

Test Plots (26dB Bandwidth)

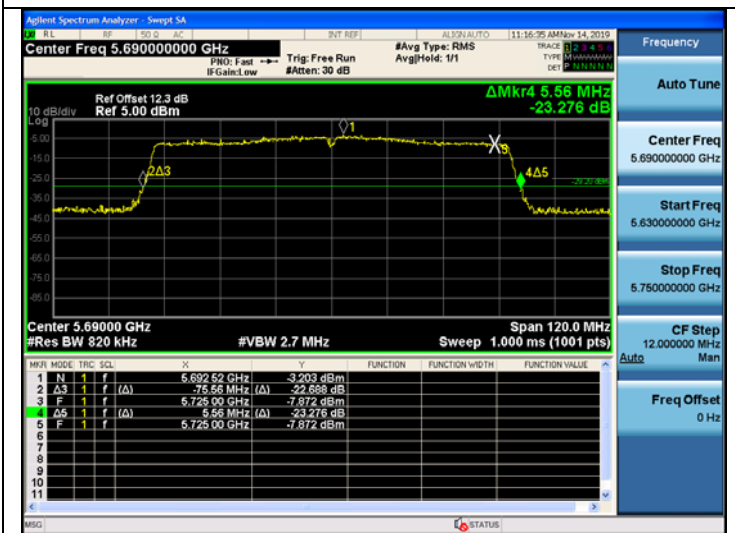
802.11n(HT40) UNII Band



802.11ac(VHT40) UNII Band



802.11ac(VHT80) UNII Band



10.7.2 6dB Bandwidth

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11a	UNII 3	5720	144	5728.24	3.24	> 0.5
802.11n(HT20)				5728.88	3.88	> 0.5
802.11ac(VHT20)				5728.92	3.92	> 0.5

Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11n(HT40)	UNII 3	5710	142	5727.88	2.88	> 0.5
802.11ac(VHT40)				5728.28	3.28	> 0.5

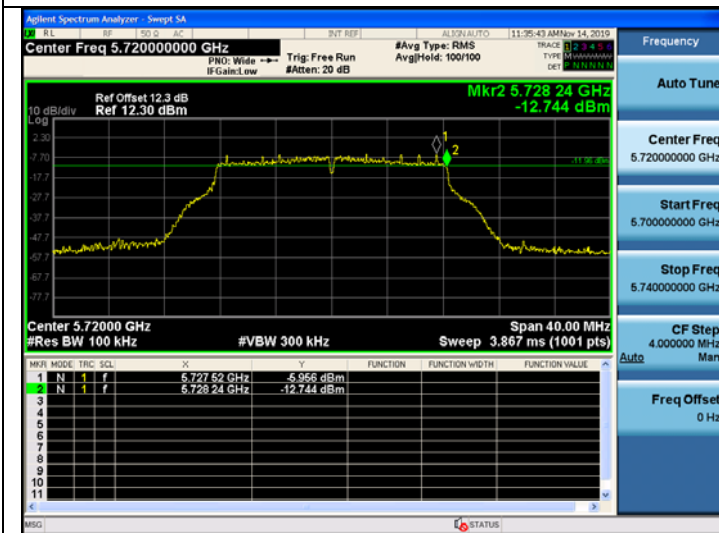
Mode	Band	Frequency [MHz]	Channel	Measured Frequency [MHz]	6dB Bandwidth [MHz]	Limit [MHz]
802.11ac(VHT80)	UNII 3	5690	138	5727.74	2.74	> 0.5

Note:

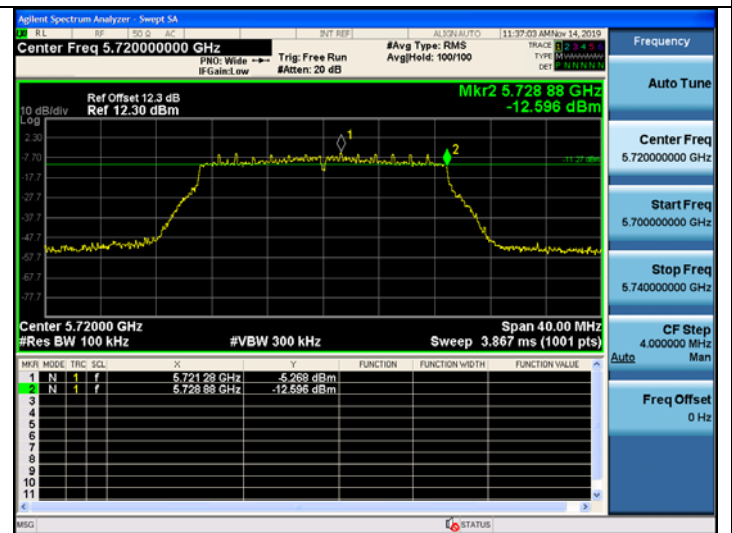
6dB Bandwidth = Measured Frequency[MHz] – 5 725 MHz

Test Plots(UNII 3 Band 6dB Bandwidth)

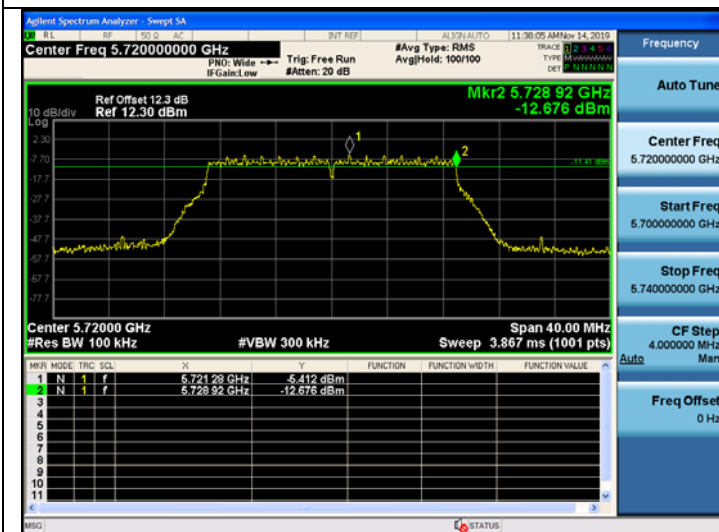
802.11a CH.144



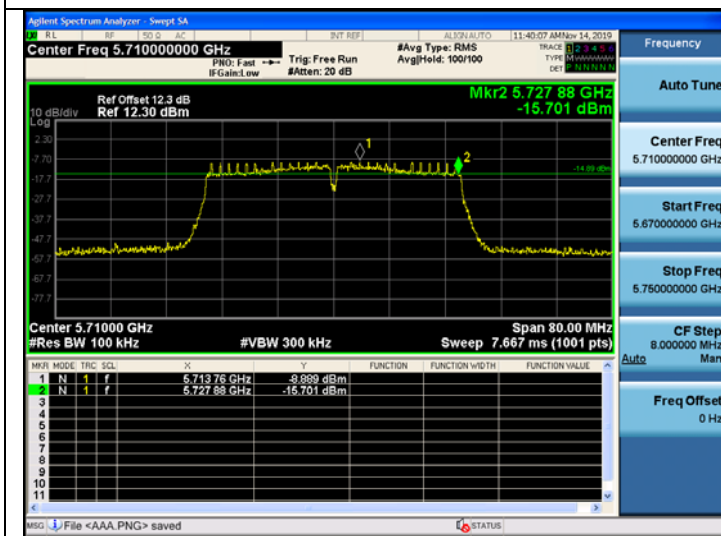
802.11n_HT20 CH.144



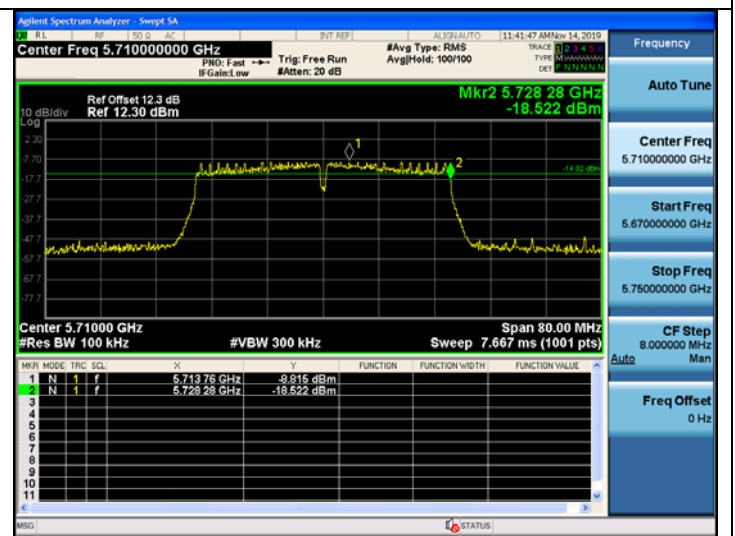
802.11ac_VHT20 CH. 144



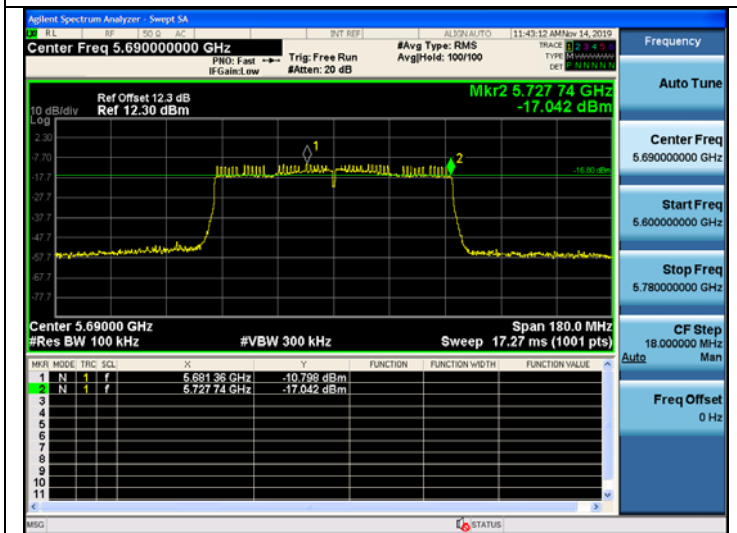
802.11n_HT40 CH.142



802.11ac_VHT40 CH.142



802.11ac_VHT80 CH.138



10.7.3 Output Power

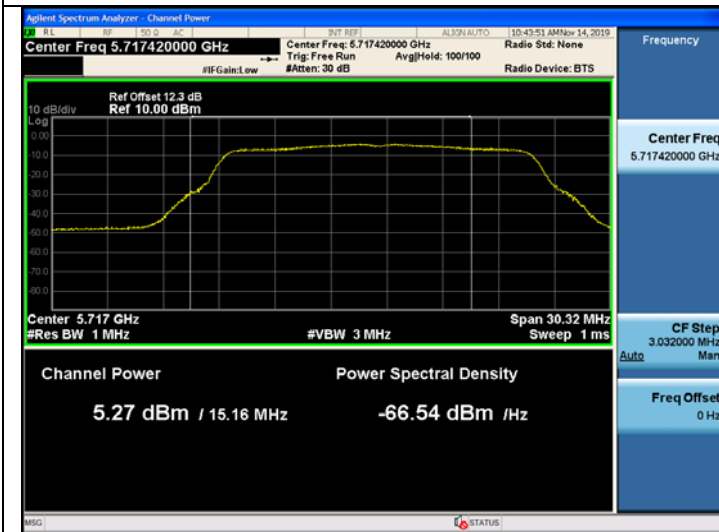
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	5.27	0.200	5.47	22.81
802.11n(HT20)			4.29	0.615	4.91	22.93
802.11ac(VHT20)			4.02	0.766	4.79	22.92
802.11a	5720 (UNII 3 Band)	144	-2.11	0.200	-1.91	30.00
802.11n(HT20)			-2.43	0.615	-1.81	30.00
802.11ac(VHT20)			-1.57	0.766	-0.80	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	4.00	1.090	5.09	23.98
802.11ac(VHT40)			3.14	2.196	5.34	23.98
802.11n(HT40)	5710 (UNII 3 Band)	142	-7.71	1.090	-6.62	30.00
802.11ac(VHT40)			-8.55	2.196	-6.35	30.00

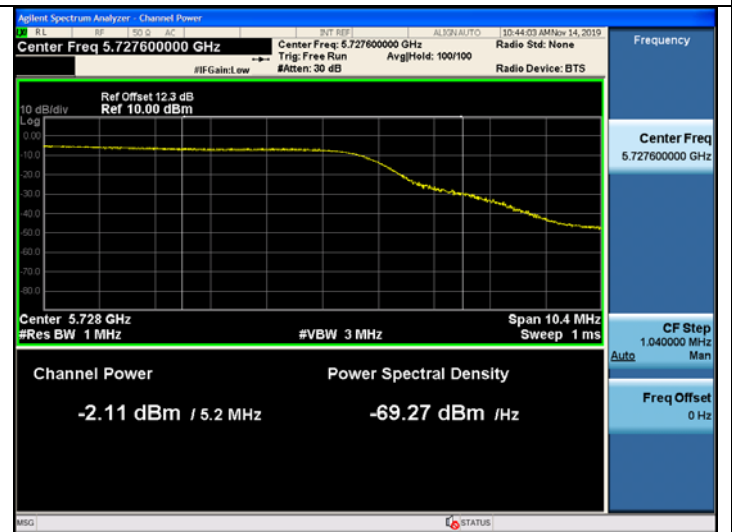
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	5.07	0.853	5.92	23.98
	5690 (UNII 3 Band)	138	-10.27	0.853	-9.42	30.00

