

Test Mode:	TX(5.6G) - 802.11ax-HT80
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Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
(5530 MHz)-Above 1G							
Vertical	4434.007	61.38	-20.73	40.64	68.2	-27.56	PK
Vertical	4434.007	44.00	-20.73	23.27	54	-30.73	AV
Vertical	11060.168	62.49	-8.45	54.04	68.2	-14.16	PK
Vertical	11060.168	43.27	-8.45	34.82	54	-19.18	AV
Vertical	16590.141	61.65	-5.79	55.86	74	-18.14	PK
Vertical	16590.141	43.57	-5.79	37.78	54	-16.22	AV
Horizontal	4434.175	63.81	-20.73	43.08	68.2	-25.12	PK
Horizontal	4434.175	43.04	-20.73	22.31	54	-31.69	AV
Horizontal	11060.098	50.44	-8.45	41.99	68.2	-26.21	PK
Horizontal	11060.098	41.16	-8.45	32.71	54	-21.29	AV
Horizontal	16590.171	53.30	-5.79	47.51	74	-26.49	PK
Horizontal	16590.171	41.12	-5.79	35.33	54	-18.67	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX (5.8G) -- 802.11a
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.106	72.33	-20.24	52.09	74	-21.91	PK
Vertical	4679.106	59.36	-20.24	39.12	54	-14.88	AV
Vertical	11490.120	64.03	-8.79	55.24	68.2	-12.96	PK
Vertical	11490.120	49.96	-8.79	41.17	54	-12.83	AV
Vertical	17235.131	58.34	-3.18	55.16	68.2	-13.04	PK
Vertical	17235.131	44.23	-3.18	41.05	54	-12.95	AV
Horizontal	4679.024	70.89	-20.73	50.16	74	-23.84	PK
Horizontal	4679.024	59.63	-20.73	38.90	54	-15.10	AV
Horizontal	11490.014	62.98	-8.79	54.19	68.2	-14.01	PK
Horizontal	11490.014	49.20	-8.79	40.41	54	-13.59	AV
Horizontal	17235.092	59.47	-3.18	56.29	68.2	-11.91	PK
Horizontal	17235.092	44.08	-3.18	40.90	54	-13.10	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.124	71.02	-20.42	50.60	74	-23.40	PK
Vertical	4592.124	59.10	-20.42	38.68	54	-15.32	AV
Vertical	11570.104	60.29	-8.86	51.43	68.2	-16.77	PK
Vertical	11570.104	49.92	-8.86	41.06	54	-12.94	AV
Vertical	17355.046	59.24	-2.52	56.72	68.2	-11.48	PK
Vertical	17355.046	44.21	-2.52	41.69	54	-12.31	AV
Horizontal	4592.009	72.02	-20.42	51.60	74	-22.40	PK
Horizontal	4592.009	59.06	-20.42	38.65	54	-15.35	AV
Horizontal	11570.165	61.44	-8.86	52.58	68.2	-15.62	PK
Horizontal	11570.165	49.46	-8.86	40.60	54	-13.40	AV
Horizontal	17355.146	55.98	-2.52	53.46	68.2	-14.74	PK
Horizontal	17355.146	44.00	-2.52	41.48	54	-12.52	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.114	72.96	-18.93	54.03	68.2	-14.17	PK
Vertical	6039.114	59.19	-18.93	40.26	54	-13.74	AV
Vertical	11650.100	64.79	-8.92	55.87	74	-18.13	PK
Vertical	11650.100	49.99	-8.92	41.07	54	-12.93	AV
Vertical	17475.178	55.40	-1.86	53.54	68.2	-14.66	PK
Vertical	17475.178	44.12	-1.86	42.26	54	-11.74	AV
Horizontal	6039.088	74.18	-18.93	55.25	68.2	-12.95	PK
Horizontal	6039.088	59.61	-18.93	40.68	54	-13.32	AV
Horizontal	11650.141	60.39	-8.92	51.47	74	-22.53	PK
Horizontal	11650.141	49.00	-8.92	40.08	54	-13.92	AV
Horizontal	17475.107	57.75	-1.86	55.89	68.2	-12.31	PK
Horizontal	17475.107	44.17	-1.86	42.31	54	-11.69	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode: TX (5.8G) --802.11n-HT20

Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.188	72.21	-20.24	51.97	74	-22.03	PK
Vertical	4679.188	59.91	-20.24	39.67	54	-14.33	AV
Vertical	11490.171	61.42	-8.79	52.63	68.2	-15.57	PK
Vertical	11490.171	49.09	-8.79	40.30	54	-13.70	AV
Vertical	17235.012	58.20	-3.18	55.02	68.2	-13.18	PK
Vertical	17235.012	44.74	-3.18	41.56	54	-12.44	AV
Horizontal	4679.184	73.17	-20.24	52.93	74	-21.07	PK
Horizontal	4679.184	59.07	-20.24	38.83	54	-15.17	AV
Horizontal	11490.148	60.11	-8.79	51.32	68.2	-16.88	PK
Horizontal	11490.148	49.61	-8.79	40.82	54	-13.18	AV
Horizontal	17235.029	55.15	-3.18	51.97	68.2	-16.23	PK
Horizontal	17235.029	44.13	-3.18	40.95	54	-13.05	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.190	74.39	-20.42	53.98	74	-20.02	PK
Vertical	4592.190	59.36	-20.42	38.95	54	-15.05	AV
Vertical	11570.032	61.92	-8.86	53.06	68.2	-15.14	PK
Vertical	11570.032	49.01	-8.86	40.15	54	-13.85	AV
Vertical	17355.080	56.71	-2.52	54.19	68.2	-14.01	PK
Vertical	17355.080	44.34	-2.52	41.82	54	-12.18	AV
Horizontal	4592.039	70.51	-20.42	50.09	74	-23.91	PK
Horizontal	4592.039	59.50	-20.42	39.08	54	-14.92	AV
Horizontal	11570.134	62.70	-8.86	53.84	68.2	-14.36	PK
Horizontal	11570.134	49.95	-8.86	41.09	54	-12.91	AV
Horizontal	17355.072	57.00	-2.52	54.48	68.2	-13.72	PK
Horizontal	17355.072	44.49	-2.52	41.97	54	-12.03	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.041	73.10	-18.93	54.17	68.2	-14.03	PK
Vertical	6039.041	59.99	-18.93	41.06	54	-12.94	AV
Vertical	11650.031	63.64	-8.92	54.72	74	-19.28	PK
Vertical	11650.031	49.67	-8.92	40.75	54	-13.25	AV
Vertical	17475.141	56.74	-1.86	54.88	68.2	-13.32	PK
Vertical	17475.141	44.63	-1.86	42.77	54	-11.23	AV
Horizontal	6039.198	71.95	-18.93	53.02	68.2	-15.18	PK
Horizontal	6039.198	59.00	-18.93	40.07	54	-13.93	AV
Horizontal	11650.140	61.59	-8.92	52.67	74	-21.33	PK
Horizontal	11650.140	49.62	-8.92	40.70	54	-13.30	AV
Horizontal	17475.019	58.78	-1.86	56.92	68.2	-11.28	PK
Horizontal	17475.019	44.62	-1.86	42.76	54	-11.24	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX (5.8G) -- 802.11n-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.016	72.32	-20.24	52.08	74	-21.92	PK
Vertical	4679.016	59.74	-20.24	39.50	54	-14.50	AV
Vertical	11510.164	64.83	-8.81	56.02	74	-17.98	PK
Vertical	11510.164	49.78	-8.81	40.97	54	-13.03	AV
Vertical	17265.027	55.36	-3.01	52.35	68.2	-15.85	PK
Vertical	17265.027	44.34	-3.01	41.33	54	-12.67	AV
Horizontal	4679.182	73.75	-20.24	53.51	74	-20.49	PK
Horizontal	4679.182	59.76	-20.24	39.52	54	-14.48	AV
Horizontal	11510.176	64.68	-8.81	55.87	74	-18.13	PK
Horizontal	11510.176	49.64	-8.81	40.83	54	-13.17	AV
Horizontal	17265.092	55.45	-3.01	52.44	68.2	-15.76	PK
Horizontal	17265.092	44.55	-3.01	41.54	54	-12.46	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.111	74.42	-18.93	55.49	68.2	-12.71	PK
Vertical	6039.111	59.93	-18.93	41.00	54	-13.00	AV
Vertical	11590.020	61.64	-8.87	52.77	74	-21.23	PK
Vertical	11590.020	49.70	-8.87	40.83	54	-13.17	AV
Vertical	17385.087	56.67	-2.35	54.32	68.2	-13.88	PK
Vertical	17385.087	44.87	-2.35	42.52	54	-11.48	AV
Horizontal	6039.022	72.30	-18.93	53.36	68.2	-14.84	PK
Horizontal	6039.022	59.94	-18.93	41.00	54	-13.00	AV
Horizontal	11590.137	61.40	-8.87	52.53	74	-21.47	PK
Horizontal	11590.137	49.13	-8.87	40.26	54	-13.74	AV
Horizontal	17385.169	56.19	-2.35	53.84	68.2	-14.36	PK
Horizontal	17385.169	44.48	-2.35	42.13	54	-11.87	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode: TX (5.8G) --802.11ac-HT20

Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.108	73.31	-20.24	53.07	74	-20.93	PK
Vertical	4679.108	59.21	-20.24	38.97	54	-15.03	AV
Vertical	11490.194	60.53	-8.79	51.74	68.2	-16.46	PK
Vertical	11490.194	49.29	-8.79	40.50	54	-13.50	AV
Vertical	17235.131	59.20	-3.18	56.02	68.2	-12.18	PK
Vertical	17235.131	44.87	-3.18	41.69	54	-12.31	AV
Horizontal	4679.105	74.26	-20.24	54.02	74	-19.98	PK
Horizontal	4679.105	59.70	-20.24	39.46	54	-14.54	AV
Horizontal	11490.158	63.05	-8.79	54.26	68.2	-13.94	PK
Horizontal	11490.158	49.79	-8.79	41.00	54	-13.00	AV
Horizontal	17235.032	56.72	-3.18	53.54	68.2	-14.66	PK
Horizontal	17235.032	44.54	-3.18	41.36	54	-12.64	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.010	71.19	-20.42	50.77	74	-23.23	PK
Vertical	4592.010	59.30	-20.42	38.88	54	-15.12	AV
Vertical	11570.101	64.10	-8.86	55.24	68.2	-12.96	PK
Vertical	11570.101	49.35	-8.86	40.49	54	-13.51	AV
Vertical	17355.054	57.56	-2.52	55.04	68.2	-13.16	PK
Vertical	17355.054	44.25	-2.52	41.73	54	-12.27	AV
Horizontal	4592.005	74.50	-20.42	54.08	74	-19.92	PK
Horizontal	4592.005	59.04	-20.42	38.62	54	-15.38	AV
Horizontal	11570.017	62.32	-8.86	53.46	68.2	-14.74	PK
Horizontal	11570.017	49.28	-8.86	40.42	54	-13.58	AV
Horizontal	17355.128	56.40	-2.52	53.88	68.2	-14.32	PK
Horizontal	17355.128	44.86	-2.52	42.34	54	-11.66	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.086	71.82	-18.93	52.88	68.2	-15.32	PK
Vertical	6039.086	59.62	-18.93	40.68	54	-13.32	AV
Vertical	11650.014	63.56	-8.92	54.64	74	-19.36	PK
Vertical	11650.014	49.71	-8.92	40.79	54	-13.21	AV
Vertical	17475.026	56.55	-1.86	54.69	68.2	-13.51	PK
Vertical	17475.026	44.29	-1.86	42.43	54	-11.57	AV
Horizontal	6039.053	71.21	-18.93	52.28	68.2	-15.92	PK
Horizontal	6039.053	59.72	-18.93	40.79	54	-13.21	AV
Horizontal	11650.064	60.59	-8.92	51.67	74	-22.33	PK
Horizontal	11650.064	49.38	-8.92	40.46	54	-13.54	AV
Horizontal	17475.190	57.75	-1.86	55.89	68.2	-12.31	PK
Horizontal	17475.190	44.90	-1.86	43.04	54	-10.96	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX (5.8G) -- 802.11ac-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.163	73.63	-20.24	53.39	74	-20.61	PK
