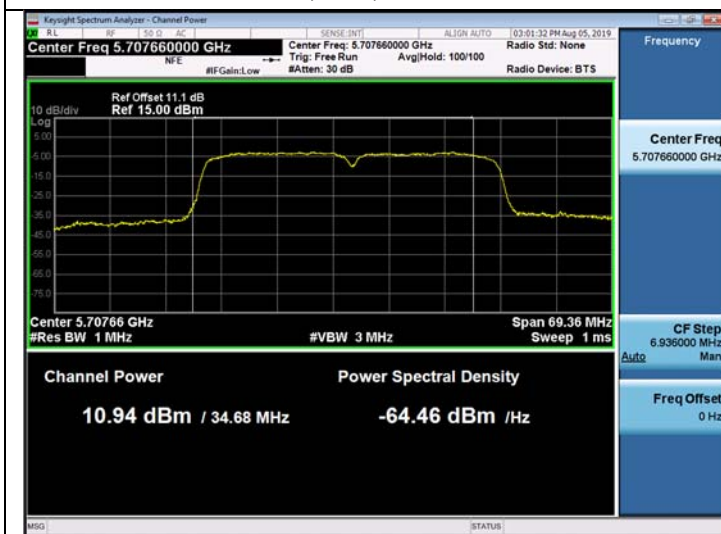


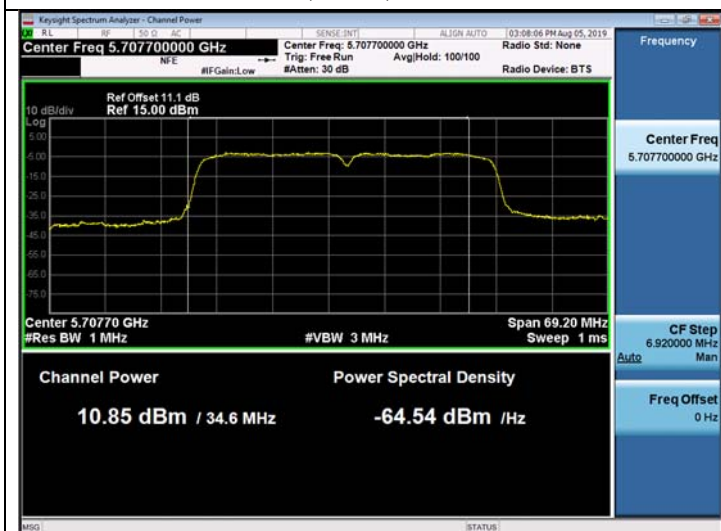
802.11n(HT40) UNII 2C Band



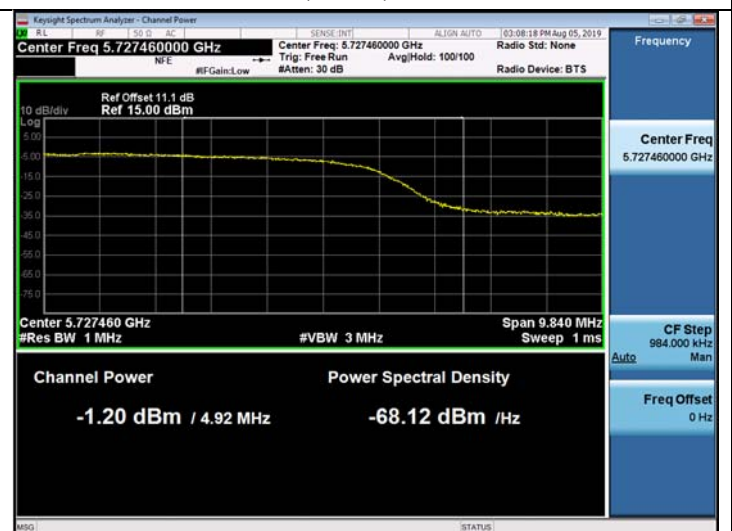
802.11n(HT40) UNII 3 Band



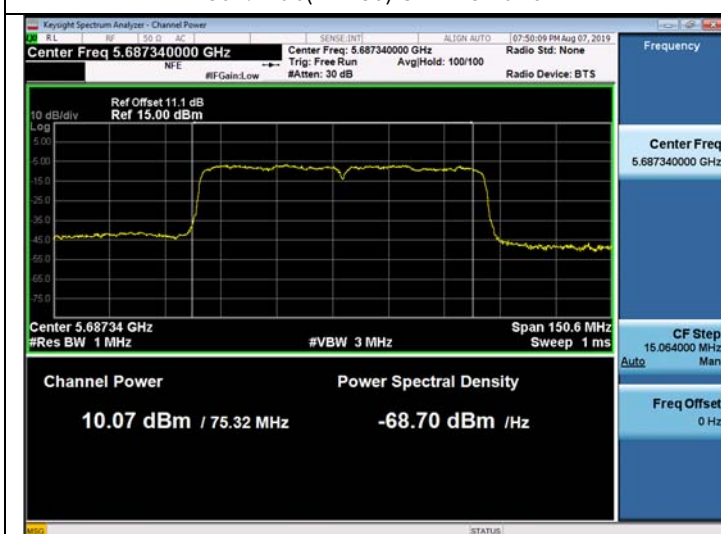
802.11ac(VHT40) UNII 2C Band



802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



10.7.4 Power Spectral Density

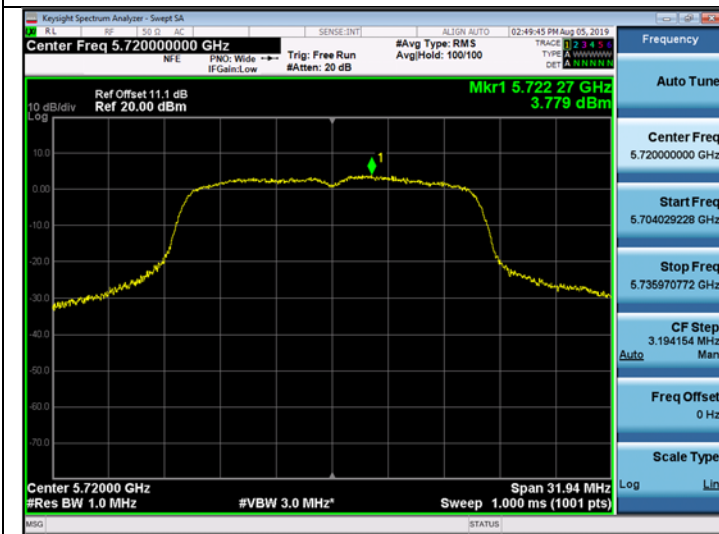
Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	3.779	1.515	5.294	11
802.11n(HT20)			3.364	1.406	4.770	
802.11ac(VHT20)			3.356	1.112	4.468	
802.11a	5720 (UNII 3 Band)	144	0.311	1.515	1.826	30
802.11n(HT20)			0.121	1.406	1.527	
802.11ac(VHT20)			0.134	1.112	1.246	

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	-2.611	2.314	-0.297	11
802.11ac(VHT40)			-2.342	2.332	-0.010	
802.11n(HT40)	5710 (UNII 3 Band)	142	-6.372	2.314	-4.058	30
802.11ac(VHT40)			-6.315	2.332	-3.983	

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-6.693	2.394	-4.299	11
	5690 (UNII 3 Band)	138	-10.681	2.394	-8.287	30