Test Plots

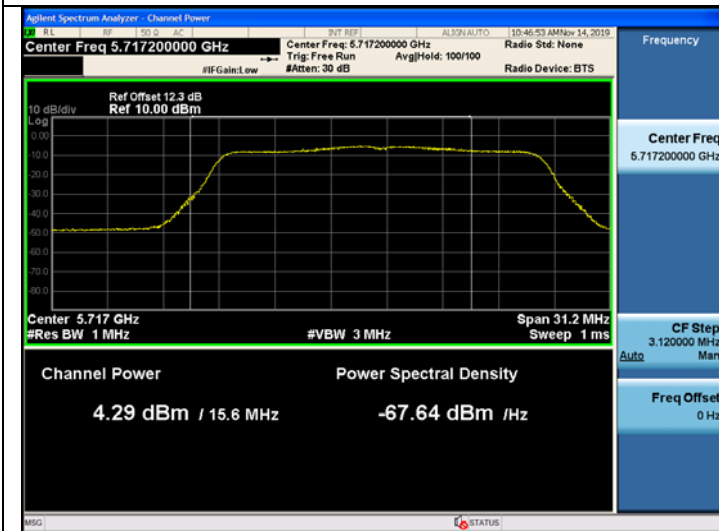
802.11a UNII 2C Band



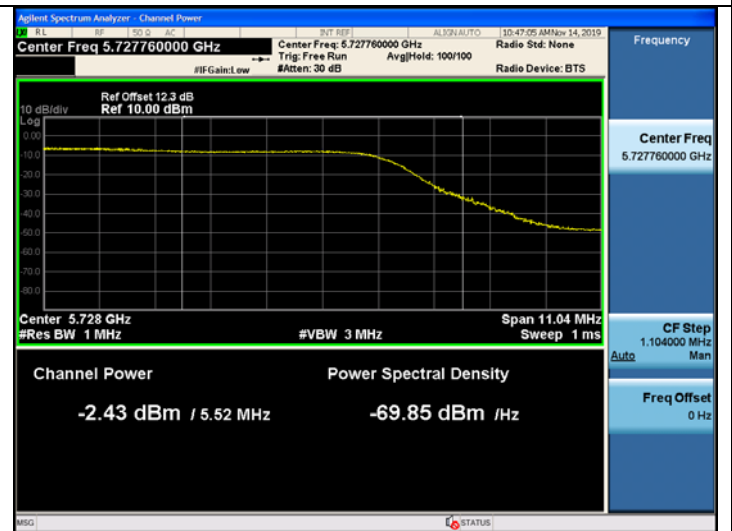
802.11a UNII 3 Band



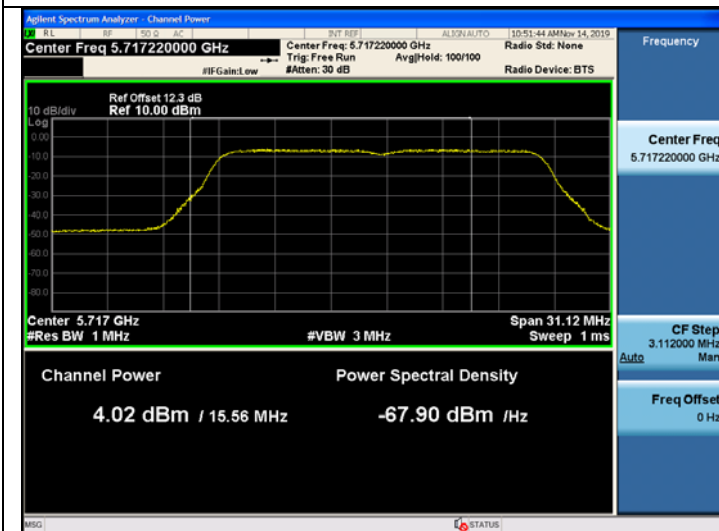
802.11n(HT20) UNII 2C Band



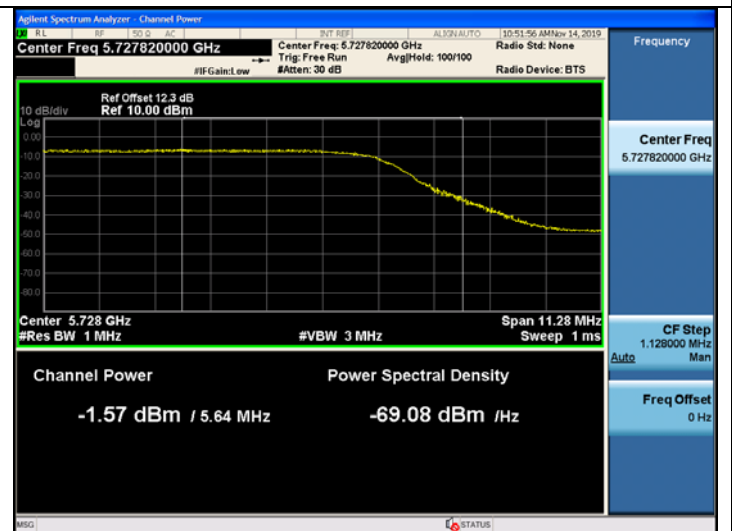
802.11n(HT20) UNII 3 Band



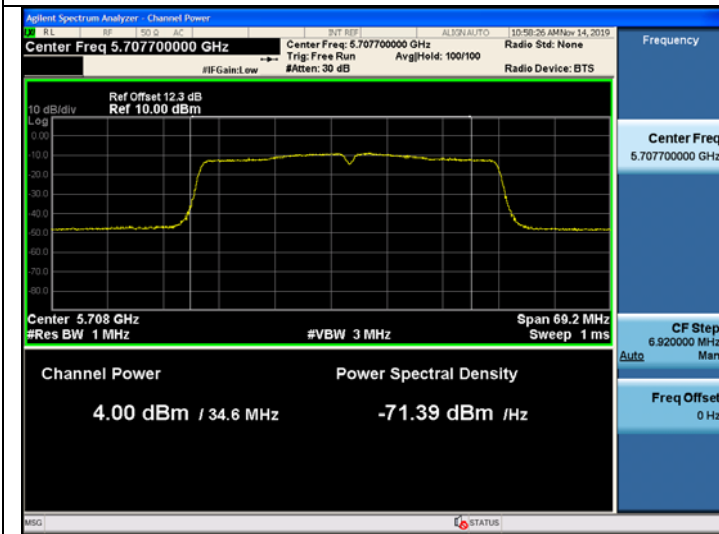
802.11ac(VHT20) UNII 2C Band



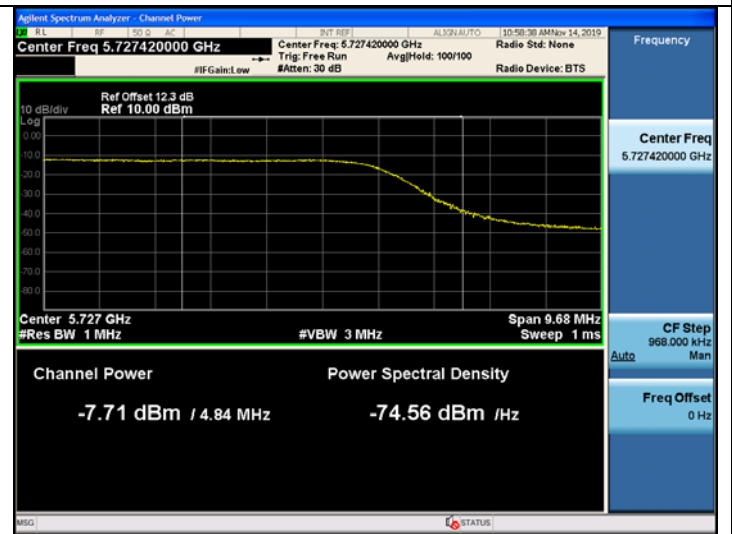
802.11ac(VHT20) UNII 3 Band



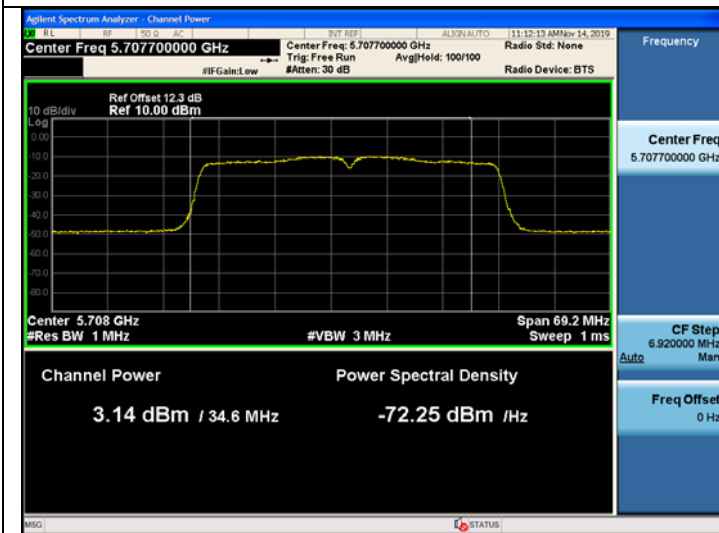
802.11n(HT40) UNII 2C Band



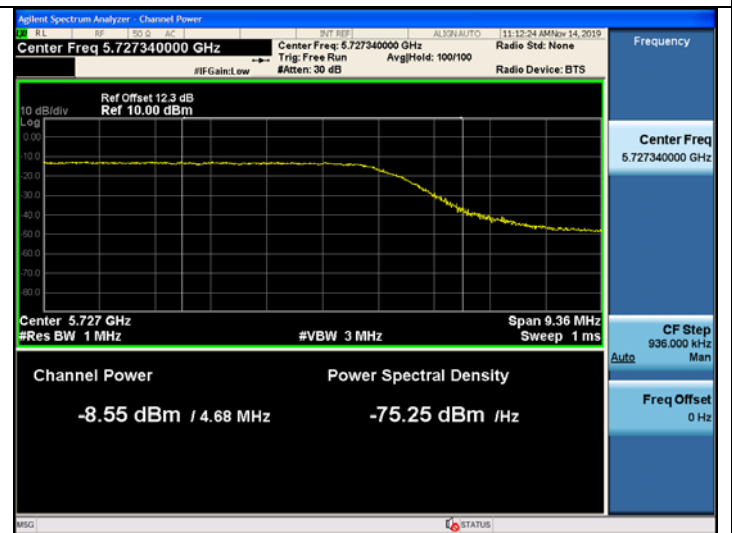
802.11n(HT40) UNII 3 Band



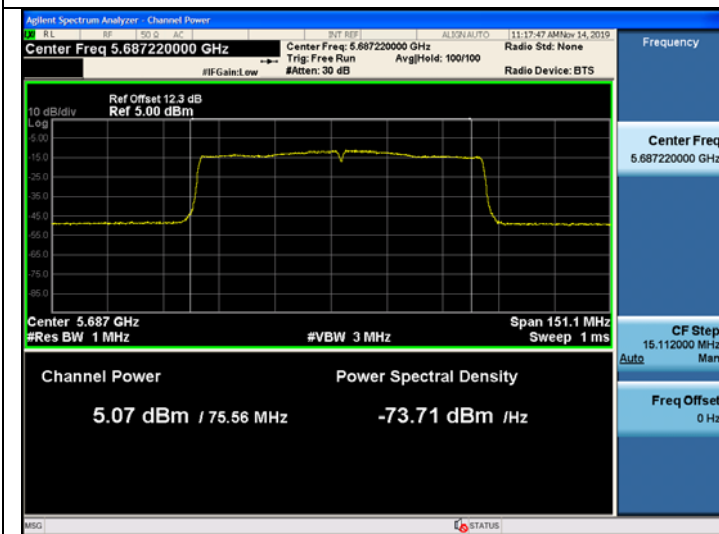
802.11ac(VHT40) UNII 2C Band



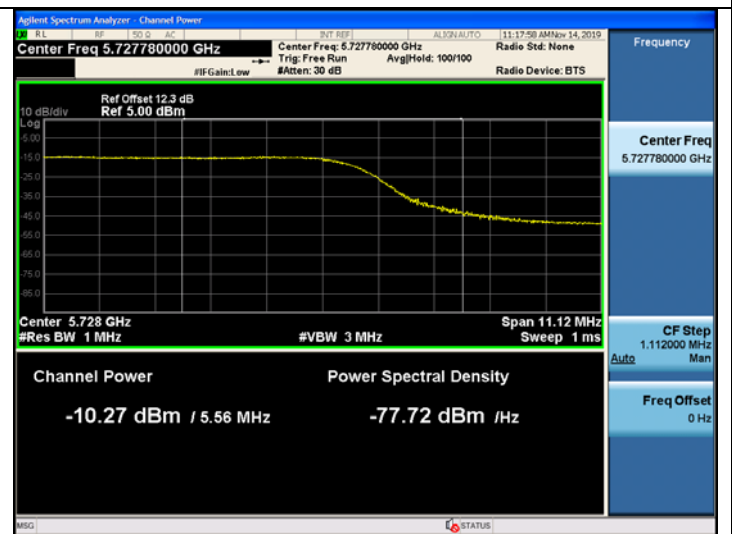
802.11ac(VHT40) UNII 3 Band



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	-4.119	0.200	-3.919	11.00
802.11n(HT20)			-5.213	0.615	-4.598	11.00
802.11ac(VHT20)			-6.147	0.766	-5.381	11.00
802.11a	5720 (UNII 3 Band)	144	-9.003	0.200	-8.803	30.00
802.11n(HT20)			-9.944	0.615	-9.329	30.00
802.11ac(VHT20)			-9.275	0.766	-8.509	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	-8.923	1.090	-7.833	11.00
802.11ac(VHT40)			-9.701	2.196	-7.505	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-14.515	1.090	-13.425	30.00
802.11ac(VHT40)			-14.574	2.196	-12.378	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	-11.377	0.853	-10.524	11.00
	5690 (UNII 3 Band)	138	-17.492	0.853	-16.639	30.00

