60	9.89	V	45.49	53.98	8.49	AV
16530	44.41	11.59	V	56.00	68.20	12.20	PK
11020	47.67	9.89	H	57.56	73.98	16.42	PK
11020	35.26	9.89	H	45.15	53.98	8.83	AV
16530	44.02	11.59	H	55.61	68.20	12.59	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

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	45.64	9.67	V	55.31	73.98	18.67	PK
11180	33.76	9.67	V	43.43	53.98	10.55	AV
16770	44.57	11.53	V	56.10	68.20	12.10	PK
11180	44.81	9.67	H	54.48	73.98	19.50	PK
11180	32.31	9.67	H	41.98	53.98	12.00	AV
16770	43.61	11.53	H	55.14	68.20	13.06	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

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	44.29	9.18	V	53.47	73.98	20.51	PK
11420	31.31	9.18	V	40.49	53.98	13.49	AV
17130	43.67	13.20	V	56.87	68.20	11.33	PK
11420	43.26	9.18	H	52.44	73.98	21.54	PK
11420	30.28	9.18	H	39.46	53.98	14.52	AV
17130	42.51	13.20	H	55.71	68.20	12.49	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

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	43.96	9.83	V	53.79	73.98	20.19	PK
11060	31.37	9.83	V	41.20	53.98	12.78	AV
16590	44.08	11.80	V	55.88	68.20	12.32	PK
11060	42.86	9.83	H	52.69	73.98	21.29	PK
11060	31.11	9.83	H	40.94	53.98	13.04	AV
16590	43.54	11.80	H	55.34	68.20	12.86	PK

Band : UNII 2C
 Operation Mode: 802.11 ac(VHT80)
 Transfer MCS Index: MCS0
 Operating Frequency 5690 MHz
 Channel No. 122 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
11220	44.98	10.49	V	55.47	73.98	18.51	PK
11220	33.21	10.49	V	43.70	53.98	10.28	AV
16830	44.36	11.14	V	55.50	68.20	12.70	PK
11220	43.18	10.49	H	53.67	73.98	20.31	PK
11220	32.12	10.49	H	42.61	53.98	11.37	AV
16830	43.67	11.14	H	54.81	68.20	13.39	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	46.04	9.31	V	55.35	73.98	18.63	PK
11490	32.49	9.31	V	41.80	53.98	12.18	AV
17235	45.58	14.49	V	60.07	68.20	8.13	PK
11490	44.39	9.31	H	53.70	73.98	20.28	PK
11490	31.27	9.31	H	40.58	53.98	13.40	AV
17235	44.92	14.49	H	59.41	68.20	8.79	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	44.59	9.38	V	53.97	73.98	20.01	PK
11570	30.69	9.38	V	40.07	53.98	13.91	AV
17355	46.29	15.74	V	62.03	68.20	6.17	PK
11570	42.64	9.38	H	52.02	73.98	21.96	PK
11570	30.08	9.38	H	39.46	53.98	14.52	AV
17355	45.01	15.74	H	60.75	68.20	7.45	PK

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	45.56	8.33	V	53.89	73.98	20.09	PK
11650	31.11	8.33	V	39.44	53.98	14.54	AV
17475	47.58	16.79	V	64.37	68.20	3.83	PK
11650	44.81	8.33	H	53.14	73.98	20.84	PK
11650	30.80	8.33	H	39.13	53.98	14.85	AV
17475	46.78	16.79	H	63.57	68.20	4.63	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	43.27	9.31	V	52.58	73.98	21.40	PK
11490	30.62	9.31	V	39.93	53.98	14.05	AV
17235	45.00	14.49	V	59.49	68.20	8.71	PK
11490	42.57	9.31	H	51.88	73.98	22.10	PK
11490	30.47	9.31	H	39.78	53.98	14.20	AV
17235	44.89	14.49	H	59.38	68.20	8.82	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	44.27	9.38	V	53.65	73.98	20.33	PK
11570	30.73	9.38	V	40.11	53.98	13.87	AV
17355	46.55	15.74	V	62.29	68.20	5.91	PK
11570	42.66	9.38	H	52.04	73.98	21.94	PK
11570	30.44	9.38	H	39.82	53.98	14.16	AV
17355	45.30	15.74	H	61.04	68.20	7.16	PK

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	45.25	8.33	V	53.58	73.98	20.40	PK
11650	32.05	8.33	V	40.38	53.98	13.60	AV
17475	46.57	16.79	V	63.36	68.20	4.84	PK
11650	44.68	8.33	H	53.01	73.98	20.97	PK
11650	31.88	8.33	H	40.21	53.98	13.77	AV
17475	46.01	16.79	H	62.80	68.20	5.40	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	43.78	9.31	V	53.09	73.98	20.89	PK
11490	30.53	9.31	V	39.84	53.98	14.14	AV
17235	44.88	14.49	V	59.37	68.20	8.83	PK
11490	42.60	9.31	H	51.91	73.98	22.07	PK
11490	30.28	9.31	H	39.59	53.98	14.39	AV
17235	43.56	14.49	H	58.05	68.20	10.15	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	43.22	9.38	V	52.60	73.98	21.38	PK
11570	30.56	9.38	V	39.94	53.98	14.04	AV
17355	46.50	15.74	V	62.24	68.20	5.96	PK
11570	42.90	9.38	H	52.28	73.98	21.70	PK
11570	30.12	9.38	H	39.50	53.98	14.48	AV
17355	45.34	15.74	H	61.08	68.20	7.12	PK

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	45.19	8.33	V	53.52	73.98	20.46	PK
11650	31.83	8.33	V	40.16	53.98	13.82	AV
17475	46.90	16.79	V	63.69	68.20	4.51	PK
11650	44.70	8.33	H	53.03	73.98	20.95	PK
11650	30.91	8.33	H	39.24	53.98	14.74	AV
17475	45.93	16.79	H	62.72	68.20	5.48	PK

Band : UNII 3

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: MCS0

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	42.77	9.19	V	51.96	73.98	22.02	PK
11510	30.71	9.19	V	39.90	53.98	14.08	AV
17265	44.51	14.32	V	58.83	68.20	9.37	PK
11510	42.42	9.19	H	51.61	73.98	22.37	PK
11510	29.57	9.19	H	38.76	53.98	15.22	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: MCS0

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	42.53	9.46	V	51.99	73.98	21.99	PK
11590	30.55	9.46	V	40.01	53.98	13.97	AV
17385	44.47	15.37	V	59.84	68.20	8.36	PK
11590	41.27	9.46	H	50.73	73.98	23.25	PK
11590	30.19	9.46	H	39.65	53.98	14.33	AV
17385	43.35	15.37	H	58.72	68.20	9.48	PK

Band : UNII 3

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

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	43.13	9.19	V	52.32	73.98	21.66	PK
11510	30.51	9.19	V	39.70	53.98	14.28	AV
17265	43.90	14.32	V	58.22	68.20	9.98	PK
11510	42.88	9.19	H	52.07	73.98	21.91	PK
11510	30.24	9.19	H	39.43	53.98	14.55	AV
17265	42.88	14.32	H	57.20	68.20	11.00	PK

Band : UNII 3

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

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	43.88	9.46	V	53.34	73.98	20.64	PK
11590	31.20	9.46	V	40.66	53.98	13.32	AV
17385	45.21	15.37	V	60.58	68.20	7.62	PK
11590	42.96	9.46	H	52.42	73.98	21.56	PK
11590	30.44	9.46	H	39.90	53.98	14.08	AV
17385	44.69	15.37	H	60.06	68.20	8.14	PK