Vertical	4679.163	59.99	-20.24	39.75	54	-14.25	AV
Vertical	11510.049	62.05	-8.81	53.24	74	-20.76	PK
Vertical	11510.049	49.37	-8.81	40.56	54	-13.44	AV
Vertical	17265.078	59.74	-3.01	56.73	68.2	-11.47	PK
Vertical	17265.078	44.66	-3.01	41.65	54	-12.35	AV
Horizontal	4679.117	71.07	-20.24	50.83	74	-23.17	PK
Horizontal	4679.117	59.53	-20.24	39.28	54	-14.72	AV
Horizontal	11510.061	61.07	-8.81	52.26	74	-21.74	PK
Horizontal	11510.061	49.76	-8.81	40.95	54	-13.05	AV
Horizontal	17265.083	57.41	-3.01	54.40	68.2	-13.80	PK
Horizontal	17265.083	44.86	-3.01	41.85	54	-12.15	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.166	70.27	-18.93	51.34	68.2	-16.86	PK
Vertical	6039.166	59.29	-18.93	40.36	54	-13.64	AV
Vertical	11590.136	63.00	-8.87	54.13	74	-19.87	PK
Vertical	11590.136	49.58	-8.87	40.71	54	-13.29	AV
Vertical	17385.105	58.59	-2.35	56.24	68.2	-11.96	PK
Vertical	17385.105	44.27	-2.35	41.92	54	-12.08	AV
Horizontal	6039.053	71.12	-18.93	52.18	68.2	-16.02	PK
Horizontal	6039.053	59.41	-18.93	40.48	54	-13.52	AV
Horizontal	11590.037	61.62	-8.87	52.75	74	-21.25	PK
Horizontal	11590.037	49.95	-8.87	41.08	54	-12.92	AV
Horizontal	17385.164	58.63	-2.35	56.28	68.2	-11.92	PK
Horizontal	17385.164	44.41	-2.35	42.06	54	-11.94	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX (5.8G) -- 802.11ac-HT80
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
(5775 MHz)-Above 1G							
Vertical	4679.123	70.18	-20.24	49.94	74	-24.06	PK
Vertical	4679.123	59.62	-20.24	39.38	54	-14.62	AV
Vertical	11550.154	64.80	-8.84	55.96	74	-18.04	PK
Vertical	11550.154	49.04	-8.84	40.20	54	-13.80	AV
Vertical	17325.132	55.47	-2.68	52.79	68.2	-15.41	PK
Vertical	17325.132	44.77	-2.68	42.09	54	-11.91	AV
Horizontal	4679.015	70.67	-20.24	50.43	74	-23.57	PK
Horizontal	4679.015	59.33	-20.24	39.09	54	-14.91	AV
Horizontal	11550.052	60.63	-8.84	51.79	74	-22.21	PK
Horizontal	11550.052	49.62	-8.84	40.78	54	-13.22	AV
Horizontal	17325.098	55.28	-2.68	52.60	68.2	-15.60	PK
Horizontal	17325.098	44.31	-2.68	41.63	54	-12.37	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode: TX (5.8G) --802.11ax-HT20

Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.176	70.24	-20.24	50.00	74	-24.00	PK
Vertical	4679.176	59.41	-20.24	39.17	54	-14.83	AV
Vertical	11490.185	62.84	-8.79	54.05	68.2	-14.15	PK
Vertical	11490.185	49.83	-8.79	41.04	54	-12.96	AV
Vertical	17235.077	56.97	-3.18	53.79	68.2	-14.41	PK
Vertical	17235.077	44.81	-3.18	41.63	54	-12.37	AV
Horizontal	4679.077	72.73	-20.24	52.49	74	-21.51	PK
Horizontal	4679.077	59.56	-20.24	39.32	54	-14.68	AV
Horizontal	11490.017	63.90	-8.79	55.11	68.2	-13.09	PK
Horizontal	11490.017	49.01	-8.79	40.22	54	-13.78	AV
Horizontal	17235.042	56.66	-3.18	53.48	68.2	-14.72	PK
Horizontal	17235.042	44.01	-3.18	40.83	54	-13.17	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.091	74.97	-20.42	54.56	74	-19.44	PK
Vertical	4592.091	59.48	-20.42	39.06	54	-14.94	AV
Vertical	11570.095	62.18	-8.86	53.32	68.2	-14.88	PK
Vertical	11570.095	49.85	-8.86	40.99	54	-13.01	AV
Vertical	17355.013	57.52	-2.52	55.00	68.2	-13.20	PK
Vertical	17355.013	44.84	-2.52	42.32	54	-11.68	AV
Horizontal	4592.165	71.77	-20.42	51.35	74	-22.65	PK
Horizontal	4592.165	59.26	-20.42	38.84	54	-15.16	AV
Horizontal	11570.163	60.83	-8.86	51.97	68.2	-16.23	PK
Horizontal	11570.163	49.91	-8.86	41.05	54	-12.95	AV
Horizontal	17355.041	57.37	-2.52	54.85	68.2	-13.35	PK
Horizontal	17355.041	44.42	-2.52	41.90	54	-12.10	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.187	73.77	-18.93	54.84	68.2	-13.36	PK
Vertical	6039.187	59.94	-18.93	41.01	54	-12.99	AV
Vertical	11650.024	63.68	-8.92	54.76	74	-19.24	PK
Vertical	11650.024	49.49	-8.92	40.57	54	-13.43	AV
Vertical	17475.142	58.86	-1.86	57.00	68.2	-11.20	PK
Vertical	17475.142	44.42	-1.86	42.56	54	-11.44	AV
Horizontal	6039.150	74.21	-18.93	55.27	68.2	-12.93	PK
Horizontal	6039.150	59.11	-18.93	40.17	54	-13.83	AV
Horizontal	11650.047	62.28	-8.92	53.36	74	-20.64	PK
Horizontal	11650.047	49.55	-8.92	40.63	54	-13.37	AV
Horizontal	17475.088	57.37	-1.86	55.51	68.2	-12.69	PK
Horizontal	17475.088	44.09	-1.86	42.23	54	-11.77	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX (5.8G) -- 802.11ax-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.082	70.62	-20.24	50.37	74	-23.63	PK
Vertical	4679.082	59.81	-20.24	39.56	54	-14.44	AV
Vertical	11510.039	61.08	-8.81	52.27	74	-21.73	PK
Vertical	11510.039	49.71	-8.81	40.90	54	-13.10	AV
Vertical	17265.058	58.46	-3.01	55.45	68.2	-12.75	PK
Vertical	17265.058	44.78	-3.01	41.77	54	-12.23	AV
Horizontal	4679.174	71.38	-20.24	51.14	74	-22.86	PK
Horizontal	4679.174	59.72	-20.24	39.47	54	-14.53	AV
Horizontal	11510.038	64.12	-8.81	55.31	74	-18.69	PK
Horizontal	11510.038	49.08	-8.81	40.27	54	-13.73	AV
Horizontal	17265.108	57.14	-3.01	54.13	68.2	-14.07	PK
Horizontal	17265.108	44.30	-3.01	41.29	54	-12.71	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.166	73.15	-18.93	54.22	68.2	-13.98	PK
Vertical	6039.166	59.81	-18.93	40.88	54	-13.12	AV
Vertical	11590.043	61.91	-8.87	53.04	74	-20.96	PK
Vertical	11590.043	49.21	-8.87	40.34	54	-13.66	AV
Vertical	17385.068	58.62	-2.35	56.27	68.2	-11.93	PK
Vertical	17385.068	44.56	-2.35	42.21	54	-11.79	AV
Horizontal	6039.163	72.99	-18.93	54.06	68.2	-14.14	PK
Horizontal	6039.163	59.71	-18.93	40.78	54	-13.22	AV
Horizontal	11590.042	61.84	-8.87	52.97	74	-21.03	PK
Horizontal	11590.042	49.24	-8.87	40.37	54	-13.63	AV
Horizontal	17385.022	58.30	-2.35	55.95	68.2	-12.25	PK
Horizontal	17385.022	44.78	-2.35	42.43	54	-11.57	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX (5.8G) -- 802.11ax-HT80
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
(5775 MHz)-Above 1G							
Vertical	4679.003	70.16	-20.24	49.92	74	-24.08	PK
Vertical	4679.003	59.67	-20.24	39.43	54	-14.57	AV
Vertical	11550.075	63.38	-8.84	54.54	74	-19.46	PK
Vertical	11550.075	49.61	-8.84	40.77	54	-13.23	AV
Vertical	17325.179	59.74	-2.68	57.06	68.2	-11.14	PK
Vertical	17325.179	44.24	-2.68	41.56	54	-12.44	AV
Horizontal	4679.045	72.71	-20.24	52.47	74	-21.53	PK
Horizontal	4679.045	59.10	-20.24	38.86	54	-15.14	AV
Horizontal	11550.193	60.90	-8.84	52.06	74	-21.94	PK
Horizontal	11550.193	49.22	-8.84	40.38	54	-13.62	AV
Horizontal	17325.042	56.59	-2.68	53.91	68.2	-14.29	PK
Horizontal	17325.042	44.38	-2.68	41.70	54	-12.30	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