Test Plots

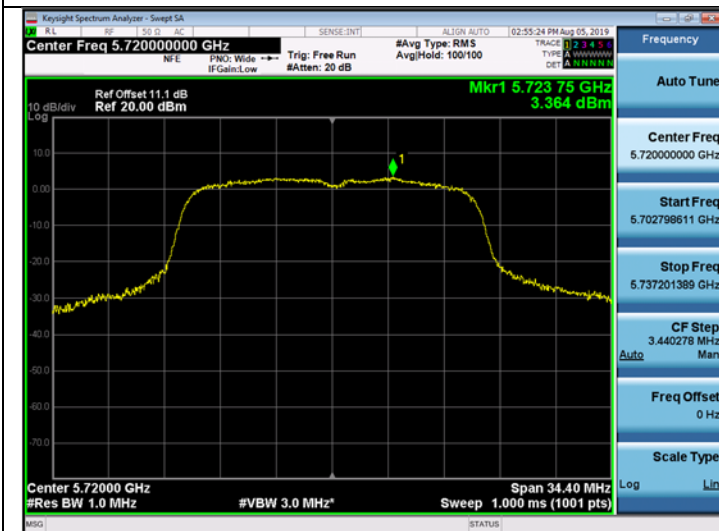
802.11a UNII 2C Band



802.11a UNII 3 Band



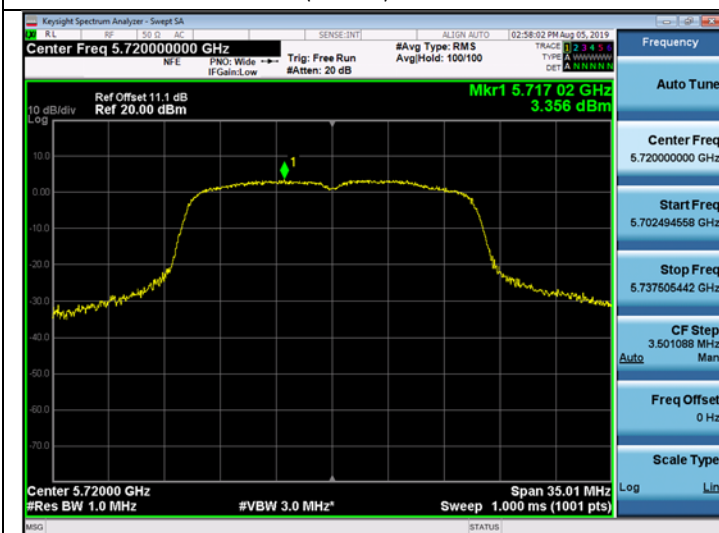
802.11n(HT20) UNII 2C Band



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

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	60.57	-2.55	V	58.02	68.20	10.18	PK
15540	60.50	-1.04	V	59.46	73.98	14.52	PK
15540	46.01	-1.04	V	44.97	53.98	9.01	AV
10360	59.02	-2.55	H	56.47	68.20	11.73	PK
15540	61.82	-1.04	H	60.78	73.98	13.20	PK
15540	47.59	-1.04	H	46.55	53.98	7.43	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	61.03	-1.97	V	59.06	68.20	9.14	PK
15600	62.88	-2.39	V	60.49	73.98	13.49	PK
15600	49.12	-2.39	V	46.73	53.98	7.25	AV
10400	60.54	-1.97	H	58.57	68.20	9.63	PK
15600	63.62	-2.39	H	61.23	73.98	12.75	PK
15600	49.64	-2.39	H	47.25	53.98	6.73	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	58.99	-3.16	V	55.83	68.20	12.37	PK
15720	61.40	-2.57	V	58.83	73.98	15.15	PK
15720	47.51	-2.57	V	44.94	53.98	9.04	AV
10480	58.94	-3.16	H	55.78	68.20	12.42	PK
15720	61.99	-2.57	H	59.42	73.98	14.56	PK
15720	47.80	-2.57	H	45.23	53.98	8.75	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	61.14	-2.55	V	58.59	68.20	9.61	PK
15540	60.94	-1.04	V	59.90	73.98	14.08	PK
15540	46.91	-1.04	V	45.87	53.98	8.11	AV
10360	60.88	-2.55	H	58.33	68.20	9.87	PK
15540	61.32	-1.04	H	60.28	73.98	13.70	PK
15540	47.19	-1.04	H	46.15	53.98	7.83	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	60.67	-1.97	V	58.70	68.20	9.50	PK
15600	61.79	-2.39	V	59.40	73.98	14.58	PK
15600	48.61	-2.39	V	46.22	53.98	7.76	AV
10400	60.33	-1.97	H	58.36	68.20	9.84	PK
15600	62.84	-2.39	H	60.45	73.98	13.53	PK
15600	48.95	-2.39	H	46.56	53.98	7.42	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	59.15	-3.16	V	55.99	68.20	12.21	PK
15720	60.85	-2.57	V	58.28	73.98	15.70	PK
15720	46.89	-2.57	V	44.32	53.98	9.66	AV
10480	58.73	-3.16	H	55.57	68.20	12.63	PK
15720	61.30	-2.57	H	58.73	73.98	15.25	PK
15720	47.31	-2.57	H	44.74	53.98	9.24	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	60.58	-2.55	V	58.03	68.20	10.17	PK
15540	62.56	-1.04	V	61.52	73.98	12.46	PK
15540	46.02	-1.04	V	44.98	53.98	9.00	AV
10360	60.10	-2.55	H	57.55	68.20	10.65	PK
15540	63.00	-1.04	H	61.96	73.98	12.02	PK
15540	46.10	-1.04	H	45.06	53.98	8.92	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	60.84	-1.97	V	58.87	68.20	9.33	PK
15600	62.10	-2.39	V	59.71	73.98	14.27	PK
15600	47.92	-2.39	V	45.53	53.98	8.45	AV
10400	60.41	-1.97	H	58.44	68.20	9.76	PK
15600	62.69	-2.39	H	60.30	73.98	13.68	PK
15600	48.08	-2.39	H	45.69	53.98	8.29	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	58.77	-3.16	V	55.61	68.20	12.59	PK
15720	61.89	-2.57	V	59.32	73.98	14.66	PK
15720	46.89	-2.57	V	44.32	53.98	9.66	AV
10480	58.31	-3.16	H	55.15	68.20	13.05	PK
15720	62.51	-2.57	H	59.94	73.98	14.04	PK
15720	47.16	-2.57	H	44.59	53.98	9.39	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	56.31	-2.27	V	54.04	68.20	14.16	PK
15570	54.13	-2.41	V	51.72	73.98	22.26	PK
15570	41.59	-2.41	V	39.18	53.98	14.80	AV
10380	55.80	-2.27	H	53.53	68.20	14.67	PK
15570	54.86	-2.41	H	52.45	73.98	21.53	PK
15570	41.88	-2.41	H	39.47	53.98	14.51	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	56.82	-2.96	V	53.86	68.20	14.34	PK
15690	57.22	-2.19	V	55.03	73.98	18.95	PK
15690	44.32	-2.19	V	42.13	53.98	11.85	AV
10460	56.41	-2.96	H	53.45	68.20	14.75	PK
15690	57.80	-2.19	H	55.61	73.98	18.37	PK
15690	45.04	-2.19	H	42.85	53.98	11.13	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	56.28	-2.27	V	54.01	68.20	14.19	PK
15570	54.81	-2.41	V	52.40	73.98	21.58	PK
15570	41.36	-2.41	V	38.95	53.98	15.03	AV
10380	55.76	-2.27	H	53.49	68.20	14.71	PK
15570	55.25	-2.41	H	52.84	73.98	21.14	PK
15570	41.74	-2.41	H	39.33	53.98	14.65	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	56.74	-2.96	V	53.78	68.20	14.42	PK
15690	56.61	-2.19	V	54.42	73.98	19.56	PK
15690	44.27	-2.19	V	42.08	53.98	11.90	AV
10460	56.17	-2.96	H	53.21	68.20	14.99	PK
15690	56.98	-2.19	H	54.79	73.98	19.19	PK
15690	44.48	-2.19	H	42.29	53.98	11.69	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	55.13	-2.67	V	52.46	68.20	15.74	PK
15630	51.89	-2.90	V	48.99	73.98	24.99	PK
15630	40.50	-2.90	V	37.60	53.98	16.38	AV
10420	54.76	-2.67	H	52.09	68.20	16.11	PK
15630	52.61	-2.90	H	49.71	73.98	24.27	PK
15630	40.58	-2.90	H	37.68	53.98	16.30	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	59.82	-3.06	V	56.76	68.20	11.44	PK
15780	60.59	-2.55	V	58.04	73.98	15.94	PK
15780	46.52	-2.55	V	43.97	53.98	10.01	AV
10520	59.99	-3.06	H	56.93	68.20	11.27	PK
15780	61.08	-2.55	H	58.53	73.98	15.45	PK
15780	47.48	-2.55	H	44.93	53.98	9.05	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	59.74	-2.95	V	56.79	73.98	17.19	PK
10600	46.84	-2.95	V	43.89	53.98	10.09	AV
15900	59.14	-3.45	V	55.69	73.98	18.29	PK
15900	45.18	-3.45	V	41.73	53.98	12.25	AV
10600	59.31	-2.95	H	56.36	73.98	17.62	PK
10600	46.21	-2.95	H	43.26	53.98	10.72	AV
15900	59.89	-3.45	H	56.44	73.98	17.54	PK
15900	45.97	-3.45	H	42.52	53.98	11.46	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	59.42	-2.94	V	56.48	73.98	17.50	PK
10640	45.91	-2.94	V	42.97	53.98	11.01	AV
15960	60.41	-3.22	V	-3.22	73.98	77.20	PK
15960	46.86	-3.22	V	43.64	53.98	10.34	AV
10640	59.03	-2.94	H	56.09	73.98	17.89	PK
10640	45.34	-2.94	H	42.40	53.98	11.58	AV
15960	61.10	-3.22	H	57.88	73.98	16.10	PK
15960	47.04	-3.22	H	43.82	53.98	10.16	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	58.11	-3.06	V	55.05	68.20	13.15	PK
15780	60.35	-2.55	V	57.80	73.98	16.18	PK
15780	46.49	-2.55	V	43.94	53.98	10.04	AV
10520	58.91	-3.06	H	55.85	68.20	12.35	PK
15780	60.82	-2.55	H	58.27	73.98	15.71	PK
15780	46.95	-2.55	H	44.40	53.98	9.58	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	59.37	-2.95	V	56.42	73.98	17.56	PK
10600	46.71	-2.95	V	43.76	53.98	10.22	AV
15900	59.33	-3.45	V	55.88	73.98	18.10	PK
15900	45.92	-3.45	V	42.47	53.98	11.51	AV
10600	58.65	-2.95	H	55.70	73.98	18.28	PK
10600	46.40	-2.95	H	43.45	53.98	10.53	AV
15900	59.96	-3.45	H	56.51	73.98	17.47	PK
15900	46.15	-3.45	H	42.70	53.98	11.28	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	58.36	-2.94	V	55.42	73.98	18.56	PK
10640	45.25	-2.94	V	42.31	53.98	11.67	AV
15960	58.81	-3.22	V	55.59	73.98	18.39	PK
15960	45.86	-3.22	V	42.64	53.98	11.34	AV
10640	58.10	-2.94	H	55.16	73.98	18.82	PK
10640	44.92	-2.94	H	41.98	53.98	12.00	AV
15960	59.80	-3.22	H	56.58	73.98	17.40	PK
15960	46.07	-3.22	H	42.85	53.98	11.13	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	58.16	-3.06	V	55.10	68.20	13.10	PK
15780	61.70	-2.55	V	59.15	73.98	14.83	PK
15780	46.52	-2.55	V	43.97	53.98	10.01	AV
10520	58.69	-3.06	H	55.63	68.20	12.57	PK
15780	62.02	-2.55	H	59.47	73.98	14.51	PK
15780	46.82	-2.55	H	44.27	53.98	9.71	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	59.39	-2.95	V	56.44	73.98	17.54	PK
10600	46.65	-2.95	V	43.70	53.98	10.28	AV
15900	60.88	-3.45	V	57.43	73.98	16.55	PK
15900	46.02	-3.45	V	42.57	53.98	11.41	AV
10600	58.96	-2.95	H	56.01	73.98	17.97	PK
10600	46.11	-2.95	H	43.16	53.98	10.82	AV
15900	61.42	-3.45	H	57.97	73.98	16.01	PK
15900	46.36	-3.45	H	42.91	53.98	11.07	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	58.53	-2.94	V	55.59	73.98	18.39	PK
10640	45.30	-2.94	V	42.36	53.98	11.62	AV
15960	60.18	-3.22	V	56.96	73.98	17.02	PK
15960	45.87	-3.22	V	42.65	53.98	11.33	AV
10640	56.59	-2.94	H	53.65	73.98	20.33	PK
10640	44.67	-2.94	H	41.73	53.98	12.25	AV
15960	60.96	-3.22	H	57.74	73.98	16.24	PK
15960	46.14	-3.22	H	42.92	53.98	11.06	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	55.60	-2.62	V	52.98	68.20	15.22	PK
15810	55.91	-3.01	V	52.90	73.98	21.08	PK
15810	42.81	-3.01	V	39.80	53.98	14.18	AV
10540	56.16	-2.62	H	53.54	68.20	14.66	PK
15810	56.75	-3.01	H	53.74	73.98	20.24	PK
15810	43.07	-3.01	H	40.06	53.98	13.92	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	55.26	-3.11	V	52.15	73.98	21.83	PK
10620	43.17	-3.11	V	40.06	53.98	13.92	AV
15930	53.70	-3.67	V	50.03	73.98	23.95	PK
15930	41.15	-3.67	V	37.48	53.98	16.50	AV
10620	53.98	-3.11	H	50.87	73.98	23.11	PK
10620	42.85	-3.11	H	39.74	53.98	14.24	AV
15930	54.14	-3.67	H	50.47	73.98	23.51	PK
15930	41.27	-3.67	H	37.60	53.98	16.38	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	55.74	-2.62	V	53.12	68.20	15.08	PK
15810	55.70	-3.01	V	52.69	73.98	21.29	PK
15810	43.09	-3.01	V	40.08	53.98	13.90	AV
10540	56.28	-2.62	H	53.66	68.20	14.54	PK
15810	56.26	-3.01	H	53.25	73.98	20.73	PK
15810	43.25	-3.01	H	40.24	53.98	13.74	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	55.33	-3.11	V	52.22	73.98	21.76	PK
10620	43.20	-3.11	V	40.09	53.98	13.89	AV
15930	54.06	-3.67	V	50.39	73.98	23.59	PK
15930	41.01	-3.67	V	37.34	53.98	16.64	AV
10620	54.59	-3.11	H	51.48	73.98	22.50	PK
10620	42.97	-3.11	H	39.86	53.98	14.12	AV
15930	54.78	-3.67	H	51.11	73.98	22.87	PK
15930	41.25	-3.67	H	37.58	53.98	16.40	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	54.65	-2.78	V	51.87	68.20	16.33	PK
15870	52.19	-3.72	V	48.47	73.98	25.51	PK
15870	40.42	-3.72	V	36.70	53.98	17.28	AV
10580	55.00	-2.78	H	52.22	68.20	15.98	PK
15870	53.09	-3.72	H	49.37	73.98	24.61	PK
15870	40.63	-3.72	H	36.91	53.98	17.07	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	58.56	-1.91	V	56.65	73.98	17.33	PK
11000	45.83	-1.91	V	43.92	53.98	10.06	AV
16500	58.65	-0.72	V	57.93	68.20	10.27	PK
11000	59.72	-1.91	H	57.81	73.98	16.17	PK
11000	46.86	-1.91	H	44.95	53.98	9.03	AV
16500	58.19	-0.72	H	57.47	68.20	10.73	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	59.35	-2.24	V	57.11	73.98	16.87	PK
11200	47.19	-2.24	V	44.95	53.98	9.03	AV
16800	56.07	1.54	V	57.61	68.20	10.59	PK
11200	60.59	-2.24	H	58.35	73.98	15.63	PK
11200	48.82	-2.24	H	46.58	53.98	7.40	AV
16800	55.10	1.54	H	56.64	68.20	11.56	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	57.54	-1.88	V	55.66	73.98	18.32	PK
11440	43.81	-1.88	V	41.93	53.98	12.05	AV
17160	54.49	3.28	V	57.77	68.20	10.43	PK
11440	58.17	-1.88	H	56.29	73.98	17.69	PK
11440	43.61	-1.88	H	41.73	53.98	12.25	AV
17160	54.15	3.28	H	57.43	68.20	10.77	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	57.88	-1.91	V	55.97	73.98	18.01	PK
11000	44.86	-1.91	V	42.95	53.98	11.03	AV
16500	56.90	-0.72	V	56.18	68.20	12.02	PK
11000	58.90	-1.91	H	56.99	73.98	16.99	PK
11000	45.21	-1.91	H	43.30	53.98	10.68	AV
16500	56.40	-0.72	H	55.68	68.20	12.52	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	58.95	-2.24	V	56.71	73.98	17.27	PK
11200	46.77	-2.24	V	44.53	53.98	9.45	AV
16800	56.02	1.54	V	57.56	68.20	10.64	PK
11200	60.12	-2.24	H	57.88	73.98	16.10	PK
11200	47.27	-2.24	H	45.03	53.98	8.95	AV
16800	55.45	1.54	H	56.99	68.20	11.21	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	58.59	-1.88	V	56.71	73.98	17.27	PK
11440	43.43	-1.88	V	41.55	53.98	12.43	AV
17160	55.02	3.28	V	58.30	68.20	9.90	PK
11440	57.49	-1.88	H	55.61	73.98	18.37	PK
11440	42.91	-1.88	H	41.03	53.98	12.95	AV
17160	53.25	3.28	H	56.53	68.20	11.67	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	59.76	-1.91	V	57.85	73.98	16.13	PK
11000	45.87	-1.91	V	43.96	53.98	10.02	AV
16500	59.35	-0.72	V	58.63	68.20	9.57	PK
11000	60.49	-1.91	H	58.58	73.98	15.40	PK
11000	46.39	-1.91	H	44.48	53.98	9.50	AV
16500	57.09	-0.72	H	56.37	68.20	11.83	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	58.64	-2.24	V	56.40	73.98	17.58	PK
11200	45.84	-2.24	V	43.60	53.98	10.38	AV
16800	56.41	1.54	V	57.95	68.20	10.25	PK
11200	60.46	-2.24	H	58.22	73.98	15.76	PK
11200	47.29	-2.24	H	45.05	53.98	8.93	AV
16800	54.45	1.54	H	55.99	68.20	12.21	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	57.73	-1.88	V	55.85	73.98	18.13	PK
11440	43.39	-1.88	V	41.51	53.98	12.47	AV
17160	54.78	3.28	V	58.06	68.20	10.14	PK
11440	57.12	-1.88	H	55.24	73.98	18.74	PK
11440	43.09	-1.88	H	41.21	53.98	12.77	AV
17160	54.25	3.28	H	57.53	68.20	10.67	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	54.49	-1.71	V	52.78	73.98	21.20	PK
11020	42.10	-1.71	V	40.39	53.98	13.59	AV
16530	55.45	-1.15	V	54.30	68.20	13.90	PK
11020	54.67	-1.71	H	52.96	73.98	21.02	PK
11020	42.31	-1.71	H	40.60	53.98	13.38	AV
16530	55.12	-1.15	H	53.97	68.20	14.23	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	55.37	-1.93	V	53.44	73.98	20.54	PK
11180	44.02	-1.93	V	42.09	53.98	11.89	AV
16770	53.99	-0.81	V	53.18	68.20	15.02	PK
11180	56.66	-1.93	H	54.73	73.98	19.25	PK
11180	44.47	-1.93	H	42.54	53.98	11.44	AV
16770	53.65	-0.81	H	52.84	68.20	15.36	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	54.34	-1.82	V	52.52	73.98	21.46	PK
11420	42.08	-1.82	V	40.26	53.98	13.72	AV
17130	53.93	2.94	V	56.87	68.20	11.33	PK
11420	53.59	-1.82	H	51.77	73.98	22.21	PK
11420	41.65	-1.82	H	39.83	53.98	14.15	AV
17130	52.56	2.94	H	55.50	68.20	12.70	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	53.92	-1.71	V	52.21	73.98	21.77	PK
11020	42.25	-1.71	V	40.54	53.98	13.44	AV
16530	55.38	-1.15	V	54.23	68.20	13.97	PK
11020	54.81	-1.71	H	53.10	73.98	20.88	PK
11020	42.35	-1.71	H	40.64	53.98	13.34	AV
16530	54.88	-1.15	H	53.73	68.20	14.47	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	56.13	-1.93	V	54.20	73.98	19.78	PK
11180	43.79	-1.93	V	41.86	53.98	12.12	AV
16770	53.95	-0.81	V	53.14	68.20	15.06	PK
11180	57.01	-1.93	H	55.08	73.98	18.90	PK
11180	44.51	-1.93	H	42.58	53.98	11.40	AV
16770	53.70	-0.81	H	52.89	68.20	15.31	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	54.71	-1.82	V	52.89	73.98	21.09	PK
11420	42.15	-1.82	V	40.33	53.98	13.65	AV
17130	53.49	2.94	V	56.43	68.20	11.77	PK
11420	53.60	-1.82	H	51.78	73.98	22.20	PK
11420	41.77	-1.82	H	39.95	53.98	14.03	AV
17130	52.67	2.94	H	55.61	68.20	12.59	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	54.37	-1.76	V	52.61	73.98	21.37	PK
11060	42.91	-1.76	V	41.15	53.98	12.83	AV
16590	54.69	-1.06	V	53.63	68.20	14.57	PK
11060	54.88	-1.76	H	53.12	73.98	20.86	PK
11060	42.95	-1.76	H	41.19	53.98	12.79	AV
16590	53.65	-1.06	H	52.59	68.20	15.61	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