Band : UNII 3

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

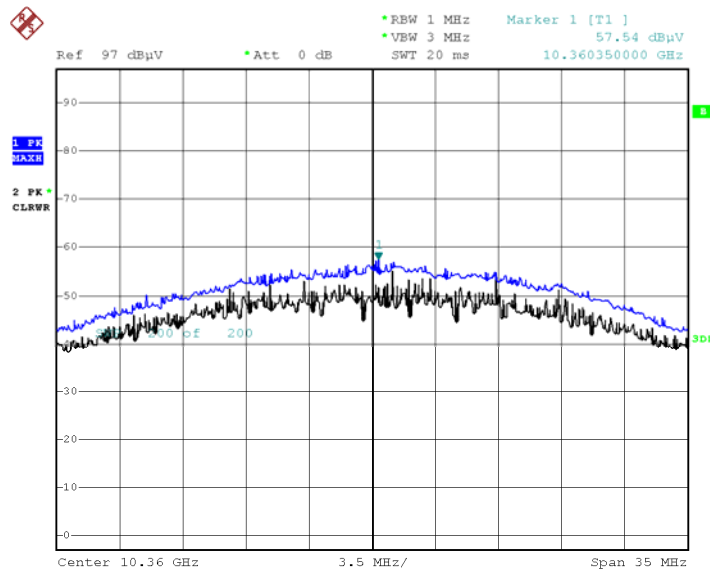
Operating Frequency 5775 MHz

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	42.13	8.90	V	51.03	73.98	22.95	PK
11550	31.30	8.90	V	40.20	53.98	13.78	AV
17325	43.92	15.33	V	59.25	68.20	8.95	PK
11550	41.10	8.90	H	50.00	73.98	23.98	PK
11550	30.60	8.90	H	39.50	53.98	14.48	AV
17325	43.06	15.33	H	58.39	68.20	9.81	PK

Test Plots

Peak Reading (802.11a, Ch.36 2nd Harmonic, X-V)



Date: 27.MAY.2019 08:46:55

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	58.17	5.75	H	63.92	73.98	10.06	PK
5150	43.86	5.75	H	49.61	53.98	4.37	AV
5150	57.11	5.75	V	62.86	73.98	11.12	PK
5150	42.92	5.75	V	48.67	53.98	5.31	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	58.96	5.75	H	64.71	73.98	9.27	PK
5150	44.62	5.75	H	50.37	53.98	3.61	AV
5150	58.11	5.75	V	63.86	73.98	10.12	PK
5150	43.81	5.75	V	49.56	53.98	4.42	AV

Band : UNII 1
 Operation Mode: 802.11 n_HT20
 Transfer MCS Index: 0
 Operating Frequency 5200 MHz
 Channel No. 40 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	54.15	5.75	H	59.90	73.98	14.08	PK
5150	41.14	5.75	H	46.89	53.98	7.09	AV
5150	53.49	5.75	V	59.24	73.98	14.74	PK
5150	41.02	5.75	V	46.77	53.98	7.21	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	56.13	5.75	H	61.88	73.98	12.10	PK
5150	43.15	5.75	H	48.9	53.98	5.08	AV
5150	55.46	5.75	V	61.21	73.98	12.77	PK
5150	42.80	5.75	V	48.55	53.98	5.43	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	56.16	5.75	H	61.91	73.98	12.07	PK
5150	42.97	5.75	H	48.72	53.98	5.26	AV
5150	56.11	5.75	V	61.86	73.98	12.12	PK
5150	41.76	5.75	V	47.51	53.98	6.47	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	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	54.88	5.75	H	60.63	73.98	13.35	PK
5150	42.60	5.75	H	48.35	53.98	5.63	AV
5150	52.68	5.75	V	58.43	73.98	15.55	PK
5150	41.76	5.75	V	47.51	53.98	6.47	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	57.51	5.75	H	63.26	73.98	10.72	PK
5150	43.05	5.75	H	48.8	53.98	5.18	AV
5150	56.46	5.75	V	62.21	73.98	11.77	PK
5150	42.14	5.75	V	47.89	53.98	6.09	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	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	53.71	5.75	H	59.46	73.98	14.52	PK
5150	42.46	5.75	H	48.21	53.98	5.77	AV
5150	52.33	5.75	V	58.08	73.98	15.90	PK
5150	40.72	5.75	V	46.47	53.98	7.51	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	54.95	5.75	H	60.70	73.98	13.28	PK
5150	44.07	5.75	H	49.82	53.98	4.16	AV
5150	53.27	5.75	V	59.02	73.98	14.96	PK
5150	43.72	5.75	V	49.47	53.98	4.51	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	54.77	6.66	H	61.43	73.98	12.55	PK
5350	41.08	6.66	H	47.74	53.98	6.24	AV
5350	53.21	6.66	V	59.87	73.98	14.11	PK
5350	40.55	6.66	V	47.21	53.98	6.77	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	55.32	6.66	H	61.98	73.98	12.00	PK
5350	41.18	6.66	H	47.84	53.98	6.14	AV
5350	54.94	6.66	V	61.6	73.98	12.38	PK
5350	40.83	6.66	V	47.49	53.98	6.49	AV

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	55.70	6.66	H	62.36	73.98	11.62	PK
5350	38.87	6.66	H	45.53	53.98	8.45	AV
5350	55.67	6.66	V	62.33	73.98	11.65	PK
5350	37.37	6.66	V	44.03	53.98	9.95	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	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	54.31	6.66	H	60.97	73.98	13.01	PK
5350	42.18	6.66	H	48.84	53.98	5.14	AV
5350	53.90	6.66	V	60.56	73.98	13.42	PK
5350	41.98	6.66	V	48.64	53.98	5.34	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	55.88	6.66	H	62.54	73.98	11.44	PK
5350	43.42	6.66	H	50.08	53.98	3.90	AV
5350	55.39	6.66	V	62.05	73.98	11.93	PK
5350	43.29	6.66	V	49.95	53.98	4.03	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	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	53.97	6.66	H	60.63	73.98	13.35	PK
5350	42.32	6.66	H	48.98	53.98	5.00	AV
5350	52.85	6.66	V	59.51	73.98	14.47	PK
5350	41.44	6.66	V	48.1	53.98	5.88	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	56.61	6.66	H	63.27	73.98	10.71	PK
5350	43.38	6.66	H	50.04	53.98	3.94	AV
5350	54.67	6.66	V	61.33	73.98	12.65	PK
5350	42.91	6.66	V	49.57	53.98	4.41	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	60.18	6.66	H	66.84	73.98	7.14	PK
5350	43.84	6.66	H	50.5	53.98	3.48	AV
5350	54.38	6.66	V	61.04	73.98	12.94	PK
5350	43.62	6.66	V	50.28	53.98	3.70	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	51.48	6.08	H	57.56	73.98	16.42	PK
5460	38.26	6.08	H	44.34	53.98	9.64	AV
5470	52.31	6.19	H	58.5	68.20	9.70	PK
5460	51.02	6.08	V	57.1	73.98	16.88	PK
5460	38.02	6.08	V	44.1	53.98	9.88	AV
5470	51.83	6.19	V	58.02	68.20	10.18	PK

