

[ANT2]

Test Plots(UNII 3 Band 6dB Bandwidth)

802.11a CH.144



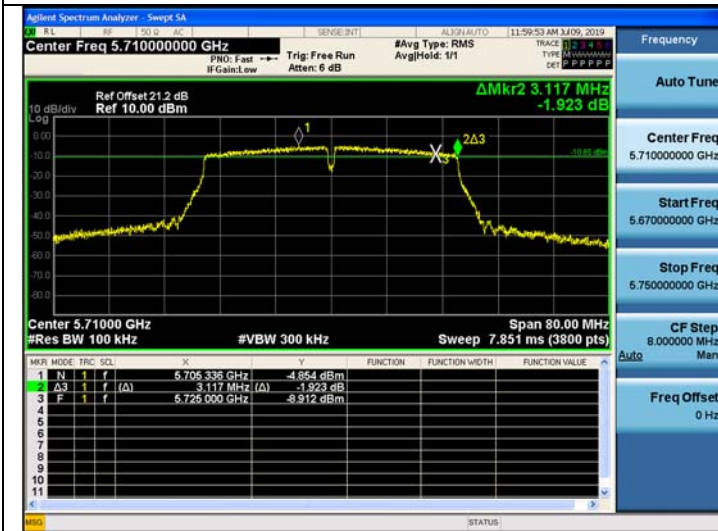
802.11n_HT20 CH.144



802.11ac_VHT20 CH.144



802.11n_HT40 CH.142



802.11ac_VHT40 CH.142



802.11ac_VHT80 CH.138



10.6.3 Output Power

[ANT1]

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	12.49	12.49	23.98
802.11n(HT20)			12.35	12.35	24.04
802.11ac(VHT20)			12.44	12.44	24.07
802.11a	5720 (UNII 3 Band)	144	4.83	4.83	30.00
802.11n(HT20)			5.15	5.15	30.00
802.11ac(VHT20)			5.26	5.26	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Total Power (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	12.64	12.64	27.08
802.11ac(VHT40)			12.77	12.77	27.06
802.11n(HT40)	5710 (UNII 3 Band)	142	0.48	0.48	30.00
802.11ac(VHT40)			0.57	0.57	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	13.41	13.41	30.07
	5690 (UNII 3 Band)	138	-1.57	-1.57	30.00

[ANT2]

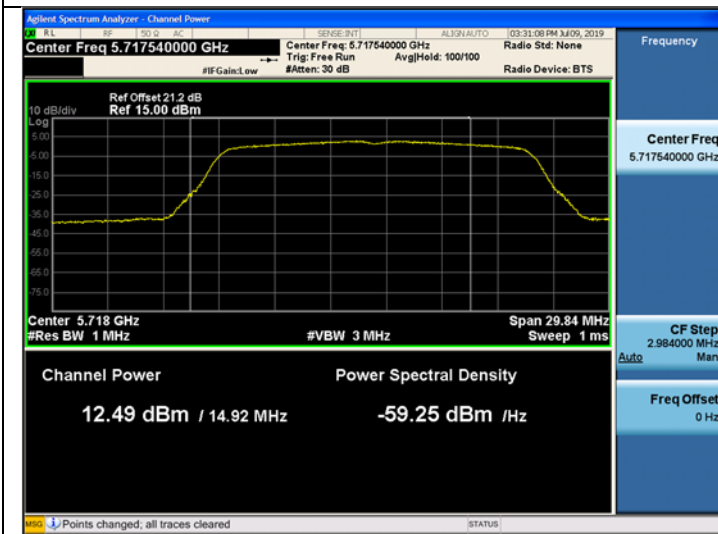
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	10.63	10.63	23.98
802.11n(HT20)			10.48	10.48	24.04
802.11ac(VHT20)			10.51	10.51	24.08
802.11a	5720 (UNII 3 Band)	144	2.96	2.96	30.00
802.11n(HT20)			3.31	3.31	30.00
802.11ac(VHT20)			3.33	3.33	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Total Power (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	10.58	10.58	27.06
802.11ac(VHT40)			10.86	10.86	27.08
802.11n(HT40)	5710 (UNII 3 Band)	142	-1.47	-1.47	30.00
802.11ac(VHT40)			-1.18	-1.18	30.00

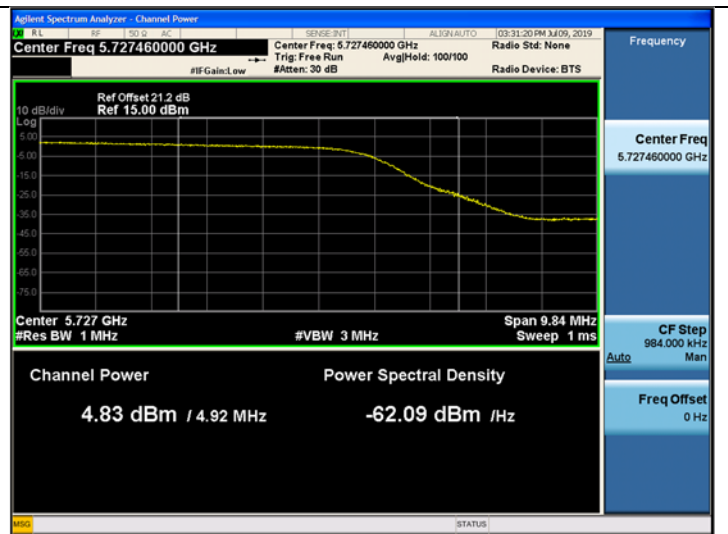
Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	11.65	11.65	30.07
	5690 (UNII 3 Band)	138	-2.87	-2.87	30.00

Test Plots [ANT1]

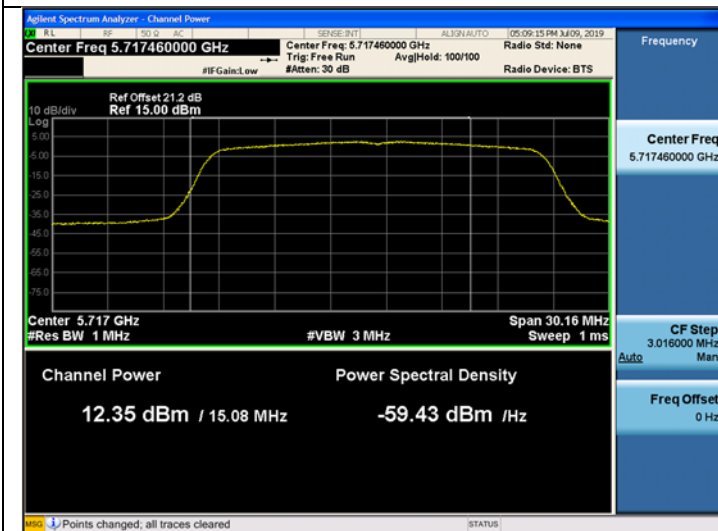
802.11a UNII 2C Band



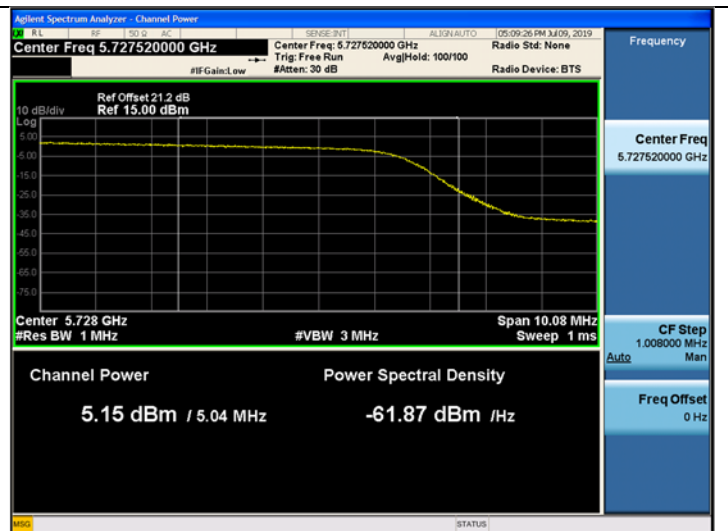
802.11a UNII 3 Band



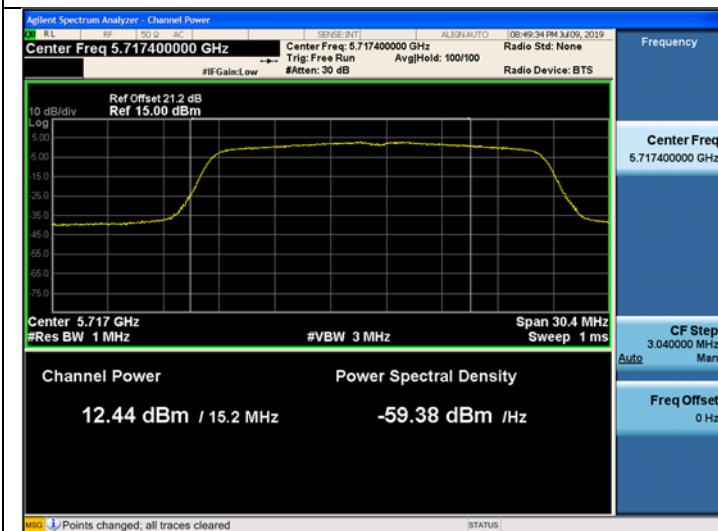
802.11n(HT20) UNII 2C Band



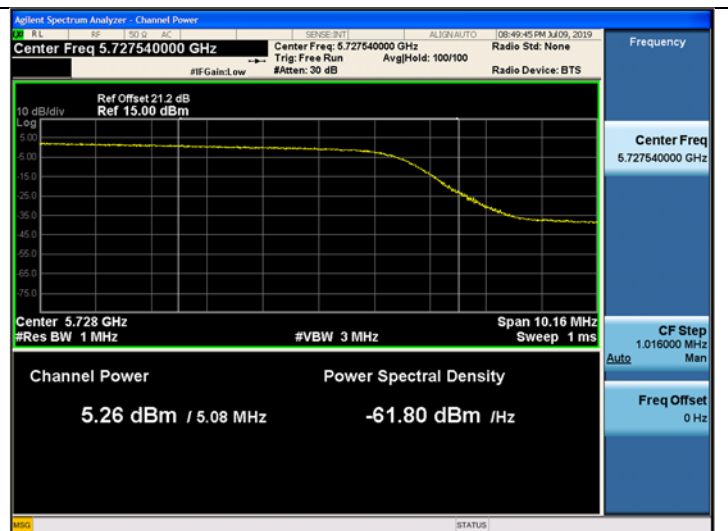
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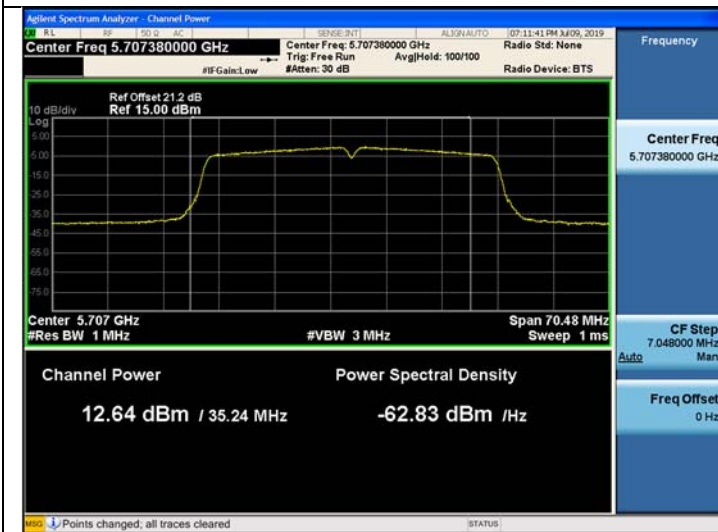
802.11ac(VHT20) UNII 2C Band



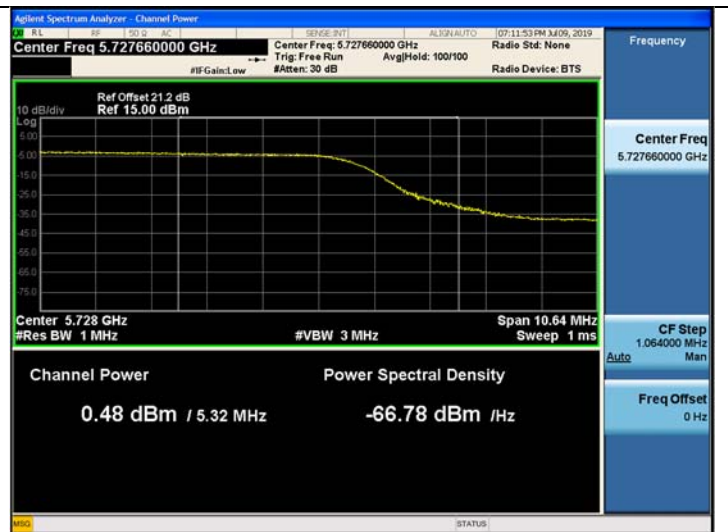
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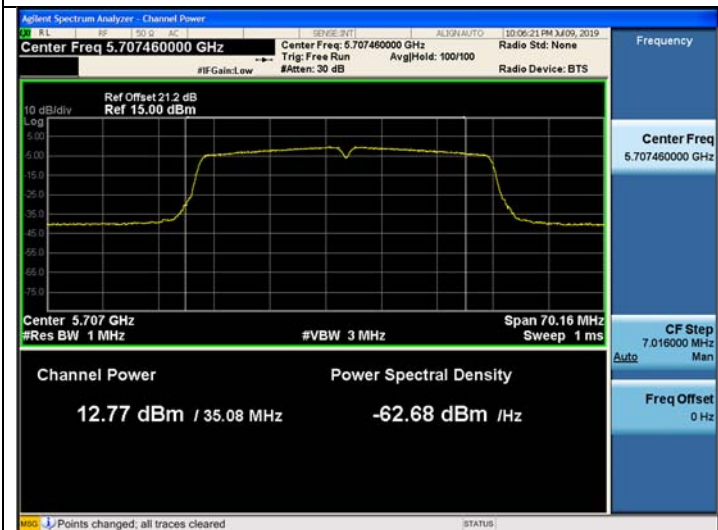
802.11n(HT40) UNII 2C Band