Operating Frequency 5610 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	54.89	-2.53	V	52.36	73.98	21.62	PK
11220	42.21	-2.53	V	39.68	53.98	14.30	AV
16830	53.90	1.35	V	55.25	68.20	12.95	PK
11220	55.13	-2.53	H	52.60	73.98	21.38	PK
11220	42.62	-2.53	H	40.09	53.98	13.89	AV
16830	53.41	1.35	H	54.76	68.20	13.44	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	54.30	-1.92	V	52.38	73.98	21.60	PK
11380	41.58	-1.92	V	39.66	53.98	14.32	AV
17070	53.11	2.28	V	55.39	68.20	12.81	PK
11380	53.93	-1.92	H	52.01	73.98	21.97	PK
11380	41.21	-1.92	H	39.29	53.98	14.69	AV
17070	52.85	2.28	H	55.13	68.20	13.07	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	57.79	-2.07	V	55.72	73.98	18.26	PK
11490	44.82	-2.07	V	42.75	53.98	11.23	AV
17235	55.65	3.87	V	59.52	68.20	8.68	PK
11490	59.17	-2.07	H	57.10	73.98	16.88	PK
11490	45.72	-2.07	H	43.65	53.98	10.33	AV
17235	53.75	3.87	H	57.62	68.20	10.58	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	59.47	-2.13	V	57.34	73.98	16.64	PK
11570	46.04	-2.13	V	43.91	53.98	10.07	AV
17355	52.94	4.56	V	57.50	68.20	10.71	PK
11570	59.35	-2.13	H	57.22	73.98	16.76	PK
11570	46.08	-2.13	H	43.95	53.98	10.03	AV
17355	52.42	4.56	H	56.98	68.20	11.23	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	60.94	-2.46	V	58.48	73.98	15.50	PK
11650	47.62	-2.46	V	45.16	53.98	8.82	AV
17475	53.46	5.67	V	59.13	68.20	9.08	PK
11650	61.19	-2.46	H	58.73	73.98	15.25	PK
11650	47.76	-2.46	H	45.30	53.98	8.68	AV
17475	53.63	5.67	H	59.30	68.20	8.91	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	57.74	-2.07	V	55.67	73.98	18.31	PK
11490	44.89	-2.07	V	42.82	53.98	11.16	AV
17235	55.58	3.87	V	59.45	68.20	8.75	PK
11490	59.04	-2.07	H	56.97	73.98	17.01	PK
11490	45.31	-2.07	H	43.24	53.98	10.74	AV
17235	54.39	3.87	H	58.26	68.20	9.94	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	59.30	-2.13	V	57.17	73.98	16.81	PK
11570	45.70	-2.13	V	43.57	53.98	10.41	AV
17355	52.74	4.56	V	57.30	68.20	10.91	PK
11570	60.31	-2.13	H	58.18	73.98	15.80	PK
11570	46.13	-2.13	H	44.00	53.98	9.98	AV
17355	52.30	4.56	H	56.86	68.20	11.35	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	60.57	-2.46	V	58.11	73.98	15.87	PK
11650	47.19	-2.46	V	44.73	53.98	9.25	AV
17475	53.49	5.67	V	59.16	68.20	9.05	PK
11650	61.26	-2.46	H	58.80	73.98	15.18	PK
11650	47.84	-2.46	H	45.38	53.98	8.60	AV
17475	53.11	5.67	H	58.78	68.20	9.43	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	57.40	-2.07	V	55.33	73.98	18.65	PK
11490	44.48	-2.07	V	42.41	53.98	11.57	AV
17235	55.12	3.87	V	58.99	68.20	9.21	PK
11490	58.33	-2.07	H	56.26	73.98	17.72	PK
11490	44.77	-2.07	H	42.70	53.98	11.28	AV
17235	54.79	3.87	H	58.66	68.20	9.54	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	58.60	-2.13	V	56.47	73.98	17.51	PK
11570	45.55	-2.13	V	43.42	53.98	10.56	AV
17355	52.80	4.56	V	57.36	68.20	10.85	PK
11570	59.42	-2.13	H	57.29	73.98	16.69	PK
11570	46.14	-2.13	H	44.01	53.98	9.97	AV
17355	52.67	4.56	H	57.23	68.20	10.98	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	60.77	-2.46	V	58.31	73.98	15.67	PK
11650	47.44	-2.46	V	44.98	53.98	9.00	AV
17475	53.74	5.67	V	59.41	68.20	8.80	PK
11650	60.83	-2.46	H	58.37	73.98	15.61	PK
11650	47.95	-2.46	H	45.49	53.98	8.49	AV
17475	53.50	5.67	H	59.17	68.20	9.04	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	54.77	-1.83	V	52.94	73.98	21.04	PK
11510	43.10	-1.83	V	41.27	53.98	12.71	AV
17265	52.50	3.80	V	56.30	68.20	11.91	PK
11510	55.82	-1.83	H	53.99	73.98	19.99	PK
11510	43.66	-1.83	H	41.83	53.98	12.15	AV
17265	53.12	3.80	H	56.92	68.20	11.29	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	57.91	-2.10	V	55.81	73.98	18.17	PK
11590	44.09	-2.10	V	41.99	53.98	11.99	AV
17385	52.13	4.82	V	56.95	68.20	11.25	PK
11590	58.50	-2.10	H	56.40	73.98	17.58	PK
11590	44.88	-2.10	H	42.78	53.98	11.20	AV
17385	52.65	4.82	H	57.47	68.20	10.73	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	55.74	-1.83	V	53.91	73.98	20.07	PK
11510	43.22	-1.83	V	41.39	53.98	12.59	AV
17265	52.11	3.80	V	55.91	68.20	12.30	PK
11510	56.01	-1.83	H	54.18	73.98	19.80	PK
11510	43.90	-1.83	H	42.07	53.98	11.91	AV
17265	52.84	3.80	H	56.64	68.20	11.57	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	58.12	-2.10	V	56.02	73.98	17.96	PK
11590	44.65	-2.10	V	42.55	53.98	11.43	AV
17385	51.69	4.82	V	56.51	68.20	11.69	PK
11590	58.84	-2.10	H	56.74	73.98	17.24	PK
11590	44.91	-2.10	H	42.81	53.98	11.17	AV
17385	52.25	4.82	H	57.07	68.20	11.13	PK

Band : UNII 3

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

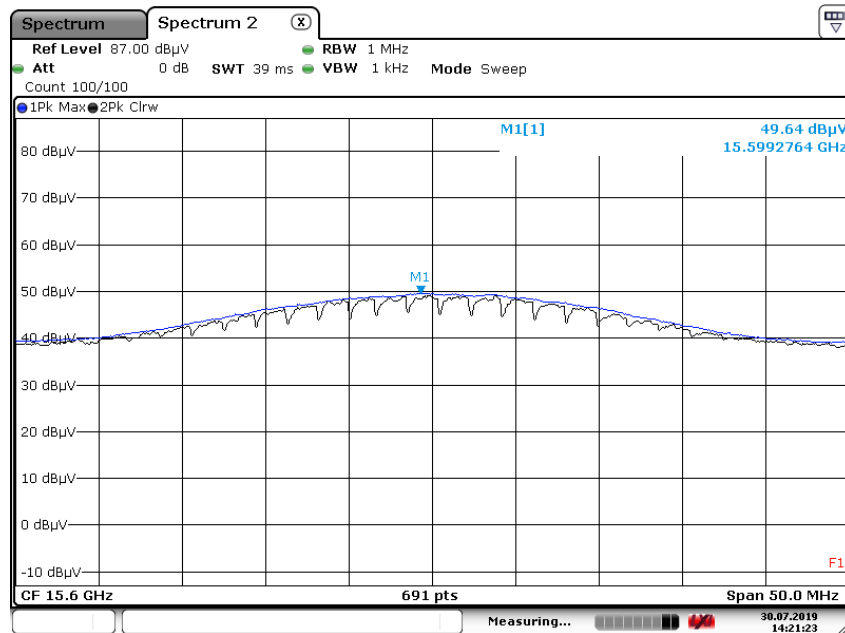
Operating Frequency 5775 MHz

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	54.78	-1.50	V	53.28	73.98	20.70	PK
11550	42.66	-1.50	V	41.16	53.98	12.82	AV
17325	51.45	4.52	V	55.97	68.20	12.24	PK
11550	55.23	-1.50	H	53.73	73.98	20.25	PK
11550	43.36	-1.50	H	41.86	53.98	12.12	AV
17325	52.03	4.52	H	56.55	68.20	11.66	PK

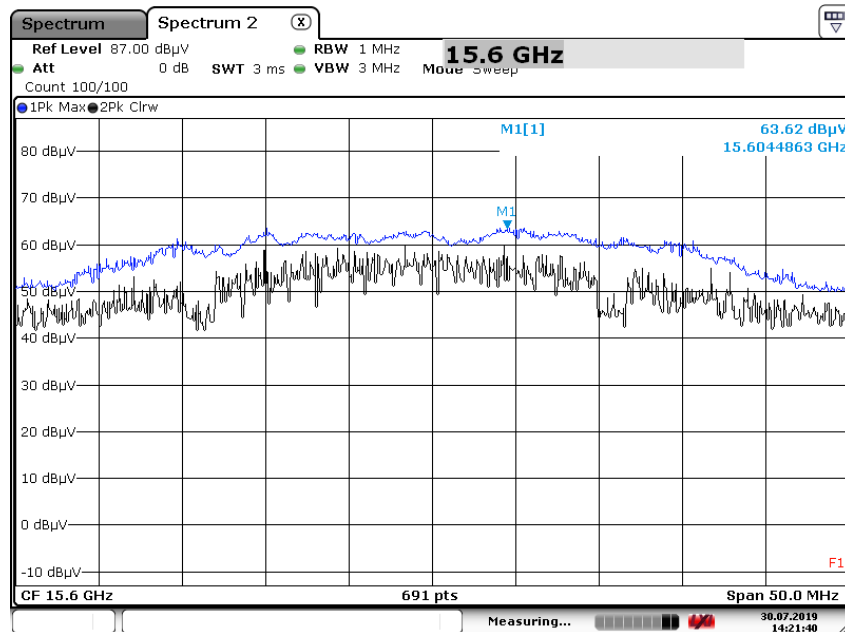
Test Plots

Average Reading (802.11a, Ch.40 3rd Harmonic, Z-H)



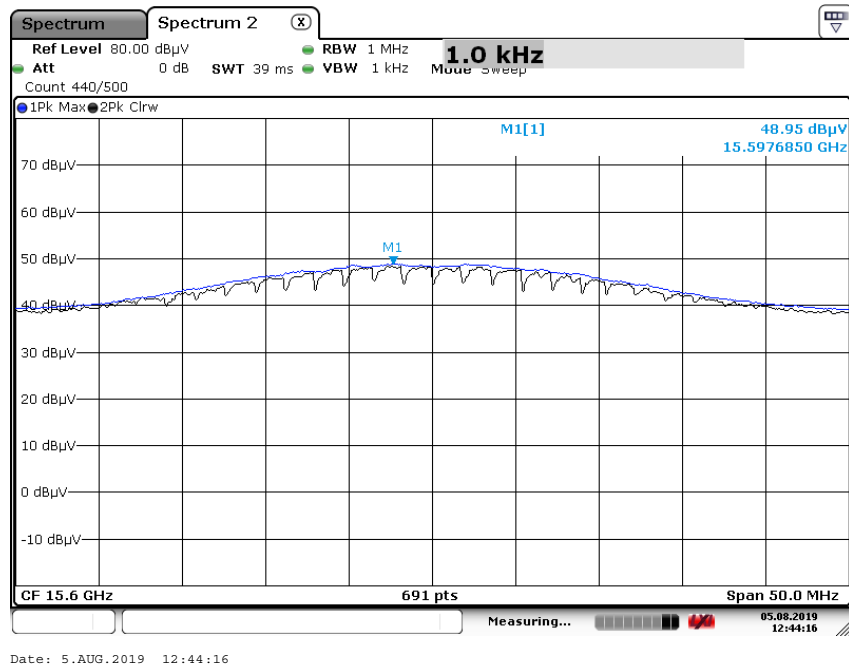
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Peak Reading (802.11a, Ch.40 3rd Harmonic, Z-H)

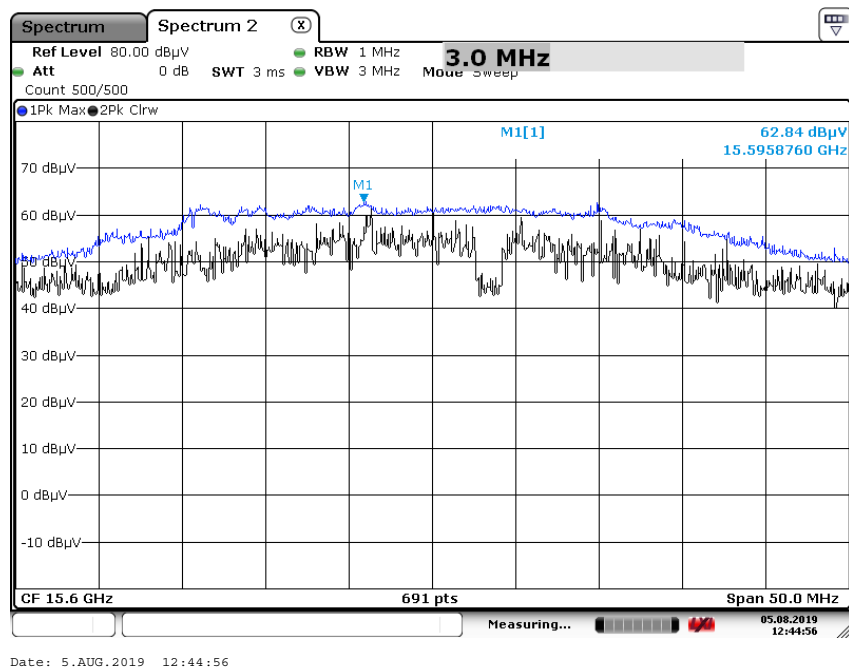


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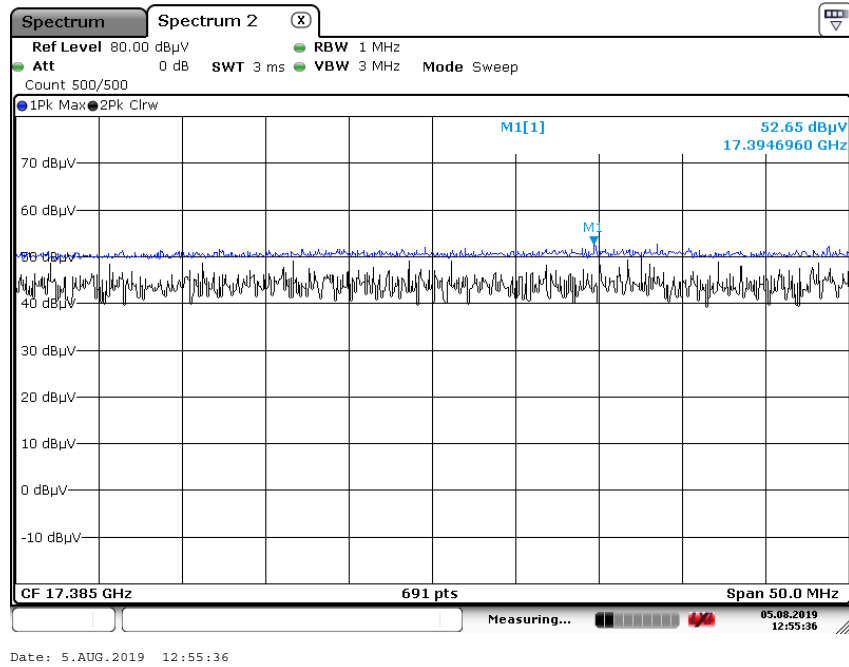
Average Reading (802.11n(HT20), Ch.40 3rd Harmonic, Z-H)



