802.11n(HT40) UNII 2C Band

802.11n(HT40) UNII 3 Band

802.11ac(VHT40) UNII 2C Band

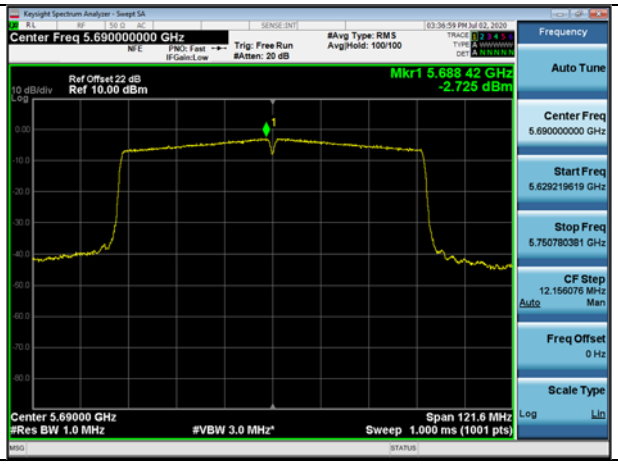
802.11ac(VHT40) UNII 3 Band

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	59.58	5.09	V	64.67	68.20	3.53	PK
15540	47.35	6.67	V	54.02	73.98	19.96	PK
15540	33.33	6.67	V	40.00	53.98	13.98	AV
10360	53.22	5.09	H	58.31	68.20	9.89	PK
15540	46.25	6.67	H	52.92	73.98	21.06	PK
15540	32.56	6.67	H	39.23	53.98	14.75	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	60.12	4.89	V	65.01	68.20	3.19	PK
15600	47.67	5.88	V	53.55	73.98	20.43	PK
15600	33.42	5.88	V	39.30	53.98	14.68	AV
10400	59.11	4.89	H	64.00	68.20	4.20	PK
15600	46.69	5.88	H	52.57	73.98	21.41	PK
15600	32.65	5.88	H	38.53	53.98	15.45	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	57.55	5.35	V	62.90	68.20	5.30	PK
15720	47.93	5.19	V	53.12	73.98	20.86	PK
15720	33.51	5.19	V	38.70	53.98	15.28	AV
10480	56.26	5.35	H	61.61	68.20	6.59	PK
15720	47.65	5.19	H	52.84	73.98	21.14	PK
15720	32.66	5.19	H	37.85	53.98	16.13	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	59.79	5.09	V	64.88	68.20	3.32	PK
15540	46.08	6.67	V	52.75	73.98	21.23	PK
15540	32.56	6.67	V	39.23	53.98	14.75	AV
10360	57.33	5.09	H	62.42	68.20	5.78	PK
15540	45.67	6.67	H	52.34	73.98	21.64	PK
15540	31.96	6.67	H	38.63	53.98	15.35	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	58.78	4.89	V	63.67	68.20	4.53	PK
15600	46.91	5.88	V	52.79	73.98	21.19	PK
15600	33.21	5.88	V	39.09	53.98	14.89	AV
10400	57.65	4.89	H	62.54	68.20	5.66	PK
15600	46.58	5.88	H	52.46	73.98	21.52	PK
15600	32.87	5.88	H	38.75	53.98	15.23	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]	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	55.73	5.35	V	61.08	68.20	7.12	PK
15720	47.22	5.19	V	52.41	73.98	21.57	PK
15720	33.15	5.19	V	38.34	53.98	15.64	AV
10480	54.37	5.35	H	59.72	68.20	8.48	PK
15720	46.87	5.19	H	52.06	73.98	21.92	PK
15720	32.75	5.19	H	37.94	53.98	16.04	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	59.62	5.09	V	64.71	68.20	3.49	PK
15540	46.15	6.67	V	52.82	73.98	21.16	PK
15540	32.52	6.67	V	39.19	53.98	14.79	AV
10360	58.66	5.09	H	63.75	68.20	4.45	PK
15540	45.76	6.67	H	52.43	73.98	21.55	PK
15540	31.98	6.67	H	38.65	53.98	15.33	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	57.34	4.89	V	62.23	68.20	5.97	PK
15600	47.48	5.88	V	53.36	73.98	20.62	PK
15600	33.53	5.88	V	39.41	53.98	14.57	AV
10400	57.21	4.89	H	62.10	68.20	6.10	PK
15600	47.31	5.88	H	53.19	73.98	20.79	PK
15600	32.98	5.88	H	38.86	53.98	15.12	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	55.17	5.35	V	60.52	68.20	7.68	PK
15720	47.74	5.19	V	52.93	73.98	21.05	PK
15720	33.80	5.19	V	38.99	53.98	14.99	AV
10480	54.26	5.35	H	59.61	68.20	8.59	PK
15720	47.29	5.19	H	52.48	73.98	21.50	PK
15720	32.92	5.19	H	38.11	53.98	15.87	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	56.15	5.32	V	61.47	68.20	6.73	PK
15570	46.57	5.80	V	52.37	73.98	21.61	PK
15570	33.90	5.80	V	39.70	53.98	14.28	AV
10380	55.47	5.32	H	60.79	68.20	7.41	PK
15570	45.78	5.80	H	51.58	73.98	22.40	PK
15570	33.18	5.80	H	38.98	53.98	15.00	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	50.50	5.80	V	56.30	68.20	11.90	PK
15690	46.63	5.12	V	51.75	73.98	22.23	PK
15690	33.91	5.12	V	39.03	53.98	14.95	AV
10460	49.45	5.80	H	55.25	68.20	12.95	PK
15690	45.89	5.12	H	51.01	73.98	22.97	PK
15690	33.18	5.12	H	38.30	53.98	15.68	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	58.31	5.32	V	63.63	68.20	4.57	PK
15570	46.56	5.80	V	52.36	73.98	21.62	PK
15570	33.68	5.80	V	39.48	53.98	14.50	AV
10380	57.12	5.32	H	62.44	68.20	5.76	PK
15570	45.69	5.80	H	51.49	73.98	22.49	PK
15570	32.69	5.80	H	38.49	53.98	15.49	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	50.09	5.80	V	55.89	68.20	12.31	PK
15690	46.97	5.12	V	52.09	73.98	21.89	PK
15690	33.88	5.12	V	39.00	53.98	14.98	AV
10460	49.84	5.80	H	55.64	68.20	12.56	PK
15690	46.17	5.12	H	51.29	73.98	22.69	PK
15690	33.25	5.12	H	38.37	53.98	15.61	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	51.81	5.08	V	56.89	68.20	11.31	PK
15630	46.78	5.51	V	52.29	73.98	21.69	PK
15630	35.49	5.51	V	41.00	53.98	12.98	AV
10420	50.16	5.08	H	55.24	68.20	12.96	PK
15630	44.36	5.51	H	49.87	73.98	24.11	PK
15630	34.39	5.51	H	39.90	53.98	14.08	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	59.01	4.96	V	63.97	68.20	4.23	PK
15780	51.15	5.56	V	56.71	73.98	17.27	PK
15780	36.84	5.56	V	42.40	53.98	11.58	AV
10520	55.49	4.96	H	60.45	68.20	7.75	PK
15780	48.68	5.56	H	54.24	73.98	19.74	PK
15780	34.69	5.56	H	40.25	53.98	13.73	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	49.94	5.65	V	55.59	73.98	18.39	PK
10600	36.86	5.65	V	42.51	53.98	11.47	AV
15900	47.86	6.27	V	54.13	73.98	19.85	PK
15900	34.04	6.27	V	40.31	53.98	13.67	AV
10600	49.58	5.65	H	55.23	73.98	18.75	PK
10600	35.94	5.65	H	41.59	53.98	12.39	AV
15900	46.66	6.27	H	52.93	73.98	21.05	PK
15900	33.97	6.27	H	40.24	53.98	13.74	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	50.98	5.96	V	56.94	73.98	17.04	PK
10640	36.60	5.96	V	42.56	53.98	11.42	AV
15960	50.88	5.64	V	56.52	73.98	17.46	PK
15960	36.52	5.64	V	42.16	53.98	11.82	AV
10640	49.27	5.96	H	55.23	73.98	18.75	PK
10640	35.58	5.96	H	41.54	53.98	12.44	AV
15960	49.58	5.64	H	55.22	73.98	18.76	PK
15960	36.09	5.64	H	41.73	53.98	12.25	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	54.22	4.96	V	59.18	68.20	9.02	PK
15780	47.14	5.56	V	52.70	73.98	21.28	PK
15780	33.30	5.56	V	38.86	53.98	15.12	AV
10520	52.39	4.96	H	57.35	68.20	10.85	PK
15780	46.34	5.56	H	51.90	73.98	22.08	PK
15780	32.47	5.56	H	38.03	53.98	15.95	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	51.45	5.65	V	57.10	73.98	16.88	PK
10600	37.78	5.65	V	43.43	53.98	10.55	AV
15900	50.06	6.27	V	56.33	73.98	17.65	PK
15900	35.40	6.27	V	41.67	53.98	12.31	AV
10600	50.48	5.65	H	56.13	73.98	17.85	PK
10600	36.75	5.65	H	42.40	53.98	11.58	AV
15900	49.78	6.27	H	56.05	73.98	17.93	PK
15900	34.28	6.27	H	40.55	53.98	13.43	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	49.23	5.96	V	55.19	73.98	18.79	PK
10640	35.61	5.96	V	41.57	53.98	12.41	AV
15960	47.99	5.64	V	53.63	73.98	20.35	PK
15960	33.45	5.64	V	39.09	53.98	14.89	AV
10640	48.58	5.96	H	54.54	73.98	19.44	PK
10640	34.67	5.96	H	40.63	53.98	13.35	AV
15960	46.93	5.64	H	52.57	73.98	21.41	PK
15960	32.75	5.64	H	38.39	53.98	15.59	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	56.51	4.96	V	61.47	68.20	6.73	PK
15780	49.43	5.56	V	54.99	73.98	18.99	PK
15780	34.90	5.56	V	40.46	53.98	13.52	AV
10520	56.17	4.96	H	61.13	68.20	7.07	PK
15780	48.69	5.56	H	54.25	73.98	19.73	PK
15780	34.07	5.56	H	39.63	53.98	14.35	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	51.27	5.65	V	56.92	73.98	17.06	PK
10600	37.15	5.65	V	42.80	53.98	11.18	AV
15900	49.68	6.27	V	55.95	73.98	18.03	PK
15900	35.12	6.27	V	41.39	53.98	12.59	AV
10600	50.99	5.65	H	56.64	73.98	17.34	PK
10600	36.44	5.65	H	42.09	53.98	11.89	AV
15900	48.97	6.27	H	55.24	73.98	18.74	PK
15900	34.73	6.27	H	41.00	53.98	12.98	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	49.34	5.96	V	55.30	73.98	18.68	PK
10640	34.95	5.96	V	40.91	53.98	13.07	AV
15960	48.37	5.64	V	54.01	73.98	19.97	PK
15960	34.08	5.64	V	39.72	53.98	14.26	AV
10640	48.22	5.96	H	54.18	73.98	19.80	PK
10640	34.21	5.96	H	40.17	53.98	13.81	AV
15960	47.46	5.64	H	53.10	73.98	20.88	PK
15960	33.30	5.64	H	38.94	53.98	15.04	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	50.38	5.50	V	55.88	68.20	12.32	PK
15810	47.01	6.48	V	53.49	73.98	20.49	PK
15810	33.88	6.48	V	40.36	53.98	13.62	AV
10540	49.45	5.50	H	54.95	68.20	13.25	PK
15810	46.88	6.48	H	53.36	73.98	20.62	PK
15810	33.48	6.48	H	39.96	53.98	14.02	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	50.33	6.10	V	56.43	73.98	17.55	PK
10620	36.51	6.10	V	42.61	53.98	11.37	AV
15930	47.21	6.04	V	53.25	73.98	20.73	PK
15930	33.27	6.04	V	39.31	53.98	14.67	AV
10620	49.83	6.10	H	55.93	73.98	18.05	PK
10620	36.03	6.10	H	42.13	53.98	11.85	AV
15930	47.01	6.04	H	53.05	73.98	20.93	PK
15930	33.10	6.04	H	39.14	53.98	14.84	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	50.73	5.50	V	56.23	68.20	11.97	PK
15810	46.76	6.48	V	53.24	73.98	20.74	PK
15810	33.77	6.48	V	40.25	53.98	13.73	AV
10540	50.14	5.50	H	55.64	68.20	12.56	PK
15810	46.17	6.48	H	52.65	73.98	21.33	PK
15810	32.97	6.48	H	39.45	53.98	14.53	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	48.91	6.10	V	55.01	73.98	18.97	PK
10620	35.74	6.10	V	41.84	53.98	12.14	AV
15930	47.35	6.04	V	53.39	73.98	20.59	PK
15930	33.50	6.04	V	39.54	53.98	14.44	AV
10620	48.10	6.10	H	54.20	73.98	19.78	PK
10620	35.28	6.10	H	41.38	53.98	12.60	AV
15930	47.25	6.04	H	53.29	73.98	20.69	PK
15930	33.18	6.04	H	39.22	53.98	14.76	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	49.93	5.10	V	55.03	68.20	13.17	PK
15870	46.16	6.90	V	53.06	73.98	20.92	PK
15870	34.91	6.90	V	41.81	53.98	12.17	AV
10580	48.90	5.10	H	54.00	68.20	14.20	PK
15870	45.58	6.90	H	52.48	73.98	21.50	PK
15870	34.22	6.90	H	41.12	53.98	12.86	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	53.34	5.30	V	58.64	73.98	15.34	PK
11000	38.62	5.30	V	43.92	53.98	10.06	AV
16500	47.38	7.79	V	55.17	68.20	13.03	PK
11000	55.27	5.30	H	60.57	73.98	13.41	PK
11000	40.53	5.30	H	45.83	53.98	8.15	AV
16500	47.54	7.79	H	55.33	68.20	12.87	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]	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	55.13	5.06	V	60.19	73.98	13.79	PK
11160	41.14	5.06	V	46.20	53.98	7.78	AV
16740	47.33	9.19	V	56.52	68.20	11.68	PK
11160	57.51	5.06	H	62.57	73.98	11.41	PK
11160	42.85	5.06	H	47.91	53.98	6.07	AV
16740	48.25	9.19	H	57.44	68.20	10.76	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	55.37	5.65	V	61.02	73.98	12.96	PK
11440	41.22	5.65	V	46.87	53.98	7.11	AV
17160	50.05	9.75	V	59.80	68.20	8.40	PK
11440	58.46	5.65	H	64.11	73.98	9.87	PK
11440	44.27	5.65	H	49.92	53.98	4.06	AV
17160	49.58	9.75	H	59.33	68.20	8.87	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	55.47	5.30	V	60.77	73.98	13.21	PK
11000	40.93	5.30	V	46.23	53.98	7.75	AV
16500	47.15	7.79	V	54.94	68.20	13.26	PK
11000	55.33	5.30	H	60.63	73.98	13.35	PK
11000	39.59	5.30	H	44.89	53.98	9.09	AV
16500	47.85	7.79	H	55.64	68.20	12.56	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	56.36	5.06	V	61.42	73.98	12.56	PK
11160	41.53	5.06	V	46.59	53.98	7.39	AV
16740	47.85	9.19	V	57.04	68.20	11.16	PK
11160	59.15	5.06	H	64.21	73.98	9.77	PK
11160	43.97	5.06	H	49.03	53.98	4.95	AV
16740	47.99	9.19	H	57.18	68.20	11.02	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	56.68	5.65	V	62.33	73.98	11.65	PK
11440	41.92	5.65	V	47.57	53.98	6.41	AV
17160	49.08	9.75	V	58.83	68.20	9.37	PK
11440	59.86	5.65	H	65.51	73.98	8.47	PK
11440	45.05	5.65	H	50.70	53.98	3.28	AV
17160	48.58	9.75	H	58.33	68.20	9.87	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	54.50	5.30	V	59.80	73.98	14.18	PK
11000	40.57	5.30	V	45.87	53.98	8.11	AV
16500	48.12	7.79	V	55.91	68.20	12.29	PK
11000	53.69	5.30	H	58.99	73.98	14.99	PK
11000	39.64	5.30	H	44.94	53.98	9.04	AV
16500	48.41	7.79	H	56.20	68.20	12.00	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	56.13	5.06	V	61.19	73.98	12.79	PK
11160	41.66	5.06	V	46.72	53.98	7.26	AV
16740	47.66	9.19	V	56.85	68.20	11.35	PK
11160	56.00	5.06	H	61.06	73.98	12.92	PK
11160	41.39	5.06	H	46.45	53.98	7.53	AV
16740	48.73	9.19	H	57.92	68.20	10.28	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	55.92	5.65	V	61.57	73.98	12.41	PK
11440	41.75	5.65	V	47.40	53.98	6.58	AV
17160	49.16	9.75	V	58.91	68.20	9.29	PK
11440	59.90	5.65	H	65.55	73.98	8.43	PK
11440	45.04	5.65	H	50.69	53.98	3.29	AV
17160	48.72	9.75	H	58.47	68.20	9.73	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	51.22	5.80	V	57.02	73.98	16.96	PK
11020	36.68	5.80	V	42.48	53.98	11.50	AV
16530	46.07	8.11	V	54.18	68.20	14.02	PK
11020	52.28	5.80	H	58.08	73.98	15.90	PK
11020	38.72	5.80	H	44.52	53.98	9.46	AV
16530	46.62	8.11	H	54.73	68.20	13.47	PK

