

[ANT2]

Test Plots(UNII 3 Band 6dB Bandwidth)

802.11a CH.144



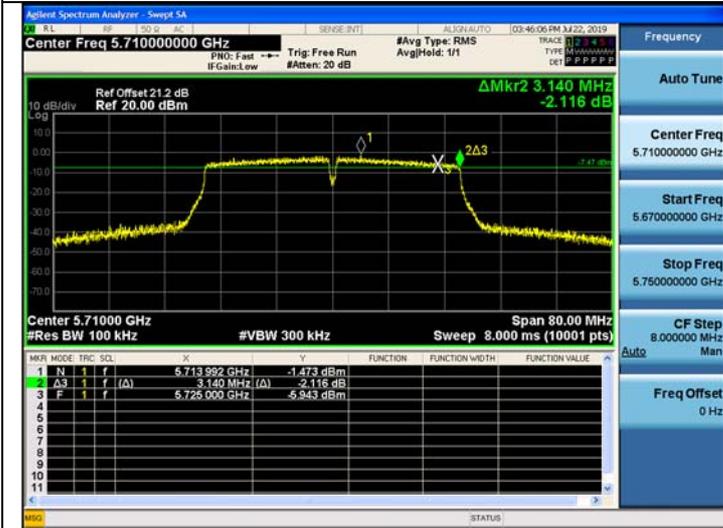
802.11n\_HT20 CH.144



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)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	13.91	-	13.91	23.92
802.11n(HT20)			14.20	-	14.20	24.07
802.11ac(VHT20)			14.39	-	14.39	24.04
802.11a	5720 (UNII 3 Band)	144	6.17	-	6.17	30.00
802.11n(HT20)			7.00	-	7.00	30.00
802.11ac(VHT20)			7.21	-	7.21	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	14.24	-	14.24	27.07
802.11ac(VHT40)			15.17	-	15.17	27.10
802.11n(HT40)	5710 (UNII 3 Band)	142	2.36	-	2.36	30.00
802.11ac(VHT40)			3.29	-	3.29	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	15.23	-	15.23	30.10
	5690 (UNII 3 Band)	138	0.81	-	0.81	30.00

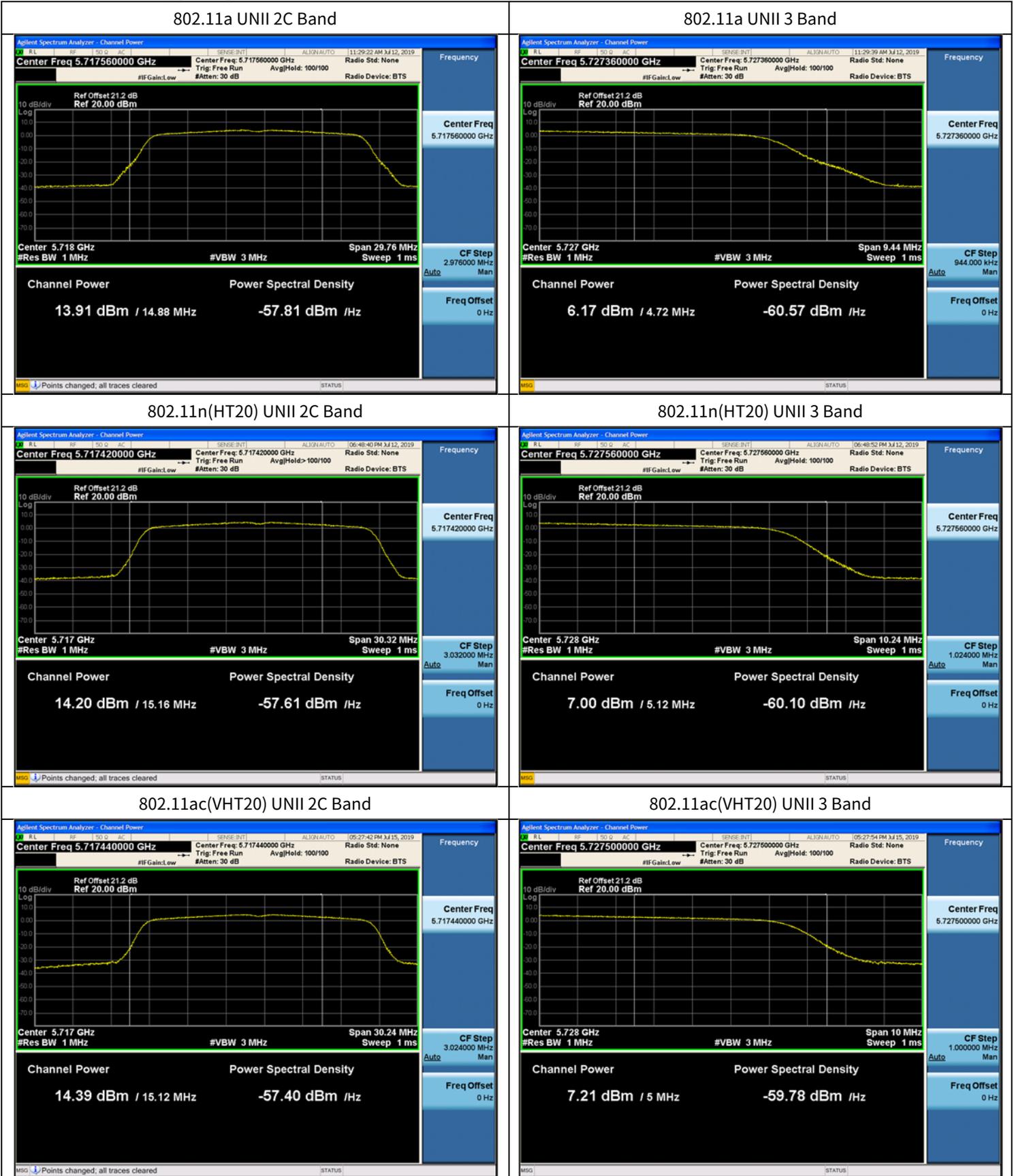
[ANT2]

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	13.20	-	13.20	23.94
802.11n(HT20)			14.29	-	14.29	23.97
802.11ac(VHT20)			13.59	-	13.59	24.03
802.11a	5720 (UNII 3 Band)	144	5.34	-	5.34	30.00
802.11n(HT20)			6.46	-	6.46	30.00
802.11ac(VHT20)			6.22	-	6.22	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	13.67	-	13.67	27.04
802.11ac(VHT40)			13.56	-	13.56	27.07
802.11n(HT40)	5710 (UNII 3 Band)	142	1.63	-	1.63	30.00
802.11ac(VHT40)			1.54	-	1.54	30.00

Mode	Frequency [MHz]	Channel	Measured Power (dBm)	Duty Cycle Factor (dB)	Total Power (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	14.88	-	14.88	30.08
	5690 (UNII 3 Band)	138	0.65	-	0.65	30.00

Test Plots [ANT1]



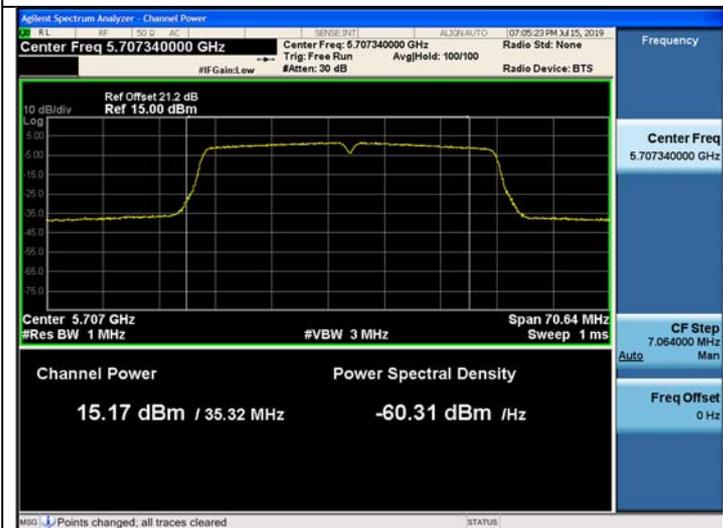
## 802.11n(HT40) UNII 2C Band



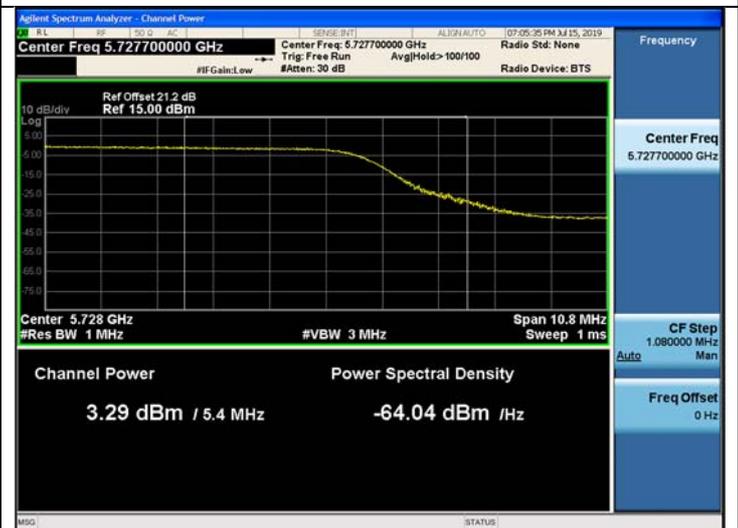
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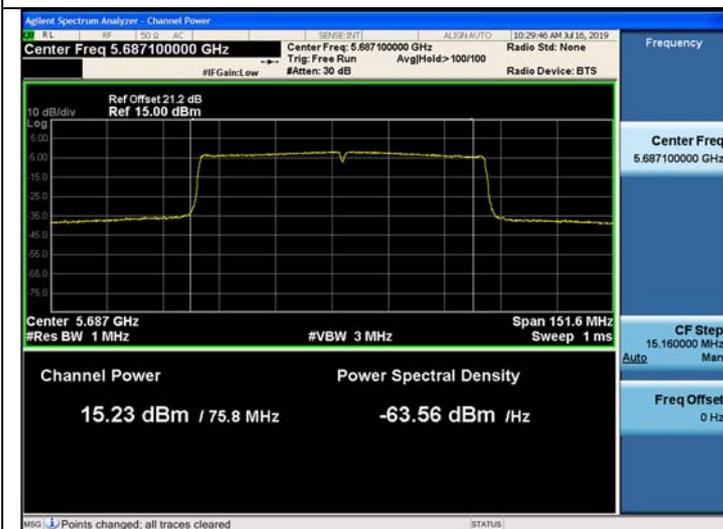
## 802.11ac(VHT40) UNII 2C Band



## 802.11ac(VHT40) UNII 3 Band



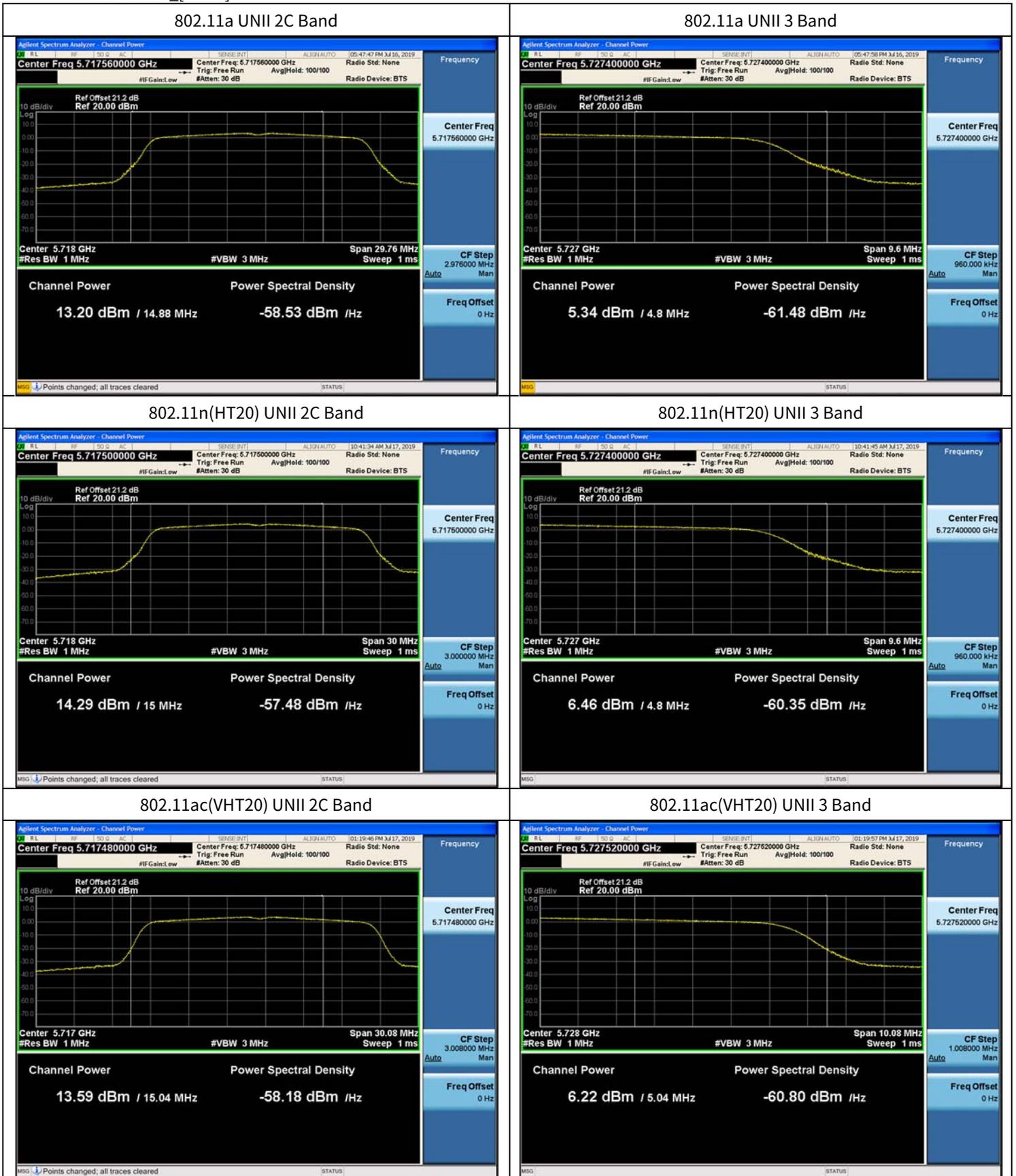
## 802.11ac(VHT80) UNII 2C Band



## 802.11ac(VHT80) UNII 3 Band



Test Plots [ANT2]