Test Plots

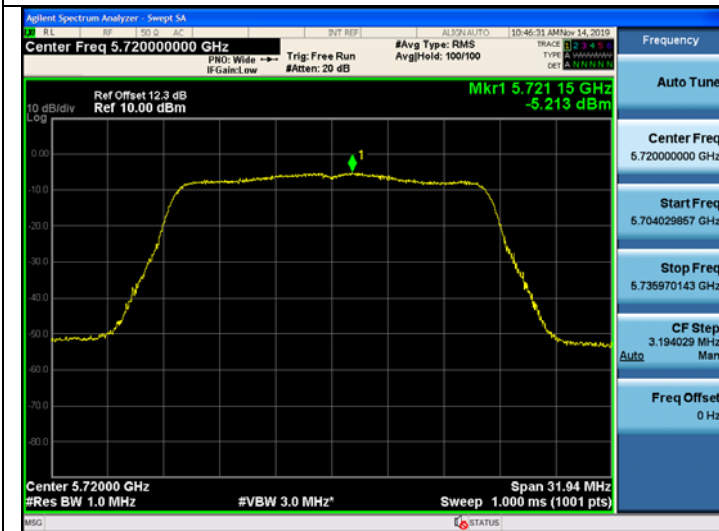
802.11a UNII 2C Band



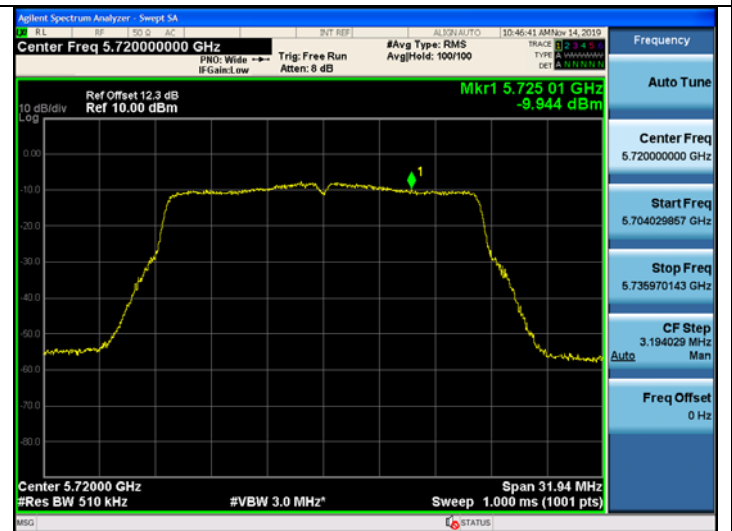
802.11a UNII 3 Band



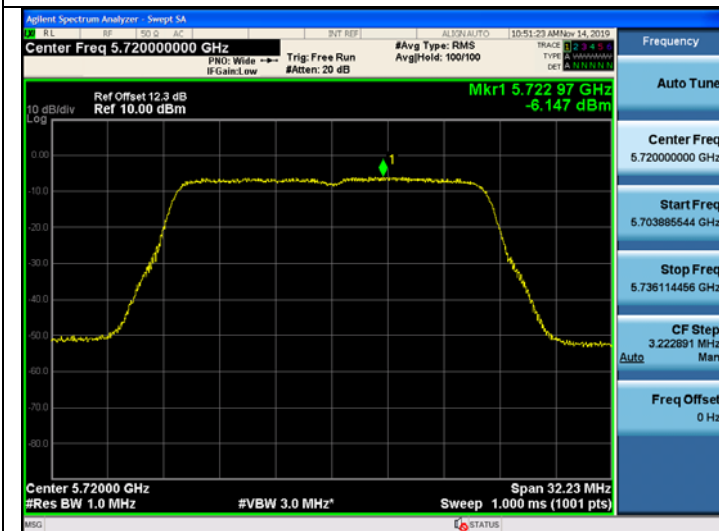
802.11n(HT20) UNII 2C Band



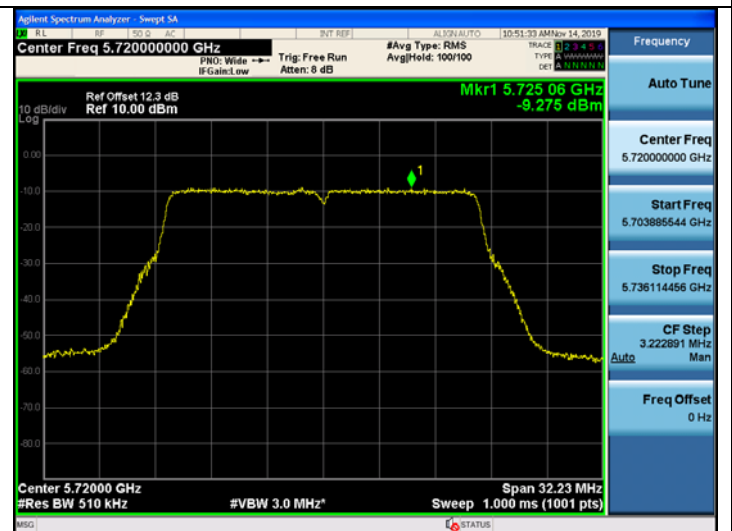
802.11n(HT20) UNII 3 Band



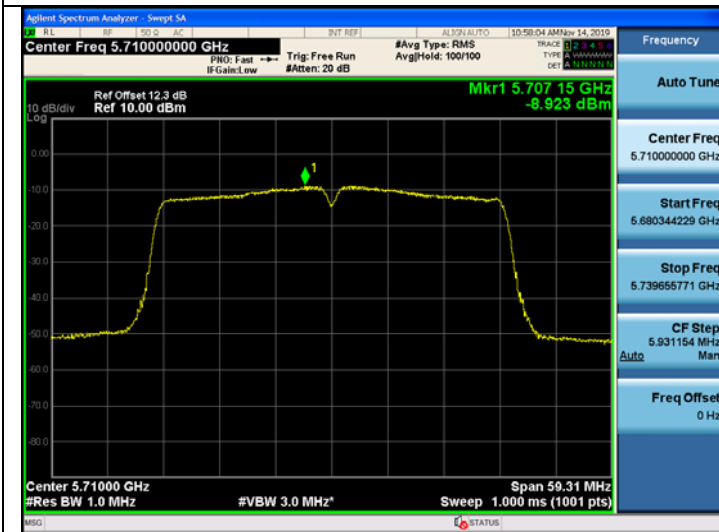
802.11ac(VHT20) UNII 2C Band



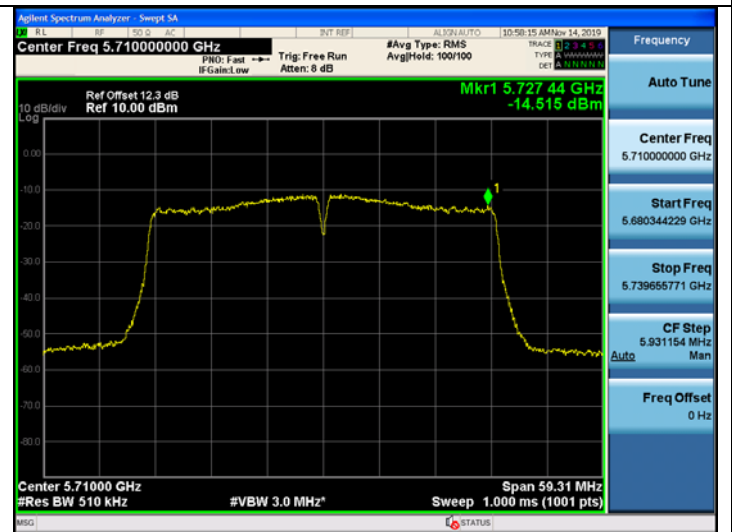
802.11ac(VHT20) UNII 3 Band



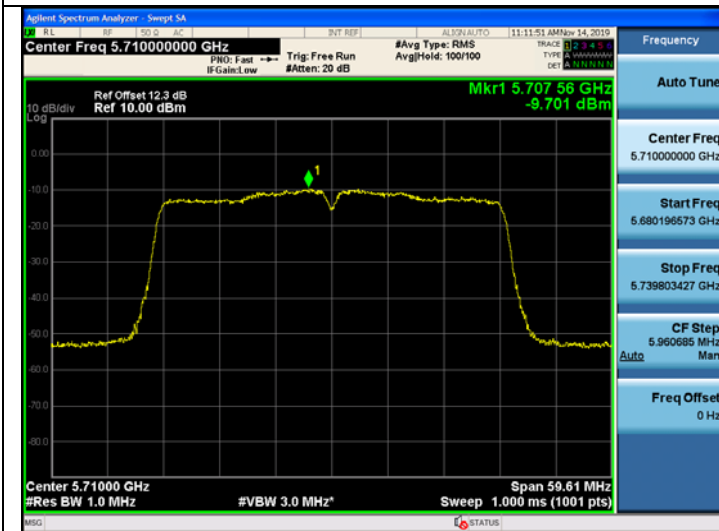
802.11n(HT40) UNII 2C Band



802.11n(HT40) UNII 3 Band



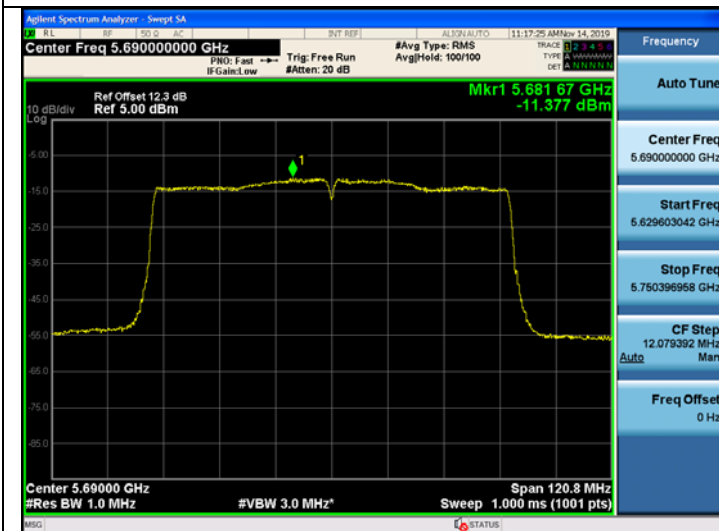
802.11ac(VHT40) UNII 2C Band



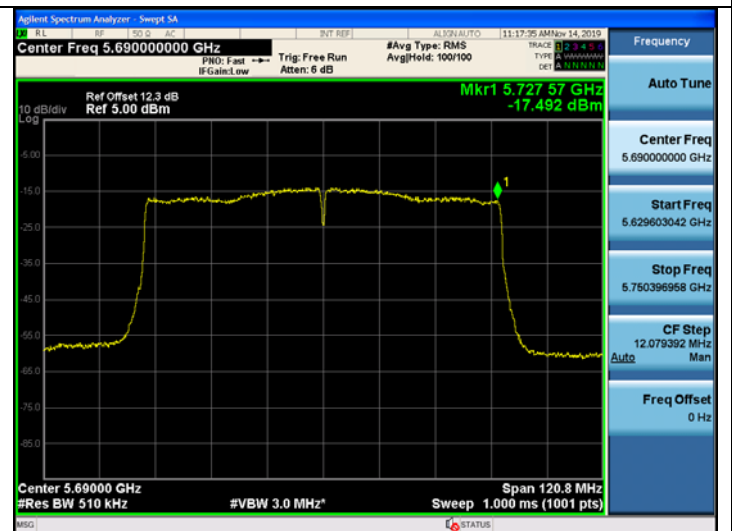
802.11ac(VHT40) UNII 3 Band



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 = $40 \log (\text{specific distance} / \text{test distance})$ (dB)
3. Limit line = specific Limits (dBuV) + Distance extrapolation factor

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	52.20	-3.29	V	48.91	68.20	19.29	PK
15540	54.64	-3.24	V	51.40	73.98	22.58	PK
15540	38.91	-3.24	V	35.67	53.98	18.31	AV
10360	52.75	-3.29	H	49.46	68.20	18.74	PK
15540	56.50	-3.24	H	53.26	73.98	20.72	PK
15540	39.18	-3.24	H	35.94	53.98	18.04	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	52.97	-2.43	V	50.54	68.20	17.66	PK
15600	56.45	-2.90	V	53.55	73.98	20.43	PK
15600	39.75	-2.90	V	36.85	53.98	17.13	AV
10400	53.54	-2.43	H	51.11	68.20	17.09	PK
15600	57.68	-2.90	H	54.78	73.98	19.20	PK
15600	40.00	-2.90	H	37.10	53.98	16.88	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	54.02	-2.37	V	51.65	68.20	16.55	PK
15720	55.58	-3.03	V	52.55	73.98	21.43	PK
15720	39.31	-3.03	V	36.28	53.98	17.70	AV
10480	54.81	-2.37	H	52.44	68.20	15.76	PK
15720	57.10	-3.03	H	54.07	73.98	19.91	PK
15720	39.77	-3.03	H	36.74	53.98	17.24	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	52.75	-2.40	V	50.35	68.20	17.85	PK
15780	54.38	-2.92	V	51.46	73.98	22.52	PK
15780	38.66	-2.92	V	35.74	53.98	18.24	AV
10520	53.09	-2.40	H	50.69	68.20	17.51	PK
15780	54.13	-2.92	H	51.21	73.98	22.77	PK
15780	38.55	-2.92	H	35.63	53.98	18.35	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	52.76	-2.20	V	50.56	73.98	23.42	PK
10600	41.39	-2.20	V	39.19	53.98	14.79	AV
15900	51.17	-2.90	V	48.27	73.98	25.71	PK
15900	38.16	-2.90	V	35.26	53.98	18.72	AV
10600	53.34	-2.20	H	51.14	73.98	22.84	PK
10600	42.52	-2.20	H	40.32	53.98	13.66	AV
15900	52.76	-2.90	H	49.86	73.98	24.12	PK
15900	38.24	-2.90	H	35.34	53.98	18.64	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	51.65	-2.52	V	49.13	73.98	24.85	PK
10640	40.35	-2.52	V	37.83	53.98	16.15	AV
15960	52.90	-3.40	V	49.50	73.98	24.48	PK
15960	38.52	-3.40	V	35.12	53.98	18.86	AV
10640	52.57	-2.52	H	50.05	73.98	23.93	PK
10640	41.38	-2.52	H	38.86	53.98	15.12	AV
15960	52.42	-3.40	H	49.02	73.98	24.96	PK
15960	38.34	-3.40	H	34.94	53.98	19.04	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	51.87	-1.76	V	50.11	73.98	23.87	PK
11000	39.86	-1.76	V	38.10	53.98	15.88	AV
16500	51.76	-1.31	V	50.45	68.20	17.75	PK
11000	52.17	-1.76	H	50.41	73.98	23.57	PK
11000	40.09	-1.76	H	38.33	53.98	15.65	AV
16500	53.30	-1.31	H	51.99	68.20	16.21	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	52.54	-2.55	V	49.99	73.98	23.99	PK
11160	39.01	-2.55	V	36.46	53.98	17.52	AV
16740	54.51	0.48	V	54.99	68.20	13.21	PK
11160	50.99	-2.55	H	48.44	73.98	25.54	PK
11160	38.39	-2.55	H	35.84	53.98	18.14	AV
16740	55.67	0.48	H	56.15	68.20	12.05	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	52.46	-2.12	V	50.34	73.98	23.64	PK
11440	41.18	-2.12	V	39.06	53.98	14.92	AV
17160	54.05	1.29	V	55.34	68.20	12.86	PK
11440	51.88	-2.12	H	49.76	73.98	24.22	PK
11440	40.25	-2.12	H	38.13	53.98	15.85	AV
17160	53.25	1.29	H	54.54	68.20	13.66	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	51.15	-2.83	V	48.32	73.98	25.66	PK
11490	40.64	-2.83	V	37.81	53.98	16.17	AV
17235	51.10	1.75	V	52.85	68.20	15.36	PK
11490	52.09	-2.83	H	49.26	73.98	24.72	PK
11490	40.76	-2.83	H	37.93	53.98	16.05	AV
17235	50.61	1.75	H	52.36	68.20	15.85	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	52.70	-2.62	V	50.08	73.98	23.90	PK
11570	41.22	-2.62	V	38.60	53.98	15.38	AV
17355	50.52	2.90	V	53.42	68.20	14.79	PK
11570	52.85	-2.62	H	50.23	73.98	23.75	PK
11570	42.06	-2.62	H	39.44	53.98	14.54	AV
17355	49.85	2.90	H	52.75	68.20	15.46	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	52.45	-2.26	V	50.19	73.98	23.79	PK
11650	41.63	-2.26	V	39.37	53.98	14.61	AV
17475	50.76	4.60	V	55.36	68.20	12.84	PK
11650	52.51	-2.46	H	50.05	73.98	23.93	PK
11650	42.78	-2.46	H	40.32	53.98	13.66	AV
17475	50.66	4.60	H	55.26	68.20	12.94	PK

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	52.51	-3.29	V	49.22	68.20	18.98	PK
15540	58.68	-3.24	V	55.44	73.98	18.54	PK
15540	39.14	-3.24	V	35.90	53.98	18.08	AV
10360	53.69	-3.29	H	50.40	68.20	17.80	PK
15540	59.26	-3.24	H	56.02	73.98	17.96	PK
15540	39.30	-3.24	H	36.06	53.98	17.92	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	52.19	-2.43	V	49.76	68.20	18.44	PK
15600	57.11	-2.90	V	54.21	73.98	19.77	PK
15600	39.51	-2.90	V	36.61	53.98	17.37	AV
10400	53.04	-2.43	H	50.61	68.20	17.59	PK
15600	59.07	-2.90	H	56.17	73.98	17.81	PK
15600	39.88	-2.90	H	36.98	53.98	17.00	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	52.36	-2.37	V	49.99	68.20	18.21	PK
15720	57.05	-3.03	V	54.02	73.98	19.96	PK
15720	39.39	-3.03	V	36.36	53.98	17.62	AV
10480	52.72	-2.37	H	50.35	68.20	17.85	PK
15720	57.52	-3.03	H	54.49	73.98	19.49	PK
15720	39.54	-3.03	H	36.51	53.98	17.47	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	53.29	-2.40	V	50.89	68.20	17.31	PK
15780	53.67	-2.92	V	50.75	73.98	23.23	PK
15780	38.54	-2.92	V	35.62	53.98	18.36	AV
10520	52.88	-2.40	H	50.48	68.20	17.72	PK
15780	53.47	-2.92	H	50.55	73.98	23.43	PK
15780	38.30	-2.92	H	35.38	53.98	18.60	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	52.29	-2.20	V	50.09	73.98	23.89	PK
10600	42.47	-2.20	V	40.27	53.98	13.71	AV
15900	52.08	-2.90	V	49.18	73.98	24.80	PK
15900	38.11	-2.90	V	35.21	53.98	18.77	AV
10600	52.96	-2.20	H	50.76	73.98	23.22	PK
10600	42.61	-2.20	H	40.41	53.98	13.57	AV
15900	53.48	-2.90	H	50.58	73.98	23.40	PK
15900	38.20	-2.90	H	35.30	53.98	18.68	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	51.83	-2.52	V	49.31	73.98	24.67	PK
10640	41.18	-2.52	V	38.66	53.98	15.32	AV
15960	53.65	-3.40	V	50.25	73.98	23.73	PK
15960	38.95	-3.40	V	35.55	53.98	18.43	AV
10640	52.06	-2.52	H	49.54	73.98	24.44	PK
10640	41.49	-2.52	H	38.97	53.98	15.01	AV
15960	52.82	-3.40	H	49.42	73.98	24.56	PK
15960	38.87	-3.40	H	35.47	53.98	18.51	AV

