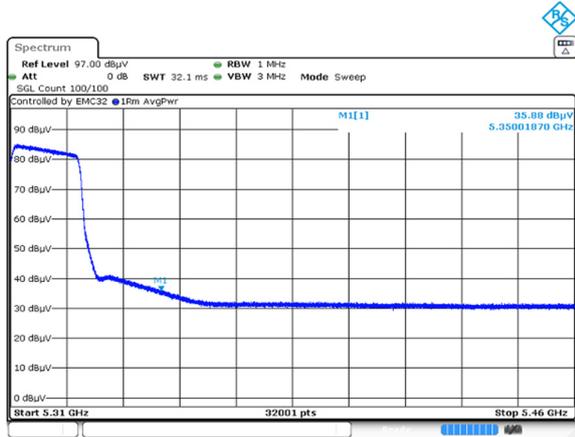


802.11 HT40 UNII-2A ANT2

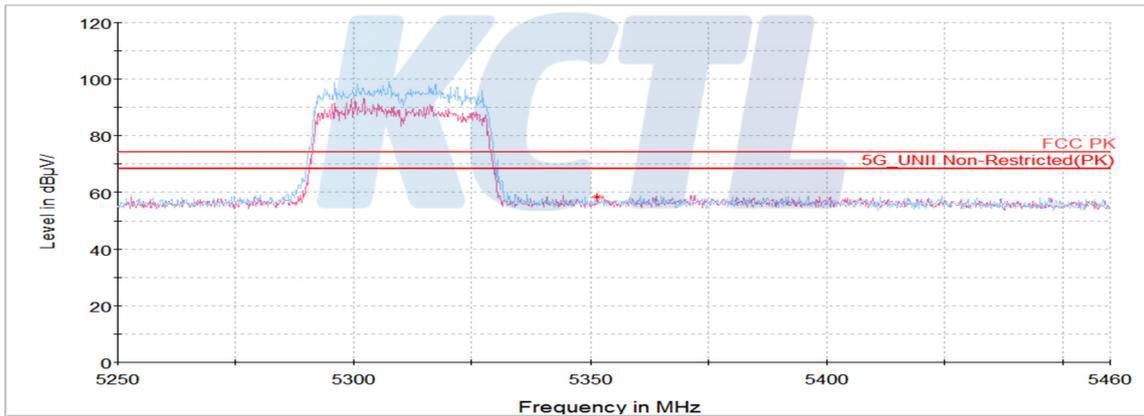
Highest Channel (5 310 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11 HT40 UNII-2A 2TX MIMO**Lowest Channel (5 270 MHz)**

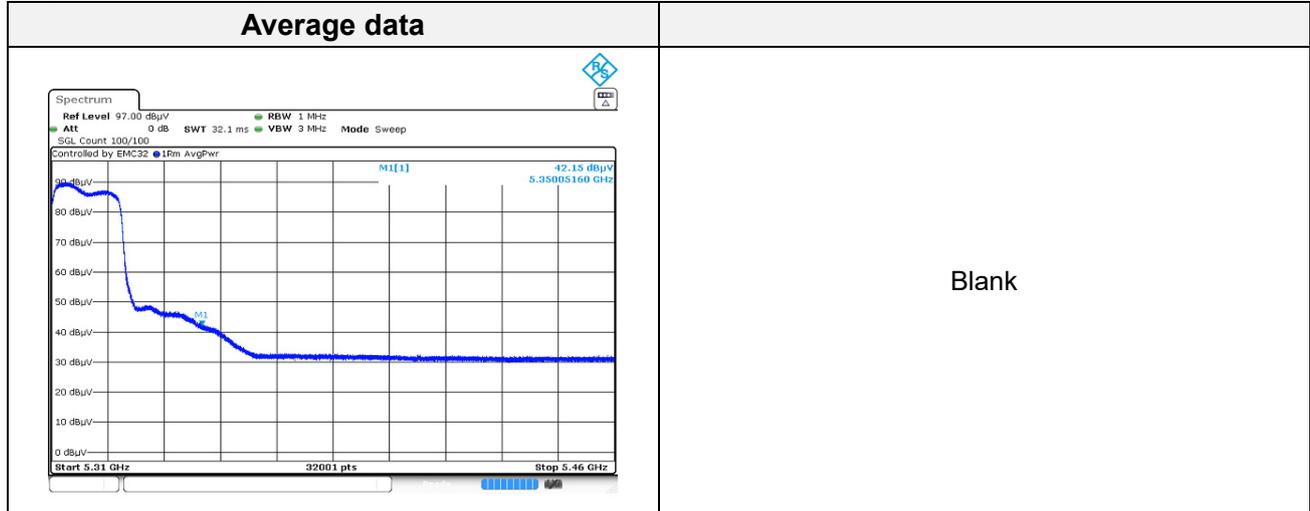
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 539.73	H	57.63	37.42	-51.68	-	43.37	68.20	24.83
16 564.30	H	57.21	41.56	-45.37	-	53.40	68.20	14.80
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Highest Channel (5 310 MHz)

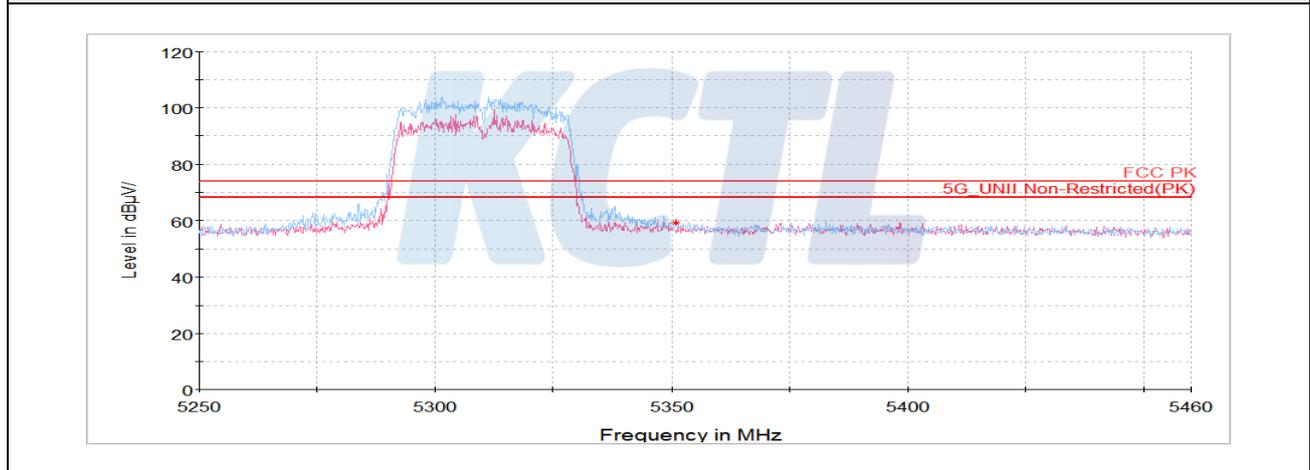
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 350.05 ¹⁾	H	51.24	34.56	-26.84	-	58.96	74.00	15.04
10 620.59	V	58.41	37.47	-51.72	-	44.16	74.00	29.84
16 563.22	V	57.76	41.56	-45.37	-	53.95	68.20	14.25
Average Data								
5 350.05 ¹⁾	H	42.15	34.56	-26.84	-	49.87	54.00	4.13

802.11 HT40 UNII-2A 2TX MIMO

Highest Channel (5 310 MHz)



Horizontal/Vertical for Band-edge



802.11ac VHT20 UNII-2A ANT1**Lowest Channel (5 260 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 520.33	H	58.41	37.41	-51.67	-	44.15	68.20	24.05
16 547.41	V	56.60	41.55	-45.31	-	52.84	68.20	15.36
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Middle Channel (5 280 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 576.03	V	59.47	37.45	-51.70	-	45.22	68.20	22.98
16 567.89	H	57.40	41.57	-45.39	-	53.58	68.20	14.62
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

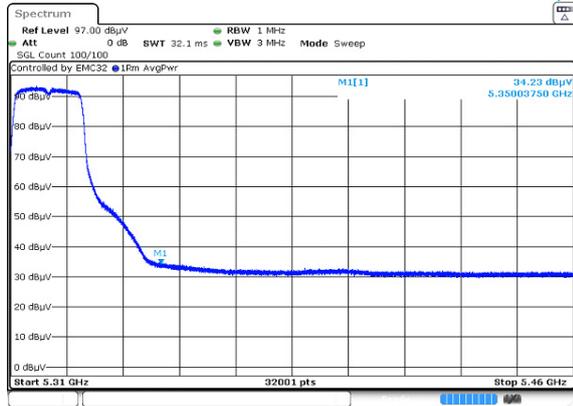
Highest Channel (5 320 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 350.04 ¹⁾	H	51.00	34.56	-26.84	-	58.72	74.00	15.28
10 651.86	V	60.25	37.49	-51.74	-	46.00	74.00	28.00
16 569.33	H	57.53	41.57	-45.39	-	53.71	68.20	14.49
Average Data								
5 350.04 ¹⁾	H	34.23	34.56	-26.84	-	41.95	54.00	12.05

802.11ac VHT20 UNII-2A ANT1

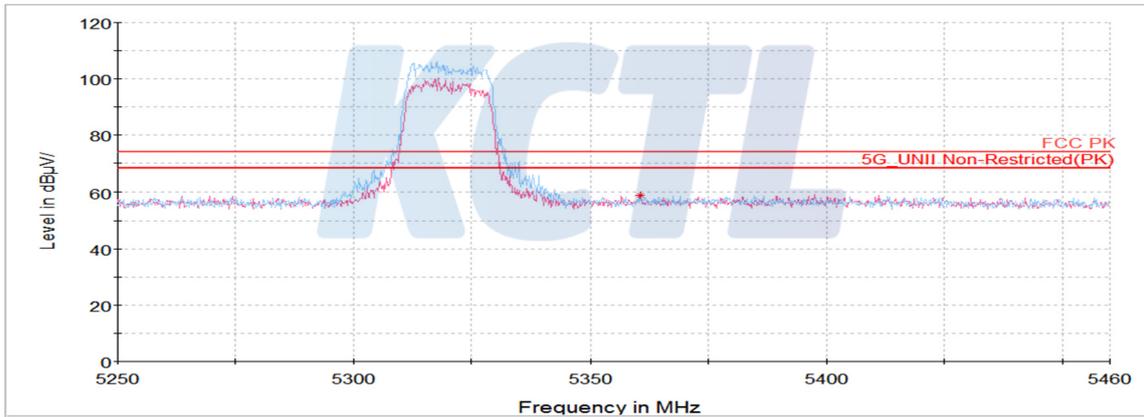
Highest Channel (5 320 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11ac VHT20 UNII-2A ANT2**Lowest Channel (5 260 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 514.22	V	58.50	37.41	-51.67	-	44.24	68.20	23.96
16 552.08	H	56.67	41.55	-45.33	-	52.89	68.20	15.31
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Middle Channel (5 280 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 578.91	V	59.22	37.45	-51.70	-	44.97	68.20	23.23
16 607.78	V	57.80	41.61	-45.53	-	53.88	68.20	14.32
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

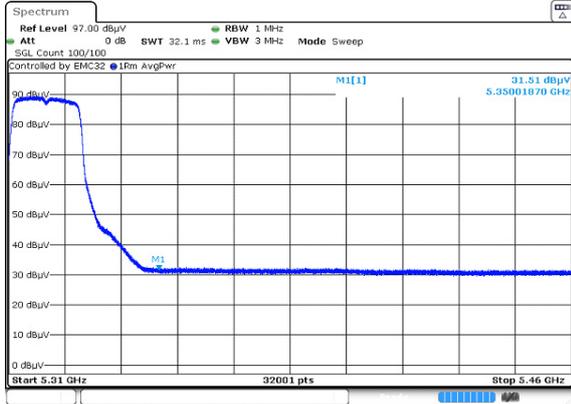
Highest Channel (5 320 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 350.02 ¹⁾	V	50.36	34.56	-26.84	-	58.08	74.00	15.92
10 634.97	V	60.44	37.48	-51.73	-	46.19	74.00	27.81
16 551.36	H	56.44	41.55	-45.33	-	52.66	68.20	15.54
Average Data								
5 350.02 ¹⁾	V	31.51	34.56	-26.84	-	39.23	54.00	14.77