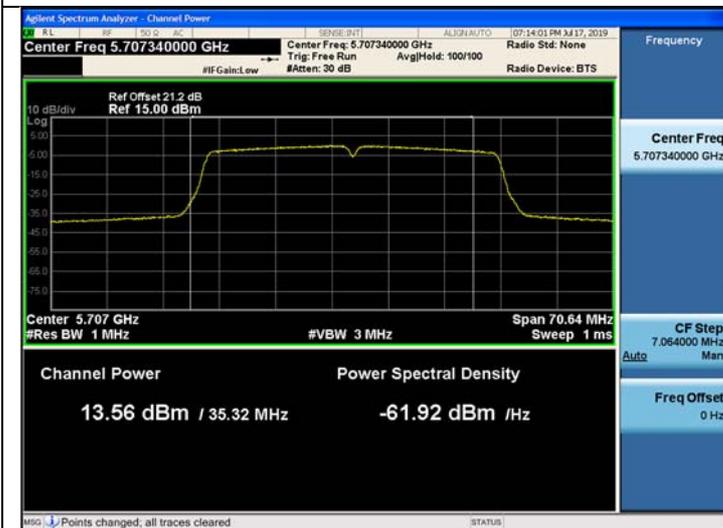
### 802.11n(HT40) UNII 2C Band



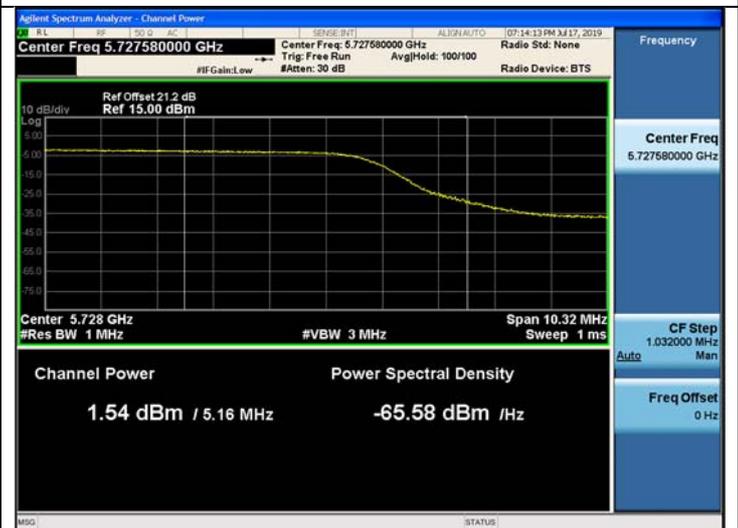
### 802.11n(HT40) UNII 3 Band



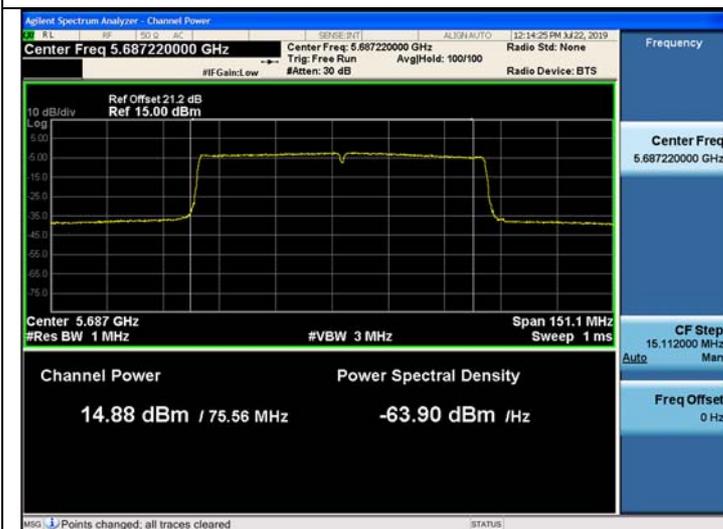
### 802.11ac(VHT40) UNII 2C Band



### 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)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	4.348	-	4.348	11.00
802.11n(HT20)			4.615	-	4.615	11.00
802.11ac(VHT20)			4.691	-	4.691	11.00
802.11a	5720 (UNII 3 Band)	144	-0.505	-	-0.505	30.00
802.11n(HT20)			-0.097	-	-0.097	30.00
802.11ac(VHT20)			-0.112	-	-0.112	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	1.147	-	1.147	11.00
802.11ac(VHT40)			1.681	-	1.681	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-4.672	-	-4.672	30.00
802.11ac(VHT40)			-3.916	-	-3.916	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-1.546	-	-1.546	11.00
	5690 (UNII 3 Band)	138	-6.706	-	-6.706	30.00

[ANT2]

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	4.096	-	4.096	11.00
802.11n(HT20)			4.747	-	4.747	11.00
802.11ac(VHT20)			4.302	-	4.302	11.00
802.11a	5720 (UNII 3 Band)	144	-1.370	-	-1.370	30.00
802.11n(HT20)			-0.217	-	-0.217	30.00
802.11ac(VHT20)			-0.766	-	-0.766	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	0.243	-	0.243	11.00
802.11ac(VHT40)			0.319	-	0.319	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-5.548	-	-5.548	30.00
802.11ac(VHT40)			-5.425	-	-5.425	30.00

Mode	Frequency [MHz]	Channel	Measured Density (dBm)	Duty Cycle Factor (dB)	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-1.919	-	-1.919	11.00
	5690 (UNII 3 Band)	138	-7.260	-	-7.260	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]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	61.05	4.10	V	65.15	68.20	3.05	PK
15540	58.47	5.36	V	63.83	73.98	10.15	PK
15540	42.14	5.36	V	47.50	53.98	6.48	AV
10360	50.55	4.10	H	54.65	68.20	13.55	PK
15540	58.10	5.36	H	63.46	73.98	10.52	PK
15540	41.54	5.36	H	46.90	53.98	7.08	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	60.96	3.87	V	64.83	68.20	3.37	PK
15600	57.98	4.75	V	62.73	73.98	11.25	PK
15600	42.76	4.75	V	47.51	53.98	6.47	AV
10400	60.40	3.87	H	64.27	68.20	3.93	PK
15600	57.23	4.75	H	61.98	73.98	12.00	PK
15600	42.14	4.75	H	46.89	53.98	7.09	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	60.62	4.52	V	65.14	68.20	3.06	PK
15720	57.61	3.58	V	61.19	73.98	12.79	PK
15720	41.02	3.58	V	44.60	53.98	9.38	AV
10480	60.10	4.52	H	64.62	68.20	3.58	PK
15720	57.31	3.58	H	60.89	73.98	13.09	PK
15720	40.56	3.58	H	44.14	53.98	9.84	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	61.02	4.10	V	65.12	68.20	3.08	PK
15540	59.05	5.36	V	64.41	73.98	9.57	PK
15540	43.25	5.36	V	48.61	53.98	5.37	AV
10360	59.82	4.10	H	63.92	68.20	4.28	PK
15540	59.00	5.36	H	64.36	73.98	9.62	PK
15540	43.10	5.36	H	48.46	53.98	5.52	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	60.78	3.87	V	64.65	68.20	3.55	PK
15600	60.34	4.75	V	65.09	73.98	8.89	PK
15600	44.26	4.75	V	49.01	53.98	4.97	AV
10400	60.17	3.87	H	64.04	68.20	4.16	PK
15600	60.01	4.75	H	64.76	73.98	9.22	PK
15600	44.00	4.75	H	48.75	53.98	5.23	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	59.92	4.52	V	64.44	68.20	3.76	PK
15720	59.32	3.58	V	62.90	73.98	11.08	PK
15720	42.86	3.58	V	46.44	53.98	7.54	AV
10480	59.47	4.52	H	63.99	68.20	4.21	PK
15720	59.00	3.58	H	62.58	73.98	11.40	PK
15720	42.38	3.58	H	45.96	53.98	8.02	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	61.10	4.10	V	65.20	68.20	3.00	PK
15540	58.47	5.36	V	63.83	73.98	10.15	PK
15540	42.50	5.36	V	47.86	53.98	6.12	AV
10360	60.54	4.10	H	64.64	68.20	3.56	PK
15540	58.01	5.36	H	63.37	73.98	10.61	PK
15540	42.20	5.36	H	47.56	53.98	6.42	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	61.01	3.87	V	64.88	68.20	3.32	PK
15600	57.26	4.75	V	62.01	73.98	11.97	PK
15600	39.90	4.75	V	44.65	53.98	9.33	AV
10400	60.85	3.87	H	64.72	68.20	3.48	PK
15600	57.04	4.75	H	61.79	73.98	12.19	PK
15600	39.71	4.75	H	44.46	53.98	9.52	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	60.62	4.52	V	65.14	68.20	3.06	PK
15720	55.75	3.58	V	59.33	73.98	14.65	PK
15720	38.08	3.58	V	41.66	53.98	12.32	AV
10480	60.42	4.52	H	64.94	68.20	3.26	PK
15720	55.43	3.58	H	59.01	73.98	14.97	PK
15720	37.79	3.58	H	41.37	53.98	12.61	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	55.23	4.09	V	59.32	68.20	8.88	PK
15570	54.56	4.73	V	59.29	73.98	14.69	PK
15570	39.54	4.73	V	44.27	53.98	9.71	AV
10380	55.00	4.09	H	59.09	68.20	9.11	PK
15570	54.24	4.73	H	58.97	73.98	15.01	PK
15570	39.12	4.73	H	43.85	53.98	10.13	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	54.08	4.54	V	58.62	68.20	9.58	PK
15690	52.41	3.69	V	56.10	73.98	17.88	PK
15690	38.01	3.69	V	41.70	53.98	12.28	AV
10460	53.50	4.54	H	58.04	68.20	10.16	PK
15690	52.11	3.69	H	55.80	73.98	18.18	PK
15690	37.98	3.69	H	41.67	53.98	12.31	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	56.77	4.09	V	60.86	68.20	7.34	PK
15570	57.64	4.73	V	62.37	73.98	11.61	PK
15570	42.72	4.73	V	47.45	53.98	6.53	AV
10380	56.35	4.09	H	60.44	68.20	7.76	PK
15570	57.34	4.73	H	62.07	73.98	11.91	PK
15570	42.11	4.73	H	46.84	53.98	7.14	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	57.11	4.54	V	61.65	68.20	6.55	PK
15690	54.31	3.69	V	58.00	73.98	15.98	PK
15690	40.14	3.69	V	43.83	53.98	10.15	AV
10460	56.99	4.54	H	61.53	68.20	6.67	PK
15690	54.20	3.69	H	57.89	73.98	16.09	PK
15690	40.00	3.69	H	43.69	53.98	10.29	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	56.21	3.79	V	60.00	68.20	8.20	PK
15630	50.77	4.02	V	54.79	73.98	19.19	PK
15630	36.75	4.02	V	40.77	53.98	13.21	AV
10420	55.88	3.79	H	59.67	68.20	8.53	PK
15630	50.37	4.02	H	54.39	73.98	19.59	PK
15630	36.44	4.02	H	40.46	53.98	13.52	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	60.31	4.70	V	65.01	68.20	3.19	PK
15780	57.20	3.76	V	60.96	73.98	13.02	PK
15780	41.03	3.76	V	44.79	53.98	9.19	AV
10520	59.90	4.70	H	64.60	68.20	3.60	PK
15780	56.98	3.76	H	60.74	73.98	13.24	PK
15780	40.54	3.76	H	44.30	53.98	9.68	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	59.27	4.27	V	63.54	73.98	10.44	PK
10600	45.68	4.27	V	49.95	53.98	4.03	AV
15900	55.92	4.58	V	60.50	73.98	13.48	PK
15900	39.62	4.58	V	44.20	53.98	9.78	AV
10600	59.01	4.27	H	63.28	73.98	10.70	PK
10600	45.11	4.27	H	49.38	53.98	4.60	AV
15900	55.14	4.58	H	59.72	73.98	14.26	PK
15900	39.17	4.58	H	43.75	53.98	10.23	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	4.40	V	63.82	73.98	10.16	PK
10640	46.53	4.40	V	50.93	53.98	3.05	AV
15960	55.52	4.03	V	59.55	73.98	14.43	PK
15960	40.07	4.03	V	44.10	53.98	9.88	AV
10640	59.23	4.40	H	63.63	73.98	10.35	PK
10640	46.13	4.40	H	50.53	53.98	3.45	AV
15960	55.17	4.03	H	59.20	73.98	14.78	PK
15960	39.98	4.03	H	44.01	53.98	9.97	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	59.46	4.70	V	64.16	68.20	4.04	PK
15780	58.20	3.76	V	61.96	73.98	12.02	PK
15780	42.25	3.76	V	46.01	53.98	7.97	AV
10520	59.23	4.70	H	63.93	68.20	4.27	PK
15780	57.80	3.76	H	61.56	73.98	12.42	PK
15780	42.13	3.76	H	45.89	53.98	8.09	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	59.69	4.27	V	63.96	73.98	10.02	PK
10600	46.03	4.27	V	50.30	53.98	3.68	AV
15900	56.17	4.58	V	60.75	73.98	13.23	PK
15900	40.66	4.58	V	45.24	53.98	8.74	AV
10600	59.38	4.27	H	63.65	73.98	10.33	PK
10600	45.88	4.27	H	50.15	53.98	3.83	AV
15900	56.00	4.58	H	60.58	73.98	13.40	PK
15900	40.27	4.58	H	44.85	53.98	9.13	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	59.41	4.40	V	63.81	73.98	10.17	PK
10640	44.91	4.40	V	49.31	53.98	4.67	AV
15960	55.26	4.03	V	59.29	73.98	14.69	PK
15960	39.96	4.03	V	43.99	53.98	9.99	AV
10640	59.20	4.40	H	63.60	73.98	10.38	PK
10640	44.73	4.40	H	49.13	53.98	4.85	AV
15960	55.10	4.03	H	59.13	73.98	14.85	PK
15960	39.54	4.03	H	43.57	53.98	10.41	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	56.81	4.70	V	61.51	68.20	6.69	PK
15780	58.37	3.76	V	62.13	73.98	11.85	PK
15780	42.68	3.76	V	46.44	53.98	7.54	AV
10520	56.44	4.70	H	61.14	68.20	7.06	PK
15780	58.00	3.76	H	61.76	73.98	12.22	PK
15780	42.17	3.76	H	45.93	53.98	8.05	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	58.75	4.27	V	63.02	73.98	10.96	PK
10600	45.01	4.27	V	49.28	53.98	4.70	AV
15900	53.40	4.58	V	57.98	73.98	16.00	PK
15900	37.54	4.58	V	42.12	53.98	11.86	AV
10600	58.61	4.27	H	62.88	73.98	11.10	PK
10600	44.98	4.27	H	49.25	53.98	4.73	AV
15900	53.12	4.58	H	57.70	73.98	16.28	PK
15900	37.24	4.58	H	41.82	53.98	12.16	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	58.26	4.40	V	62.66	73.98	11.32	PK
10640	43.54	4.40	V	47.94	53.98	6.04	AV
15960	55.85	4.03	V	59.88	73.98	14.10	PK
15960	39.36	4.03	V	43.39	53.98	10.59	AV
10640	58.00	4.40	H	62.40	73.98	11.58	PK
10640	43.27	4.40	H	47.67	53.98	6.31	AV
15960	55.54	4.03	H	59.57	73.98	14.41	PK
15960	39.17	4.03	H	43.20	53.98	10.78	AV