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	51.97	-1.76	V	50.21	73.98	23.77	PK
11000	39.44	-1.76	V	37.68	53.98	16.30	AV
16500	53.88	-1.31	V	52.57	68.20	15.63	PK
11000	52.33	-1.76	H	50.57	73.98	23.41	PK
11000	39.60	-1.76	H	37.84	53.98	16.14	AV
16500	54.52	-1.31	H	53.21	68.20	14.99	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	51.42	-2.55	V	48.87	73.98	25.11	PK
11160	38.83	-2.55	V	36.28	53.98	17.70	AV
16740	55.58	0.48	V	56.06	68.20	12.14	PK
11160	50.28	-2.55	H	47.73	73.98	26.25	PK
11160	38.68	-2.55	H	36.13	53.98	17.85	AV
16740	56.18	0.48	H	56.66	68.20	11.54	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	52.14	-2.12	V	50.02	73.98	23.96	PK
11440	41.24	-2.12	V	39.12	53.98	14.86	AV
17160	55.10	1.29	V	56.39	68.20	11.81	PK
11440	51.00	-2.12	H	48.88	73.98	25.10	PK
11440	40.87	-2.12	H	38.75	53.98	15.23	AV
17160	54.31	1.29	H	55.60	68.20	12.60	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	51.51	-2.83	V	48.68	73.98	25.30	PK
11490	40.70	-2.83	V	37.87	53.98	16.11	AV
17235	50.50	1.75	V	52.25	68.20	15.96	PK
11490	51.90	-2.83	H	49.07	73.98	24.91	PK
11490	40.83	-2.83	H	38.00	53.98	15.98	AV
17235	50.94	1.75	H	52.69	68.20	15.52	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	52.05	-2.62	V	49.43	73.98	24.55	PK
11570	42.18	-2.62	V	39.56	53.98	14.42	AV
17355	50.22	2.90	V	53.12	68.20	15.09	PK
11570	52.16	-2.62	H	49.54	73.98	24.44	PK
11570	42.27	-2.62	H	39.65	53.98	14.33	AV
17355	51.06	2.90	H	53.96	68.20	14.25	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	51.67	-2.26	V	49.41	73.98	24.57	PK
11650	40.41	-2.26	V	38.15	53.98	15.83	AV
17475	51.71	4.60	V	56.31	68.20	11.89	PK
11650	52.20	-2.46	H	49.74	73.98	24.24	PK
11650	41.09	-2.46	H	38.63	53.98	15.35	AV
17475	51.05	4.60	H	55.65	68.20	12.55	PK

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	51.20	-3.29	V	47.91	68.20	20.29	PK
15540	59.74	-3.24	V	56.50	73.98	17.48	PK
15540	39.08	-3.24	V	35.84	53.98	18.14	AV
10360	52.70	-3.29	H	49.41	68.20	18.79	PK
15540	60.53	-3.24	H	57.29	73.98	16.69	PK
15540	39.26	-3.24	H	36.02	53.98	17.96	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	52.78	-2.43	V	50.35	68.20	17.85	PK
15600	57.04	-2.90	V	54.14	73.98	19.84	PK
15600	39.66	-2.90	V	36.76	53.98	17.22	AV
10400	54.06	-2.43	H	51.63	68.20	16.57	PK
15600	60.00	-2.90	H	57.10	73.98	16.88	PK
15600	39.79	-2.90	H	36.89	53.98	17.09	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	52.56	-2.37	V	50.19	68.20	18.01	PK
15720	57.97	-3.03	V	54.94	73.98	19.04	PK
15720	39.38	-3.03	V	36.35	53.98	17.63	AV
10480	53.86	-2.37	H	51.49	68.20	16.71	PK
15720	59.15	-3.03	H	56.12	73.98	17.86	PK
15720	39.53	-3.03	H	36.50	53.98	17.48	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	52.36	-2.40	V	49.96	68.20	18.24	PK
15780	55.84	-2.92	V	52.92	73.98	21.06	PK
15780	38.40	-2.92	V	35.48	53.98	18.50	AV
10520	51.70	-2.40	H	49.30	68.20	18.90	PK
15780	53.91	-2.92	H	50.99	73.98	22.99	PK
15780	38.19	-2.92	H	35.27	53.98	18.71	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	53.11	-2.20	V	50.91	73.98	23.07	PK
10600	42.21	-2.20	V	40.01	53.98	13.97	AV
15900	50.93	-2.90	V	48.03	73.98	25.95	PK
15900	38.15	-2.90	V	35.25	53.98	18.73	AV
10600	53.53	-2.20	H	51.33	73.98	22.65	PK
10600	42.54	-2.20	H	40.34	53.98	13.64	AV
15900	54.48	-2.90	H	51.58	73.98	22.40	PK
15900	38.33	-2.90	H	35.43	53.98	18.55	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	51.15	-2.52	V	48.63	73.98	25.35	PK
10640	41.15	-2.52	V	38.63	53.98	15.35	AV
15960	54.38	-3.40	V	50.98	73.98	23.00	PK
15960	38.66	-3.40	V	35.26	53.98	18.72	AV
10640	52.82	-2.52	H	50.30	73.98	23.68	PK
10640	41.28	-2.52	H	38.76	53.98	15.22	AV
15960	51.76	-3.40	H	48.36	73.98	25.62	PK
15960	38.60	-3.40	H	35.20	53.98	18.78	AV

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	51.97	-1.76	V	50.21	73.98	23.77	PK
11000	39.67	-1.76	V	37.91	53.98	16.07	AV
16500	51.54	-1.31	V	50.23	68.20	17.97	PK
11000	52.23	-1.76	H	50.47	73.98	23.51	PK
11000	40.01	-1.76	H	38.25	53.98	15.73	AV
16500	55.10	-1.31	H	53.79	68.20	14.41	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	51.68	-2.55	V	49.13	73.98	24.85	PK
11160	39.11	-2.55	V	36.56	53.98	17.42	AV
16740	57.11	0.48	V	57.59	68.20	10.61	PK
11160	51.23	-2.55	H	48.68	73.98	25.30	PK
11160	38.98	-2.55	H	36.43	53.98	17.55	AV
16740	58.13	0.48	H	58.61	68.20	9.59	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	52.09	-2.12	V	49.97	73.98	24.01	PK
11440	41.29	-2.12	V	39.17	53.98	14.81	AV
17160	55.01	1.29	V	56.30	68.20	11.90	PK
11440	51.68	-2.12	H	49.56	73.98	24.42	PK
11440	40.55	-2.12	H	38.43	53.98	15.55	AV
17160	53.79	1.29	H	55.08	68.20	13.12	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	51.70	-2.83	V	48.87	73.98	25.11	PK
11490	40.85	-2.83	V	38.02	53.98	15.96	AV
17235	50.94	1.75	V	52.69	68.20	15.52	PK
11490	51.87	-2.83	H	49.04	73.98	24.94	PK
11490	40.99	-2.83	H	38.16	53.98	15.82	AV
17235	51.35	1.75	H	53.10	68.20	15.11	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	51.74	-2.62	V	49.12	73.98	24.86	PK
11570	41.55	-2.62	V	38.93	53.98	15.05	AV
17355	51.14	2.90	V	54.04	68.20	14.17	PK
11570	52.82	-2.62	H	50.20	73.98	23.78	PK
11570	41.93	-2.62	H	39.31	53.98	14.67	AV
17355	51.43	2.90	H	54.33	68.20	13.88	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	51.25	-2.26	V	48.99	73.98	24.99	PK
11650	40.65	-2.26	V	38.39	53.98	15.59	AV
17475	50.36	4.60	V	54.96	68.20	13.24	PK
11650	52.31	-2.46	H	49.85	73.98	24.13	PK
11650	40.93	-2.46	H	38.47	53.98	15.51	AV
17475	50.91	4.60	H	55.51	68.20	12.69	PK

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	51.99	-3.13	V	48.86	68.20	19.34	PK
15570	51.12	-2.26	V	48.86	73.98	25.12	PK
15570	38.19	-2.26	V	35.93	53.98	18.05	AV
10380	53.74	-3.13	H	50.61	68.20	17.59	PK
15570	52.08	-2.26	H	49.82	73.98	24.16	PK
15570	38.42	-2.26	H	36.16	53.98	17.82	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	52.32	-3.08	V	49.24	68.20	18.96	PK
15690	51.04	-3.24	V	47.80	73.98	26.18	PK
15690	38.24	-3.24	V	35.00	53.98	18.98	AV
10460	53.88	-3.08	H	50.80	68.20	17.40	PK
15690	52.11	-3.24	H	48.87	73.98	25.11	PK
15690	38.59	-3.24	H	35.35	53.98	18.63	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	53.70	-2.71	V	50.99	68.20	17.21	PK
15810	50.73	-2.77	V	47.96	73.98	26.02	PK
15810	38.21	-2.77	V	35.44	53.98	18.54	AV
10540	51.37	-2.71	H	48.66	68.20	19.54	PK
15810	49.92	-2.77	H	47.15	73.98	26.83	PK
15810	38.03	-2.77	H	35.26	53.98	18.72	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	52.00	-2.37	V	49.63	73.98	24.35	PK
10620	41.45	-2.37	V	39.08	53.98	14.90	AV
15930	52.38	-2.43	V	49.95	73.98	24.03	PK
15930	38.49	-2.43	V	36.06	53.98	17.92	AV
10620	53.77	-2.37	H	51.40	73.98	22.58	PK
10620	42.49	-2.37	H	40.12	53.98	13.86	AV
15930	50.27	-2.43	H	47.84	73.98	26.14	PK
15930	38.15	-2.43	H	35.72	53.98	18.26	AV

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	50.88	-1.31	V	49.57	73.98	24.41	PK
11020	39.74	-1.31	V	38.43	53.98	15.55	AV
16530	49.84	-0.96	V	48.88	68.20	19.32	PK
11020	51.81	-1.31	H	50.50	73.98	23.48	PK
11020	40.36	-1.31	H	39.05	53.98	14.93	AV
16530	51.85	-0.96	H	50.89	68.20	17.31	PK

Band : UNII 2C
 Operation Mode: 802.11 n(HT40)
 Transfer MCS Index: MCS0
 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	53.01	-1.32	V	51.69	73.98	22.29	PK
11100	40.51	-1.32	V	39.19	53.98	14.79	AV
16650	51.91	-0.47	V	51.44	68.20	16.76	PK
11100	50.77	-1.32	H	49.45	73.98	24.53	PK
11100	40.15	-1.32	H	38.83	53.98	15.15	AV
16650	52.55	-0.47	H	52.08	68.20	16.12	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	52.32	-2.33	V	49.99	73.98	23.99	PK
11420	41.90	-2.33	V	39.57	53.98	14.41	AV
17130	51.43	2.04	V	53.47	68.20	14.73	PK
11420	52.16	-2.33	H	49.83	73.98	24.15	PK
11420	41.50	-2.33	H	39.17	53.98	14.81	AV
17130	50.57	2.04	H	52.61	68.20	15.59	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	52.26	-2.25	V	50.01	73.98	23.97	PK
11510	42.27	-2.25	V	40.02	53.98	13.96	AV
17265	50.09	2.85	V	52.94	68.20	15.27	PK
11510	53.22	-2.25	H	50.97	73.98	23.01	PK
11510	42.48	-2.25	H	40.23	53.98	13.75	AV
17265	50.23	2.85	H	53.08	68.20	15.13	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	51.55	-2.25	V	49.30	73.98	24.68	PK
11590	42.34	-2.25	V	40.09	53.98	13.89	AV
17385	50.36	3.54	V	53.90	68.20	14.30	PK
11590	53.04	-2.25	H	50.79	73.98	23.19	PK
11590	42.53	-2.25	H	40.28	53.98	13.70	AV
17385	51.27	3.54	H	54.81	68.20	13.39	PK

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	51.43	-3.13	V	48.30	68.20	19.90	PK
15570	51.46	-2.26	V	49.20	73.98	24.78	PK
15570	38.15	-2.26	V	35.89	53.98	18.09	AV
10380	54.02	-3.13	H	50.89	68.20	17.31	PK
15570	52.55	-2.26	H	50.29	73.98	23.69	PK
15570	38.33	-2.26	H	36.07	53.98	17.91	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	52.54	-3.08	V	49.46	68.20	18.74	PK
15690	51.87	-3.24	V	48.63	73.98	25.35	PK
15690	38.54	-3.24	V	35.30	53.98	18.68	AV
10460	53.98	-3.08	H	50.90	68.20	17.30	PK
15690	52.56	-3.24	H	49.32	73.98	24.66	PK
15690	38.66	-3.24	H	35.42	53.98	18.56	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	53.98	-2.71	V	51.27	68.20	16.93	PK
15810	50.51	-2.77	V	47.74	73.98	26.24	PK
15810	38.33	-2.77	V	35.56	53.98	18.42	AV
10540	51.55	-2.71	H	48.84	68.20	19.36	PK
15810	50.12	-2.77	H	47.35	73.98	26.63	PK
15810	38.19	-2.77	H	35.42	53.98	18.56	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	52.65	-2.37	V	50.28	73.98	23.70	PK
10620	41.60	-2.37	V	39.23	53.98	14.75	AV
15930	52.19	-2.43	V	49.76	73.98	24.22	PK
15930	38.55	-2.43	V	36.12	53.98	17.86	AV
10620	53.60	-2.37	H	51.23	73.98	22.75	PK
10620	42.68	-2.37	H	40.31	53.98	13.67	AV
15930	51.79	-2.43	H	49.36	73.98	24.62	PK
15930	38.19	-2.43	H	35.76	53.98	18.22	AV

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	50.92	-1.31	V	49.61	73.98	24.37	PK
11020	39.80	-1.31	V	38.49	53.98	15.49	AV
16530	51.11	-0.96	V	50.15	68.20	18.05	PK
11020	51.73	-1.31	H	50.42	73.98	23.56	PK
11020	40.20	-1.31	H	38.89	53.98	15.09	AV
16530	51.88	-0.96	H	50.92	68.20	17.28	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

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	53.50	-1.32	V	52.18	73.98	21.80	PK
11100	40.63	-1.32	V	39.31	53.98	14.67	AV
16650	52.10	-0.47	V	51.63	68.20	16.57	PK
11100	51.19	-1.32	H	49.87	73.98	24.11	PK
11100	40.24	-1.32	H	38.92	53.98	15.06	AV
16650	52.89	-0.47	H	52.42	68.20	15.78	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	52.80	-2.33	V	50.47	73.98	23.51	PK
11420	41.94	-2.33	V	39.61	53.98	14.37	AV
17130	52.14	2.04	V	54.18	68.20	14.02	PK
11420	52.11	-2.33	H	49.78	73.98	24.20	PK
11420	41.44	-2.33	H	39.11	53.98	14.87	AV
17130	51.50	2.04	H	53.54	68.20	14.66	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	52.98	-2.25	V	50.73	73.98	23.25	PK
11510	42.35	-2.25	V	40.10	53.98	13.88	AV
17265	51.11	2.85	V	53.96	68.20	14.25	PK
11510	53.50	-2.25	H	51.25	73.98	22.73	PK
11510	42.44	-2.25	H	40.19	53.98	13.79	AV
17265	51.27	2.85	H	54.12	68.20	14.09	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	51.74	-2.25	V	49.49	73.98	24.49	PK
11590	42.18	-2.25	V	39.93	53.98	14.05	AV
17385	50.10	3.54	V	53.64	68.20	14.56	PK
11590	52.88	-2.25	H	50.63	73.98	23.35	PK
11590	42.60	-2.25	H	40.35	53.98	13.63	AV
17385	51.00	3.54	H	54.54	68.20	13.66	PK