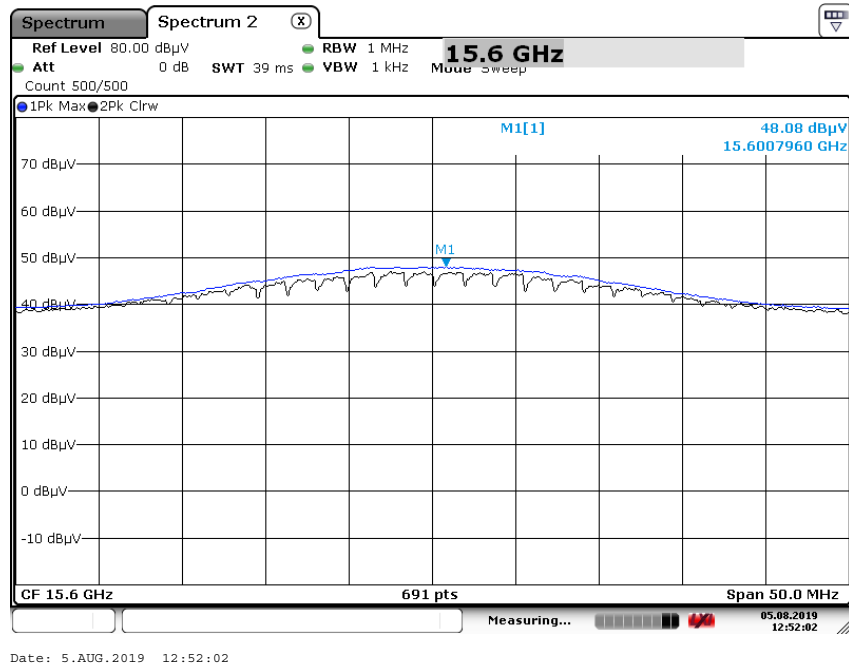
Peak Reading (802.11n(HT20), Ch.40 3rd Harmonic, Z-H)



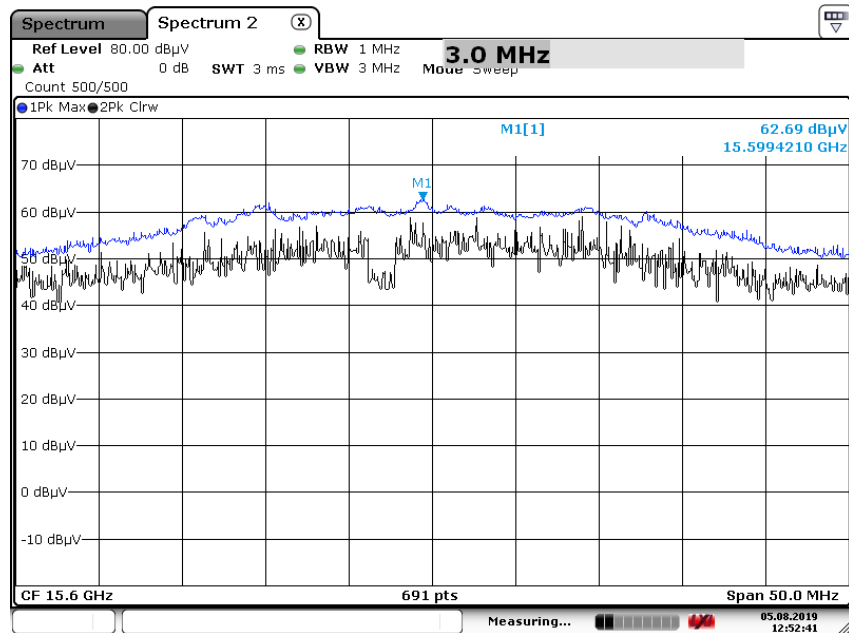
Peak Reading (802.11n(HT40), Ch.159 3rd Harmonic, Z-H)



Average Reading (802.11ac(VHT20), Ch.40 3rd Harmonic, Z-H)

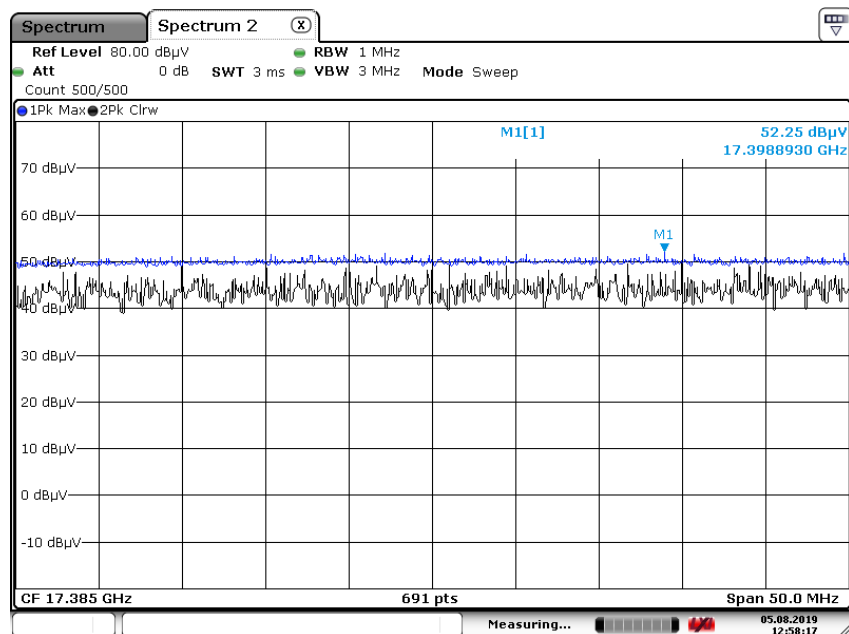


Peak Reading (802.11ac(VHT20), Ch.40 3rd Harmonic, Z-H)



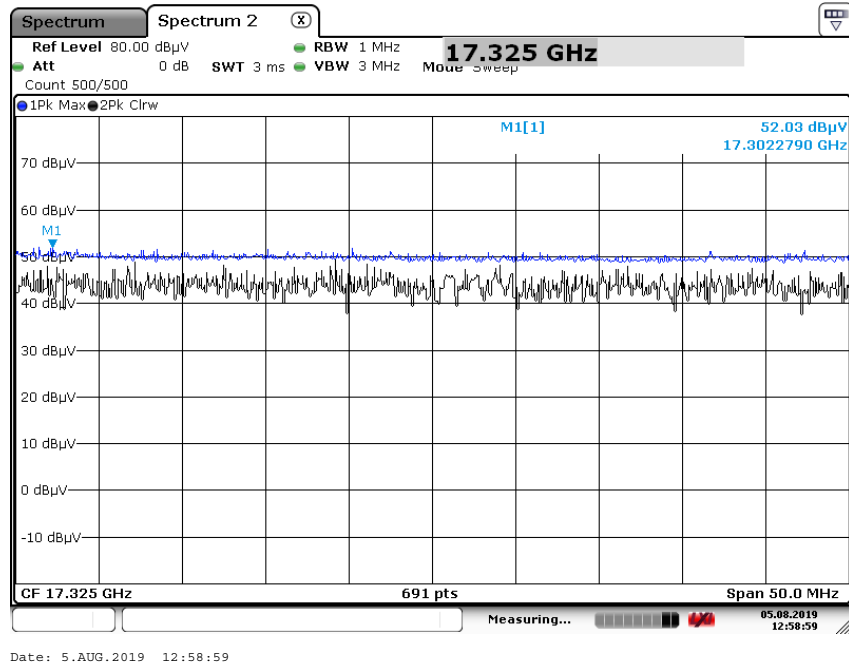
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Peak Reading (802.11ac(VHT40), Ch.159 3rd Harmonic, Z-H)



Date: 5.AUG.2019 12:58:17

Peak Reading (802.11ac(VHT80), Ch.155 3rd Harmonic, Z-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	59.12	3.89	H	63.01	73.98	10.97	PK
5150	44.86	3.89	H	48.75	53.98	5.23	AV
5150	59.47	3.89	V	63.36	73.98	10.62	PK
5150	46.20	3.89	V	50.09	53.98	3.89	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	58.25	3.89	H	62.14	73.98	11.84	PK
5150	44.59	3.89	H	48.48	53.98	5.50	AV
5150	60.61	3.89	V	64.5	73.98	9.48	PK
5150	45.99	3.89	V	49.88	53.98	4.10	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	59.21	3.89	H	63.10	73.98	10.88	PK
5150	45.23	3.89	H	49.12	53.98	4.86	AV
5150	61.09	3.89	V	64.98	73.98	9.00	PK
5150	46.08	3.89	V	49.97	53.98	4.01	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	64.84	3.89	H	68.73	73.98	5.25	PK
5150	47.30	3.89	H	51.19	53.98	2.79	AV
5150	63.39	3.89	V	67.28	73.98	6.70	PK
5150	46.93	3.89	V	50.82	53.98	3.16	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	64.04	3.89	H	67.93	73.98	6.05	PK
5150	47.17	3.89	H	51.06	53.98	2.92	AV
5150	64.12	3.89	V	68.01	73.98	5.97	PK
5150	47.47	3.89	V	51.36	53.98	2.62	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	60.61	3.89	H	64.50	73.98	9.48	PK
5150	45.34	3.89	H	49.23	53.98	4.75	AV
5150	60.33	3.89	V	64.22	73.98	9.76	PK
5150	45.12	3.89	V	49.01	53.98	4.97	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	60.65	4.12	H	64.77	73.98	9.21	PK
5350	45.42	4.12	H	49.54	53.98	4.44	AV
5350	60.11	4.12	V	64.23	73.98	9.75	PK
5350	45.19	4.12	V	49.31	53.98	4.67	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	60.28	4.12	H	64.40	73.98	9.58	PK
5350	45.49	4.12	H	49.61	53.98	4.37	AV
5350	59.70	4.12	V	63.82	73.98	10.16	PK
5350	45.16	4.12	V	49.28	53.98	4.70	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	60.62	4.12	H	64.74	73.98	9.24	PK
5350	45.20	4.12	H	49.32	53.98	4.66	AV
5350	59.80	4.12	V	63.92	73.98	10.06	PK
5350	44.76	4.12	V	48.88	53.98	5.10	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	63.15	4.12	H	67.27	73.98	6.71	PK
5350	45.42	4.12	H	49.54	53.98	4.44	AV
5350	62.78	4.12	V	66.9	73.98	7.08	PK
5350	45.28	4.12	V	49.4	53.98	4.58	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	64.57	4.12	H	68.69	73.98	5.29	PK
5350	45.29	4.12	H	49.41	53.98	4.57	AV
5350	63.76	4.12	V	67.88	73.98	6.10	PK
5350	44.99	4.12	V	49.11	53.98	4.87	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	60.80	4.12	H	64.92	73.98	9.06	PK
5350	46.25	4.12	H	50.37	53.98	3.61	AV
5350	59.39	4.12	V	63.51	73.98	10.47	PK
5350	45.28	4.12	V	49.4	53.98	4.58	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	54.93	5.20	H	60.13	73.98	13.85	PK
5460	40.73	5.20	H	45.93	53.98	8.05	AV
5470	60.12	5.16	H	65.28	68.20	2.92	PK
5460	54.44	5.20	V	59.64	73.98	14.34	PK
5460	40.46	5.20	V	45.66	53.98	8.32	AV
5470	59.67	5.16	V	64.83	68.20	3.37	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	54.29	5.20	H	59.49	73.98	14.49	PK
5460	40.72	5.20	H	45.92	53.98	8.06	AV
5470	59.20	5.16	H	64.36	68.20	3.84	PK
5460	54.18	5.20	V	59.38	73.98	14.60	PK
5460	40.50	5.20	V	45.7	53.98	8.28	AV
5470	58.60	5.16	V	63.76	68.20	4.44	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	54.44	5.20	H	59.64	73.98	14.34	PK
5460	40.46	5.20	H	45.66	53.98	8.32	AV
5470	60.77	5.16	H	65.93	68.20	2.27	PK
5460	53.75	5.20	V	58.95	73.98	15.03	PK
5460	40.25	5.20	V	45.45	53.98	8.53	AV
5470	59.16	5.16	V	64.32	68.20	3.88	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	53.21	5.20	H	58.41	73.98	15.57	PK
5460	41.57	5.20	H	46.77	53.98	7.21	AV
5470	58.83	5.16	H	63.99	68.20	4.21	PK
5460	52.99	5.20	V	58.19	73.98	15.79	PK
5460	41.31	5.20	V	46.51	53.98	7.47	AV
5470	58.47	5.16	V	63.63	68.20	4.57	PK

Band : UNII 2C

Operation Mode: 802.11 ac_VHT40

Transfer MCS Index: 0

Operating Frequency 5510 MHz

Channel No. 102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBUV/m]	Limit [dBUV/m]	Margin [dB]	Measurement Type
5460	52.78	5.20	H	57.98	73.98	16.00	PK
5460	41.59	5.20	H	46.79	53.98	7.19	AV
5470	60.00	5.16	H	65.16	68.20	3.04	PK
5460	52.17	5.20	V	57.37	73.98	16.61	PK
5460	41.08	5.20	V	46.28	53.98	7.70	AV
5470	59.65	5.16	V	64.81	68.20	3.39	PK