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5720 MHz
Channel No.	144 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
5725	50.48	7.07	H	57.55	68.20	10.65	PK
5725	49.72	7.07	V	56.79	68.20	11.41	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	51.05	6.08	H	57.13	73.98	16.85	PK
5460	38.16	6.08	H	44.24	53.98	9.74	AV
5470	52.79	6.19	H	58.98	68.20	9.22	PK
5460	49.77	6.08	V	55.85	73.98	18.13	PK
5460	37.96	6.08	V	44.04	53.98	9.94	AV
5470	51.62	6.19	V	57.81	68.20	10.39	PK

Band : UNII 2C

Operation Mode: 802.11 n_HT20

Transfer MCS Index: 0

Operating Frequency 5720 MHz

Channel No. 144 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
5850	51.26	7.07	H	58.33	68.20	9.87	PK
5850	50.94	7.07	V	58.01	68.20	10.19	PK

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	50.88	6.08	H	56.96	73.98	17.02	PK
5460	38.04	6.08	H	44.12	53.98	9.86	AV
5470	53.61	6.19	H	59.8	68.20	8.40	PK
5460	50.26	6.08	V	56.34	73.98	17.64	PK
5460	37.54	6.08	V	43.62	53.98	10.36	AV
5470	52.48	6.19	V	58.67	68.20	9.53	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5720 MHz
Channel No.	144 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
5850	50.70	7.07	H	57.77	68.20	10.43	PK
5850	49.82	7.07	V	56.89	68.20	11.31	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	53.11	6.08	H	59.19	73.98	14.79	PK
5460	39.70	6.08	H	45.78	53.98	8.20	AV
5470	55.97	6.19	H	62.16	68.20	6.04	PK
5460	51.77	6.08	V	57.85	73.98	16.13	PK
5460	38.62	6.08	V	44.7	53.98	9.28	AV
5470	55.48	6.19	V	61.67	68.20	6.53	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	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBUV/m]	Limit [dBUV/m]	Margin [dB]	Measurement Type
5460	53.87	6.08	H	59.95	73.98	14.03	PK
5460	41.82	6.08	H	47.9	53.98	6.08	AV
5470	53.76	6.19	H	59.95	68.20	8.25	PK
5460	51.82	6.08	V	57.9	73.98	16.08	PK
5460	40.52	6.08	V	46.6	53.98	7.38	AV
5470	52.78	6.19	V	58.97	68.20	9.23	PK

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	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	50.40	7.07	H	57.47	68.20	10.73	PK
5850	49.91	7.07	V	56.98	68.20	11.22	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	51.75	6.08	H	57.83	73.98	16.15	PK
5460	40.13	6.08	H	46.21	53.98	7.77	AV
5470	54.20	6.19	H	60.39	68.20	7.81	PK
5460	50.49	6.08	V	56.57	73.98	17.41	PK
5460	39.82	6.08	V	45.9	53.98	8.08	AV
5470	53.91	6.19	V	60.1	68.20	8.10	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	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	54.21	6.08	H	60.29	73.98	13.69	PK
5460	41.77	6.08	H	47.85	53.98	6.13	AV
5470	54.12	6.19	H	60.31	68.20	7.89	PK
5460	52.11	6.08	V	58.19	73.98	15.79	PK
5460	40.57	6.08	V	46.65	53.98	7.33	AV
5470	51.59	6.19	V	57.78	68.20	10.42	PK

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	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	50.43	7.07	H	57.50	68.20	10.70	PK
5850	50.06	7.07	V	57.13	68.20	11.07	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	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBUV/m]	Limit [dBUV/m]	Margin [dB]	Measurement Type
5460	53.53	6.08	H	59.61	73.98	14.37	PK
5460	42.44	6.08	H	48.52	53.98	5.46	AV
5470	54.49	6.19	H	60.68	68.20	7.52	PK
5460	52.52	6.08	V	58.6	73.98	15.38	PK
5460	42.18	6.08	V	48.26	53.98	5.72	AV
5470	53.80	6.19	V	59.99	68.20	8.21	PK

Band : UNII 2C
 Operation Mode: 802.11 ac_VHT80
 Transfer MCS Index: 0
 Operating Frequency 5610 MHz
 Channel No. 122 Ch

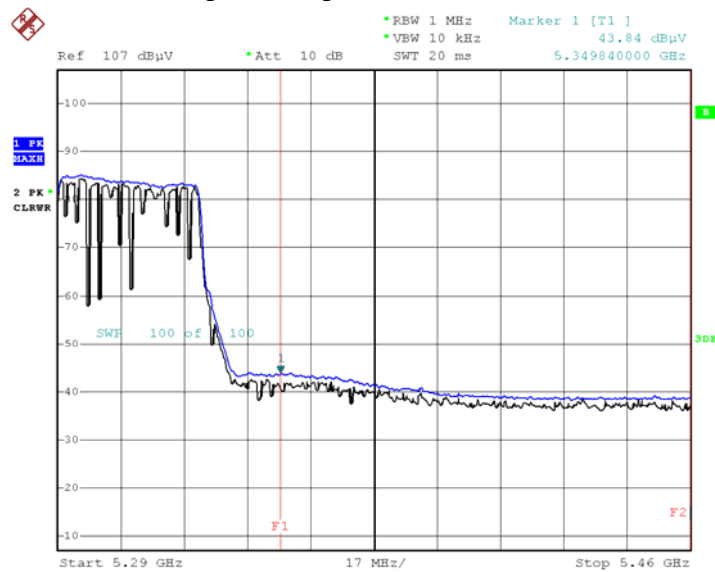
Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBUV/m]	Limit [dBUV/m]	Margin [dB]	Measurement Type
5460	54.18	6.08	H	60.26	73.98	13.72	PK
5460	42.50	6.08	H	48.58	53.98	5.40	AV
5470	52.78	6.19	H	58.97	68.20	9.23	PK
5460	53.92	6.08	V	60	73.98	13.98	PK
5460	41.13	6.08	V	47.21	53.98	6.77	AV
5470	51.99	6.19	V	58.18	68.20	10.02	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	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	50.25	7.07	H	57.32	68.20	10.88	PK
5850	49.46	7.07	V	56.53	68.20	11.67	PK

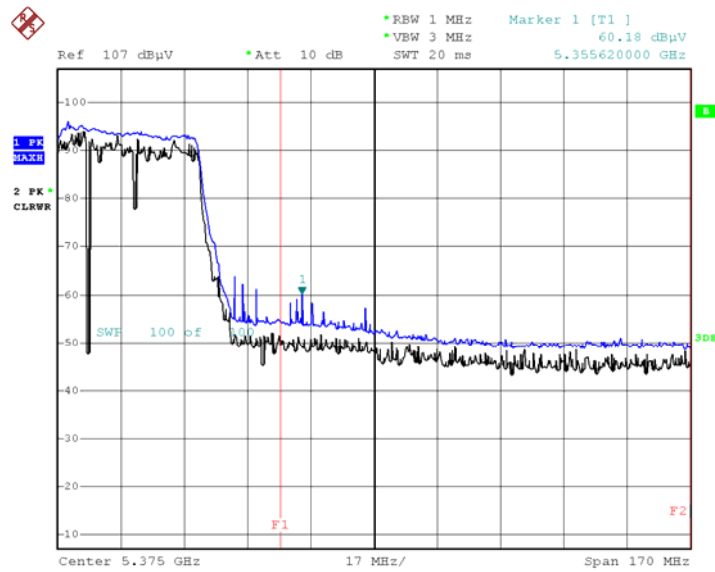
Test Plots(UNII 1, 2A, 2C)

Average Reading (802.11ac_VHT80, Ch.58 , X-H)



Date: 22.MAY.2019 18:55:20

Peak Reading (802.11ac_VHT80, Ch.58, X-H)