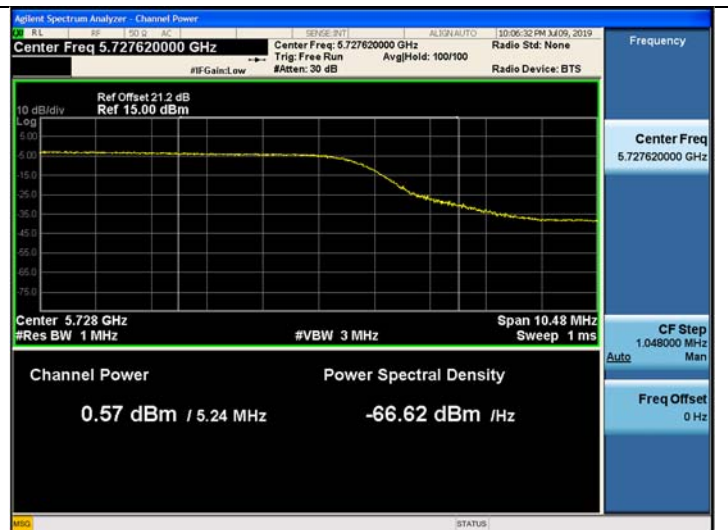
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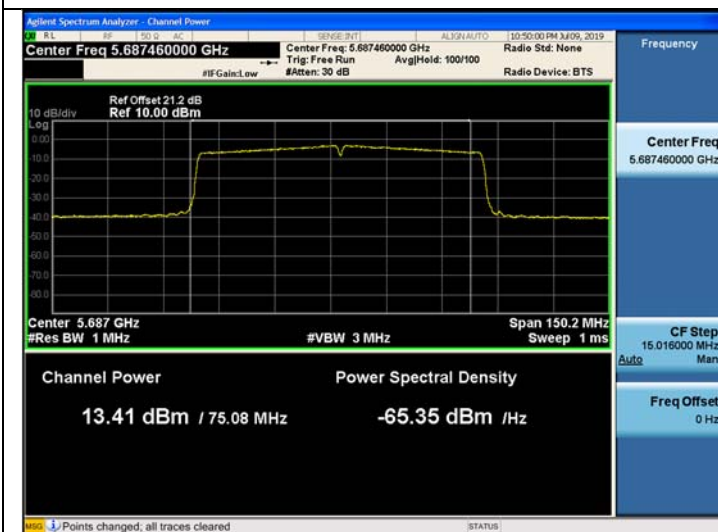
802.11ac(VHT40) UNII 2C Band



802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band

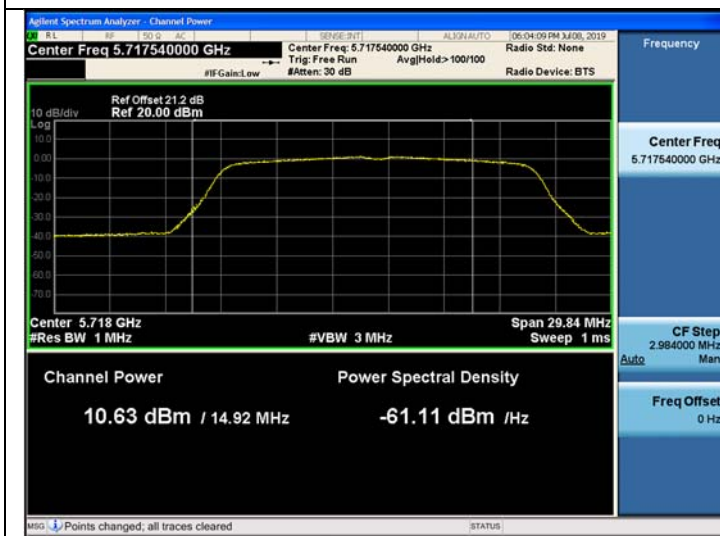


802.11ac(VHT80) UNII 3 Band

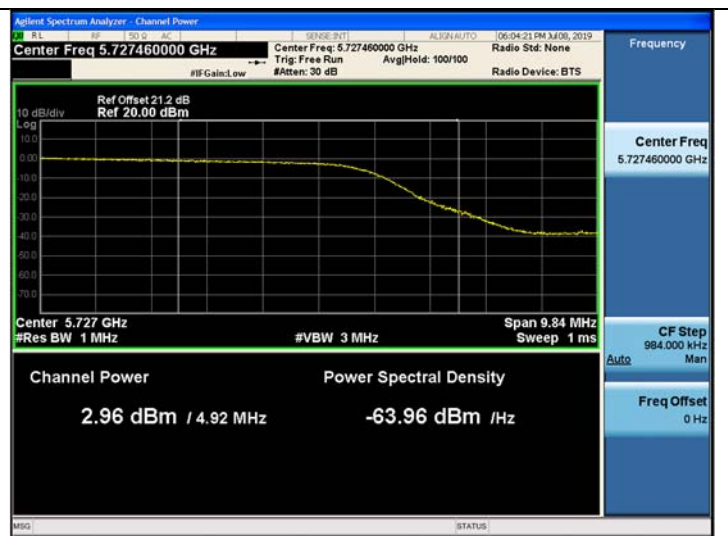


■ Test Plots_[ANT2]

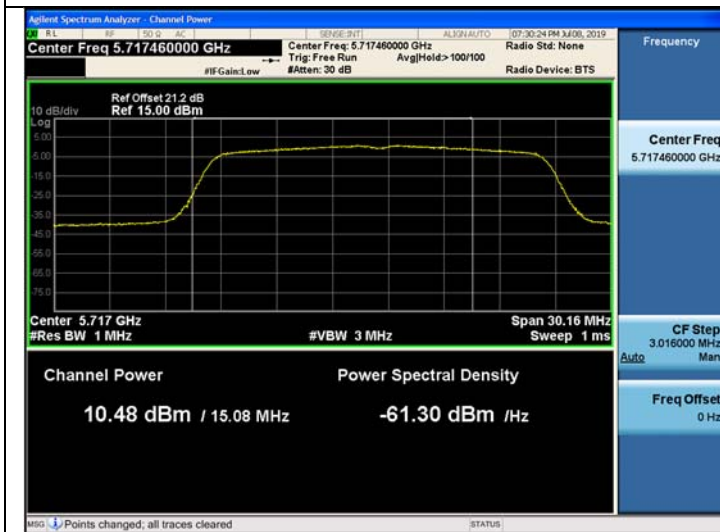
802.11a UNII 2C Band



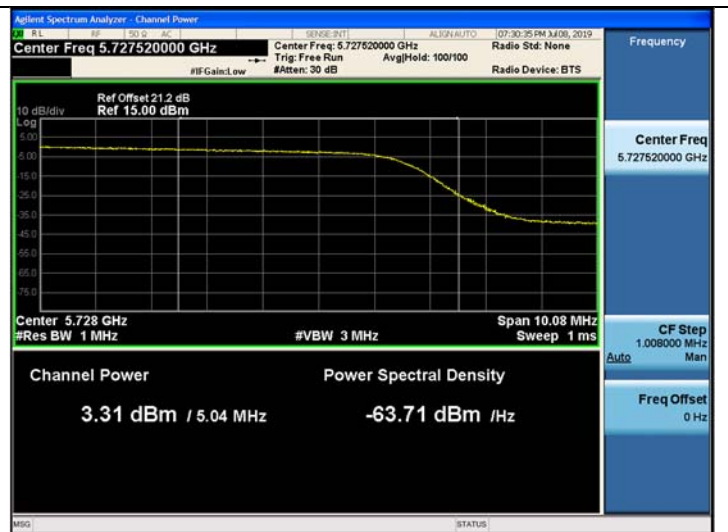
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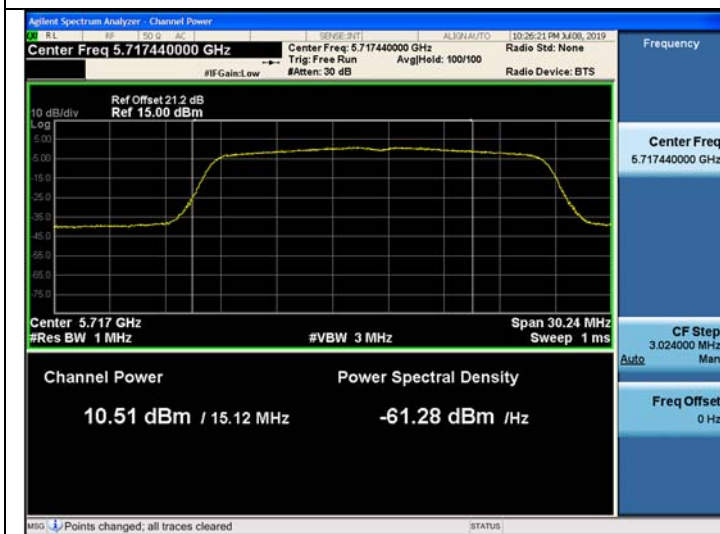
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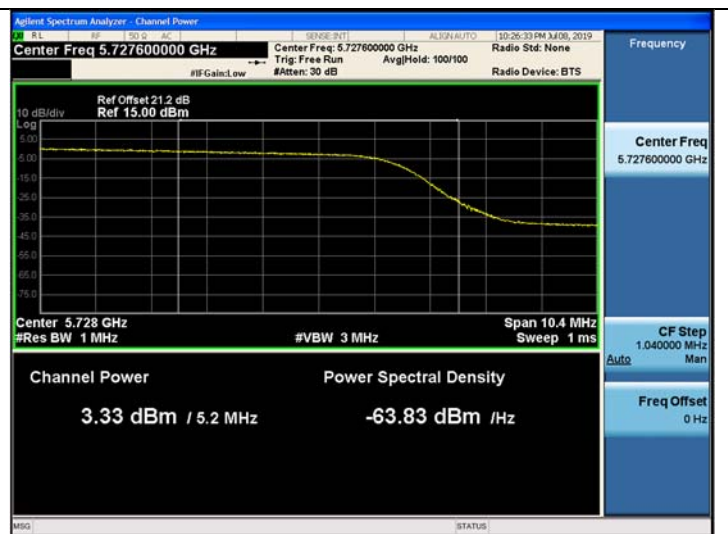
802.11n(HT20) UNII 3 Band



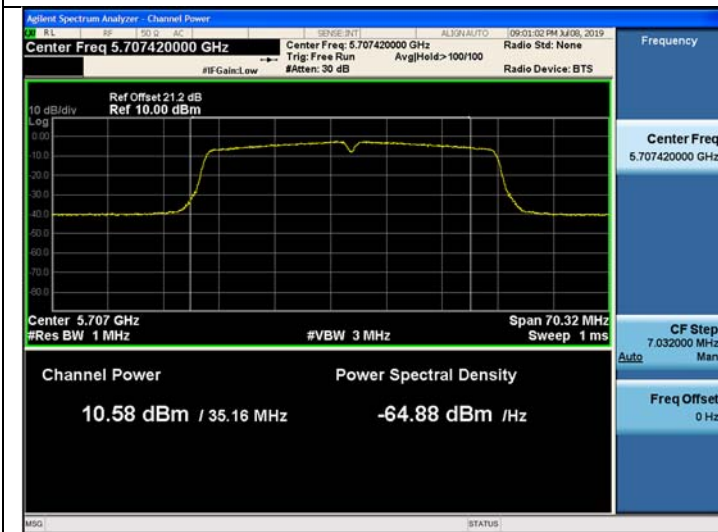
802.11ac(VHT20) UNII 2C Band



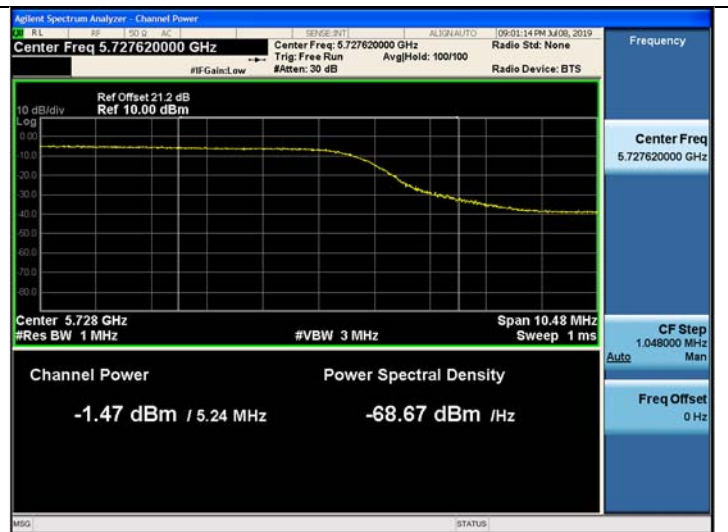
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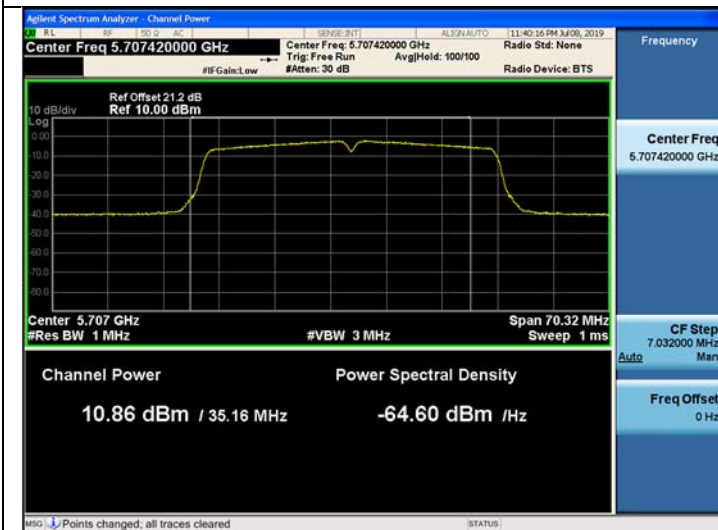
802.11n(HT40) UNII 2C Band



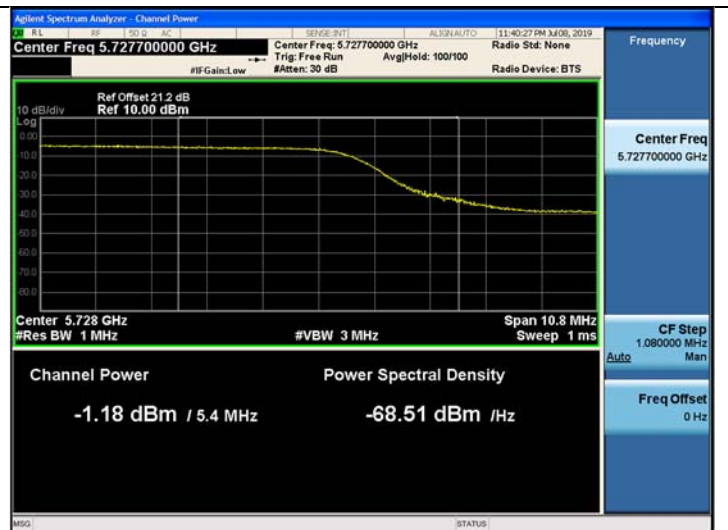
802.11n(HT40) UNII 3 Band



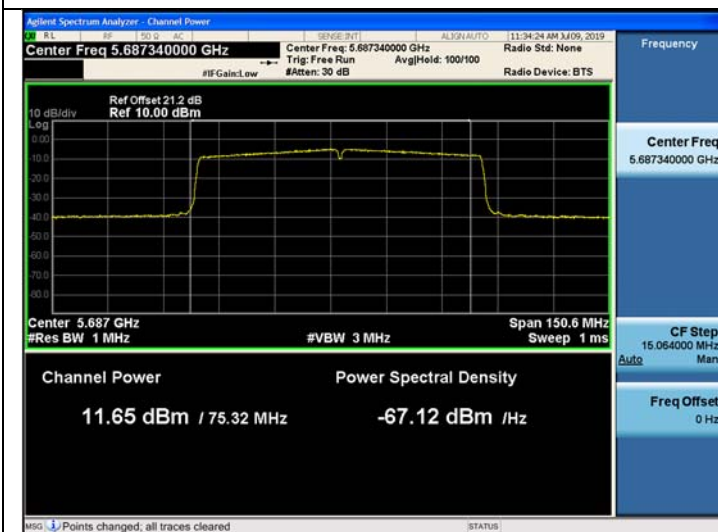
802.11ac(VHT40) UNII 2C Band



802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



10.6.4 Power Spectral Density

[ANT1]