Band : UNII 2A  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5270 MHz  
 Channel No. 54 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	53.62	5.03	V	58.65	68.20	9.55	PK
15810	50.23	4.69	V	54.92	73.98	19.06	PK
15810	36.24	4.69	V	40.93	53.98	13.05	AV
10540	53.27	5.03	H	58.30	68.20	9.90	PK
15810	50.00	4.69	H	54.69	73.98	19.29	PK
15810	36.12	4.69	H	40.81	53.98	13.17	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	53.19	4.92	V	58.11	73.98	15.87	PK
10620	39.64	4.92	V	44.56	53.98	9.42	AV
15930	49.27	4.50	V	53.77	73.98	20.21	PK
15930	34.77	4.50	V	39.27	53.98	14.71	AV
10620	53.04	4.92	H	57.96	73.98	16.02	PK
10620	39.23	4.92	H	44.15	53.98	9.83	AV
15930	49.02	4.50	H	53.52	73.98	20.46	PK
15930	34.68	4.50	H	39.18	53.98	14.80	AV

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5270 MHz  
 Channel No. 54 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	53.00	5.03	V	58.03	68.20	10.17	PK
15810	49.08	4.69	V	53.77	73.98	20.21	PK
15810	34.85	4.69	V	39.54	53.98	14.44	AV
10540	52.85	5.03	H	57.88	68.20	10.32	PK
15810	48.87	4.69	H	53.56	73.98	20.42	PK
15810	34.70	4.69	H	39.39	53.98	14.59	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	50.05	4.92	V	54.97	73.98	19.01	PK
10620	36.76	4.92	V	41.68	53.98	12.30	AV
15930	49.17	4.50	V	53.67	73.98	20.31	PK
15930	34.40	4.50	V	38.90	53.98	15.08	AV
10620	49.80	4.92	H	54.72	73.98	19.26	PK
10620	36.51	4.92	H	41.43	53.98	12.55	AV
15930	49.00	4.50	H	53.50	73.98	20.48	PK
15930	34.21	4.50	H	38.71	53.98	15.27	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	49.40	4.02	V	53.42	68.20	14.78	PK
15870	46.19	5.51	V	51.70	73.98	22.28	PK
15870	33.77	5.51	V	39.28	53.98	14.70	AV
10580	49.17	4.02	H	53.19	68.20	15.01	PK
15870	46.09	5.51	H	51.60	73.98	22.38	PK
15870	33.59	5.51	H	39.10	53.98	14.88	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	61.03	4.29	V	65.32	73.98	8.66	PK
11000	46.23	4.29	V	50.52	53.98	3.46	AV
16500	50.38	6.22	V	56.60	68.20	11.60	PK
11000	60.88	4.29	H	65.17	73.98	8.81	PK
11000	46.11	4.29	H	50.40	53.98	3.58	AV
16500	50.11	6.22	H	56.33	68.20	11.87	PK

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5580 MHz  
 Channel No. 116 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	61.43	4.28	V	65.71	73.98	8.27	PK
11160	46.22	4.28	V	50.50	53.98	3.48	AV
16740	49.38	7.73	V	57.11	68.20	11.09	PK
11160	61.00	4.28	H	65.28	73.98	8.70	PK
11160	45.87	4.28	H	50.15	53.98	3.83	AV
16740	49.17	7.73	H	56.90	68.20	11.30	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	58.37	4.38	V	62.75	73.98	11.23	PK
11440	44.88	4.38	V	49.26	53.98	4.72	AV
17160	48.14	8.77	V	56.91	68.20	11.29	PK
11440	58.07	4.38	H	62.45	73.98	11.53	PK
11440	44.57	4.38	H	48.95	53.98	5.03	AV
17160	48.00	8.77	H	56.77	68.20	11.43	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	60.69	4.29	V	64.98	73.98	9.00	PK
11000	46.30	4.29	V	50.59	53.98	3.39	AV
16500	49.37	6.22	V	55.59	68.20	12.61	PK
11000	60.24	4.29	H	64.53	73.98	9.45	PK
11000	46.01	4.29	H	50.30	53.98	3.68	AV
16500	49.07	6.22	H	55.29	68.20	12.91	PK

Band : UNII 2C  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5580 MHz  
 Channel No. 116 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	60.45	4.28	V	64.73	73.98	9.25	PK
11160	46.53	4.28	V	50.81	53.98	3.17	AV
16740	49.29	7.73	V	57.02	68.20	11.18	PK
11160	60.01	4.28	H	64.29	73.98	9.69	PK
11160	46.21	4.28	H	50.49	53.98	3.49	AV
16740	49.03	7.73	H	56.76	68.20	11.44	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	59.42	4.38	V	63.80	73.98	10.18	PK
11440	44.77	4.38	V	49.15	53.98	4.83	AV
17160	48.70	8.77	V	57.47	68.20	10.73	PK
11440	59.12	4.38	H	63.50	73.98	10.48	PK
11440	44.17	4.38	H	48.55	53.98	5.43	AV
17160	48.39	8.77	H	57.16	68.20	11.04	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	57.33	4.29	V	61.62	73.98	12.36	PK
11000	42.66	4.29	V	46.95	53.98	7.03	AV
16500	52.66	6.22	V	58.88	68.20	9.32	PK
11000	57.02	4.29	H	61.31	73.98	12.67	PK
11000	42.17	4.29	H	46.46	53.98	7.52	AV
16500	52.30	6.22	H	58.52	68.20	9.68	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5580 MHz  
 Channel No. 116 Ch

Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	61.63	4.28	V	65.91	73.98	8.07	PK
11160	46.54	4.28	V	50.82	53.98	3.16	AV
16740	47.36	7.73	V	55.09	68.20	13.11	PK
11160	61.00	4.28	H	65.28	73.98	8.70	PK
11160	46.16	4.28	H	50.44	53.98	3.54	AV
16740	47.11	7.73	H	54.84	68.20	13.36	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	58.84	4.38	V	63.22	73.98	10.76	PK
11440	44.63	4.38	V	49.01	53.98	4.97	AV
17160	48.13	8.77	V	56.90	68.20	11.30	PK
11440	58.55	4.38	H	62.93	73.98	11.05	PK
11440	44.17	4.38	H	48.55	53.98	5.43	AV
17160	47.90	8.77	H	56.67	68.20	11.53	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	52.10	4.58	V	56.68	73.98	17.30	PK
11020	39.07	4.58	V	43.65	53.98	10.33	AV
16530	47.07	6.22	V	53.29	68.20	14.91	PK
11020	51.90	4.58	H	56.48	73.98	17.50	PK
11020	38.88	4.58	H	43.46	53.98	10.52	AV
16530	46.88	6.22	H	53.10	68.20	15.10	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
11100	57.58	5.04	V	62.62	73.98	11.36	PK
11100	43.01	5.04	V	48.05	53.98	5.93	AV
16650	48.58	7.21	V	55.79	68.20	12.41	PK
11100	57.24	5.04	H	62.28	73.98	11.70	PK
11100	42.85	5.04	H	47.89	53.98	6.09	AV
16650	48.13	7.21	H	55.34	68.20	12.86	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	54.15	4.11	V	58.26	73.98	15.72	PK
11420	41.64	4.11	V	45.75	53.98	8.23	AV
17130	47.08	7.70	V	54.78	68.20	13.42	PK
11420	53.99	4.11	H	58.10	73.98	15.88	PK
11420	41.24	4.11	H	45.35	53.98	8.63	AV
17130	46.76	7.70	H	54.46	68.20	13.74	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	49.96	4.58	V	54.54	73.98	19.44	PK
11020	36.83	4.58	V	41.41	53.98	12.57	AV
16530	47.43	6.22	V	53.65	68.20	14.55	PK
11020	49.83	4.58	H	54.41	73.98	19.57	PK
11020	36.75	4.58	H	41.33	53.98	12.65	AV
16530	47.13	6.22	H	53.35	68.20	14.85	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
11100	57.45	5.04	V	62.49	73.98	11.49	PK
11100	43.46	5.04	V	48.50	53.98	5.48	AV
16650	47.86	7.21	V	55.07	68.20	13.13	PK
11100	57.11	5.04	H	62.15	73.98	11.83	PK
11100	43.24	5.04	H	48.28	53.98	5.70	AV
16650	47.53	7.21	H	54.74	68.20	13.46	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	53.78	4.11	V	57.89	73.98	16.09	PK
11420	40.15	4.11	V	44.26	53.98	9.72	AV
17130	46.91	7.70	V	54.61	68.20	13.59	PK
11420	53.39	4.11	H	57.50	73.98	16.48	PK
11420	40.01	4.11	H	44.12	53.98	9.86	AV
17130	46.59	7.70	H	54.29	68.20	13.91	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	51.00	4.97	V	55.97	73.98	18.01	PK
11060	36.34	4.97	V	41.31	53.98	12.67	AV
16590	47.17	6.79	V	53.96	68.20	14.24	PK
11060	50.54	4.97	H	55.51	73.98	18.47	PK
11060	36.00	4.97	H	40.97	53.98	13.01	AV
16590	47.00	6.79	H	53.79	68.20	14.41	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	51.98	4.20	V	56.18	73.98	17.80	PK
11380	38.87	4.20	V	43.07	53.98	10.91	AV
17070	47.20	8.73	V	55.93	68.20	12.27	PK
11380	51.67	4.20	H	55.87	73.98	18.11	PK
11380	38.34	4.20	H	42.54	53.98	11.44	AV
17070	47.04	8.73	H	55.77	68.20	12.43	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	59.48	4.19	V	63.67	73.98	10.31	PK
11490	46.17	4.19	V	50.36	53.98	3.62	AV
17235	48.11	9.09	V	57.20	68.20	11.00	PK
11490	59.04	4.19	H	63.23	73.98	10.75	PK
11490	45.99	4.19	H	50.18	53.98	3.80	AV
17235	48.59	9.09	H	57.68	68.20	10.52	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	58.80	4.83	V	63.63	73.98	10.35	PK
11570	44.61	4.83	V	49.44	53.98	4.54	AV
17355	48.37	9.81	V	58.18	68.20	10.02	PK
11570	58.00	4.83	H	62.83	73.98	11.15	PK
11570	44.24	4.83	H	49.07	53.98	4.91	AV
17355	48.82	9.81	H	58.63	68.20	9.57	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	55.90	3.70	V	59.60	73.98	14.38	PK
11650	42.86	3.70	V	46.56	53.98	7.42	AV
17475	49.11	10.25	V	59.36	68.20	8.84	PK
11650	55.39	3.70	H	59.09	73.98	14.89	PK
11650	42.55	3.70	H	46.25	53.98	7.73	AV
17475	49.37	10.25	H	59.62	68.20	8.58	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	57.47	4.19	V	61.66	73.98	12.32	PK
11490	44.16	4.19	V	48.35	53.98	5.63	AV
17235	47.23	9.09	V	56.32	68.20	11.88	PK
11490	57.04	4.19	H	61.23	73.98	12.75	PK
11490	44.00	4.19	H	48.19	53.98	5.79	AV
17235	47.71	9.09	H	56.80	68.20	11.40	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	56.84	4.83	V	61.67	73.98	12.31	PK
11570	43.15	4.83	V	47.98	53.98	6.00	AV
17355	48.01	9.81	V	57.82	68.20	10.38	PK
11570	56.35	4.83	H	61.18	73.98	12.80	PK
11570	42.99	4.83	H	47.82	53.98	6.16	AV
17355	48.25	9.81	H	58.06	68.20	10.14	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	55.81	3.70	V	59.51	73.98	14.47	PK
11650	42.57	3.70	V	46.27	53.98	7.71	AV
17475	48.74	10.25	V	58.99	68.20	9.21	PK
11650	55.23	3.70	H	58.93	73.98	15.05	PK
11650	42.16	3.70	H	45.86	53.98	8.12	AV
17475	49.04	10.25	H	59.29	68.20	8.91	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	58.56	4.19	V	62.75	73.98	11.23	PK
11490	44.55	4.19	V	48.74	53.98	5.24	AV
17235	48.47	9.09	V	57.56	68.20	10.64	PK
11490	58.04	4.19	H	62.23	73.98	11.75	PK
11490	44.15	4.19	H	48.34	53.98	5.64	AV
17235	48.82	9.09	H	57.91	68.20	10.29	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	55.71	4.83	V	60.54	73.98	13.44	PK
11570	41.87	4.83	V	46.70	53.98	7.28	AV
17355	48.42	9.81	V	58.23	68.20	9.97	PK
11570	55.39	4.83	H	60.22	73.98	13.76	PK
11570	41.53	4.83	H	46.36	53.98	7.62	AV
17355	48.61	9.81	H	58.42	68.20	9.78	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	54.59	3.70	V	58.29	73.98	15.69	PK
11650	41.54	3.70	V	45.24	53.98	8.74	AV
17475	49.54	10.25	V	59.79	68.20	8.41	PK
11650	54.21	3.70	H	57.91	73.98	16.07	PK
11650	41.36	3.70	H	45.06	53.98	8.92	AV
17475	49.76	10.25	H	60.01	68.20	8.19	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	54.45	4.20	V	58.65	73.98	15.33	PK
11510	41.16	4.20	V	45.36	53.98	8.62	AV
17265	46.99	9.64	V	56.63	68.20	11.57	PK
11510	54.23	4.20	H	58.43	73.98	15.55	PK
11510	41.00	4.20	H	45.20	53.98	8.78	AV
17265	47.09	9.64	H	56.73	68.20	11.47	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	56.14	4.91	V	61.05	73.98	12.93	PK
11590	42.00	4.91	V	46.91	53.98	7.07	AV
17385	48.00	10.20	V	58.20	68.20	10.00	PK
11590	55.85	4.91	H	60.76	73.98	13.22	PK
11590	41.77	4.91	H	46.68	53.98	7.30	AV
17385	48.08	10.20	H	58.28	68.20	9.92	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	54.25	4.20	V	58.45	73.98	15.53	PK
11510	41.66	4.20	V	45.86	53.98	8.12	AV
17265	46.54	9.64	V	56.18	68.20	12.02	PK
11510	54.11	4.20	H	58.31	73.98	15.67	PK
11510	41.24	4.20	H	45.44	53.98	8.54	AV
17265	46.88	9.64	H	56.52	68.20	11.68	PK

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5795 MHz  
 Channel No. 159 Ch

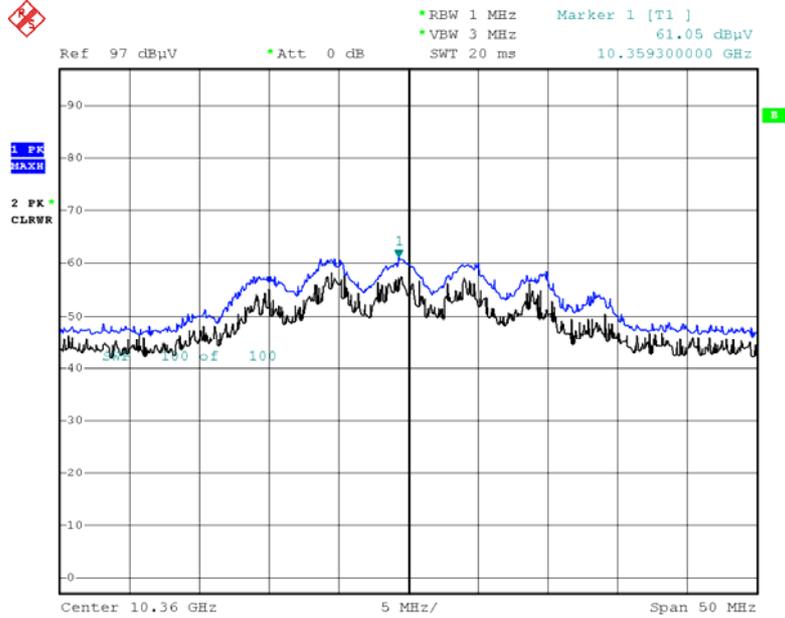
Frequency [MHz]	Reading [dBuV]	A.F.+C.L. -A.G+D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	55.07	4.91	V	59.98	73.98	14.00	PK
11590	41.56	4.91	V	46.47	53.98	7.51	AV
17385	47.23	10.20	V	57.43	68.20	10.77	PK
11590	54.87	4.91	H	59.78	73.98	14.20	PK
11590	41.36	4.91	H	46.27	53.98	7.71	AV
17385	47.62	10.20	H	57.82	68.20	10.38	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	51.68	4.50	V	56.18	73.98	17.80	PK
11550	38.60	4.50	V	43.10	53.98	10.88	AV
17325	47.75	10.22	V	57.97	68.20	10.23	PK
11550	51.24	3.32	H	54.56	73.98	19.42	PK
11550	38.35	3.32	H	41.67	53.98	12.31	AV
17325	47.85	10.22	H	58.07	68.20	10.13	PK