ANT 1

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge
- All the modes 802.11a/n/ac/ax has been tested and the worst result 802.11ax20 recorded as below:

Test mode: 802.11ax20 Frequency(MHz): 5180

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5150.35	H	63.36	74	45.35	54
5150.21	V	63.68	74	43.45	54

Test mode: 802.11ax20 Frequency(MHz): 5320

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5360.32	H	45.35	74	31.25	54
5360.22	V	43.45	74	33.15	54

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).

(2) Emission Level= Reading Level+Correct Factor.

(3) Correct Factor= Ant_F + Cab_L - Preamp

ANT 2

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge
- All the modes 802.11a/n/ac/ax has been tested and the worst result 802.11ax20 recorded as below:

Test mode: 802.11ax20 Frequency(MHz): 5180

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5150.35	H	67.25	74	47.23	54
5150.21	V	66.32	74	46.31	54

Test mode: 802.11ax20 Frequency(MHz): 5320

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5360.32	H	47.25	74	31.25	54
5360.22	V	46.36	74	32.25	54

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L - Preamp

ANT 3

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge
- All the modes 802.11a/n/ac/ax has been tested and the worst result 802.11ax20 recorded as below:

Test mode: 802.11ax20 Frequency(MHz): 5180

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5150.35	H	66.32	74	45.36	54
5150.21	V	64.32	74	43.45	54

Test mode: 802.11ax20 Frequency(MHz): 5320

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5360.32	H	45.32	74	32.25	54
5360.22	V	43.45	74	33.15	54

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L - Preamp

ANT 4

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge
- All the modes 802.11a/n/ac/ax has been tested and the worst result 802.11ax20 recorded as below:

Test mode: 802.11ax20 Frequency(MHz): 5180

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5150.35	H	63.48	74	45.38	54
5150.21	V	63.31	74	43.42	54

Test mode: 802.11ax20 Frequency(MHz): 5320

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5360.32	H	46.65	74	32.15	54
5360.22	V	47.25	74	33.10	54

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L - Preamp

8. Power Spectral Density Test

8.1 Block Diagram Of Test Setup



8.2 Limit

For the band 5.15-5.25 GHz,

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands

(b) (2) The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.3 Test Procedure

For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 kHz bandwidth, the following adjustments to the procedures apply:

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.I.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/RBW)$ to the measured result, whereas $RBW (< 500 \text{ KHz})$ is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10\log(1\text{MHz}/RBW)$ to the measured result, whereas $RBW (< 1 \text{ MHz})$ is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 KHz for the sections 5.c) and 5.d) above, since $RBW=100 \text{ KHz}$ is available on nearly all spectrum analyzers.

8.4 EUT Operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

8.5 Test Result

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	DC 3.3V
Test Mode:	(U-NII-1) 5180MHz-5240MHz, (U-NII-2A) 5260MHz-5320MHz (U-NII-2C) 5500MHz-5700MHz, (U-NII-3) 5745MHz-5825MHz		

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	-4.31	11	Pass
NVNT	a	5200	-3.98	11	Pass
NVNT	a	5240	-4.32	11	Pass
NVNT	n20	5180	-6.53	11	Pass
NVNT	n20	5200	-7.19	11	Pass
NVNT	n20	5240	-7.78	11	Pass
NVNT	n40	5190	-11.87	11	Pass
NVNT	n40	5230	-11.34	11	Pass
NVNT	ac20	5180	-6.6	11	Pass
NVNT	ac20	5200	-7.12	11	Pass
NVNT	ac20	5240	-7.39	11	Pass
NVNT	ac40	5190	-11.39	11	Pass
NVNT	ac40	5230	-11.19	11	Pass
NVNT	ac80	5210	-16.12	11	Pass
NVNT	ax20	5180	-6.93	11	Pass
NVNT	ax20	5200	-7.5	11	Pass
NVNT	ax20	5240	-7.31	11	Pass
NVNT	ax40	5190	-11.72	11	Pass
NVNT	ax40	5230	-11.08	11	Pass
NVNT	ax80	5210	-17.14	11	Pass