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	51.54	-2.34	V	49.20	68.20	19.00	PK
15630	51.79	-3.11	V	48.68	73.98	25.30	PK
15630	38.77	-3.11	V	35.66	53.98	18.32	AV
10420	52.97	-2.34	H	50.63	68.20	17.57	PK
15630	52.15	-3.11	H	49.04	73.98	24.94	PK
15630	38.90	-3.11	H	35.79	53.98	18.19	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	53.50	-2.26	V	51.24	68.20	16.96	PK
15870	51.39	-2.52	V	48.87	73.98	25.11	PK
15870	39.00	-2.52	V	36.48	53.98	17.50	AV
10580	53.30	-2.26	H	51.04	68.20	17.16	PK
15870	51.40	-2.52	H	48.88	73.98	25.10	PK
15870	39.14	-2.52	H	36.62	53.98	17.36	AV

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	52.81	-1.57	V	51.24	73.98	22.74	PK
11060	41.11	-1.57	V	39.54	53.98	14.44	AV
16590	50.44	-1.06	V	49.38	68.20	18.82	PK
11060	53.34	-1.57	H	51.77	73.98	22.21	PK
11060	41.40	-1.57	H	39.83	53.98	14.15	AV
16590	52.25	-1.06	H	51.19	68.20	17.01	PK

Band : UNII 2C
 Operation Mode: 802.11 ac(VHT80)
 Transfer MCS Index: MCS0
 Operating Frequency 5690 MHz
 Channel No. 138 Ch

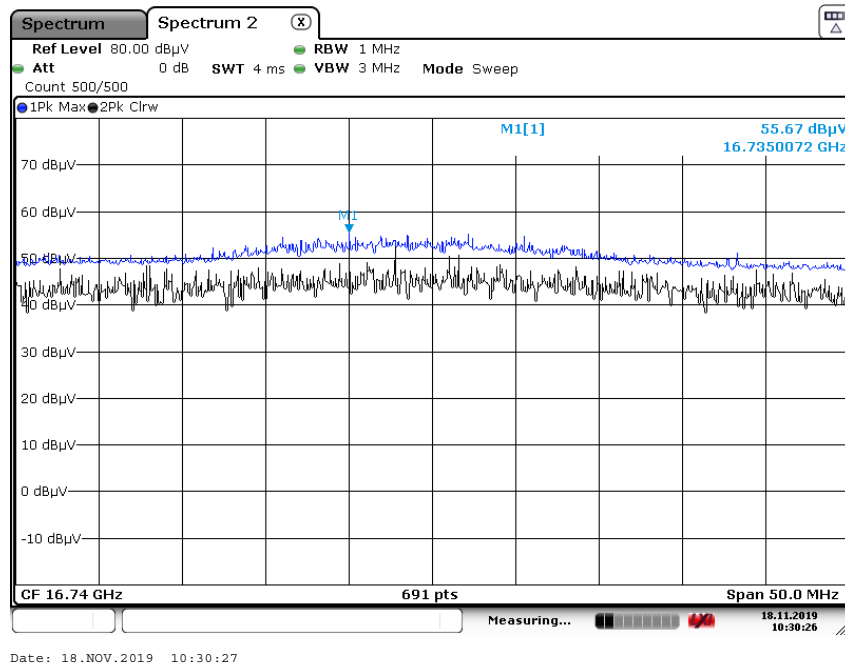
Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	52.50	-2.53	V	49.97	73.98	24.01	PK
11380	42.33	-2.53	V	39.80	53.98	14.18	AV
17070	50.86	1.26	V	52.12	68.20	16.08	PK
11380	51.76	-2.53	H	49.23	73.98	24.75	PK
11380	41.99	-2.53	H	39.46	53.98	14.52	AV
17070	50.17	1.26	H	51.43	68.20	16.77	PK

Band : UNII 3
 Operation Mode: 802.11 ac(VHT80)
 Transfer MCS Index: MCS0
 Operating Frequency 5775 MHz
 Channel No. 155 Ch

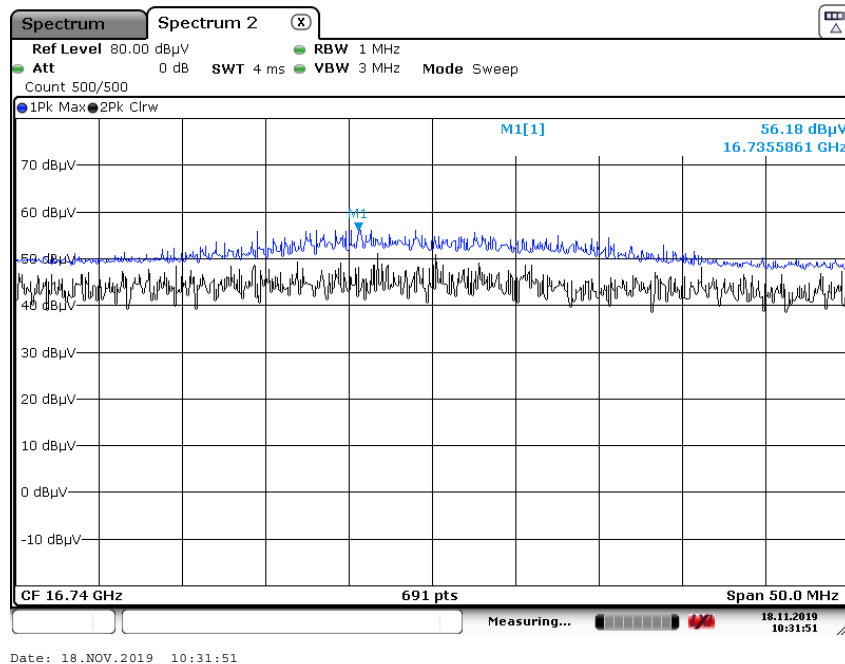
Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	52.23	-1.77	V	50.46	73.98	23.52	PK
11550	43.10	-1.77	V	41.33	53.98	12.65	AV
17325	49.98	3.11	V	53.09	68.20	15.12	PK
11550	53.85	-1.77	H	52.08	73.98	21.90	PK
11550	43.91	-1.77	H	42.14	53.98	11.84	AV
17325	50.66	3.11	H	53.77	68.20	14.44	PK

Test Plots

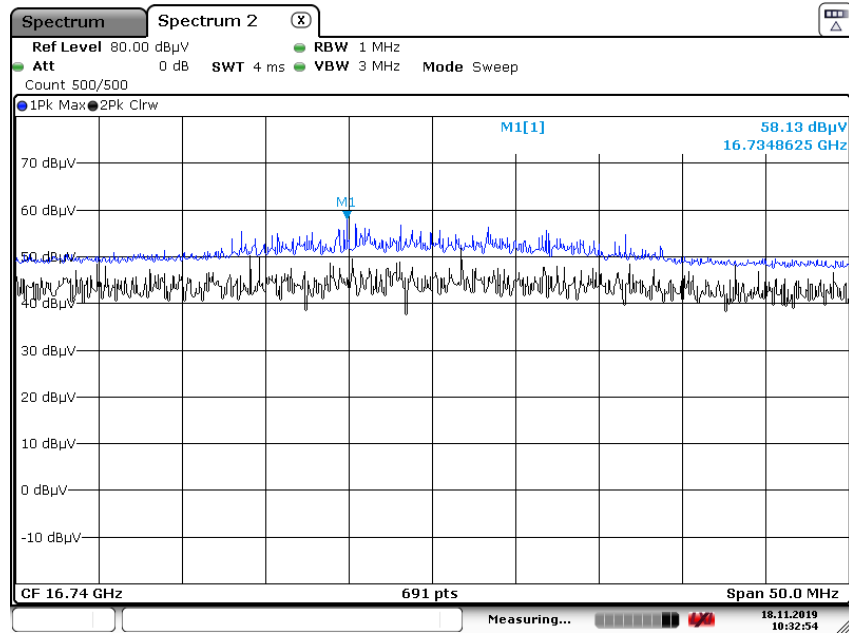
Peak Reading (802.11a, Ch.116 3rd Harmonic, X-H)



Peak Reading (802.11n (HT20), Ch.116 3rd Harmonic, X-H)

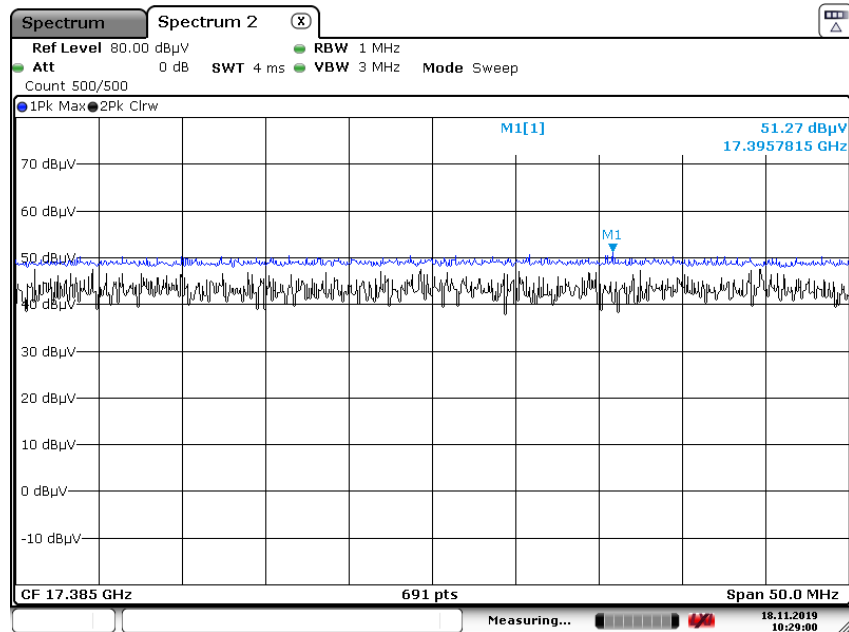


Peak Reading (802.11ac (VHT20), Ch.116 3rd Harmonic, X-H)



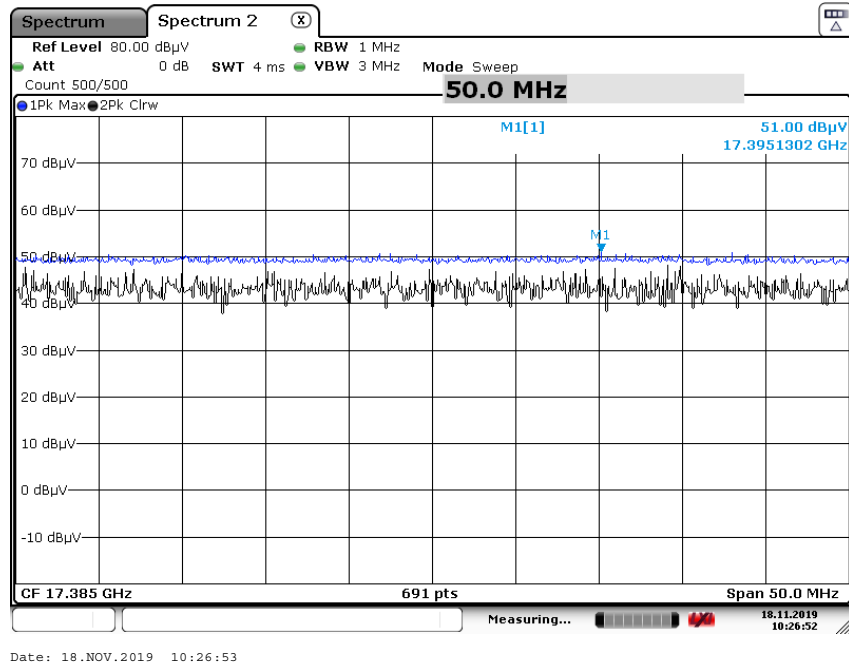
Date: 18.NOV.2019 10:32:54

Peak Reading (802.11n (HT40), Ch.159 3rd Harmonic, X-H)

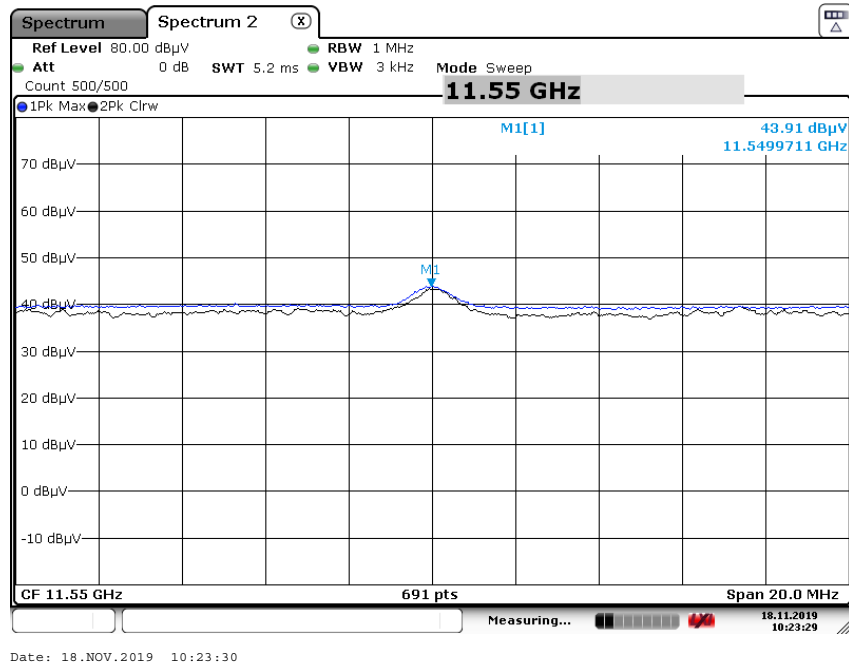


Date: 18.NOV.2019 10:29:01

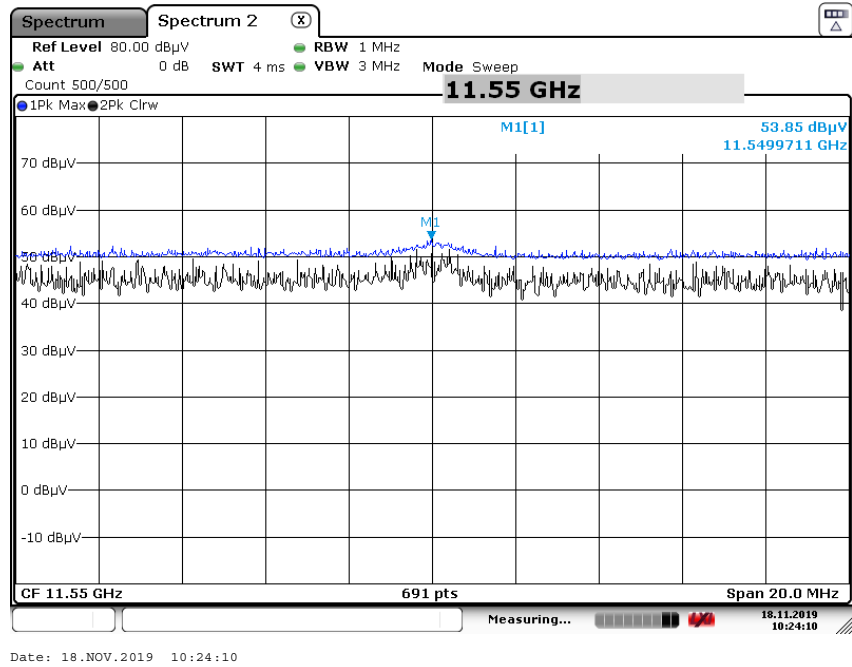
Peak Reading (802.11ac (VHT40), Ch.159 3rd Harmonic, X-H)