802.11ac VHT20 UNII-2A ANT2

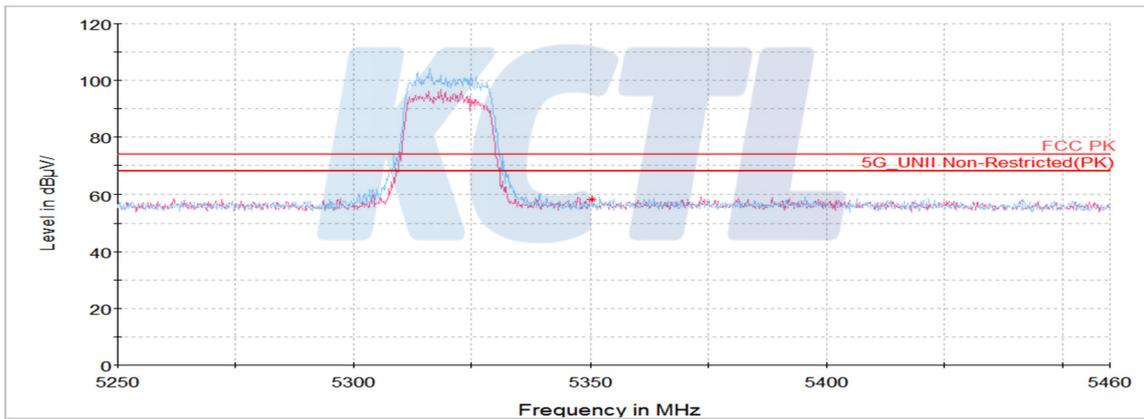
Highest Channel (5 320 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11ac VHT20 UNII-2A 2TX MIMO**Lowest Channel (5 260 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 524.28	H	59.22	37.41	-51.68	-	44.95	68.20	23.25
16 568.97	V	56.99	41.57	-45.39	-	53.17	68.20	15.03
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Middle Channel (5 280 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 568.84	V	59.63	37.44	-51.70	-	45.37	68.20	22.83
16 558.91	V	57.42	41.56	-45.35	-	53.63	68.20	14.57
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

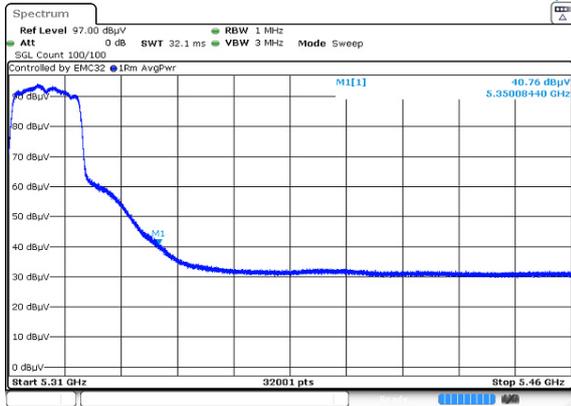
Highest Channel (5 320 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 350.08 ¹⁾	H	51.76	34.56	-26.84	-	59.48	74.00	14.52
10 631.73 ¹⁾	V	62.97	37.48	-51.73	-	48.72	74.00	25.28
16 750.45	H	57.60	41.75	-46.06	-	53.29	68.20	14.91
Average Data								
5 350.08 ¹⁾	H	40.76	34.56	-26.84	-	48.48	54.00	5.52

802.11ac VHT20 UNII-2A 2TX MIMO

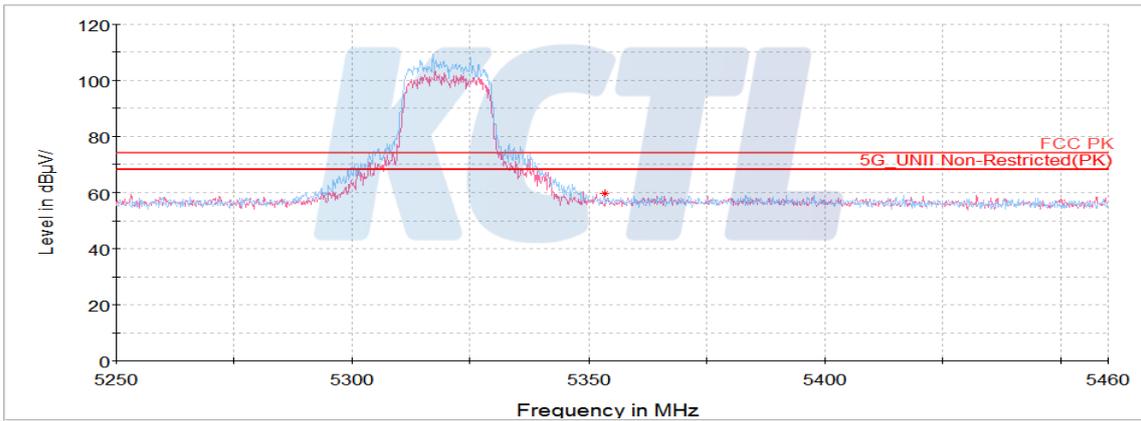
Highest Channel (5 320 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11ac VHT40 UNII-2A ANT1**Lowest Channel (5 270 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 545.48	V	57.73	37.43	-51.69	-	43.47	68.20	24.73
16 572.92	V	56.86	41.57	-45.40	-	53.03	68.20	15.17
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

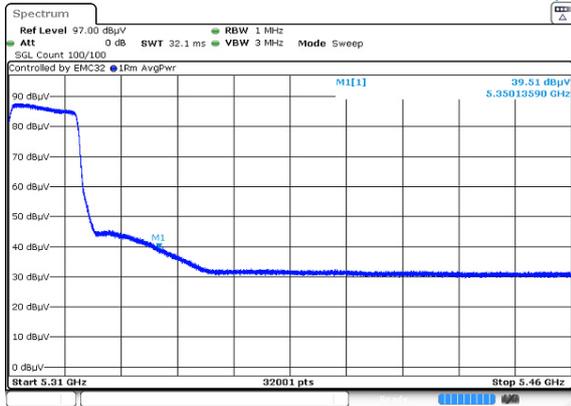
Highest Channel (5 310 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 350.14 ¹⁾	H	51.28	34.56	-26.84	-	59.00	74.00	15.00
10 620.95	H	59.52	37.47	-51.72	-	45.27	74.00	28.73
16 557.47	V	56.70	41.56	-45.35	-	52.91	68.20	15.29
Average Data								
5 350.14 ¹⁾	H	39.51	34.56	-26.84	-	47.23	54.00	6.77

802.11ac VHT40 UNII-2A ANT1

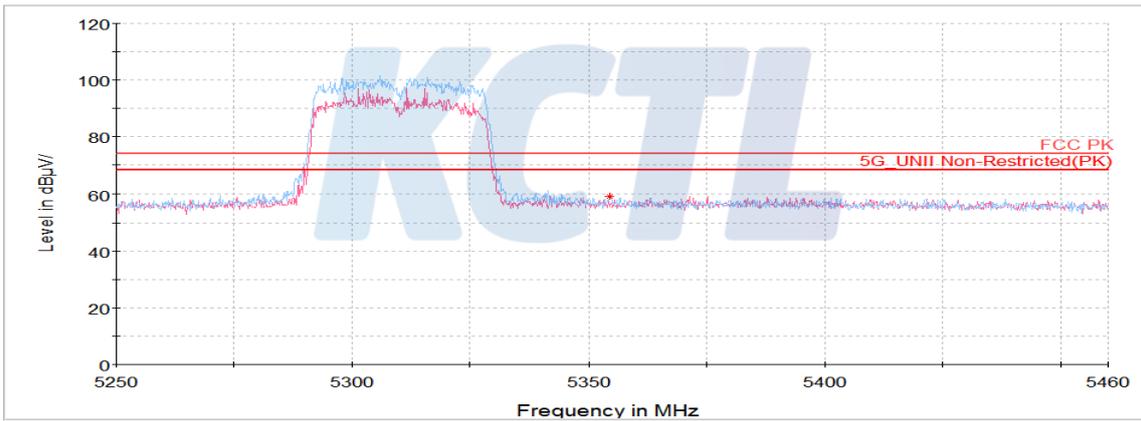
Highest Channel (5 310 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11ac VHT40 UNII-2A ANT2**Lowest Channel (5 270 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
10 540.81	H	58.50	37.42	-51.68	-	44.24	68.20	23.96
16 538.42	V	57.59	41.54	-45.28	-	53.85	68.20	14.35
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

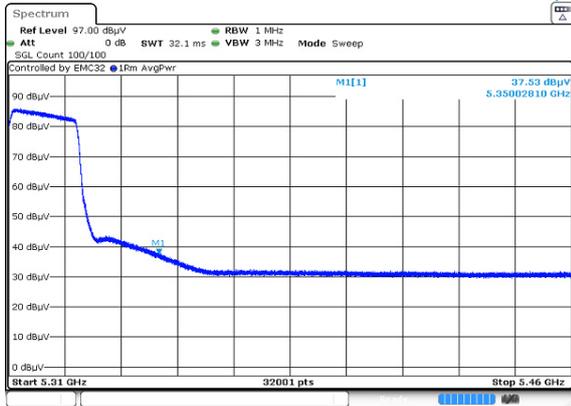
Highest Channel (5 310 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 350.03 ¹⁾	H	51.57	34.56	-26.84	-	59.29	74.00	14.71
10 626.70 ¹⁾	H	60.31	37.48	-51.73	-	46.06	74.00	27.94
16 558.55	V	56.51	41.54	-45.30	-	52.75	68.20	15.45
Average Data								
5 350.03 ¹⁾	H	37.53	34.56	-26.84	-	45.25	54.00	8.75

802.11ac VHT40 UNII-2A ANT2

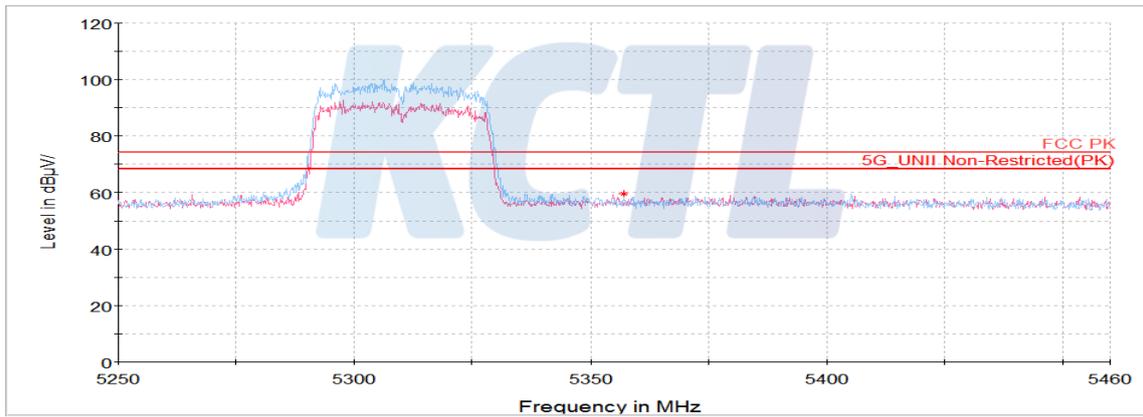
Highest Channel (5 310 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11ac VHT40 UNII-2A 2TX MIMO**Lowest Channel (5 270 MHz)**