Band : UNII 2C

Operation Mode: 802.11 ac_VHT80

Transfer MCS Index: 0

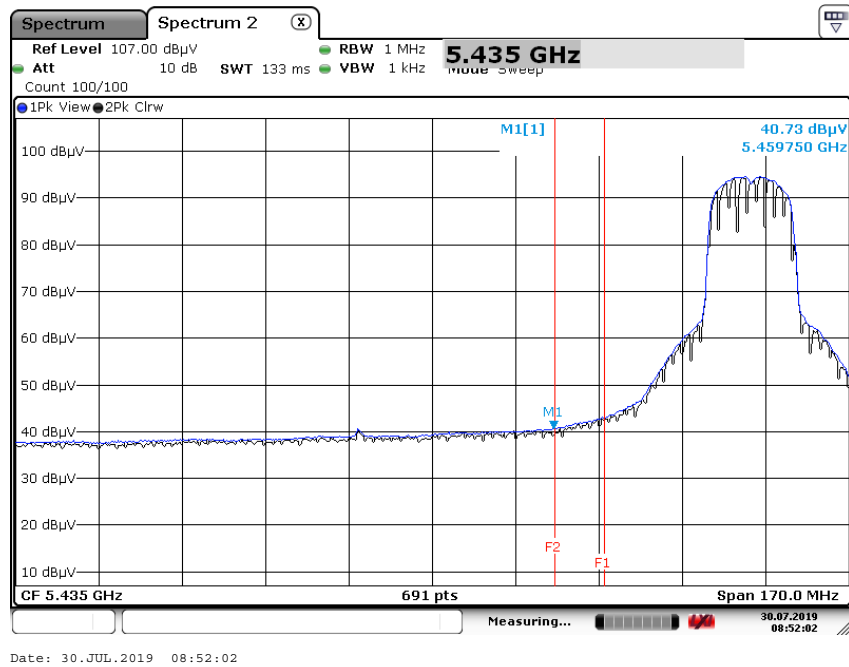
Operating Frequency 5530 MHz

Channel No. 106 Ch

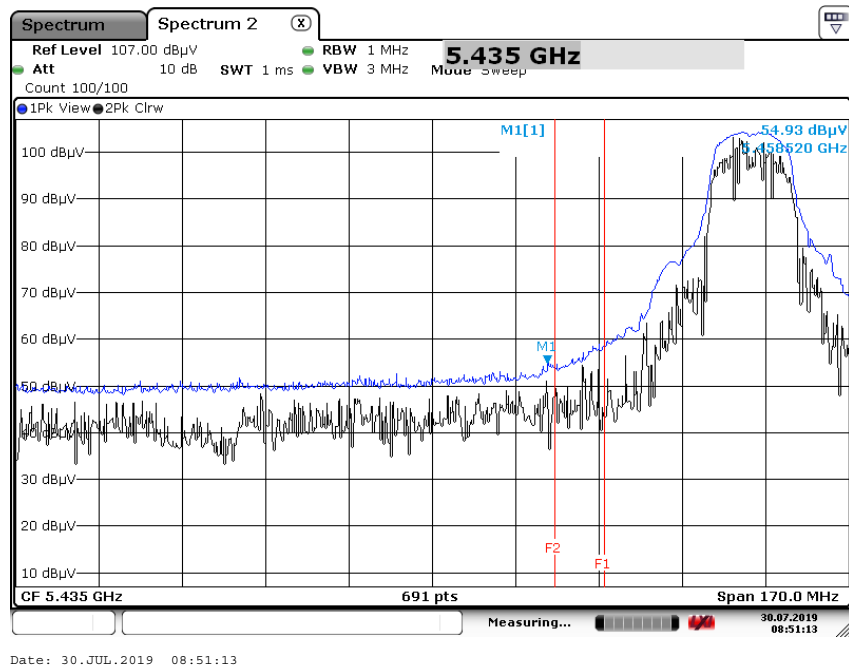
Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBUV/m]	Limit [dBUV/m]	Margin [dB]	Measurement Type
5460	57.62	5.20	H	62.82	73.98	11.16	PK
5460	43.48	5.20	H	48.68	53.98	5.30	AV
5470	57.53	5.16	H	62.69	68.20	5.51	PK
5460	55.46	5.20	V	60.66	73.98	13.32	PK
5460	42.53	5.20	V	47.73	53.98	6.25	AV
5470	56.50	5.16	V	61.66	68.20	6.54	PK

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

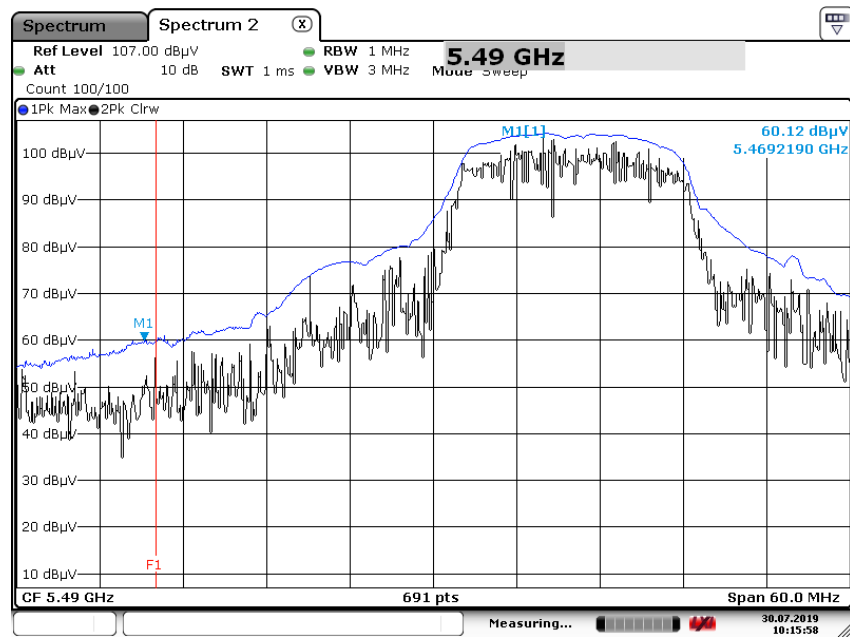
Average Reading (802.11a, Ch.100 , Y-H)



Peak Reading (802.11a, Ch.100 , Y-H)

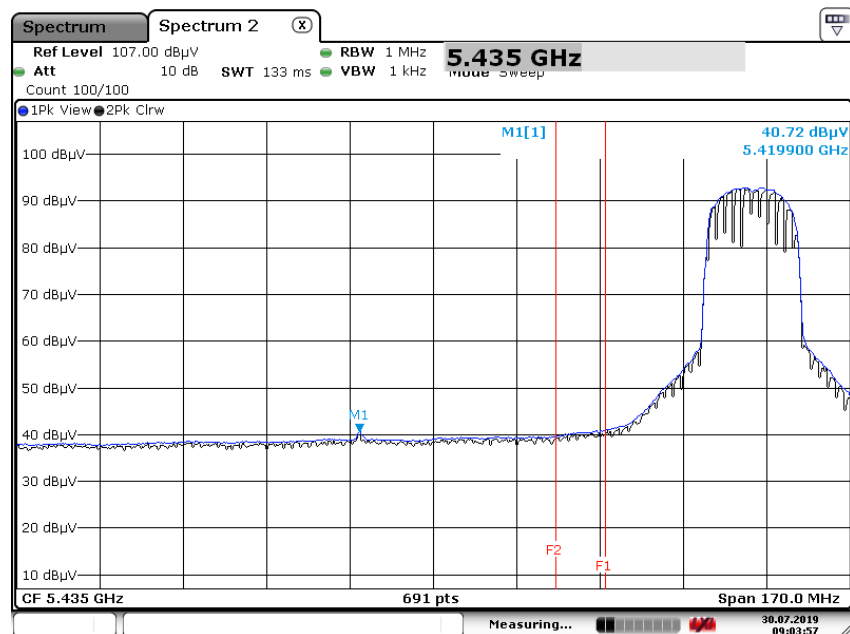


Peak Reading (802.11a, Ch.100 , Y-H)



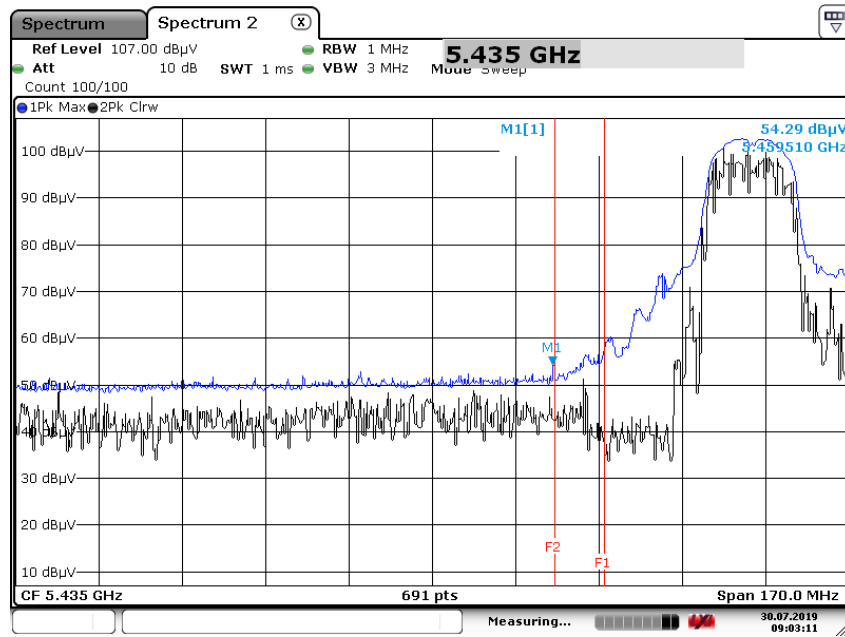
Date: 30.JUL.2019 10:15:58

Average Reading (802.11n(HT20), Ch.100 , Y-H)



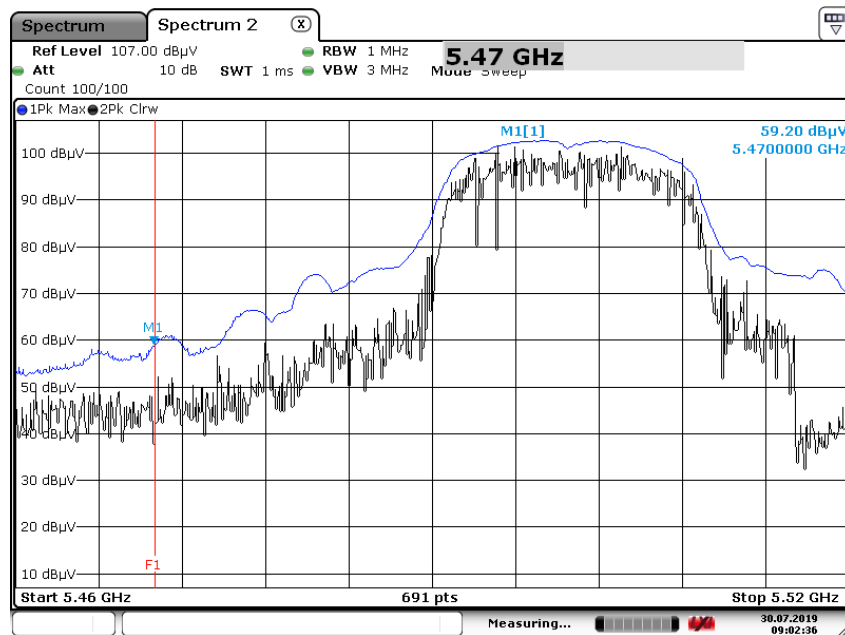
Date: 30.JUL.2019 09:03:57

Peak Reading (802.11n(HT20), Ch.100 , Y-H)



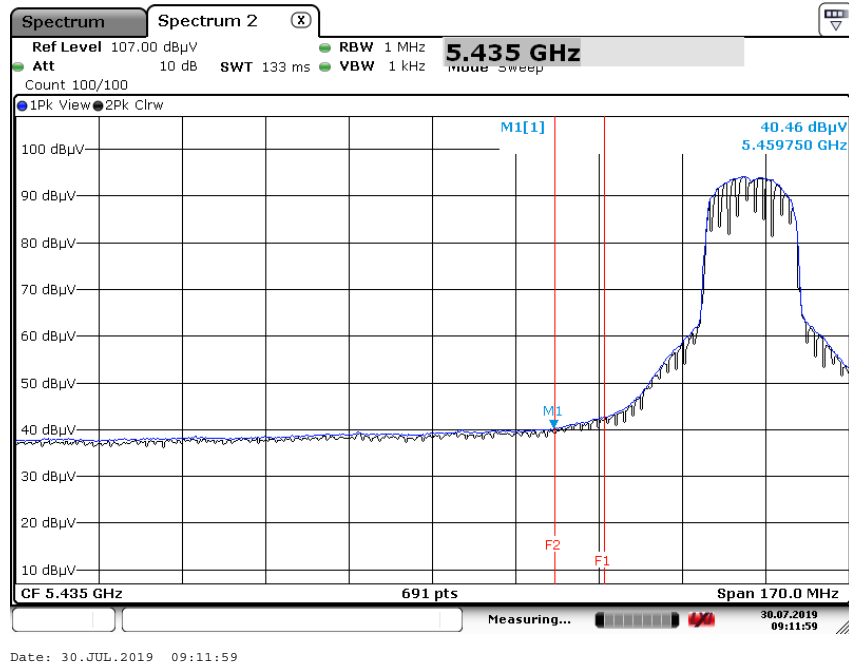
Date: 30.JUL.2019 09:03:10

Peak Reading (802.11n(HT20), Ch.100 , Y-H)

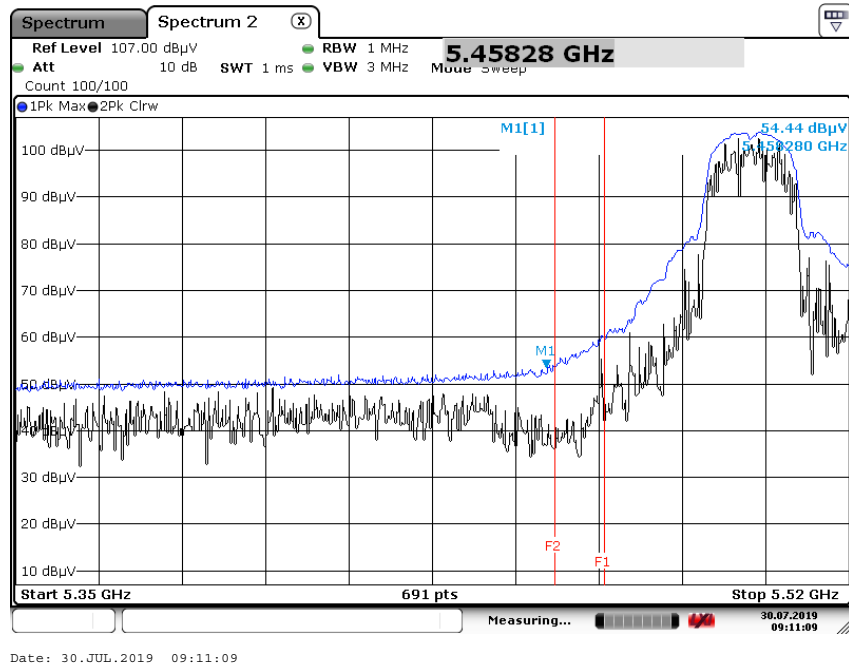


Date: 30.JUL.2019 09:02:36

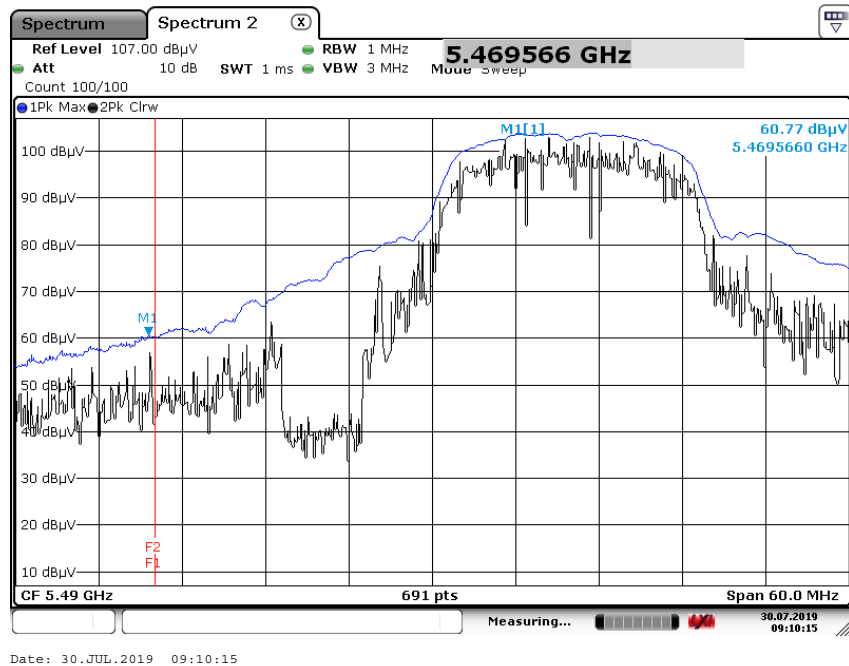
(802.11ac(VHT20), Ch.100, Y-H)