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	3.010	3.010	11.00
802.11n(HT20)			2.958	2.958	11.00
802.11ac(VHT20)			2.878	2.878	11.00
802.11a	5720 (UNII 3 Band)	144	-1.787	-1.787	30.00
802.11n(HT20)			-1.867	-1.867	30.00
802.11ac(VHT20)			-1.767	-1.767	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	-0.358	-0.358	11.00
802.11ac(VHT40)			0.067	0.067	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-6.595	-6.595	30.00
802.11ac(VHT40)			-6.606	-6.606	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-2.780	-2.780	11.00
	5690 (UNII 3 Band)	138	-8.919	-8.919	30.00

[ANT2]

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	1.205	1.205	11.00
802.11n(HT20)			1.078	1.078	11.00
802.11ac(VHT20)			0.930	0.930	11.00
802.11a	5720 (UNII 3 Band)	144	-3.528	-3.528	30.00
802.11n(HT20)			-3.699	-3.699	30.00
802.11ac(VHT20)			-3.692	-3.692	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	-2.231	-2.231	11.00
802.11ac(VHT40)			-1.941	-1.941	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-8.408	-8.408	30.00
802.11ac(VHT40)			-8.348	-8.348	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-4.470	-4.470	11.00
	5690 (UNII 3 Band)	138	-10.606	-10.606	30.00

Test Plots_[ANT1]

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

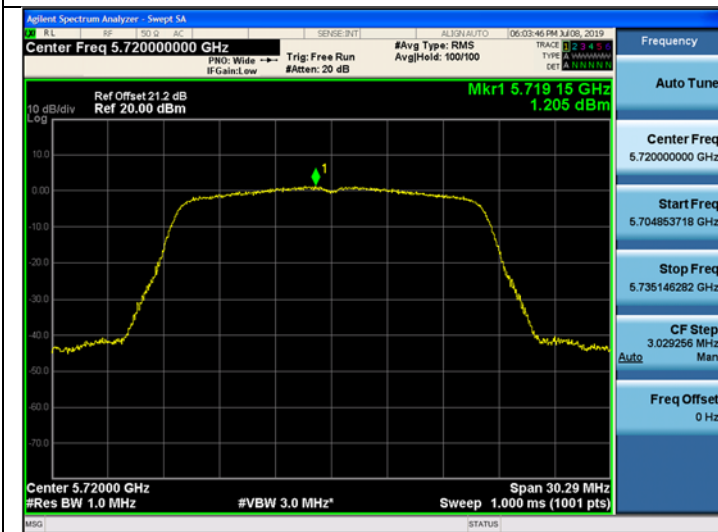


802.11ac(VHT80) UNII 3 Band



Test Plots_[ANT2]

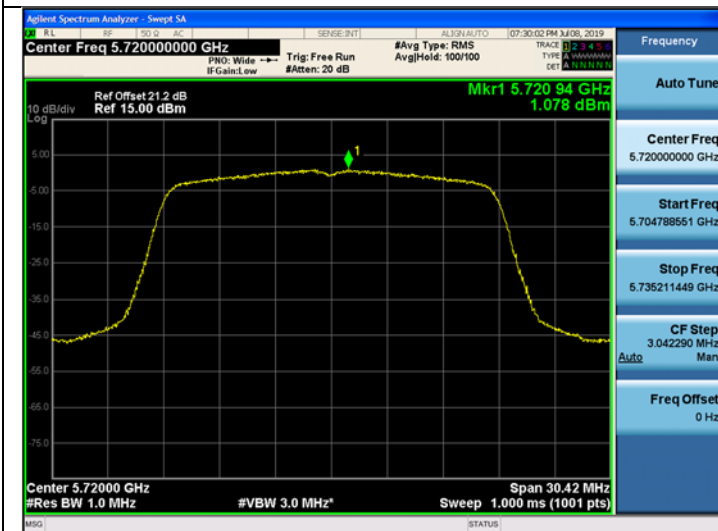
802.11a UNII 2C Band



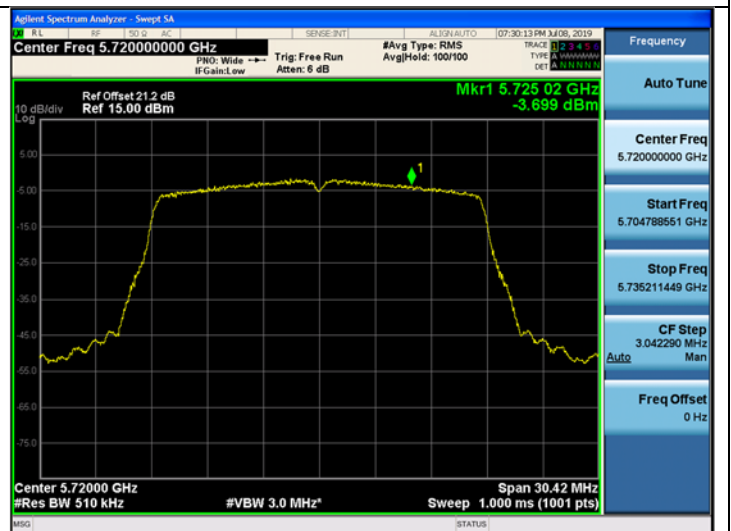
802.11a UNII 3 Band



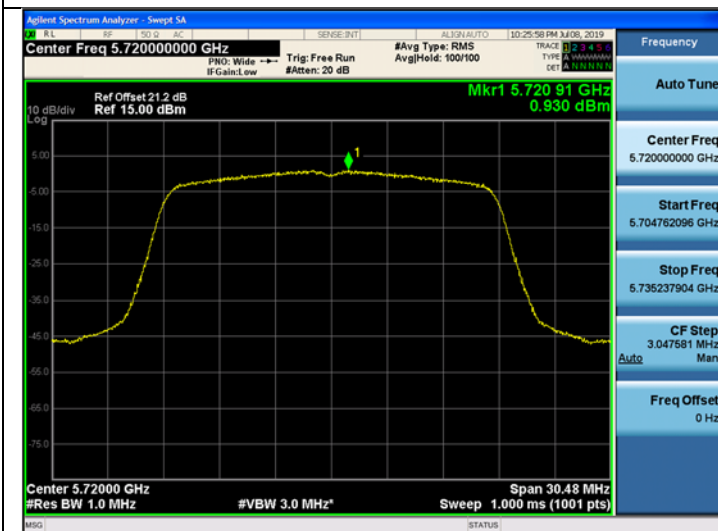
802.11n(HT20) UNII 2C Band



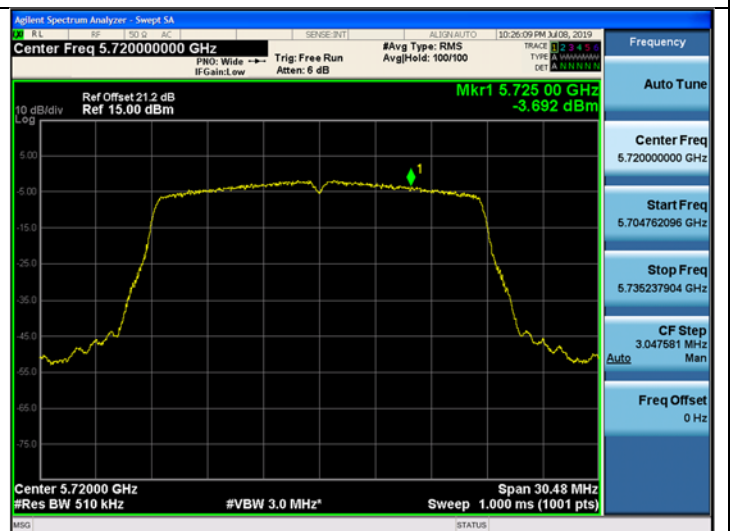
802.11n(HT20) UNII 3 Band



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 RADIATED SPURIOUS EMISSIONS

Frequency Range : 9 kHz – 30MHz

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

Note:

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

Frequency Range : Below 1 GHz

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

Note:

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

Frequency Range : Above 1 GHz

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

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10360	60.73	4.10	V	64.83	68.20	3.37	PK
15540	52.83	5.36	V	58.19	73.98	15.79	PK
15540	39.22	5.36	V	44.58	53.98	9.40	AV
10360	60.50	4.10	H	64.60	68.20	3.60	PK
15540	52.68	5.36	H	58.04	73.98	15.94	PK
15540	38.50	5.36	H	43.86	53.98	10.12	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10400	60.93	3.87	V	64.80	68.20	3.40	PK
15600	50.60	4.75	V	55.35	73.98	18.63	PK
15600	37.15	4.75	V	41.90	53.98	12.08	AV
10400	60.32	3.87	H	64.19	68.20	4.01	PK
15600	50.15	4.75	H	54.90	73.98	19.08	PK
15600	36.36	4.75	H	41.11	53.98	12.87	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10480	59.77	4.52	V	64.29	68.20	3.91	PK
15720	49.96	3.58	V	53.54	73.98	20.44	PK
15720	36.34	3.58	V	39.92	53.98	14.06	AV
10480	59.16	4.52	H	63.68	68.20	4.52	PK
15720	49.85	3.58	H	53.43	73.98	20.55	PK
15720	36.10	3.58	H	39.68	53.98	14.30	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10360	60.78	4.10	V	64.88	68.20	3.32	PK
15540	50.65	5.36	V	56.01	73.98	17.97	PK
15540	35.97	5.36	V	41.33	53.98	12.65	AV
10360	60.10	4.10	H	64.20	68.20	4.00	PK
15540	50.24	5.36	H	55.60	73.98	18.38	PK
15540	35.81	5.36	H	41.17	53.98	12.81	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10400	60.23	3.87	V	64.10	68.20	4.10	PK
15600	50.84	4.75	V	55.59	73.98	18.39	PK
15600	36.44	4.75	V	41.19	53.98	12.79	AV
10400	59.99	3.87	H	63.86	68.20	4.34	PK
15600	50.68	4.75	H	55.43	73.98	18.55	PK
15600	36.02	4.75	H	40.77	53.98	13.21	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10480	59.54	4.52	V	64.06	68.20	4.14	PK
15720	49.93	3.58	V	53.51	73.98	20.47	PK
15720	36.51	3.58	V	40.09	53.98	13.89	AV
10480	59.11	4.52	H	63.63	68.20	4.57	PK
15720	49.85	3.58	H	53.43	73.98	20.55	PK
15720	36.24	3.58	H	39.82	53.98	14.16	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10360	61.03	4.10	V	65.13	68.20	3.07	PK
15540	50.53	5.36	V	55.89	73.98	18.09	PK
15540	36.88	5.36	V	42.24	53.98	11.74	AV
10360	60.34	4.10	H	64.44	68.20	3.76	PK
15540	50.04	5.36	H	55.40	73.98	18.58	PK
15540	36.17	5.36	H	41.53	53.98	12.45	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10400	60.76	3.87	V	64.63	68.20	3.57	PK
15600	50.70	4.75	V	55.45	73.98	18.53	PK
15600	36.79	4.75	V	41.54	53.98	12.44	AV
10400	60.34	3.87	H	64.21	68.20	3.99	PK
15600	50.16	4.75	H	54.91	73.98	19.07	PK
15600	36.18	4.75	H	40.93	53.98	13.05	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10480	59.55	4.52	V	64.07	68.20	4.13	PK
15720	51.44	3.58	V	55.02	73.98	18.96	PK
15720	36.64	3.58	V	40.22	53.98	13.76	AV
10480	59.19	4.52	H	63.71	68.20	4.49	PK
15720	51.07	3.58	H	54.65	73.98	19.33	PK
15720	36.24	3.58	H	39.82	53.98	14.16	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10380	56.44	4.09	V	60.53	68.20	7.67	PK
15570	49.44	4.73	V	54.17	73.98	19.81	PK
15570	36.10	4.73	V	40.83	53.98	13.15	AV
10380	56.09	4.09	H	60.18	68.20	8.02	PK
15570	49.10	4.73	H	53.83	73.98	20.15	PK
15570	35.84	4.73	H	40.57	53.98	13.41	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10460	56.63	4.54	V	61.17	68.20	7.03	PK
15690	49.58	3.69	V	53.27	73.98	20.71	PK
15690	35.62	3.69	V	39.31	53.98	14.67	AV
10460	56.12	4.54	H	60.66	68.20	7.54	PK
15690	49.24	3.69	H	52.93	73.98	21.05	PK
15690	35.19	3.69	H	38.88	53.98	15.10	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10380	56.86	4.09	V	60.95	68.20	7.25	PK
15570	49.37	4.73	V	54.10	73.98	19.88	PK
15570	35.97	4.73	V	40.70	53.98	13.28	AV
10380	56.71	4.09	H	60.80	68.20	7.40	PK
15570	49.12	4.73	H	53.85	73.98	20.13	PK
15570	35.66	4.73	H	40.39	53.98	13.59	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10460	56.70	4.54	V	61.24	68.20	6.96	PK
15690	49.34	3.69	V	53.03	73.98	20.95	PK
15690	35.64	3.69	V	39.33	53.98	14.65	AV
10460	56.24	4.54	H	60.78	68.20	7.42	PK
15690	49.04	3.69	H	52.73	73.98	21.25	PK
15690	35.19	3.69	H	38.88	53.98	15.10	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10420	54.47	3.79	V	58.26	68.20	9.94	PK
15630	48.54	4.02	V	52.56	73.98	21.42	PK
15630	35.55	4.02	V	39.57	53.98	14.41	AV
10420	54.12	3.79	H	57.91	68.20	10.29	PK
15630	48.24	4.02	H	52.26	73.98	21.72	PK
15630	35.21	4.02	H	39.23	53.98	14.75	AV