Band : UNII 2C

Operation Mode: 802.11 n(HT40)

Transfer MCS Index: MCS0

Operating Frequency 5550 MHz

Channel No. 110 Ch

Frequency [MHz]	Reading [dBuV]	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	53.96	5.43	V	59.39	73.98	14.59	PK
11100	38.63	5.43	V	44.06	53.98	9.92	AV
16650	47.11	8.82	V	55.93	68.20	12.27	PK
11100	54.48	5.43	H	59.91	73.98	14.07	PK
11100	41.60	5.43	H	47.03	53.98	6.95	AV
16650	47.23	8.82	H	56.05	68.20	12.15	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	55.19	5.82	V	61.01	73.98	12.97	PK
11420	42.11	5.82	V	47.93	53.98	6.05	AV
17130	44.69	9.40	V	54.09	68.20	14.11	PK
11420	56.83	5.82	H	62.65	73.98	11.33	PK
11420	43.41	5.82	H	49.23	53.98	4.75	AV
17130	45.69	9.40	H	55.09	68.20	13.11	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	49.52	5.80	V	55.32	73.98	18.66	PK
11020	36.47	5.80	V	42.27	53.98	11.71	AV
16530	45.58	8.11	V	53.69	68.20	14.51	PK
11020	50.36	5.80	H	56.16	73.98	17.82	PK
11020	37.18	5.80	H	42.98	53.98	11.00	AV
16530	46.01	8.11	H	54.12	68.20	14.08	PK