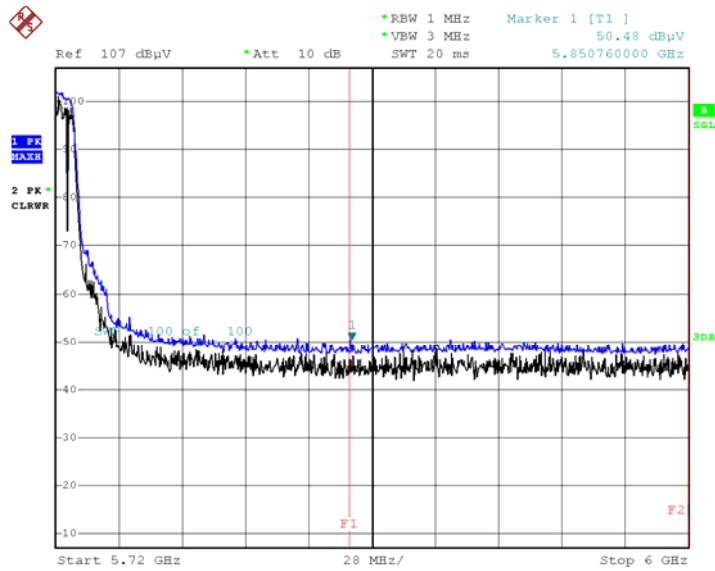


Date: 22.MAY.2019 18:54:48

Note : Only the worst case plots for Radiated Restricted Band Edge.

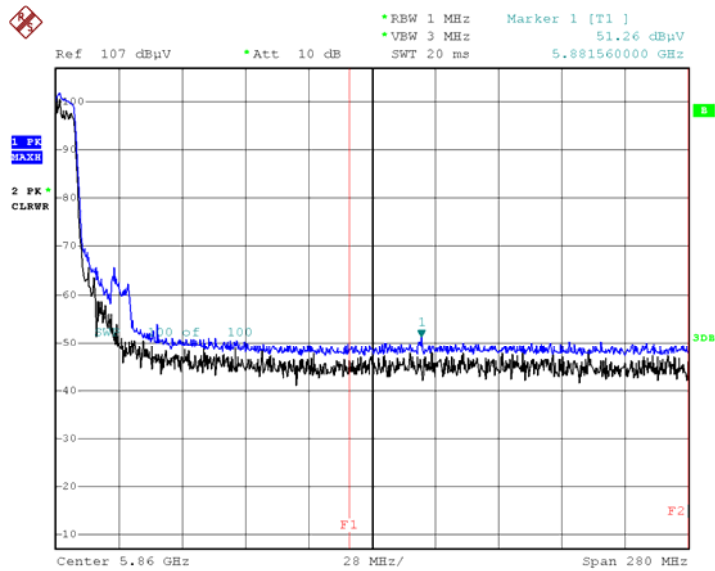
Test Plots(Staraddle Channel)

Peak Reading (802.11a, Ch.144, Y-H)



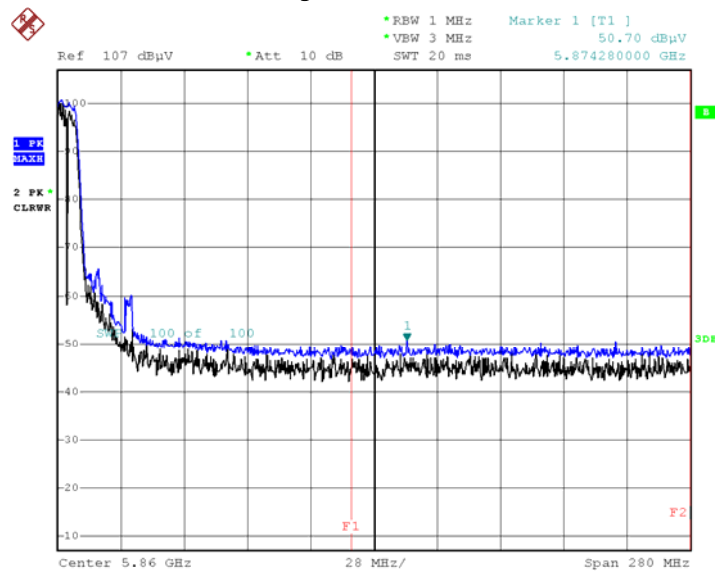
Date: 22.MAY.2019 21:18:23

Peak Reading (802.11n_HT20, Ch.144, Y-H)



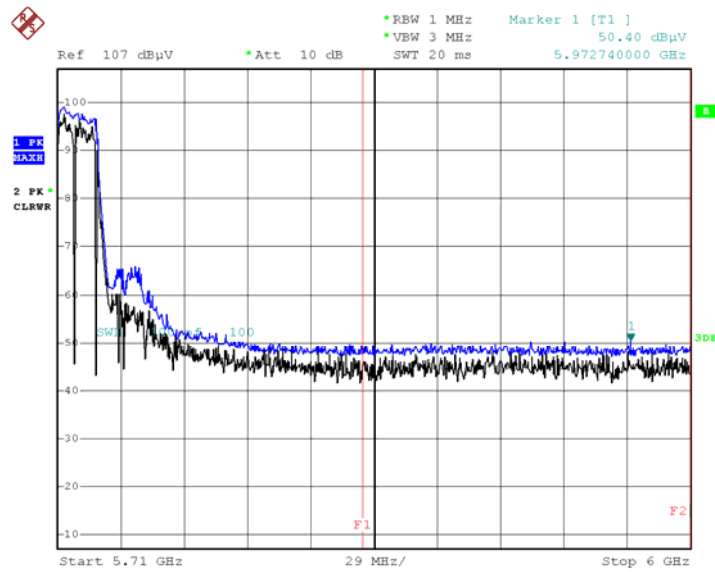
Date: 22.MAY.2019 21:21:50

Peak Reading (802.11ac_VHT20, Ch.144, Y-H)



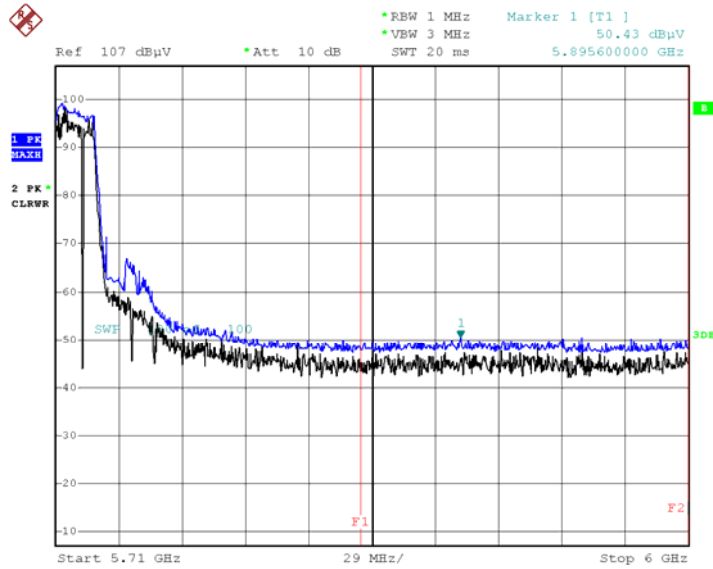
Date: 22.MAY.2019 21:26:14

Peak Reading (802.11n_HT40, Ch.142, Y-H)



