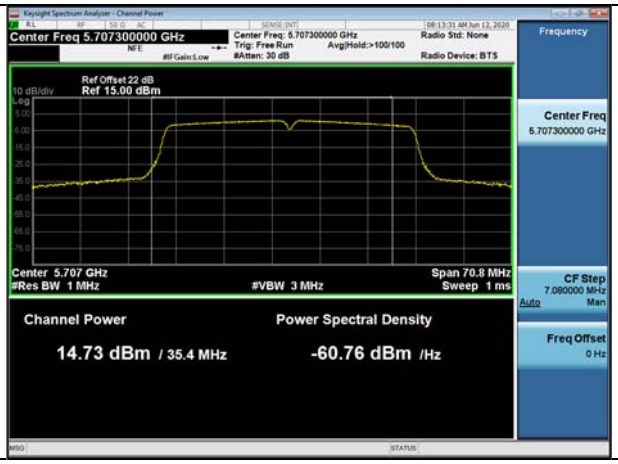
802.11n(HT40) UNII 2C Band

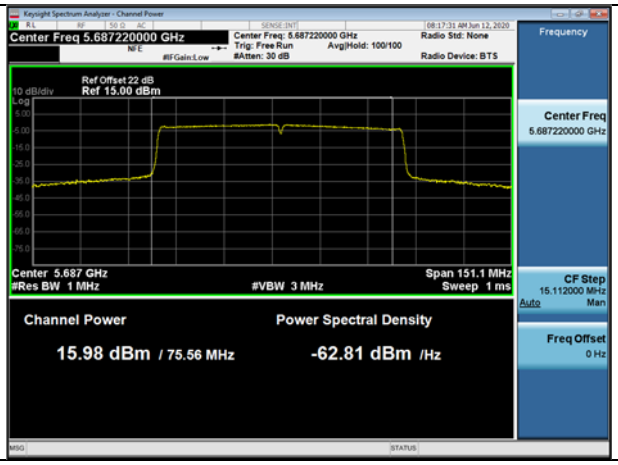
802.11n(HT40) UNII 3 Band

802.11ac(VHT40) UNII 2C Band

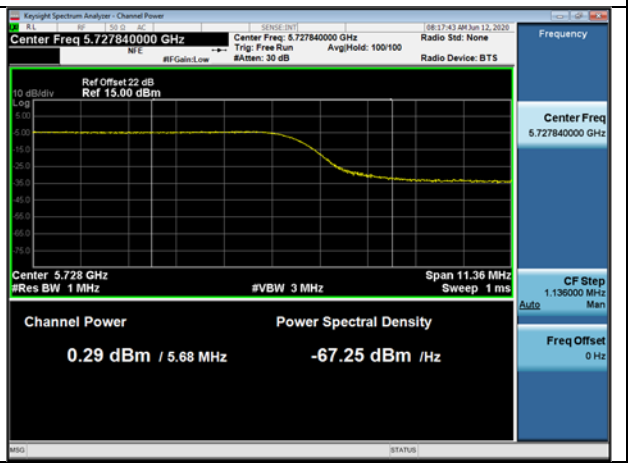


802.11ac(VHT40) UNII 3 Band

802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



10.6.4 Power Spectral Density

[ANT1]

Mode	Frequency [MHz]	Channel	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	4.558	11.00
802.11n(HT20)			5.064	11.00
802.11ac(VHT20)			4.347	11.00
802.11a	5720 (UNII 3 Band)	144	-0.295	30.00
802.11n(HT20)			0.275	30.00
802.11ac(VHT20)			-0.413	30.00

Mode	Frequency [MHz]	Channel	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	0.904	11.00
802.11ac(VHT40)			1.271	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-4.756	30.00
802.11ac(VHT40)			-4.107	30.00

Mode	Frequency [MHz]	Channel	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-1.983	11.00
	5690 (UNII 3 Band)	138	-6.974	30.00

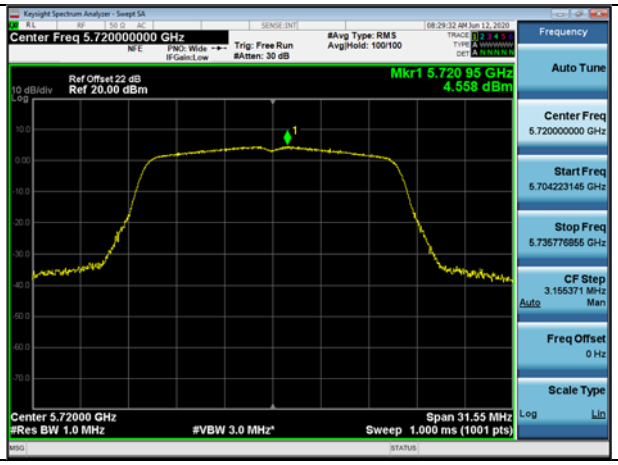
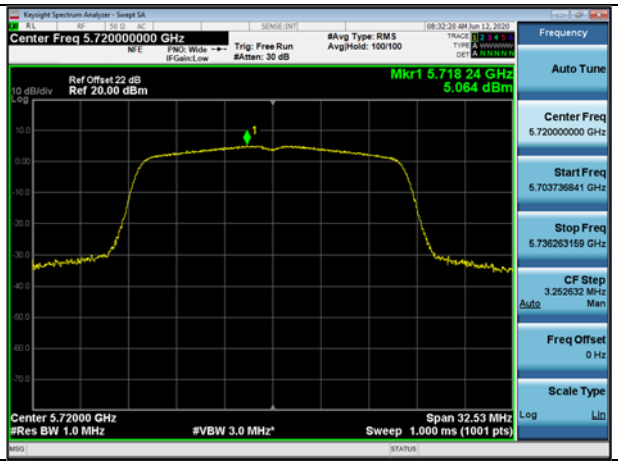
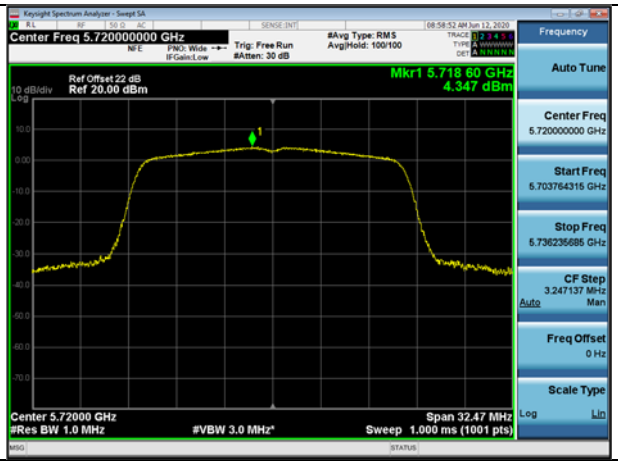
[ANT2]

Mode	Frequency [MHz]	Channel	Total PSD (dBm)	Limit (dBm)
802.11a	5720 (UNII 2C Band)	144	3.660	11.00
802.11n(HT20)			4.682	11.00
802.11ac(VHT20)			4.876	11.00
802.11a	5720 (UNII 3 Band)	144	-1.110	30.00
802.11n(HT20)			-0.173	30.00
802.11ac(VHT20)			-0.051	30.00

Mode	Frequency [MHz]	Channel	Total PSD (dBm)	Limit (dBm)
802.11n(HT40)	5710 (UNII 2C Band)	142	1.080	11.00
802.11ac(VHT40)			1.178	11.00
802.11n(HT40)	5710 (UNII 3 Band)	142	-4.642	30.00
802.11ac(VHT40)			-4.586	30.00

Mode	Frequency [MHz]	Channel	Total PSD (dBm)	Limit (dBm)
802.11ac(VHT80)	5690 (UNII 2C Band)	138	-1.144	11.00
	5690 (UNII 3 Band)	138	-6.451	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
	

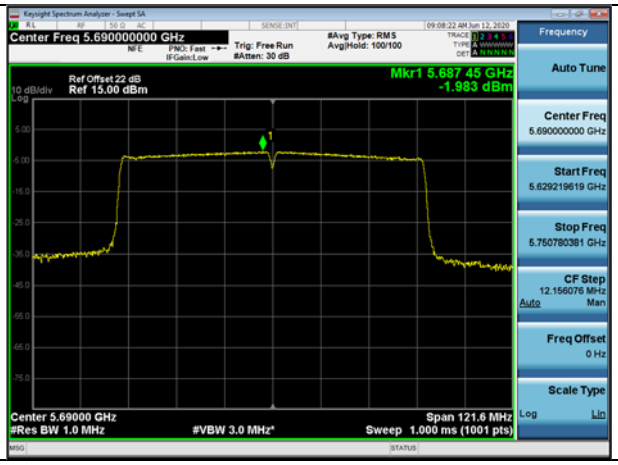
802.11n(HT40) UNII 2C Band

802.11n(HT40) UNII 3 Band

802.11ac(VHT40) UNII 2C Band

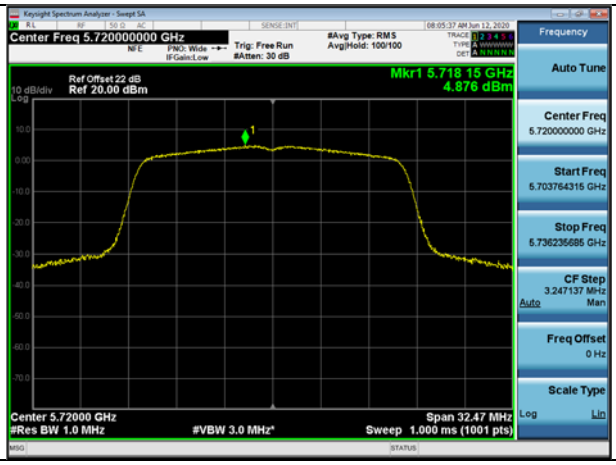
802.11ac(VHT40) UNII 3 Band

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
	

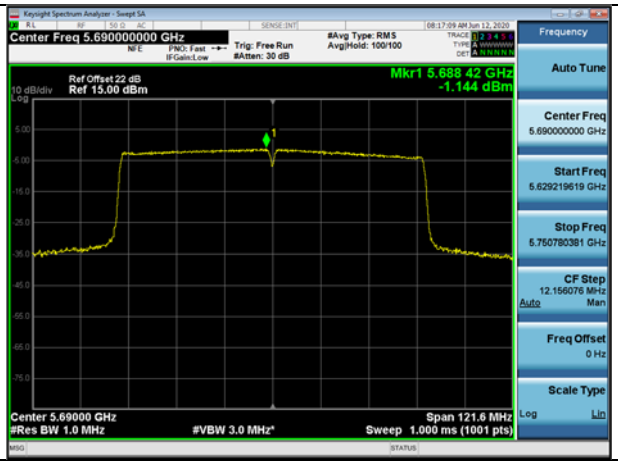
802.11n(HT40) UNII 2C Band

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

Frequency Range : Below 1 GHz

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

Note:

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

Frequency Range : Above 1 GHz

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

Frequency [MHz]	Reading [dBuV]	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	58.19	4.71	V	62.90	68.20	5.30	PK
15540	52.36	5.57	V	57.93	73.98	16.05	PK
15540	33.23	5.57	V	38.80	53.98	15.18	AV
10360	59.86	4.71	H	64.57	68.20	3.63	PK
15540	53.61	5.57	H	59.18	73.98	14.80	PK
15540	34.79	5.57	H	40.36	53.98	13.62	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]	Measurement Type
10400	58.29	4.43	V	62.72	68.20	5.48	PK
15600	52.88	4.77	V	57.65	73.98	16.33	PK
15600	34.17	4.77	V	38.94	53.98	15.04	AV
10400	59.84	4.43	H	64.27	68.20	3.93	PK
15600	53.98	4.77	H	58.75	73.98	15.23	PK
15600	35.51	4.77	H	40.28	53.98	13.70	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]	Measurement Type
10480	58.11	4.84	V	62.95	68.20	5.25	PK
15720	50.48	3.99	V	54.47	73.98	19.51	PK
15720	33.47	3.99	V	37.46	53.98	16.52	AV
10480	60.15	4.84	H	64.99	68.20	3.21	PK
15720	51.86	3.99	H	55.85	73.98	18.13	PK
15720	34.75	3.99	H	38.74	53.98	15.24	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]	Measurement Type
10360	58.12	4.71	V	62.83	68.20	5.37	PK
15540	50.33	5.57	V	55.90	73.98	18.08	PK
15540	34.43	5.57	V	40.00	53.98	13.98	AV
10360	59.04	4.71	H	63.75	68.20	4.45	PK
15540	51.98	5.57	H	57.55	73.98	16.43	PK
15540	34.56	5.57	H	40.13	53.98	13.85	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]	Measurement Type
10400	52.74	4.43	V	57.17	68.20	11.03	PK
15600	51.07	4.77	V	55.84	73.98	18.14	PK
15600	33.34	4.77	V	38.11	53.98	15.87	AV
10400	53.29	4.43	H	57.72	68.20	10.48	PK
15600	51.47	4.77	H	56.24	73.98	17.74	PK
15600	34.86	4.77	H	39.63	53.98	14.35	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]	Measurement Type
10480	57.33	4.84	V	62.17	68.20	6.03	PK
15720	50.85	3.99	V	54.84	73.98	19.14	PK
15720	33.84	3.99	V	37.83	53.98	16.15	AV
10480	58.24	4.84	H	63.08	68.20	5.12	PK
15720	51.52	3.99	H	55.51	73.98	18.47	PK
15720	34.78	3.99	H	38.77	53.98	15.21	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]	Measurement Type
10360	56.88	4.71	V	61.59	68.20	6.61	PK
15540	50.01	5.57	V	55.58	73.98	18.40	PK
15540	33.95	5.57	V	39.52	53.98	14.46	AV
10360	57.51	4.71	H	62.22	68.20	5.98	PK
15540	50.06	5.57	H	55.63	73.98	18.35	PK
15540	34.08	5.57	H	39.65	53.98	14.33	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]	Measurement Type
10400	58.11	4.43	V	62.54	68.20	5.66	PK
15600	52.47	4.77	V	57.24	73.98	16.74	PK
15600	34.36	4.77	V	39.13	53.98	14.85	AV
10400	58.72	4.43	H	63.15	68.20	5.05	PK
15600	53.42	4.77	H	58.19	73.98	15.79	PK
15600	35.12	4.77	H	39.89	53.98	14.09	AV

Band : UNII 1

Operation Mode: 802.11 ac(VHT20)

Transfer MCS Index: MCS0

Operating Frequency 5240 MHz

Channel No. 48 Ch

Frequency [MHz]	Reading [dBuV]	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	58.11	4.84	V	62.95	68.20	5.25	PK
15720	50.69	3.99	V	54.68	73.98	19.30	PK
15720	33.49	3.99	V	37.48	53.98	16.50	AV
10480	59.92	4.84	H	64.76	68.20	3.44	PK
15720	51.16	3.99	H	55.15	73.98	18.83	PK
15720	34.90	3.99	H	38.89	53.98	15.09	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]	Measurement Type
10380	60.11	4.71	V	64.82	68.20	3.38	PK
15570	51.87	4.94	V	56.81	73.98	17.17	PK
15570	37.23	4.94	V	42.17	53.98	11.81	AV
10380	60.29	4.71	H	65.00	68.20	3.20	PK
15570	52.38	4.94	H	57.32	73.98	16.66	PK
15570	38.53	4.94	H	43.47	53.98	10.51	AV