Band : UNII 2C

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

Operating Frequency 5550 MHz

Channel No. 110 Ch

Frequency [MHz]	Reading [dBuV]	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	53.45	5.43	V	58.88	73.98	15.10	PK
11100	40.90	5.43	V	46.33	53.98	7.65	AV
16650	47.09	8.82	V	55.91	68.20	12.29	PK
11100	54.66	5.43	H	60.09	73.98	13.89	PK
11100	41.33	5.43	H	46.76	53.98	7.22	AV
16650	47.65	8.82	H	56.47	68.20	11.73	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	55.69	5.82	V	61.51	73.98	12.47	PK
11420	42.98	5.82	V	48.80	53.98	5.18	AV
17130	46.07	9.40	V	55.47	68.20	12.73	PK
11420	56.70	5.82	H	62.52	73.98	11.46	PK
11420	43.66	5.82	H	49.48	53.98	4.50	AV
17130	46.26	9.40	H	55.66	68.20	12.54	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	49.51	6.31	V	55.82	73.98	18.16	PK
11060	37.26	6.31	V	43.57	53.98	10.41	AV
16590	45.96	8.32	V	54.28	68.20	13.92	PK
11060	50.32	6.31	H	56.63	73.98	17.35	PK
11060	38.48	6.31	H	44.79	53.98	9.19	AV
16590	46.10	8.32	H	54.42	68.20	13.78	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	52.85	5.44	V	58.29	73.98	15.69	PK
11380	41.11	5.44	V	46.55	53.98	7.43	AV
17070	45.47	9.94	V	55.41	68.20	12.79	PK
11380	53.50	5.44	H	58.94	73.98	15.04	PK
11380	41.75	5.44	H	47.19	53.98	6.79	AV
17070	45.74	9.94	H	55.68	68.20	12.52	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	57.64	5.32	V	62.96	73.98	11.02	PK
11490	43.24	5.32	V	48.56	53.98	5.42	AV
17235	47.69	10.56	V	58.25	68.20	9.95	PK
11490	59.13	5.32	H	64.45	73.98	9.53	PK
11490	45.11	5.32	H	50.43	53.98	3.55	AV
17235	49.31	10.56	H	59.87	68.20	8.33	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	58.36	6.17	V	64.53	73.98	9.45	PK
11570	42.69	6.17	V	48.86	53.98	5.12	AV
17355	49.47	11.10	V	60.57	68.20	7.63	PK
11570	59.85	6.17	H	66.02	73.98	7.96	PK
11570	44.75	6.17	H	50.92	53.98	3.06	AV
17355	50.83	11.10	H	61.93	68.20	6.27	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	57.34	5.31	V	62.65	73.98	11.33	PK
11650	44.18	5.31	V	49.49	53.98	4.49	AV
17475	51.47	11.24	V	62.71	68.20	5.49	PK
11650	58.77	5.31	H	64.08	73.98	9.90	PK
11650	45.13	5.31	H	50.44	53.98	3.54	AV
17475	52.29	11.24	H	63.53	68.20	4.67	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	59.64	5.32	V	64.96	73.98	9.02	PK
11490	44.85	5.32	V	50.17	53.98	3.81	AV
17235	48.87	10.56	V	59.43	68.20	8.77	PK
11490	59.96	5.32	H	65.28	73.98	8.70	PK
11490	45.32	5.32	H	50.64	53.98	3.34	AV
17235	49.05	10.56	H	59.61	68.20	8.59	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	58.33	6.17	V	64.50	73.98	9.48	PK
11570	43.48	6.17	V	49.65	53.98	4.33	AV
17355	49.58	11.10	V	60.68	68.20	7.52	PK
11570	59.49	6.17	H	65.66	73.98	8.32	PK
11570	44.29	6.17	H	50.46	53.98	3.52	AV
17355	50.23	11.10	H	61.33	68.20	6.87	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	58.07	5.31	V	63.38	73.98	10.60	PK
11650	43.11	5.31	V	48.42	53.98	5.56	AV
17475	49.81	11.24	V	61.05	68.20	7.15	PK
11650	58.30	5.31	H	63.61	73.98	10.37	PK
11650	43.71	5.31	H	49.02	53.98	4.96	AV
17475	50.49	11.24	H	61.73	68.20	6.47	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	57.09	5.32	V	62.41	73.98	11.57	PK
11490	41.39	5.32	V	46.71	53.98	7.27	AV
17235	48.13	10.56	V	58.69	68.20	9.51	PK
11490	57.20	5.32	H	62.52	73.98	11.46	PK
11490	43.09	5.32	H	48.41	53.98	5.57	AV
17235	48.27	10.56	H	58.83	68.20	9.37	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	57.99	6.17	V	64.16	73.98	9.82	PK
11570	43.49	6.17	V	49.66	53.98	4.32	AV
17355	50.90	11.10	V	62.00	68.20	6.20	PK
11570	58.87	6.17	H	65.04	73.98	8.94	PK
11570	44.24	6.17	H	50.41	53.98	3.57	AV
17355	51.22	11.10	H	62.32	68.20	5.88	PK

Band : UNII 3

Operation Mode: 802.11 ac(VHT20)

Transfer MCS Index: MCS0

Operating Frequency 5825 MHz

Channel No. 165 Ch

Frequency [MHz]	Reading [dBuV]	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	60.17	5.31	V	65.48	73.98	8.50	PK
11650	43.98	5.31	V	49.29	53.98	4.69	AV
17475	48.22	11.24	V	59.46	68.20	8.74	PK
11650	61.10	5.31	H	66.41	73.98	7.57	PK
11650	45.62	5.31	H	50.93	53.98	3.05	AV
17475	48.36	11.24	H	59.60	68.20	8.60	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	59.28	5.13	V	64.41	73.98	9.57	PK
11510	45.30	5.13	V	50.43	53.98	3.55	AV
17265	47.69	10.43	V	58.12	68.20	10.08	PK
11510	59.83	5.13	H	64.96	73.98	9.02	PK
11510	45.62	5.13	H	50.75	53.98	3.23	AV
17265	48.72	10.43	H	59.15	68.20	9.05	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	58.45	5.46	V	63.91	73.98	10.07	PK
11590	44.37	5.46	V	49.83	53.98	4.15	AV
17385	47.30	11.19	V	58.49	68.20	9.71	PK
11590	59.44	5.46	H	64.90	73.98	9.08	PK
11590	45.22	5.46	H	50.68	53.98	3.30	AV
17385	47.67	11.19	H	58.86	68.20	9.34	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	56.80	5.13	V	61.93	73.98	12.05	PK
11510	43.95	5.13	V	49.08	53.98	4.90	AV
17265	47.06	10.43	V	57.49	68.20	10.71	PK
11510	57.83	5.13	H	62.96	73.98	11.02	PK
11510	44.96	5.13	H	50.09	53.98	3.89	AV
17265	47.71	10.43	H	58.14	68.20	10.06	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	54.69	5.46	V	60.15	73.98	13.83	PK
11590	42.16	5.46	V	47.62	53.98	6.36	AV
17385	46.09	11.19	V	57.28	68.20	10.92	PK
11590	55.82	5.46	H	61.28	73.98	12.70	PK
11590	42.89	5.46	H	48.35	53.98	5.63	AV
17385	47.60	11.19	H	58.79	68.20	9.41	PK

Band : UNII 3

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

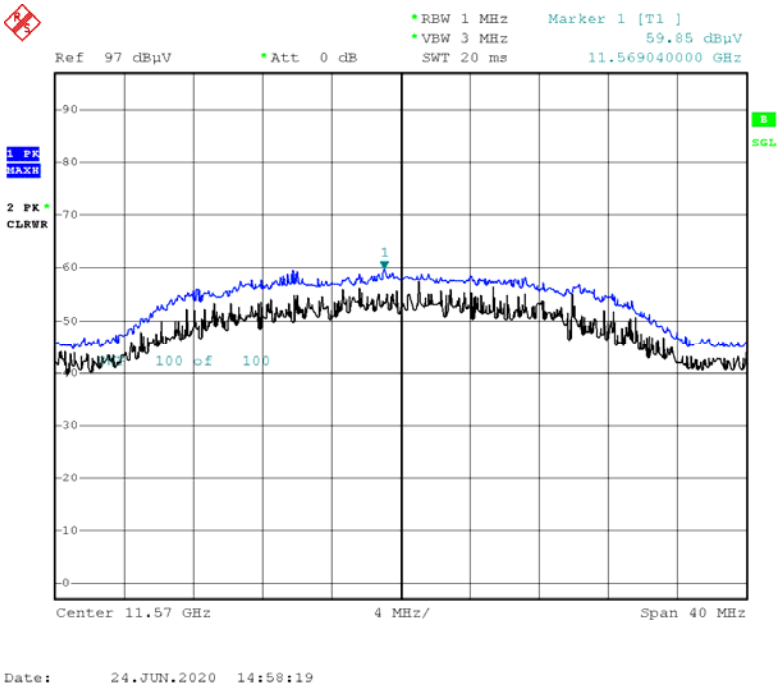
Operating Frequency 5775 MHz

Channel No. 155 Ch

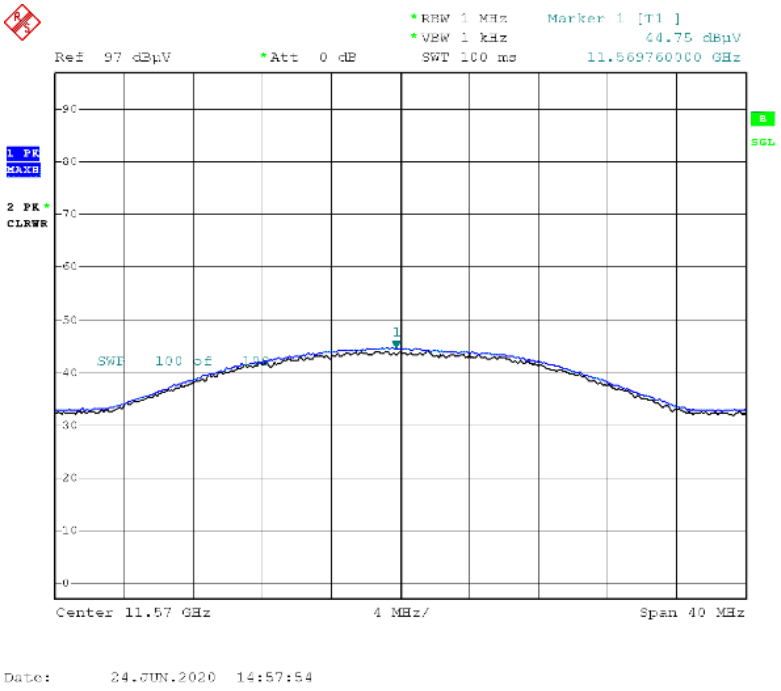
Frequency [MHz]	Reading [dBuV]	AN.+CL-AMP G [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	56.60	5.85	V	62.45	73.98	11.53	PK
11550	43.20	5.85	V	49.05	53.98	4.93	AV
17325	47.63	11.27	V	58.90	68.20	9.30	PK
11550	57.01	5.85	H	62.86	73.98	11.12	PK
11550	44.68	5.85	H	50.53	53.98	3.45	AV
17325	48.42	11.27	H	59.69	68.20	8.51	PK