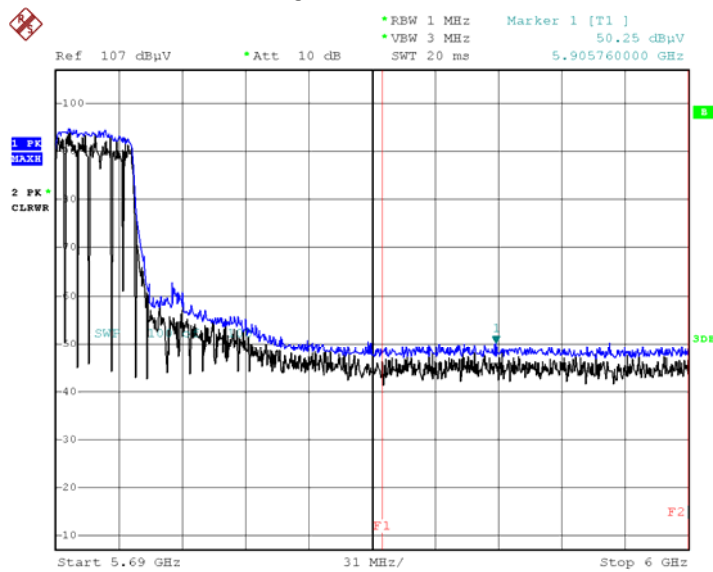
Date: 22.MAY.2019 21:39:46

Peak Reading (802.11ac_VHT40, Ch.142, Y-H)



Date: 22.MAY.2019 21:47:11

Peak Reading (802.11ac_VHT80, Ch.138, Y-H)



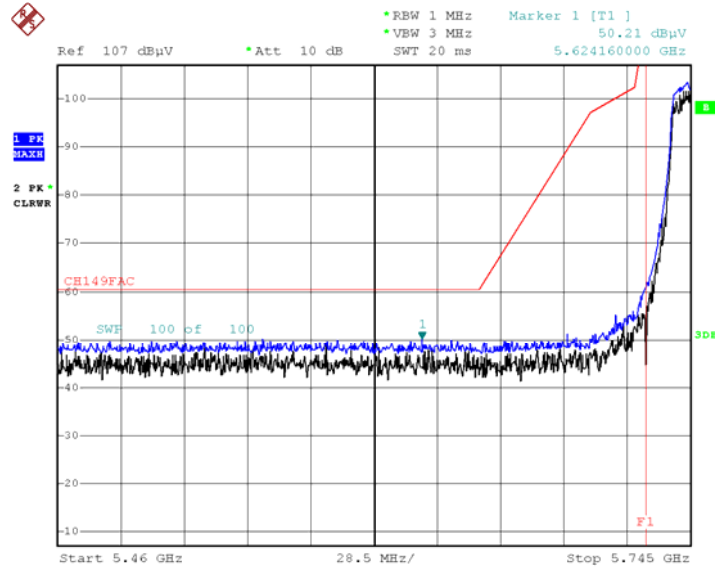
Date: 22.MAY.2019 21:52:07

Note :

1. Only the worst case plots for Radiated Restricted Band Edge.
2. Red line : 5 850 MHz
3. Ambient Noise (Because of ambient noise, We attached only the worst plot without a data table)

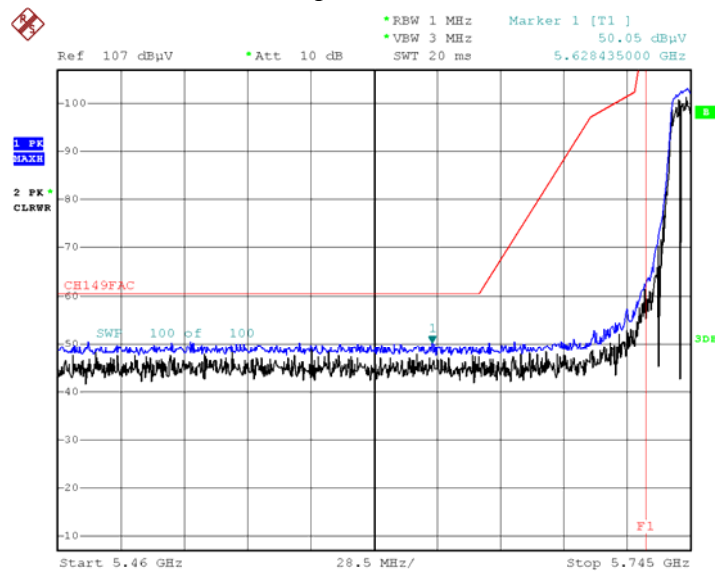
Test Plots(UNII 3)

Peak Reading (802.11a, Ch.149, Z-V)



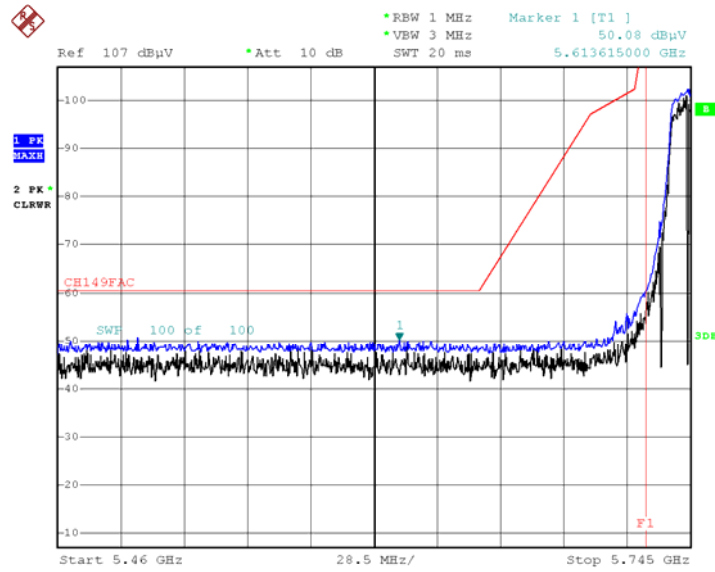
Date: 23.MAY.2019 09:14:24

Peak Reading (802.11n_HT20, Ch.149, Z-V)



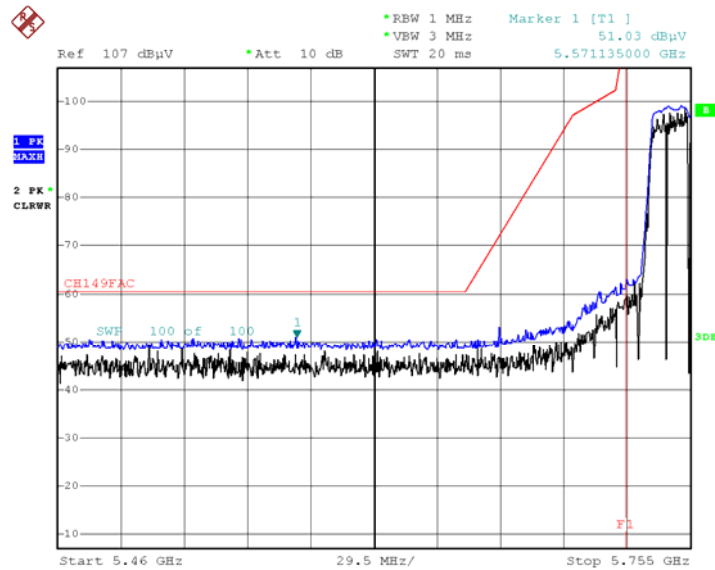
Date: 23.MAY.2019 09:12:41

Peak Reading (802.11ac_VHT20, Ch.149, Z-V)