Band : UNII 1

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: MCS0

Operating Frequency 5230 MHz

Channel No. 46 Ch

Frequency [MHz]	Reading [dBuV]	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	55.47	4.89	V	60.36	68.20	7.84	PK
15690	48.93	4.13	V	53.06	73.98	20.92	PK
15690	34.69	4.13	V	38.82	53.98	15.16	AV
10460	56.82	4.89	H	61.71	68.20	6.49	PK
15690	49.90	4.13	H	54.03	73.98	19.95	PK
15690	35.80	4.13	H	39.93	53.98	14.05	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]	Measurement Type
10380	57.94	4.71	V	62.65	68.20	5.55	PK
15570	54.69	4.94	V	59.63	73.98	14.35	PK
15570	40.29	4.94	V	45.23	53.98	8.75	AV
10380	59.90	4.71	H	64.61	68.20	3.59	PK
15570	55.10	4.94	H	60.04	73.98	13.94	PK
15570	41.27	4.94	H	46.21	53.98	7.77	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]	Measurement Type
10460	57.60	4.89	V	62.49	68.20	5.71	PK
15690	50.69	4.13	V	54.82	73.98	19.16	PK
15690	36.75	4.13	V	40.88	53.98	13.10	AV
10460	58.42	4.89	H	63.31	68.20	4.89	PK
15690	51.87	4.13	H	56.00	73.98	17.98	PK
15690	37.43	4.13	H	41.56	53.98	12.42	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]	Measurement Type
10420	49.11	4.18	V	53.29	68.20	14.91	PK
15630	48.21	4.50	V	52.71	73.98	21.27	PK
15630	36.14	4.50	V	40.64	53.98	13.34	AV
10420	49.27	4.18	H	53.45	68.20	14.75	PK
15630	48.24	4.50	H	52.74	73.98	21.24	PK
15630	36.36	4.50	H	40.86	53.98	13.12	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]	Measurement Type
10520	59.17	4.58	V	63.75	68.20	4.45	PK
15780	49.81	4.55	V	54.36	73.98	19.62	PK
15780	33.12	4.55	V	37.67	53.98	16.31	AV
10520	60.49	4.58	H	65.07	68.20	3.13	PK
15780	50.01	4.55	H	54.56	73.98	19.42	PK
15780	33.93	4.55	H	38.48	53.98	15.50	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]	Measurement Type
10600	60.98	4.79	V	65.77	73.98	8.21	PK
10600	45.12	4.79	V	49.91	53.98	4.07	AV
15900	48.69	5.29	V	53.98	73.98	20.00	PK
15900	33.29	5.29	V	38.58	53.98	15.40	AV
10600	61.70	4.79	H	66.49	73.98	7.49	PK
10600	46.02	4.79	H	50.81	53.98	3.17	AV
15900	49.99	5.29	H	55.28	73.98	18.70	PK
15900	34.73	5.29	H	40.02	53.98	13.96	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]	Measurement Type
10640	60.07	4.82	V	64.89	73.98	9.09	PK
10640	45.36	4.82	V	50.18	53.98	3.80	AV
15960	51.07	4.71	V	55.78	73.98	18.20	PK
15960	34.26	4.71	V	38.97	53.98	15.01	AV
10640	59.80	4.82	H	64.62	73.98	9.36	PK
10640	45.40	4.82	H	50.22	53.98	3.76	AV
15960	51.50	4.71	H	56.21	73.98	17.77	PK
15960	35.54	4.71	H	40.25	53.98	13.73	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]	Measurement Type
10520	59.66	4.58	V	64.24	68.20	3.96	PK
15780	51.03	4.55	V	55.58	73.98	18.40	PK
15780	35.79	4.55	V	40.34	53.98	13.64	AV
10520	60.26	4.58	H	64.84	68.20	3.36	PK
15780	51.52	4.55	H	56.07	73.98	17.91	PK
15780	36.65	4.55	H	41.20	53.98	12.78	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]	Measurement Type
10600	60.33	4.79	V	65.12	73.98	8.86	PK
10600	45.17	4.79	V	49.96	53.98	4.02	AV
15900	49.03	5.29	V	54.32	73.98	19.66	PK
15900	33.79	5.29	V	39.08	53.98	14.90	AV
10600	61.21	4.79	H	66.00	73.98	7.98	PK
10600	46.06	4.79	H	50.85	53.98	3.13	AV
15900	50.11	5.29	H	55.40	73.98	18.58	PK
15900	34.85	5.29	H	40.14	53.98	13.84	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]	Measurement Type
10640	60.07	4.82	V	64.89	73.98	9.09	PK
10640	45.34	4.82	V	50.16	53.98	3.82	AV
15960	50.92	4.71	V	55.63	73.98	18.35	PK
15960	35.11	4.71	V	39.82	53.98	14.16	AV
10640	60.44	4.82	H	65.26	73.98	8.72	PK
10640	46.13	4.82	H	50.95	53.98	3.03	AV
15960	51.10	4.71	H	55.81	73.98	18.17	PK
15960	36.05	4.71	H	40.76	53.98	13.22	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]	Measurement Type
10520	59.11	4.58	V	63.69	68.20	4.51	PK
15780	52.14	4.55	V	56.69	73.98	17.29	PK
15780	34.28	4.55	V	38.83	53.98	15.15	AV
10520	60.32	4.58	H	64.90	68.20	3.30	PK
15780	52.58	4.55	H	57.13	73.98	16.85	PK
15780	35.18	4.55	H	39.73	53.98	14.25	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]	Measurement Type
10600	60.07	4.79	V	64.86	73.98	9.12	PK
10600	44.21	4.79	V	49.00	53.98	4.98	AV
15900	49.83	5.29	V	55.12	73.98	18.86	PK
15900	33.67	5.29	V	38.96	53.98	15.02	AV
10600	61.33	4.79	H	66.12	73.98	7.86	PK
10600	46.08	4.79	H	50.87	53.98	3.11	AV
15900	50.39	5.29	H	55.68	73.98	18.30	PK
15900	34.71	5.29	H	40.00	53.98	13.98	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]	Measurement Type
10640	60.01	4.82	V	64.83	73.98	9.15	PK
10640	45.34	4.82	V	50.16	53.98	3.82	AV
15960	48.91	4.71	V	53.62	73.98	20.36	PK
15960	34.28	4.71	V	38.99	53.98	14.99	AV
10640	60.62	4.82	H	65.44	73.98	8.54	PK
10640	46.10	4.82	H	50.92	53.98	3.06	AV
15960	49.74	4.71	H	54.45	73.98	19.53	PK
15960	35.55	4.71	H	40.26	53.98	13.72	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]	Measurement Type
10540	57.69	4.68	V	62.37	68.20	5.83	PK
15810	50.76	5.20	V	55.96	73.98	18.02	PK
15810	36.43	5.20	V	41.63	53.98	12.35	AV
10540	58.56	4.68	H	63.24	68.20	4.96	PK
15810	51.42	5.20	H	56.62	73.98	17.36	PK
15810	37.03	5.20	H	42.23	53.98	11.75	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]	Measurement Type
10620	57.87	5.37	V	63.24	73.98	10.74	PK
10620	44.01	5.37	V	49.38	53.98	4.60	AV
15930	48.20	4.96	V	53.16	73.98	20.82	PK
15930	34.17	4.96	V	39.13	53.98	14.85	AV
10620	58.13	5.37	H	63.50	73.98	10.48	PK
10620	44.47	5.37	H	49.84	53.98	4.14	AV
15930	48.25	4.96	H	53.21	73.98	20.77	PK
15930	35.08	4.96	H	40.04	53.98	13.94	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]	Measurement Type
10540	57.66	4.68	V	62.34	68.20	5.86	PK
15810	50.79	5.20	V	55.99	73.98	17.99	PK
15810	36.11	5.20	V	41.31	53.98	12.67	AV
10540	58.17	4.68	H	62.85	68.20	5.35	PK
15810	51.04	5.20	H	56.24	73.98	17.74	PK
15810	36.41	5.20	H	41.61	53.98	12.37	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]	Measurement Type
10620	56.17	5.37	V	61.54	73.98	12.44	PK
10620	43.21	5.37	V	48.58	53.98	5.40	AV
15930	48.54	4.96	V	53.50	73.98	20.48	PK
15930	34.91	4.96	V	39.87	53.98	14.11	AV
10620	56.68	5.37	H	62.05	73.98	11.93	PK
10620	43.36	5.37	H	48.73	53.98	5.25	AV
15930	48.58	4.96	H	53.54	73.98	20.44	PK
15930	35.00	4.96	H	39.96	53.98	14.02	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]	Measurement Type
10580	48.47	4.56	V	53.03	68.20	15.17	PK
15870	46.22	5.89	V	52.11	73.98	21.87	PK
15870	35.21	5.89	V	41.10	53.98	12.88	AV
10580	48.61	4.56	H	53.17	68.20	15.03	PK
15870	46.82	5.89	H	52.71	73.98	21.27	PK
15870	35.29	5.89	H	41.18	53.98	12.80	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]	Measurement Type
11000	58.33	4.61	V	62.94	73.98	11.04	PK
11000	43.01	4.61	V	47.62	53.98	6.36	AV
16500	49.42	7.08	V	56.50	68.20	11.70	PK
11000	60.41	4.61	H	65.02	73.98	8.96	PK
11000	46.31	4.61	H	50.92	53.98	3.06	AV
16500	48.93	7.08	H	56.01	68.20	12.19	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]	Measurement Type
11160	54.99	4.37	V	59.36	73.98	14.62	PK
11160	40.13	4.37	V	44.50	53.98	9.48	AV
16740	46.13	8.84	V	54.97	68.20	13.23	PK
11160	55.94	4.37	H	60.31	73.98	13.67	PK
11160	41.18	4.37	H	45.55	53.98	8.43	AV
16740	45.89	8.84	H	54.73	68.20	13.47	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]	Measurement Type
11440	53.11	4.60	V	57.71	73.98	16.27	PK
11440	39.07	4.60	V	43.67	53.98	10.31	AV
17160	48.06	9.39	V	57.45	68.20	10.75	PK
11440	52.21	4.60	H	56.81	73.98	17.17	PK
11440	38.65	4.60	H	43.25	53.98	10.73	AV
17160	47.99	9.39	H	57.38	68.20	10.82	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]	Measurement Type
11000	57.04	4.61	V	61.65	73.98	12.33	PK
11000	43.58	4.61	V	48.19	53.98	5.79	AV
16500	47.12	7.08	V	54.20	68.20	14.00	PK
11000	58.52	4.61	H	63.13	73.98	10.85	PK
11000	44.39	4.61	H	49.00	53.98	4.98	AV
16500	46.63	7.08	H	53.71	68.20	14.49	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]	Measurement Type
11160	55.01	4.37	V	59.38	73.98	14.60	PK
11160	40.94	4.37	V	45.31	53.98	8.67	AV
16740	46.58	8.84	V	55.42	68.20	12.78	PK
11160	55.67	4.37	H	60.04	73.98	13.94	PK
11160	41.32	4.37	H	45.69	53.98	8.29	AV
16740	46.22	8.84	H	55.06	68.20	13.14	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]	Measurement Type
11440	52.47	4.60	V	57.07	73.98	16.91	PK
11440	38..4	4.60	V	4.60	53.98	49.38	AV
17160	47.97	9.39	V	57.36	68.20	10.84	PK
11440	52.74	4.60	H	57.34	73.98	16.64	PK
11440	38.70	4.60	H	43.30	53.98	10.68	AV
17160	47.64	9.39	H	57.03	68.20	11.17	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]	Measurement Type
11000	60.04	4.61	V	64.65	73.98	9.33	PK
11000	45.38	4.61	V	49.99	53.98	3.99	AV
16500	46.11	7.08	V	53.19	68.20	15.01	PK
11000	60.91	4.61	H	65.52	73.98	8.46	PK
11000	46.24	4.61	H	50.85	53.98	3.13	AV
16500	45.98	7.08	H	53.06	68.20	15.14	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]	Measurement Type
11160	56.84	4.37	V	61.21	73.98	12.77	PK
11160	41.22	4.37	V	45.59	53.98	8.39	AV
16740	45.94	8.84	V	54.78	68.20	13.42	PK
11160	57.31	4.37	H	61.68	73.98	12.30	PK
11160	42.32	4.37	H	46.69	53.98	7.29	AV
16740	45.14	8.84	H	53.98	68.20	14.22	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]	Measurement Type
11440	53.08	4.60	V	57.68	73.98	16.30	PK
11440	38.96	4.60	V	43.56	53.98	10.42	AV
17160	46.78	9.39	V	56.17	68.20	12.03	PK
11440	55.36	4.60	H	59.96	73.98	14.02	PK
11440	40.63	4.60	H	45.23	53.98	8.75	AV
17160	46.20	9.39	H	55.59	68.20	12.61	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]	Measurement Type
11020	51.20	4.84	V	56.04	73.98	17.94	PK
11020	38.12	4.84	V	42.96	53.98	11.02	AV
16530	46.52	7.31	V	53.83	68.20	14.37	PK
11020	52.49	4.84	H	57.33	73.98	16.65	PK
11020	38.23	4.84	H	43.07	53.98	10.91	AV
16530	46.33	7.31	H	53.64	68.20	14.56	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]	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	52.47	4.80	V	57.27	73.98	16.71	PK
11100	39.14	4.80	V	43.94	53.98	10.04	AV
16650	47.34	8.45	V	55.79	68.20	12.41	PK
11100	53.59	4.80	H	58.39	73.98	15.59	PK
11100	40.28	4.80	H	45.08	53.98	8.90	AV
16650	47.11	8.45	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]	Measurement Type
11420	48.73	4.88	V	53.61	73.98	20.37	PK
11420	38.46	4.88	V	43.34	53.98	10.64	AV
17130	46.92	9.05	V	55.97	68.20	12.23	PK
11420	49.74	4.88	H	54.62	73.98	19.36	PK
11420	36.92	4.88	H	41.80	53.98	12.18	AV
17130	46.88	9.05	H	55.93	68.20	12.27	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]	Measurement Type
11020	51.69	4.84	V	56.53	73.98	17.45	PK
11020	37.65	4.84	V	42.49	53.98	11.49	AV
16530	46.39	7.31	V	53.70	68.20	14.50	PK
11020	52.20	4.84	H	57.04	73.98	16.94	PK
11020	38.25	4.84	H	43.09	53.98	10.89	AV
16530	46.14	7.31	H	53.45	68.20	14.75	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]	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	54.35	4.80	V	59.15	73.98	14.83	PK
11100	40.73	4.80	V	45.53	53.98	8.45	AV
16650	46.89	8.45	V	55.34	68.20	12.86	PK
11100	55.75	4.80	H	60.55	73.98	13.43	PK
11100	41.55	4.80	H	46.35	53.98	7.63	AV
16650	47.55	8.45	H	56.00	68.20	12.20	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]	Measurement Type
11420	48.44	4.88	V	53.32	73.98	20.66	PK
11420	37.98	4.88	V	42.86	53.98	11.12	AV
17130	46.67	9.05	V	55.72	68.20	12.48	PK
11420	50.21	4.88	H	55.09	73.98	18.89	PK
11420	36.81	4.88	H	41.69	53.98	12.29	AV
17130	46.58	9.05	H	55.63	68.20	12.57	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]	Measurement Type
11060	49.11	5.10	V	54.21	73.98	19.77	PK
11060	38.22	5.10	V	43.32	53.98	10.66	AV
16590	47.29	7.84	V	55.13	68.20	13.07	PK
11060	49.71	5.10	H	54.81	73.98	19.17	PK
11060	38.24	5.10	H	43.34	53.98	10.64	AV
16590	47.15	7.84	H	54.99	68.20	13.21	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]	Measurement Type
11380	50.14	4.70	V	54.84	73.98	19.14	PK
11380	38.96	4.70	V	43.66	53.98	10.32	AV
17070	46.32	9.53	V	55.85	68.20	12.35	PK
11380	50.98	4.70	H	55.68	73.98	18.30	PK
11380	39.82	4.70	H	44.52	53.98	9.46	AV
17070	46.21	9.53	H	55.74	68.20	12.46	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]	Measurement Type
11490	55.79	4.40	V	60.19	73.98	13.79	PK
11490	42.22	4.40	V	46.62	53.98	7.36	AV
17235	48.11	10.06	V	58.17	68.20	10.03	PK
11490	56.41	4.40	H	60.81	73.98	13.17	PK
11490	42.43	4.40	H	46.83	53.98	7.15	AV
17235	47.91	10.06	H	57.97	68.20	10.23	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]	Measurement Type
11570	54.19	5.13	V	59.32	73.98	14.66	PK
11570	40.39	5.13	V	45.52	53.98	8.46	AV
17355	47.49	10.65	V	58.14	68.20	10.06	PK
11570	55.81	5.13	H	60.94	73.98	13.04	PK
11570	41.50	5.13	H	46.63	53.98	7.35	AV
17355	47.38	10.65	H	58.03	68.20	10.17	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]	Measurement Type
11650	52.15	4.40	V	56.55	73.98	17.43	PK
11650	38.69	4.40	V	43.09	53.98	10.89	AV
17475	47.43	10.73	V	58.16	68.20	10.04	PK
11650	54.95	4.40	H	59.35	73.98	14.63	PK
11650	41.94	4.40	H	46.34	53.98	7.64	AV
17475	47.36	10.73	H	58.09	68.20	10.11	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]	Measurement Type
11490	54.36	4.40	V	58.76	73.98	15.22	PK
11490	39.84	4.40	V	44.24	53.98	9.74	AV
17235	47.42	10.06	V	57.48	68.20	10.72	PK
11490	55.30	4.40	H	59.70	73.98	14.28	PK
11490	40.54	4.40	H	44.94	53.98	9.04	AV
17235	47.22	10.06	H	57.28	68.20	10.92	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]	Measurement Type
11570	53.47	5.13	V	58.60	73.98	15.38	PK
11570	38.43	5.13	V	43.56	53.98	10.42	AV
17355	47.77	10.65	V	58.42	68.20	9.78	PK
11570	54.12	5.13	H	59.25	73.98	14.73	PK
11570	39.46	5.13	H	44.59	53.98	9.39	AV
17355	47.09	10.65	H	57.74	68.20	10.46	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]	Measurement Type
11650	52.14	4.40	V	56.54	73.98	17.44	PK
11650	38.99	4.40	V	43.39	53.98	10.59	AV
17475	47.96	10.73	V	58.69	68.20	9.51	PK
11650	52.97	4.40	H	57.37	73.98	16.61	PK
11650	39.74	4.40	H	44.14	53.98	9.84	AV
17475	47.66	10.73	H	58.39	68.20	9.81	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]	Measurement Type
11490	57.36	4.40	V	61.76	73.98	12.22	PK
11490	42.21	4.40	V	46.61	53.98	7.37	AV
17235	47.22	10.06	V	57.28	68.20	10.92	PK
11490	58.34	4.40	H	62.74	73.98	11.24	PK
11490	43.60	4.40	H	48.00	53.98	5.98	AV
17235	47.07	10.06	H	57.13	68.20	11.07	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]	Measurement Type
11570	53.82	5.13	V	58.95	73.98	15.03	PK
11570	39.10	5.13	V	44.23	53.98	9.75	AV
17355	47.23	10.65	V	57.88	68.20	10.32	PK
11570	54.95	5.13	H	60.08	73.98	13.90	PK
11570	40.64	5.13	H	45.77	53.98	8.21	AV
17355	47.00	10.65	H	57.65	68.20	10.55	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]	Measurement Type
11650	55.47	4.40	V	59.87	73.98	14.11	PK
11650	40.21	4.40	V	44.61	53.98	9.37	AV
17475	48.12	10.73	V	58.85	68.20	9.35	PK
11650	56.15	4.40	H	60.55	73.98	13.43	PK
11650	41.50	4.40	H	45.90	53.98	8.08	AV
17475	47.20	10.73	H	57.93	68.20	10.27	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]	Measurement Type
11510	51.69	4.41	V	56.10	73.98	17.88	PK
11510	38.66	4.41	V	43.07	53.98	10.91	AV
17265	46.99	10.08	V	57.07	68.20	11.13	PK
11510	52.11	4.41	H	56.52	73.98	17.46	PK
11510	39.25	4.41	H	43.66	53.98	10.32	AV
17265	45.39	10.08	H	55.47	68.20	12.73	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]	Measurement Type
11590	51.22	4.75	V	55.97	73.98	18.01	PK
11590	38.26	4.75	V	43.01	53.98	10.97	AV
17385	47.43	10.52	V	57.95	68.20	10.25	PK
11590	52.34	4.75	H	57.09	73.98	16.89	PK
11590	39.80	4.75	H	44.55	53.98	9.43	AV
17385	47.28	10.52	H	57.80	68.20	10.40	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]	Measurement Type
11510	52.75	4.41	V	57.16	73.98	16.82	PK
11510	39.87	4.41	V	44.28	53.98	9.70	AV
17265	46.90	10.08	V	56.98	68.20	11.22	PK
11510	53.30	4.41	H	57.71	73.98	16.27	PK
11510	40.48	4.41	H	44.89	53.98	9.09	AV
17265	46.17	10.08	H	56.25	68.20	11.95	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]	Measurement Type
11590	52.47	4.75	V	57.22	73.98	16.76	PK
11590	40.83	4.75	V	45.58	53.98	8.40	AV
17385	47.73	10.52	V	58.25	68.20	9.95	PK
11590	53.84	4.75	H	58.59	73.98	15.39	PK
11590	41.04	4.75	H	45.79	53.98	8.19	AV
17385	46.93	10.52	H	57.45	68.20	10.75	PK