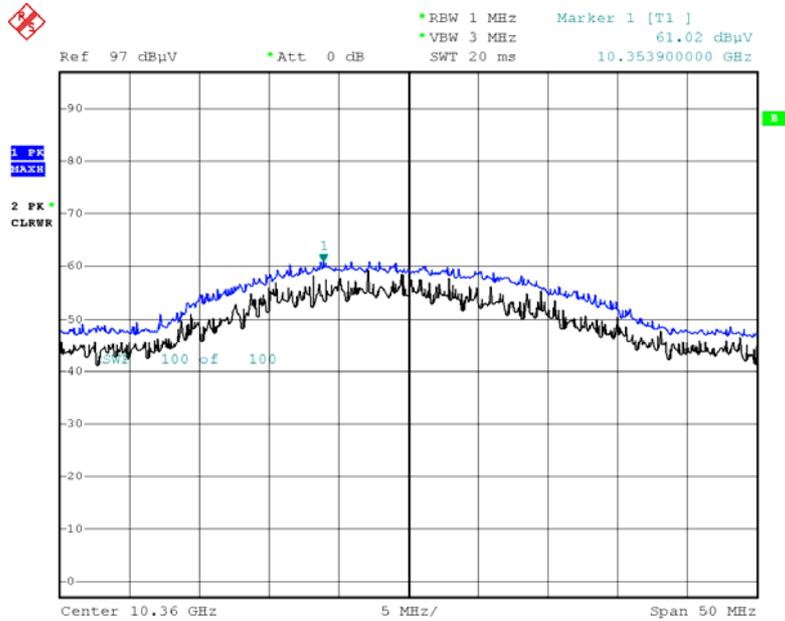
## Test Plots

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



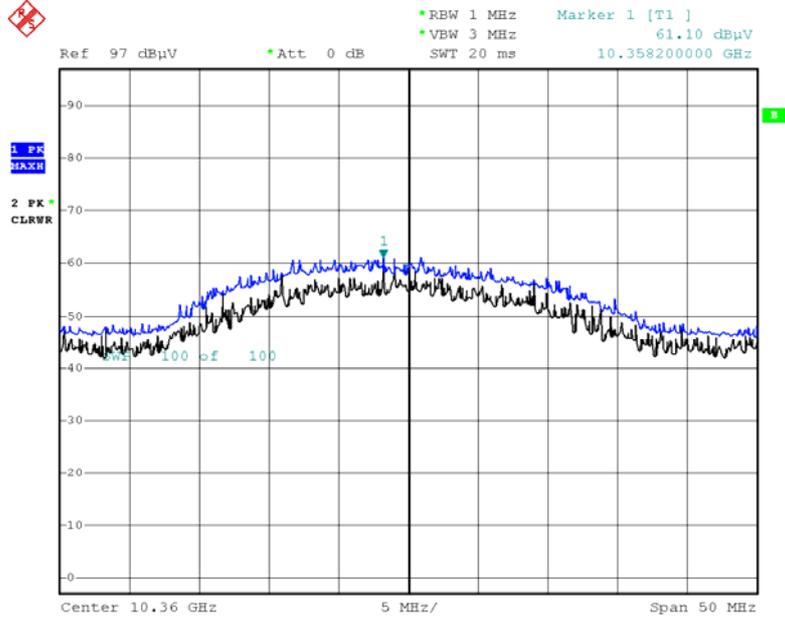
Date: 11.JUL.2019 03:01:32

### Peak Reading (802.11n(HT20), Ch.36 2nd Harmonic, Z-V)



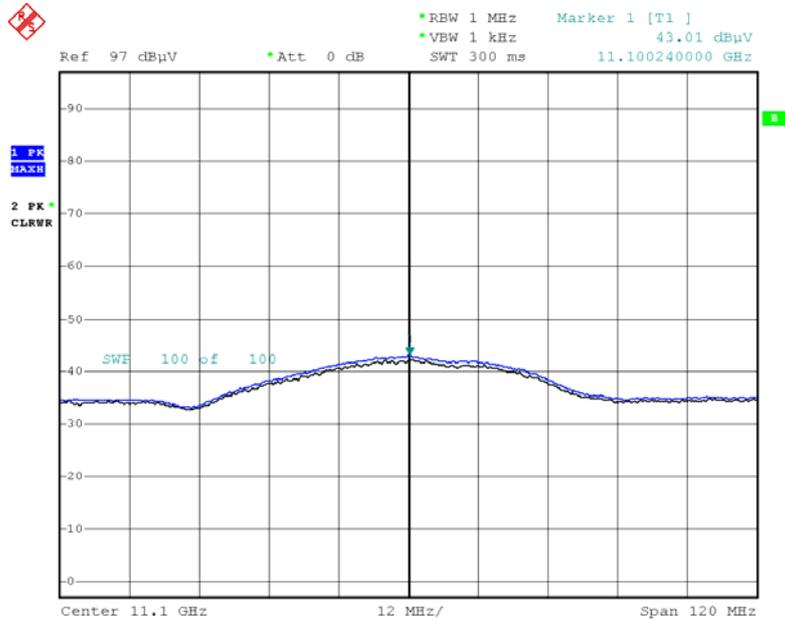
Date: 11.JUL.2019 03:18:39

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



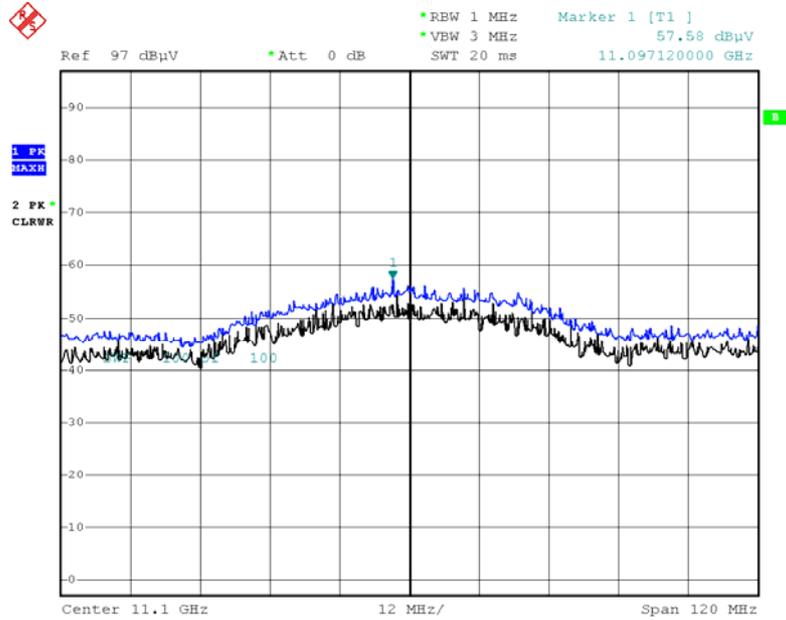
Date: 11.JUL.2019 03:24:53

### Average Reading (802.11n(HT40), Ch.110 2nd Harmonic, Z-V)



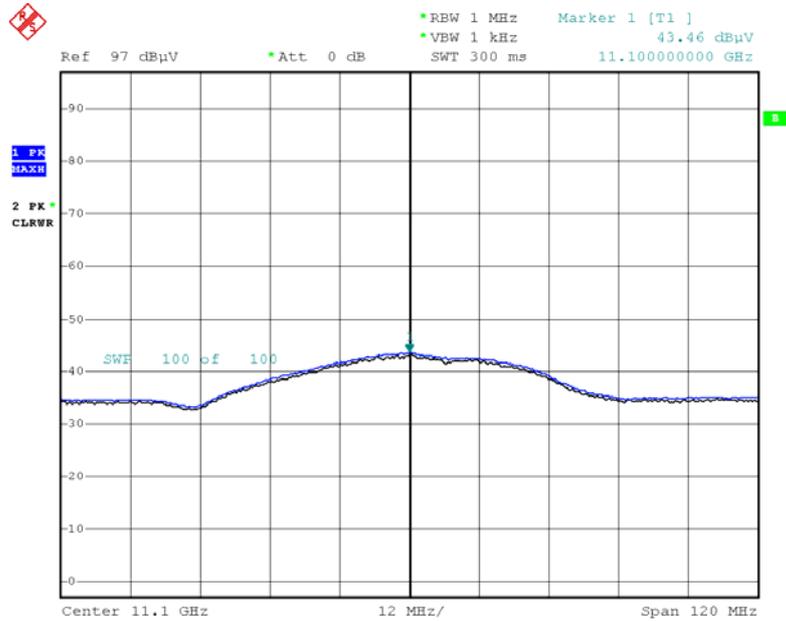
Date: 11.JUL.2019 12:50:45

### Peak Reading (802.11n(HT40), Ch.110 2nd Harmonic, Z-V)



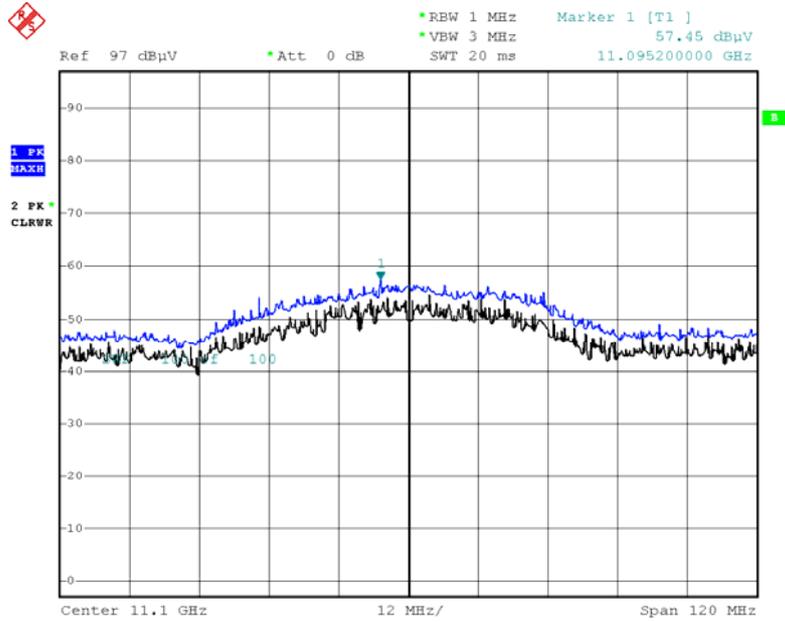
Date: 11.JUL.2019 12:51:05

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



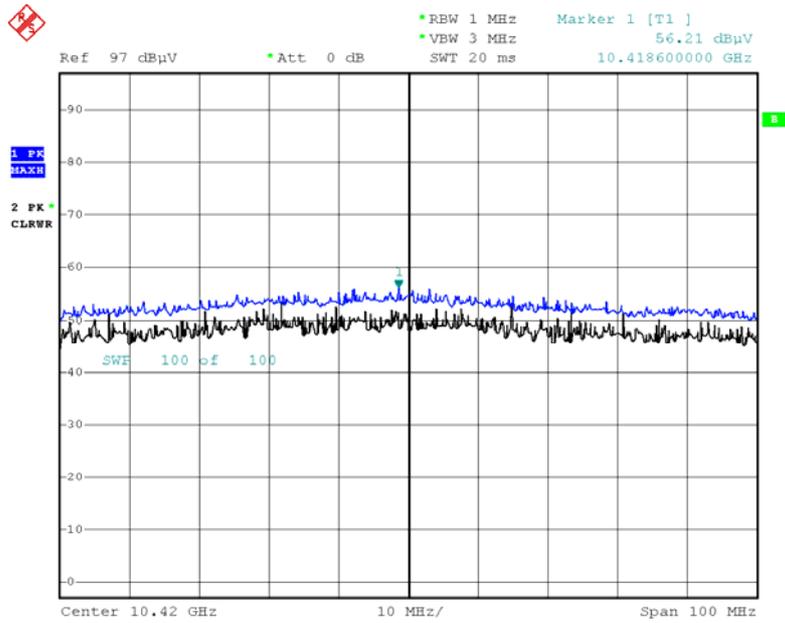
Date: 11.JUL.2019 12:52:59

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



Date: 11.JUL.2019 12:53:23

### Peak Reading (802.11ac(VHT80), Ch.42 2nd Harmonic, Z-V)



Date: 11.JUL.2019 03:37:38

**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	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	52.48	11.06	H	63.54	73.98	10.44	PK
5150	36.29	11.06	H	47.35	53.98	6.63	AV
5150	52.18	11.06	V	63.24	73.98	10.74	PK
5150	36.11	11.06	V	47.17	53.98	6.81	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	57.40	11.06	H	68.46	73.98	5.52	PK
5150	39.61	11.06	H	50.67	53.98	3.31	AV
5150	57.11	11.06	V	68.17	73.98	5.81	PK
5150	39.55	11.06	V	50.61	53.98	3.37	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	54.38	11.06	H	65.44	73.98	8.54	PK
5150	39.83	11.06	H	50.89	53.98	3.09	AV
5150	54.11	11.06	V	65.17	73.98	8.81	PK
5150	39.54	11.06	V	50.6	53.98	3.38	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	58.60	11.06	H	69.66	73.98	4.32	PK
5150	39.35	11.06	H	50.41	53.98	3.57	AV
5150	58.16	11.06	V	69.22	73.98	4.76	PK
5150	39.05	11.06	V	50.11	53.98	3.87	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	53.82	11.06	H	64.88	73.98	9.10	PK
5150	38.64	11.06	H	49.7	53.98	4.28	AV
5150	53.24	11.06	V	64.3	73.98	9.68	PK
5150	38.11	11.06	V	49.17	53.98	4.81	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	56.61	11.06	H	67.67	73.98	6.31	PK
5150	38.82	11.06	H	49.88	53.98	4.10	AV
5150	56.31	11.06	V	67.37	73.98	6.61	PK
5150	38.44	11.06	V	49.5	53.98	4.48	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	56.01	11.86	H	67.87	73.98	6.11	PK
5350	38.06	11.86	H	49.92	53.98	4.06	AV
5350	55.90	11.86	V	67.76	73.98	6.22	PK
5350	37.54	11.86	V	49.4	53.98	4.58	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	58.46	11.86	H	70.32	73.98	3.66	PK
5350	38.47	11.86	H	50.33	53.98	3.65	AV
5350	58.17	11.86	V	70.03	73.98	3.95	PK
5350	38.13	11.86	V	49.99	53.98	3.99	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.		Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
		+D.F. [dB]	ANT. POL [H/V]				
5350	55.95	11.86	H	67.81	73.98	6.17	PK
5350	38.83	11.86	H	50.69	53.98	3.29	AV
5350	55.71	11.86	V	67.57	73.98	6.41	PK
5350	38.54	11.86	V	50.4	53.98	3.58	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.		Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
		+D.F. [dB]	ANT. POL [H/V]				
5350	58.53	11.86	H	70.39	73.98	3.59	PK
5350	37.90	11.86	H	49.76	53.98	4.22	AV
5350	58.24	11.86	V	70.1	73.98	3.88	PK
5350	37.12	11.86	V	48.98	53.98	5.00	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.		Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
		+D.F. [dB]	ANT. POL [H/V]				
5350	56.45	11.86	H	68.31	73.98	5.67	PK
5350	38.44	11.86	H	50.3	53.98	3.68	AV
5350	56.15	11.86	V	68.01	73.98	5.97	PK
5350	38.04	11.86	V	49.9	53.98	4.08	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.		Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
		+D.F. [dB]	ANT. POL [H/V]				
5350	55.92	11.86	H	67.78	73.98	6.20	PK
5350	37.96	11.86	H	49.82	53.98	4.16	AV
5350	55.50	11.86	V	67.36	73.98	6.62	PK
5350	37.41	11.86	V	49.27	53.98	4.71	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	48.13	12.24	H	60.37	73.98	13.61	PK
5460	35.17	12.24	H	47.41	53.98	6.57	AV
5470	51.70	12.50	H	64.2	68.20	4.00	PK
5460	48.01	12.24	V	60.25	73.98	13.73	PK
5460	35.30	12.24	V	47.54	53.98	6.44	AV
5470	51.05	12.50	V	63.55	68.20	4.65	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	48.42	12.24	H	60.66	73.98	13.32	PK
5460	34.74	12.24	H	46.98	53.98	7.00	AV
5470	52.19	12.50	H	64.69	68.20	3.51	PK
5460	48.24	12.24	V	60.48	73.98	13.50	PK
5460	34.11	12.24	V	46.35	53.98	7.63	AV
5470	51.98	12.50	V	64.48	68.20	3.72	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	47.62	12.24	H	59.86	73.98	14.12	PK
5460	34.28	12.24	H	46.52	53.98	7.46	AV
5470	52.02	12.50	H	64.52	68.20	3.68	PK
5460	47.24	12.24	V	59.48	73.98	14.50	PK
5460	34.16	12.24	V	46.4	53.98	7.58	AV
5470	51.55	12.50	V	64.05	68.20	4.15	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	49.10	12.24	H	61.34	73.98	12.64	PK
5460	34.26	12.24	H	46.5	53.98	7.48	AV
5470	52.48	12.50	H	64.98	68.20	3.22	PK
5460	48.55	12.24	V	60.79	73.98	13.19	PK
5460	34.06	12.24	V	46.3	53.98	7.68	AV
5470	52.14	12.50	V	64.64	68.20	3.56	PK

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5510 MHz  
 Channel No. 102 Ch

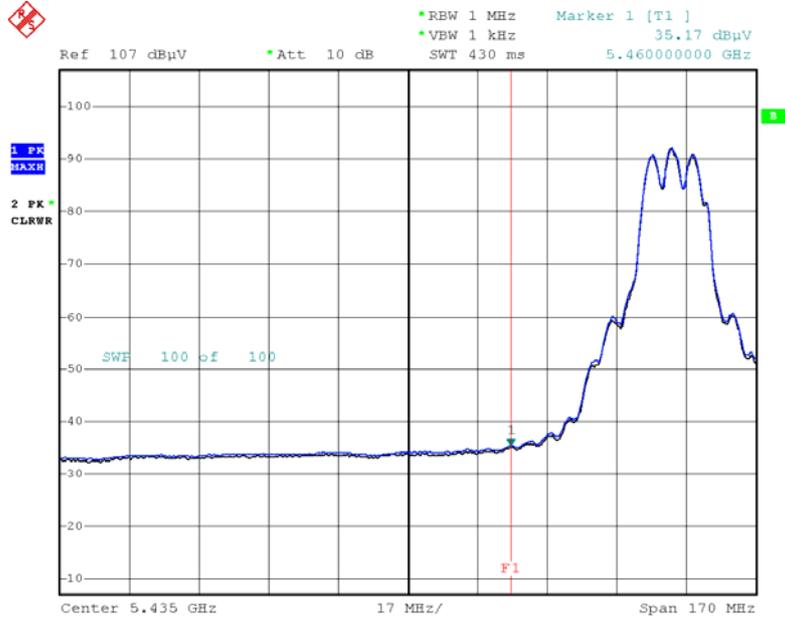
Frequency [MHz]	Reading DBuV	AN.+CL-AMP+ATT. +D.F. [dB]	ANT. POL [H/V]	Total [dBUV/m]	Limit [dBUV/m]	Margin [dB]	Measurement Type
5460	48.93	12.24	H	61.17	73.98	12.81	PK
5460	34.41	12.24	H	46.65	53.98	7.33	AV
5470	52.42	12.50	H	64.92	68.20	3.28	PK
5460	48.55	12.24	V	60.79	73.98	13.19	PK
5460	34.01	12.24	V	46.25	53.98	7.73	AV
5470	52.11	12.50	V	64.61	68.20	3.59	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	51.47	12.24	H	63.71	73.98	10.27	PK
5460	36.95	12.24	H	49.19	53.98	4.79	AV
5470	52.37	12.50	H	64.87	68.20	3.33	PK
5460	51.07	12.24	V	63.31	73.98	10.67	PK
5460	36.66	12.24	V	48.9	53.98	5.08	AV
5470	52.04	12.50	V	64.54	68.20	3.66	PK

