

UNII-1 1Tx (SISO) Harmonics and Spurious Emissions

802.11ax_HE20 SU mode_ANT 1 Lowest Channel (5 180 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								
10 300.39	H	61.25	37.20	-52.11	-	46.34	68.20	21.86
16 561.78	H	56.93	41.56	-45.36	-	53.13	68.20	15.07
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 1 Middle Channel (5 200 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								
10 415.75	H	60.23	37.32	-51.85	-	45.70	68.20	22.50
16 568.25	H	57.54	41.57	-45.39	-	53.72	68.20	14.48
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 1 Highest Channel (5 240 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								
10 485.83	V	58.83	37.39	-51.70	-	44.52	68.20	23.68
16 584.06	H	56.83	41.58	-45.45	-	52.96	68.20	15.24
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 2 Lowest Channel (5 180 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								
10 352.50	V	59.47	37.25	-52.00	-	44.72	68.20	23.48
16 543.81	H	57.65	41.54	-45.30	-	53.89	68.20	14.31
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 2 Middle Channel (5 200 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								
10 406.77	H	59.41	37.31	-51.88	-	44.84	68.20	23.36
16 562.86	H	57.20	41.56	-45.37	-	53.39	68.20	14.81
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 2 Highest Channel (5 240 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								
10 470.73	V	59.17	37.37	-51.73	-	44.81	68.20	23.39
16 558.19	V	57.09	41.56	-45.35	-	53.30	68.20	14.90
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_ANT 1 Lowest Channel (5 190 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								
10 312.25	V	61.92	37.21	-52.09	-	47.04	68.20	21.16
16 861.50	H	57.43	41.86	-46.47	-	52.82	68.20	15.38
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_ANT 1 Highest Channel (5 230 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								
10 448.45	V	59.77	37.35	-51.78	-	45.34	68.20	22.86
16 538.06	H	56.76	41.54	-45.28	-	53.02	68.20	15.18
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_ANT 2 Lowest Channel (5 190 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								
10 352.86	V	59.36	37.25	-52.00	-	44.61	68.20	23.59
16 418.39	V	56.91	41.84	-45.65	-	53.10	68.20	15.10
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_ANT 2 Highest Channel (5 230 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								
10 420.78	H	59.69	37.32	-51.84	-	45.17	68.20	23.03
16 543.09	H	57.01	41.54	-45.30	-	53.25	68.20	14.95
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE80 SU mode_ANT 1 Middle Channel (5 210 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								
10 417.19	H	59.71	37.32	-51.85	-	45.18	68.20	23.02
16 574.36	H	57.17	41.57	-45.41	-	53.33	68.20	14.87
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE80 SU mode_ANT 2 Middle Channel (5 210 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								
10 418.27	V	59.91	37.32	-51.85	-	45.38	68.20	22.82
16 556.75	V	57.54	41.56	-45.35	-	53.75	68.20	14.45
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 1 Lowest Channel (5 180 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								
10 355.38	H	59.09	37.26	-51.99	-	44.36	68.20	23.84
16 571.84	V	56.90	41.57	-45.40	-	53.07	68.20	15.13
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 1 Middle Channel (5 200 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								
10 405.69	H	59.55	37.31	-51.88	-	44.98	68.20	23.22
16 551.72	H	57.36	41.55	-45.33	-	53.58	68.20	14.62
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 1 Highest Channel (5 240 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								
10 486.55	V	59.02	37.39	-51.70	-	44.71	68.20	23.49
16 553.88	V	57.63	41.55	-45.33	-	53.85	68.20	14.35
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 2 Lowest Channel (5 180 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								
10 355.73	H	58.93	37.26	-51.99	-	44.20	68.20	24.00
16 567.17	V	57.02	41.57	-45.38	-	53.21	68.20	14.99
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 2 Middle Channel (5 200 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								
10 419.70	H	59.95	37.32	-51.85	-	45.42	68.20	22.78
16 569.33	H	57.03	41.57	-45.39	-	53.21	68.20	14.99
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 2 Highest Channel (5 240 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								
10 505.59	H	59.32	37.40	-51.67	-	45.05	68.20	23.15
16 559.98	V	56.86	41.56	-45.36	-	53.06	68.20	15.14
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 1 Lowest Channel (5 190 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								
10 374.78	H	58.16	37.27	-51.95	-	43.48	68.20	24.72
16 547.41	V	57.12	41.55	-45.31	-	53.36	68.20	14.84
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 1 Highest Channel (5 230 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								
10 460.31	H	57.58	37.36	-51.75	-	43.19	68.20	25.01
16 564.30	H	57.42	41.56	-45.37	-	53.61	68.20	14.59
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 0)_ANT 2 Lowest Channel (5 190 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								
10 403.89	H	58.85	37.30	-51.88	-	44.27	68.20	23.93
16 571.84	H	57.23	41.57	-45.40	-	53.40	68.20	14.80
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 2 Highest Channel (5 230 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								
10 451.33	V	58.91	37.35	-51.77	-	44.49	68.20	23.71
16 568.25	V	57.35	41.57	-45.39	-	53.53	68.20	14.67
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 80 / 26T / RU offset 36)_ANT 1 Middle Channel (5 210 MHz)