Band : UNII 3

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

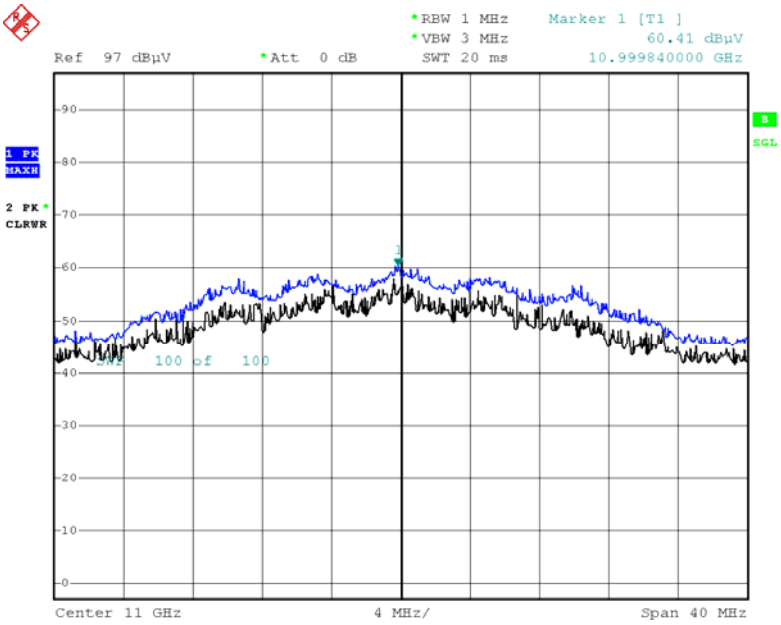
Operating Frequency 5775 MHz

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]	Measurement Type
11550	53.47	4.89	V	58.36	73.98	15.62	PK
11550	42.55	4.89	V	47.44	53.98	6.54	AV
17325	47.09	10.86	V	57.95	68.20	10.25	PK
11550	54.34	4.89	H	59.23	73.98	14.75	PK
11550	43.17	4.89	H	48.06	53.98	5.92	AV
17325	46.83	10.86	H	57.69	68.20	10.51	PK

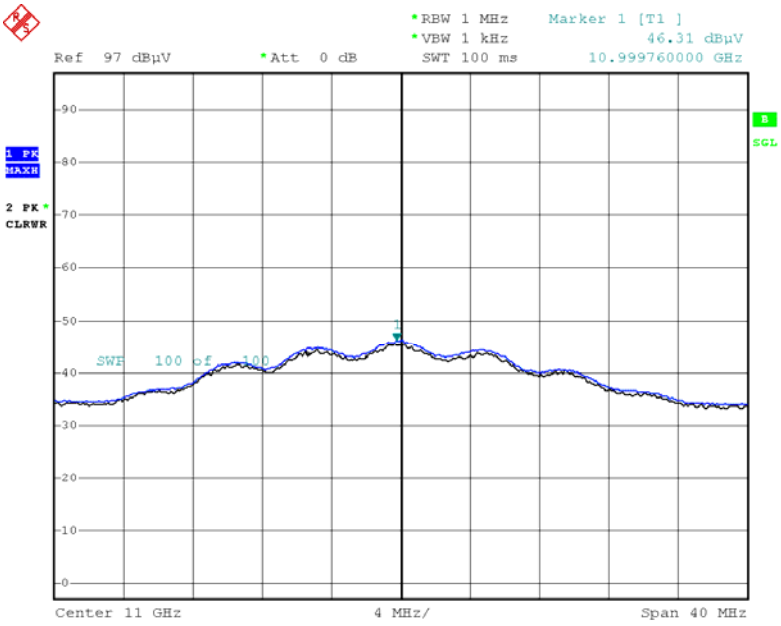
▣ Test Plots

Peak Reading (802.11a, Ch.100 2nd Harmonic, Y-H)



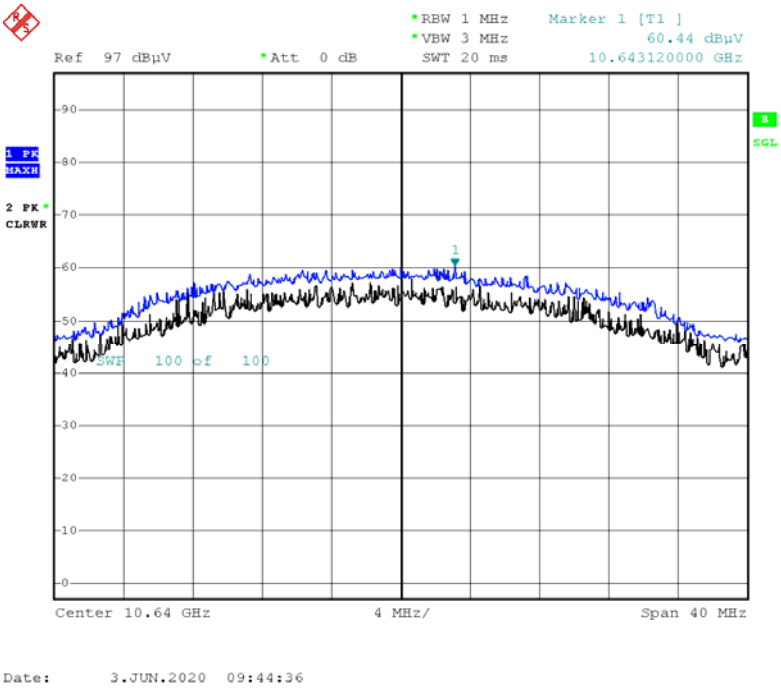
Date: 4.JUN.2020 04:19:10

Average Reading (802.11a, Ch.100 2nd Harmonic, Y-H)

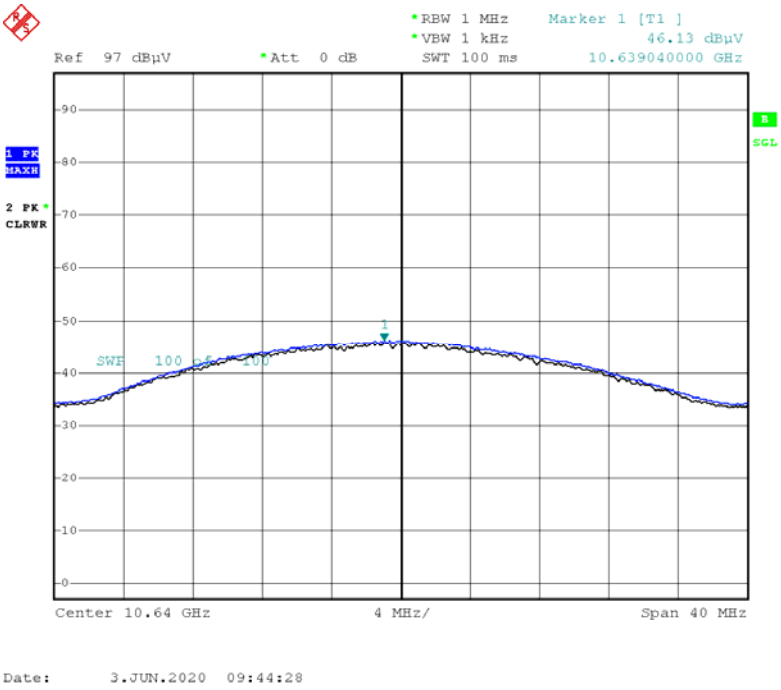


Date: 4.JUN.2020 04:19:01

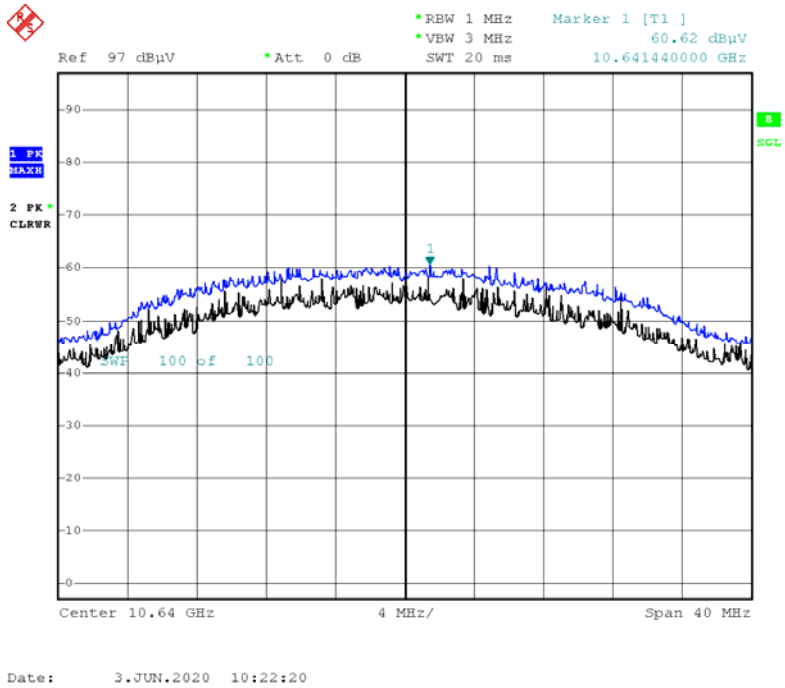
Peak Reading (802.11n(HT20), Ch.64 2nd Harmonic, Y-H)



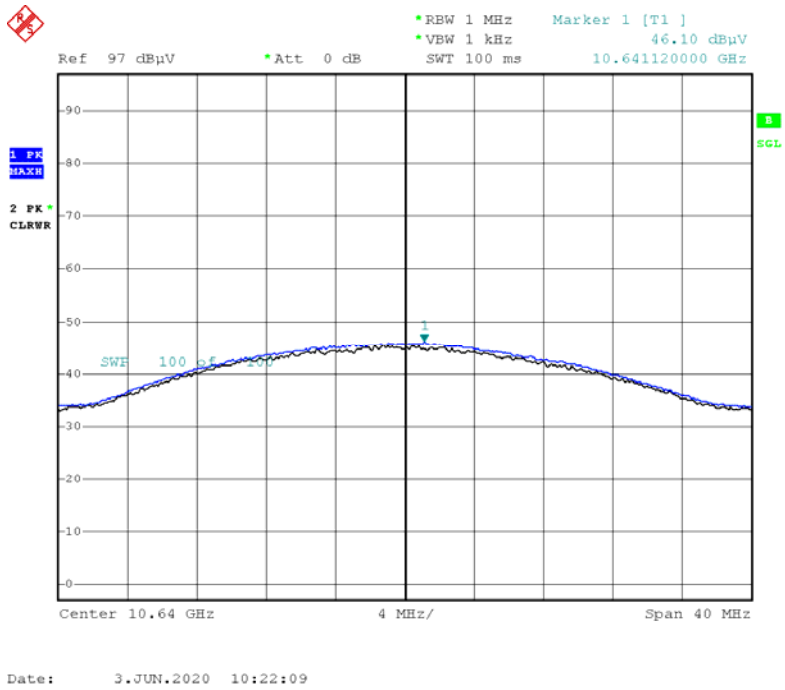
Average Reading (802.11n(HT20), Ch.64 2nd Harmonic, Y-H)



Peak Reading (802.11ac(VHT20), Ch.64 2nd Harmonic, X-H)



Average Reading (802.11ac(VHT20), Ch.64 2nd Harmonic, X-H)