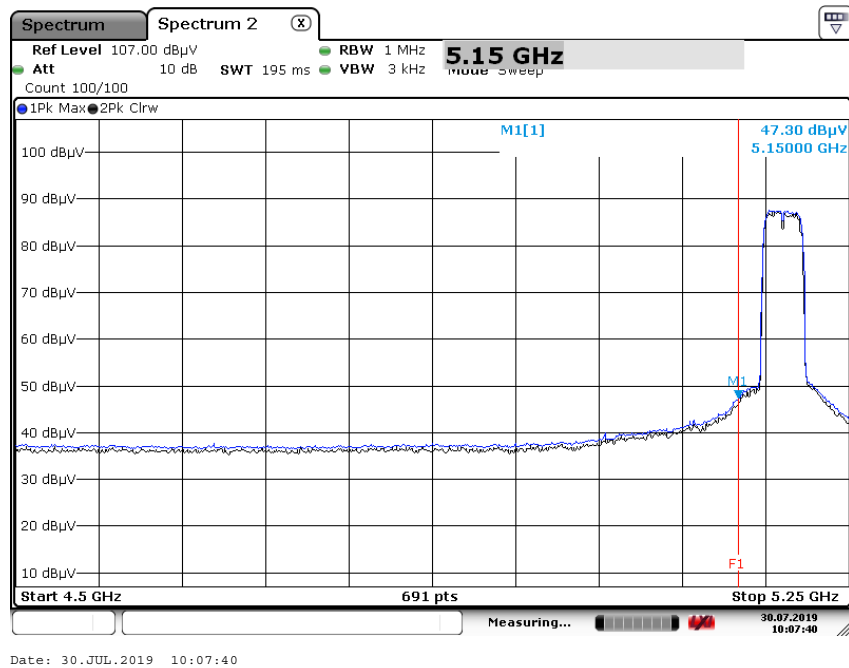
Peak Reading (802.11ac(VHT20), Ch.100, Y-H)



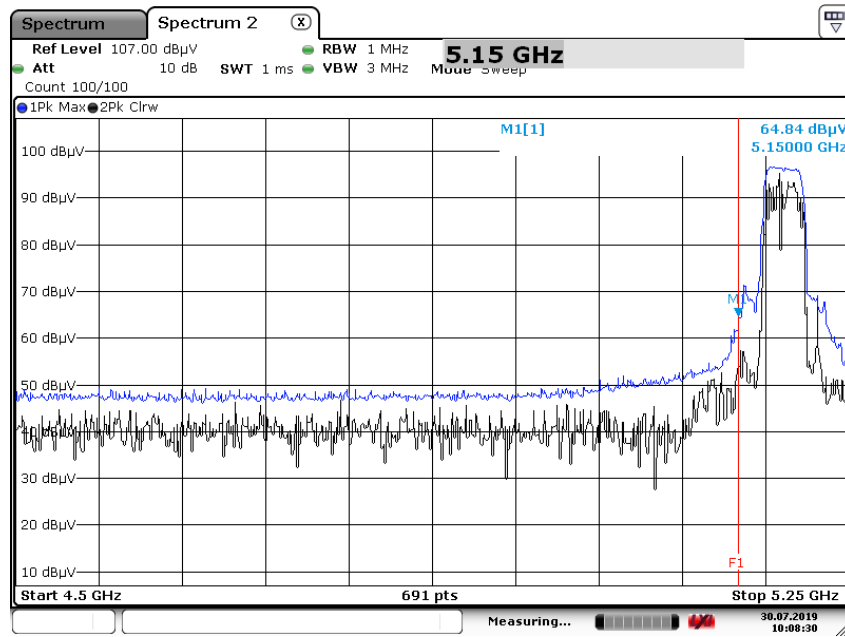
Peak Reading (802.11ac(VHT20), Ch.100 , Y-H)



Average Reading (802.11n(HT40), Ch.38 , Y-H)

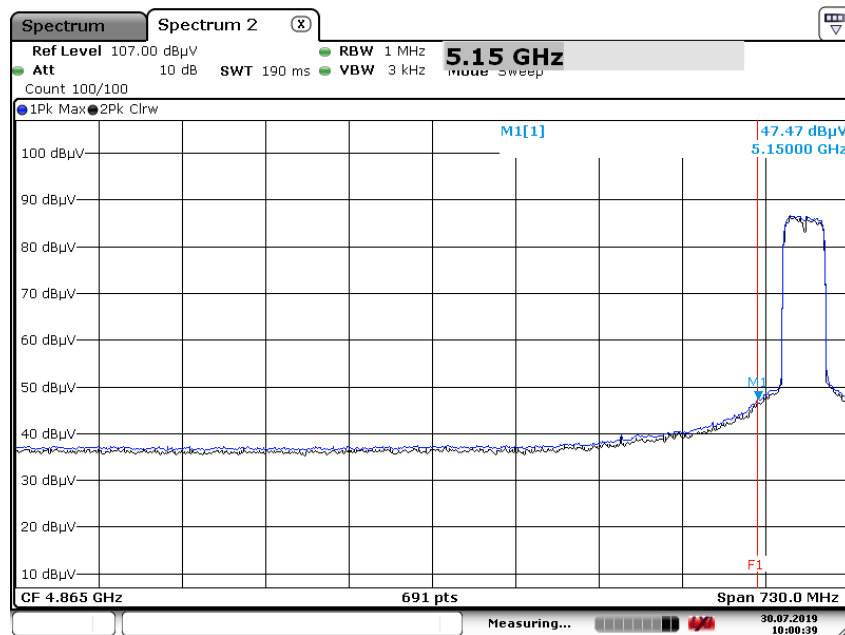


Peak Reading (802.11n(HT40), Ch.38 , Y-H)



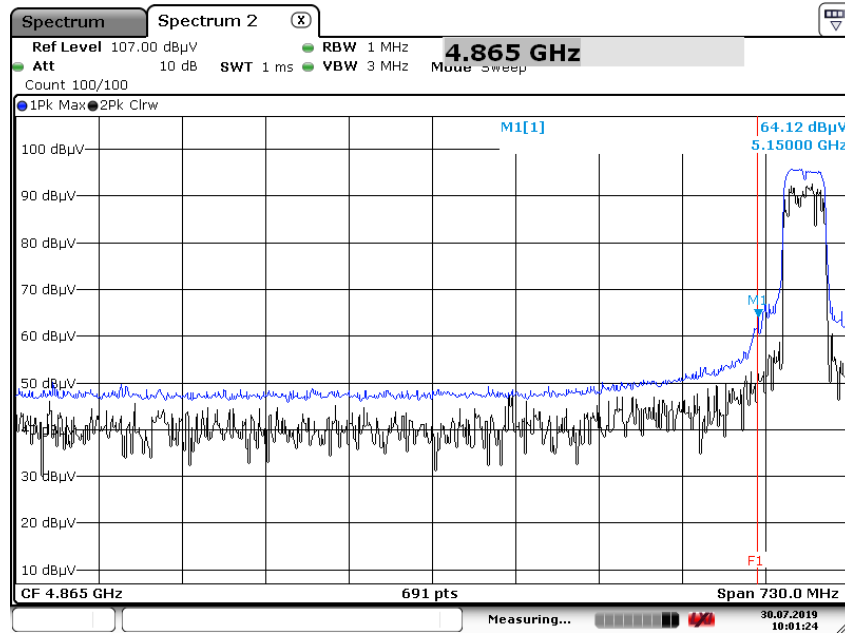
Date: 30.JUL.2019 10:08:30

Average Reading (802.11ac(VHT40), Ch.38 , Z-V)



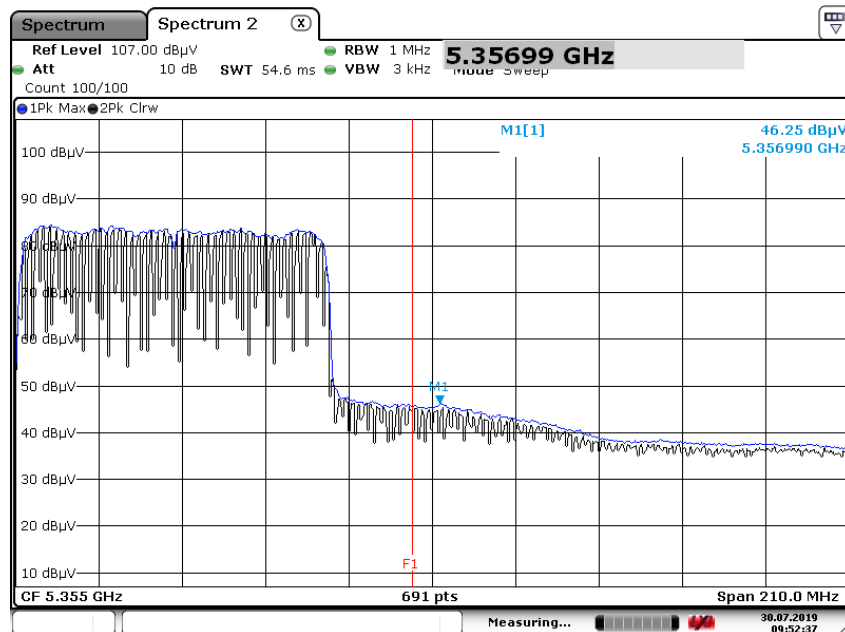
Date: 30.JUL.2019 10:00:39

Peak Reading (802.11ac(VHT40), Ch.38 , Z-V)



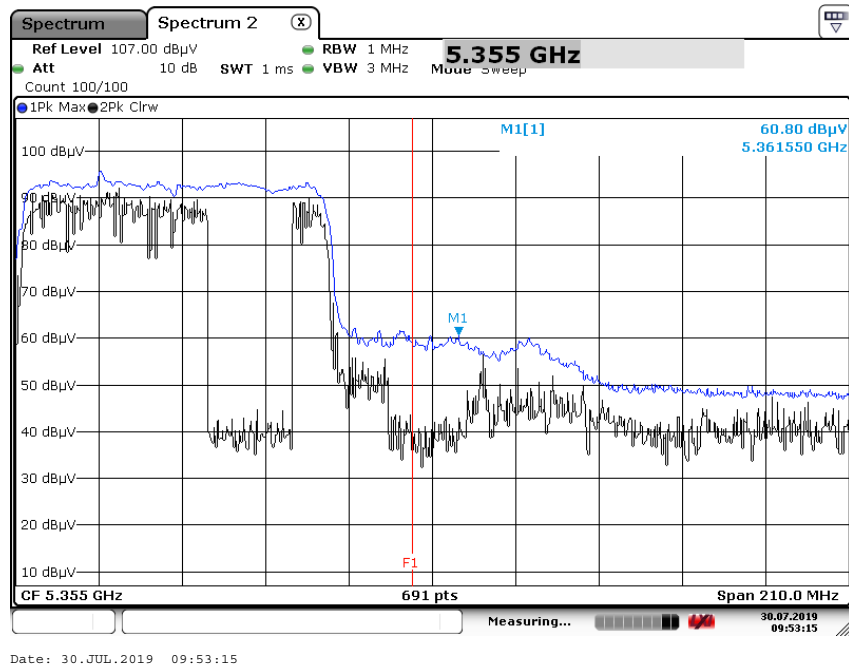
Date: 30.JUL.2019 10:01:24

Average Reading (802.11ac(VHT80), Ch.58 , Y-H)



Date: 30.JUL.2019 09:52:37

Peak Reading (802.11ac(VHT80), Ch.58, Y-H)

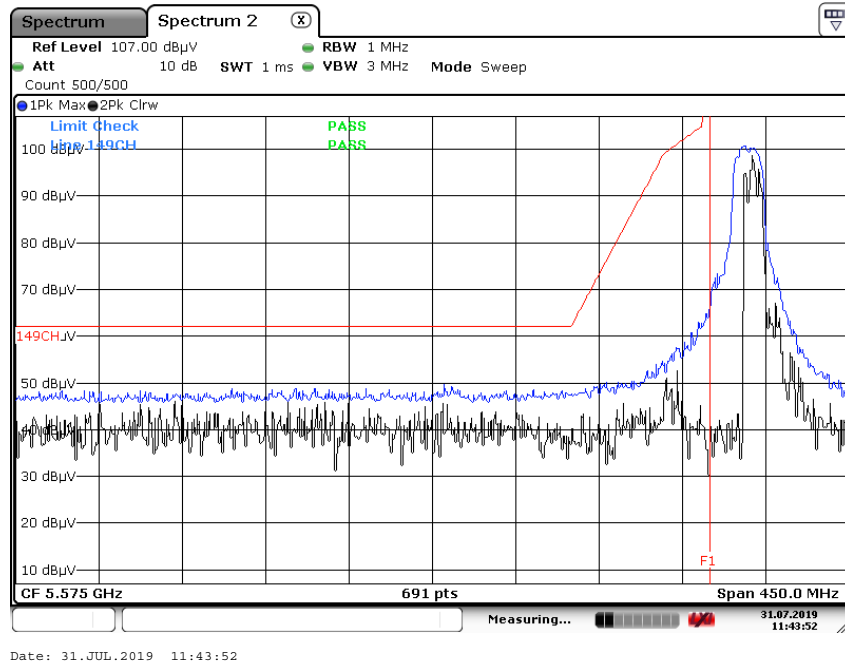


Note:

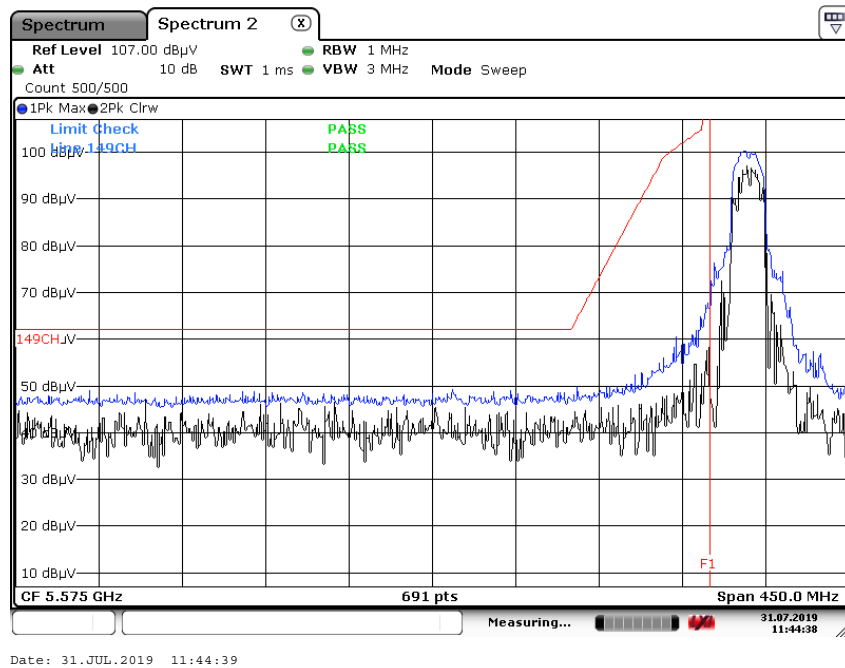
Only the worst case plots for Radiated Restricted Band Edge.