Average Reading (802.11ac (VHT80), Ch.155 2nd Harmonic, X-H)



Peak Reading (802.11ac (VHT80), Ch.155 2nd Harmonic, X-H)



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	50.28	3.37	H	53.65	73.98	20.33	PK
5150	38.34	3.37	H	41.71	53.98	12.27	AV
5150	49.63	3.37	V	53.00	73.98	20.98	PK
5150	37.35	3.37	V	40.72	53.98	13.26	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	51.29	3.99	H	55.28	73.98	18.70	PK
5350	38.62	3.99	H	42.61	53.98	11.37	AV
5350	49.96	3.99	V	53.95	73.98	20.03	PK
5350	37.37	3.99	V	41.36	53.98	12.62	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	49.13	5.03	H	54.16	73.98	19.82	PK
5460	36.28	5.03	H	41.31	53.98	12.67	AV
5470	49.77	5.34	H	55.11	68.20	13.09	PK
5460	48.23	5.03	V	53.26	73.98	20.72	PK
5460	36.19	5.03	V	41.22	53.98	12.76	AV
5470	49.63	5.34	V	54.97	68.20	13.23	PK

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	49.74	3.37	H	53.11	73.98	20.87	PK
5150	38.60	3.37	H	41.97	53.98	12.01	AV
5150	49.11	3.37	V	52.48	73.98	21.50	PK
5150	38.02	3.37	V	41.39	53.98	12.59	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	51.53	3.99	H	55.52	73.98	18.46	PK
5350	38.36	3.99	H	42.35	53.98	11.63	AV
5350	49.75	3.99	V	53.74	73.98	20.24	PK
5350	37.40	3.99	V	41.39	53.98	12.59	AV

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	48.64	5.03	H	53.67	73.98	20.31	PK
5460	36.30	5.03	H	41.33	53.98	12.65	AV
5470	49.53	5.34	H	54.87	68.20	13.33	PK
5460	47.60	5.03	V	52.63	73.98	21.35	PK
5460	36.10	5.03	V	41.13	53.98	12.85	AV
5470	49.33	5.34	V	54.67	68.20	13.53	PK

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	49.53	3.37	H	52.90	73.98	21.08	PK
5150	38.58	3.37	H	41.95	53.98	12.03	AV
5150	46.88	3.37	V	50.25	73.98	23.73	PK
5150	37.94	3.37	V	41.31	53.98	12.67	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	49.96	3.99	H	53.95	73.98	20.03	PK
5350	38.26	3.99	H	42.25	53.98	11.73	AV
5350	49.55	3.99	V	53.54	73.98	20.44	PK
5350	37.42	3.99	V	41.41	53.98	12.57	AV

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	48.50	5.03	H	53.53	73.98	20.45	PK
5460	36.13	5.03	H	41.16	53.98	12.82	AV
5470	50.09	5.34	H	55.43	68.20	12.77	PK
5460	48.25	5.03	V	53.28	73.98	20.70	PK
5460	36.06	5.03	V	41.09	53.98	12.89	AV
5470	48.91	5.34	V	54.25	68.20	13.95	PK

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	49.32	3.37	H	52.69	73.98	21.29	PK
5150	38.38	3.37	H	41.75	53.98	12.23	AV
5150	47.79	3.37	V	51.16	73.98	22.82	PK
5150	37.95	3.37	V	41.32	53.98	12.66	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	50.14	3.99	H	54.13	73.98	19.85	PK
5350	38.18	3.99	H	42.17	53.98	11.81	AV
5350	49.68	3.99	V	53.67	73.98	20.31	PK
5350	37.86	3.99	V	41.85	53.98	12.13	AV

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	48.83	5.03	H	53.86	73.98	20.12	PK
5460	36.69	5.03	H	41.72	53.98	12.26	AV
5470	49.68	5.34	H	55.02	68.20	13.18	PK
5460	50.27	5.03	V	55.3	73.98	18.68	PK
5460	36.76	5.03	V	41.79	53.98	12.19	AV
5470	51.88	5.34	V	57.22	68.20	10.98	PK

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	50.28	3.37	H	53.65	73.98	20.33	PK
5150	38.10	3.37	H	41.47	53.98	12.51	AV
5150	49.04	3.37	V	52.41	73.98	21.57	PK
5150	37.62	3.37	V	40.99	53.98	12.99	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	49.89	3.99	H	53.88	73.98	20.10	PK
5350	38.09	3.99	H	42.08	53.98	11.90	AV
5350	48.93	3.99	V	52.92	73.98	21.06	PK
5350	37.78	3.99	V	41.77	53.98	12.21	AV

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	48.54	5.03	H	53.57	73.98	20.41	PK
5460	36.50	5.03	H	41.53	53.98	12.45	AV
5470	51.11	5.34	H	56.45	68.20	11.75	PK
5460	48.99	5.03	V	54.02	73.98	19.96	PK
5460	36.71	5.03	V	41.74	53.98	12.24	AV
5470	51.89	5.34	V	57.23	68.20	10.97	PK

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	51.27	3.37	H	54.64	73.98	19.34	PK
5150	40.50	3.37	H	43.87	53.98	10.11	AV
5150	50.55	3.37	V	53.92	73.98	20.06	PK
5150	40.01	3.37	V	43.38	53.98	10.60	AV

Band : UNII 2A

Operation Mode: 802.11 ac_VHT80

Transfer MCS Index: 0

Operating Frequency 5290 MHz

Channel No. 58 Ch

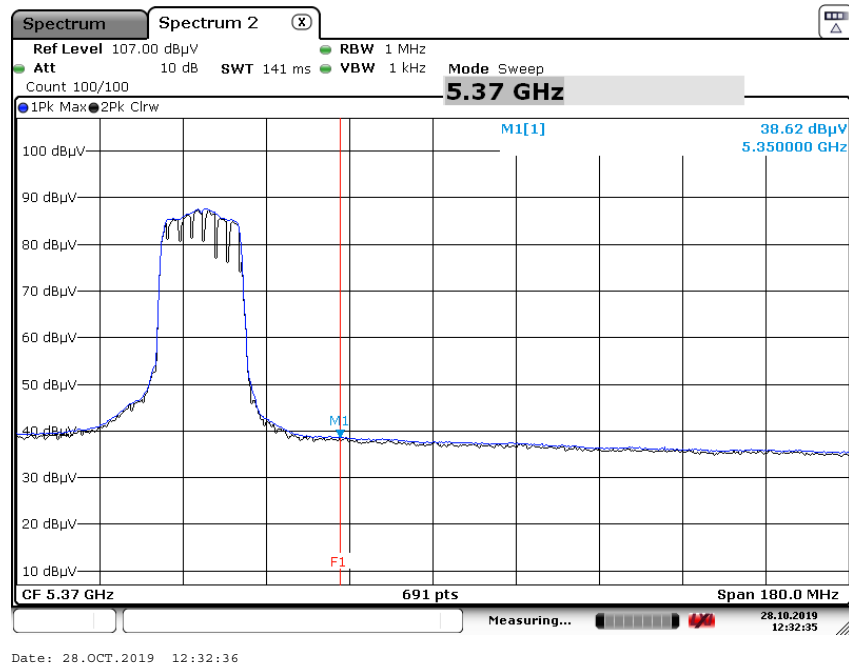
Frequency [MHz]	Reading dBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	52.22	3.99	H	56.21	73.98	17.77	PK
5350	39.25	3.99	H	43.24	53.98	10.74	AV
5350	51.49	3.99	V	55.48	73.98	18.50	PK
5350	38.88	3.99	V	42.87	53.98	11.11	AV

Band : UNII 2C
 Operation Mode: 802.11 ac_VHT80
 Transfer MCS Index: 0
 Operating Frequency 5530 MHz
 Channel No. 106 Ch

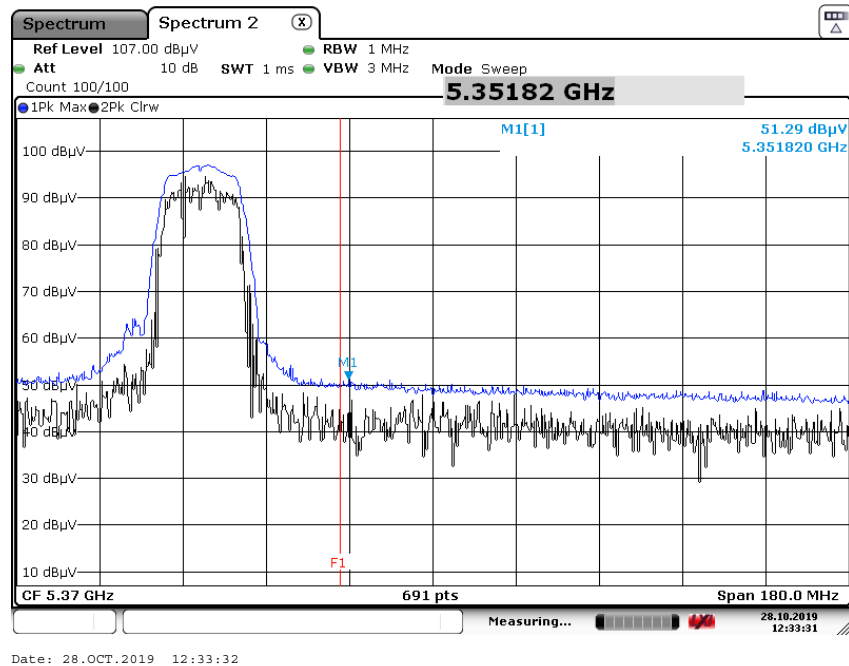
Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBUV/m]	Limit [dBUV/m]	Margin [dB]	Measurement Type
5460	49.37	5.03	H	54.40	73.98	19.58	PK
5460	36.91	5.03	H	41.94	53.98	12.04	AV
5470	50.08	5.34	H	55.42	68.20	12.78	PK
5460	48.22	5.03	V	53.25	73.98	20.73	PK
5460	36.88	5.03	V	41.91	53.98	12.07	AV
5470	48.93	5.34	V	54.27	68.20	13.93	PK

▣ Test Plots(UNII 1, 2A, 2C)

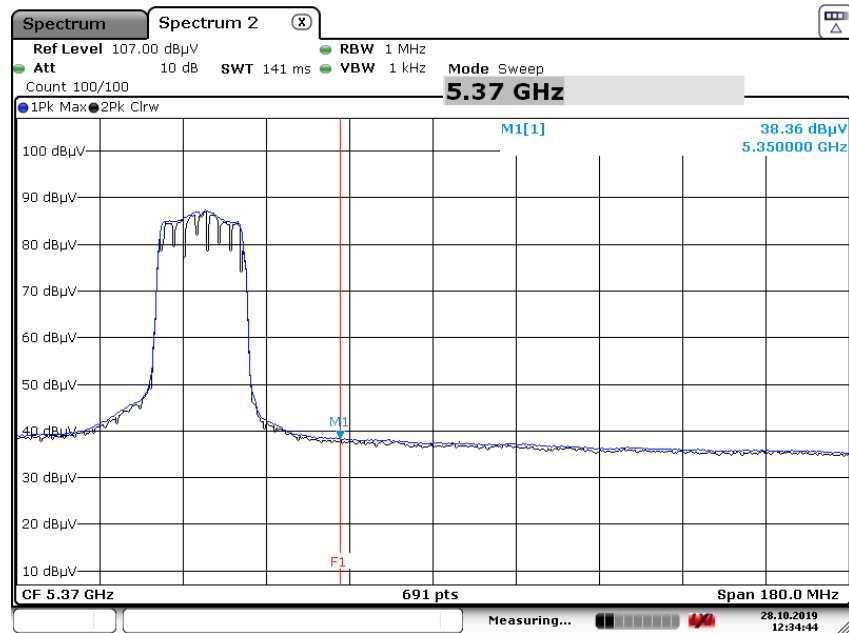
Average Reading (802.11a, Ch.64 , X-H)



Peak Reading (802.11a, Ch.64, X-H)

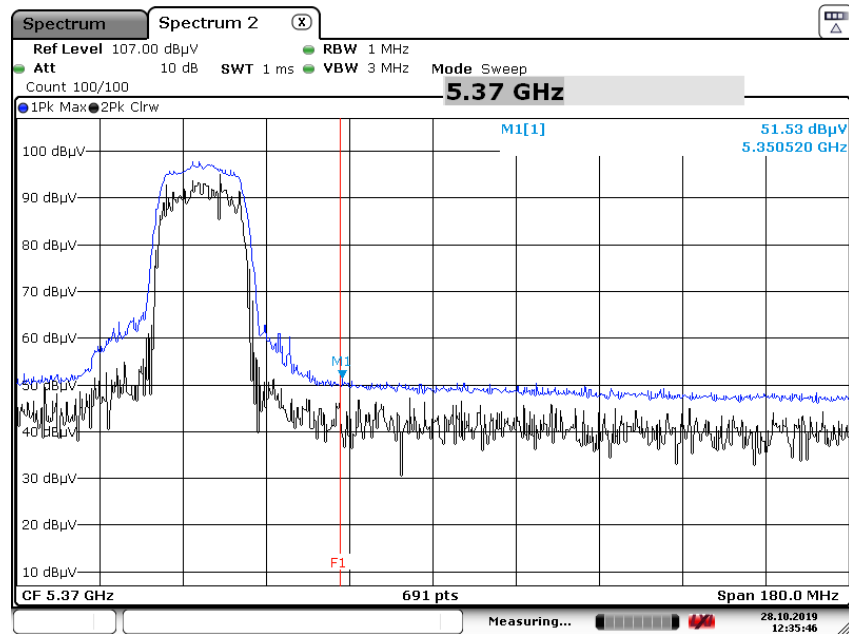


Average Reading (802.11n_HT20, Ch.64, X-H)