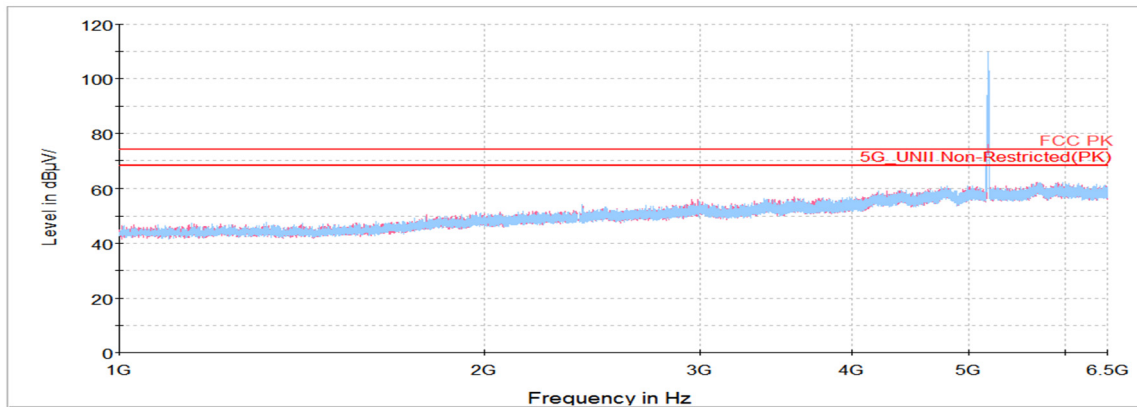
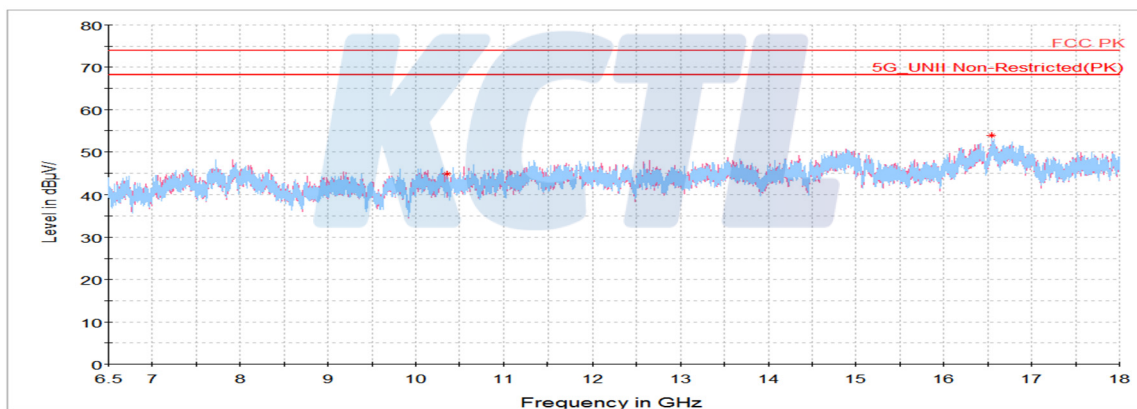
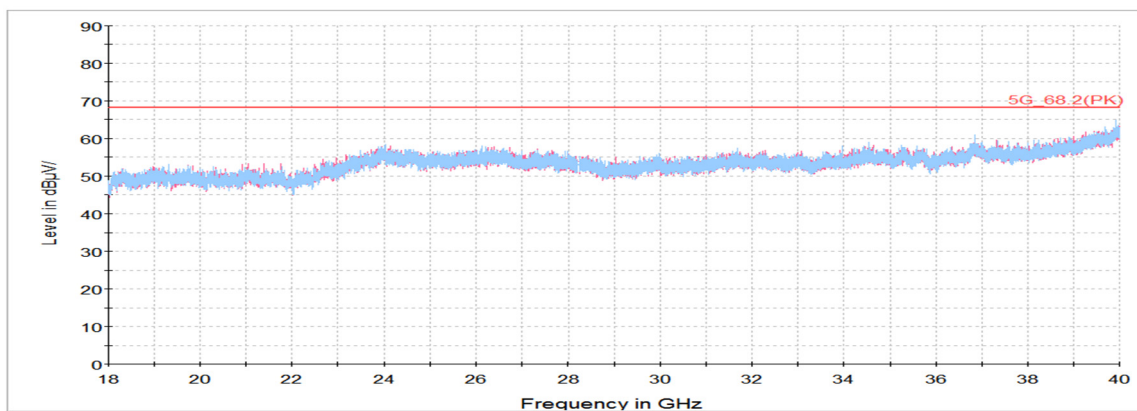
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
10 422.58	H	59.95	37.32	-51.84	-	45.43	68.20	22.77
16 544.17	H	56.87	41.54	-45.30	-	53.11	68.20	15.09
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 80 / 26T / RU offset 36)_ANT 2 Middle Channel (5 210 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								
10 417.91	H	60.16	37.32	-51.85	-	45.63	68.20	22.57
16 564.30	H	56.59	41.56	-45.37	-	52.78	68.20	15.42
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Plot of Harmonics and Spurious Emissions

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

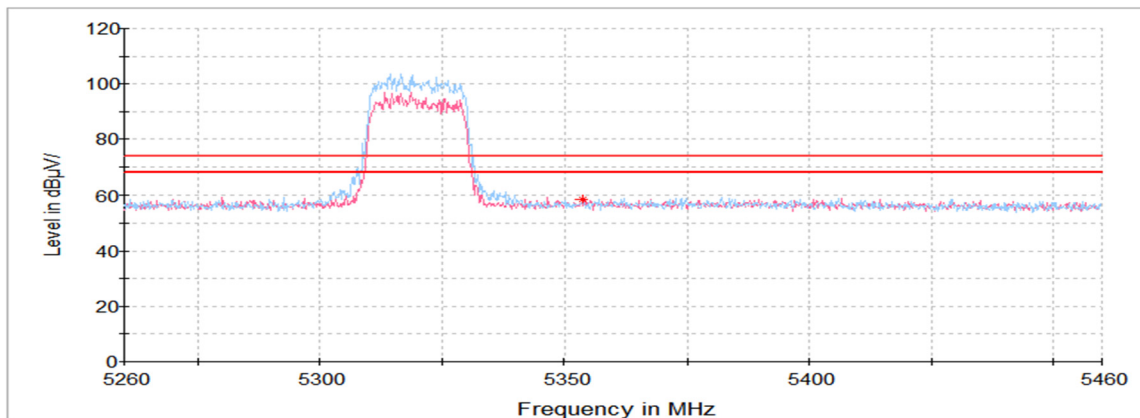
UNII-1_802.11ax_HE20 SU mode_ANT 2 Lowest Channel (5 180 MHz)**Horizontal/Vertical for 1 GHz ~ 6.5 GHz****Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