Test Plots(UNII 3)

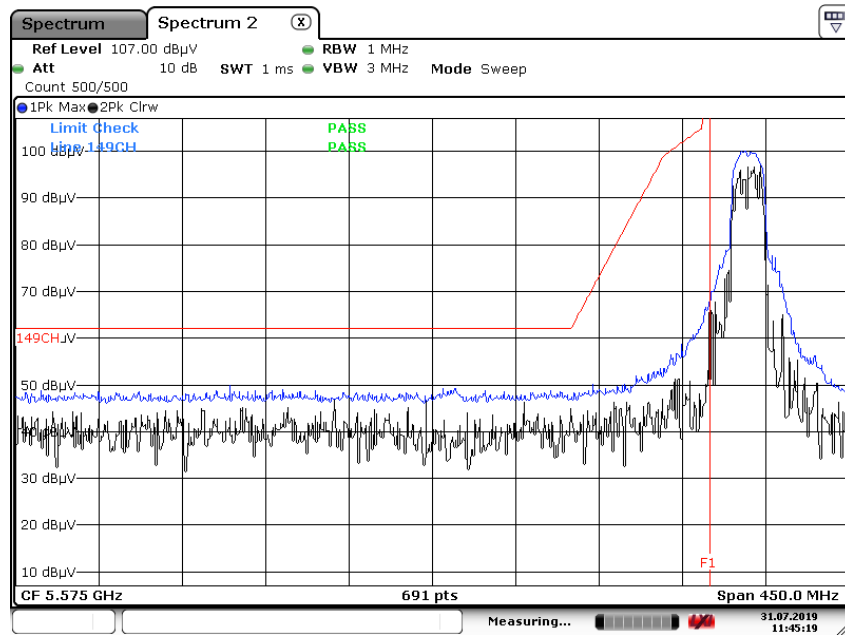
Peak Reading (802.11a, Ch.149, Y-H)



Peak Reading (802.11n_HT20, Ch.149, Y-H)

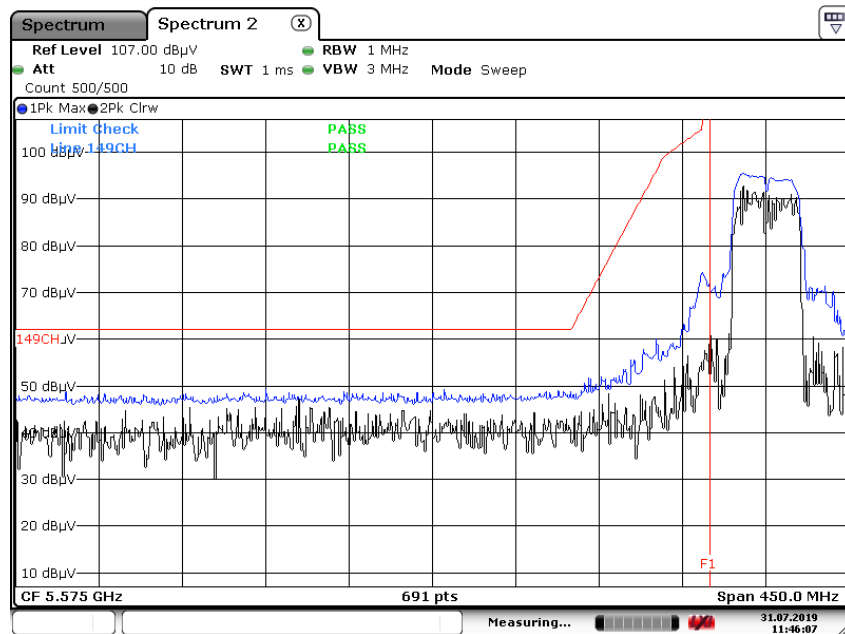


Peak Reading (802.11ac_VHT20, Ch.149, Y-H)



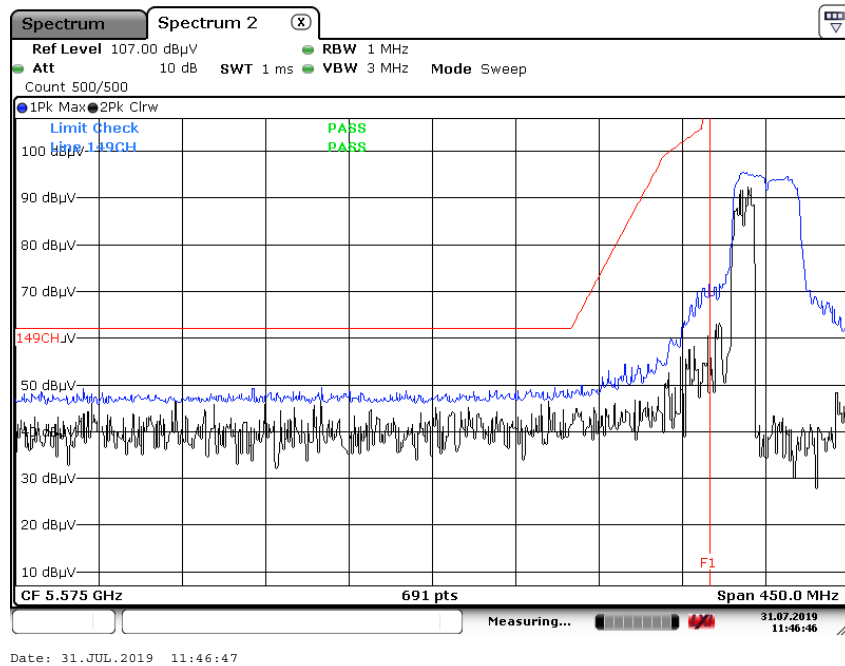
Date: 31.JUL.2019 11:45:19

Peak Reading (802.11n_HT40, Ch.151, Y-H)

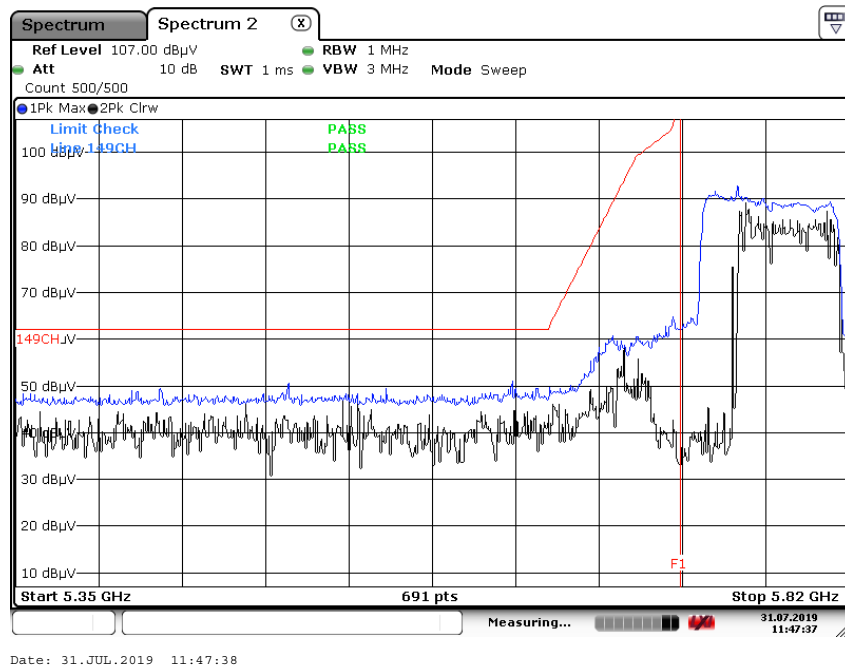


Date: 31.JUL.2019 11:46:07

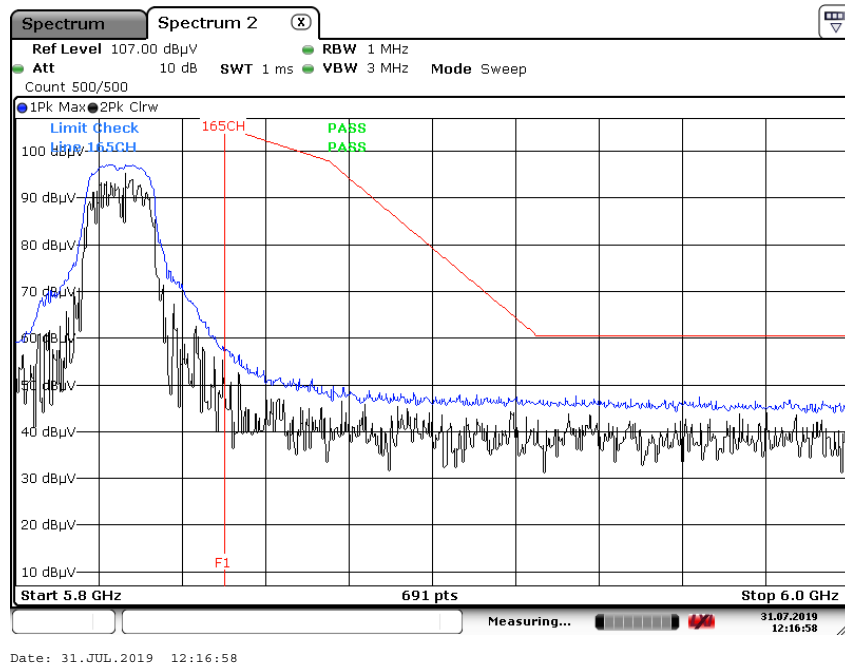
Peak Reading (802.11ac_VHT40, Ch.151, Y-H)



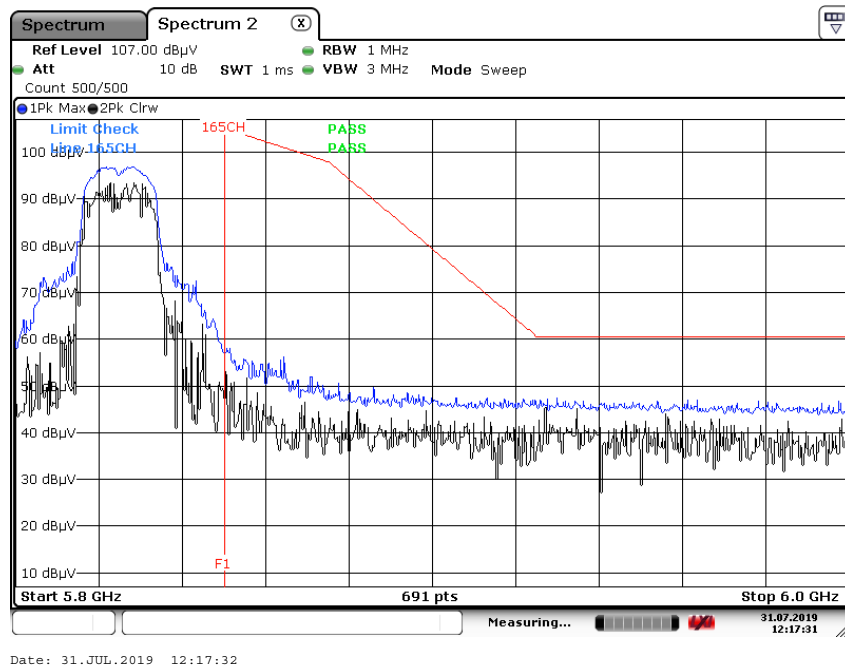
Peak Reading (802.11ac_VHT80, Ch.155, Y-H)



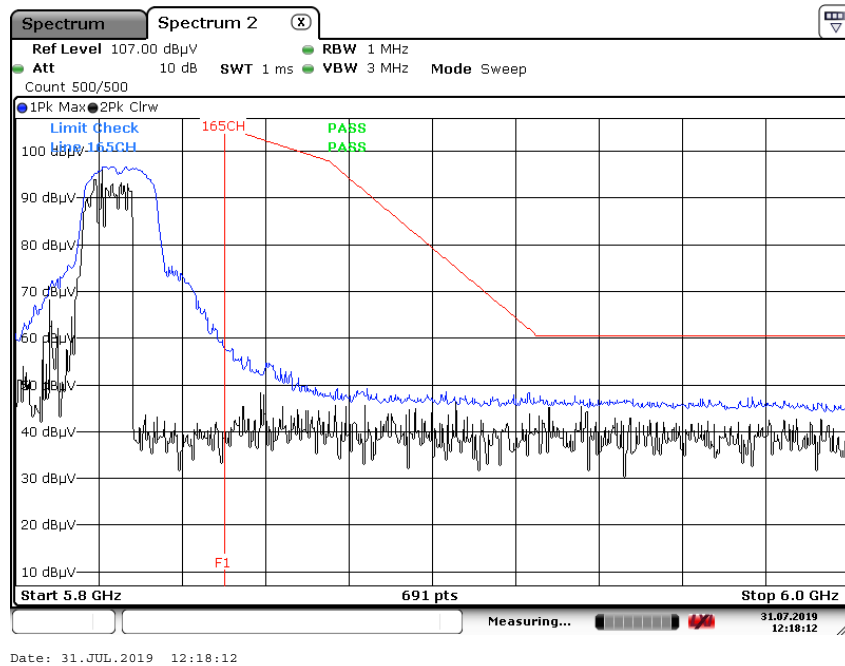
Peak Reading (802.11a, Ch.165, X-H)