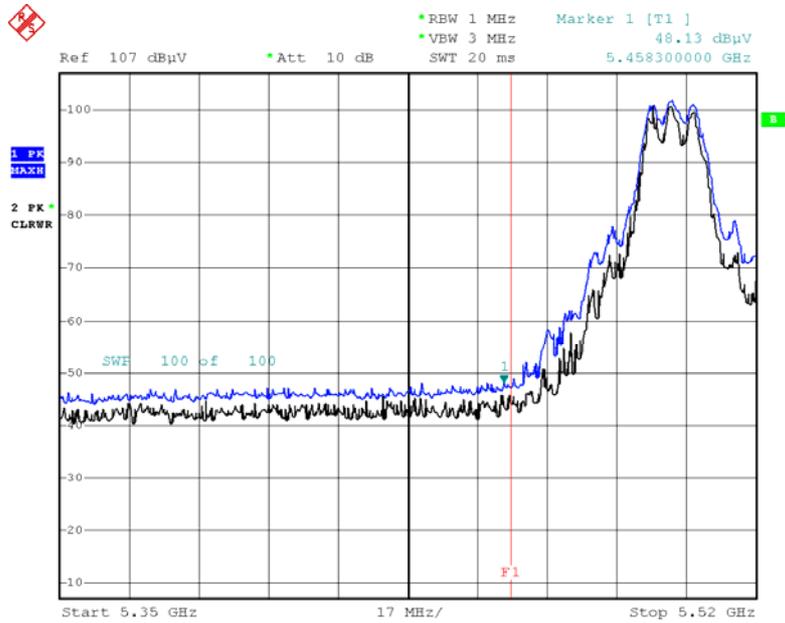
☐ Test Plots(UNII 1, 2A, 2C)

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



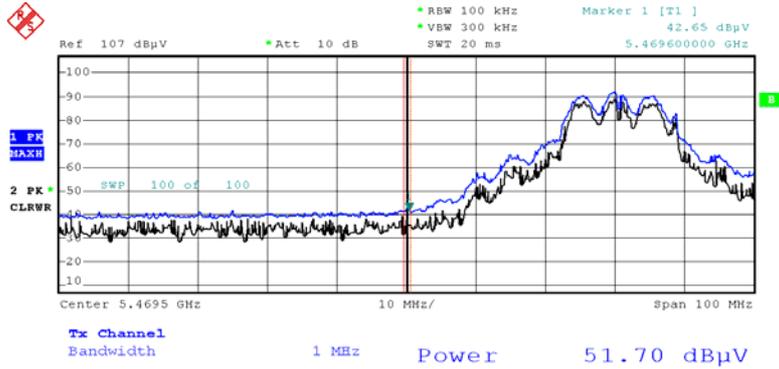
Date: 10.JUL.2019 08:48:51

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



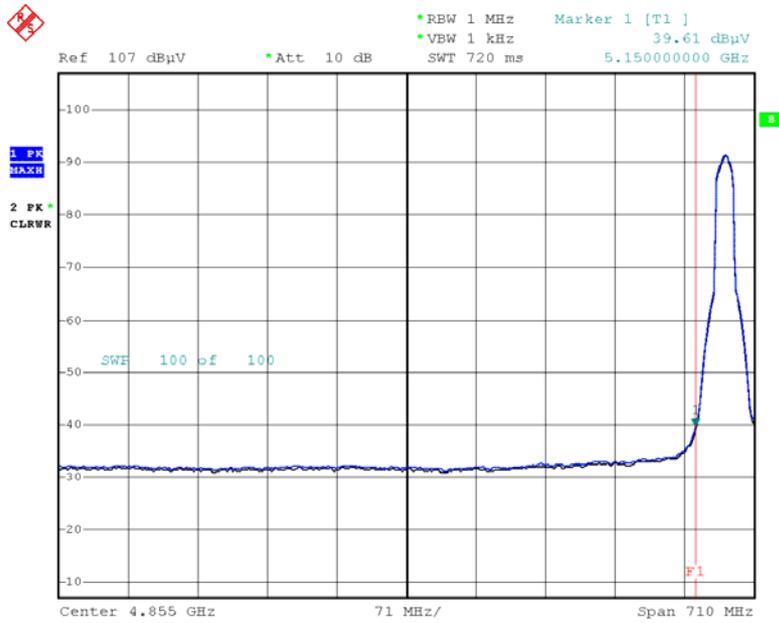
Date: 10.JUL.2019 08:47:25

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



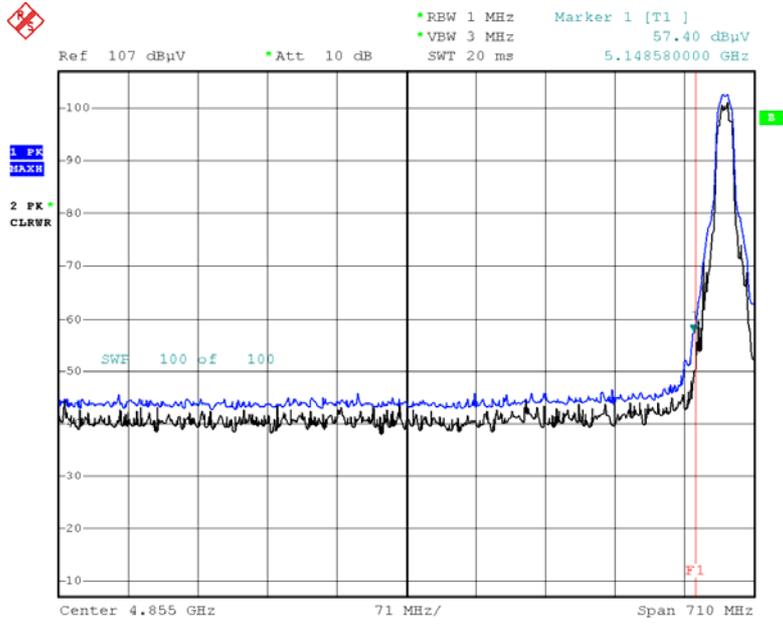
Date: 10.JUL.2019 09:45:17

### Average Reading (802.11n(HT20), Ch.36 , Z-H)



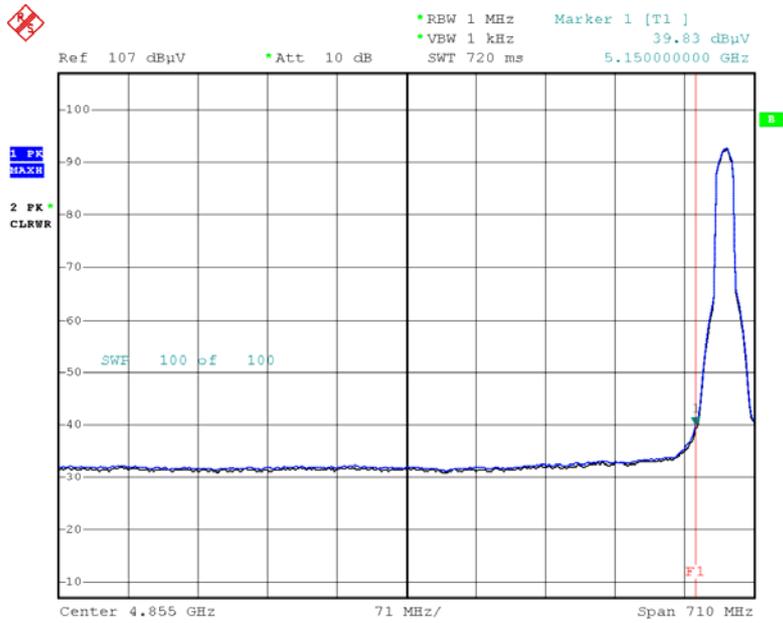
Date: 10.JUL.2019 07:35:18

(802.11n(HT20), Ch.36, Z-H)



Date: 10.JUL.2019 07:25:30

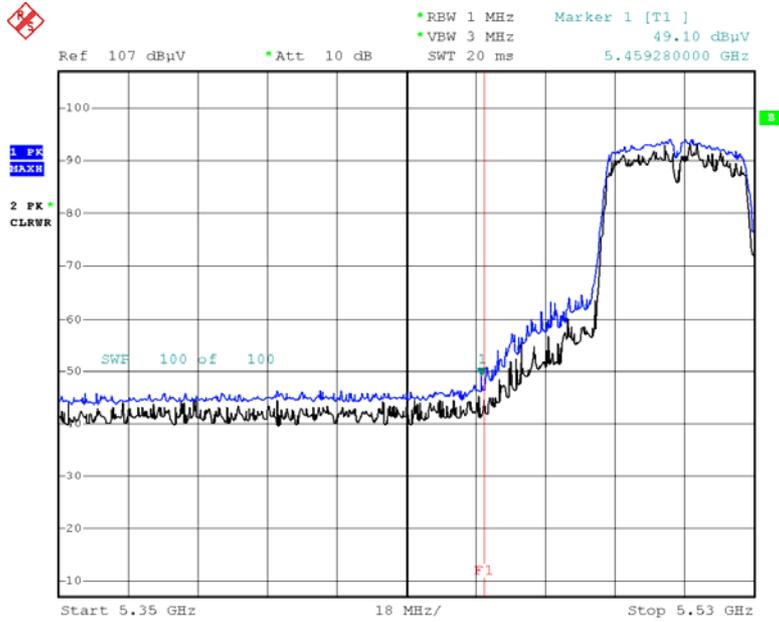
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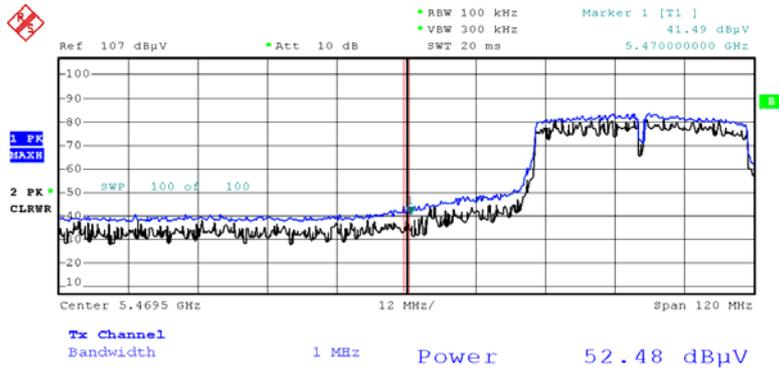


(802.11n(HT40), Ch.102, Z-H)



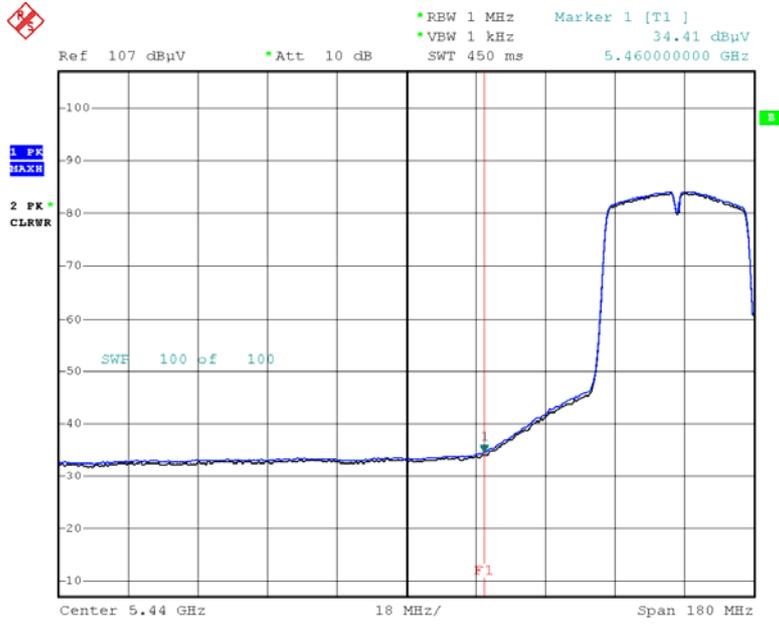
Date: 10.JUL.2019 09:13:30

Peak Reading (802.11n(HT40), Ch.102, Z-H)