UNII-2A 1Tx (SISO) Restricted Bandedge (Highest Channel)**802.11ax_HE20 SU mode_ANT 1 Highest Channel (5 320 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								
5 350.01	H	50.52	34.56	-26.84	-	58.24	74.00	15.76
Average Data								
5 350.01	H	32.26	34.56	-26.84	-	39.98	54.00	14.02

Average data

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Horizontal/Vertical for Band-edge

802.11ax_HE20 SU mode_ANT 2 Highest Channel (5 320 MHz)

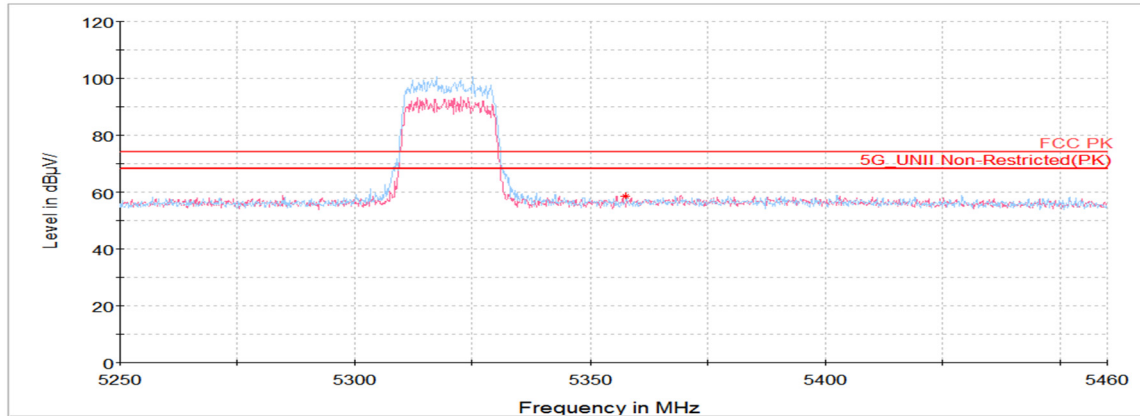
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.02	H	50.78	34.56	-26.84	-	58.50	74.00	15.50
Average Data								
5 350.02	H	31.54	34.56	-26.84	-	39.26	54.00	14.74

Average data



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Horizontal/Vertical for Band-edge

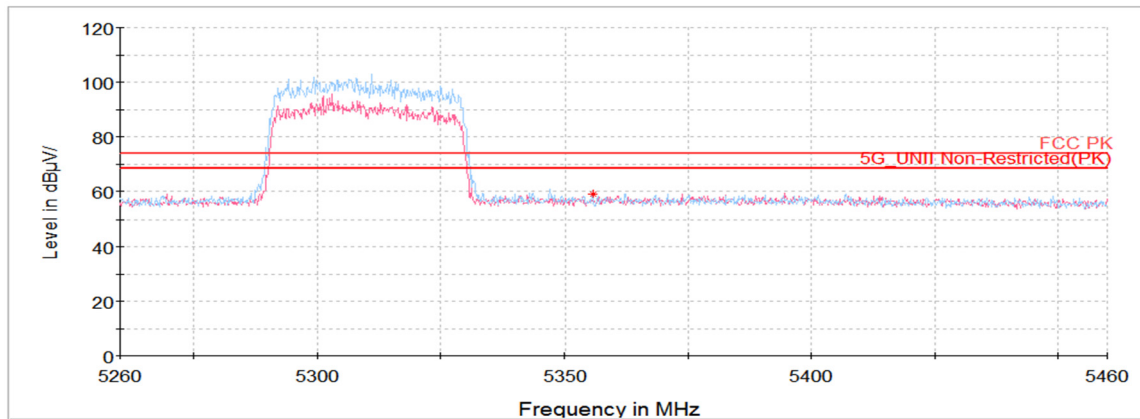


802.11ax_HE40 SU mode_ANT 1 Highest Channel (5 310 MHz)

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								
5 350.00	H	51.25	34.56	-26.84	-	58.97	74.00	15.03
Average Data								
5 350.00	H	35.68	34.56	-26.84	-	43.40	54.00	10.60

Average data

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Horizontal/Vertical for Band-edge

802.11ax_HE40 SU mode_ANT 2 Highest Channel (5 310 MHz)