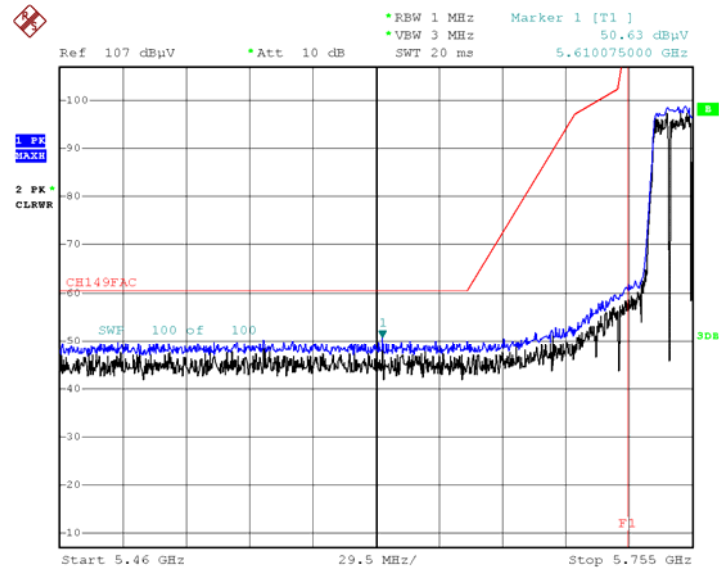
Date: 23.MAY.2019 09:15:49

Peak Reading (802.11n_HT40, Ch.151, Z-V)



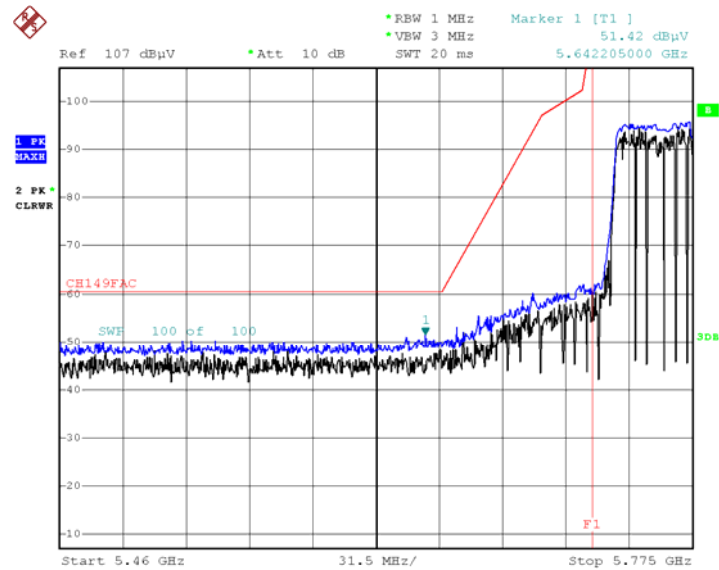
Date: 23.MAY.2019 09:19:12

Peak Reading (802.11ac_VHT40, Ch.151, Z-V)



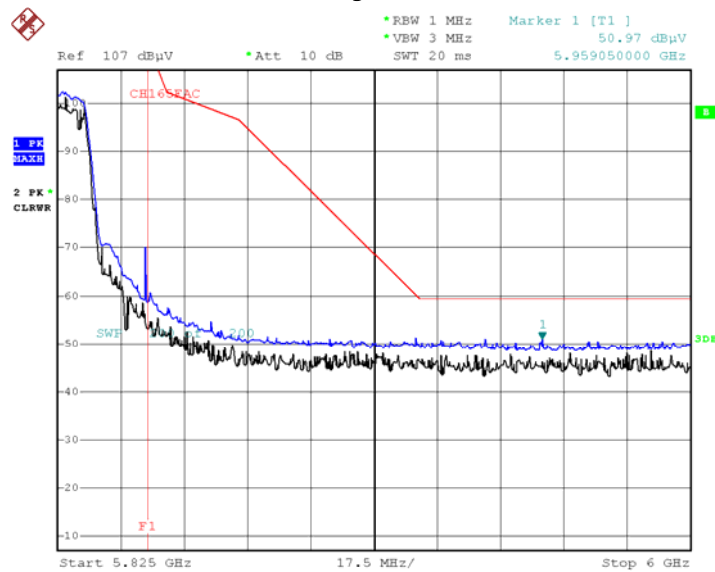
Date: 23.MAY.2019 09:20:06

Peak Reading (802.11ac_VHT80, Ch.155, Z-V)



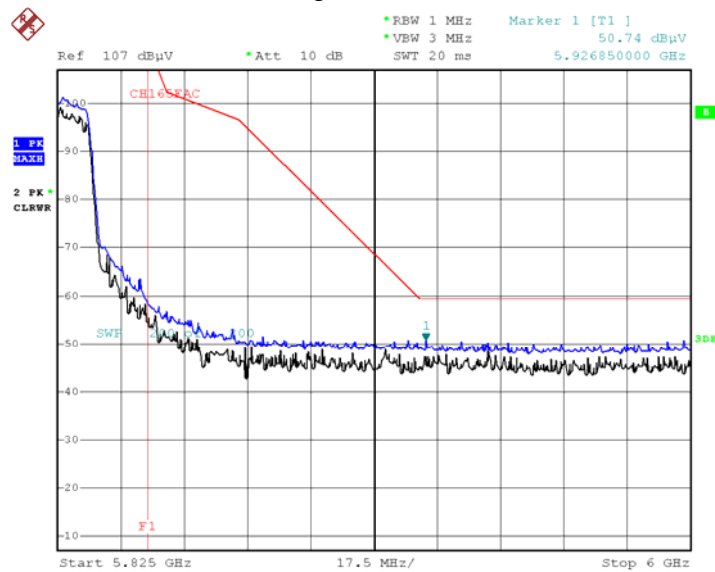
Date: 23.MAY.2019 09:22:03

Peak Reading (802.11a, Ch.165, Z-V)



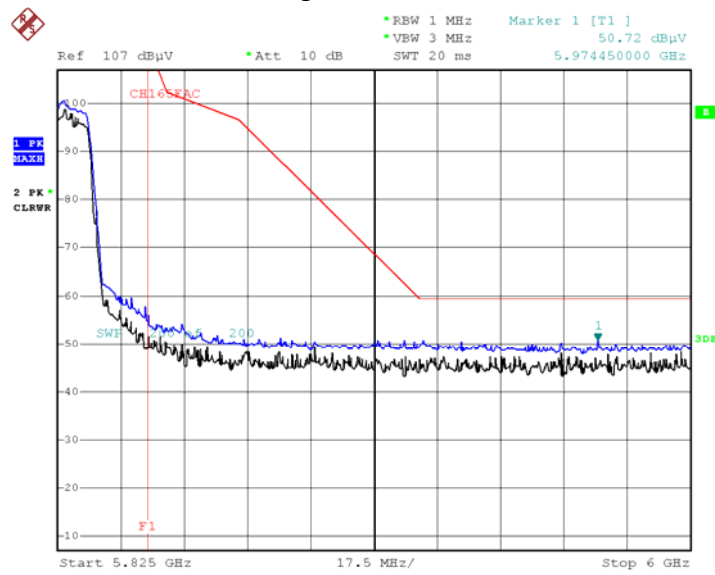
Date: 22.MAY.2019 20:18:23

Peak Reading (802.11n_HT20, Ch.165, Z-V)