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]	Measurement Type
5150	45.01	11.88	H	56.89	73.98	17.09	PK
5150	32.63	11.88	H	44.51	53.98	9.47	AV
5150	45.24	11.88	V	57.12	73.98	16.86	PK
5150	32.09	11.88	V	43.97	53.98	10.01	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]	Measurement Type
5150	45.24	11.88	H	57.12	73.98	16.86	PK
5150	33.07	11.88	H	44.95	53.98	9.03	AV
5150	45.72	11.88	V	57.60	73.98	16.38	PK
5150	32.15	11.88	V	44.03	53.98	9.95	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]	Measurement Type
5150	46.10	11.88	H	57.98	73.98	16.00	PK
5150	33.20	11.88	H	45.08	53.98	8.90	AV
5150	43.97	11.88	V	55.85	73.98	18.13	PK
5150	30.89	11.88	V	42.77	53.98	11.21	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]	Measurement Type
5150	54.46	11.88	H	66.34	73.98	7.64	PK
5150	38.60	11.88	H	50.48	53.98	3.50	AV
5150	54.58	11.88	V	66.46	73.98	7.52	PK
5150	39.04	11.88	V	50.92	53.98	3.06	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]	Measurement Type
5150	57.48	11.88	H	69.36	73.98	4.62	PK
5150	38.04	11.88	H	49.92	53.98	4.06	AV
5150	54.84	11.88	V	66.72	73.98	7.26	PK
5150	38.39	11.88	V	50.27	53.98	3.71	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]	Measurement Type
5150	52.36	11.88	H	64.24	73.98	9.74	PK
5150	38.34	11.88	H	50.22	53.98	3.76	AV
5150	50.11	11.88	V	61.99	73.98	11.99	PK
5150	35.39	11.88	V	47.27	53.98	6.71	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]	Measurement Type
5350	58.66	12.17	H	70.83	73.98	3.15	PK
5350	37.72	12.17	H	49.89	53.98	4.09	AV
5350	57.23	12.17	V	69.40	73.98	4.58	PK
5350	36.96	12.17	V	49.13	53.98	4.85	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]	Measurement Type
5350	58.65	12.17	H	70.82	73.98	3.16	PK
5350	38.55	12.17	H	50.72	53.98	3.26	AV
5350	56.33	12.17	V	68.50	73.98	5.48	PK
5350	37.25	12.17	V	49.42	53.98	4.56	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]	Measurement Type
5350	57.17	12.17	H	69.34	73.98	4.64	PK
5350	38.08	12.17	H	50.25	53.98	3.73	AV
5350	56.11	12.17	V	68.28	73.98	5.70	PK
5350	37.20	12.17	V	49.37	53.98	4.61	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]	Measurement Type
5350	55.94	12.17	H	68.11	73.98	5.87	PK
5350	37.36	12.17	H	49.53	53.98	4.45	AV
5350	53.47	12.17	V	65.64	73.98	8.34	PK
5350	35.66	12.17	V	47.83	53.98	6.15	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]	Measurement Type
5350	58.17	12.17	H	70.34	73.98	3.64	PK
5350	38.81	12.17	H	50.98	53.98	3.00	AV
5350	56.90	12.17	V	69.07	73.98	4.91	PK
5350	38.28	12.17	V	50.45	53.98	3.53	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]	Measurement Type
5350	55.24	12.17	H	67.41	73.98	6.57	PK
5350	38.65	12.17	H	50.82	53.98	3.16	AV
5350	52.69	12.17	V	64.86	73.98	9.12	PK
5350	35.78	12.17	V	47.95	53.98	6.03	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]	Measurement Type
5460	43.72	12.57	H	56.29	73.98	17.69	PK
5460	30.64	12.57	H	43.21	53.98	10.77	AV
5470	51.63	12.75	H	64.38	68.20	3.82	PK
5460	42.88	12.57	V	55.45	73.98	18.53	PK
5460	30.45	12.57	V	43.02	53.98	10.96	AV
5470	50.36	12.75	V	63.11	68.20	5.09	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]	Measurement Type
5460	46.86	12.57	H	59.43	73.98	14.55	PK
5460	32.85	12.57	H	45.42	53.98	8.56	AV
5470	49.92	12.75	H	62.67	68.20	5.53	PK
5460	46.28	12.57	V	58.85	73.98	15.13	PK
5460	31.23	12.57	V	43.80	53.98	10.18	AV
5470	48.66	12.75	V	61.41	68.20	6.79	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]	Measurement Type
5460	45.66	12.57	H	58.23	73.98	15.75	PK
5460	31.71	12.57	H	44.28	53.98	9.70	AV
5470	48.29	12.75	H	61.04	68.20	7.16	PK
5460	44.96	12.57	V	57.53	73.98	16.45	PK
5460	30.87	12.57	V	43.44	53.98	10.54	AV
5470	48.21	12.75	V	60.96	68.20	7.24	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]	Measurement Type
5460	46.83	12.57	H	59.40	73.98	14.58	PK
5460	33.59	12.57	H	46.16	53.98	7.82	AV
5470	51.65	12.75	H	64.40	68.20	3.80	PK
5460	45.99	12.57	V	58.56	73.98	15.42	PK
5460	32.11	12.57	V	44.68	53.98	9.30	AV
5470	50.22	12.75	V	62.97	68.20	5.23	PK

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

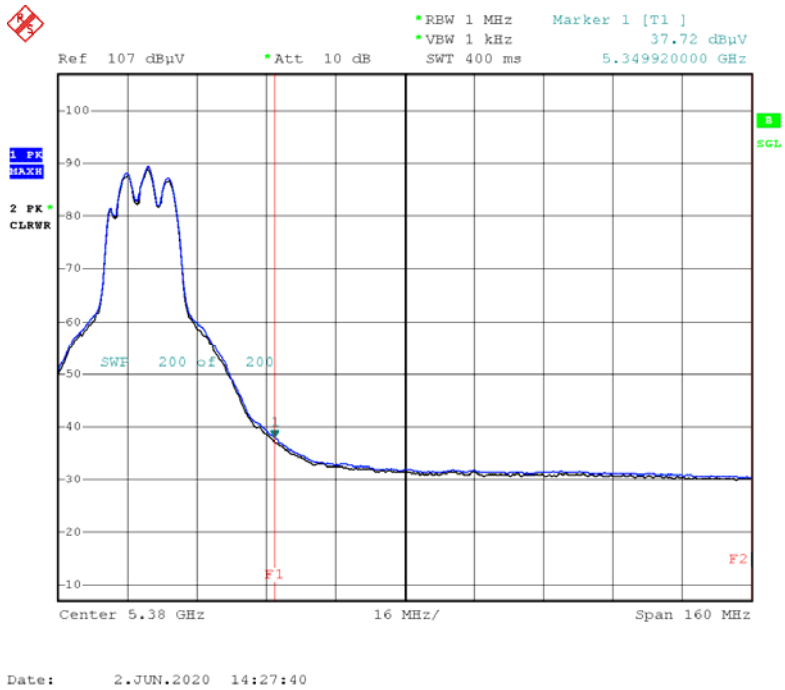
Frequency [MHz]	Reading DBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	49.15	12.57	H	61.72	73.98	12.26	PK
5460	35.93	12.57	H	48.50	53.98	5.48	AV
5470	51.88	12.75	H	64.63	68.20	3.57	PK
5460	45.95	12.57	V	58.52	73.98	15.46	PK
5460	32.13	12.57	V	44.70	53.98	9.28	AV
5470	50.65	12.75	V	63.40	68.20	4.80	PK

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

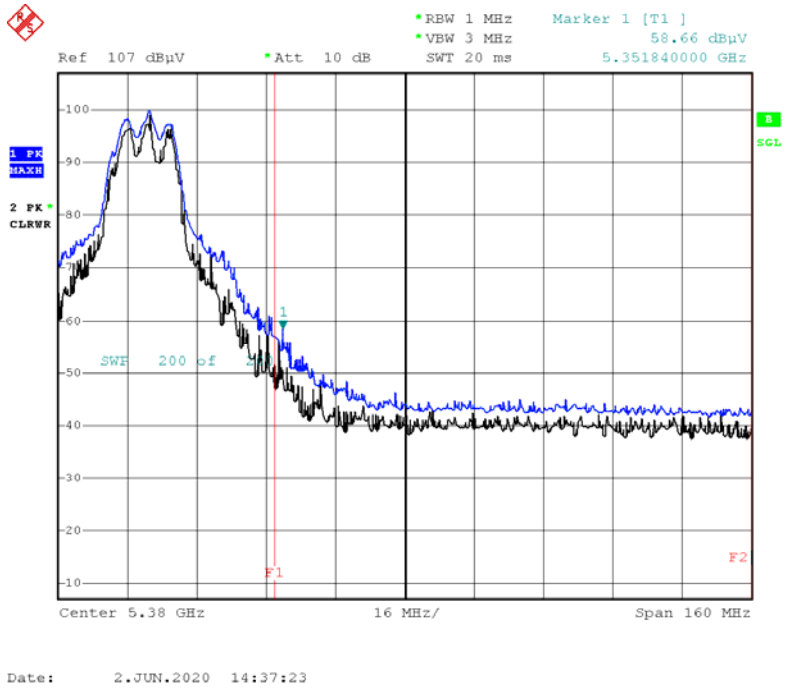
Frequency [MHz]	Reading DBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	51.84	12.57	H	64.41	73.98	9.57	PK
5460	37.76	12.57	H	50.33	53.98	3.65	AV
5470	49.35	12.75	H	62.10	68.20	6.10	PK
5460	49.69	12.57	V	62.26	73.98	11.72	PK
5460	34.96	12.57	V	47.53	53.98	6.45	AV
5470	49.25	12.75	V	62.00	68.20	6.20	PK

▣ Test Plots(UNII 1, 2A, 2C)_(X-H)

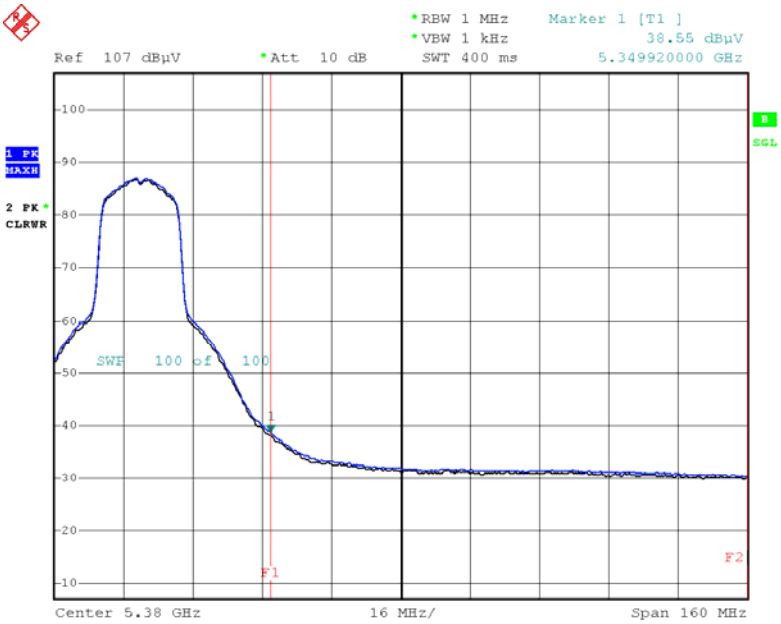
Average Reading (802.11a, Ch.64)



Peak Reading (802.11a, Ch.64)