Band : UNII 2A

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5260 MHz

Channel No. 52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10520	60.49	4.70	V	65.19	68.20	3.01	PK
15780	49.86	3.76	V	53.62	73.98	20.36	PK
15780	36.51	3.76	V	40.27	53.98	13.71	AV
10520	60.12	4.70	H	64.82	68.20	3.38	PK
15780	49.56	3.76	H	53.32	73.98	20.66	PK
15780	36.28	3.76	H	40.04	53.98	13.94	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10600	49.43	4.27	V	53.70	73.98	20.28	PK
10600	45.51	4.27	V	49.78	53.98	4.20	AV
15900	48.51	4.58	V	53.09	73.98	20.89	PK
15900	35.58	4.58	V	40.16	53.98	13.82	AV
10600	49.20	4.27	H	53.47	73.98	20.51	PK
10600	45.17	4.27	H	49.44	53.98	4.54	AV
15900	48.30	4.58	H	52.88	73.98	21.10	PK
15900	35.19	4.58	H	39.77	53.98	14.21	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 G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10640	58.46	4.40	V	62.86	73.98	11.12	PK
10640	44.23	4.40	V	48.63	53.98	5.35	AV
15960	50.42	4.03	V	54.45	73.98	19.53	PK
15960	36.43	4.03	V	40.46	53.98	13.52	AV
10640	57.90	4.40	H	62.30	73.98	11.68	PK
10640	44.03	4.40	H	48.43	53.98	5.55	AV
15960	50.02	4.03	H	54.05	73.98	19.93	PK
15960	36.11	4.03	H	40.14	53.98	13.84	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10520	60.21	4.70	V	64.91	68.20	3.29	PK
15780	49.19	3.76	V	52.95	73.98	21.03	PK
15780	35.84	3.76	V	39.60	53.98	14.38	AV
10520	59.87	4.70	H	64.57	68.20	3.63	PK
15780	48.54	3.76	H	52.30	73.98	21.68	PK
15780	35.19	3.76	H	38.95	53.98	15.03	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10600	60.42	4.27	V	64.69	73.98	9.29	PK
10600	45.30	4.27	V	49.57	53.98	4.41	AV
15900	50.43	4.58	V	55.01	73.98	18.97	PK
15900	35.74	4.58	V	40.32	53.98	13.66	AV
10600	60.12	4.27	H	64.39	73.98	9.59	PK
10600	45.10	4.27	H	49.37	53.98	4.61	AV
15900	50.08	4.58	H	54.66	73.98	19.32	PK
15900	35.41	4.58	H	39.99	53.98	13.99	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10640	58.21	4.40	V	62.61	73.98	11.37	PK
10640	43.39	4.40	V	47.79	53.98	6.19	AV
15960	49.90	4.03	V	53.93	73.98	20.05	PK
15960	36.07	4.03	V	40.10	53.98	13.88	AV
10640	57.94	4.40	H	62.34	73.98	11.64	PK
10640	43.20	4.40	H	47.60	53.98	6.38	AV
15960	49.57	4.03	H	53.60	73.98	20.38	PK
15960	35.83	4.03	H	39.86	53.98	14.12	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10520	60.32	4.70	V	65.02	68.20	3.18	PK
15780	50.34	3.76	V	54.10	73.98	19.88	PK
15780	36.39	3.76	V	40.15	53.98	13.83	AV
10520	60.16	4.70	H	64.86	68.20	3.34	PK
15780	50.14	3.76	H	53.90	73.98	20.08	PK
15780	36.19	3.76	H	39.95	53.98	14.03	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10600	59.38	4.27	V	63.65	73.98	10.33	PK
10600	44.37	4.27	V	48.64	53.98	5.34	AV
15900	49.44	4.58	V	54.02	73.98	19.96	PK
15900	35.47	4.58	V	40.05	53.98	13.93	AV
10600	59.20	4.27	H	63.47	73.98	10.51	PK
10600	44.11	4.27	H	48.38	53.98	5.60	AV
15900	49.15	4.58	H	53.73	73.98	20.25	PK
15900	35.17	4.58	H	39.75	53.98	14.23	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10640	58.29	4.40	V	62.69	73.98	11.29	PK
10640	43.90	4.40	V	48.30	53.98	5.68	AV
15960	49.55	4.03	V	53.58	73.98	20.40	PK
15960	36.22	4.03	V	40.25	53.98	13.73	AV
10640	57.89	4.40	H	62.29	73.98	11.69	PK
10640	43.61	4.40	H	48.01	53.98	5.97	AV
15960	49.16	4.03	H	53.19	73.98	20.79	PK
15960	35.92	4.03	H	39.95	53.98	14.03	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10540	55.89	5.03	V	60.92	68.20	7.28	PK
15810	47.61	4.69	V	52.30	73.98	21.68	PK
15810	34.77	4.69	V	39.46	53.98	14.52	AV
10540	55.26	5.03	H	60.29	68.20	7.91	PK
15810	47.33	4.69	H	52.02	73.98	21.96	PK
15810	34.29	4.69	H	38.98	53.98	15.00	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10620	54.42	4.92	V	59.34	73.98	14.64	PK
10620	41.15	4.92	V	46.07	53.98	7.91	AV
15930	48.67	4.50	V	53.17	73.98	20.81	PK
15930	34.31	4.50	V	38.81	53.98	15.17	AV
10620	54.23	4.92	H	59.15	73.98	14.83	PK
10620	40.81	4.92	H	45.73	53.98	8.25	AV
15930	48.15	4.50	H	52.65	73.98	21.33	PK
15930	34.05	4.50	H	38.55	53.98	15.43	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10540	55.89	5.03	V	60.92	68.20	7.28	PK
15810	48.46	4.69	V	53.15	73.98	20.83	PK
15810	34.81	4.69	V	39.50	53.98	14.48	AV
10540	55.61	5.03	H	60.64	68.20	7.56	PK
15810	48.02	4.69	H	52.71	73.98	21.27	PK
15810	34.25	4.69	H	38.94	53.98	15.04	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10620	56.54	4.92	V	61.46	73.98	12.52	PK
10620	41.27	4.92	V	46.19	53.98	7.79	AV
15930	47.44	4.50	V	51.94	73.98	22.04	PK
15930	34.29	4.50	V	38.79	53.98	15.19	AV
10620	56.20	4.92	H	61.12	73.98	12.86	PK
10620	40.98	4.92	H	45.90	53.98	8.08	AV
15930	47.05	4.50	H	51.55	73.98	22.43	PK
15930	33.95	4.50	H	38.45	53.98	15.53	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
10580	54.03	4.02	V	58.05	68.20	10.15	PK
15870	47.92	5.51	V	53.43	73.98	20.55	PK
15870	34.44	5.51	V	39.95	53.98	14.03	AV
10580	53.39	4.02	H	57.41	68.20	10.79	PK
15870	47.55	5.51	H	53.06	73.98	20.92	PK
15870	34.16	5.51	H	39.67	53.98	14.31	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 G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11000	54.15	4.29	V	58.44	73.98	15.54	PK
11000	39.13	4.29	V	43.42	53.98	10.56	AV
16500	53.61	6.22	V	59.83	68.20	8.37	PK
11000	53.24	4.29	H	57.53	73.98	16.45	PK
11000	38.16	4.29	H	42.45	53.98	11.53	AV
16500	53.23	6.22	H	59.45	68.20	8.75	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	55.28	4.28	V	59.56	73.98	14.42	PK
11160	40.80	4.28	V	45.08	53.98	8.90	AV
16740	52.33	7.73	V	60.06	68.20	8.14	PK
11160	54.81	4.28	H	59.09	73.98	14.89	PK
11160	40.12	4.28	H	44.40	53.98	9.58	AV
16740	51.68	7.73	H	59.41	68.20	8.79	PK

Band : UNII 2C

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5720 MHz

Channel No. 144 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11440	55.82	4.38	V	60.20	73.98	13.78	PK
11440	42.01	4.38	V	46.39	53.98	7.59	AV
17160	52.73	8.77	V	61.50	68.20	6.70	PK
11440	55.03	4.38	H	59.41	73.98	14.57	PK
11440	41.27	4.38	H	45.65	53.98	8.33	AV
17160	52.16	8.77	H	60.93	68.20	7.27	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11000	53.04	4.29	V	57.33	73.98	16.65	PK
11000	38.80	4.29	V	43.09	53.98	10.89	AV
16500	52.45	6.22	V	58.67	68.20	9.53	PK
11000	52.54	4.29	H	56.83	73.98	17.15	PK
11000	38.41	4.29	H	42.70	53.98	11.28	AV
16500	52.11	6.22	H	58.33	68.20	9.87	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	54.40	4.28	V	58.68	73.98	15.30	PK
11160	40.61	4.28	V	44.89	53.98	9.09	AV
16740	51.08	7.73	V	58.81	68.20	9.39	PK
11160	53.98	4.28	H	58.26	73.98	15.72	PK
11160	40.21	4.28	H	44.49	53.98	9.49	AV
16740	50.86	7.73	H	58.59	68.20	9.61	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11440	55.75	4.38	V	60.13	73.98	13.85	PK
11440	41.47	4.38	V	45.85	53.98	8.13	AV
17160	51.68	8.77	V	60.45	68.20	7.75	PK
11440	55.42	4.38	H	59.80	73.98	14.18	PK
11440	41.05	4.38	H	45.43	53.98	8.55	AV
17160	51.03	8.77	H	59.80	68.20	8.40	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11000	53.54	4.29	V	57.83	73.98	16.15	PK
11000	39.11	4.29	V	43.40	53.98	10.58	AV
16500	52.32	6.22	V	58.54	68.20	9.66	PK
11000	53.10	4.29	H	57.39	73.98	16.59	PK
11000	38.54	4.29	H	42.83	53.98	11.15	AV
16500	52.03	6.22	H	58.25	68.20	9.95	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT20)

Transfer MCS Index: MCS0

Operating Frequency 5580 MHz

Channel No. 116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11160	54.80	4.28	V	59.08	73.98	14.90	PK
11160	40.75	4.28	V	45.03	53.98	8.95	AV
16740	51.43	7.73	V	59.16	68.20	9.04	PK
11160	53.67	4.28	H	57.95	73.98	16.03	PK
11160	40.40	4.28	H	44.68	53.98	9.30	AV
16740	51.09	7.73	H	58.82	68.20	9.38	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11440	55.11	4.38	V	59.49	73.98	14.49	PK
11440	41.36	4.38	V	45.74	53.98	8.24	AV
17160	51.99	8.77	V	60.76	68.20	7.44	PK
11440	55.00	4.38	H	59.38	73.98	14.60	PK
11440	41.21	4.38	H	45.59	53.98	8.39	AV
17160	51.83	8.77	H	60.60	68.20	7.60	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11020	51.05	4.58	V	55.63	73.98	18.35	PK
11020	38.06	4.58	V	42.64	53.98	11.34	AV
16530	49.65	6.22	V	55.87	68.20	12.33	PK
11020	50.56	4.58	H	55.14	73.98	18.84	PK
11020	37.54	4.58	H	42.12	53.98	11.86	AV
16530	49.16	6.22	H	55.38	68.20	12.82	PK

Band : UNII 2C

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: MCS0

Operating Frequency 5590 MHz

Channel No. 110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11100	50.63	5.04	V	55.67	73.98	18.31	PK
11100	37.69	5.04	V	42.73	53.98	11.25	AV
16650	48.57	7.21	V	55.78	68.20	12.42	PK
11100	50.16	5.04	H	55.20	73.98	18.78	PK
11100	37.28	5.04	H	42.32	53.98	11.66	AV
16650	48.35	7.21	H	55.56	68.20	12.64	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11420	52.65	4.11	V	56.76	73.98	17.22	PK
11420	39.11	4.11	V	43.22	53.98	10.76	AV
17130	48.58	7.70	V	56.28	68.20	11.92	PK
11420	52.19	4.11	H	56.30	73.98	17.68	PK
11420	38.78	4.11	H	42.89	53.98	11.09	AV
17130	48.16	7.70	H	55.86	68.20	12.34	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11020	50.51	4.58	V	55.09	73.98	18.89	PK
11020	37.77	4.58	V	42.35	53.98	11.63	AV
16530	48.91	6.22	V	55.13	68.20	13.07	PK
11020	50.21	4.58	H	54.79	73.98	19.19	PK
11020	37.45	4.58	H	42.03	53.98	11.95	AV
16530	48.54	6.22	H	54.76	68.20	13.44	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

Operating Frequency 5590 MHz

Channel No. 110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11100	51.28	5.04	V	56.32	73.98	17.66	PK
11100	37.74	5.04	V	42.78	53.98	11.20	AV
16650	47.56	7.21	V	54.77	68.20	13.43	PK
11100	51.01	5.04	H	56.05	73.98	17.93	PK
11100	37.41	5.04	H	42.45	53.98	11.53	AV
16650	47.23	7.21	H	54.44	68.20	13.76	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11420	52.19	4.11	V	56.30	73.98	17.68	PK
11420	39.11	4.11	V	43.22	53.98	10.76	AV
17130	48.29	7.70	V	55.99	68.20	12.21	PK
11420	52.01	4.11	H	56.12	73.98	17.86	PK
11420	38.99	4.11	H	43.10	53.98	10.88	AV
17130	47.88	7.70	H	55.58	68.20	12.62	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11060	49.57	4.97	V	54.54	73.98	19.44	PK
11060	36.38	4.97	V	41.35	53.98	12.63	AV
16590	49.23	6.79	V	56.02	68.20	12.18	PK
11060	49.14	4.97	H	54.11	73.98	19.87	PK
11060	36.16	4.97	H	41.13	53.98	12.85	AV
16590	49.02	6.79	H	55.81	68.20	12.39	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11380	49.92	4.20	V	54.12	73.98	19.86	PK
11380	36.82	4.20	V	41.02	53.98	12.96	AV
17070	48.07	8.73	V	56.80	68.20	11.40	PK
11380	49.54	4.20	H	53.74	73.98	20.24	PK
11380	36.51	4.20	H	40.71	53.98	13.27	AV
17070	47.76	8.73	H	56.49	68.20	11.71	PK