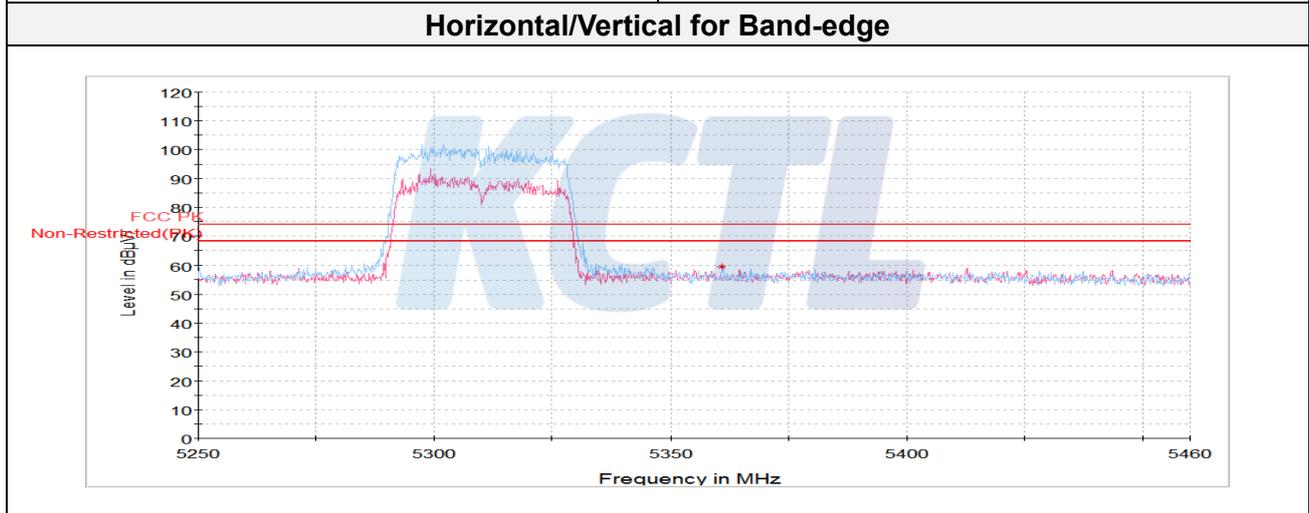
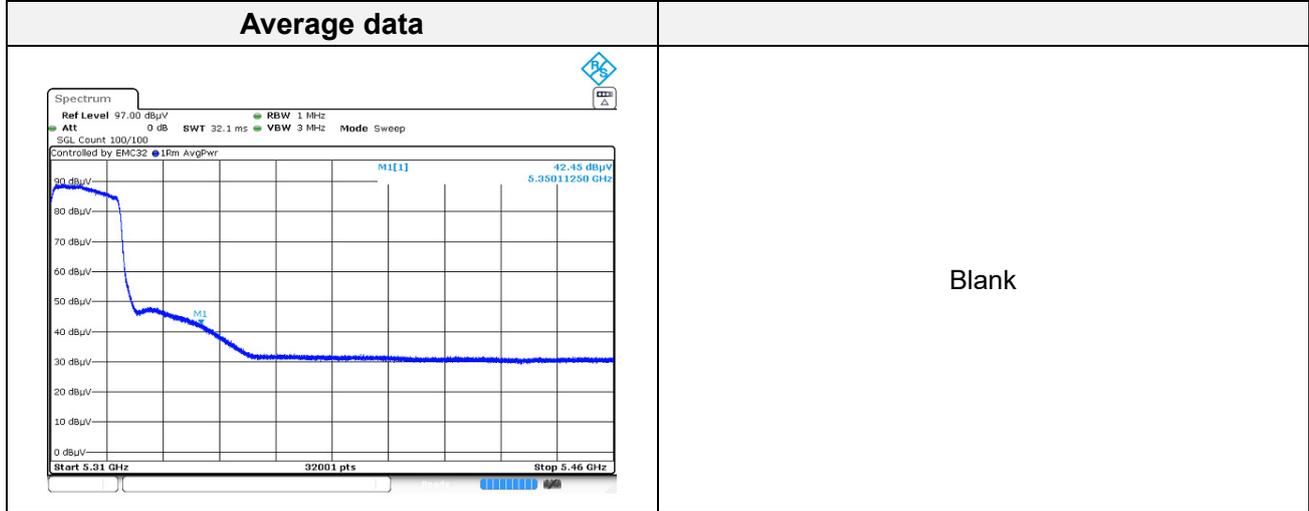
Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
10 547.28	V	58.93	37.43	-51.69	-	44.67	68.20	23.53
16 550.64	H	56.33	41.55	-45.32	-	52.56	68.20	15.64
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Highest Channel (5 310 MHz)

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
5 350.11 ¹⁾	H	51.56	34.56	-26.84	-	59.28	74.00	14.72
10 612.33 ¹⁾	V	60.11	37.47	-51.72	-	45.86	74.00	28.14
16 011.94 ¹⁾	H	57.16	41.02	-48.18	-	50.00	74.00	24.00
16 558.19	V	56.53	41.56	-45.35	-	52.74	68.20	15.46
Average Data								
5 350.11 ¹⁾	H	42.45	34.56	-26.84	-	50.17	54.00	3.83

802.11ac VHT40 UNII-2A 2TX MIMO

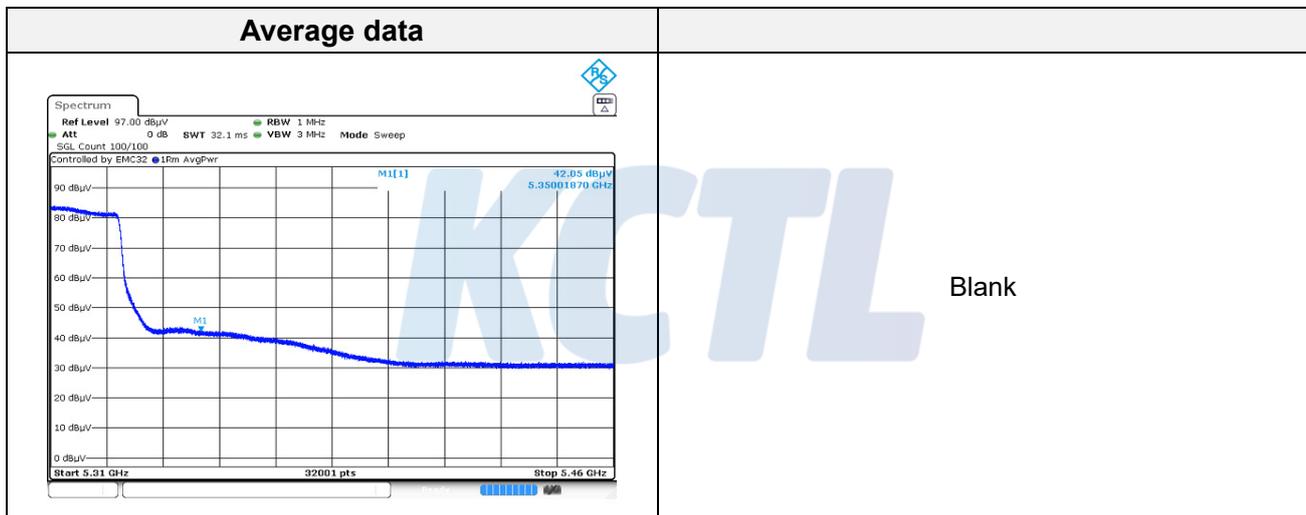
Highest Channel (5 310 MHz)



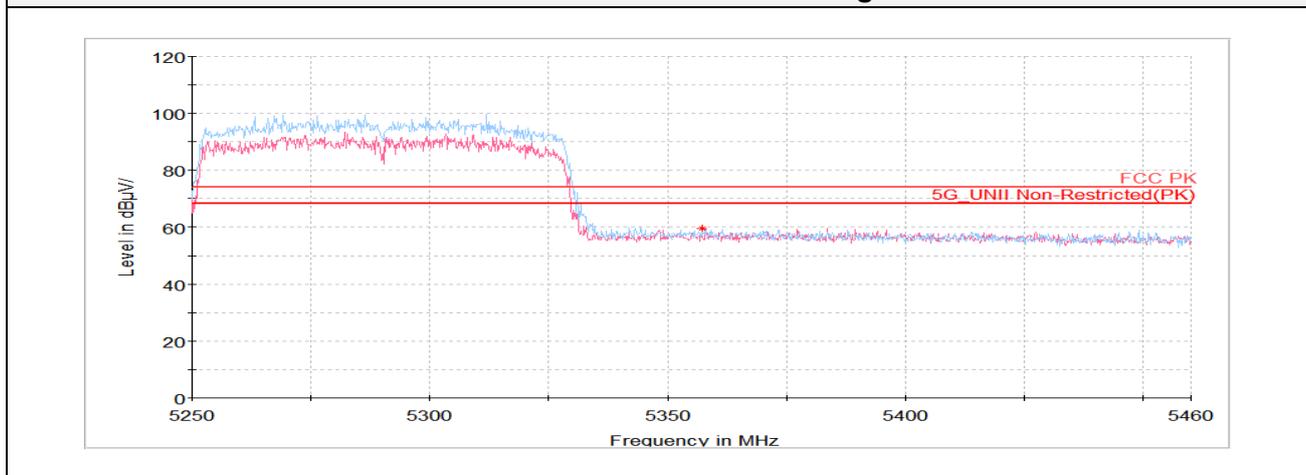
802.11ac VHT80 UNII-2A ANT1

Lowest Channel (5 290 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.02 ¹⁾	H	51.68	34.56	-26.84	-	59.40	74.00	14.60
10 580.34	H	59.47	37.45	-51.70	-	45.22	68.20	22.98
16 538.78	V	57.13	41.54	-45.28	-	53.39	68.20	14.81
Average Data								
5 350.02 ¹⁾	H	42.05	34.56	-26.84	-	49.77	54.00	4.23