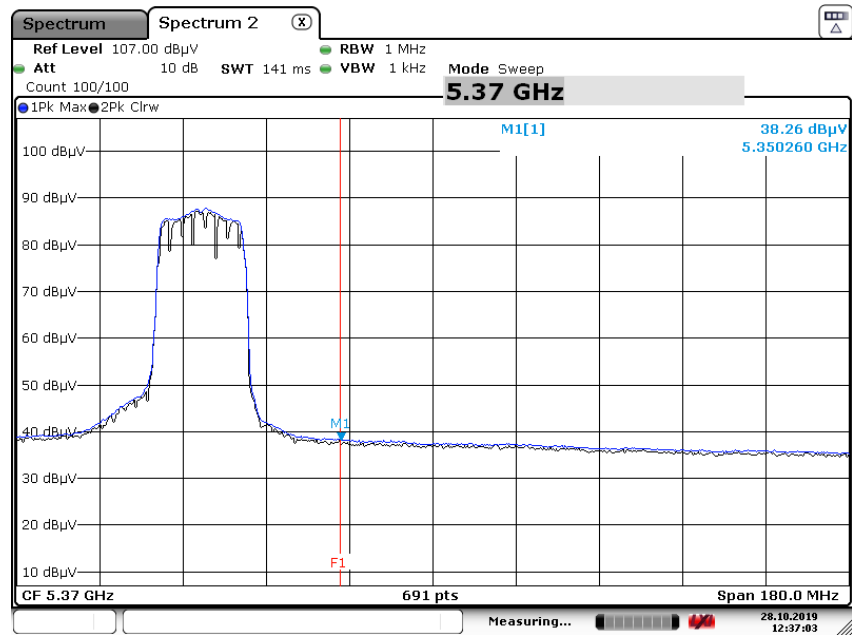
Date: 28.OCT.2019 12:34:45

Peak Reading (802.11n_HT20, Ch.64, X-H)



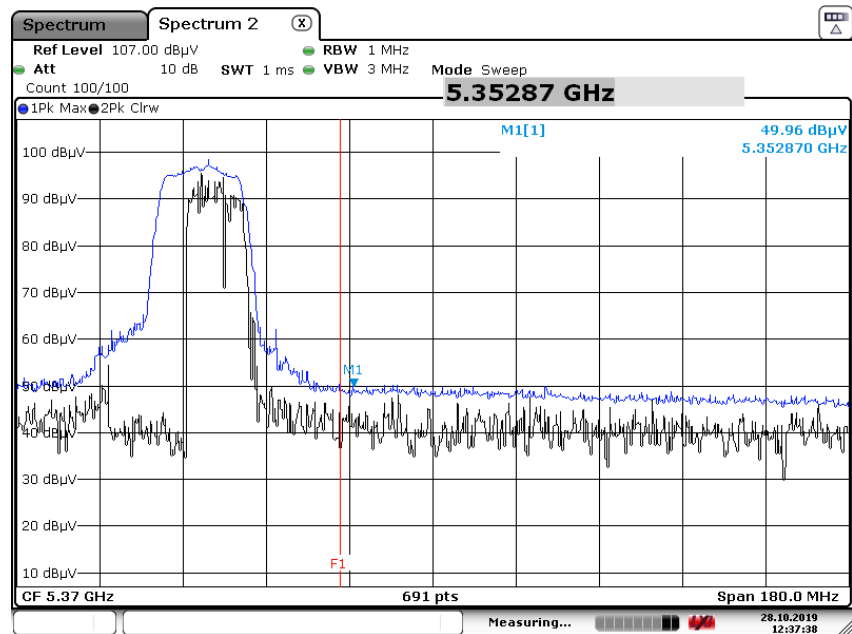
Date: 28.OCT.2019 12:35:47

Average Reading (802.11ac_VHT20, Ch.64, X-H)



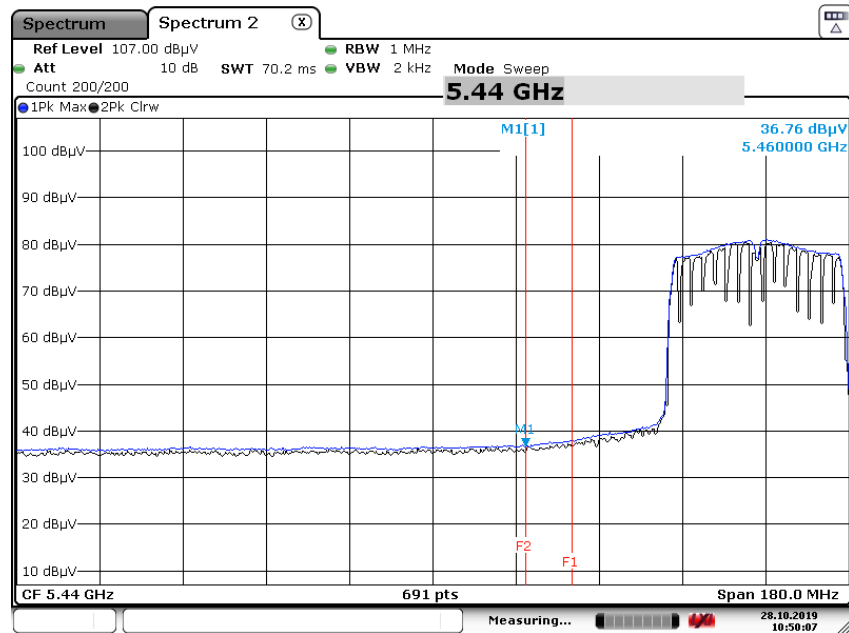
Date: 28.OCT.2019 12:37:03

Peak Reading (802.11ac_VHT20, Ch.64, X-H)



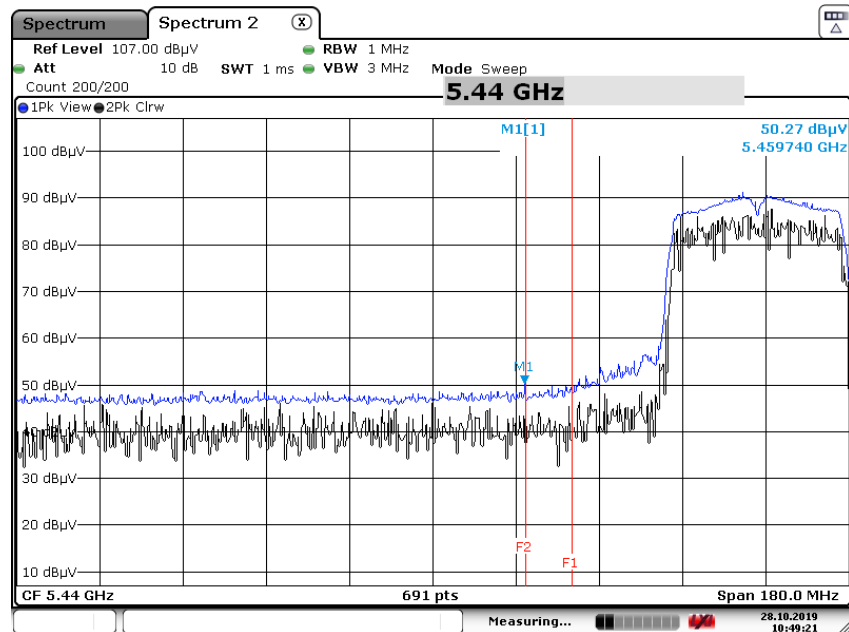
Date: 28.OCT.2019 12:37:37

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



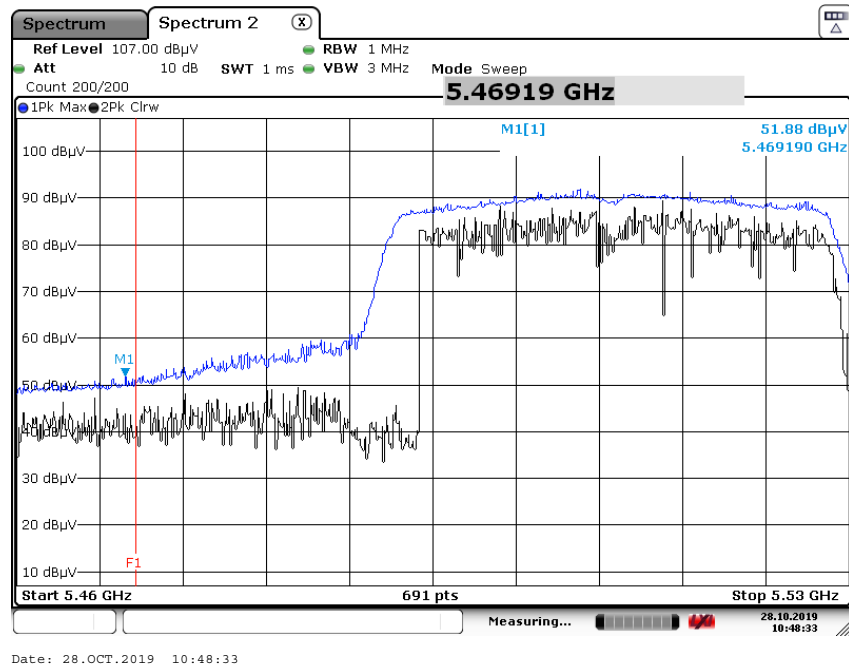
Date: 28.OCT.2019 10:50:07

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

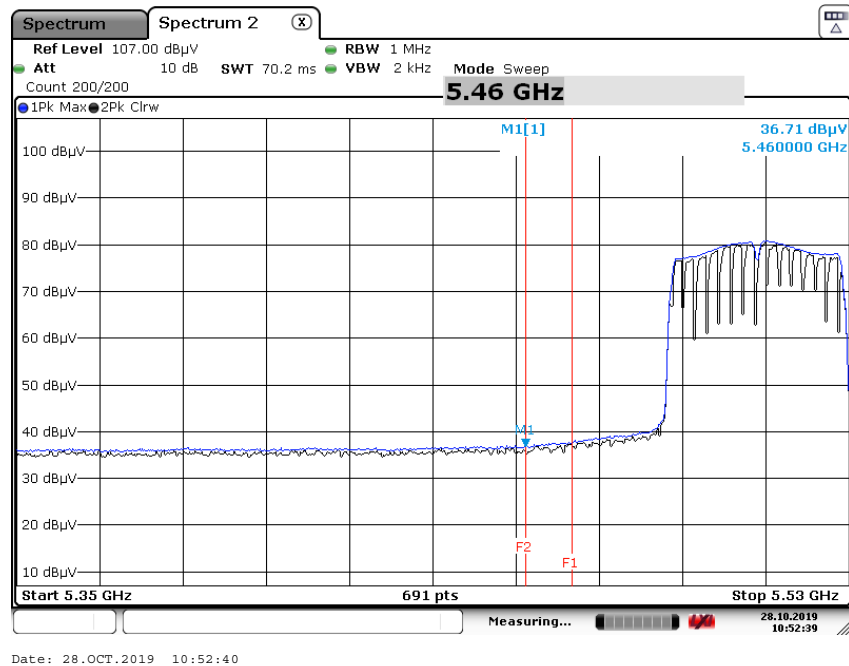


Date: 28.OCT.2019 10:49:22

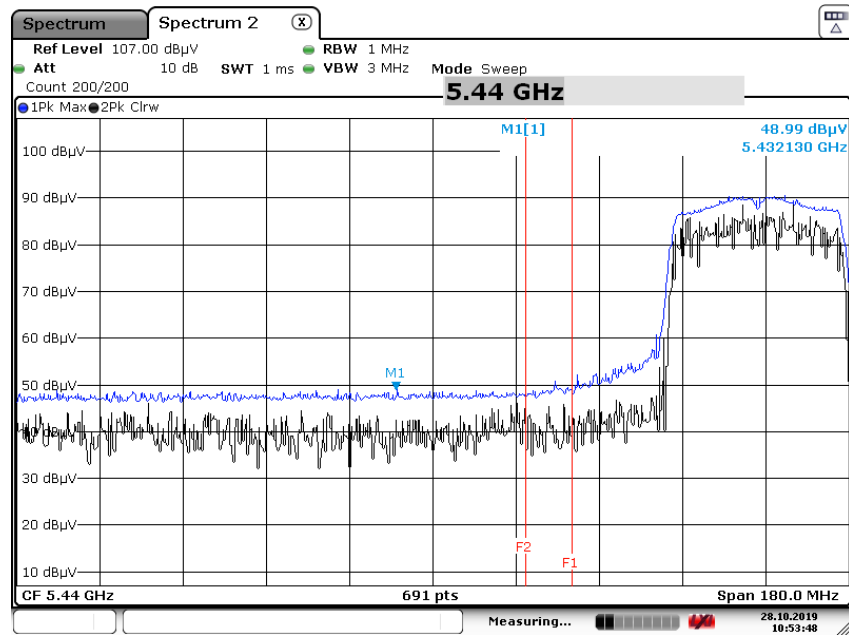
Peak Reading (802.11n_HT40, Ch.102, X-V)



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

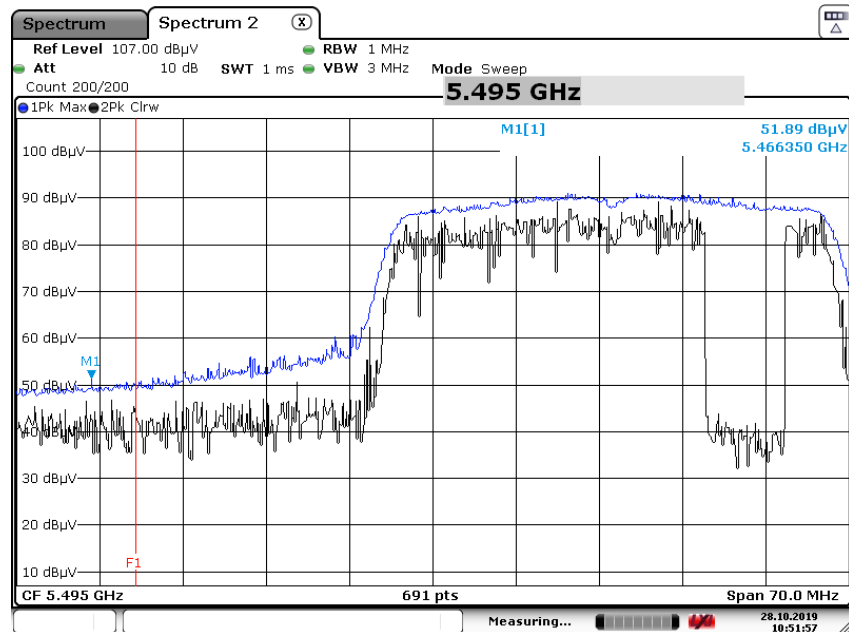


Peak Reading (802.11ac_VHT40, Ch.102, X-V)