Band : UNII 3

Operation Mode: 802.11 a

Transfer Rate: 6 Mbps

Operating Frequency 5745MHz

Channel No. 149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11490	56.03	4.19	V	60.22	73.98	13.76	PK
11490	42.40	4.19	V	46.59	53.98	7.39	AV
17235	53.27	9.09	V	62.36	68.20	5.84	PK
11490	55.17	4.19	H	59.36	73.98	14.62	PK
11490	41.98	4.19	H	46.17	53.98	7.81	AV
17235	52.24	9.09	H	61.33	68.20	6.87	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11570	55.18	4.83	V	60.01	73.98	13.97	PK
11570	41.81	4.83	V	46.64	53.98	7.34	AV
17355	49.46	9.81	V	59.27	68.20	8.93	PK
11570	54.23	4.83	H	59.06	73.98	14.92	PK
11570	41.05	4.83	H	45.88	53.98	8.10	AV
17355	49.02	9.81	H	58.83	68.20	9.37	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11650	56.24	3.70	V	59.94	73.98	14.04	PK
11650	42.40	3.70	V	46.10	53.98	7.88	AV
17475	51.00	10.25	V	61.25	68.20	6.95	PK
11650	55.75	3.70	H	59.45	73.98	14.53	PK
11650	42.10	3.70	H	45.80	53.98	8.18	AV
17475	50.36	10.25	H	60.61	68.20	7.59	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11490	56.34	4.19	V	60.53	73.98	13.45	PK
11490	42.10	4.19	V	46.29	53.98	7.69	AV
17235	50.90	9.09	V	59.99	68.20	8.21	PK
11490	56.00	4.19	H	60.19	73.98	13.79	PK
11490	41.71	4.19	H	45.90	53.98	8.08	AV
17235	50.43	9.09	H	59.52	68.20	8.68	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11570	55.95	4.83	V	60.78	73.98	13.20	PK
11570	41.59	4.83	V	46.42	53.98	7.56	AV
17355	50.47	9.81	V	60.28	68.20	7.92	PK
11570	55.36	4.83	H	60.19	73.98	13.79	PK
11570	41.06	4.83	H	45.89	53.98	8.09	AV
17355	50.13	9.81	H	59.94	68.20	8.26	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11650	56.35	3.70	V	60.05	73.98	13.93	PK
11650	42.35	3.70	V	46.05	53.98	7.93	AV
17475	50.19	10.25	V	60.44	68.20	7.76	PK
11650	56.16	3.70	H	59.86	73.98	14.12	PK
11650	41.99	3.70	H	45.69	53.98	8.29	AV
17475	50.00	10.25	H	60.25	68.20	7.95	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11490	55.85	4.19	V	60.04	73.98	13.94	PK
11490	42.05	4.19	V	46.24	53.98	7.74	AV
17235	51.31	9.09	V	60.40	68.20	7.80	PK
11490	55.36	4.19	H	59.55	73.98	14.43	PK
11490	41.58	4.19	H	45.77	53.98	8.21	AV
17235	51.00	9.09	H	60.09	68.20	8.11	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11570	55.67	4.83	V	60.50	73.98	13.48	PK
11570	41.90	4.83	V	46.73	53.98	7.25	AV
17355	49.69	9.81	V	59.50	68.20	8.70	PK
11570	55.31	4.83	H	60.14	73.98	13.84	PK
11570	41.24	4.83	H	46.07	53.98	7.91	AV
17355	49.17	9.81	H	58.98	68.20	9.22	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11650	56.56	3.70	V	60.26	73.98	13.72	PK
11650	42.07	3.70	V	45.77	53.98	8.21	AV
17475	50.96	10.25	V	61.21	68.20	6.99	PK
11650	56.16	3.70	H	59.86	73.98	14.12	PK
11650	41.76	3.70	H	45.46	53.98	8.52	AV
17475	50.62	10.25	H	60.87	68.20	7.33	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11510	57.10	4.20	V	61.30	73.98	12.68	PK
11510	43.95	4.20	V	48.15	53.98	5.83	AV
17265	55.42	9.64	V	65.06	68.20	3.14	PK
11510	52.66	4.20	H	56.86	73.98	17.12	PK
11510	39.54	4.20	H	43.74	53.98	10.24	AV
17265	47.90	9.64	H	57.54	68.20	10.66	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11590	58.72	4.91	V	63.63	73.98	10.35	PK
11590	44.17	4.91	V	49.08	53.98	4.90	AV
17385	54.68	10.20	V	64.88	68.20	3.32	PK
11590	52.49	4.91	H	57.40	73.98	16.58	PK
11590	38.70	4.91	H	43.61	53.98	10.37	AV
17385	48.43	10.20	H	58.63	68.20	9.57	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11510	57.29	4.20	V	61.49	73.98	12.49	PK
11510	43.56	4.20	V	47.76	53.98	6.22	AV
17265	55.48	9.64	V	65.12	68.20	3.08	PK
11510	53.02	4.20	H	57.22	73.98	16.76	PK
11510	39.65	4.20	H	43.85	53.98	10.13	AV
17265	42.90	9.64	H	52.54	68.20	15.66	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	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11590	58.68	4.91	V	63.59	73.98	10.39	PK
11590	44.05	4.91	V	48.96	53.98	5.02	AV
17385	54.12	10.20	V	64.32	68.20	3.88	PK
11590	52.65	4.91	H	57.56	73.98	16.42	PK
11590	39.22	4.91	H	44.13	53.98	9.85	AV
17385	48.54	10.20	H	58.74	68.20	9.46	PK

Band : UNII 3

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

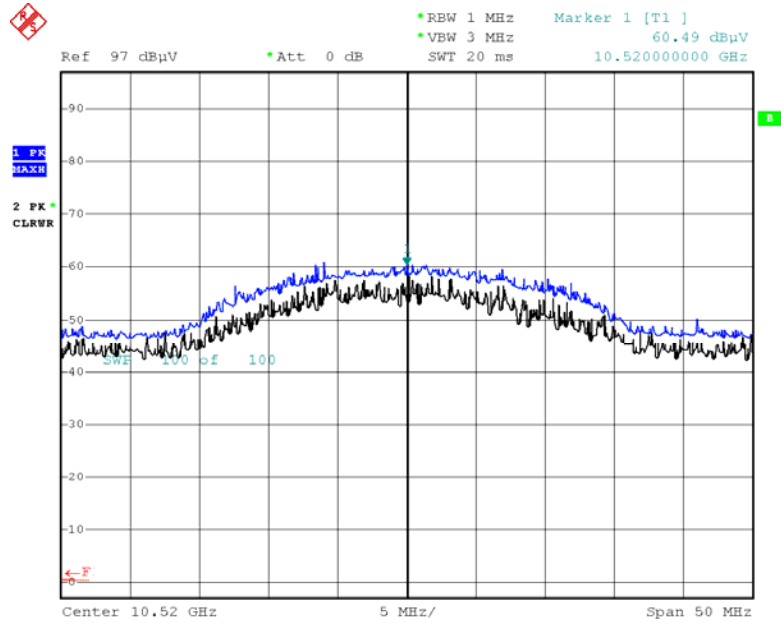
Operating Frequency 5775 MHz

Channel No. 155 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
11550	58.24	4.50	V	62.74	73.98	11.24	PK
11550	42.05	4.50	V	46.55	53.98	7.43	AV
17325	54.32	10.22	V	64.54	68.20	3.66	PK
11550	52.07	3.32	H	55.39	73.98	18.59	PK
11550	38.26	3.32	H	41.58	53.98	12.40	AV
17325	48.53	10.22	H	58.75	68.20	9.45	PK

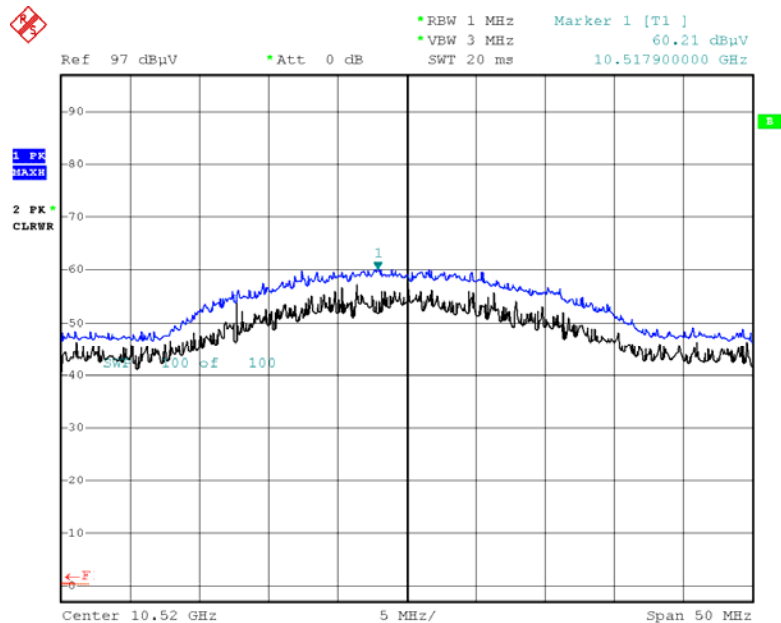
Test Plots

Peak Reading (802.11a, Ch.52 2nd Harmonic, Z-V)



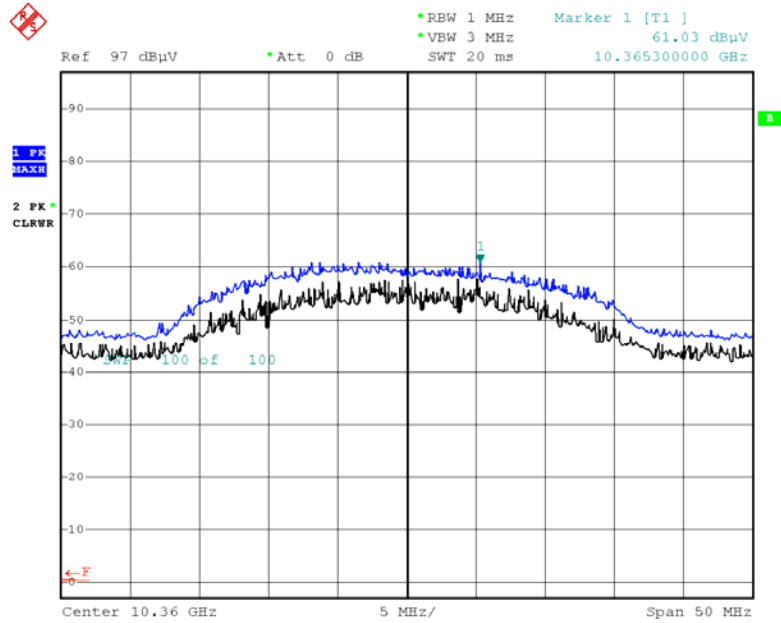
Date: 9.JUL.2019 08:34:16

Peak Reading (802.11n(HT20), Ch.52 2nd Harmonic, Z-V)



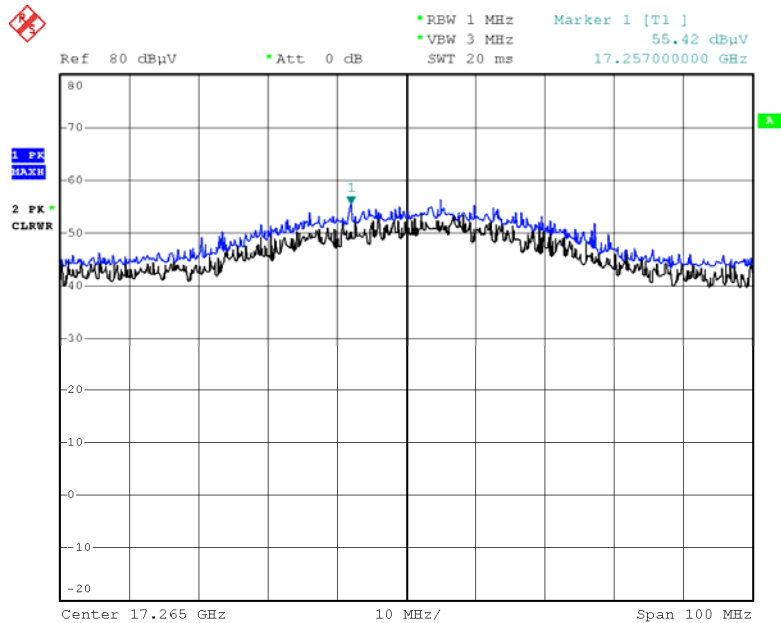
Date: 3.JUL.2019 10:50:02

Peak Reading (802.11ac(VHT20), Ch.36 2nd Harmonic, Z-V)



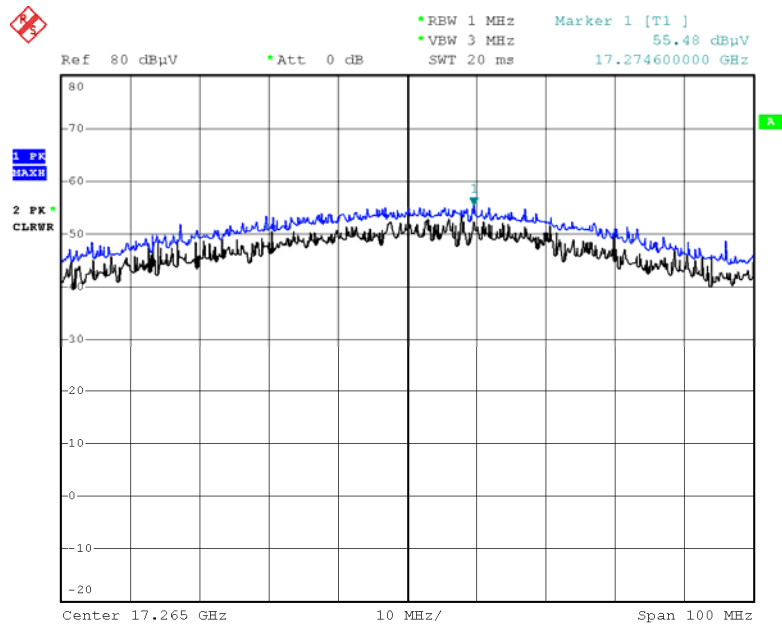
Date: 3.JUL.2019 05:15:18

Peak Reading (802.11n(HT40), Ch.46 2nd Harmonic, Z-V)



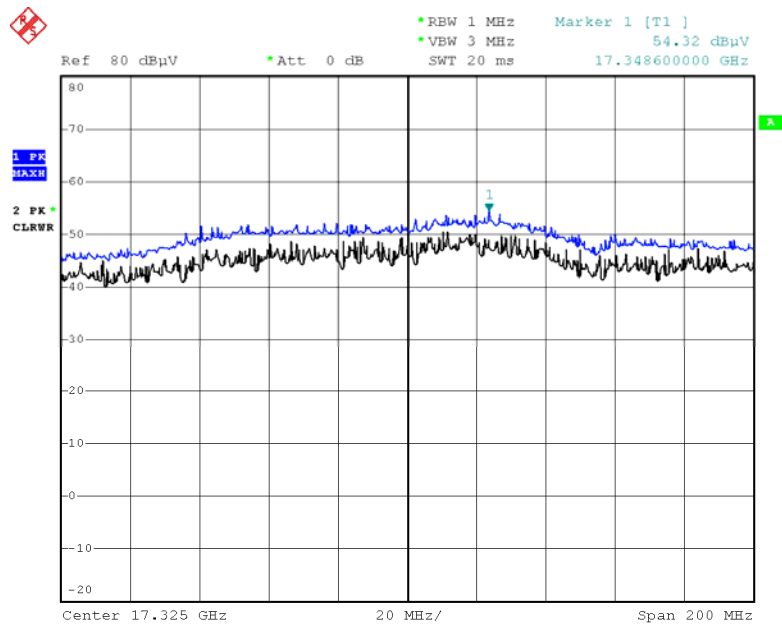
Date: 31.JUL.2019 15:40:10

Peak Reading (802.11ac(VHT40), Ch.110 2nd Harmonic, Z-V)



Date: 31.JUL.2019 15:44:54

Peak Reading (802.11ac(VHT80), Ch.155 3rd Harmonic, Z-V)



Date: 31.JUL.2019 15:47:44

Note:

Only the worst case plots for Radiated Spurious Emissions.