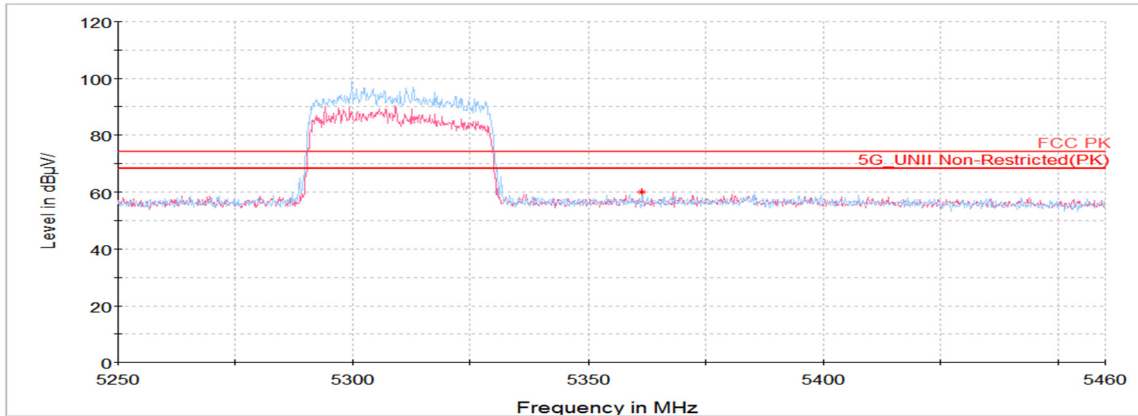
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.01	H	52.00	34.56	-26.84	-	59.72	74.00	14.28
Average Data								
5 350.01	H	32.75	34.56	-26.84	-	40.47	54.00	13.53

Average data



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Horizontal/Vertical for Band-edge

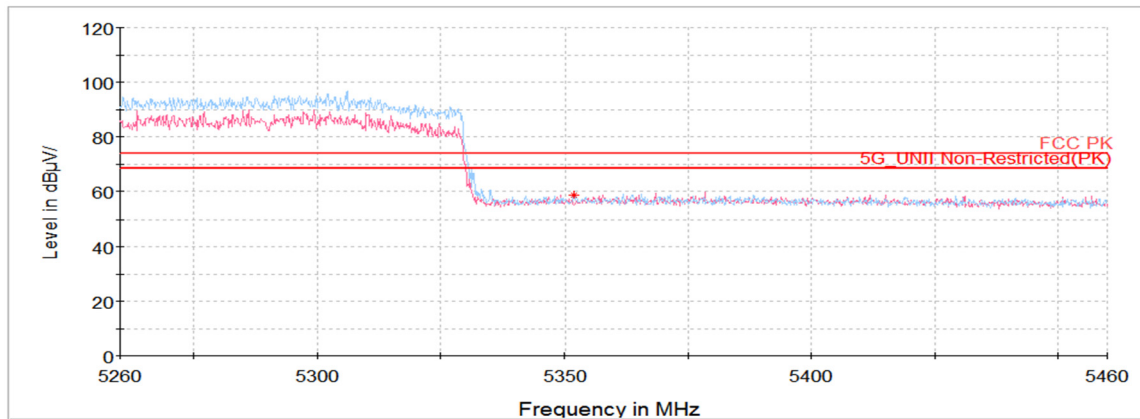


802.11ax_HE80 SU mode_ANT 1 Middle Channel (5 290 MHz)

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								
5 350.03	H	50.70	34.56	-26.84	-	58.42	74.00	15.58
Average Data								
5 350.03	H	34.98	34.56	-26.84	-	42.70	54.00	11.30

Average data

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Horizontal/Vertical for Band-edge

802.11ax_HE80 SU mode_ANT 2 Middle Channel (5 290 MHz)

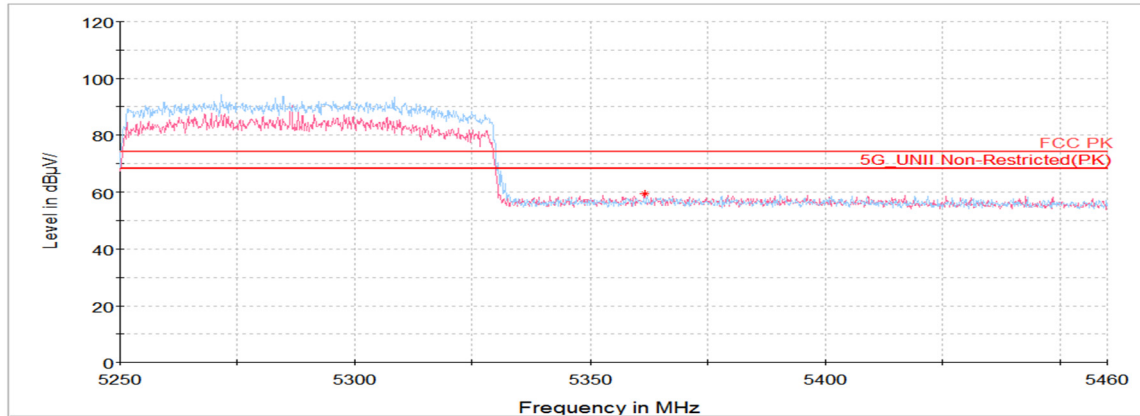
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.00	H	51.56	34.56	-26.84	-	59.28	74.00	14.72
Average Data								
5 350.00	H	33.63	34.56	-26.84	-	41.35	54.00	12.65

Average data



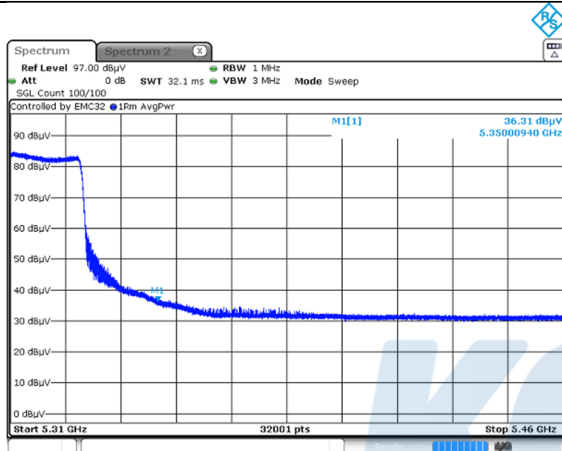
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Horizontal/Vertical for Band-edge