▣ Test Plots

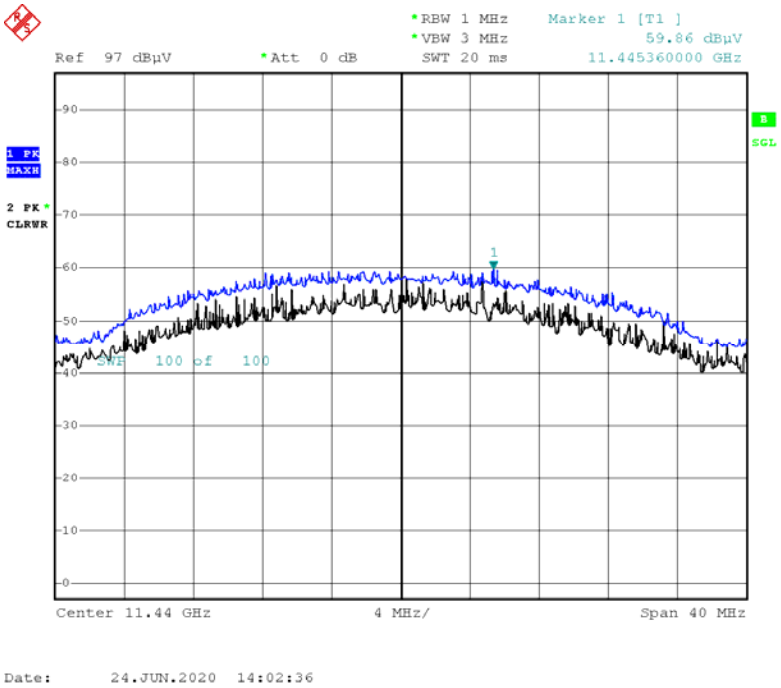
Peak Reading (802.11a, Ch.157 2nd Harmonic, Y-H)



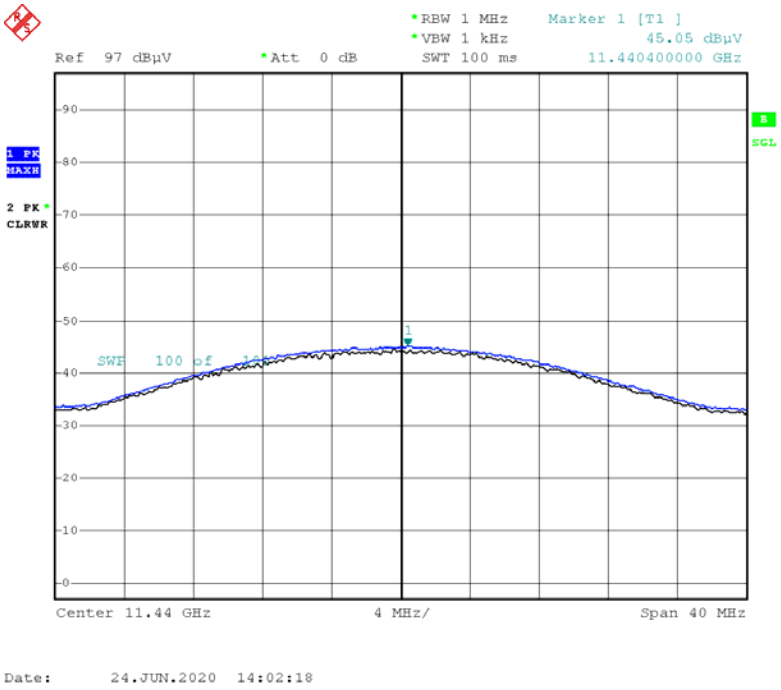
Average Reading (802.11a, Ch.157 2nd Harmonic, Y-H)



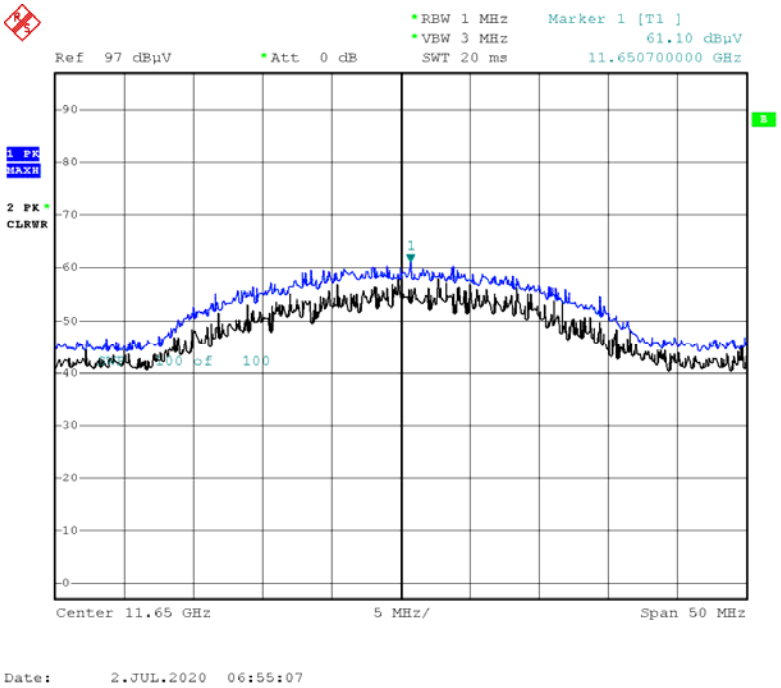
Peak Reading (802.11n(HT20), Ch.144 2nd Harmonic, H)



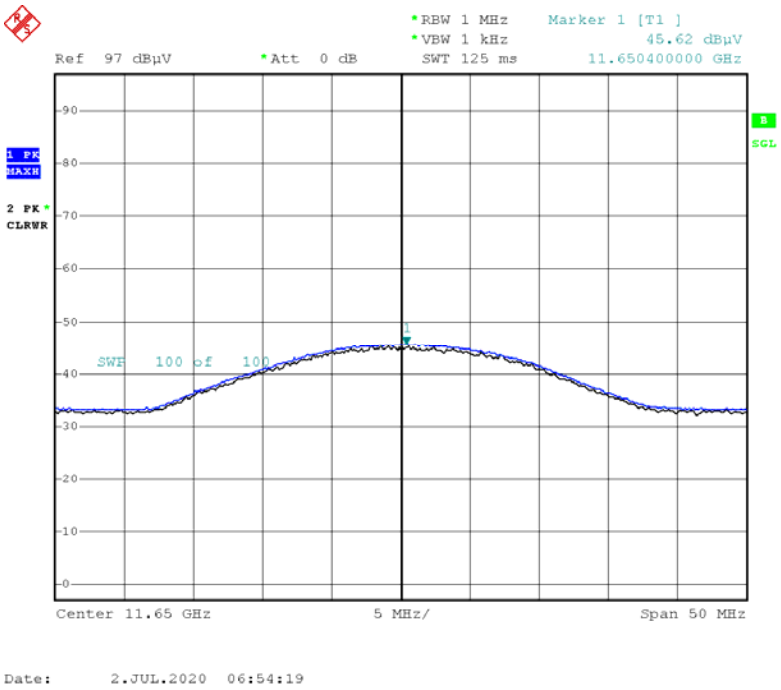
Average Reading (802.11n(HT20), Ch.144 2nd Harmonic, H)



Peak Reading (802.11ac(VHT20), Ch.165 2nd Harmonic, Y-H)



Average Reading (802.11ac(VHT20), Ch.165 2nd Harmonic, Y-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	48.19	12.48	H	60.67	73.98	13.31	PK
5150	35.36	12.48	H	47.84	53.98	6.14	AV
5150	47.63	12.48	V	60.11	73.98	13.87	PK
5150	34.66	12.48	V	47.14	53.98	6.84	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	46.02	12.48	H	58.50	73.98	15.48	PK
5150	33.77	12.48	H	46.25	53.98	7.73	AV
5150	45.79	12.48	V	58.27	73.98	15.71	PK
5150	32.67	12.48	V	45.15	53.98	8.83	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	45.53	12.48	H	58.01	73.98	15.97	PK
5150	32.38	12.48	H	44.86	53.98	9.12	AV
5150	45.27	12.48	V	57.75	73.98	16.23	PK
5150	32.11	12.48	V	44.59	53.98	9.39	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	51.23	12.48	H	63.71	73.98	10.27	PK
5150	37.53	12.48	H	50.01	53.98	3.97	AV
5150	50.98	12.48	V	63.46	73.98	10.52	PK
5150	36.22	12.48	V	48.70	53.98	5.28	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	51.64	12.48	H	64.12	73.98	9.86	PK
5150	37.65	12.48	H	50.13	53.98	3.85	AV
5150	50.97	12.48	V	63.45	73.98	10.53	PK
5150	36.58	12.48	V	49.06	53.98	4.92	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	49.46	12.48	H	61.94	73.98	12.04	PK
5150	36.74	12.48	H	49.22	53.98	4.76	AV
5150	48.65	12.48	V	61.13	73.98	12.85	PK
5150	35.44	12.48	V	47.92	53.98	6.06	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	45.24	12.50	H	57.74	73.98	16.24	PK
5350	31.96	12.50	H	44.46	53.98	9.52	AV
5350	46.63	12.50	V	59.13	73.98	14.85	PK
5350	33.80	12.50	V	46.30	53.98	7.68	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	45.95	12.50	H	58.45	73.98	15.53	PK
5350	32.57	12.50	H	45.07	53.98	8.91	AV
5350	45.45	12.50	V	57.95	73.98	16.03	PK
5350	32.90	12.50	V	45.40	53.98	8.58	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	46.34	12.50	H	58.84	73.98	15.14	PK
5350	32.86	12.50	H	45.36	53.98	8.62	AV
5350	47.29	12.50	V	59.79	73.98	14.19	PK
5350	33.55	12.50	V	46.05	53.98	7.93	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	45.16	12.50	H	57.66	73.98	16.32	PK
5350	31.73	12.50	H	44.23	53.98	9.75	AV
5350	44.75	12.50	V	57.25	73.98	16.73	PK
5350	32.95	12.50	V	45.45	53.98	8.53	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	45.30	12.50	H	57.80	73.98	16.18	PK
5350	31.96	12.50	H	44.46	53.98	9.52	AV
5350	47.20	12.50	V	59.70	73.98	14.28	PK
5350	32.84	12.50	V	45.34	53.98	8.64	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	45.01	12.50	H	57.51	73.98	16.47	PK
5350	33.99	12.50	H	46.49	53.98	7.49	AV
5350	46.88	12.50	V	59.38	73.98	14.60	PK
5350	34.80	12.50	V	47.30	53.98	6.68	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	45.19	12.89	H	58.08	73.98	15.90	PK
5460	32.47	12.89	H	45.36	53.98	8.62	AV
5470	45.09	13.00	H	58.09	68.20	10.11	PK
5460	44.64	12.89	V	57.53	73.98	16.45	PK
5460	32.11	12.89	V	45.00	53.98	8.98	AV
5470	44.58	13.00	V	57.58	68.20	10.62	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	45.88	12.89	H	58.77	73.98	15.21	PK
5460	32.47	12.89	H	45.36	53.98	8.62	AV
5470	45.16	13.00	H	58.16	68.20	10.04	PK
5460	45.00	12.89	V	57.89	73.98	16.09	PK
5460	32.13	12.89	V	45.02	53.98	8.96	AV
5470	44.89	13.00	V	57.89	68.20	10.31	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	45.75	12.89	H	58.64	73.98	15.34	PK
5460	32.55	12.89	H	45.44	53.98	8.54	AV
5470	45.53	13.00	H	58.53	68.20	9.67	PK
5460	45.27	12.89	V	58.16	73.98	15.82	PK
5460	32.09	12.89	V	44.98	53.98	9.00	AV
5470	45.17	13.00	V	58.17	68.20	10.03	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	45.28	12.89	H	58.17	73.98	15.81	PK
5460	32.10	12.89	H	44.99	53.98	8.99	AV
5470	46.61	13.00	H	59.61	68.20	8.59	PK
5460	43.56	12.89	V	56.45	73.98	17.53	PK
5460	30.82	12.89	V	43.71	53.98	10.27	AV
5470	43.33	13.00	V	56.33	68.20	11.87	PK