10.8 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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	45.74	11.06	H	56.80	73.98	17.18	PK
5150	32.17	11.06	H	43.23	53.98	10.75	AV
5150	45.88	11.06	V	56.94	73.98	17.04	PK
5150	32.24	11.06	V	43.3	53.98	10.68	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	45.19	11.06	H	56.25	73.98	17.73	PK
5150	32.13	11.06	H	43.19	53.98	10.79	AV
5150	45.27	11.06	V	56.33	73.98	17.65	PK
5150	32.35	11.06	V	43.41	53.98	10.57	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	45.66	11.06	H	56.72	73.98	17.26	PK
5150	32.71	11.06	H	43.77	53.98	10.21	AV
5150	45.88	11.06	V	56.94	73.98	17.04	PK
5150	32.83	11.06	V	43.89	53.98	10.09	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	55.24	11.06	H	66.30	73.98	7.68	PK
5150	38.71	11.06	H	49.77	53.98	4.21	AV
5150	55.51	11.06	V	66.57	73.98	7.41	PK
5150	39.08	11.06	V	50.14	53.98	3.84	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	54.02	11.06	H	65.08	73.98	8.90	PK
5150	39.15	11.06	H	50.21	53.98	3.77	AV
5150	54.30	11.06	V	65.36	73.98	8.62	PK
5150	39.35	11.06	V	50.41	53.98	3.57	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5150	53.15	11.06	H	64.21	73.98	9.77	PK
5150	39.53	11.06	H	50.59	53.98	3.39	AV
5150	53.33	11.06	V	64.39	73.98	9.59	PK
5150	39.82	11.06	V	50.88	53.98	3.10	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	47.08	11.86	H	58.94	73.98	15.04	PK
5350	34.19	11.86	H	46.05	53.98	7.93	AV
5350	47.04	11.86	V	58.9	73.98	15.08	PK
5350	34.00	11.86	V	45.86	53.98	8.12	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	47.03	11.86	H	58.89	73.98	15.09	PK
5350	34.18	11.86	H	46.04	53.98	7.94	AV
5350	46.85	11.86	V	58.71	73.98	15.27	PK
5350	34.06	11.86	V	45.92	53.98	8.06	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	47.03	11.86	H	58.89	73.98	15.09	PK
5350	34.22	11.86	H	46.08	53.98	7.90	AV
5350	46.68	11.86	V	58.54	73.98	15.44	PK
5350	33.91	11.86	V	45.77	53.98	8.21	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	50.26	11.86	H	62.12	73.98	11.86	PK
5350	35.96	11.86	H	47.82	53.98	6.16	AV
5350	50.05	11.86	V	61.91	73.98	12.07	PK
5350	35.76	11.86	V	47.62	53.98	6.36	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	52.29	11.86	H	64.15	73.98	9.83	PK
5350	35.99	11.86	H	47.85	53.98	6.13	AV
5350	52.12	11.86	V	63.98	73.98	10.00	PK
5350	35.66	11.86	V	47.52	53.98	6.46	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5350	51.72	11.86	H	63.58	73.98	10.40	PK
5350	39.08	11.86	H	50.94	53.98	3.04	AV
5350	51.55	11.86	V	63.41	73.98	10.57	PK
5350	38.76	11.86	V	50.62	53.98	3.36	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	45.92	12.24	H	58.16	73.98	15.82	PK
5460	32.81	12.24	H	45.05	53.98	8.93	AV
5470	46.99	12.50	H	59.49	68.20	8.71	PK
5460	45.81	12.24	V	58.05	73.98	15.93	PK
5460	32.71	12.24	V	44.95	53.98	9.03	AV
5470	46.81	12.50	V	59.31	68.20	8.89	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	46.03	12.24	H	58.27	73.98	15.71	PK
5460	32.90	12.24	H	45.14	53.98	8.84	AV
5470	47.71	12.50	H	60.21	68.20	7.99	PK
5460	45.77	12.24	V	58.01	73.98	15.97	PK
5460	32.55	12.24	V	44.79	53.98	9.19	AV
5470	47.53	12.50	V	60.03	68.20	8.17	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	46.10	12.24	H	58.34	73.98	15.64	PK
5460	33.14	12.24	H	45.38	53.98	8.60	AV
5470	47.36	12.50	H	59.86	68.20	8.34	PK
5460	45.91	12.24	V	58.15	73.98	15.83	PK
5460	32.98	12.24	V	45.22	53.98	8.76	AV
5470	47.15	12.50	V	59.65	68.20	8.55	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	46.32	12.24	H	58.56	73.98	15.42	PK
5460	33.15	12.24	H	45.39	53.98	8.59	AV
5470	51.84	12.50	H	64.34	68.20	3.86	PK
5460	46.12	12.24	V	58.36	73.98	15.62	PK
5460	33.01	12.24	V	45.25	53.98	8.73	AV
5470	51.58	12.50	V	64.08	68.20	4.12	PK

Band : UNII 2C
 Operation Mode: 802.11 ac_VHT40
 Transfer MCS Index: 0
 Operating Frequency 5510 MHz
 Channel No. 102 Ch

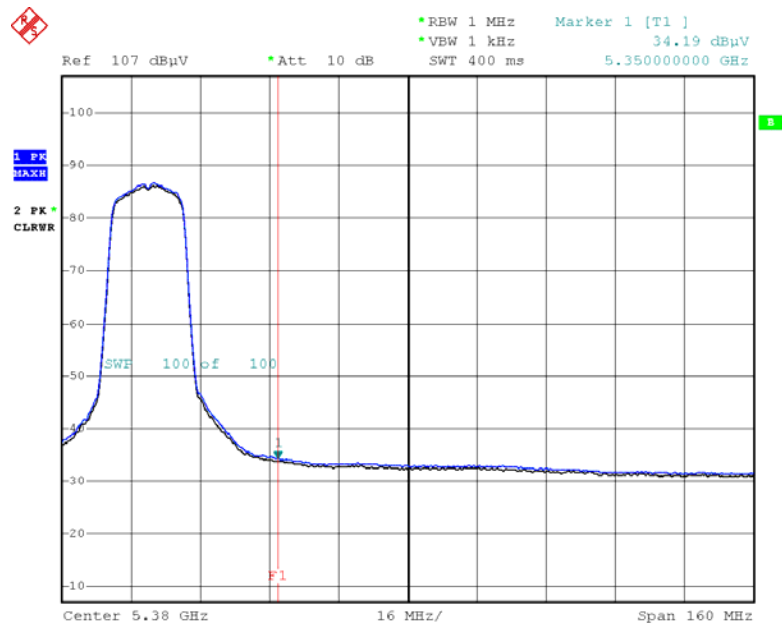
Frequency [MHz]	Reading dBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	46.37	12.24	H	58.61	73.98	15.37	PK
5460	33.18	12.24	H	45.42	53.98	8.56	AV
5470	51.24	12.50	H	63.74	68.20	4.46	PK
5460	46.19	12.24	V	58.43	73.98	15.55	PK
5460	33.06	12.24	V	45.3	53.98	8.68	AV
5470	51.00	12.50	V	63.5	68.20	4.70	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	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
5460	50.06	12.24	H	62.30	73.98	11.68	PK
5460	36.52	12.24	H	48.76	53.98	5.22	AV
5470	52.16	12.50	H	64.66	68.20	3.54	PK
5460	49.99	12.24	V	62.23	73.98	11.75	PK
5460	36.40	12.24	V	48.64	53.98	5.34	AV
5470	51.88	12.50	V	64.38	68.20	3.82	PK

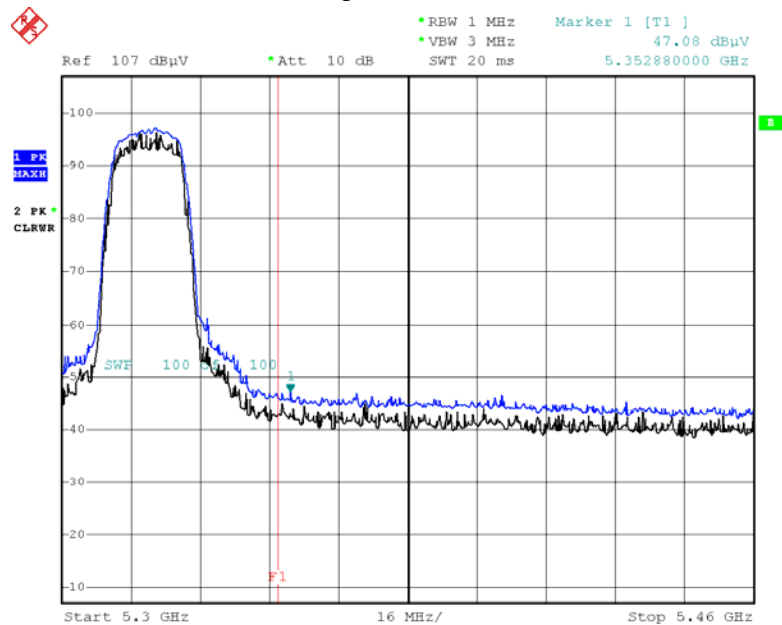
Test Plots(UNII 1, 2A, 2C)

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



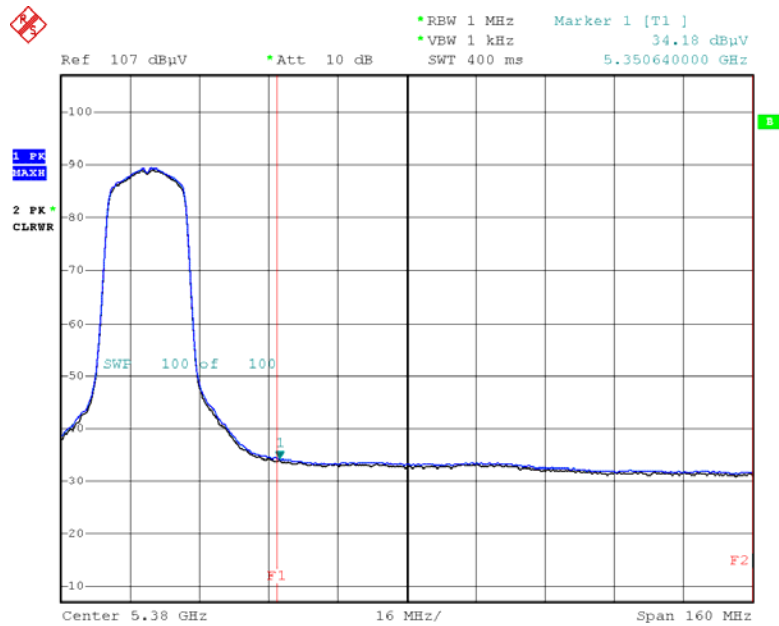
Date: 5.JUL.2019 04:39:55

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



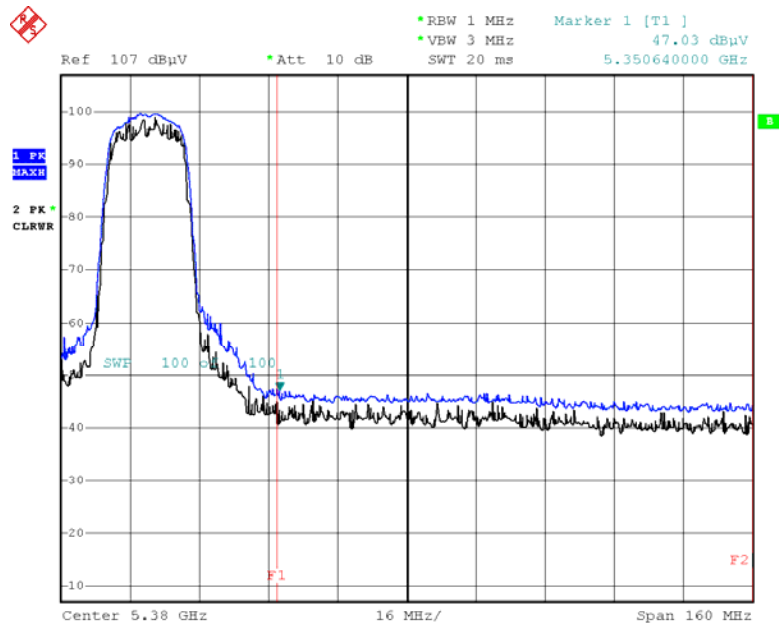
Date: 5.JUL.2019 04:38:01

Average Reading (802.11n(HT20), Ch.64, X-H)



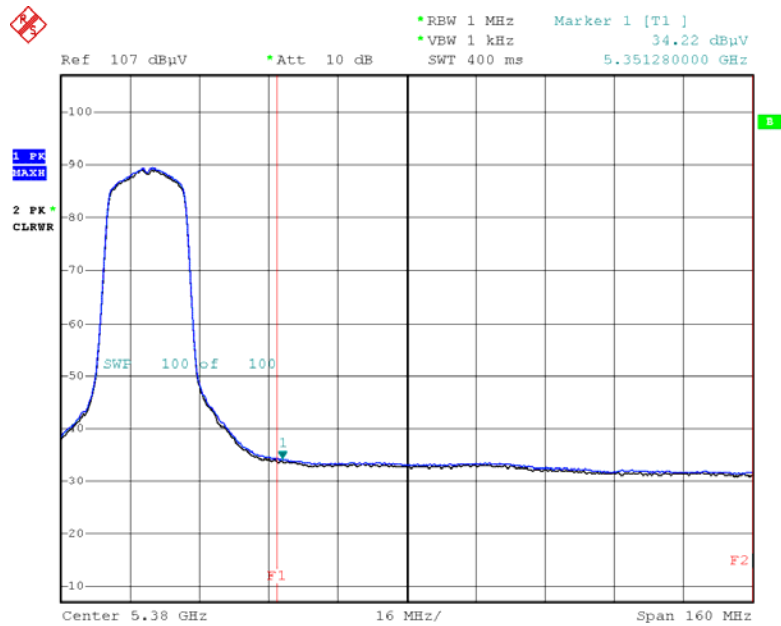
Date: 4.JUL.2019 13:27:30

Peak Reading (802.11n(HT20), Ch.64, X-H)



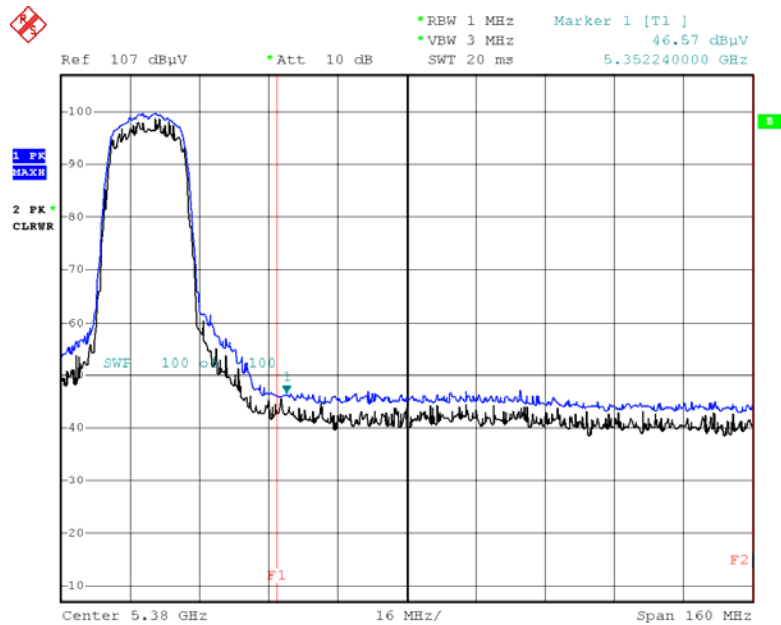
Date: 4.JUL.2019 13:28:40

Average Reading (802.11ac(VHT20), Ch.64, X-H)