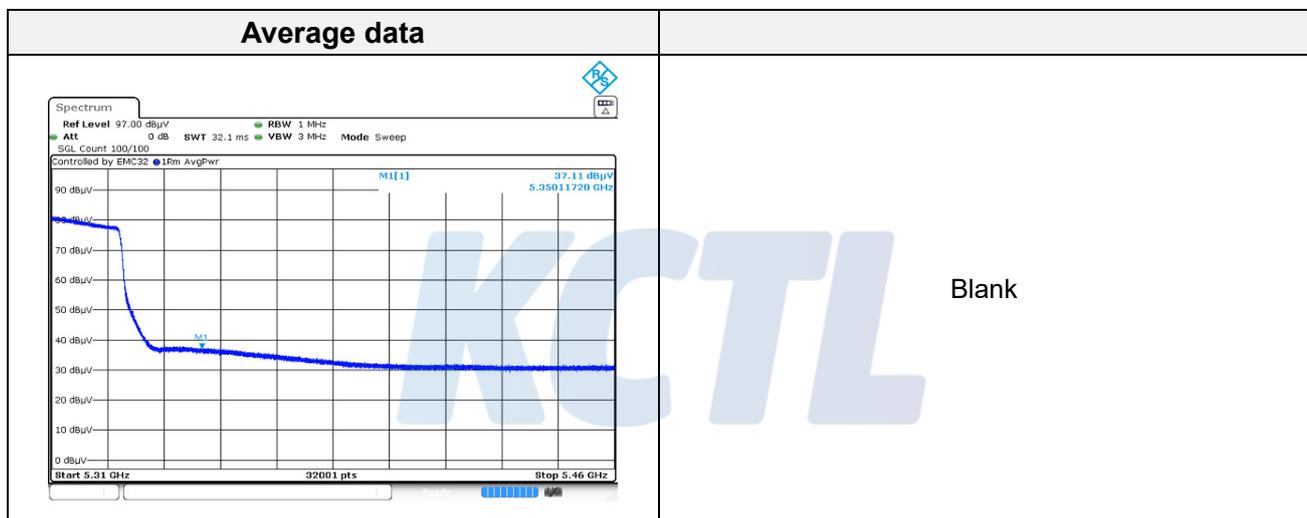
Horizontal/Vertical for Band-edge



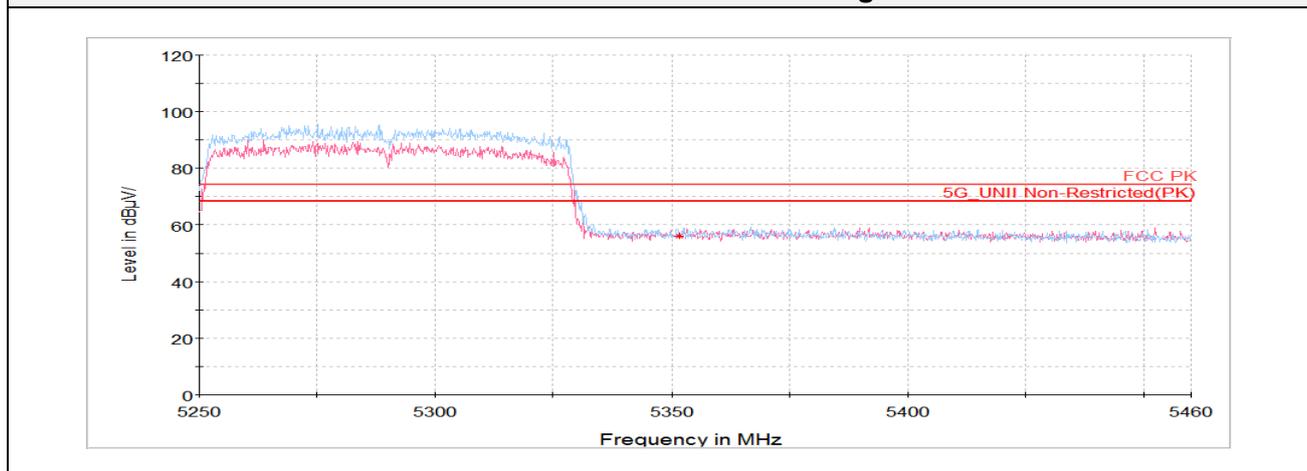
802.11ac VHT80 UNII-2A ANT2

Lowest Channel (5 290 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.12 ¹⁾	H	48.21	34.56	-26.84	-	55.93	74.00	18.07
11 858.28	V	61.43	38.43	-50.29	-	49.57	74.00	24.43
16 544.53	H	57.15	41.54	-45.30	-	53.39	68.20	14.81
Average Data								
5 350.12 ¹⁾	H	37.11	34.56	-26.84	-	44.83	54.00	9.17



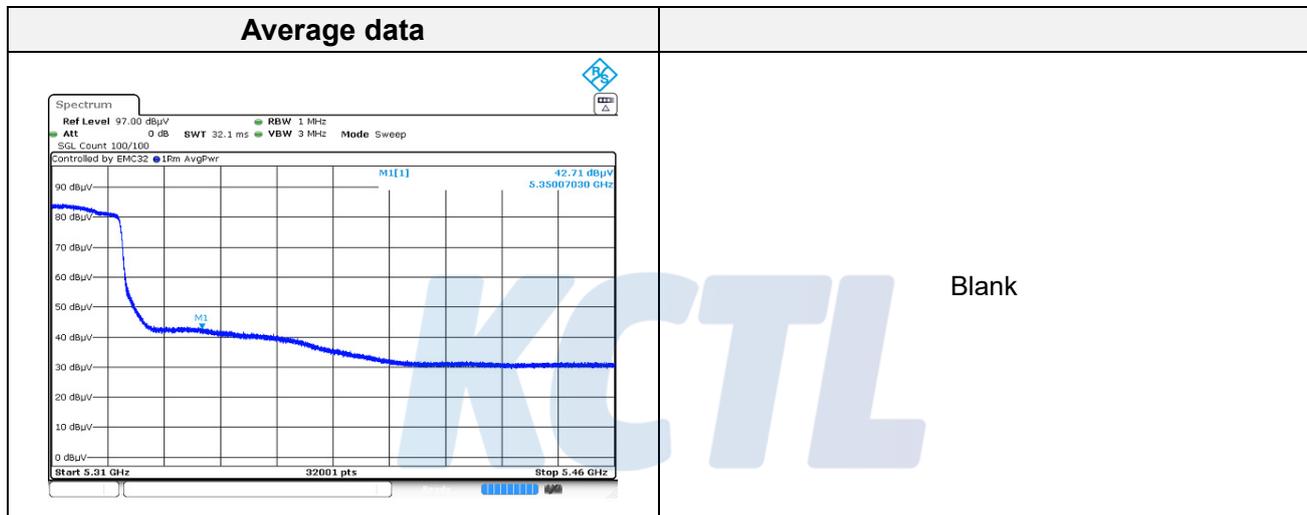
Horizontal/Vertical for Band-edge



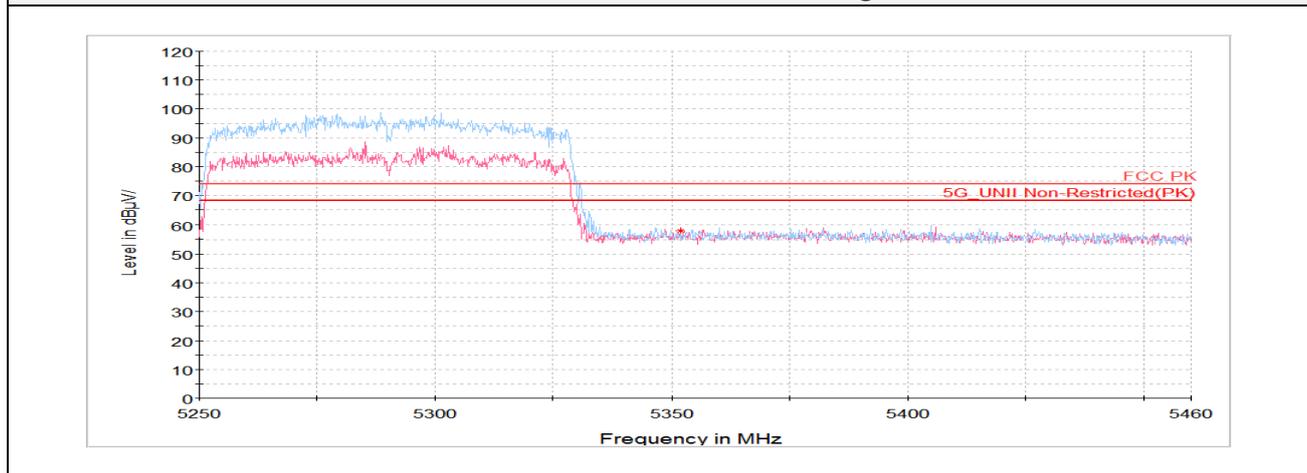
802.11ac VHT80 UNII-2A 2TX MIMO

Lowest Channel (5 290 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.07 ¹⁾	H	49.95	34.56	-26.84	-	57.67	74.00	16.33
16 567.53	H	57.61	41.57	-45.39	-	53.79	68.20	14.41
Average Data								
5 350.07 ¹⁾	H	42.71	34.56	-26.84	-	50.43	54.00	3.57



Horizontal/Vertical for Band-edge

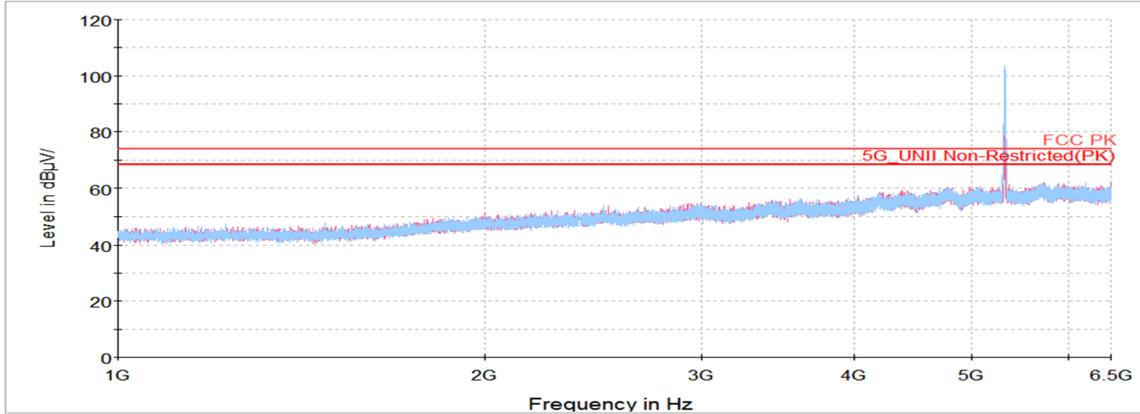


Plot of Harmonics and Spurious Emissions

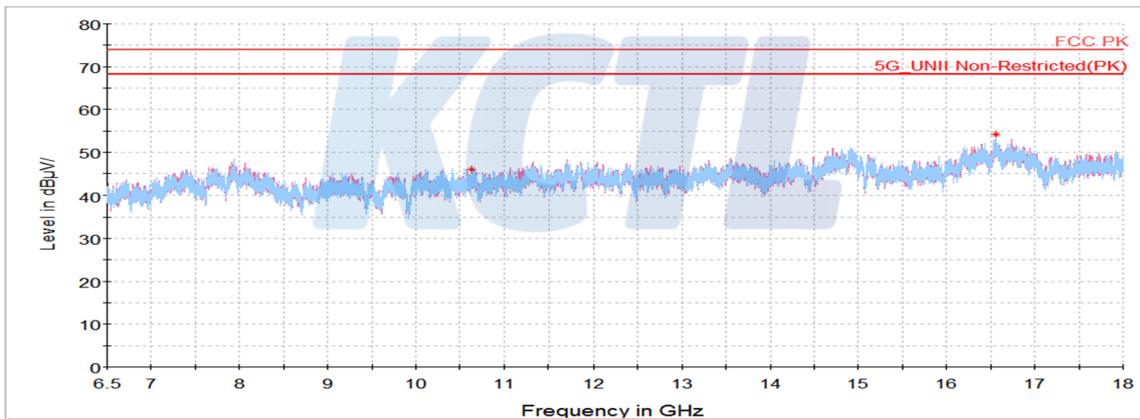
In order to simplify the report, attached plots were only the lowest margin condition

802.11a UNII-2A_ANT2_ Highest Channel (5 320 MHz)

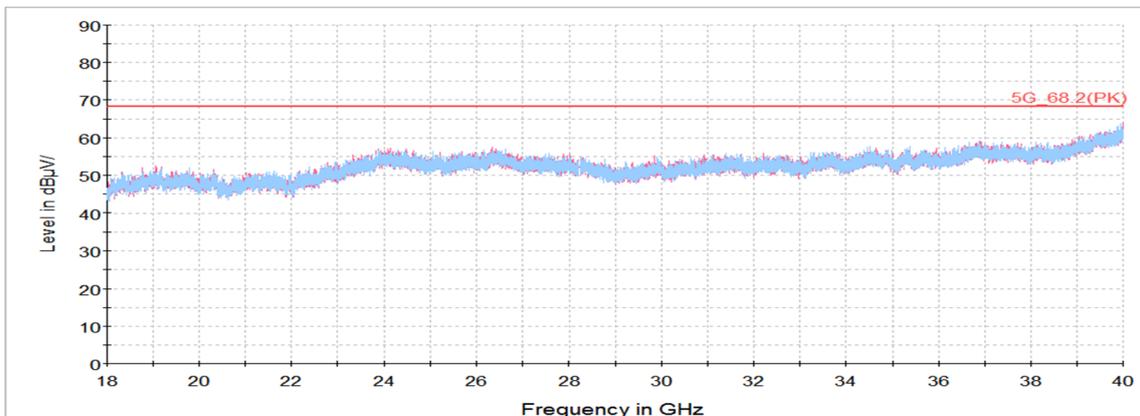
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