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

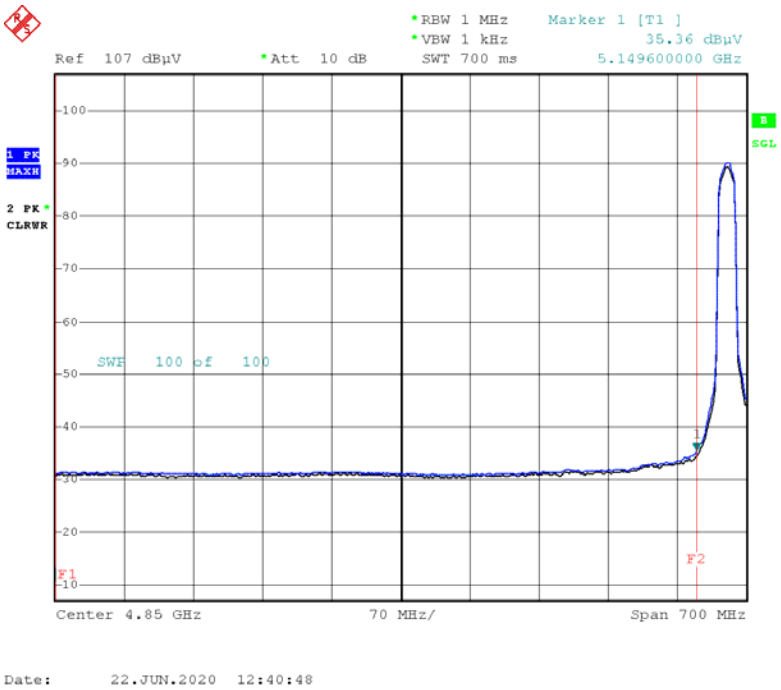
Frequency [MHz]	Reading DBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	43.86	12.89	H	56.75	73.98	17.23	PK
5460	31.59	12.89	H	44.48	53.98	9.50	AV
5470	45.33	13.00	H	58.33	68.20	9.87	PK
5460	43.03	12.89	V	55.92	73.98	18.06	PK
5460	30.66	12.89	V	43.55	53.98	10.43	AV
5470	43.36	13.00	V	56.36	68.20	11.84	PK

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

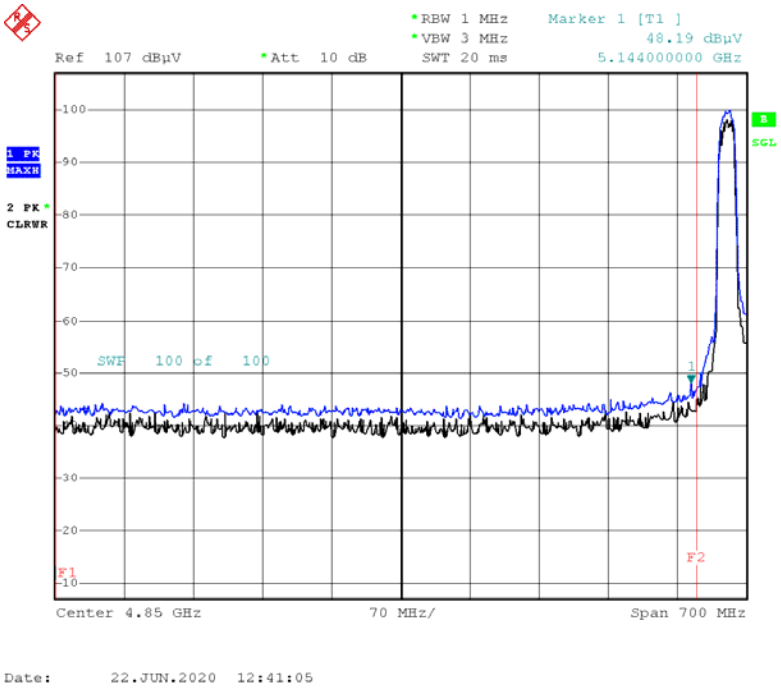
Frequency [MHz]	Reading DBuV	CL+AF+DF-AG [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	48.23	12.89	H	61.12	73.98	12.86	PK
5460	36.92	12.89	H	49.81	53.98	4.17	AV
5470	49.83	13.00	H	62.83	68.20	5.37	PK
5460	48.09	12.89	V	60.98	73.98	13.00	PK
5460	36.44	12.89	V	49.33	53.98	4.65	AV
5470	48.12	13.00	V	61.12	68.20	7.08	PK

▣ Test Plots(UNII 1, 2A, 2C)

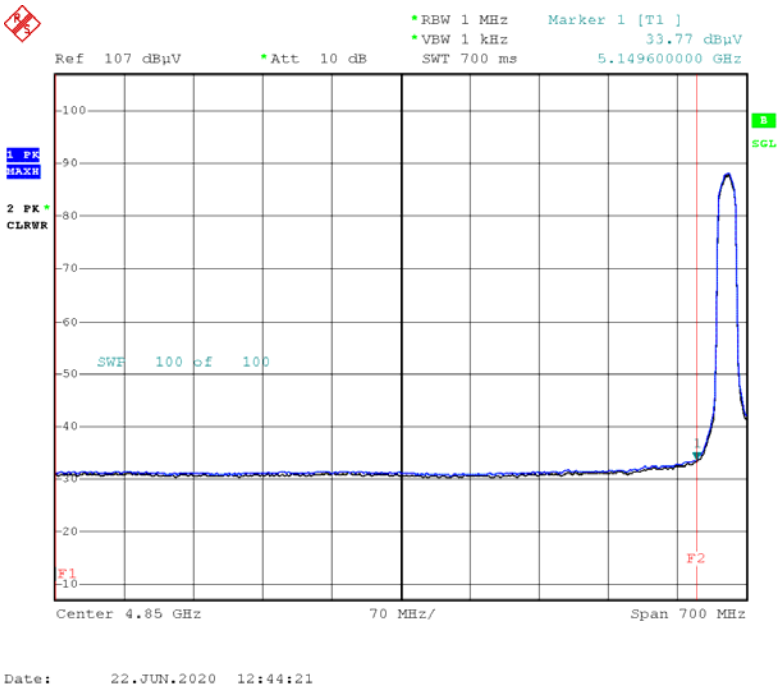
Average Reading (802.11a, Ch.36, X-H)



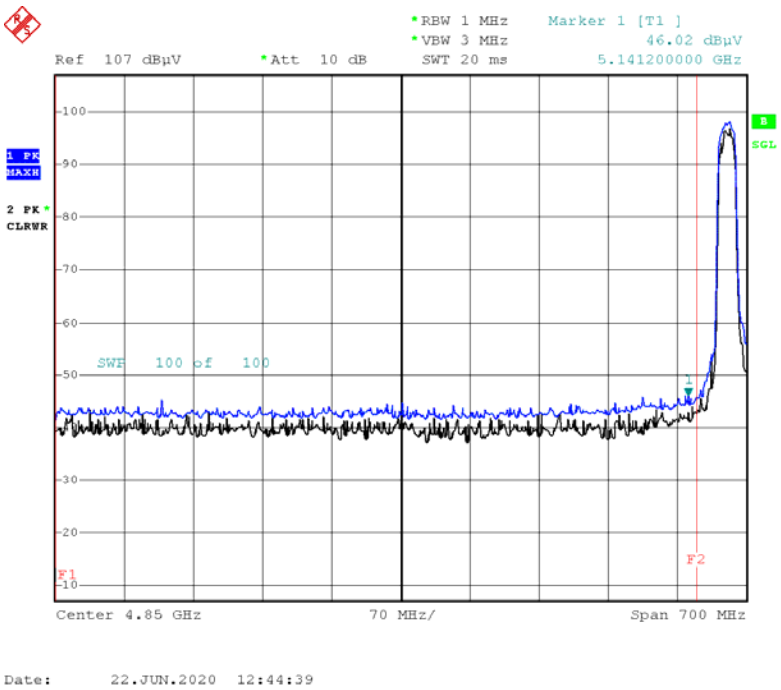
Peak Reading (802.11a, Ch.36, X-H)



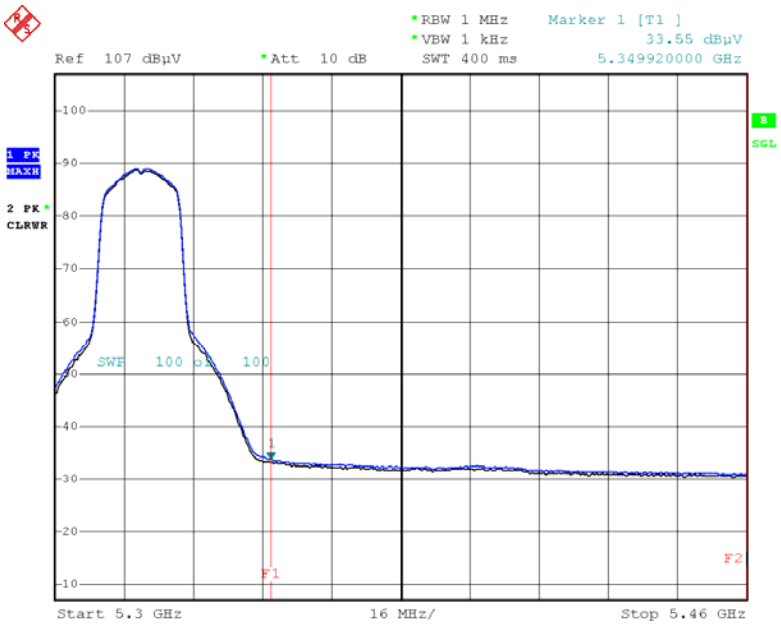
Average Reading (802.11n(HT20), Ch.36, **X-H**)