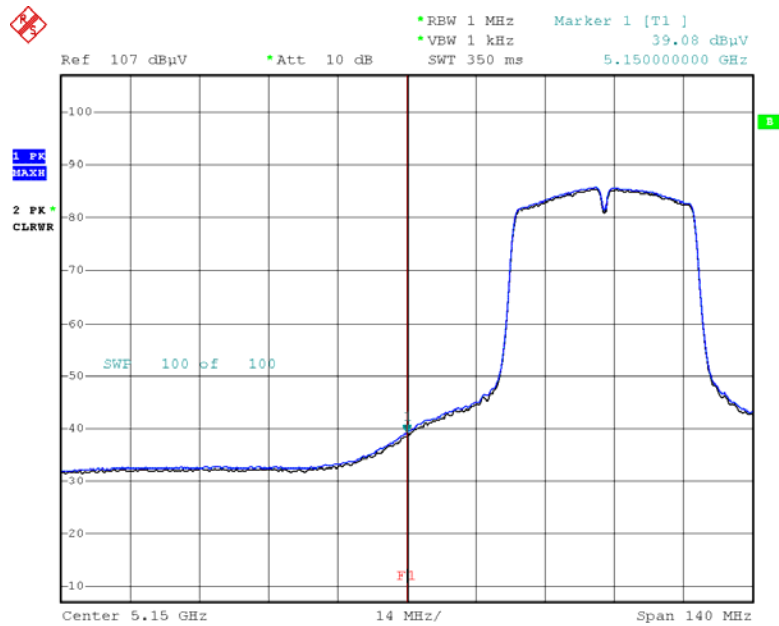
Date: 4.JUL.2019 13:31:35

Peak Reading (802.11ac(VHT20), Ch.64, X-H)



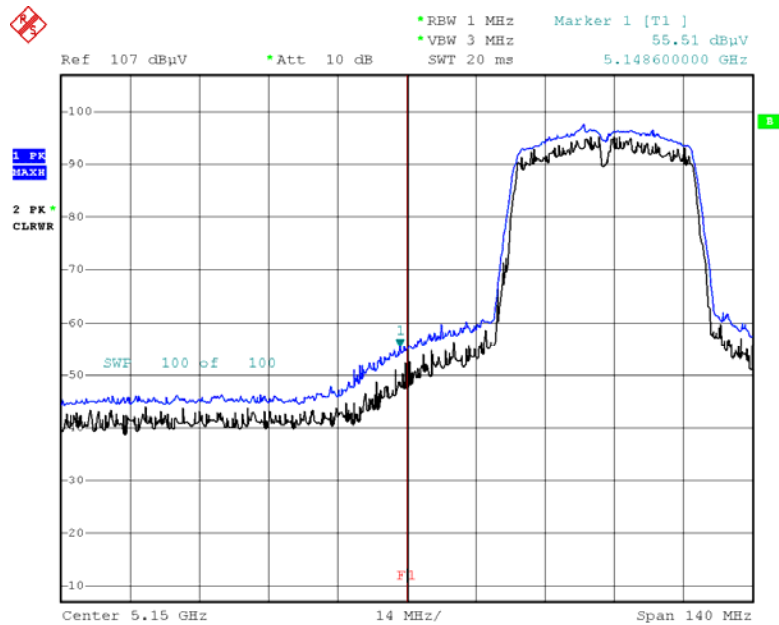
Date: 4.JUL.2019 13:33:03

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



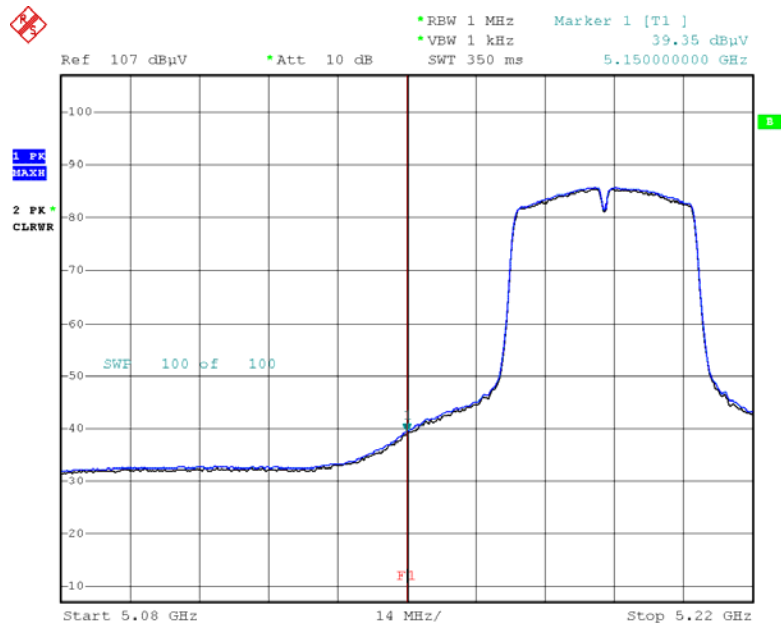
Date: 3.JUL.2019 07:26:15

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



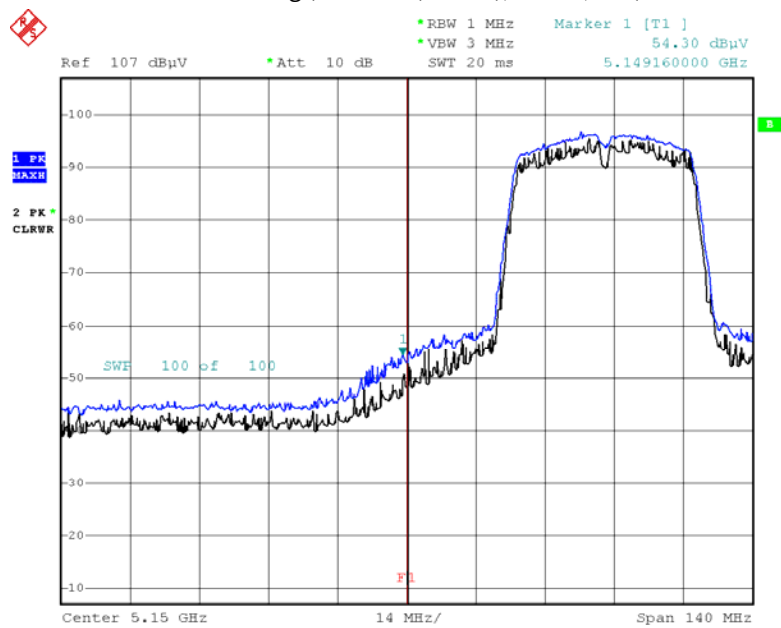
Date: 3.JUL.2019 07:24:59

Average Reading (802.11ac(VHT40), Ch.38, X-H)



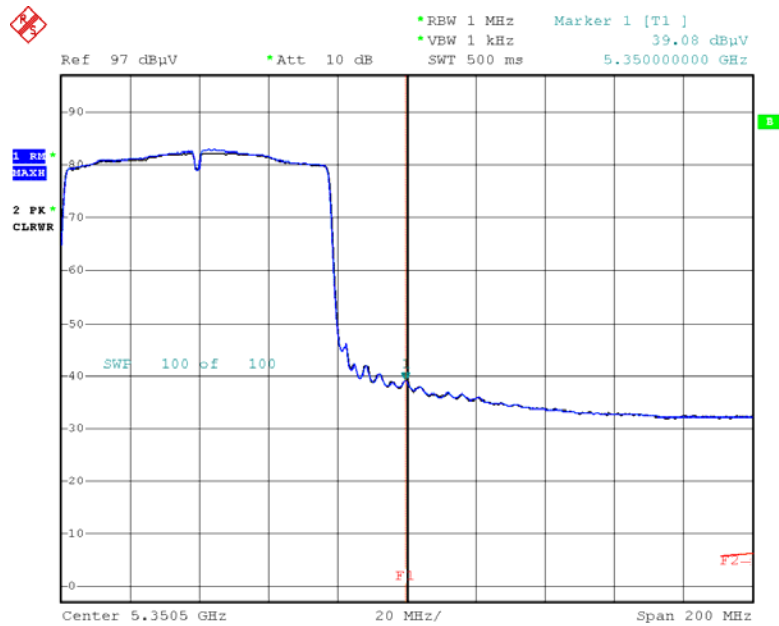
Date: 3.JUL.2019 07:21:06

Peak Reading (802.11ac(VHT40), Ch.38, X-H)



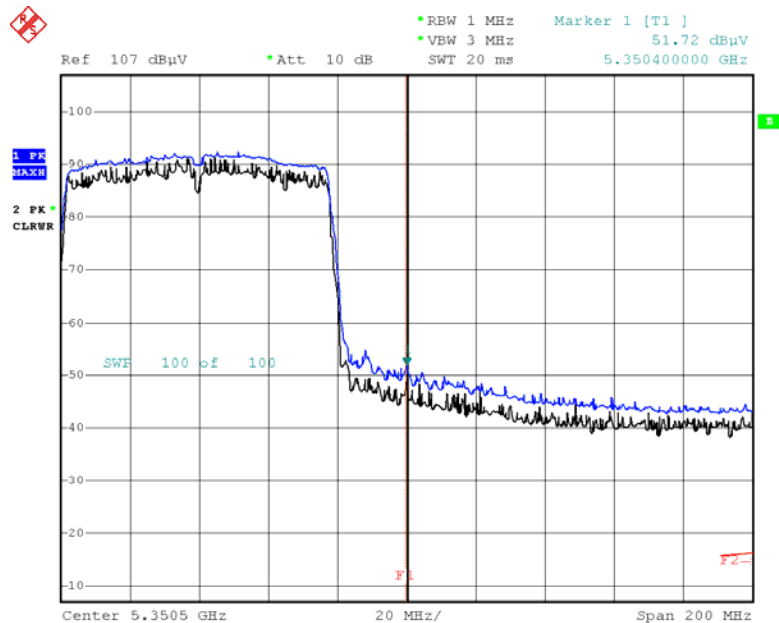
Date: 3.JUL.2019 07:21:41

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



Date: 4.JUL.2019 13:15:46

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



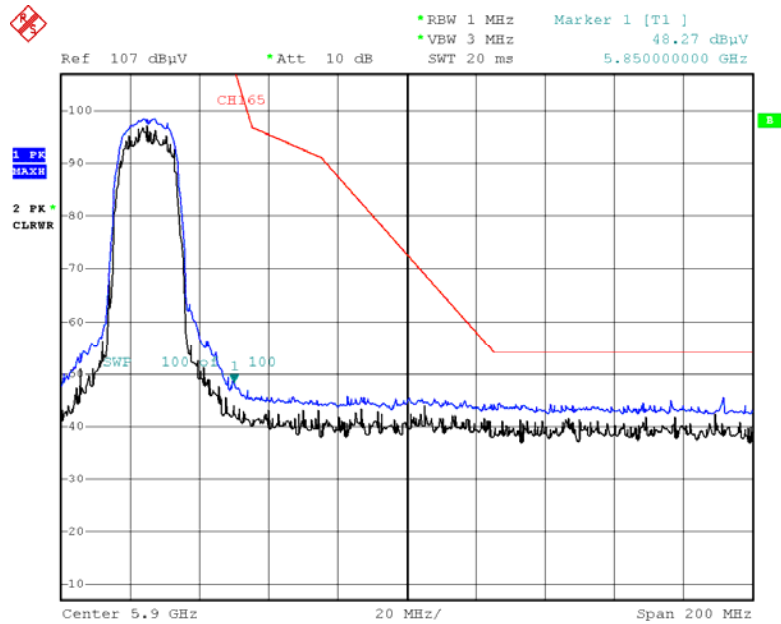
Date: 4.JUL.2019 13:16:54

Note:

Only the worst case plots for Radiated Restricted Band Edge.

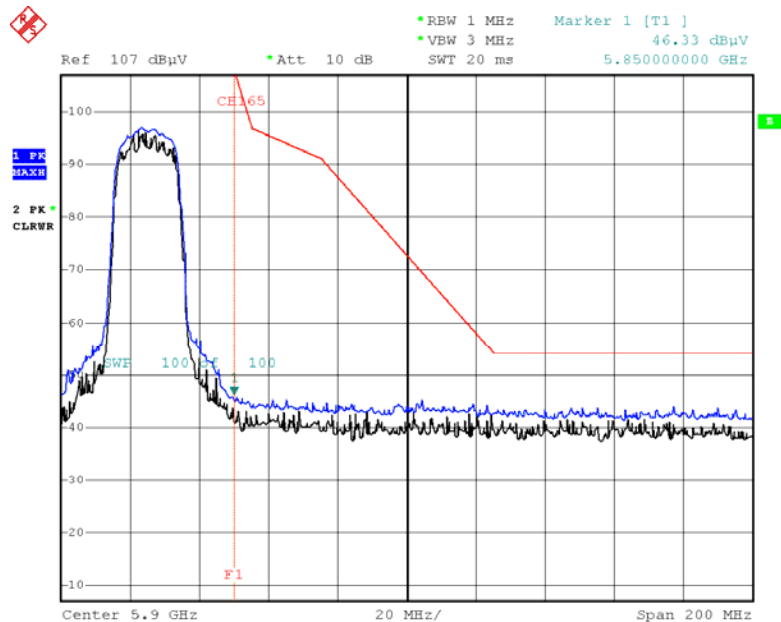
Test Plots(UNII 3)