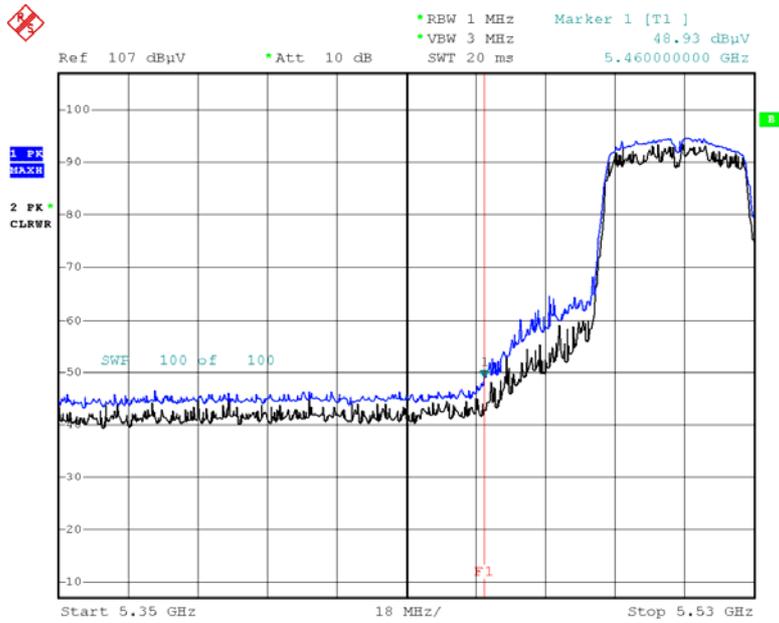
Date: 10.JUL.2019 09:12:40

(802.11ac(VHT40), Ch.102, Z-H)



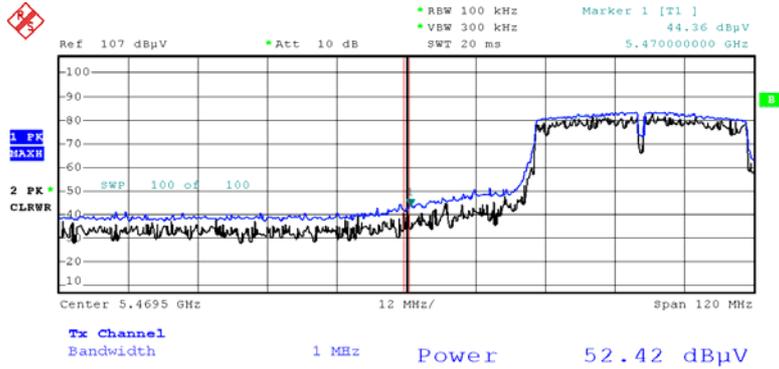
Date: 10.JUL.2019 09:22:32

Peak Reading (802.11ac(VHT40), Ch.102, Z-H)



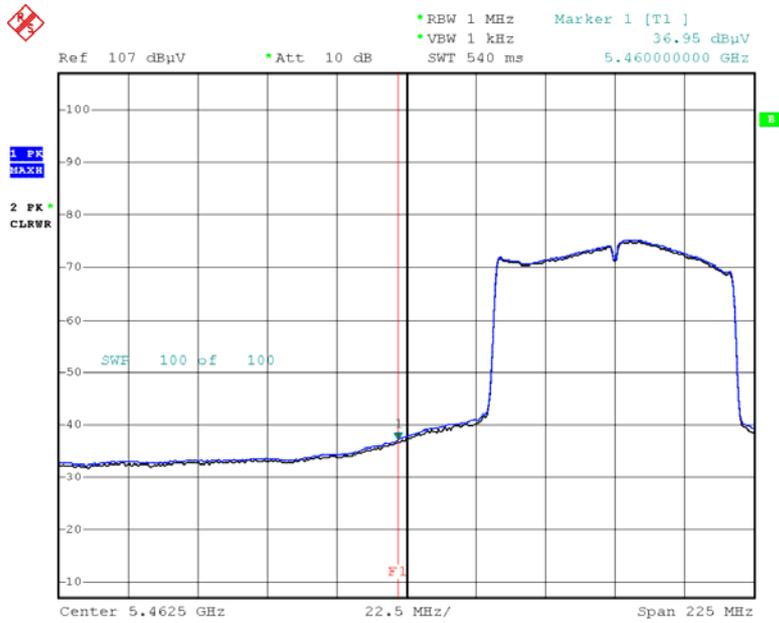
Date: 10.JUL.2019 09:20:31

(802.11ac(VHT40), Ch.102, Z-H)



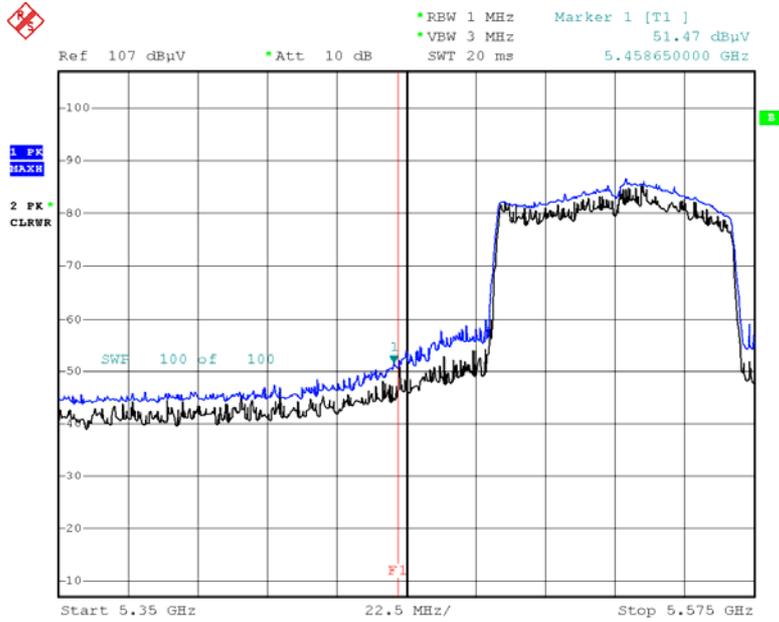
Date: 10.JUL.2019 09:19:06

Average Reading (802.11ac(VHT80), Ch.106, Z-H)



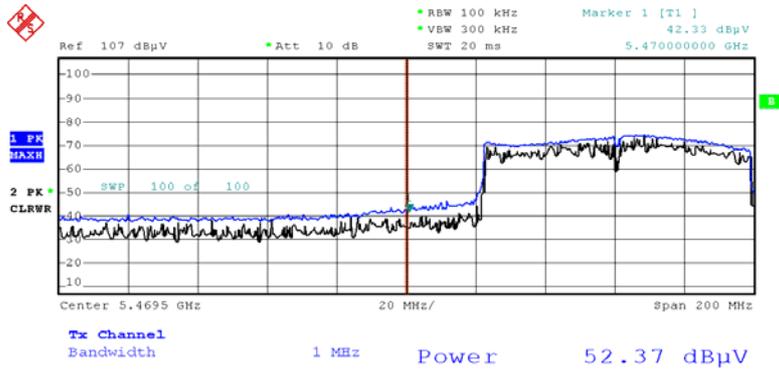
Date: 10.JUL.2019 09:31:32

(802.11ac(VHT80), Ch.106, Z-H)



Date: 10.JUL.2019 09:29:36

Peak Reading (802.11ac(VHT80), Ch.106, Z-H)



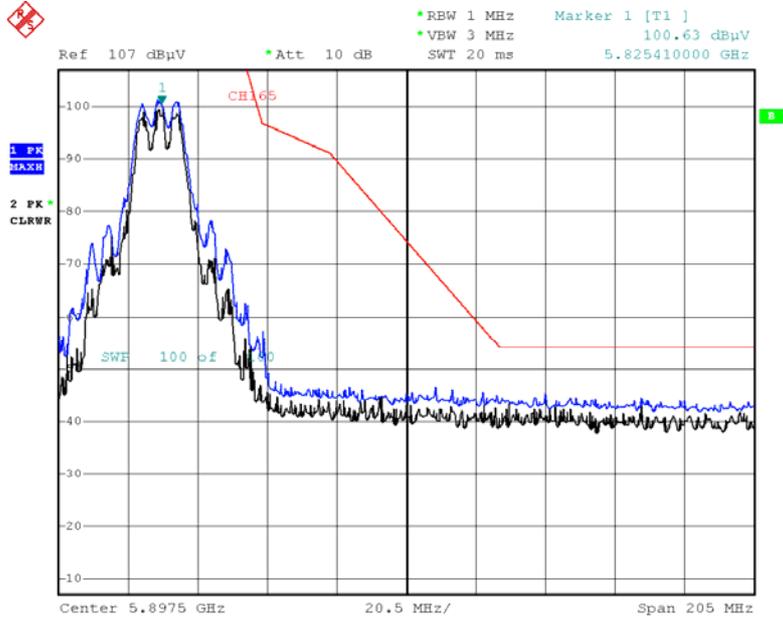
Date: 10.JUL.2019 09:28:25

**Note:**

Only the worst case plots for Radiated Restricted Band Edge.

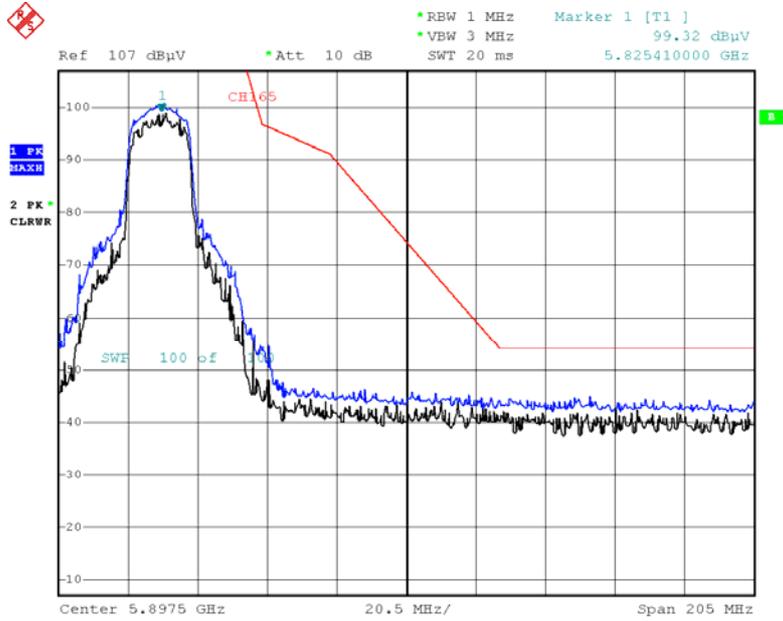
Test Plots(UNII 3)