Peak Reading (802.11n(HT20), Ch.36, **X-H**)

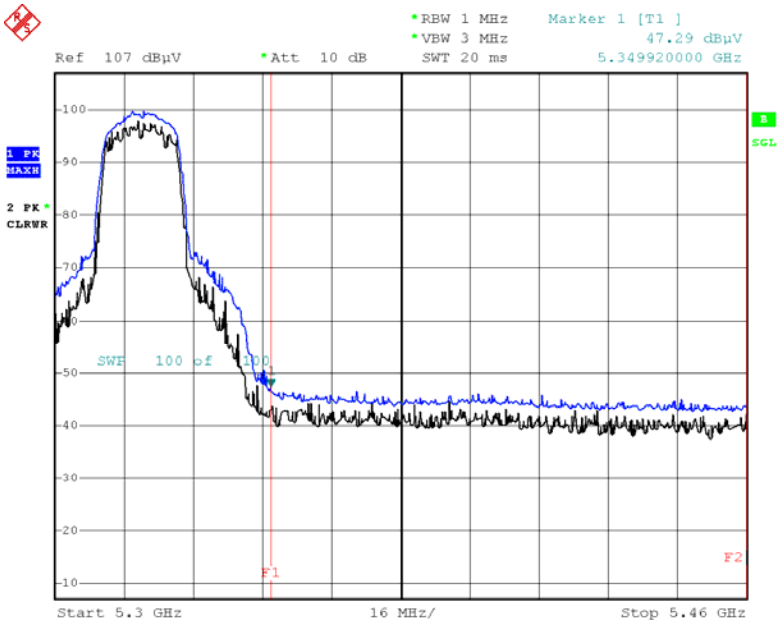


Average Reading (802.11ac(VHT20), Ch.64, Z-V)



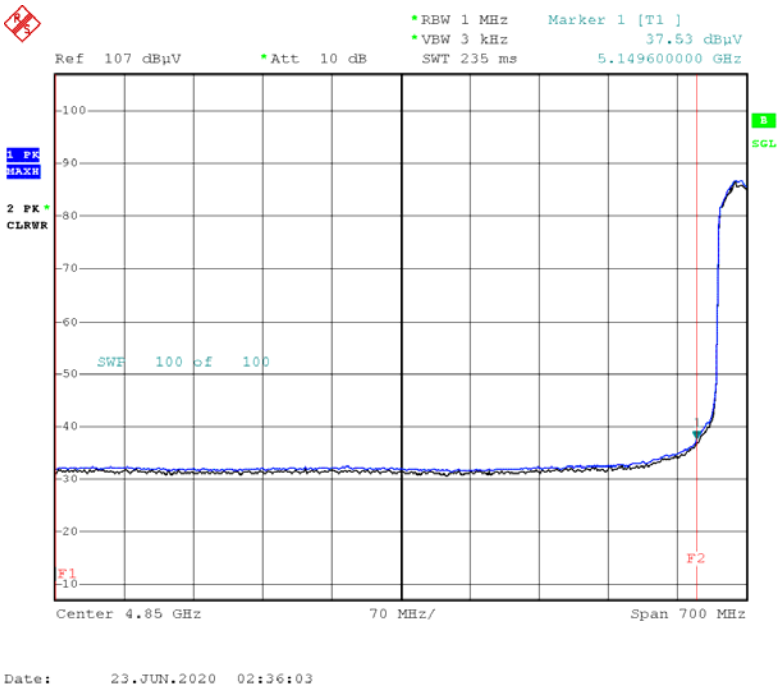
Date: 22.JUN.2020 14:53:49

Peak Reading (802.11ac(VHT20), Ch.64, Z-V)

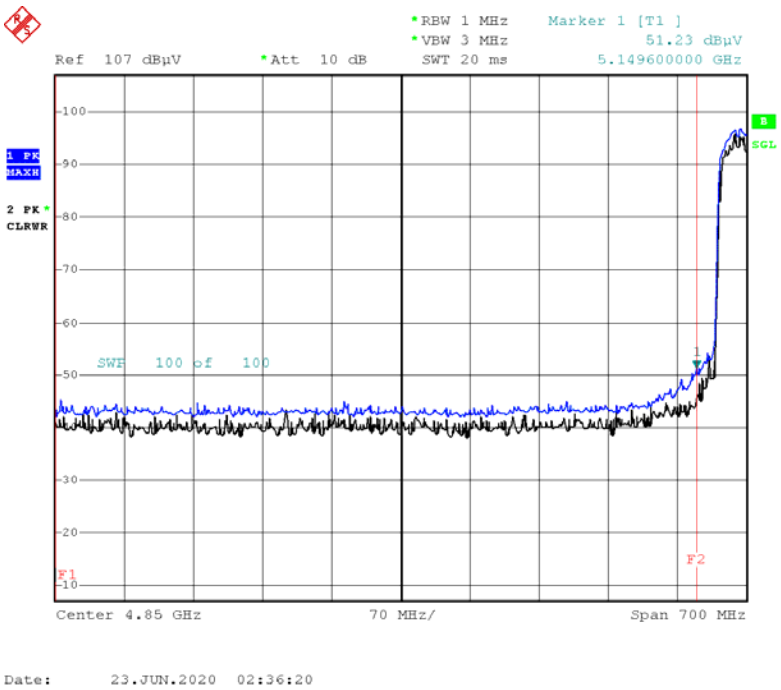


Date: 22.JUN.2020 14:54:48

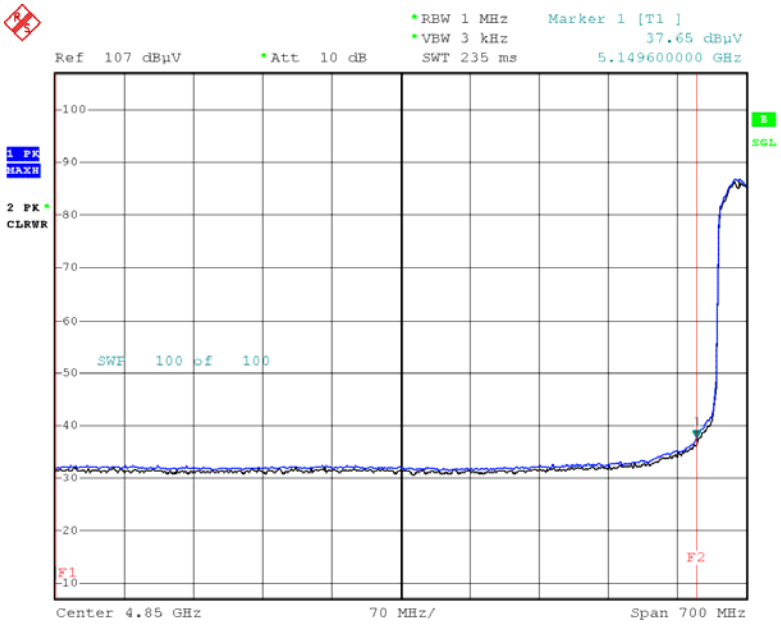
Average Reading (802.11n(HT40), Ch.38, **X-H**)



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

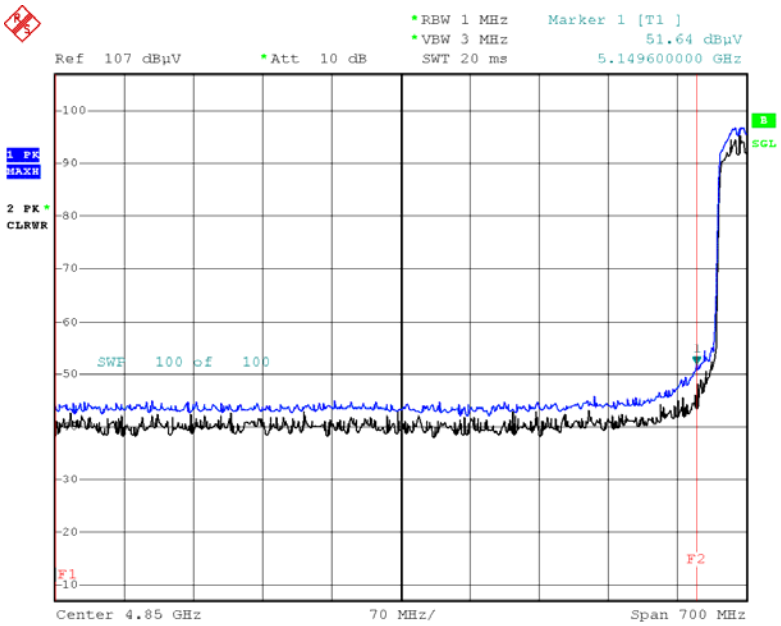


Average Reading (802.11ac(VHT40), Ch.38, **X-H**)