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	-4.89	11	Pass
NVNT	a	5280	-4.98	11	Pass
NVNT	a	5320	-4.33	11	Pass
NVNT	n20	5260	-6.5	11	Pass
NVNT	n20	5280	-5.63	11	Pass
NVNT	n20	5320	-6.3	11	Pass
NVNT	n40	5270	-10.95	11	Pass
NVNT	n40	5310	-10.84	11	Pass
NVNT	ac20	5260	-6.34	11	Pass
NVNT	ac20	5280	-6.38	11	Pass
NVNT	ac20	5320	-6.1	11	Pass
NVNT	ac40	5270	-11.26	11	Pass
NVNT	ac40	5310	-11.02	11	Pass
NVNT	ac80	5290	-15.99	11	Pass
NVNT	ax20	5260	-6.36	11	Pass
NVNT	ax20	5280	-6.65	11	Pass
NVNT	ax20	5320	-6.36	11	Pass
NVNT	ax40	5270	-11.35	11	Pass
NVNT	ax40	5310	-11.57	11	Pass
NVNT	ax80	5290	-16.11	11	Pass

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	-4.04	11	Pass
NVNT	a	5580	-5.2	11	Pass
NVNT	a	5700	-4.26	11	Pass
NVNT	n20	5500	-6.24	11	Pass
NVNT	n20	5580	-5.82	11	Pass
NVNT	n20	5700	-5.6	11	Pass
NVNT	n40	5510	-9.8	11	Pass
NVNT	n40	5550	-9.75	11	Pass
NVNT	n40	5670	-9.02	11	Pass
NVNT	ac20	5500	-6.1	11	Pass
NVNT	ac20	5580	-5.71	11	Pass
NVNT	ac20	5700	-5.53	11	Pass
NVNT	ac40	5510	-10.17	11	Pass
NVNT	ac40	5550	-10.1	11	Pass
NVNT	ac40	5670	-9.6	11	Pass
NVNT	ac80	5530	-15.24	11	Pass
NVNT	ax20	5500	-6.68	11	Pass
NVNT	ax20	5580	-5.81	11	Pass
NVNT	ax20	5700	-5.68	11	Pass
NVNT	ax40	5510	-10.27	11	Pass
NVNT	ax40	5550	-10.15	11	Pass
NVNT	ax40	5670	-9.9	11	Pass
NVNT	ax80	5530	-15.29	11	Pass

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/510K Hz)	Conducted PSD (dBm/500K Hz)	Limit (dBm/500K Hz)	Verdict
NVNT	a	5745	-8.08	-8.166	30	Pass
NVNT	a	5785	-8.93	-9.016	30	Pass
NVNT	a	5825	-9.2	-9.286	30	Pass
NVNT	n20	5745	-9.72	-9.806	30	Pass
NVNT	n20	5785	-9.88	-9.966	30	Pass
NVNT	n20	5825	-9.99	-10.076	30	Pass
NVNT	n40	5755	-13.67	-13.756	30	Pass
NVNT	n40	5795	-13.96	-14.046	30	Pass
NVNT	ac20	5745	-9.12	-9.206	30	Pass
NVNT	ac20	5785	-10.1	-10.186	30	Pass
NVNT	ac20	5825	-10.4	-10.486	30	Pass
NVNT	ac40	5755	-13.64	-13.726	30	Pass
NVNT	ac40	5795	-14.11	-14.196	30	Pass
NVNT	ac80	5775	-19.04	-19.126	30	Pass
NVNT	ax20	5745	-9.89	-9.976	30	Pass
NVNT	ax20	5785	-10.69	-10.776	30	Pass
NVNT	ax20	5825	-10.38	-10.466	30	Pass
NVNT	ax40	5755	-13.49	-13.576	30	Pass
NVNT	ax40	5795	-14.58	-14.666	30	Pass
NVNT	ax80	5775	-19.19	-19.276	30	Pass

Note: Correction Factor = $10\log(500\text{KHz}/\text{RBW in measurement}) = -0.086$































