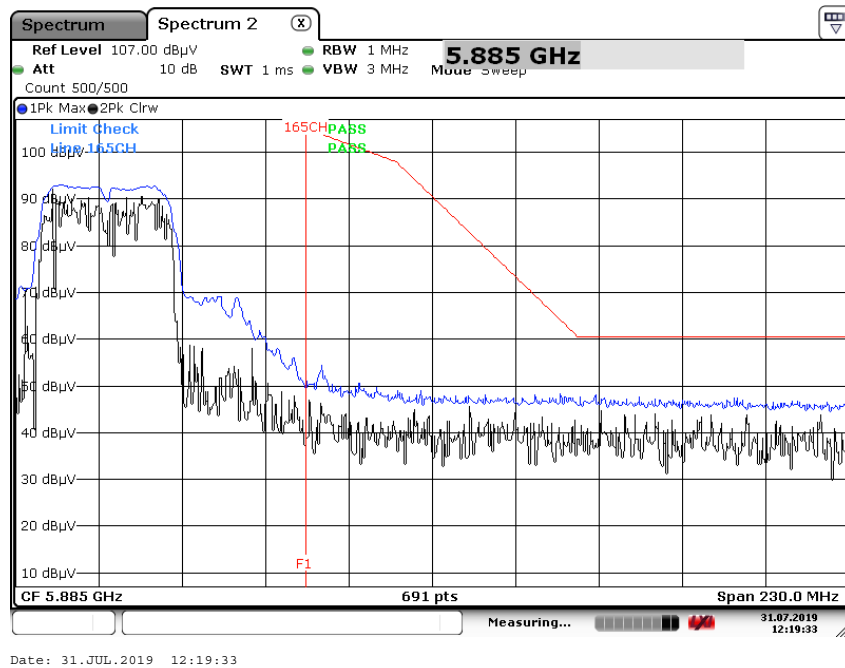
Peak Reading (802.11n_HT20, Ch.165, X-H)



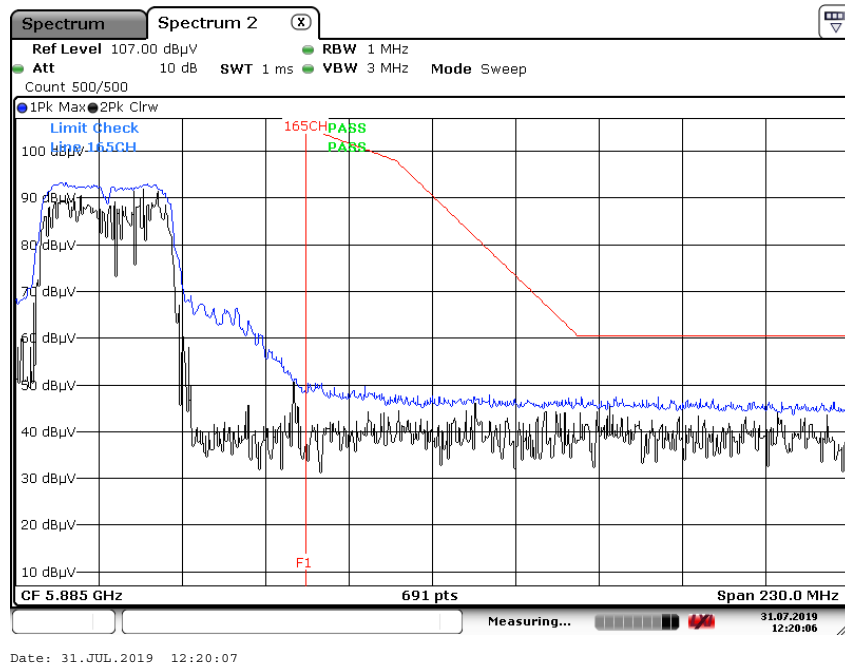
Peak Reading (802.11ac_VHT20, Ch.165, X-H)



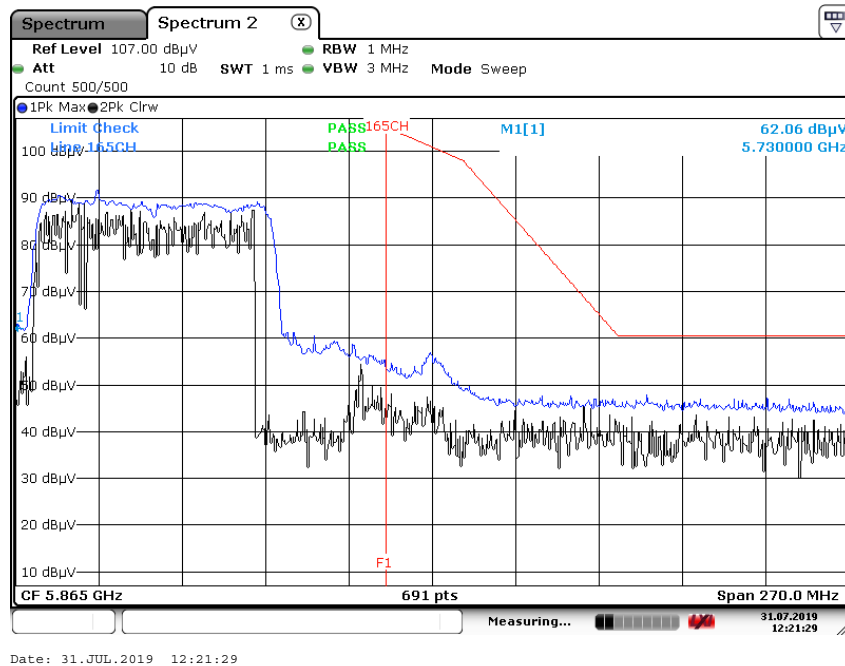
Peak Reading (802.11n_HT40, Ch.159, X-H)



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



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



10.10 POWERLINE CONDUCTED EMISSIONS

Conducted Emissions (Line 1)

Test

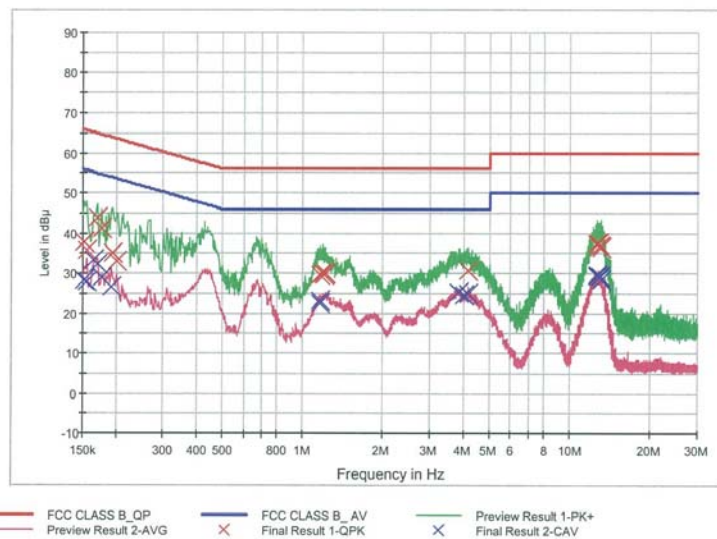
1 / 2

HCT TEST Report

Common Information

EUT: SM-M307FN/DS
 Manufacturer: SAMSUNG
 Test Site: SHIELD ROOM
 Operating Conditions: WLAN 5G MODE L1

FCC CLASS B_Exten Cable



Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	37.8	9.000	Off	L1	9.7	28.1	65.9
0.156000	35.7	9.000	Off	L1	9.7	30.0	65.7
0.170000	43.8	9.000	Off	L1	9.7	21.2	65.0
0.176000	41.1	9.000	Off	L1	9.7	23.6	64.7
0.194000	35.0	9.000	Off	L1	9.7	28.9	63.9
0.202000	33.0	9.000	Off	L1	9.7	30.5	63.5
1.166000	29.7	9.000	Off	L1	9.8	26.3	56.0
1.192000	30.1	9.000	Off	L1	9.8	25.9	56.0
1.202000	29.5	9.000	Off	L1	9.8	26.5	56.0
1.214000	30.1	9.000	Off	L1	9.8	25.9	56.0
4.156000	30.8	9.000	Off	L1	10.0	25.2	56.0
4.176000	30.6	9.000	Off	L1	10.0	25.4	56.0
12.644000	37.2	9.000	Off	L1	10.3	22.8	60.0
12.652000	37.2	9.000	Off	L1	10.3	22.8	60.0
12.666000	37.4	9.000	Off	L1	10.3	22.6	60.0
12.712000	37.3	9.000	Off	L1	10.3	22.7	60.0
12.978000	36.9	9.000	Off	L1	10.3	23.1	60.0
13.044000	36.4	9.000	Off	L1	10.3	23.6	60.0

2019-07-24

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Test

2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	28.4	9.000	Off	L1	9.7	27.5	55.9
0.156000	28.0	9.000	Off	L1	9.7	27.6	55.7
0.164000	33.3	9.000	Off	L1	9.7	21.9	55.3
0.170000	32.3	9.000	Off	L1	9.7	22.7	55.0
0.176000	29.0	9.000	Off	L1	9.7	25.6	54.7
0.192000	26.6	9.000	Off	L1	9.7	27.4	53.9
1.156000	22.6	9.000	Off	L1	9.8	23.4	46.0
1.166000	23.1	9.000	Off	L1	9.8	22.9	46.0
3.828000	25.3	9.000	Off	L1	10.0	20.7	46.0
4.022000	24.4	9.000	Off	L1	10.0	21.6	46.0
4.036000	24.6	9.000	Off	L1	10.0	21.4	46.0
4.176000	25.0	9.000	Off	L1	10.0	21.0	46.0
12.644000	29.5	9.000	Off	L1	10.3	20.5	50.0
12.648000	29.5	9.000	Off	L1	10.3	20.5	50.0
12.666000	29.5	9.000	Off	L1	10.3	20.5	50.0
12.894000	29.3	9.000	Off	L1	10.3	20.7	50.0
12.978000	29.0	9.000	Off	L1	10.3	21.0	50.0
13.044000	28.5	9.000	Off	L1	10.3	21.5	50.0

2019-07-24

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Conducted Emissions (Line 2)

Test

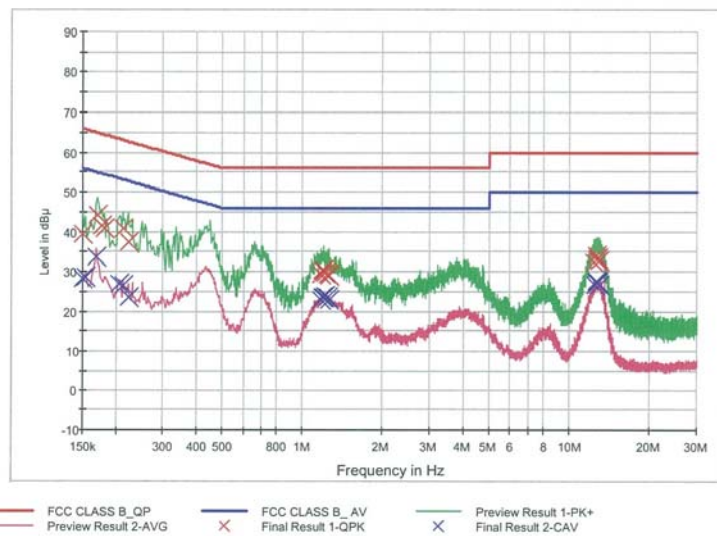
1 / 2

HCT TEST Report

Common Information

EUT: SM-M307FN/DS
 Manufacturer: SAMSUNG
 Test Site: SHIELD ROOM
 Operating Conditions: WLAN 5G MODE 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	39.6	9.000	Off	N	9.8	26.4	66.0
0.170000	44.3	9.000	Off	N	9.8	20.7	65.0
0.176000	41.7	9.000	Off	N	9.8	23.0	64.7
0.180000	40.8	9.000	Off	N	9.8	23.7	64.5
0.212000	41.0	9.000	Off	N	9.9	22.1	63.1
0.222000	37.4	9.000	Off	N	9.9	25.4	62.7
1.178000	29.4	9.000	Off	N	10.0	26.6	56.0
1.190000	30.4	9.000	Off	N	10.0	25.6	56.0
1.208000	30.4	9.000	Off	N	10.0	25.6	56.0
1.216000	29.8	9.000	Off	N	10.0	26.2	56.0
1.242000	29.4	9.000	Off	N	10.0	26.6	56.0
1.256000	28.9	9.000	Off	N	10.0	27.1	56.0
12.374000	32.4	9.000	Off	N	10.6	27.6	60.0
12.632000	33.0	9.000	Off	N	10.6	27.0	60.0
12.674000	34.2	9.000	Off	N	10.6	25.8	60.0
12.682000	33.1	9.000	Off	N	10.6	26.9	60.0
12.774000	33.3	9.000	Off	N	10.6	26.7	60.0
12.972000	32.8	9.000	Off	N	10.6	27.2	60.0

2019-07-24

오후 9:24:52

Test

2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	28.5	9.000	Off	N	9.8	27.5	56.0
0.154000	28.8	9.000	Off	N	9.8	27.0	55.8
0.168000	33.8	9.000	Off	N	9.8	21.2	55.1
0.206000	26.8	9.000	Off	N	9.9	26.6	53.4
0.212000	26.6	9.000	Off	N	9.9	26.5	53.1
0.222000	23.5	9.000	Off	N	9.9	29.3	52.7
1.178000	23.0	9.000	Off	N	10.0	23.0	46.0
1.190000	23.5	9.000	Off	N	10.0	22.5	46.0
1.206000	23.7	9.000	Off	N	10.0	22.3	46.0
1.216000	23.9	9.000	Off	N	10.0	22.1	46.0
1.242000	23.6	9.000	Off	N	10.0	22.4	46.0
1.256000	23.0	9.000	Off	N	10.0	23.0	46.0
12.500000	26.6	9.000	Off	N	10.6	23.4	50.0
12.504000	26.6	9.000	Off	N	10.6	23.4	50.0
12.628000	27.7	9.000	Off	N	10.6	22.3	50.0
12.632000	27.3	9.000	Off	N	10.6	22.8	50.0
12.706000	27.2	9.000	Off	N	10.6	22.8	50.0
12.974000	26.6	9.000	Off	N	10.6	23.4	50.0

2019-07-24

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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	06/18/2019	Annual	100033
ESPAC	SU-642 / Temperature Chamber	03/12/2019	Annual	0093008124
Agilent	N9020A / Signal Analyzer	05/23/2019	Annual	MY51110085
Agilent	N9020A / Signal Analyzer	05/24/2019	Annual	MY52090906
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	11/20/2018	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	09/03/2018	Annual	100688
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/28/2018	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-1908-FC016-P