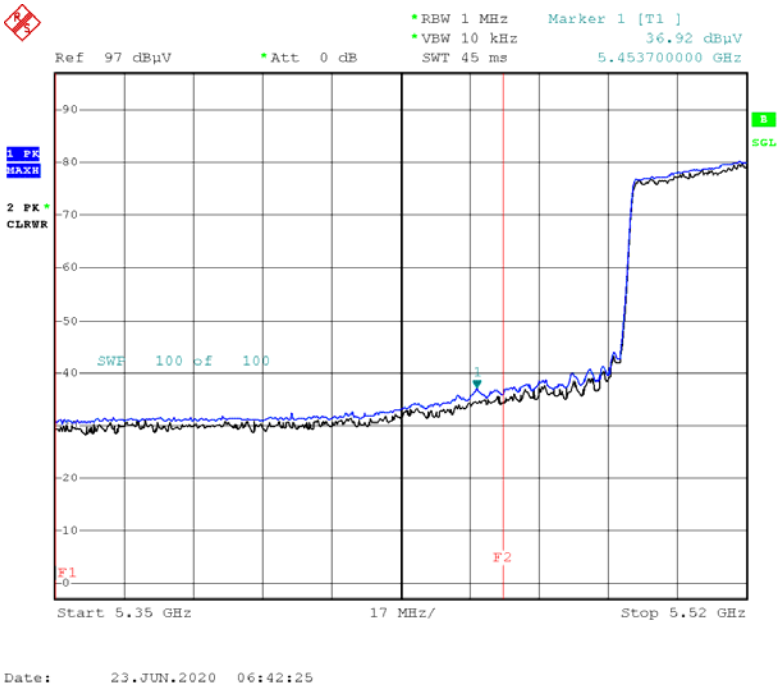
Date: 23.JUN.2020 02:37:59

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

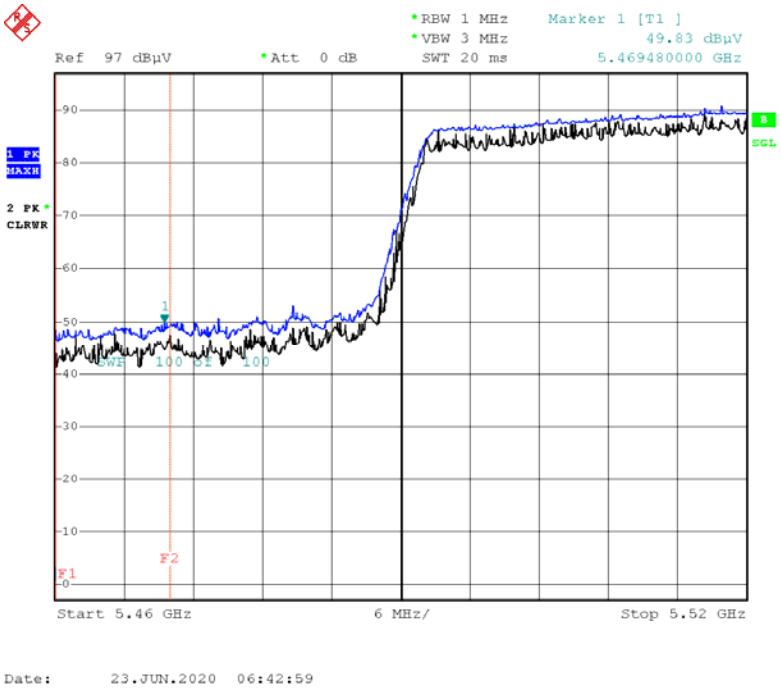


Date: 23.JUN.2020 02:38:44

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



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

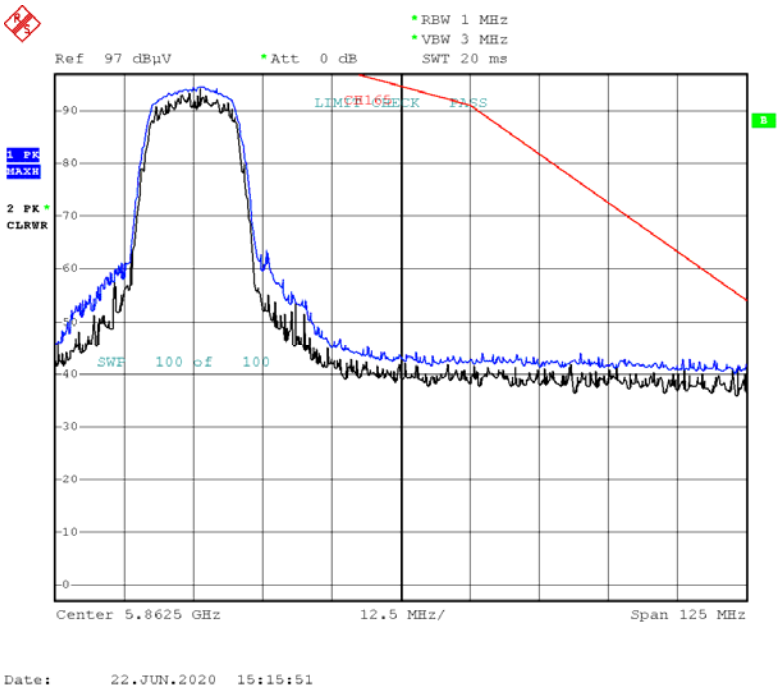


Note:

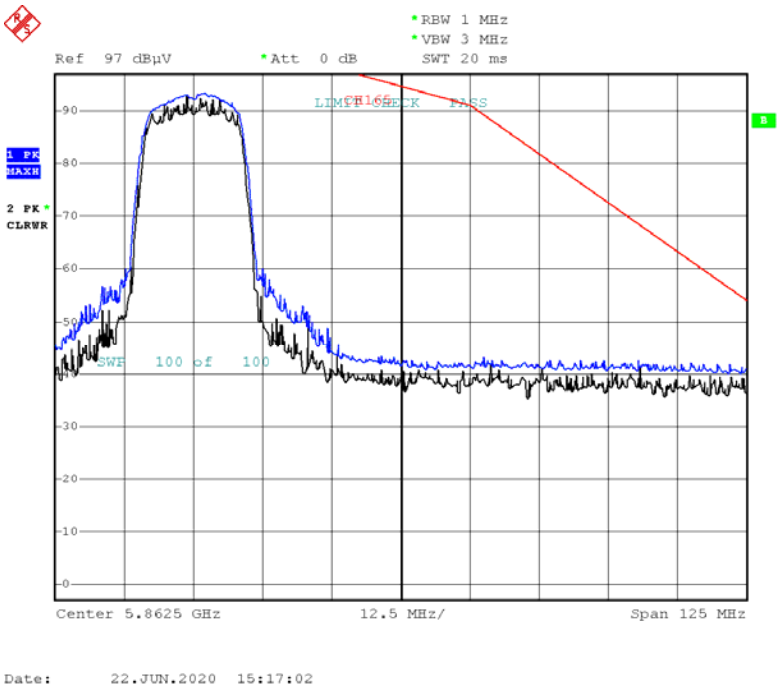
Only the worst case plots for Radiated Restricted Band Edge.

▣ Test Plots(UNII 3)

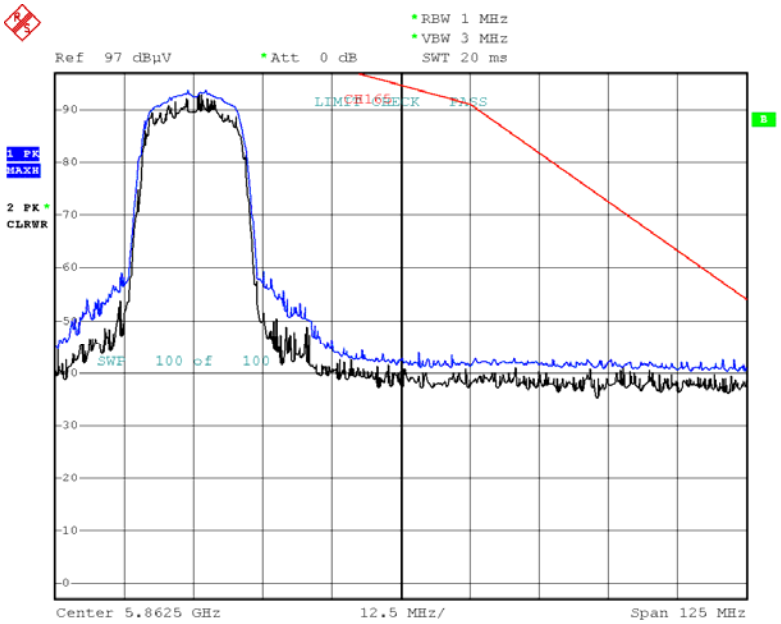
Peak Reading (802.11a, Ch.165)



Peak Reading (802.11n_HT20, Ch.165)

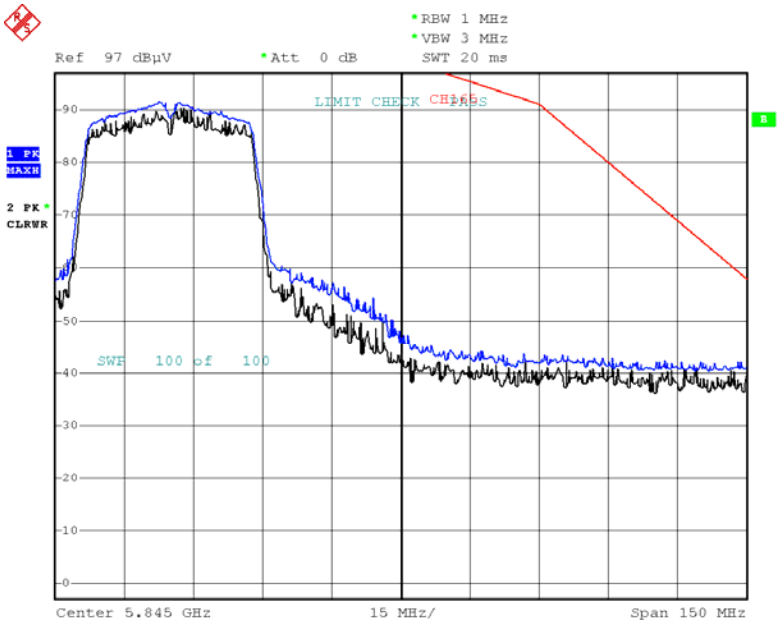


Peak Reading (802.11ac_VHT20, Ch.165)



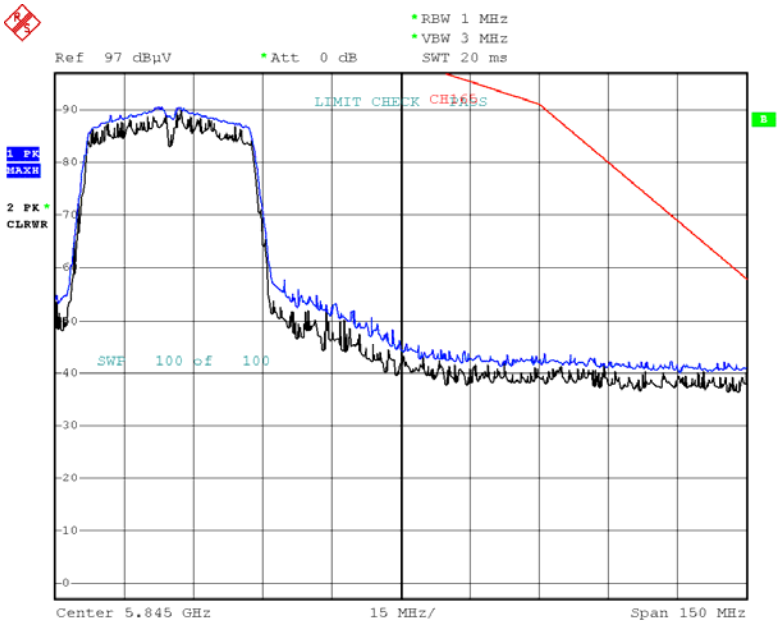
Date: 22.JUN.2020 15:18:08

Peak Reading (802.11n_HT40, Ch.159)