802.11a UNII-2C ANT1**Lowest Channel (5 500 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 459.97 ¹⁾	H	50.60	34.74	-27.35	-	57.99	74.00	16.01
11 004.41	V	59.10	37.70	-51.88	-	44.92	74.00	29.08
16 553.88	H	57.20	41.55	-45.33	-	53.42	68.20	14.78
Average Data								
5 459.97 ¹⁾	H	32.65	34.74	-27.35	-	40.04	54.00	13.96

Middle Channel (5 580 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
11 164.33 ¹⁾	V	59.37	37.80	-51.16	-	46.01	74.00	27.99
16 736.80	V	57.42	41.74	-46.01	-	53.15	68.20	15.05
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

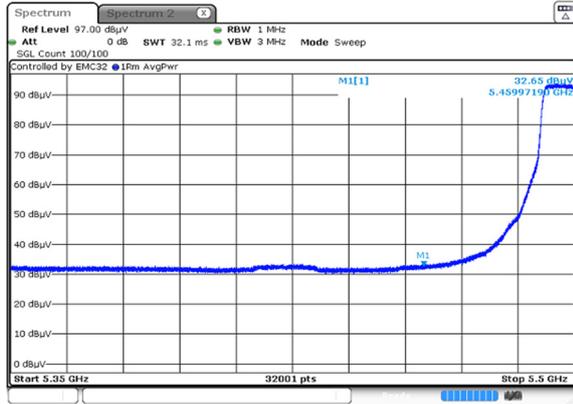
Highest Channel (5 700 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 737.73	V	50.89	35.09	-26.10	-	59.88	68.20	8.32
11 416.97 ¹⁾	V	58.18	37.95	-50.03	-	46.10	74.00	27.90
16 561.06	V	57.03	41.56	-45.36	-	53.23	68.20	14.97
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11a UNII-2C ANT1

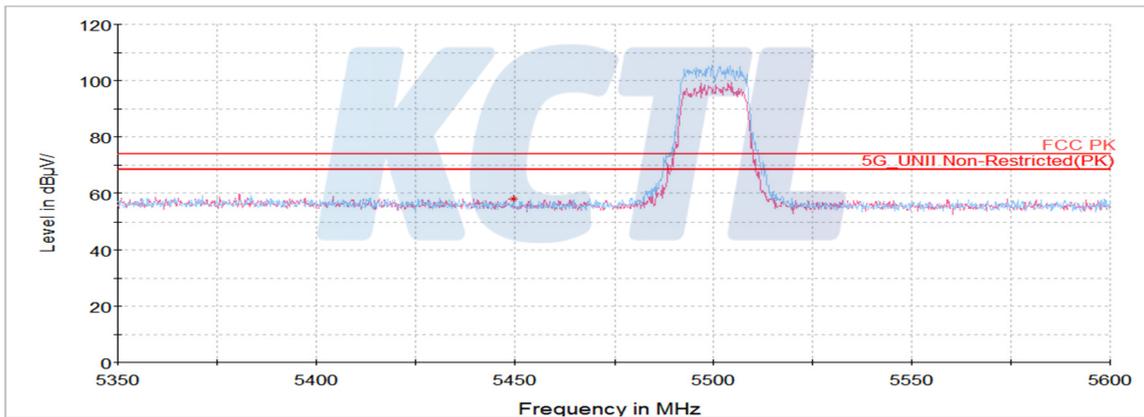
Lowest Channel (5 500 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11a UNII-2C ANT2**Lowest Channel (5 500 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 460.00 ¹⁾	V	51.78	34.74	-27.35	-	59.17	74.00	14.83
10 991.83 ¹⁾	V	59.19	37.70	-51.89	-	45.00	74.00	29.00
16 750.45	V	57.54	41.75	-46.06	-	53.23	68.20	14.97
Average Data								
5 460.00 ¹⁾	V	31.45	34.74	-27.35	-	38.84	54.00	15.16

Middle Channel (5 580 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
11 161.45 ¹⁾	V	59.63	37.80	-51.17	-	46.26	74.00	27.74
16 885.58	V	57.76	41.89	-46.55	-	53.10	68.20	15.10
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

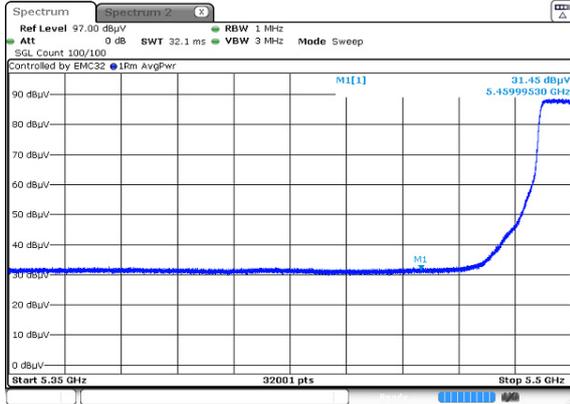
Highest Channel (5 700 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 728.97	H	50.90	35.07	-25.97	-	60.00	68.20	8.20
11 402.95 ¹⁾	V	59.30	37.94	-50.09	-	47.15	74.00	26.85
16 559.98	V	58.33	41.56	-45.36	-	54.53	68.20	13.67
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11a UNII-2C ANT2

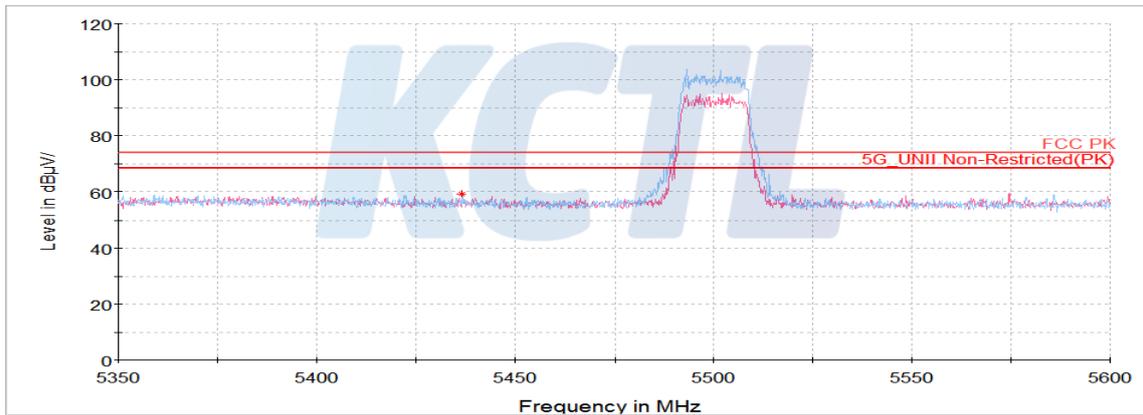
Lowest Channel (5 500 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11a UNII-2C 2TX MIMO**Lowest Channel (5 500 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 459.99 ¹⁾	H	51.27	34.74	-27.35	-	58.66	74.00	15.34
10 993.63	V	60.01	37.70	-51.89	-	45.82	74.00	28.18
16 565.73	H	57.42	41.57	-45.38	-	53.61	68.20	14.59
Average Data								
5 459.99 ¹⁾	H	31.92	34.74	-27.35	-	39.31	54.00	14.69

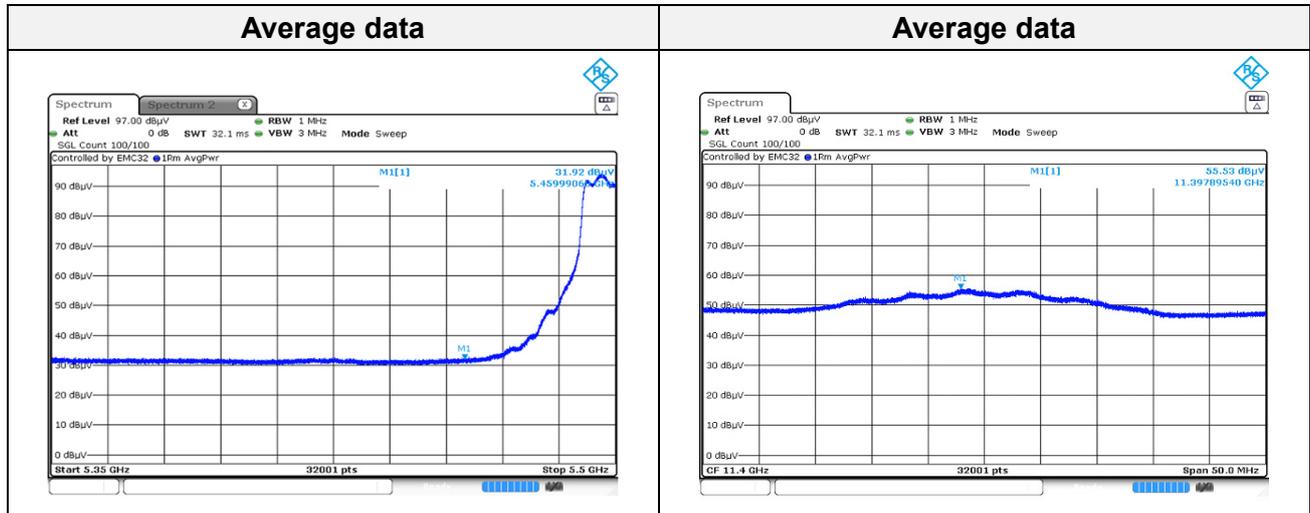
Middle Channel (5 580 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
11 158.94 ¹⁾	V	59.97	37.80	-51.19	-	46.58	74.00	27.42
16 561.42	H	57.10	41.56	-45.36	-	53.30	68.20	14.90
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

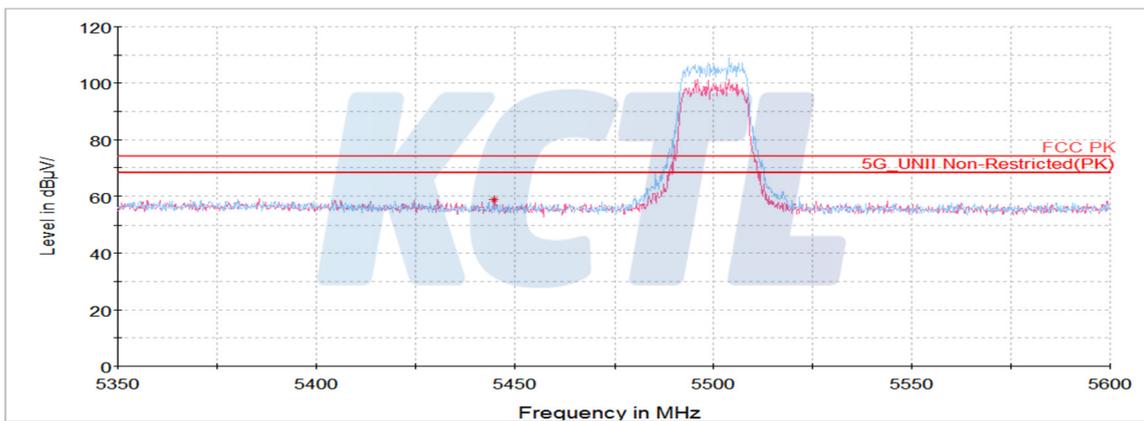
Highest Channel (5 700 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 734.64	H	50.71	35.08	-26.05	-	59.74	68.20	8.46
11 397.90 ¹⁾	V	65.12	37.94	-50.12	-	52.94	74.00	21.06
16 558.19	V	57.44	41.56	-45.35	-	53.65	74.00	20.35
Average Data								
11 397.90 ¹⁾	V	55.53	37.94	-50.12	-	43.35	54.00	10.65