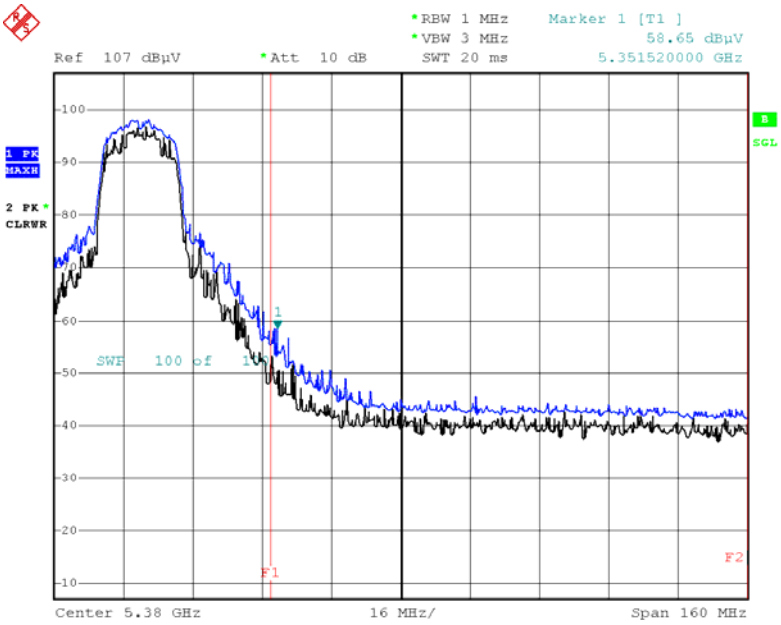


Average Reading (802.11n(HT20), Ch.64)



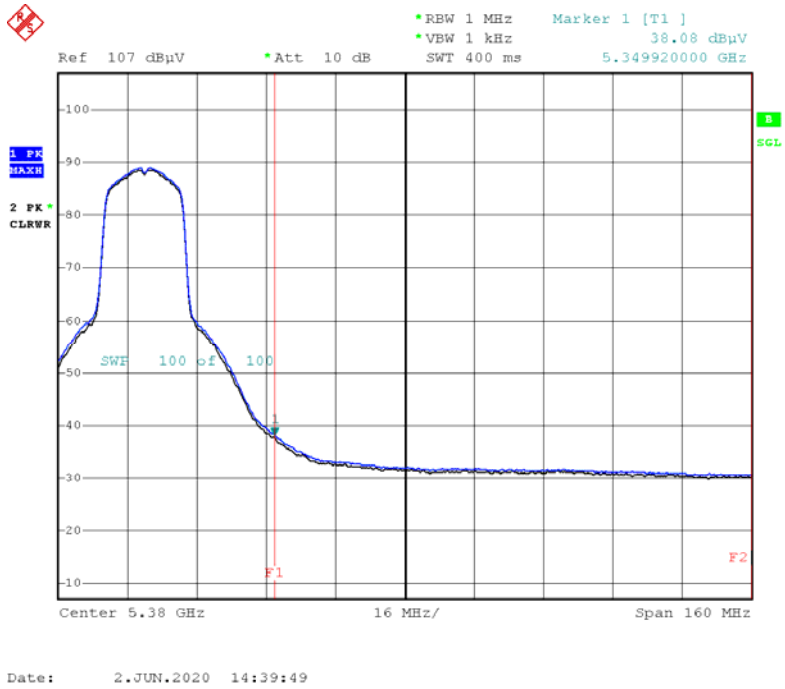
Date: 2.JUN.2020 14:34:36

Peak Reading (802.11n(HT20), Ch.64)

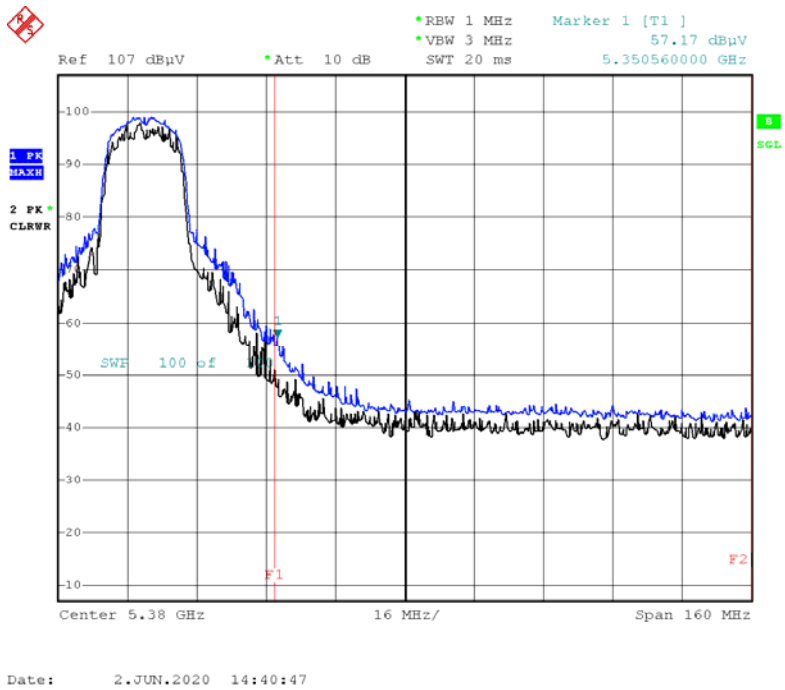


Date: 2.JUN.2020 14:35:28

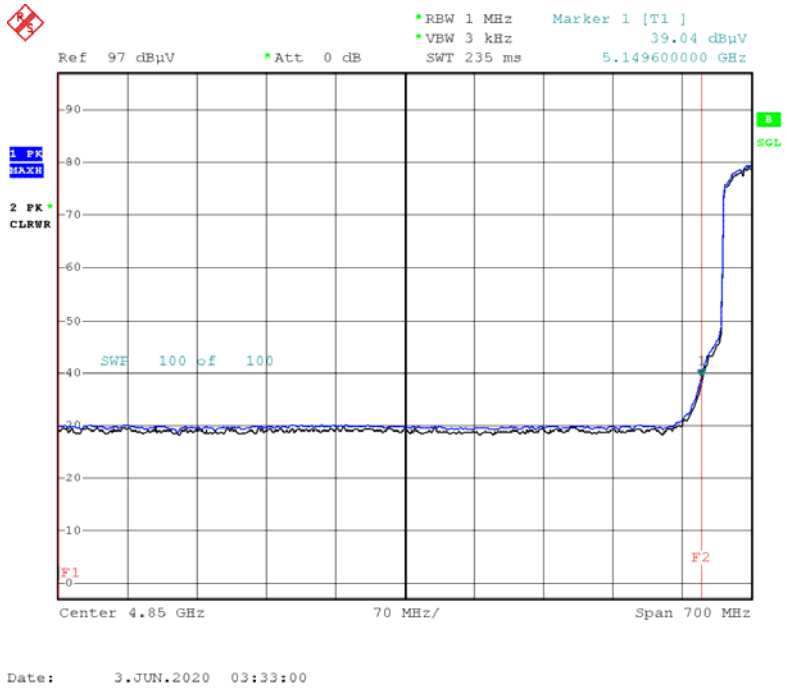
Average Reading (802.11ac(VHT20), Ch.64)



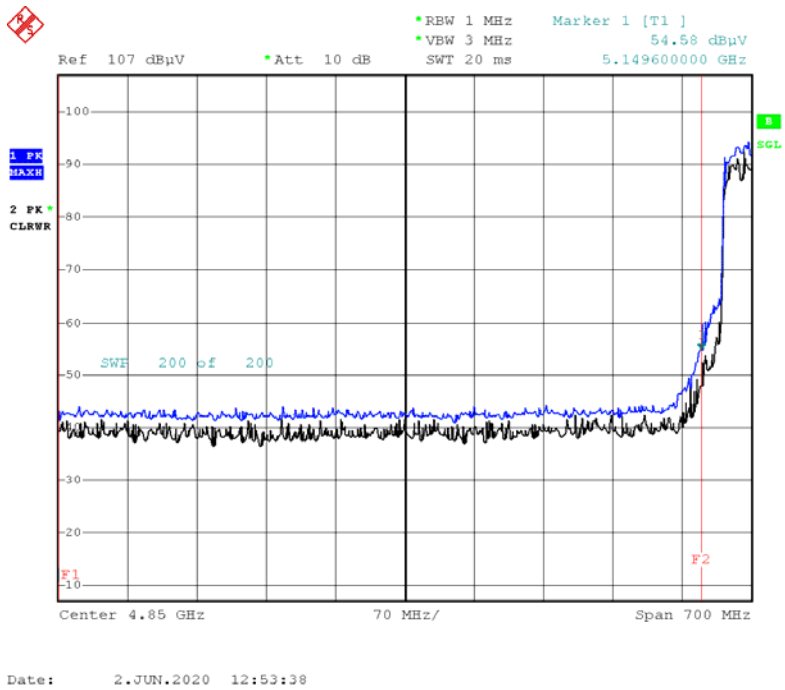
Peak Reading (802.11ac(VHT20), Ch.64)



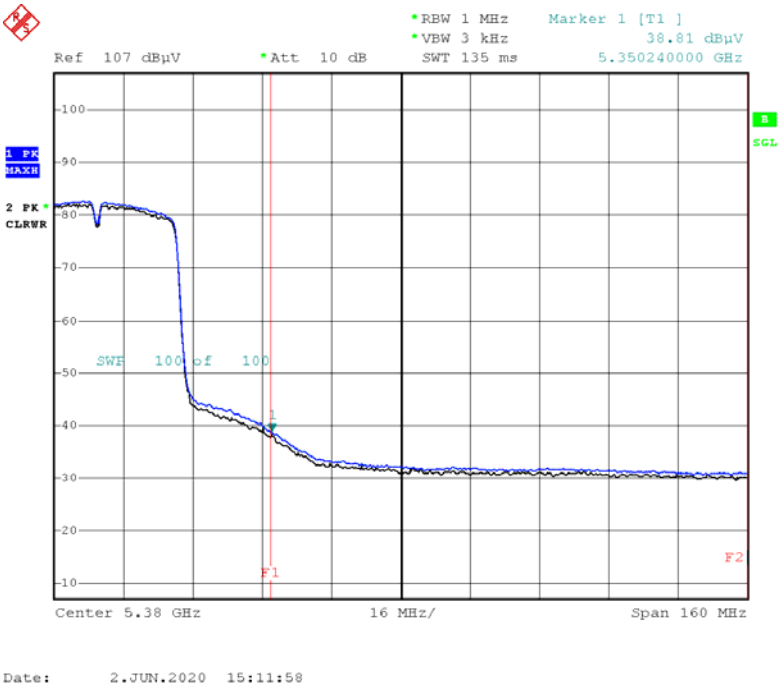
Average Reading (802.11n(HT40), Ch.38)



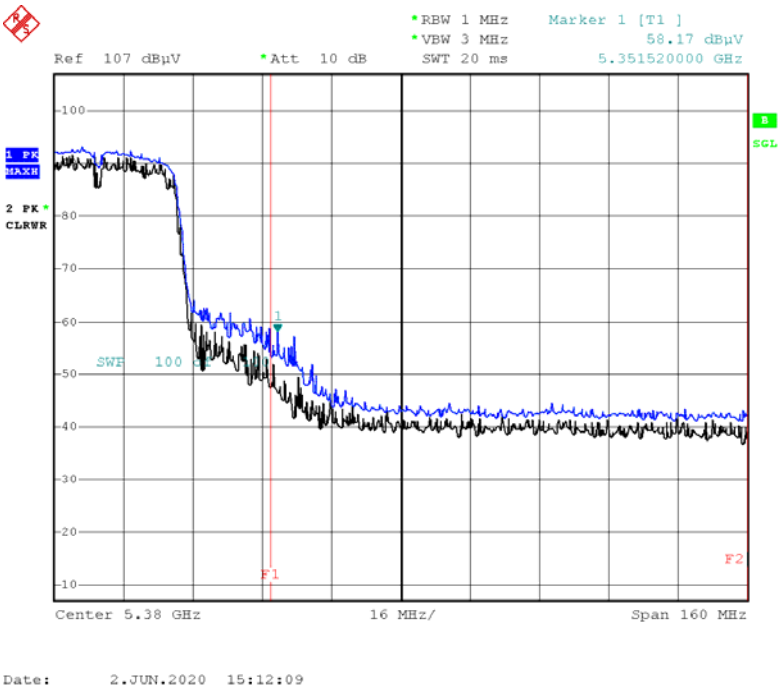
Peak Reading (802.11n(HT40), Ch.38)