802.11ax_RU mode (HE 80 / 484T / RU offset 66)_ANT 1 Middle Channel (5 290 MHz)

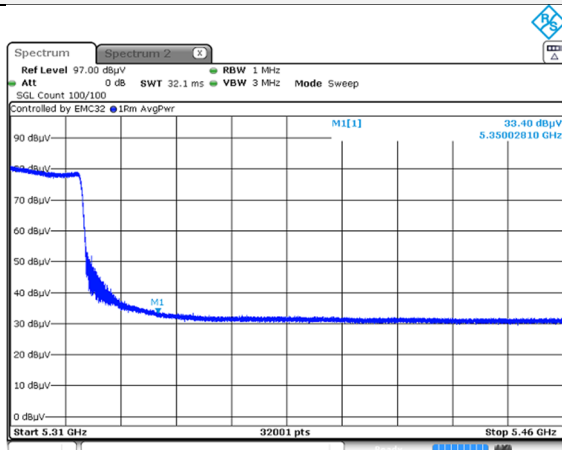
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.01	H	50.56	34.56	-26.84	-	58.28	74.00	15.72
Average Data								
5 350.01	H	36.31	34.56	-26.84	-	44.03	54.00	9.97

Average data

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802.11ax_RU mode (HE 80 / 484T / RU offset 66)_ANT 2 Middle Channel (5 290 MHz)

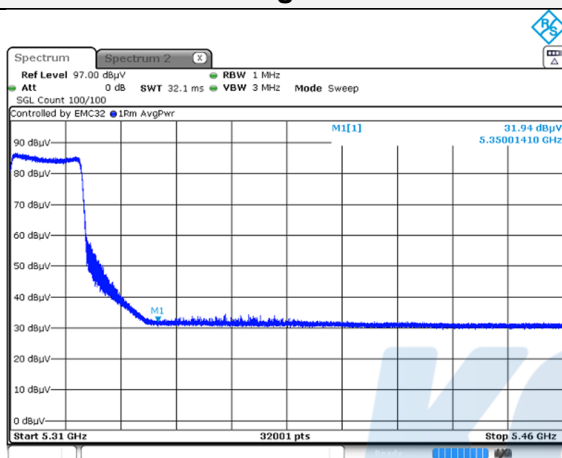
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.03	H	50.68	34.56	-26.84	-	58.40	74.00	15.60
Average Data								
5 350.03	H	33.40	34.56	-26.84	-	41.12	54.00	12.88

Average data

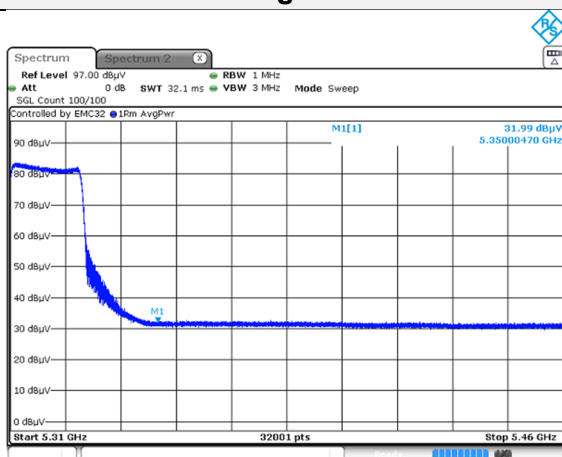
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802.11ax_RU mode (HE 80 / 242T / RU offset 64)_ANT 1 Middle Channel (5 290 MHz)

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								
5 350.01	H	50.34	34.56	-26.84	-	58.06	74.00	15.94
Average Data								
5 350.01	H	31.94	34.56	-26.84	-	39.66	54.00	14.34

Average data**802.11ax_RU mode (HE 80 / 242T / RU offset 64)_ANT 2 Middle Channel (5 290 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								
5 350.00	H	51.51	34.56	-26.84	-	59.23	74.00	14.77
Average Data								
5 350.00	H	31.99	34.56	-26.84	-	39.71	54.00	14.29

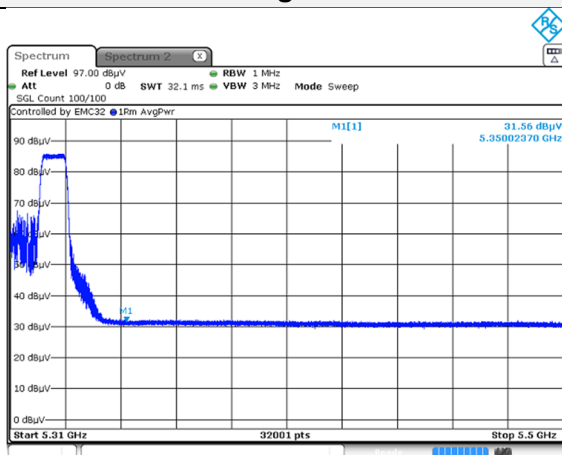
Average data

802.11ax_RU mode (HE 20 / 106T / RU offset 54)_ANT 1 Highest Channel (5 320 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								
5 350.01	H	51.47	34.56	-26.84	-	59.19	74.00	14.81
Average Data								
5 350.01	H	31.67	34.56	-26.84	-	39.39	54.00	14.61