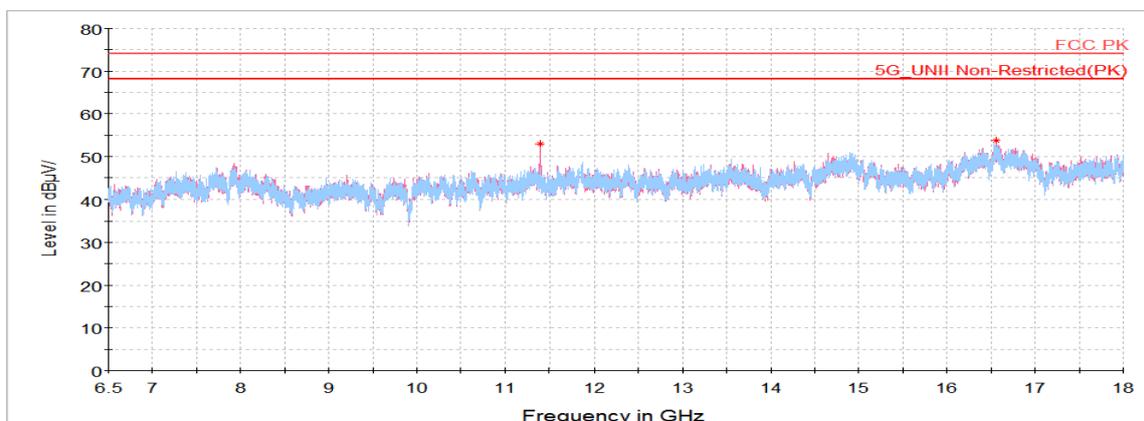
802.11a UNII-2C 2TX MIMO



Horizontal/Vertical for Band-edge_ Lowest Channel (5 500 MHz)



Horizontal/Vertical for 6.5 GHz ~ 18 GHz_ Highest Channel (5 700 MHz)



802.11 HT20 UNII-2C ANT1**Lowest Channel (5 500 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 459.95 ¹⁾	H	49.69	34.74	-27.35	-	57.08	74.00	16.92
11 041.42 ¹⁾	H	60.06	37.72	-51.71	-	46.07	74.00	27.93
16 569.33	V	56.13	41.57	-45.39	-	52.31	68.20	15.89
Average Data								
5 459.95 ¹⁾	H	33.18	34.74	-27.35	-	40.57	54.00	13.43

Middle Channel (5 580 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
11 163.97 ¹⁾	V	58.20	37.80	-51.16	-	44.84	74.00	29.16
16 542.02	H	56.99	41.54	-45.29	-	53.24	68.20	14.96
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

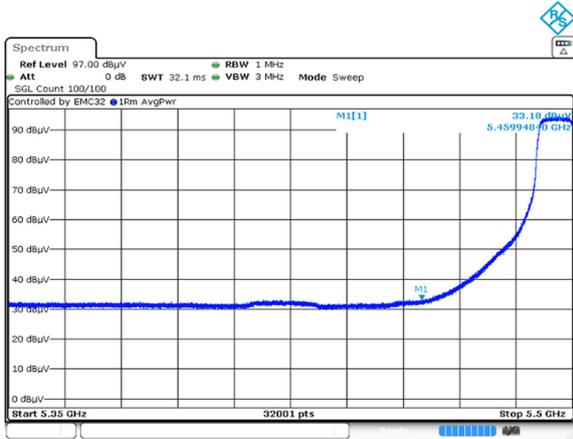
Highest Channel (5 700 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 727.42	H	51.88	35.07	-25.95	-	61.00	68.20	7.20
11 417.33 ¹⁾	H	57.88	37.95	-50.03	-	45.80	74.00	28.20
16 546.69	H	56.99	41.55	-45.31	-	53.23	68.20	14.97
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11 HT20 UNII-2C ANT1

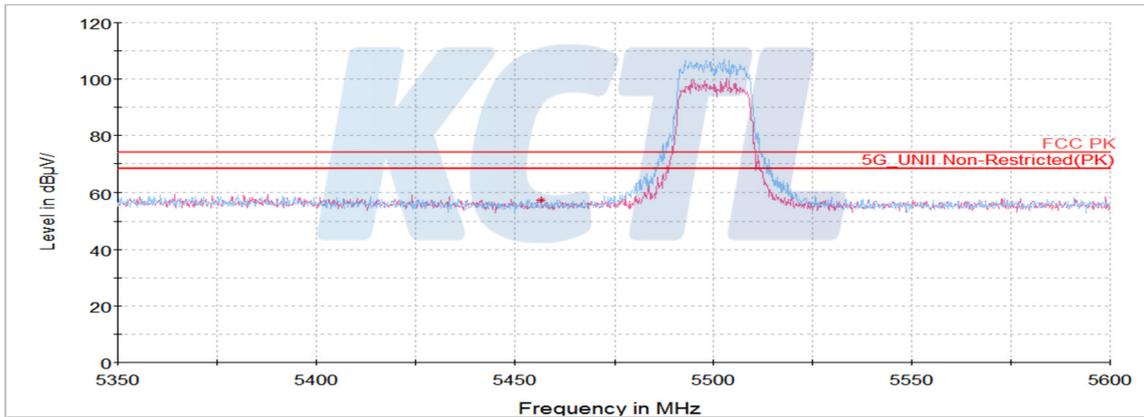
Lowest Channel (5 500 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11 HT20 UNII-2C ANT2**Lowest Channel (5 500 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 459.91 ¹⁾	V	50.68	34.74	-27.35	-	58.07	74.00	15.93
10 999.02 ¹⁾	V	59.45	37.70	-51.90	-	45.25	74.00	28.75
16 563.94	H	56.77	41.56	-45.37	-	52.96	68.20	15.24
Average Data								
5 459.91 ¹⁾	V	31.22	34.74	-27.35	-	38.61	54.00	15.39

Middle Channel (5 580 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
11 157.50 ¹⁾	V	59.36	37.79	-51.19	-	45.96	74.00	28.04
16 685.41	H	57.52	41.69	-45.82	-	53.39	68.20	14.81
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Highest Channel (5 700 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 726.39	V	50.98	35.07	-25.94	-	60.11	68.20	8.09
11 407.63 ¹⁾	V	59.10	37.94	-50.07	-	46.97	74.00	27.03
16 581.19	V	57.00	41.58	-45.44	-	53.14	68.20	15.06
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11 HT20 UNII-2C ANT2

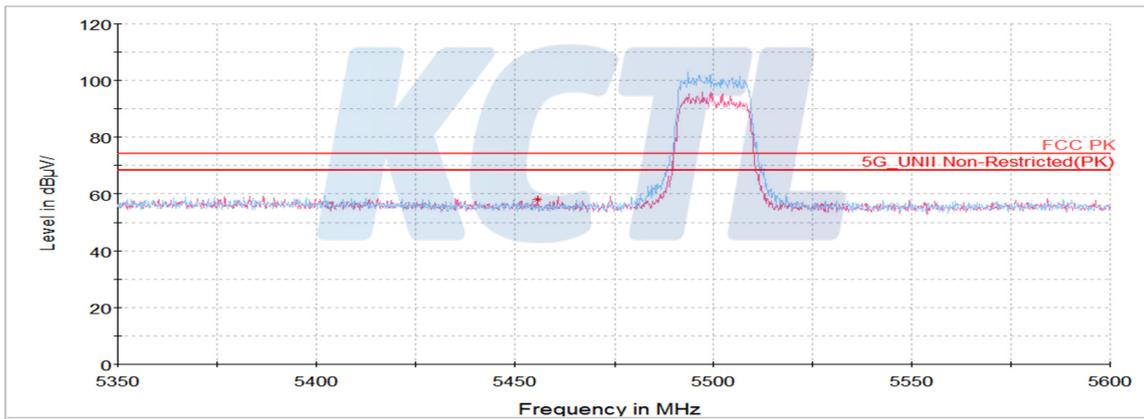
Lowest Channel (5 500 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11 HT20 UNII-2C 2TX MIMO**Lowest Channel (5 500 MHz)**

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
5 459.99 ¹⁾	V	52.00	34.74	-27.35	-	59.39	74.00	14.61
11 020.58 ¹⁾	V	57.62	37.71	-51.81	-	43.52	74.00	30.48
16 558.91	V	57.94	41.56	-45.35	-	54.15	68.20	14.05
Average Data								
5 459.99 ¹⁾	V	32.88	34.74	-27.35	-	40.27	54.00	13.73

Middle Channel (5 580 MHz)

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
11 160.73 ¹⁾	H	58.75	37.80	-51.18	-	45.37	74.00	28.63
16 570.05	H	57.21	41.57	-45.39	-	53.39	68.20	14.81
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

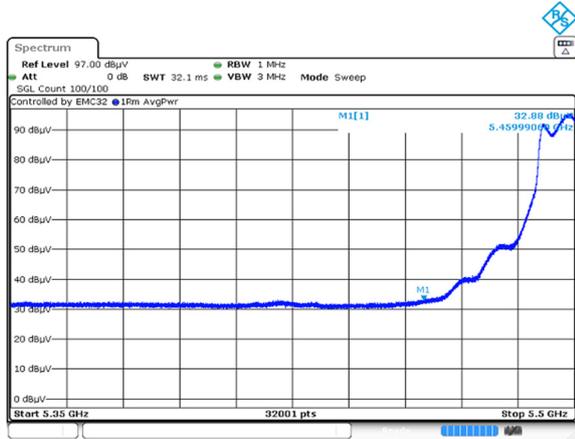
Highest Channel (5 700 MHz)

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
5 726.05	V	50.61	35.07	-25.93	-	59.75	68.20	8.45
11 402.59 ¹⁾	V	56.66	37.94	-50.10	-	44.50	74.00	29.50
16 547.05	H	56.79	41.55	-45.31	-	53.03	68.20	15.17
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11 HT20 UNII-2C 2TX MIMO

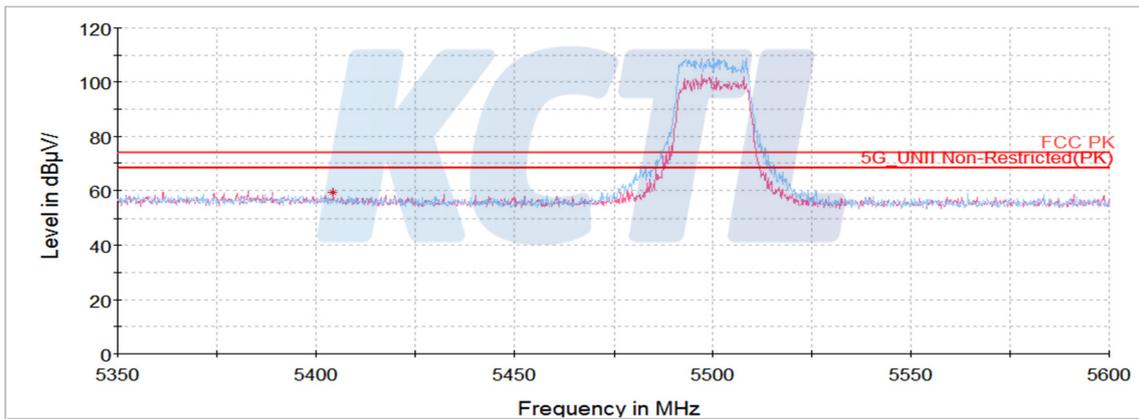
Lowest Channel (5 500 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11 HT40 UNII-2C ANT1**Lowest Channel (5 510 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 459.85 ¹⁾	H	51.97	34.74	-27.35	-	59.36	74.00	14.64
11 021.66 ¹⁾	H	57.95	37.71	-51.80	-	43.86	74.00	30.14
16 537.70	H	56.23	41.54	-45.28	-	52.49	68.20	15.71
Average Data								
5 459.85 ¹⁾	H	40.63	34.74	-27.35	-	48.02	54.00	5.98