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



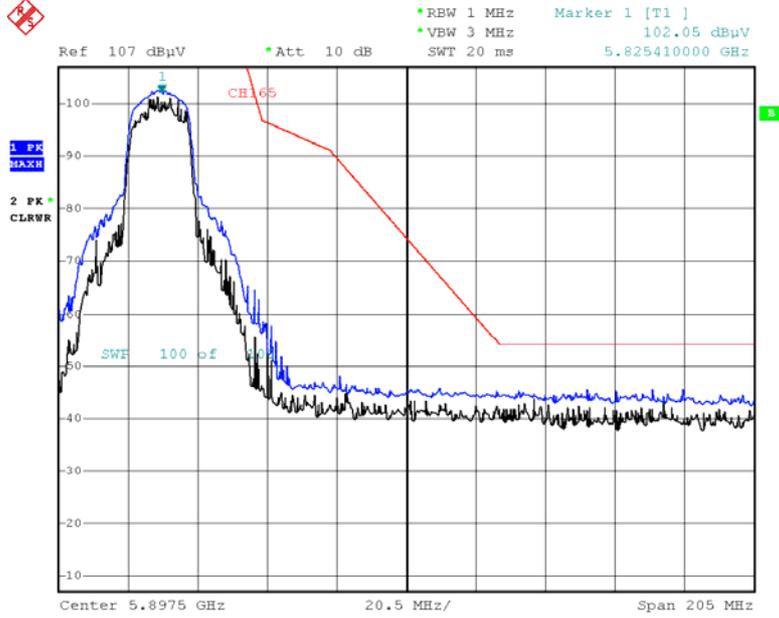
Date: 10.JUL.2019 03:58:14

### Peak Reading (802.11n\_HT20, Ch.165, Z-V)



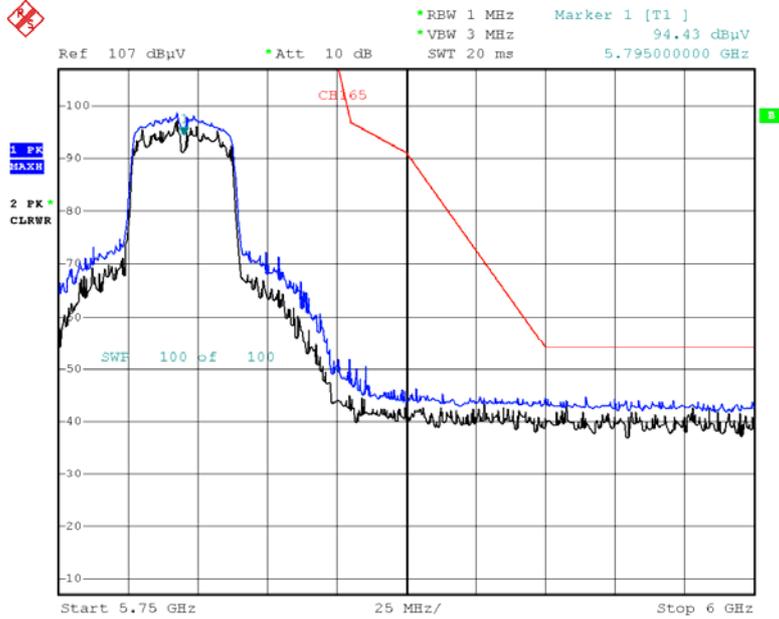
Date: 10.JUL.2019 03:57:36

### Peak Reading (802.11ac\_VHT20, Ch.165, Z-V)



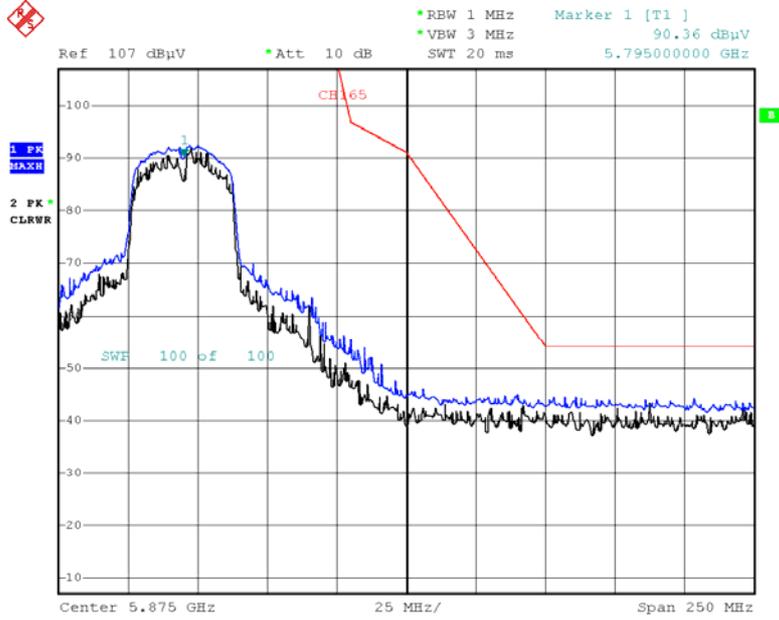
Date: 10.JUL.2019 03:57:01

### Peak Reading (802.11n\_HT40, Ch.159, Z-V)



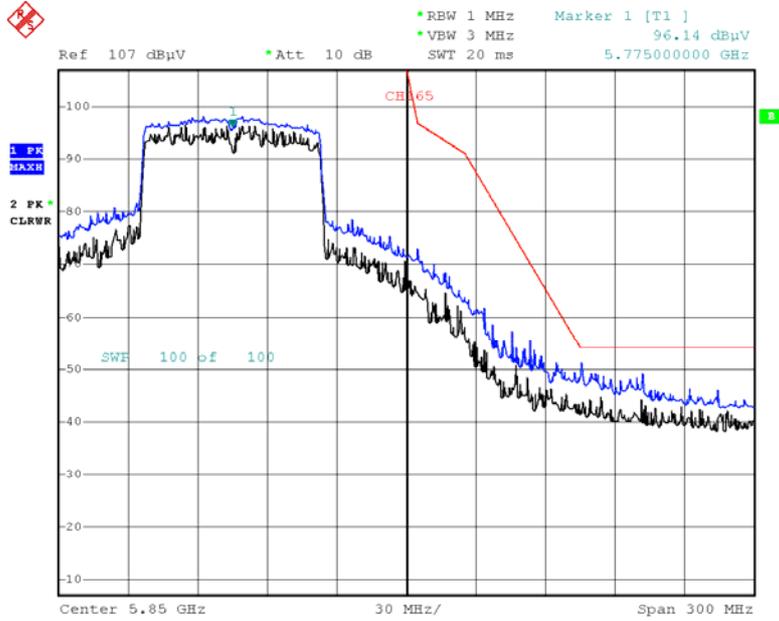
Date: 10.JUL.2019 03:59:26

### Peak Reading (802.11ac\_VHT40, Ch.159, Z-V)



Date: 10.JUL.2019 04:00:10

### Peak Reading (802.11ac\_VHT80, Ch.155, Z-V)



Date: 10.JUL.2019 04:01:22

## 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

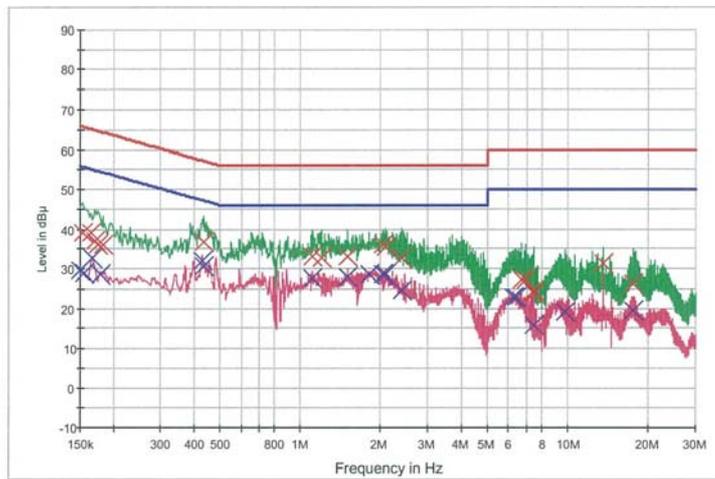
1 / 2

## HCT TEST Report

### Common Information

EUT: LGSBWAC94  
 Manufacturer: LG Electronics, Inc.  
 Test Site: SHIELD ROOM  
 Operating Conditions: WIFI 5G\_L1

FCC CLASS B



— FCC CLASS B\_QP      — FCC CLASS B\_AV      — Preview Result 1-PK+  
— Preview Result 2-AVG      x Final Result 1-QPK      x Final Result 2-CAV

### Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.154000	39.1	9.000	Off	L1	9.6	26.7	65.8
0.164000	39.2	9.000	Off	L1	9.6	26.1	65.3
0.170000	37.1	9.000	Off	L1	9.6	27.8	65.0
0.174000	36.2	9.000	Off	L1	9.6	28.6	64.8
0.182000	36.2	9.000	Off	L1	9.6	28.2	64.4
0.436000	36.8	9.000	Off	L1	9.7	20.3	57.1
1.114000	32.9	9.000	Off	L1	9.7	23.1	56.0
1.204000	32.8	9.000	Off	L1	9.7	23.2	56.0
1.504000	33.2	9.000	Off	L1	9.8	22.8	56.0
2.048000	36.2	9.000	Off	L1	9.7	19.8	56.0
2.080000	35.4	9.000	Off	L1	9.7	20.6	56.0
2.402000	32.7	9.000	Off	L1	9.8	23.3	56.0
6.742000	27.2	9.000	Off	L1	9.9	32.8	60.0
6.922000	27.5	9.000	Off	L1	9.9	32.5	60.0
7.420000	24.6	9.000	Off	L1	9.9	35.4	60.0
7.444000	24.0	9.000	Off	L1	9.9	36.0	60.0
13.562000	31.5	9.000	Off	L1	10.0	28.5	60.0
17.452000	26.3	9.000	Off	L1	10.1	33.7	60.0

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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)
0.150000	29.5	9.000	Off	L1	9.6	26.5	56.0
0.156000	29.0	9.000	Off	L1	9.6	26.7	55.7
0.166000	32.7	9.000	Off	L1	9.6	22.5	55.2
0.178000	28.7	9.000	Off	L1	9.6	25.9	54.6
0.432000	31.9	9.000	Off	L1	9.7	15.3	47.2
0.436000	30.7	9.000	Off	L1	9.7	16.4	47.1
1.114000	27.5	9.000	Off	L1	9.7	18.5	46.0
1.504000	28.0	9.000	Off	L1	9.8	18.0	46.0
1.810000	28.5	9.000	Off	L1	9.7	17.5	46.0
2.048000	28.6	9.000	Off	L1	9.7	17.4	46.0
2.080000	28.6	9.000	Off	L1	9.7	17.4	46.0
2.402000	24.6	9.000	Off	L1	9.8	21.4	46.0
6.238000	22.9	9.000	Off	L1	9.9	27.1	50.0
6.440000	22.7	9.000	Off	L1	9.9	27.3	50.0
7.420000	15.7	9.000	Off	L1	9.9	34.3	50.0
7.426000	15.6	9.000	Off	L1	9.9	34.4	50.0
9.768000	19.0	9.000	Off	L1	10.0	31.0	50.0
17.452000	19.4	9.000	Off	L1	10.1	30.6	50.0

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Conducted Emissions (Line 2)

Test

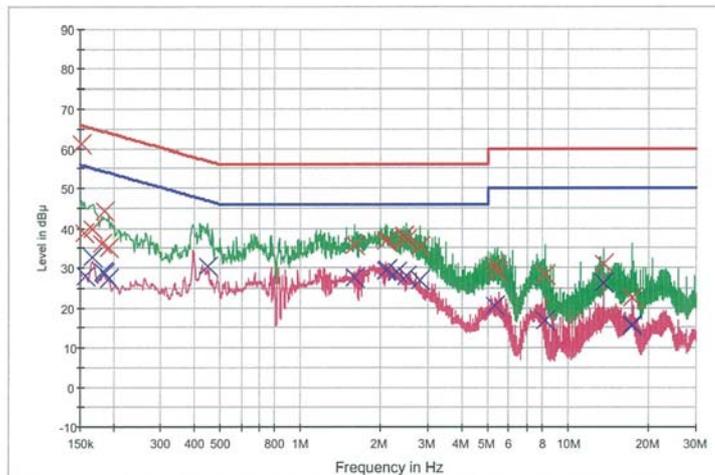
1 / 2

### HCT TEST Report

**Common Information**

EUT: LGSBWAC94  
 Manufacturer: LG Electronics, Inc.  
 Test Site: SHIELD ROOM  
 Operating Conditions: WIFI 5G\_N

FCC CLASS B



— FCC CLASS B\_QP     — FCC CLASS B\_AV     — Preview Result 1-PK+  
— Preview Result 2-AVG     x Final Result 1-QPK     x Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	61.0	9.000	Off	N	9.6	4.9	65.9
0.156000	38.9	9.000	Off	N	9.6	26.8	65.7
0.166000	39.8	9.000	Off	N	9.6	25.4	65.2
0.180000	36.0	9.000	Off	N	9.6	28.5	64.5
0.186000	44.1	9.000	Off	N	9.6	20.1	64.2
0.192000	35.0	9.000	Off	N	9.6	29.0	63.9
1.590000	35.6	9.000	Off	N	9.7	20.4	56.0
2.080000	36.8	9.000	Off	N	9.7	19.2	56.0
2.110000	37.0	9.000	Off	N	9.7	19.0	56.0
2.438000	38.0	9.000	Off	N	9.7	18.0	56.0
2.484000	37.1	9.000	Off	N	9.7	19.0	56.0
2.786000	35.3	9.000	Off	N	9.8	20.7	56.0
5.308000	30.6	9.000	Off	N	9.8	29.4	60.0
5.408000	28.9	9.000	Off	N	9.8	31.1	60.0
8.222000	28.4	9.000	Off	N	9.9	31.6	60.0
13.562000	31.2	9.000	Off	N	10.0	28.8	60.0
17.280000	22.6	9.000	Off	N	10.1	37.4	60.0
17.340000	22.5	9.000	Off	N	10.1	37.5	60.0

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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)
0.158000	27.8	9.000	Off	N	9.6	27.7	55.6
0.166000	32.7	9.000	Off	N	9.6	22.4	55.2
0.182000	29.1	9.000	Off	N	9.6	25.3	54.4
0.186000	28.5	9.000	Off	N	9.6	25.7	54.2
0.192000	27.1	9.000	Off	N	9.6	26.8	53.9
0.448000	30.5	9.000	Off	N	9.6	16.5	46.9
1.590000	27.6	9.000	Off	N	9.7	18.4	46.0
2.080000	29.4	9.000	Off	N	9.7	16.6	46.0
2.110000	29.7	9.000	Off	N	9.7	16.3	46.0
2.282000	29.0	9.000	Off	N	9.7	17.0	46.0
2.486000	28.0	9.000	Off	N	9.7	18.0	46.0
2.786000	27.0	9.000	Off	N	9.8	19.0	46.0
5.306000	20.5	9.000	Off	N	9.8	29.5	50.0
8.222000	16.7	9.000	Off	N	9.9	33.3	50.0
13.562000	26.2	9.000	Off	N	10.0	23.8	50.0
17.280000	15.7	9.000	Off	N	10.1	34.3	50.0
17.288000	15.8	9.000	Off	N	10.1	34.2	50.0
17.340000	15.5	9.000	Off	N	10.1	34.5	50.0

2019-07-16

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## 11. LIST OF TEST EQUIPMENT

### Conducted Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	12/12/2018	Annual	102245
Rohde & Schwarz	ESCI / Test Receiver	06/18/2019	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
WEINSCHHEL	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-FI006-P