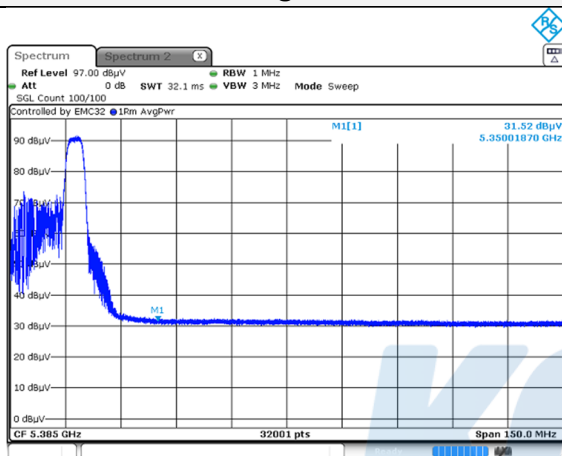
Average data**802.11ax_RU mode (HE 40 / 106T / RU offset 56)_ANT 2 Highest Channel (5 310 MHz)**

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	H	51.29	34.56	-26.84	-	59.01	74.00	14.99
Average Data								
5 350.02	H	31.56	34.56	-26.84	-	39.28	54.00	14.72

Average data

802.11ax_RU mode (HE 20 / 52T / RU offset 40)_ANT 1 Highest Channel (5 320 MHz)

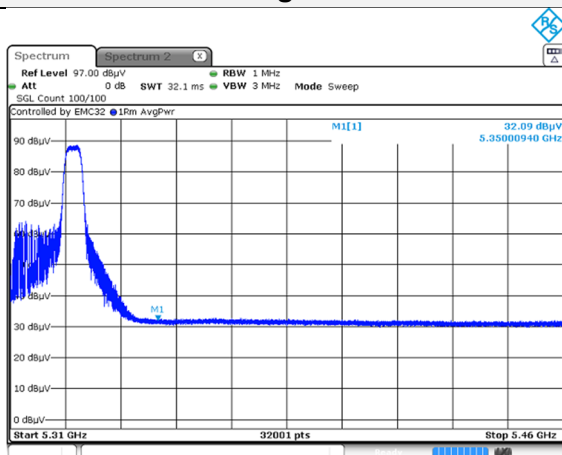
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.02	H	50.63	34.56	-26.84	-	58.35	74.00	15.65
Average Data								
5 350.02	H	31.52	34.56	-26.84	-	39.24	54.00	14.76

Average data

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802.11ax_RU mode (HE 80 / 52T / RU offset 52)_ANT 2 Middle Channel (5 290 MHz)

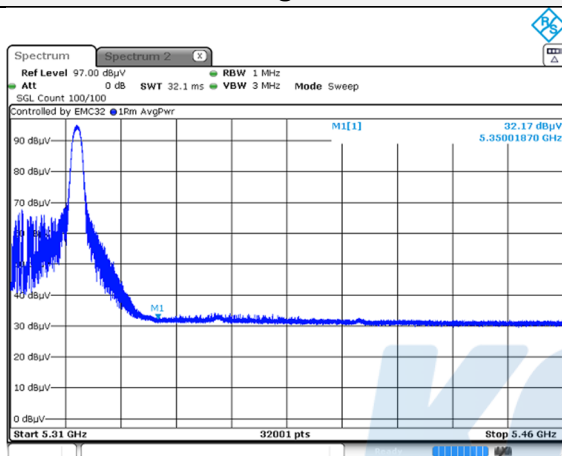
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.01	H	50.60	34.56	-26.84	-	58.32	74.00	15.68
Average Data								
5 350.01	H	32.09	34.56	-26.84	-	39.81	54.00	14.19

Average data

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802.11ax_RU mode (HE 80 / 26T / RU offset 36)_ANT 1 Middle Channel (5 290 MHz)

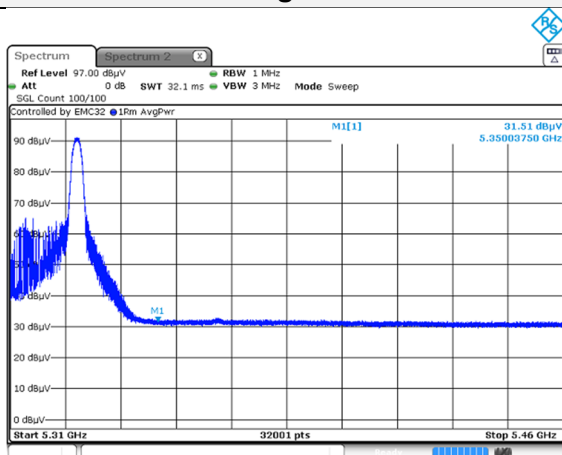
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 350.02	H	50.83	34.56	-26.84	-	58.55	74.00	15.45
Average Data								
5 350.02	H	32.17	34.56	-26.84	-	39.89	54.00	14.11

Average data

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802.11ax_RU mode (HE 80 / 26T / RU offset 36)_ANT 2 Middle 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								
5 350.04	H	51.34	34.56	-26.84	-	59.06	74.00	14.94
Average Data								
5 350.04	H	31.51	34.56	-26.84	-	39.23	54.00	14.77

Average data

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UNII-2A 1Tx (SISO) Harmonics and Spurious Emissions