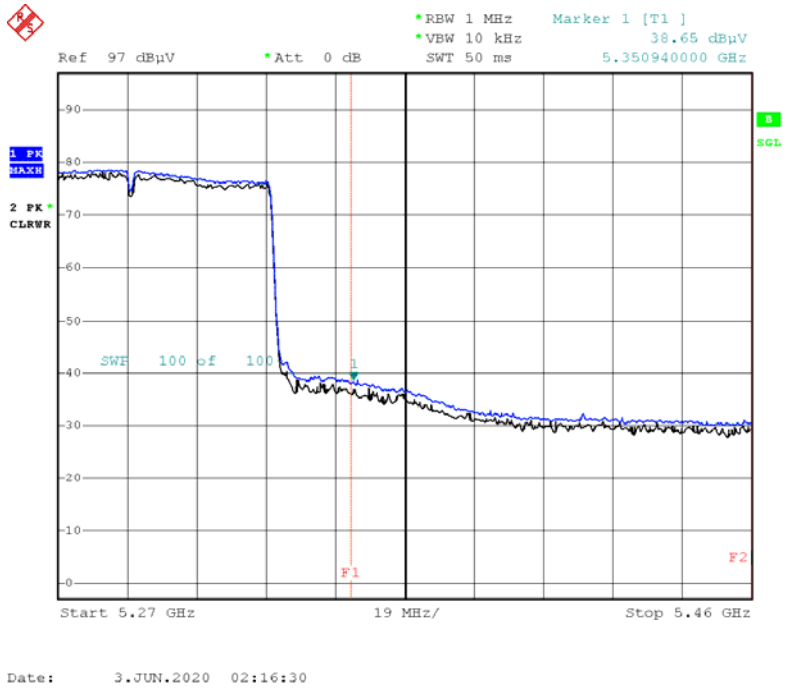
Average Reading (802.11ac(VHT40), Ch.62)



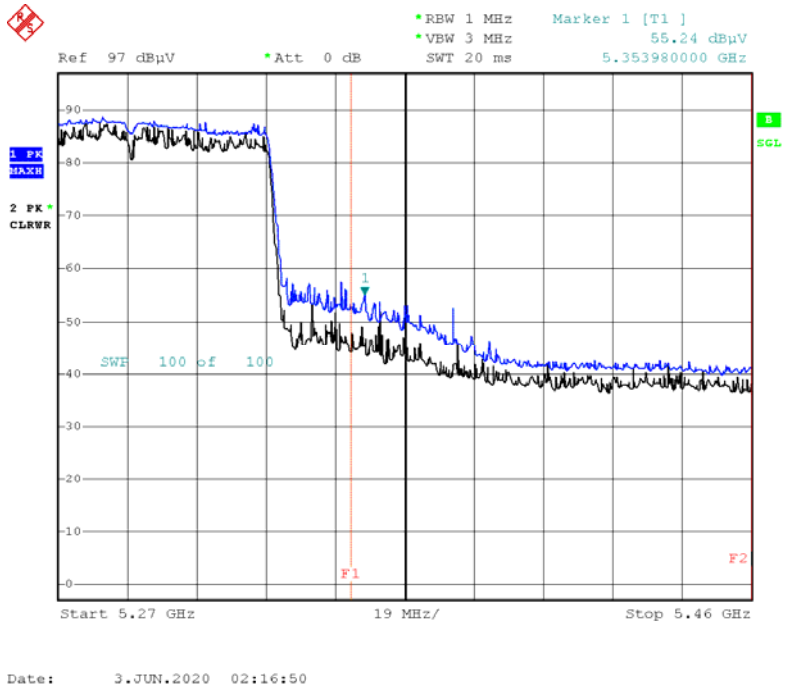
Peak Reading (802.11ac(VHT40), Ch.62)



Average Reading (802.11ac(VHT80), Ch.58)



Peak Reading (802.11ac(VHT80), Ch.58)

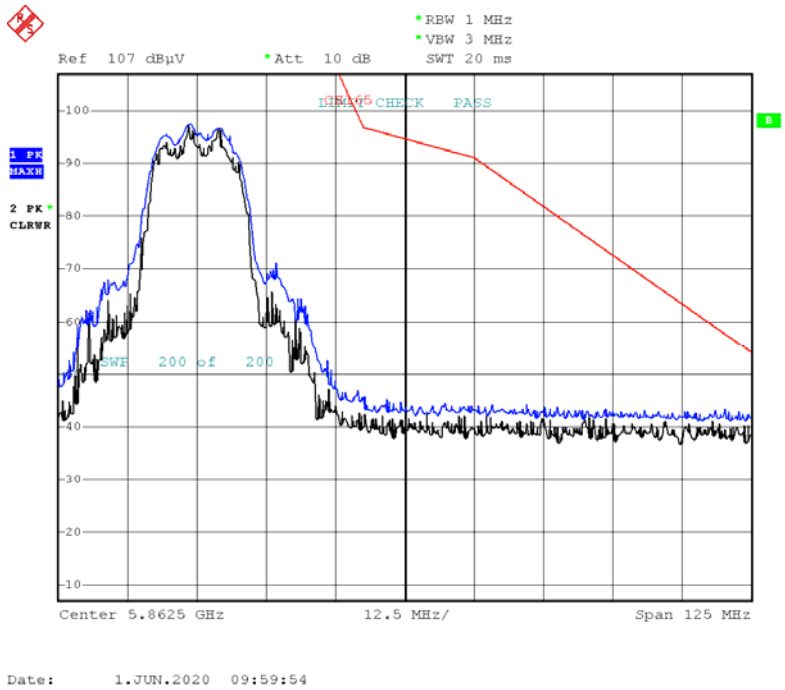


Note:

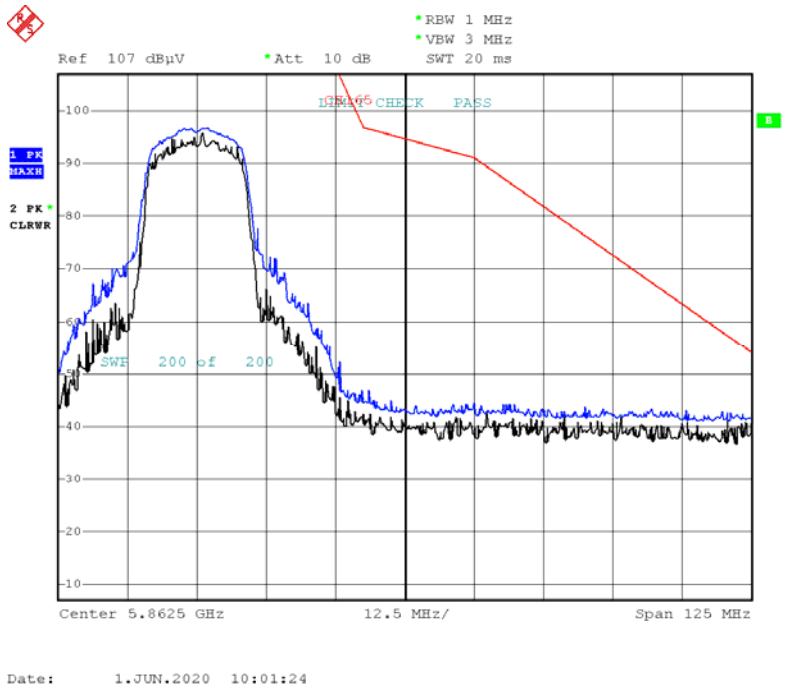
Only the worst case plots for Radiated Restricted Band Edge.

▣ Test Plots(UNII 3)

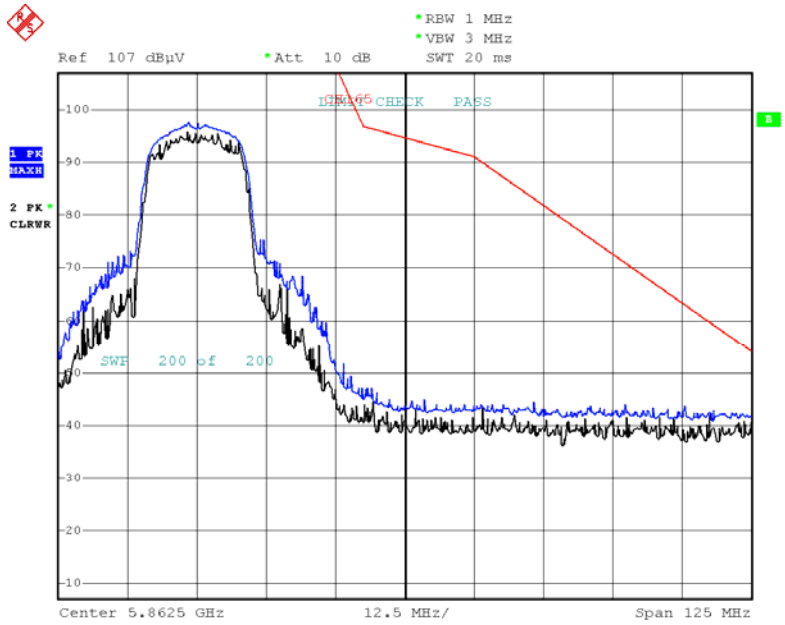
Peak Reading (802.11a, Ch.165)



Peak Reading (802.11n_HT20, Ch.165)

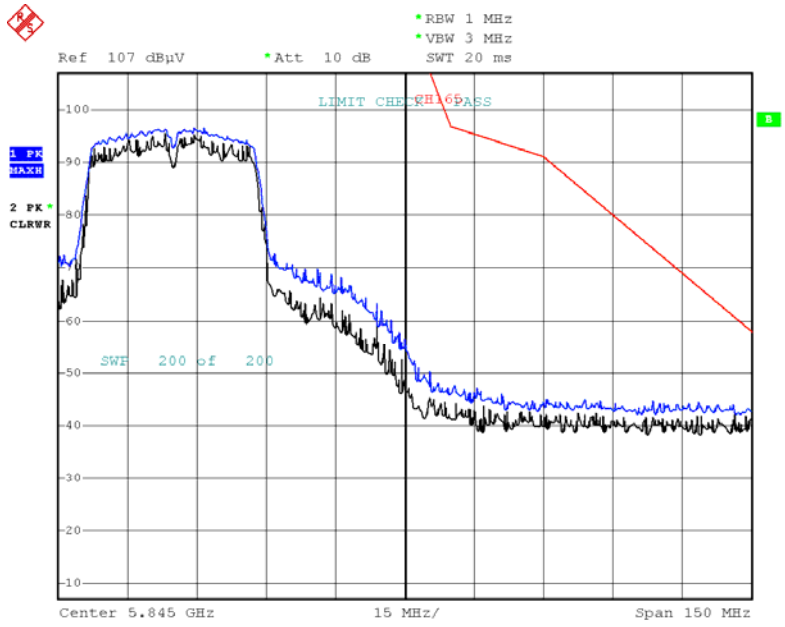


Peak Reading (802.11ac_VHT20, Ch.165)



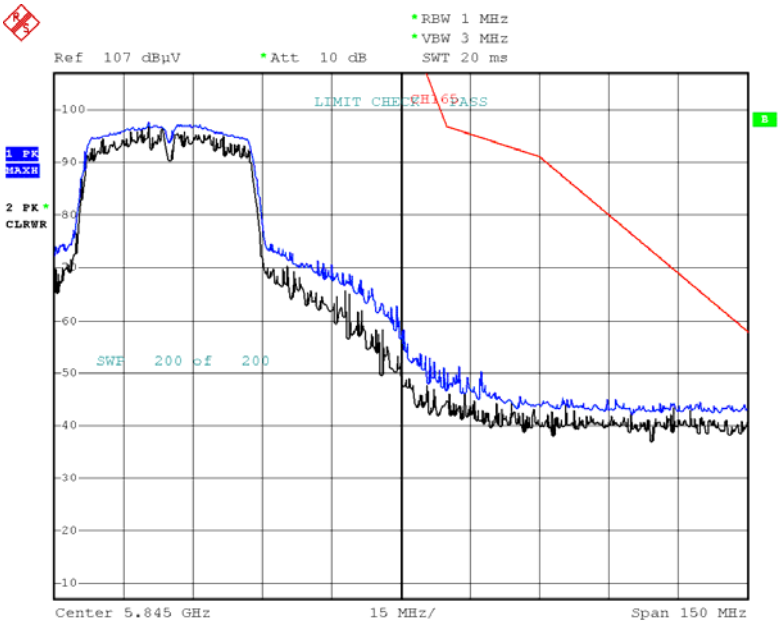
Date: 1.JUN.2020 10:02:49

Peak Reading (802.11n_HT40, Ch.159)