Middle Channel (5 590 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
11 167.56 ¹⁾	H	58.44	37.80	-51.15	-	45.09	74.00	28.91
16 573.64	H	56.56	41.57	-45.41	-	52.72	68.20	15.48
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

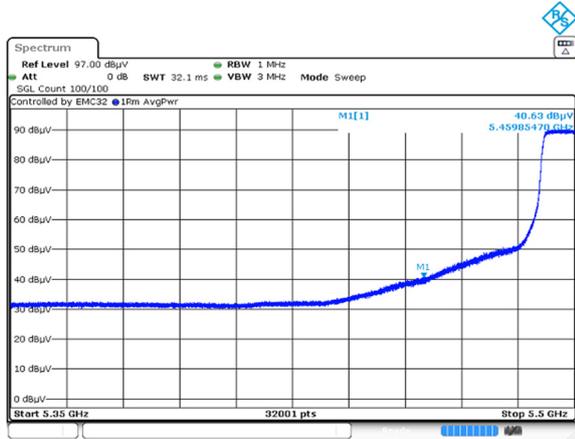
Highest Channel (5 670 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 731.20	V	50.73	35.08	-26.01	-	59.80	68.20	8.40
11 339.70 ¹⁾	H	59.85	37.90	-50.38	-	47.37	74.00	26.63
16 690.80	V	57.51	41.69	-45.84	-	53.36	68.20	14.84
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11 HT40 UNII-2C ANT1

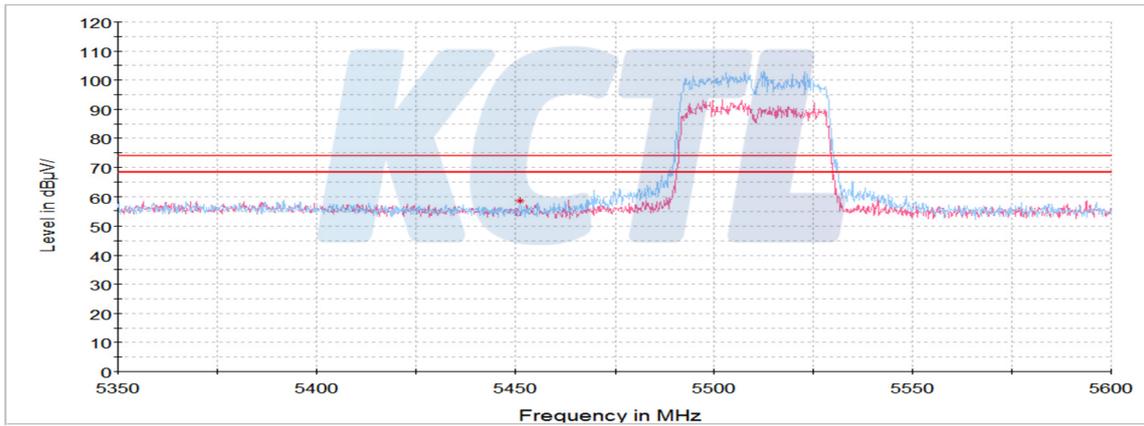
Lowest Channel (5 510 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11 HT40 UNII-2C ANT2**Lowest Channel (5 510 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 459.97 ¹⁾	V	49.55	34.74	-27.35	-	56.94	74.00	17.06
11 016.63 ¹⁾	V	58.60	37.71	-51.82	-	44.49	74.00	29.51
16 552.08	H	57.53	41.55	-45.33	-	53.75	68.20	14.45
Average Data								
5 459.97 ¹⁾	V	34.38	34.74	-27.35	-	41.77	54.00	12.23

Middle Channel (5 590 MHz)

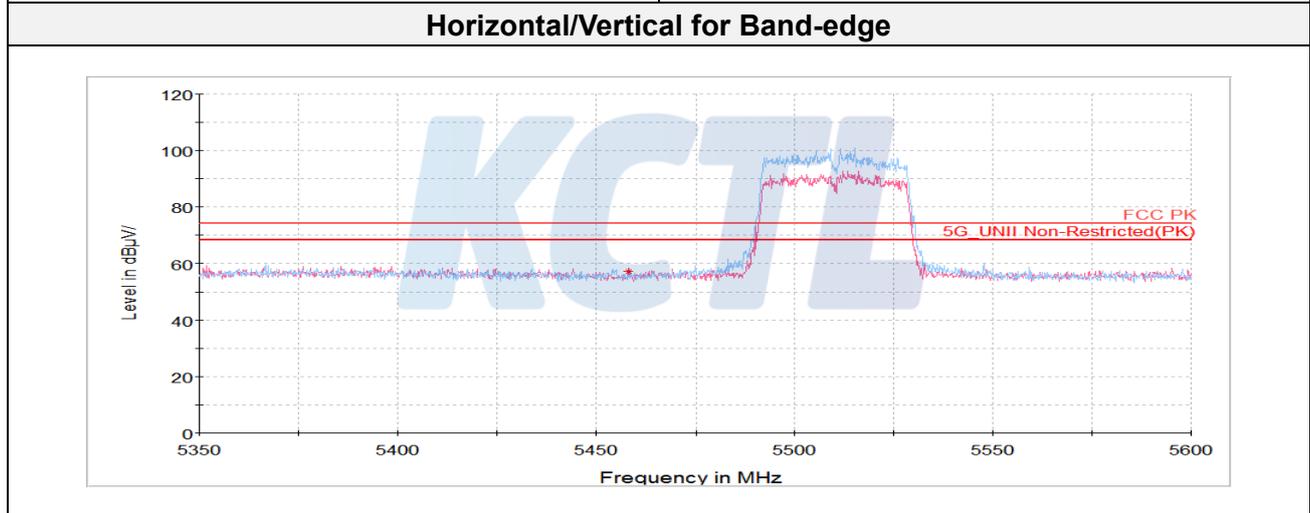
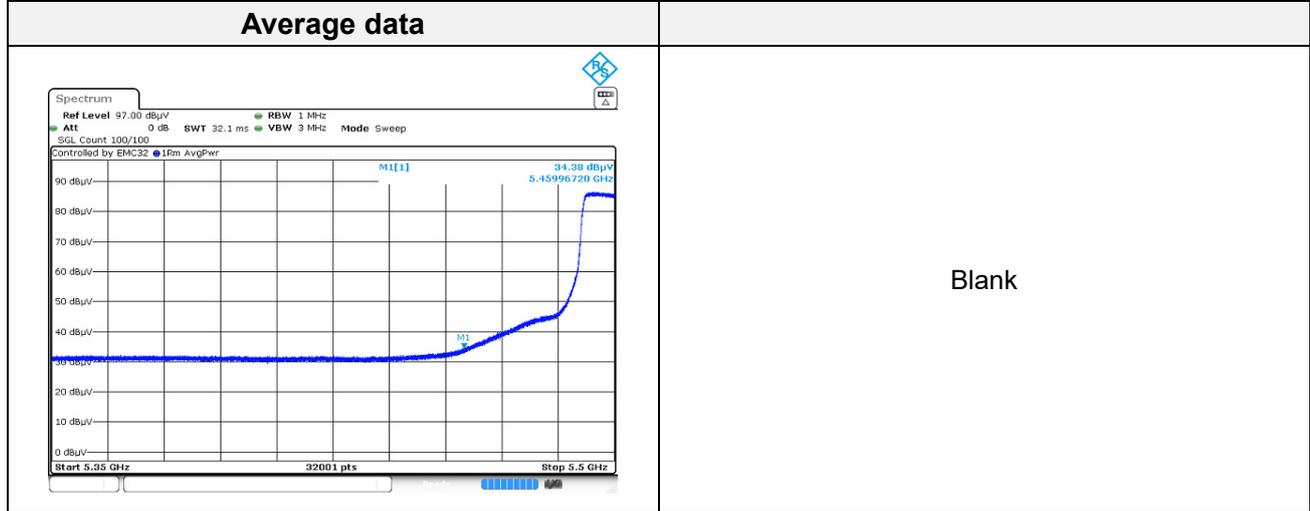
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
11 194.52 ¹⁾	V	58.04	37.82	-51.03	-	44.83	74.00	29.17
16 536.27	V	56.88	41.54	-45.27	-	53.15	68.20	15.05
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Highest Channel (5 670 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 727.25	V	49.80	35.07	-25.95	-	58.92	68.20	9.28
11 340.78 ¹⁾	V	59.83	37.90	-50.37	-	47.36	74.00	26.64
16 784.59	H	57.48	41.78	-46.18	-	53.08	68.20	15.12
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11 HT40 UNII-2C ANT2

Lowest Channel (5 510 MHz)



802.11 HT40 UNII-2C 2TX MIMO**Lowest Channel (5 510 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 459.89 ¹⁾	H	51.13	34.74	-27.35	-	58.52	74.00	15.48
11 043.58 ¹⁾	V	61.09	37.73	-51.70	-	47.12	74.00	26.88
16 566.81	H	57.19	41.57	-45.38	-	53.38	68.20	14.82
Average Data								
5 459.89 ¹⁾	H	41.36	34.74	-27.35	-	48.75	54.00	5.25

Middle Channel (5 590 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
11 185.17 ¹⁾	V	56.25	37.81	-51.07	-	42.99	74.00	31.01
16 550.64	V	56.70	41.55	-45.32	-	52.93	68.20	15.27
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Highest Channel (5 670 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 725.36	H	51.49	35.07	-25.92	-	60.64	68.20	7.56
11 340.78 ¹⁾	V	59.27	37.90	-50.37	-	46.80	74.00	27.20
16 585.86	V	57.80	41.59	-45.45	-	53.94	68.20	14.26
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11 HT40 UNII-2C 2TX MIMO

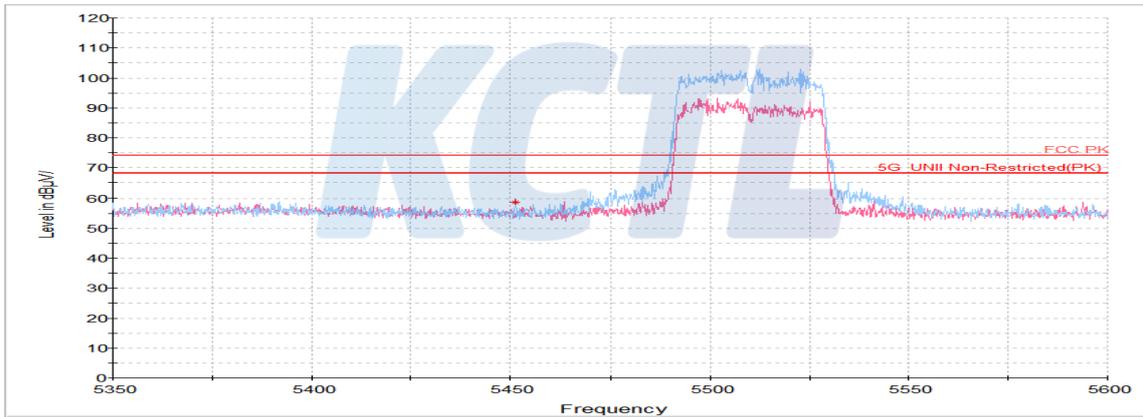
Lowest Channel (5 510 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11ac VHT20 UNII-2C ANT1**Lowest Channel (5 500 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 459.98 ¹⁾	H	50.34	34.74	-27.35	-	57.73	74.00	16.27
11 057.95 ¹⁾	V	59.96	37.73	-51.64	-	46.05	74.00	27.95
16 554.95	H	56.90	41.55	-45.34	-	53.11	68.20	15.09
Average Data								
5 459.98 ¹⁾	H	33.03	34.74	-27.35	-	40.42	54.00	13.58