802.11ax_HE20 SU mode_ANT 1 Lowest Channel (5 260 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								
10 520.69	H	58.07	37.41	-51.67	-	43.81	68.20	24.39
16 548.84	V	57.54	41.55	-45.32	-	53.77	68.20	14.43
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 1 Middle Channel (5 260 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								
10 571.72	V	60.07	37.44	-51.70	-	45.81	68.20	22.39
16 549.92	H	56.55	41.55	-45.32	-	52.78	68.20	15.42
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 1 Highest Channel (5 320 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								
10 642.52	H	59.50	37.49	-51.73	-	45.26	74.00	28.74
16 568.97	H	56.87	41.57	-45.39	-	53.05	68.20	15.15
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 2 Lowest Channel (5 260 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								
10 515.30	H	58.69	37.41	-51.67	-	44.43	68.20	23.77
16 561.78	V	56.71	41.56	-45.36	-	52.91	68.20	15.29
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 2 Middle Channel (5 280 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								
10 551.95	V	59.70	37.43	-51.69	-	45.44	68.20	22.76
16 586.94	H	56.66	41.59	-45.46	-	52.79	68.20	15.41
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 2 Highest Channel (5 320 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								
10 661.20	V	59.60	37.50	-51.74	-	45.36	74.00	28.64
16 558.19	H	56.36	41.56	-45.35	-	52.57	68.20	15.63
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_ANT 1 Lowest Channel (5 270 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								
8 093.47	V	63.64	35.80	-50.67	-	48.77	74.00	25.23
10 583.22	V	59.33	37.45	-51.70	-	45.08	68.20	23.12
16 577.59	H	56.46	41.58	-45.42	-	52.62	68.20	15.58
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_ANT 1 Highest Channel (5 310 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								
10 623.47	H	58.82	37.47	-51.72	-	44.57	74.00	29.43
16 725.66	H	56.84	41.73	-45.97	-	52.60	68.20	15.60
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_ANT 2 Lowest Channel (5 270 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								
10 548.72	H	59.43	37.43	-51.69	-	45.17	68.20	23.03
16 554.95	H	56.78	41.55	-45.34	-	52.99	68.20	15.21
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_ANT 2 Highest Channel (5 310 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								
10 622.03	H	59.37	37.47	-51.72	-	45.12	74.00	28.88
16 547.41	H	56.92	41.55	-45.31	-	53.16	68.20	15.04
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE80 SU mode_ANT 1 Middle 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								
10 581.06	H	59.24	37.45	-51.70	-	44.99	68.20	23.21
16 529.08	V	56.27	41.53	-45.24	-	52.56	68.20	15.64
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE80 SU mode_ANT 2 Middle 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	H	50.78	34.56	-26.84	-	58.50	74.00	15.50
5 350.02	H	31.54	34.56	-26.84	-	39.26	54.00	14.74
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 1 Lowest Channel (5 260 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								
10 522.13	V	59.86	37.41	-51.68	-	45.59	68.20	22.61
16 560.70	H	57.87	41.56	-45.36	-	54.07	68.20	14.13
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 1 Middle Channel (5 280 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								
10 567.05	H	58.39	37.44	-51.70	-	44.13	68.20	24.07
16 554.23	H	56.63	41.55	-45.34	-	52.84	68.20	15.36
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 0)_ANT 1 Highest Channel (5 320 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								
10 652.22	H	59.67	37.49	-51.74	-	45.42	74.00	28.58
16 558.55	H	58.09	41.56	-45.35	-	54.30	68.20	13.90
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 2 Lowest Channel (5 260 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								
10 508.47	V	58.79	37.41	-51.67	-	44.53	68.20	23.67
16 560.34	V	57.37	41.56	-45.36	-	53.57	68.20	14.63
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 2 Middle Channel (5 280 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								
10 570.28	H	59.23	37.44	-51.70	-	44.97	68.20	23.23
16 563.58	H	57.22	41.56	-45.37	-	53.41	68.20	14.79
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 0)_ANT 2 Highest Channel (5 320 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								
10 648.63	H	59.31	37.49	-51.73	-	45.07	74.00	28.93
16 558.91	H	56.91	41.56	-45.35	-	53.12	68.20	15.08
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 1 Lowest Channel (5 270 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								
10 536.14	V	59.24	37.42	-51.68	-	44.98	68.20	23.22
16 568.25	V	57.13	41.57	-45.39	-	53.31	68.20	14.89
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 1 Highest Channel (5 310 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								
10 627.42	H	60.39	37.48	-51.72	-	46.15	74.00	27.85
16 548.84	V	56.42	41.55	-45.32	-	52.65	68.20	15.55
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 17)_ANT 2 Lowest Channel (5 270 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								
10 546.56	V	59.43	37.43	-51.69	-	45.17	68.20	23.03
16 365.92	V	57.63	41.73	-45.97	-	53.39	68.20	14.81
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 0)_ANT 2 Highest Channel (5 310 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								
10 629.58	V	59.49	37.48	-51.73	-	45.24	74.00	28.76
16 537.70	H	56.25	41.54	-45.28	-	52.51	68.20	15.69
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 80 / 26T / RU offset 36)_ANT 1 Middle 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								
10 586.45	V	59.61	37.45	-51.71	-	45.35	68.20	22.85
16 553.16	H	57.58	41.55	-45.33	-	53.80	68.20	14.40
Average Data								
No spurious emissions were detected within 20 dB of the limit								