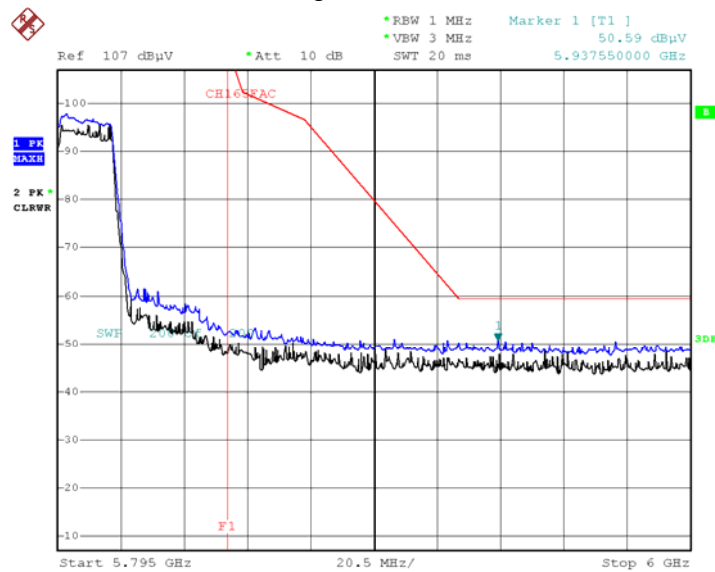
Date: 22.MAY.2019 20:21:33

Peak Reading (802.11ac_VHT20, Ch.165, Z-V)



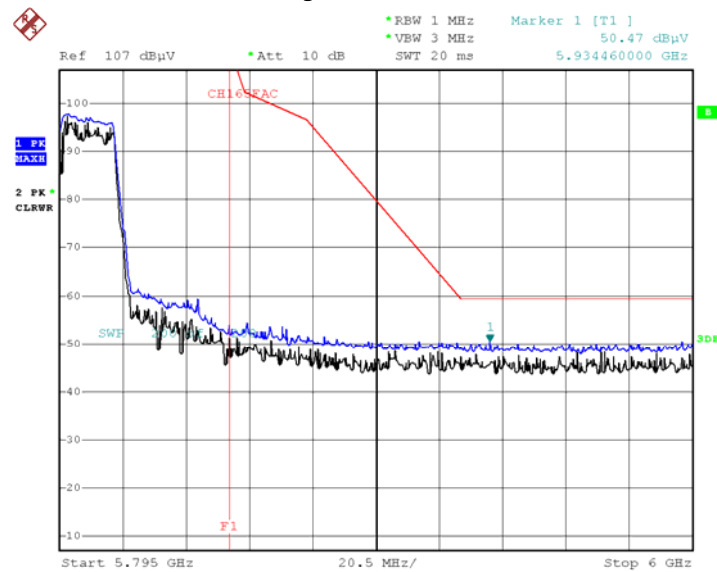
Date: 22.MAY.2019 20:23:40

Peak Reading (802.11n_HT40, Ch.159, Z-V)



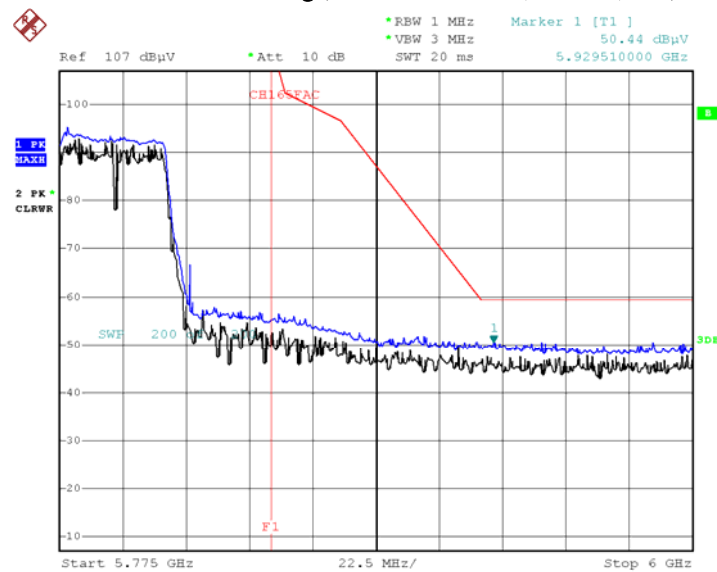
Date: 22.MAY.2019 20:26:06

Peak Reading (802.11ac_VHT40, Ch.159, Z-V)



Date: 22.MAY.2019 20:27:56

Peak Reading (802.11ac_VHT80, Ch.155, Z-V)



Date: 22.MAY.2019 20:29:43

10.10 RECEIVER SPURIOUS EMISSIONS

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

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							

10.11 POWERLINE CONDUCTED EMISSIONS

Conducted Emissions (Line 1)

5G_WLAN_L1

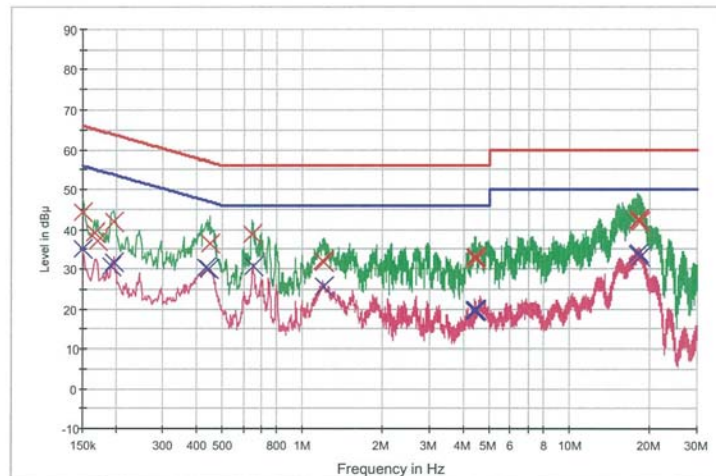
1 / 2

HCT TEST Report

Common Information

EUT: SM-T725
Manufacturer: SAMSUNG
Test Site: SHIELD ROOM
Operating Conditions: 5G WLAN_L1

FCC CLASS B_Exten Cable



— FCC CLASS B_QP — FCC CLASS B_AV — Preview Result 1-PK+
— Preview Result 2-AVG — Final Result 1-QPK — Final Result 2-CAV

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	44.3	9.000	Off	L1	9.7	21.7	66.0
0.166000	39.3	9.000	Off	L1	9.7	25.9	65.2
0.170000	37.2	9.000	Off	L1	9.7	27.7	65.0
0.196000	42.0	9.000	Off	L1	9.7	21.7	63.8
0.450000	36.4	9.000	Off	L1	9.8	20.5	56.9
0.648000	38.8	9.000	Off	L1	9.8	17.2	56.0
1.192000	31.9	9.000	Off	L1	9.8	24.1	56.0
1.210000	31.5	9.000	Off	L1	9.8	24.5	56.0
4.422000	33.0	9.000	Off	L1	10.0	23.0	56.0
4.432000	33.0	9.000	Off	L1	10.0	23.0	56.0
4.436000	33.1	9.000	Off	L1	10.0	22.9	56.0
4.446000	32.3	9.000	Off	L1	10.0	23.7	56.0
17.996000	42.2	9.000	Off	L1	10.5	17.8	60.0
18.006000	42.2	9.000	Off	L1	10.5	17.8	60.0
18.012000	42.2	9.000	Off	L1	10.5	17.8	60.0
18.074000	42.5	9.000	Off	L1	10.5	17.5	60.0
18.154000	42.3	9.000	Off	L1	10.5	17.7	60.0
18.462000	41.8	9.000	Off	L1	10.5	18.2	60.0