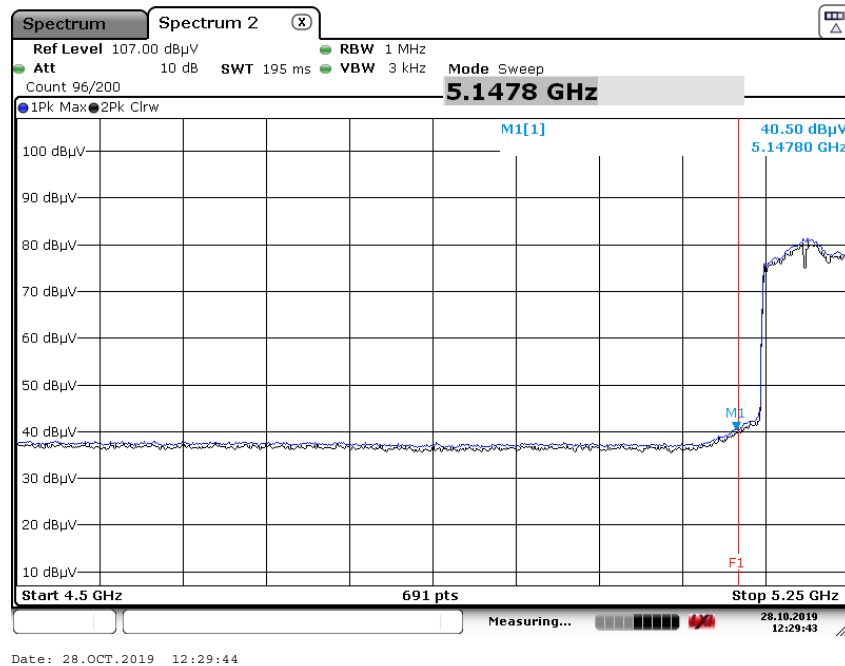
Date: 28.OCT.2019 10:53:49

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

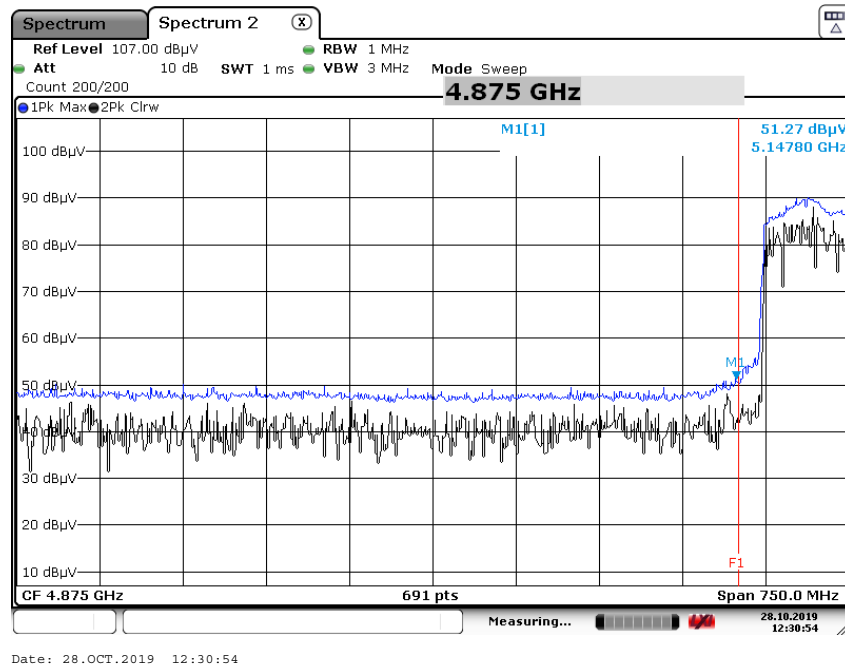


Date: 28.OCT.2019 10:51:58

Average Reading (802.11ac_VHT80, Ch.42, X-H)



Peak Reading (802.11ac_VHT80, Ch.42, X-H)

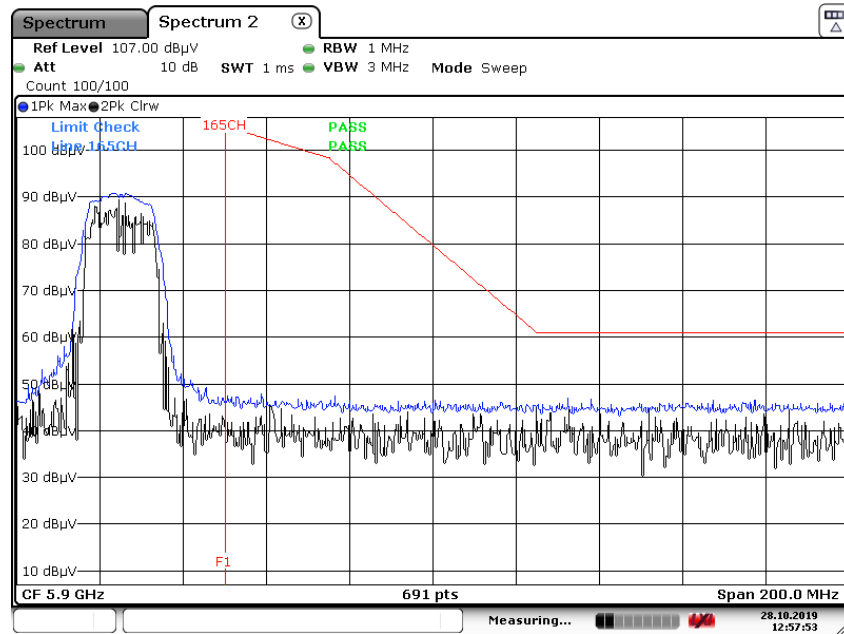


Note :

Only the worst case plots for Radiated Restricted Band Edge.

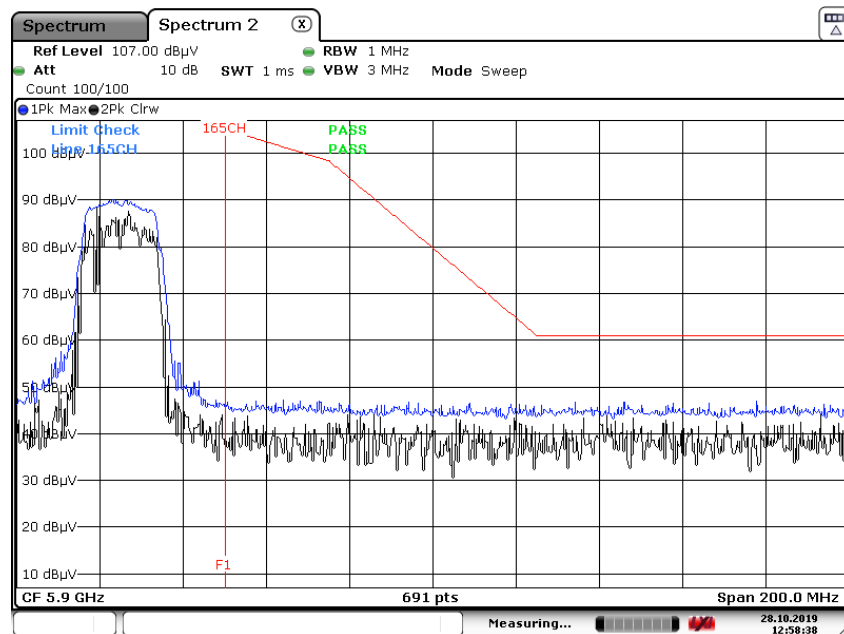
Test Plots(UNII 3)

Peak Reading (802.11a, Ch.165, X-H)



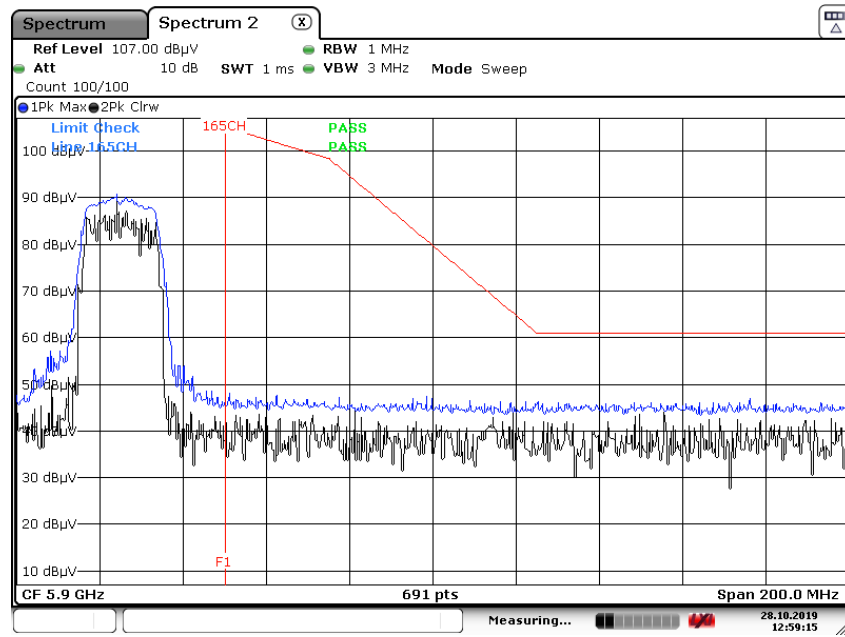
Date: 28.OCT.2019 12:57:53

Peak Reading (802.11n_HT20, Ch.165, X-H)



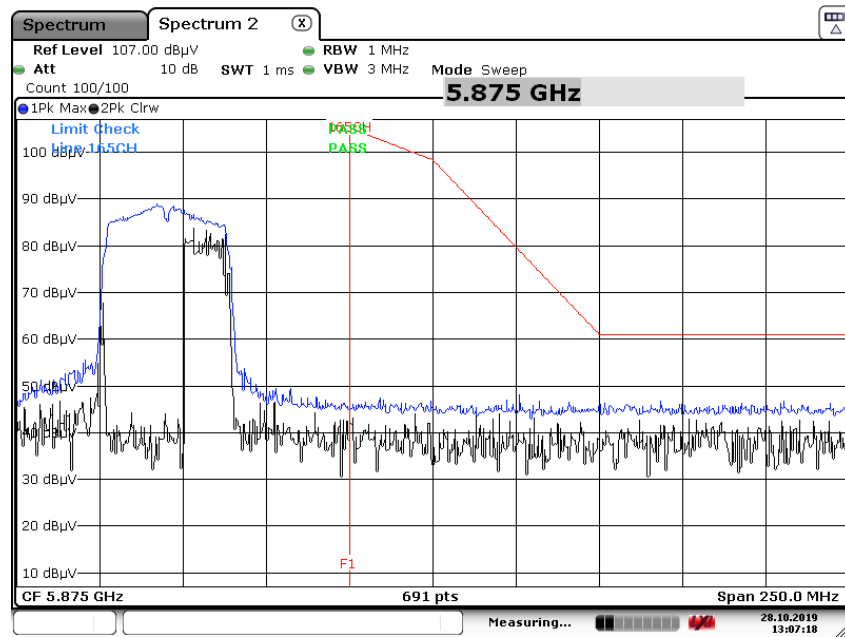
Date: 28.OCT.2019 12:58:37

Peak Reading (802.11ac_VHT20, Ch.165, X-H)



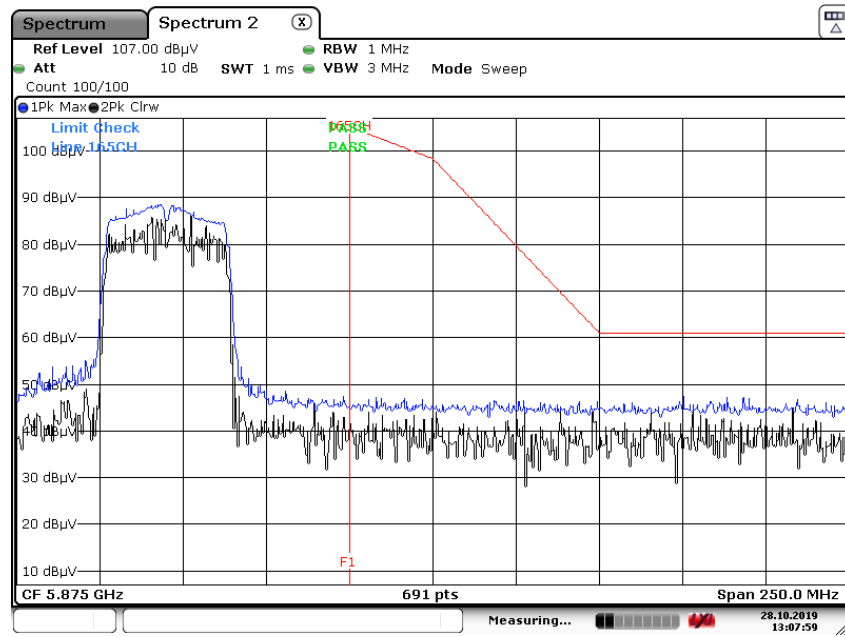
Date: 28.OCT.2019 12:59:14

Peak Reading (802.11n_HT40, Ch.159, X-H)



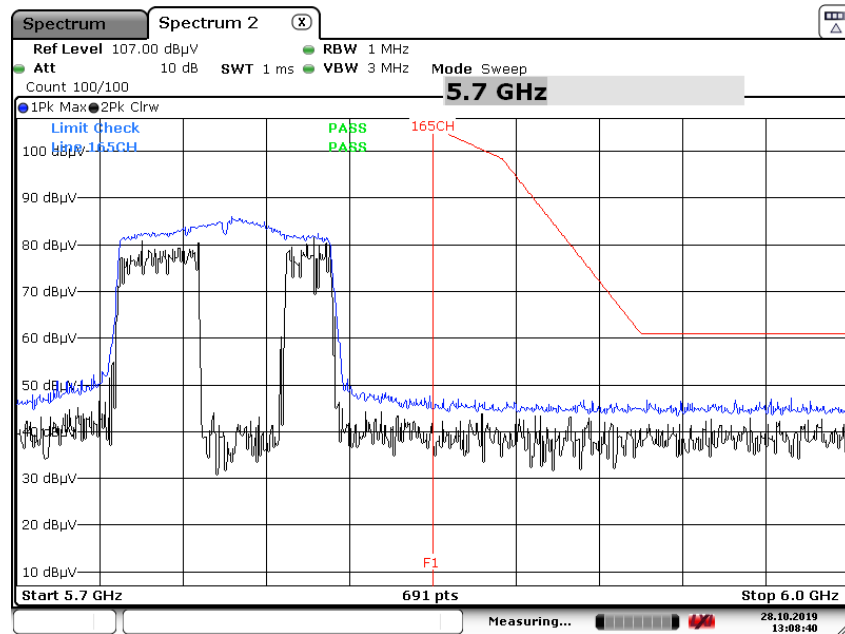
Date: 28.OCT.2019 13:07:18

Peak Reading (802.11ac_VHT40, Ch.159, X-H)



Date: 28.OCT.2019 13:07:59

Peak Reading (802.11ac_VHT80, Ch.155, X-H)



Date: 28.OCT.2019 13:08:40

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	06/18/2019	Annual	100033
ESPAC	SU-642 / Temperature Chamber	03/12/2019	Annual	0093008124
Agilent	N9020A / Signal Analyzer	05/23/2019	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	01/10/2019	Annual	MY49431210
Rohde & Schwarz	OSP 120 / Power Measurement Set	07/24/2019	Annual	101231
Agilent	N1911A / Power Meter	04/10/2019	Annual	MY45100523
Agilent	N1921A / Power Sensor	04/10/2019	Annual	MY52260025
Agilent	87300B / Directional Coupler	11/11/2019	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	05/24/2019	Annual	05001
Hewlett Packard	E3632A / DC Power Supply	06/18/2019	Annual	KR75303960
Agilent	8493C / Attenuator(10 dB)	07/02/2019	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

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	03/22/2019	Biennial	760
Schwarzbeck	VULB 9160 / TRILOG Antenna	08/09/2018	Biennial	9160-3368
Schwarzbeck	BBHA 9120D / Horn Antenna	04/29/2019	Biennial	9120D-937
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	12/04/2017	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	05/09/2019	Annual	100854
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/26/2019	Annual	101068-SZ
Agilent	N9020A / Signal Analyzer	05/23/2019	Annual	MY51110085
Wainwright Instruments	WHK3.0/18G-10EF / High Pass Filter	05/23/2019	Annual	8
Wainwright Instruments	WHKX7.0/18G-8SS / High Pass Filter	05/03/2019	Annual	29
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	06/19/2019	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	01/03/2019	Annual	2
Api tech.	18B-03 / Attenuator (3 dB)	06/04/2019	Annual	1
Agilent	8493C-10 / Attenuator(10 dB)	07/15/2019	Annual	08285
CERNEX	CBLU1183540 / Power Amplifier	07/01/2019	Annual	22964
CERNEX	CBL06185030 / Power Amplifier	07/01/2019	Annual	22965
CERNEX	CBL18265035 / Power Amplifier	01/03/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	06/18/2019	Annual	25956

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-1911-FC025-P