Middle Channel (5 580 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
11 607.80 ¹⁾	H	59.35	38.13	-49.85	-	47.63	74.00	26.37
16 413.36	V	57.00	41.83	-45.68	-	53.15	68.20	15.05
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Highest Channel (5 700 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 743.58	V	51.25	35.09	-26.18	-	60.16	68.20	8.04
11 418.05 ¹⁾	H	58.09	37.95	-50.03	-	46.01	74.00	27.99
16 569.33	H	57.94	41.57	-45.39	-	54.12	68.20	14.08
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT20 UNII-2C ANT1

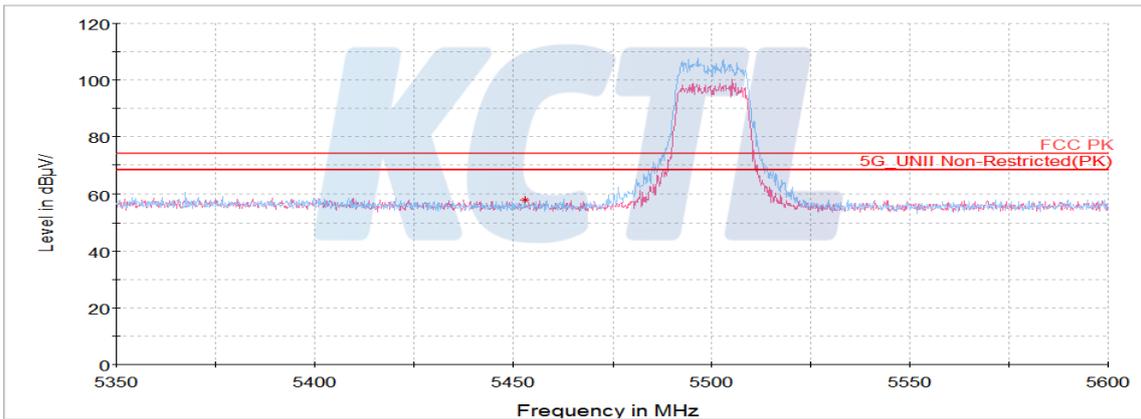
Lowest Channel (5 500 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11ac VHT20 UNII-2C ANT2**Lowest Channel (5 500 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 459.95 ¹⁾	H	50.52	34.74	-27.35	-	57.91	74.00	16.09
10 996.50 ¹⁾	H	59.36	37.70	-51.90	-	45.16	74.00	28.84
16 543.81	H	56.93	41.54	-45.30	-	53.17	68.20	15.03
Average Data								
5 459.95 ¹⁾	H	31.60	34.74	-27.35	-	38.99	54.00	15.01

Middle Channel (5 580 MHz)

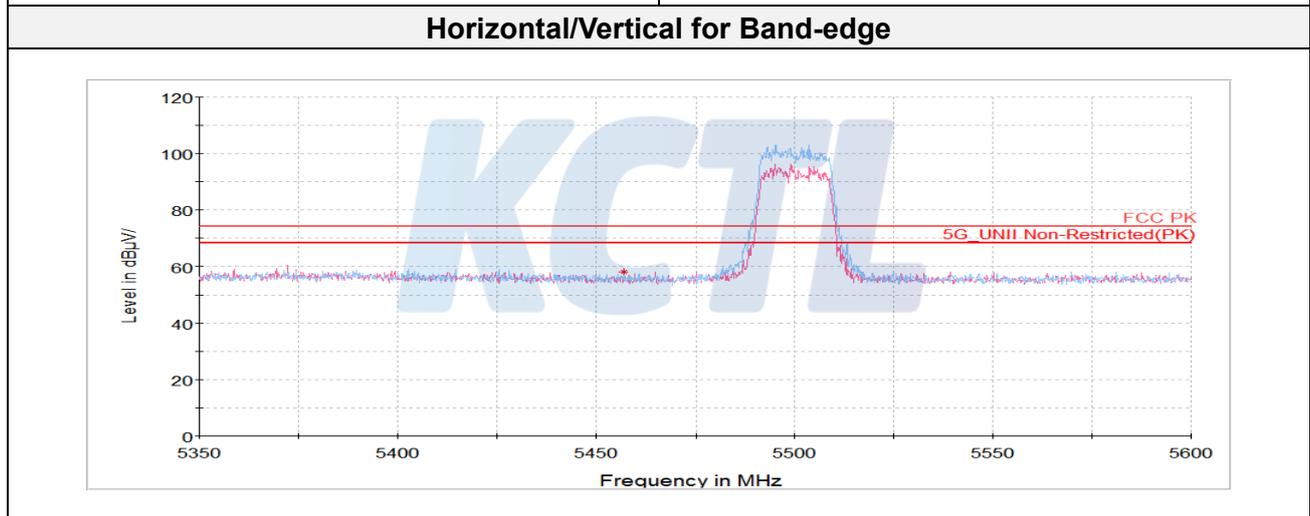
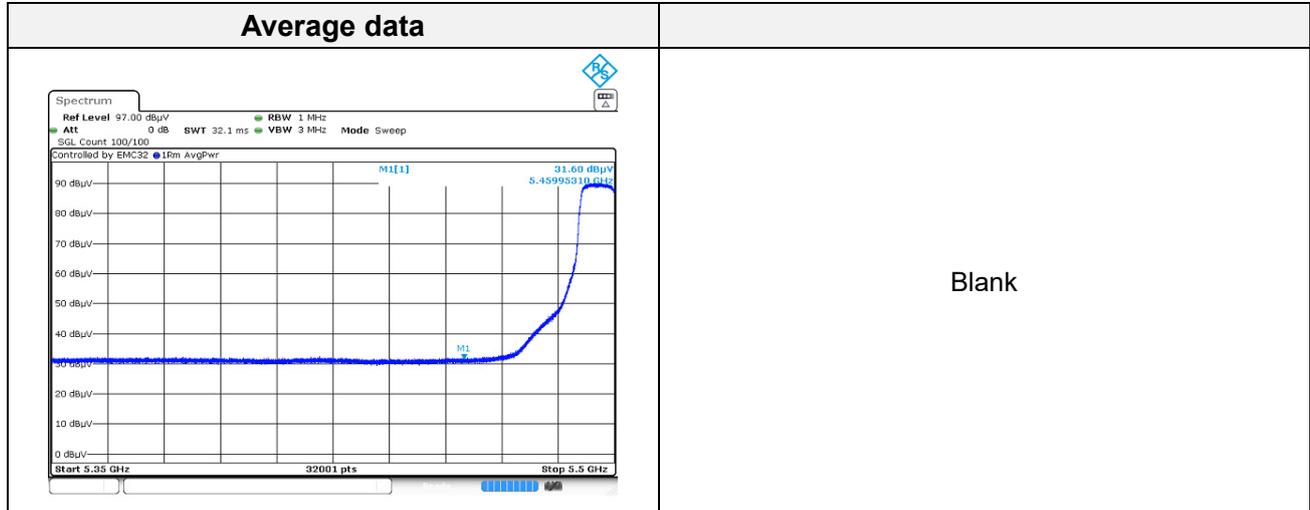
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
11 160.02 ¹⁾	V	59.47	37.80	-51.18	-	46.09	74.00	27.91
16 560.70	H	56.82	41.56	-45.36	-	53.02	68.20	15.18
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Highest Channel (5 700 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 725.53	H	50.18	35.07	-25.92	-	59.33	68.20	8.87
11 410.14 ¹⁾	V	60.45	37.95	-50.06	-	48.34	74.00	25.66
16 575.08	V	57.06	41.58	-45.41	-	53.23	68.20	14.97
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT20 UNII-2C ANT2

Lowest Channel (5 500 MHz)



802.11ac VHT20 UNII-2C 2TX MIMO**Lowest Channel (5 500 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 459.89 ¹⁾	V	49.11	34.74	-27.35	-	56.50	74.00	17.50
10 980.33 ¹⁾	H	60.81	37.69	-51.89	-	46.61	74.00	27.39
16 555.67	H	57.25	41.56	-45.34	-	53.47	68.20	14.73
Average Data								
5 459.89 ¹⁾	V	32.78	34.74	-27.35	-	40.17	54.00	13.83

Middle Channel (5 580 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
11 165.77 ¹⁾	H	58.35	37.80	-51.16	-	44.99	74.00	29.01
16 582.98	H	56.37	41.58	-45.44	-	52.51	68.20	15.69
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Highest Channel (5 700 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 697.34	H	50.96	35.04	-25.62	-	60.38	68.20	7.82
11 413.73 ¹⁾	H	58.44	37.95	-50.05	-	46.34	74.00	27.66
16 962.48	V	58.71	41.96	-46.84	-	53.83	68.20	14.37
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

802.11ac VHT20 UNII-2C 2TX MIMO

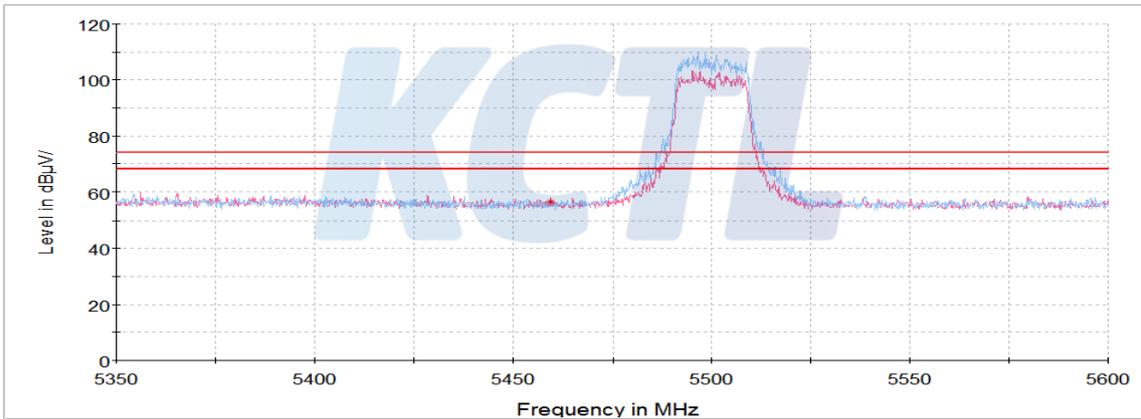
Lowest Channel (5 500 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11ac VHT40 UNII-2C ANT1**Lowest Channel (5 510 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 459.99 ¹⁾	H	49.56	34.74	-27.35	-	56.95	74.00	17.05
11 016.63	H	57.49	37.71	-51.82	-	43.38	74.00	30.62
16 550.28	H	56.35	41.55	-45.32	-	52.58	68.20	15.62
Average Data								
5 459.99 ¹⁾	H	32.67	34.74	-27.35	-	40.06	54.00	13.94

Middle Channel (5 590 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
11 173.67 ¹⁾	H	58.06	37.80	-51.12	-	44.74	74.00	29.26
16 554.95	V	56.71	41.55	-45.34	-	52.92	74.00	21.08
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Highest Channel (5 670 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 725.36	V	50.79	35.07	-25.92	-	59.94	74.00	14.06
11 340.78 ¹⁾	H	59.65	37.90	-50.37	-	47.18	74.00	26.82
16 545.97	H	56.74	41.55	-45.31	-	52.98	74.00	21.02
Average Data								
No spurious emissions were detected within 20 dB of the limit.								