2019-05-16

오후 6:15:17

5G_WLAN_L1

2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	35.1	9.000	Off	L1	9.7	20.9	56.0
0.192000	30.7	9.000	Off	L1	9.7	23.2	53.9
0.196000	31.8	9.000	Off	L1	9.7	22.0	53.8
0.436000	30.2	9.000	Off	L1	9.7	17.0	47.1
0.446000	30.0	9.000	Off	L1	9.7	17.0	46.9
0.652000	30.6	9.000	Off	L1	9.8	15.4	46.0
1.210000	25.4	9.000	Off	L1	9.8	20.6	46.0
4.412000	19.5	9.000	Off	L1	10.0	26.5	46.0
4.422000	19.6	9.000	Off	L1	10.0	26.4	46.0
4.432000	19.8	9.000	Off	L1	10.0	26.2	46.0
4.436000	19.8	9.000	Off	L1	10.0	26.2	46.0
4.444000	19.6	9.000	Off	L1	10.0	26.4	46.0
17.934000	33.7	9.000	Off	L1	10.5	16.3	50.0
17.996000	33.9	9.000	Off	L1	10.5	16.2	50.0
18.012000	33.8	9.000	Off	L1	10.5	16.2	50.0
18.016000	33.9	9.000	Off	L1	10.5	16.1	50.0
18.074000	33.9	9.000	Off	L1	10.5	16.1	50.0
18.462000	33.2	9.000	Off	L1	10.5	16.8	50.0

2019-05-16

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Conducted Emissions (Line 2)

5G_WLAN_N

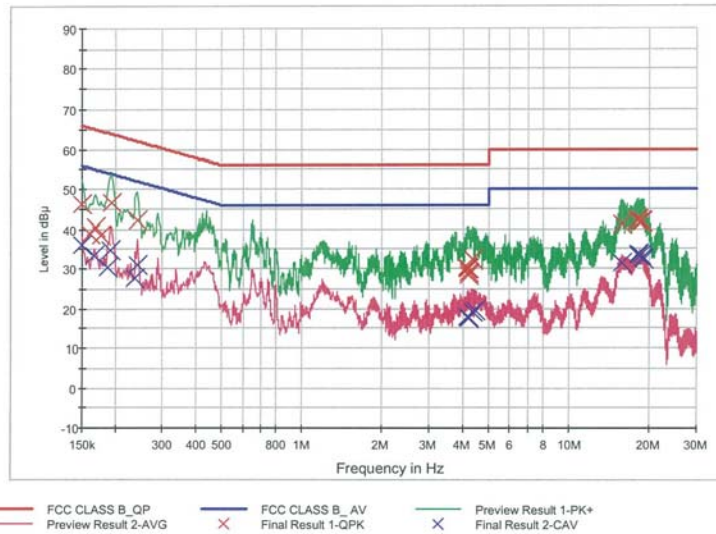
1 / 2

HCT TEST Report

Common Information

EUT: SM-T725
 Manufacturer: SAMSUNG
 Test Site: SHIELD ROOM
 Operating Conditions: 5G WLAN_N

FCC CLASS B_Exten Cable



Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	46.4	9.000	Off	N	9.8	19.6	66.0
0.160000	38.8	9.000	Off	N	9.8	26.6	65.5
0.168000	40.7	9.000	Off	N	9.8	24.4	65.1
0.176000	38.6	9.000	Off	N	9.8	26.0	64.7
0.194000	46.7	9.000	Off	N	9.8	17.2	63.9
0.242000	42.1	9.000	Off	N	9.9	20.0	62.0
4.172000	30.2	9.000	Off	N	10.2	25.8	56.0
4.176000	30.3	9.000	Off	N	10.2	25.7	56.0
4.190000	29.8	9.000	Off	N	10.2	26.2	56.0
4.196000	28.9	9.000	Off	N	10.2	27.1	56.0
4.206000	28.2	9.000	Off	N	10.2	27.8	56.0
4.354000	32.4	9.000	Off	N	10.2	23.6	56.0
15.746000	41.0	9.000	Off	N	10.7	19.0	60.0
17.930000	42.1	9.000	Off	N	10.8	17.9	60.0
18.138000	42.2	9.000	Off	N	10.8	17.8	60.0
18.226000	42.3	9.000	Off	N	10.8	17.7	60.0
18.528000	41.8	9.000	Off	N	10.8	18.2	60.0
18.732000	41.9	9.000	Off	N	10.8	18.1	60.0

2019-05-16

오후 5:27:31

5G_WLAN_N

2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	36.2	9.000	Off	N	9.8	19.8	56.0
0.166000	33.5	9.000	Off	N	9.8	21.6	55.2
0.188000	30.3	9.000	Off	N	9.8	23.8	54.1
0.192000	34.8	9.000	Off	N	9.8	19.1	53.9
0.238000	27.5	9.000	Off	N	9.9	24.7	52.2
0.242000	31.2	9.000	Off	N	9.9	20.9	52.0
4.172000	17.9	9.000	Off	N	10.2	28.1	46.0
4.176000	17.8	9.000	Off	N	10.2	28.2	46.0
4.196000	17.5	9.000	Off	N	10.2	28.5	46.0
4.206000	17.8	9.000	Off	N	10.2	28.2	46.0
4.354000	19.1	9.000	Off	N	10.2	26.9	46.0
4.436000	19.6	9.000	Off	N	10.2	26.4	46.0
15.746000	31.4	9.000	Off	N	10.7	18.6	50.0
18.138000	33.5	9.000	Off	N	10.8	16.5	50.0
18.226000	33.6	9.000	Off	N	10.8	16.4	50.0
18.528000	33.3	9.000	Off	N	10.8	16.7	50.0
18.732000	32.8	9.000	Off	N	10.8	17.2	50.0
18.916000	32.2	9.000	Off	N	10.8	17.8	50.0

2019-05-16

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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	03/12/2019	Annual	0093008124
Agilent	N9020A / Signal Analyzer	06/08/2018	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	11/20/2018	Annual	MY49431210
Agilent	N1911A / Power Meter	04/10/2019	Annual	MY45100523
Agilent	N1921A / Power Sensor	04/10/2019	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
WEINSCHEL	2-20 / Attenuator(20 dB)	10/26/2018	Annual	BR0592
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	03/07/2019	Annual	100808

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 9168 / Hybrid Antenna	08/31/2018	Biennial	00895
Schwarzbeck	VULB 9168 / Hybrid Antenna	08/09/2018	Annual	3368
Schwarzbeck	BBHA 9120D / Horn Antenna	06/30/2017	Biennial	1300
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	12/04/2017	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 40 GHz) / Spectrum Analyzer	07/24/2018	Annual	100843
Wainwright Instruments	WHK3.0/18G-10EF / High Pass Filter	01/03/2019	Annual	F6
Wainwright Instruments	WHFX7.0/18G-8SS / High Pass Filter	05/03/2019	Annual	29
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
Weinschel	2-3 / Attenuator (3 dB)	10/10/2018	Annual	BR0617
H+S	5910-N-50-010 / Attenuator(10 dB)	11/08/2018	Annual	NONE
CERNEX	CBLU1183540B-01 / Power Amplifier	12/21/2018	Annual	25540
CERNEX	CBL06185030 / Power Amplifier	03/26/2019	Annual	28550
CERNEX	CBL18265035 / Power Amplifier	01/03/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	06/29/2018	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/26/2019	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-1907-FI003-P