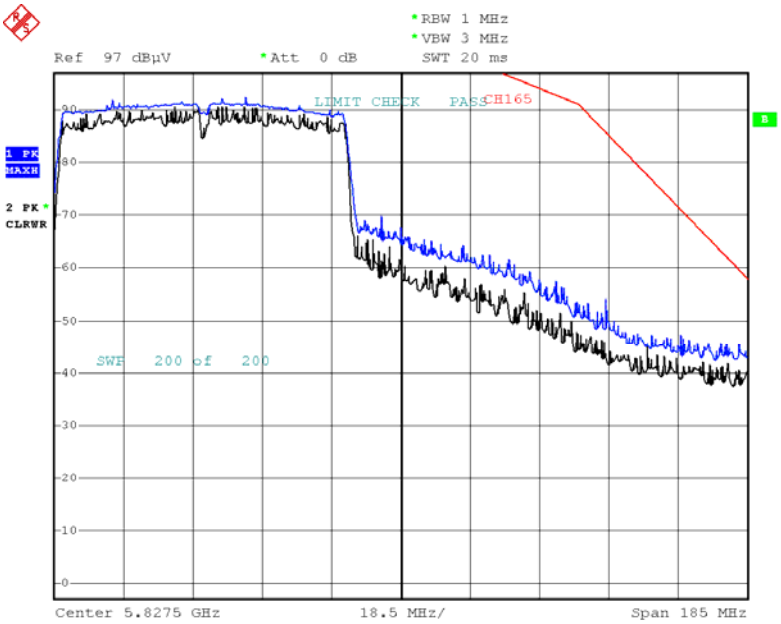
Date: 4.JUN.2020 14:42:09

Peak Reading (802.11ac_VHT40, Ch.159)



Date: 4.JUN.2020 14:41:11

Peak Reading (802.11ac_VHT80, Ch.155)



Date: 4.JUN.2020 14:44:03

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)

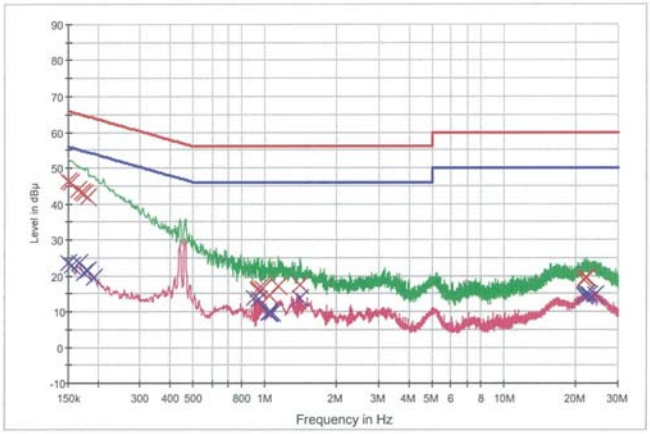
Test 1 / 2

HCT TEST Report

Common Information

EUT:	LGSBWAC95
Manufacturer:	LG
Test Site:	SHIELD ROOM
Operating Conditions:	5G_WLAN_N

FCC CLASS B



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	46.2	9.000	On	N	9.7	19.8	66.0
0.154000	45.8	9.000	On	N	9.7	20.0	65.8
0.164000	44.0	9.000	On	N	9.7	21.2	65.3
0.170000	43.2	9.000	On	N	9.7	21.8	65.0
0.174000	42.7	9.000	On	N	9.7	22.0	64.8
0.180000	41.9	9.000	On	N	9.7	22.6	64.5
0.926000	16.0	9.000	On	N	9.7	40.0	56.0
0.944000	16.6	9.000	On	N	9.7	39.4	56.0
0.970000	16.6	9.000	On	N	9.7	39.4	56.0
1.042000	14.3	9.000	On	N	9.7	41.7	56.0
1.138000	17.0	9.000	On	N	9.7	39.0	56.0
1.408000	17.3	9.000	On	N	9.7	38.7	56.0
21.614000	18.9	9.000	On	N	10.0	41.1	60.0
21.920000	19.5	9.000	On	N	10.0	40.5	60.0
22.000000	19.5	9.000	On	N	10.0	40.5	60.0
22.008000	19.5	9.000	On	N	10.0	40.5	60.0
22.034000	19.5	9.000	On	N	10.0	40.5	60.0
22.102000	19.4	9.000	On	N	10.0	40.6	60.0

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Test 2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	23.4	9.000	On	N	9.7	32.6	56.0
0.156000	22.9	9.000	On	N	9.7	32.8	55.7
0.166000	23.7	9.000	On	N	9.7	31.5	55.2
0.174000	21.0	9.000	On	N	9.7	33.8	54.8
0.180000	21.5	9.000	On	N	9.7	32.9	54.5
0.192000	19.4	9.000	On	N	9.7	34.5	53.9
0.902000	13.6	9.000	On	N	9.7	32.4	46.0
0.944000	13.5	9.000	On	N	9.7	32.5	46.0
1.038000	9.6	9.000	On	N	9.7	36.4	46.0
1.042000	9.7	9.000	On	N	9.7	36.3	46.0
1.068000	9.7	9.000	On	N	9.7	36.3	46.0
1.408000	13.7	9.000	On	N	9.7	32.3	46.0
21.614000	14.5	9.000	On	N	10.0	35.5	50.0
21.870000	14.9	9.000	On	N	10.0	35.1	50.0
22.102000	15.2	9.000	On	N	10.0	34.8	50.0
22.206000	15.0	9.000	On	N	10.0	35.0	50.0
22.618000	14.9	9.000	On	N	10.0	35.1	50.0
24.032000	14.8	9.000	On	N	10.0	35.2	50.0

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Conducted Emissions (Line 2)

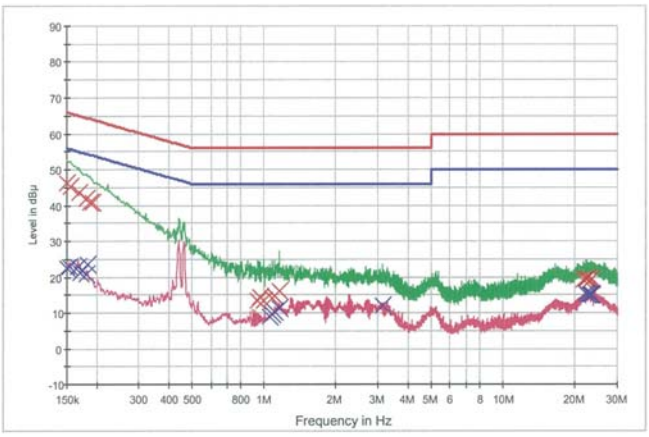
Test 1 / 2

HCT TEST Report

Common Information

EUT:	LGSBWAC95
Manufacturer:	LG
Test Site:	SHIELD ROOM
Operating Conditions:	5G_WLAN_L1

FCC CLASS B



Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	46.2	9.000	On	L1	9.7	19.8	66.0
0.156000	45.3	9.000	On	L1	9.7	20.4	65.7
0.168000	43.4	9.000	On	L1	9.7	21.6	65.1
0.180000	42.0	9.000	On	L1	9.7	22.5	64.5
0.188000	41.0	9.000	On	L1	9.7	23.1	64.1
0.192000	40.7	9.000	On	L1	9.7	23.3	63.9
0.940000	13.6	9.000	On	L1	9.7	42.4	56.0
0.968000	14.3	9.000	On	L1	9.7	41.7	56.0
0.996000	13.4	9.000	On	L1	9.7	42.6	56.0
1.082000	14.2	9.000	On	L1	9.7	41.8	56.0
1.108000	14.6	9.000	On	L1	9.7	41.4	56.0
1.166000	16.2	9.000	On	L1	9.7	39.8	56.0
21.748000	19.1	9.000	On	L1	10.0	40.9	60.0
22.064000	19.5	9.000	On	L1	10.0	40.5	60.0
22.288000	19.5	9.000	On	L1	10.0	40.5	60.0
22.484000	19.4	9.000	On	L1	10.0	40.6	60.0
23.094000	19.2	9.000	On	L1	10.0	40.8	60.0
23.526000	19.3	9.000	On	L1	10.0	40.7	60.0

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Test 2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	22.6	9.000	On	L1	9.7	33.4	56.0
0.154000	22.7	9.000	On	L1	9.7	33.1	55.8
0.166000	22.9	9.000	On	L1	9.7	32.3	55.2
0.170000	21.1	9.000	On	L1	9.7	33.8	55.0
0.180000	20.8	9.000	On	L1	9.7	33.7	54.5
0.184000	23.6	9.000	On	L1	9.7	30.7	54.3
1.058000	9.0	9.000	On	L1	9.7	37.0	46.0
1.088000	9.5	9.000	On	L1	9.7	36.5	46.0
1.110000	10.2	9.000	On	L1	9.7	35.8	46.0
1.158000	11.3	9.000	On	L1	9.7	34.7	46.0
1.166000	11.2	9.000	On	L1	9.7	34.8	46.0
3.140000	12.0	9.000	On	L1	9.8	34.0	46.0
22.260000	15.3	9.000	On	L1	10.0	34.7	50.0
22.342000	15.3	9.000	On	L1	10.0	34.7	50.0
22.868000	15.0	9.000	On	L1	10.0	35.0	50.0
22.892000	15.1	9.000	On	L1	10.0	34.9	50.0
23.094000	15.0	9.000	On	L1	10.0	35.0	50.0
23.542000	15.2	9.000	On	L1	10.0	34.8	50.0

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11. LIST OF TEST EQUIPMENT

Conducted Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	09/11/2019	Annual	102245
Rohde & Schwarz	ESCI / Test Receiver	06/05/2020	Annual	100033
ESPAC	SU-642 /Temperature Chamber	03/18/2020	Annual	0093008124
Agilent	N9020A / Signal Analyzer	05/11/2020	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	05/06/2020	Annual	MY53310623
Agilent	N1911A / Power Meter	04/07/2020	Annual	MY45101406
Agilent	N1921A / Power Sensor	03/23/2020	Annual	MY55220026
Agilent	87300B / Directional Coupler	11/11/2019	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	05/25/2020	Annual	05001
Hewlett Packard	E3632A / DC Power Supply	06/12/2020	Annual	KR75303960
Weinschel	2-20 / Attenuator(20 dB)	07/02/2019	Annual	BR0592
Rohde & Schwarz	EMC32 / Software	N/A	N/A	N/A
HCT CO., LTD.	FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	N/A	N/A
Rohde & Schwarz	CBT / Bluetooth Tester	05/12/2020	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	05/18/2020	Biennial	1513-175
Schwarzbeck	VULB 9160 / Hybrid Antenna	08/09/2018	Biennial	3368
Schwarzbeck	VULB 9168 / Hybrid Antenna	08/31/2018	Biennial	00895
Schwarzbeck	BBHA 9120D / Horn Antenna	11/18/2019	Biennial	9120D-1191
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	11/29/2019	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer	09/11/2019	Annual	836650/016
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/26/2019	Annual	101068-SZ
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	01/21/2020	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	02/10/2020	Annual	1
CERNEX WEINSCHEL	CBLU1183540B-01/Broadband Bench Top LNA 56-10 / Attenuator(10 dB)	12/24/2019	Annual	N/A
CERNEX Api tech.	CBL06185030 / Broadband Low Noise Amplifier 18B-03 / Attenuator (3 dB)	12/24/2019	Annual	N/A
Wainwright Instruments	WHKX10-2700-3000-18000-40SS / High Pass Filter	12/24/2019	Annual	N/A
Wainwright Instruments	WHKX8-6090-7000-18000-40SS / High Pass Filter	12/24/2019	Annual	N/A
T&M SYSTEM	COAXIAL ATTENUATOR / Thru	12/24/2019	Annual	N/A
CERNEX	CBL18265035 / Power Amplifier	12/26/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	03/23/2020	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/18/2020	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.
3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).

12. ANNEX A_ TEST SETUP PHOTO

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

No.	Description
1	HCT-RF-2006-FI004-P