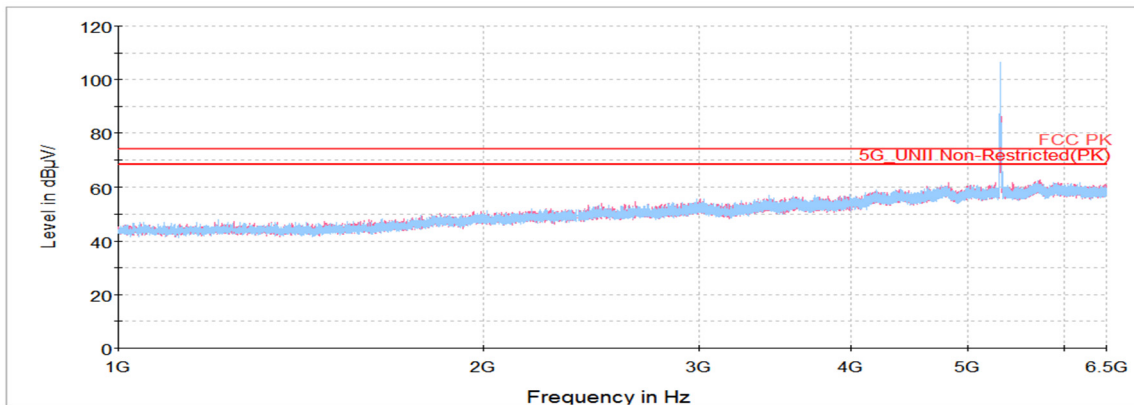
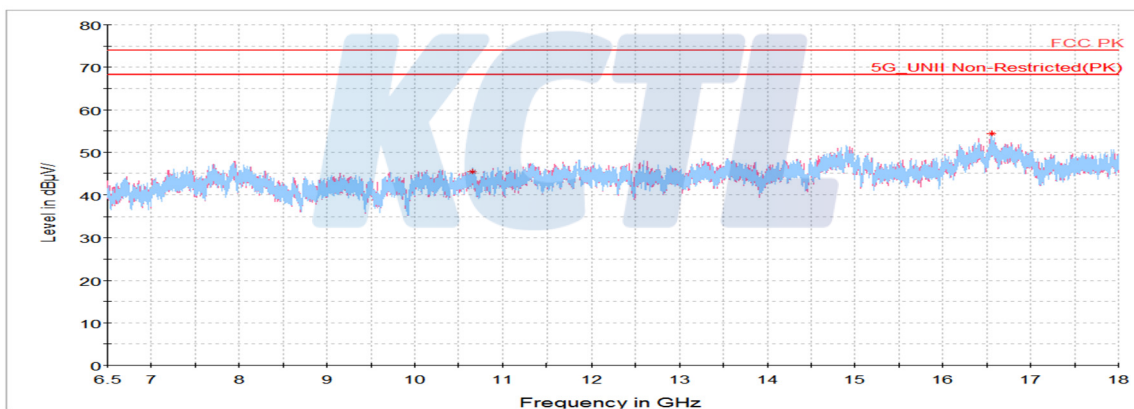
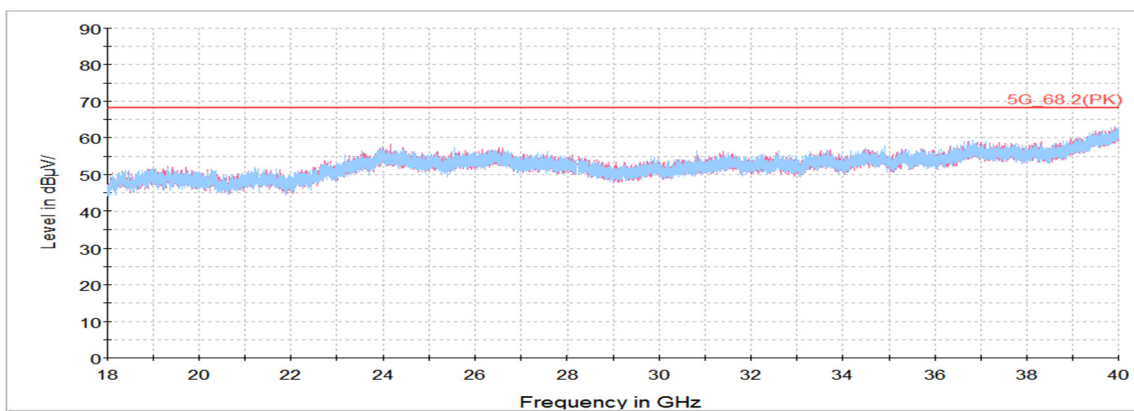
802.11ax_RU mode (HE 80 / 26T / RU offset 36)_ANT 2 Middle Channel (5 290 MHz)

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								
10 580.70	V	60.20	37.45	-51.70	-	45.95	68.20	22.25
16 567.17	H	57.34	41.57	-45.38	-	53.53	68.20	14.67
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Plot of Harmonics and Spurious Emissions

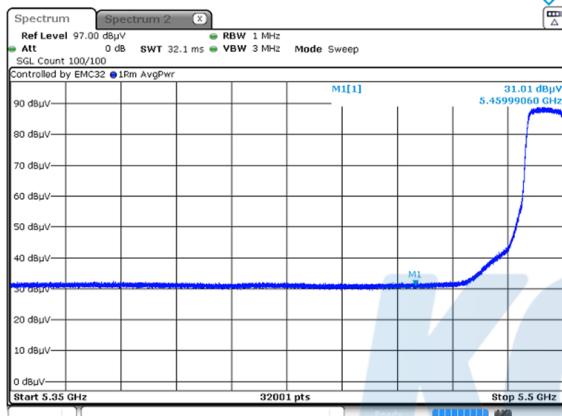
In order to simplify the report, attached plots were only the lowest margin condition

UNII-2A_802.11ax_RU mode (HE 20 / 26T / RU offset 0)_ANT 1 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**

UNII-2C Tx (SISO) Restricted Bandedge (Lowest Channel)**802.11ax_HE20 SU mode_ANT 1 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(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 459.99	H	49.71	34.74	-27.35	-	57.10	74.00	16.90
Average Data								
5 459.99	H	31.01	34.74	-27.35	-	38.40	54.00	15.60

Average data

Blank

Horizontal/Vertical for Band-edge