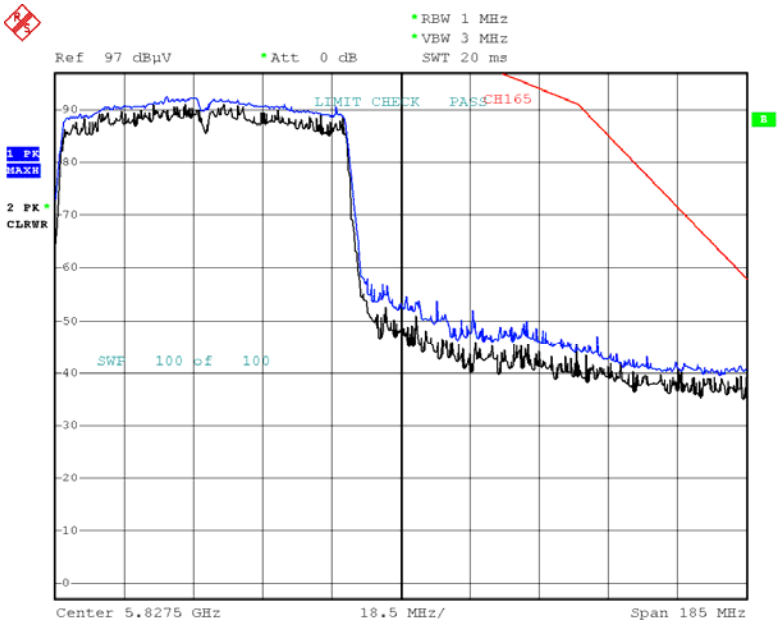
Date: 23.JUN.2020 02:32:34

Peak Reading (802.11ac_VHT40, Ch.159)



Date: 23.JUN.2020 02:31:39

Peak Reading (802.11ac_VHT80, Ch.155)



Date: 23.JUN.2020 06:55:40

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)

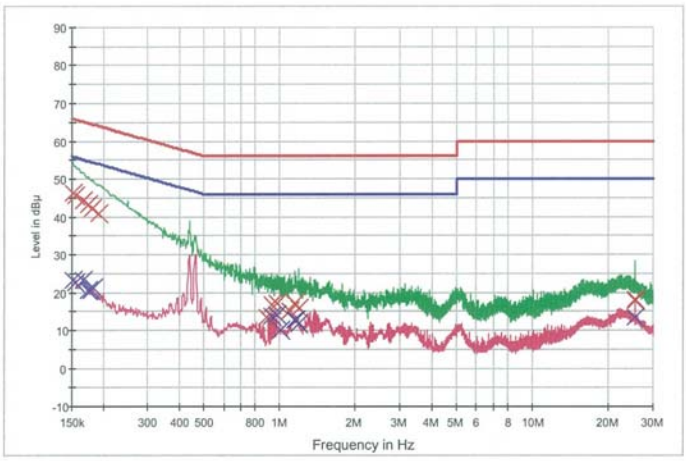
Test 1 / 2

HCT TEST Report

Common Information

EUT:	LGSBWAC03
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)
0.152000	46.3	9.000	On	N	9.7	19.6	65.9
0.156000	45.7	9.000	On	N	9.7	19.9	65.7
0.166000	44.1	9.000	On	N	9.7	21.1	65.2
0.174000	43.1	9.000	On	N	9.7	21.7	64.8
0.180000	42.3	9.000	On	N	9.7	22.2	64.5
0.192000	41.0	9.000	On	N	9.7	23.0	63.9
0.886000	13.5	9.000	On	N	9.7	42.5	56.0
0.926000	16.8	9.000	On	N	9.7	39.2	56.0
0.972000	17.2	9.000	On	N	9.7	38.8	56.0
1.096000	15.2	9.000	On	N	9.7	40.8	56.0
1.152000	17.0	9.000	On	N	9.7	39.0	56.0
1.190000	15.8	9.000	On	N	9.7	40.2	56.0
25.350000	18.0	9.000	On	N	10.0	42.0	60.0
25.354000	18.1	9.000	On	N	10.0	41.9	60.0
25.366000	17.8	9.000	On	N	10.0	42.2	60.0
25.370000	18.0	9.000	On	N	10.0	42.0	60.0
25.380000	17.9	9.000	On	N	10.0	42.1	60.0
25.392000	18.1	9.000	On	N	10.0	41.9	60.0

2020-06-09 오후 8:22:24

Test 2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	23.3	9.000	On	N	9.7	32.6	55.9
0.156000	22.6	9.000	On	N	9.7	33.1	55.7
0.166000	23.2	9.000	On	N	9.7	32.0	55.2
0.174000	20.6	9.000	On	N	9.7	34.1	54.8
0.178000	20.5	9.000	On	N	9.7	34.1	54.6
0.182000	21.2	9.000	On	N	9.7	33.2	54.4
0.926000	13.8	9.000	On	N	9.7	32.2	46.0
0.972000	14.0	9.000	On	N	9.7	32.0	46.0
1.012000	10.0	9.000	On	N	9.7	36.0	46.0
1.152000	12.8	9.000	On	N	9.7	33.2	46.0
1.158000	12.8	9.000	On	N	9.7	33.2	46.0
1.190000	11.5	9.000	On	N	9.7	34.5	46.0
25.350000	13.4	9.000	On	N	10.0	36.6	50.0
25.362000	13.3	9.000	On	N	10.0	36.7	50.0
25.366000	13.4	9.000	On	N	10.0	36.6	50.0
25.370000	13.4	9.000	On	N	10.0	36.6	50.0
25.376000	13.3	9.000	On	N	10.0	36.7	50.0
25.380000	13.4	9.000	On	N	10.0	36.6	50.0

2020-06-09 오후 8:22:24

Conducted Emissions (Line 2)

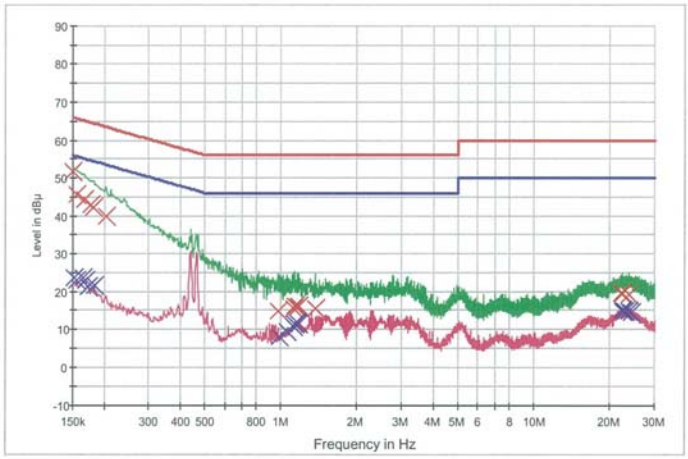
Test 1 / 2

HCT TEST Report

Common Information

EUT:	LGSBWAC03
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	51.6	9.000	On	L1	9.7	14.4	66.0
0.156000	45.6	9.000	On	L1	9.7	20.1	65.7
0.166000	44.1	9.000	On	L1	9.7	21.1	65.2
0.176000	42.8	9.000	On	L1	9.7	21.9	64.7
0.180000	42.3	9.000	On	L1	9.7	22.2	64.5
0.204000	39.7	9.000	On	L1	9.7	23.8	63.4
0.976000	14.8	9.000	On	L1	9.7	41.2	56.0
1.124000	15.6	9.000	On	L1	9.7	40.4	56.0
1.136000	16.1	9.000	On	L1	9.7	39.9	56.0
1.162000	15.8	9.000	On	L1	9.7	40.2	56.0
1.170000	16.0	9.000	On	L1	9.7	40.0	56.0
1.368000	15.3	9.000	On	L1	9.8	40.7	56.0
22.056000	19.5	9.000	On	L1	10.0	40.5	60.0
22.212000	19.6	9.000	On	L1	10.0	40.4	60.0
22.318000	19.5	9.000	On	L1	10.0	40.5	60.0
22.372000	19.4	9.000	On	L1	10.0	40.6	60.0
23.636000	19.2	9.000	On	L1	10.0	40.8	60.0
23.766000	19.2	9.000	On	L1	10.0	40.8	60.0

2020-06-09 오후 8:32:01

Test 2 / 2

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	23.4	9.000	On	L1	9.7	32.5	55.9
0.156000	22.9	9.000	On	L1	9.7	32.8	55.7
0.164000	23.5	9.000	On	L1	9.7	31.8	55.3
0.168000	22.8	9.000	On	L1	9.7	32.2	55.1
0.172000	21.3	9.000	On	L1	9.7	33.6	54.9
0.182000	21.6	9.000	On	L1	9.7	32.8	54.4
0.984000	7.8	9.000	On	L1	9.7	38.2	46.0
1.062000	9.2	9.000	On	L1	9.7	36.8	46.0
1.120000	10.6	9.000	On	L1	9.7	35.4	46.0
1.136000	11.3	9.000	On	L1	9.7	34.7	46.0
1.162000	11.5	9.000	On	L1	9.7	34.5	46.0
1.170000	11.4	9.000	On	L1	9.7	34.6	46.0
22.330000	14.9	9.000	On	L1	10.0	35.1	50.0
22.372000	14.9	9.000	On	L1	10.0	35.1	50.0
22.380000	15.0	9.000	On	L1	10.0	35.0	50.0
22.890000	14.7	9.000	On	L1	10.0	35.3	50.0
23.612000	14.9	9.000	On	L1	10.0	35.1	50.0
24.364000	14.4	9.000	On	L1	10.0	35.6	50.0

2020-06-09 오후 8:32:01

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)	10/08/2019	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-2007-FI003-P