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



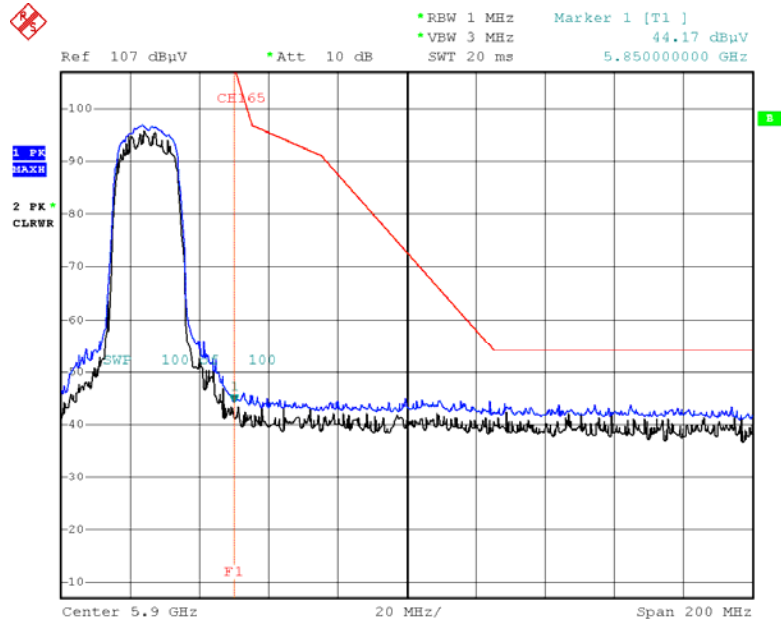
Date: 5.JUL.2019 04:13:47

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



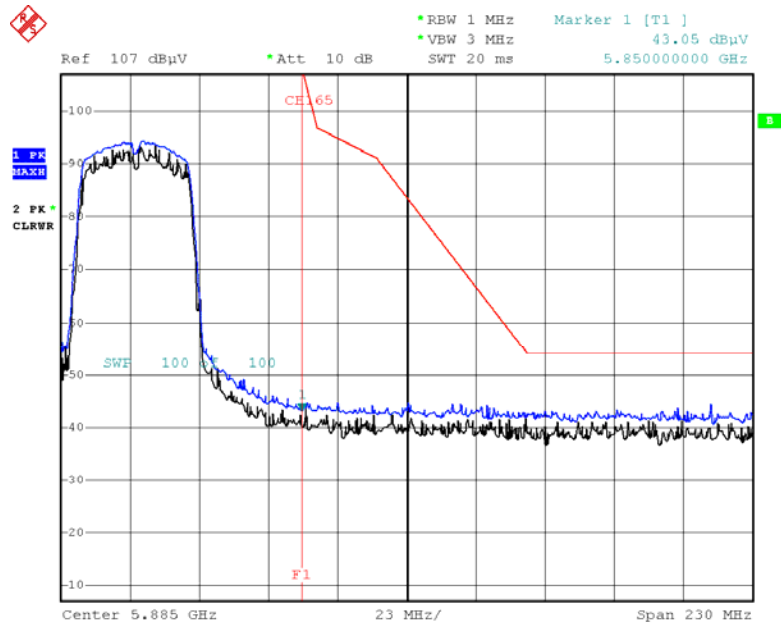
Date: 5.JUL.2019 04:17:39

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



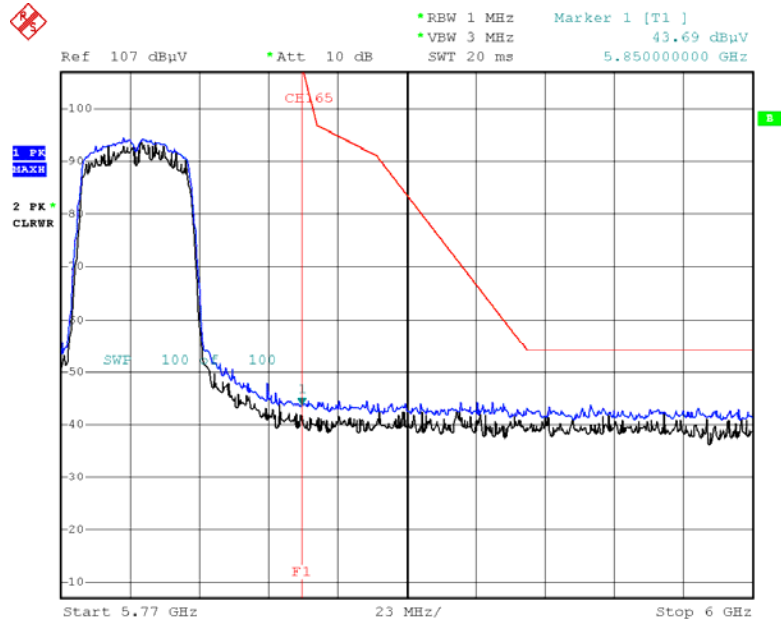
Date: 5.JUL.2019 04:18:30

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



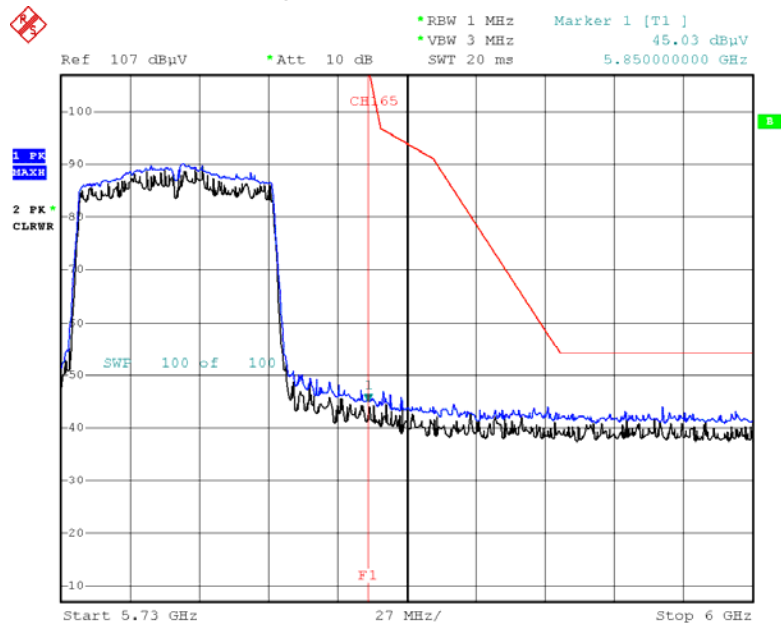
Date: 5.JUL.2019 04:20:42

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



Date: 5.JUL.2019 04:19:48

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



Date: 5.JUL.2019 04:23:44

10.9 RECEIVER SPURIOUS EMISSIONS

Frequency Range : Below 1 GHz

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

Note:

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

Frequency Range : Above 1 GHz

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

10.10 POWERLINE CONDUCTED EMISSIONS

Conducted Emissions (Line 1)

Test

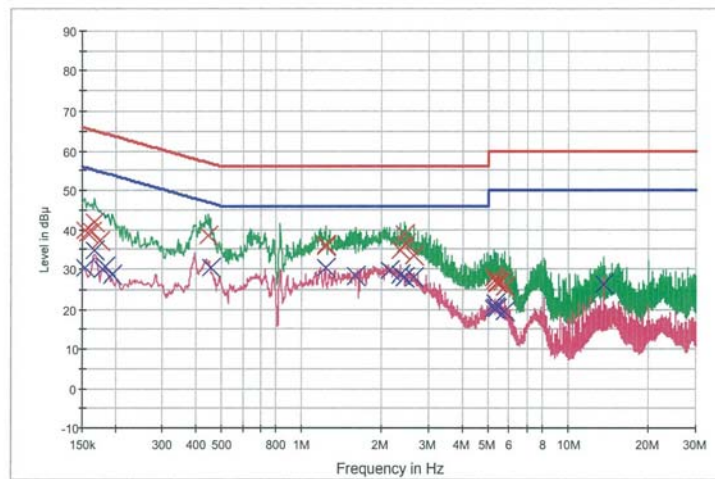
1 / 2

HCT TEST Report

Common Information

EUT: LGSBWAC02
 Manufacturer: LG Electronics, Inc.
 Test Site: SHIELD ROOM
 Operating Conditions: WLAN 5G_L1

FCC CLASS B



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

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.154000	39.9	9.000	Off	L1	9.6	25.9	65.8
0.158000	39.1	9.000	Off	L1	9.6	26.5	65.6
0.162000	39.6	9.000	Off	L1	9.6	25.8	65.4
0.166000	41.8	9.000	Off	L1	9.6	23.3	65.2
0.174000	37.2	9.000	Off	L1	9.6	27.5	64.8
0.446000	38.5	9.000	Off	L1	9.7	18.4	56.9
1.228000	36.2	9.000	Off	L1	9.7	19.8	56.0
1.232000	35.7	9.000	Off	L1	9.7	20.3	56.0
2.336000	34.7	9.000	Off	L1	9.7	21.3	56.0
2.438000	38.7	9.000	Off	L1	9.8	17.3	56.0
2.462000	36.6	9.000	Off	L1	9.8	19.4	56.0
2.638000	33.3	9.000	Off	L1	9.8	22.7	56.0
5.260000	28.0	9.000	Off	L1	9.9	32.0	60.0
5.332000	27.4	9.000	Off	L1	9.9	32.6	60.0
5.352000	26.8	9.000	Off	L1	9.9	33.2	60.0
5.462000	26.5	9.000	Off	L1	9.9	33.5	60.0
5.664000	26.8	9.000	Off	L1	9.9	33.2	60.0
5.764000	25.7	9.000	Off	L1	9.9	34.3	60.0

2019-07-15

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Test

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Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.154000	30.4	9.000	Off	L1	9.6	25.3	55.8
0.166000	34.8	9.000	Off	L1	9.6	20.3	55.2
0.178000	29.9	9.000	Off	L1	9.6	24.6	54.6
0.182000	30.7	9.000	Off	L1	9.6	23.7	54.4
0.194000	28.6	9.000	Off	L1	9.7	25.2	53.9
0.456000	30.4	9.000	Off	L1	9.7	16.4	46.8
1.228000	30.3	9.000	Off	L1	9.7	15.7	46.0
1.602000	28.2	9.000	Off	L1	9.8	17.8	46.0
2.134000	29.8	9.000	Off	L1	9.7	16.2	46.0
2.336000	28.7	9.000	Off	L1	9.7	17.3	46.0
2.436000	28.0	9.000	Off	L1	9.8	18.0	46.0
2.638000	27.8	9.000	Off	L1	9.8	18.2	46.0
5.258000	20.1	9.000	Off	L1	9.9	29.9	50.0
5.316000	20.5	9.000	Off	L1	9.9	29.5	50.0
5.332000	21.6	9.000	Off	L1	9.9	28.4	50.0
5.352000	20.1	9.000	Off	L1	9.9	29.9	50.0
5.764000	19.4	9.000	Off	L1	9.9	30.6	50.0
13.562000	26.4	9.000	Off	L1	10.0	23.6	50.0

2019-07-15

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Conducted Emissions (Line 2)

Test

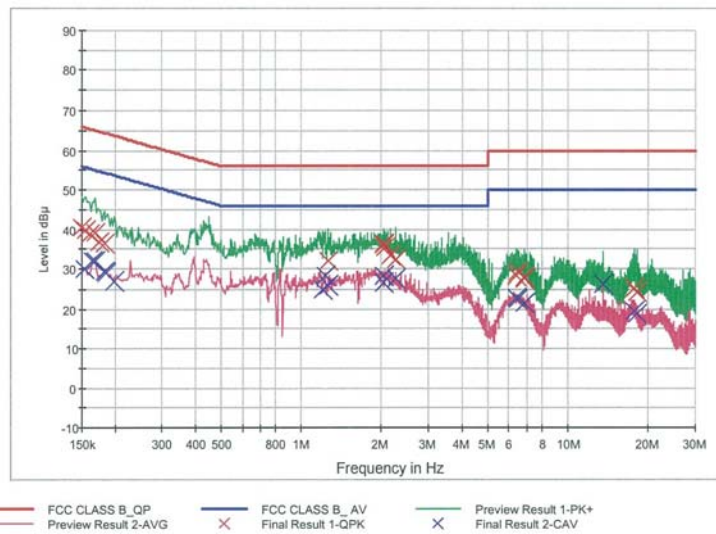
1 / 2

HCT TEST Report

Common Information

EUT: LGSBWAC02
 Manufacturer: LG Electronics, Inc.
 Test Site: SHIELD ROOM
 Operating Conditions: WLAN 5G_N

FCC CLASS B



Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	40.4	9.000	Off	N	9.6	25.6	66.0
0.156000	39.7	9.000	Off	N	9.6	26.0	65.7
0.160000	39.0	9.000	Off	N	9.6	26.5	65.5
0.168000	39.0	9.000	Off	N	9.6	26.0	65.1
0.174000	36.9	9.000	Off	N	9.6	27.9	64.8
0.182000	36.4	9.000	Off	N	9.6	28.0	64.4
1.256000	32.1	9.000	Off	N	9.7	23.9	56.0
2.038000	36.1	9.000	Off	N	9.7	19.9	56.0
2.044000	36.3	9.000	Off	N	9.7	19.7	56.0
2.056000	35.3	9.000	Off	N	9.7	20.7	56.0
2.160000	33.4	9.000	Off	N	9.7	22.6	56.0
2.258000	32.4	9.000	Off	N	9.7	23.6	56.0
6.394000	28.4	9.000	Off	N	9.9	31.6	60.0
6.496000	29.2	9.000	Off	N	9.9	30.8	60.0
6.876000	27.8	9.000	Off	N	9.9	32.2	60.0
6.898000	27.8	9.000	Off	N	9.9	32.2	60.0
17.826000	25.1	9.000	Off	N	10.1	34.9	60.0
18.130000	24.2	9.000	Off	N	10.1	35.8	60.0

2019-07-15

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Test

2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.154000	29.9	9.000	Off	N	9.6	25.8	55.8
0.164000	31.9	9.000	Off	N	9.6	23.4	55.3
0.168000	32.0	9.000	Off	N	9.6	23.1	55.1
0.182000	29.4	9.000	Off	N	9.6	25.0	54.4
0.186000	29.0	9.000	Off	N	9.6	25.2	54.2
0.198000	27.1	9.000	Off	N	9.6	26.6	53.7
1.202000	24.9	9.000	Off	N	9.7	21.1	46.0
1.230000	28.4	9.000	Off	N	9.7	17.6	46.0
1.256000	26.0	9.000	Off	N	9.7	20.0	46.0
2.038000	26.6	9.000	Off	N	9.7	19.4	46.0
2.044000	28.3	9.000	Off	N	9.7	17.7	46.0
2.258000	27.6	9.000	Off	N	9.7	18.4	46.0
6.394000	22.8	9.000	Off	N	9.9	27.2	50.0
6.496000	22.4	9.000	Off	N	9.9	27.6	50.0
6.898000	21.6	9.000	Off	N	9.9	28.4	50.0
13.560000	26.2	9.000	Off	N	10.0	23.8	50.0
17.826000	19.4	9.000	Off	N	10.1	30.6	50.0
18.130000	18.8	9.000	Off	N	10.1	31.2	50.0

2019-07-15

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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	N9030A / Signal Analyzer	01/10/2019	Annual	MY49431210
Agilent	N1911A / Power Meter	04/10/2019	Annual	MY45100523
Agilent	N1921A / Power Sensor	04/10/2019	Annual	MY52260025
Agilent	87300B / Directional Coupler	11/20/2018	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	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
Rohde & Schwarz	CBT / Bluetooth Tester	05/16/2019	Annual	100422

Note:

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

Radiated Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Innco system	CO3000 / Controller(Antenna mast)	N/A	N/A	CO3000-4p
Innco system	MA4640/800-XP-EP / Antenna Position Tower	N/A	N/A	N/A
Emco	2090 / Controller	N/A	N/A	060520
Ets	Turn Table	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	08/23/2018	Biennial	1513-175
Schwarzbeck	VULB 9160 / Hybrid Antenna	08/09/2018	Biennial	3368
Schwarzbeck	BBHA 9120D / Horn Antenna	11/21/2017	Biennial	9120D-1191
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	12/04/2017	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	09/19/2018	Annual	836650/016
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/19/2018	Annual	101068-SZ
Wainwright Instruments	WHKX10-2700-3000-18000-40SS / High Pass Filter	01/03/2019	Annual	4
Wainwright Instruments	WHKX8-6090-7000-18000-40SS / High Pass Filter	01/03/2019	Annual	5
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
WEINSCHL	56-10 / Attenuator(10 dB)	10/10/2018	Annual	72316
CERNEX	CBLU1183540B-01/Broadband Bench Top LNA	01/03/2019	Annual	28549
CERNEX	CBL06185030 / Broadband Low Noise Amplifier	01/03/2019	Annual	24615
CERNEX	CBL18265035 / Power Amplifier	01/03/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	06/18/2019	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/26/2019	Annual	3000C000276

Note:

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

12. ANNEX A_ TEST SETUP PHOTO

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

No.	Description
1	HCT-RF-1908-FI010-P