

5.9 Radiated Spurious Emissions of Transmitter and Band Edge

RESULT:

Pass

Date of testing: 2026-06-22, 2026-06-23, 2026-06-26

Ambient temperature: 23, 24, 23°C

Relative humidity: 54, 54, 55%

Atmospheric pressure: 1015, 1007, 1006hPa

Frequency range: 9kHz - 40GHz

Measurement distance: 3m

Kind of test site: Semi Anechoic Chamber

Requirements:

FCC §15.205, §15.209, §15.407 (b) and RSS-247 §7.3, RSS-Gen §8.9, §8.10.

Radiated emissions which fall in the restricted bands, as defined in FCC 15.205(a) and RSS-Gen §8.10, must comply with the radiated emission limits specified in FCC 15.209(a) and RSS-Gen Table 5 and 6.

Radiated emissions which fall outside the operation frequency band and outside restricted bands shall meet the following:

(1) For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Test procedure:

ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024 §12.7 and KDB 789033 D02

The EUT was placed on a nonconductive turntable. The table height was 80cm for measurements below 1GHz and 1.5m for measurements above 1GHz. Before final measurements of radiated emissions were performed, the EUT was scanned to determine its emission spectrum profile. The physical arrangement of the test system, the associated cabling were varied in order to ensure that maximum emission amplitudes were attained.

The spectrum was examined from 9kHz to the 10th harmonic of the highest fundamental transmitter frequency (40GHz). Final radiated emission measurements were made at 3m distance.

At each frequency where a spurious emission was found, the EUT was rotated 360° in order to determine the emission's maximum level. For frequencies above 30MHz, the

antenna was raised and lowered from 1 to 4m and measurements were taken using both horizontal and vertical antenna polarizations.

For emissions between 30MHz and 1GHz, measurements were performed with a test receiver operating in the CISPR quasi-peak detection mode with a 6dB bandwidth set to 120kHz.

For emissions above 1GHz, measurements were performed with a spectrum analyzer using the following settings: for peak field strength: RBW = 1MHz & VBW = 3MHz using Peak detector; for average field strength: RBW = 1MHz & VBW = 3MHz using RMS detector.

For emissions above 1GHz outside of Restricted Bands, measurements were performed with a spectrum analyzer using the Peak detector.

Absorbers have been placed on the floor between the EUT and the measuring antenna for testing above 1GHz.

The highest emission amplitudes relative to the appropriate limit were recorded in this report. Emissions other than those mentioned are small or not detectable.

Measurement below 1GHz was performed on 802.11a, 5785MHz only, since it has the highest Maximum Conducted Output Power.

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Table 32: Radiated Emissions, Quasi Peak Data, 9kHz - 30MHz, 802.11a, 5785MHz

Freq. [MHz]	Antenna Orient.	Reading QP [dBμV]	Factor [dB(1/m)]	Level QP [dBμV/m]	Limit [dBμV/m]	Margin QP [dB]	Angle [°]
0.0384	V	9.7	19.6	29.3	116.0	86.7	166
0.0387	H	8.3	19.6	27.9	115.9	88.0	136
0.3161	H	10.1	19.4	29.5	97.6	68.1	138
0.9349	V	4.7	19.4	24.1	68.2	44.1	141
27.6449	H	4.6	20.1	24.7	69.5	44.8	234
28.3490	V	4.6	20.0	24.6	69.5	44.9	38

Note: Level QP = Reading QP + Factor

Table 33: Radiated Emissions, Quasi Peak Data, 30MHz - 1GHz, Horizontal and Vertical Antenna Orientations, 802.11a, 5785MHz

Freq. [MHz]	Antenna Orient.	Reading QP [dBμV]	Factor [dB(1/m)]	Level QP [dBμV/m]	Limit [dBμV/m]	Margin QP [dB]	Height [cm]	Angle [°]
43.339	V	42.9	-21.1	21.8	40.0	18.2	120	359
87.587	V	46.0	-26.5	19.5	40.0	20.5	100	104
135.380	V	43.8	-21.1	22.7	43.5	20.8	100	180
255.302	H	43.3	-20.8	22.5	46.0	23.5	120	222
707.281	H	34.0	-10.0	24.0	46.0	22.0	144	219
778.315	V	30.4	-8.9	21.5	46.0	24.5	161	101
938.698	V	31.3	-6.7	24.6	46.0	21.4	120	192
955.494	H	30.0	-6.2	23.8	46.0	22.2	100	359

Note: Level QP = Reading QP + Factor

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Table 34: Radiated Emissions, Peak Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11a, 5745MHz

Freq. [MHz]	Antenna Orient.	Reading PK [dBµV]	Factor [dB(1/m)]	Level PK [dBµV/m]	Limit [dBµV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1125.174	H	64.4	-20.8	43.6	74.0	30.4	400	131
1128.534	V	61.3	-20.8	40.5	74.0	33.5	102	142
1311.979	H	64.4	-20.1	44.3	74.0	29.7	148	36
1540.025	H	69.1	-20.1	49.0	74.0	25.0	100	110
1540.100	V	71.0	-20.1	50.9	74.0	23.1	100	84
1924.654	H	68.1	-19.1	49.0	74.0	25.0	158	1
1924.904	H	67.2	-18.6	48.6	74.0	25.4	158	1
1973.011	V	68.4	-18.5	49.9	74.0	24.1	100	144
11440.415	H	45.9	-0.9	45.0	74.0	29.0	199	1
11480.481	V	46.2	-0.9	45.3	74.0	28.7	193	359
17215.423	H	43.9	4.1	48.0	68.2	20.2	201	359
17259.884	V	44.0	4.3	48.3	68.2	19.9	128	1

Note: Level PK = Reading PK + Factor

Table 35: Radiated Emissions, Average Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11a, 5745MHz

Freq. [MHz]	Antenna Orient.	Reading AV [dBµV]	Factor [dB(1/m)]	Level AV [dBµV/m]	Limit [dBµV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1125.174	H	48.9	-20.8	28.1	54.0	25.9	400	131
1128.534	V	48.1	-20.8	27.3	54.0	26.7	102	142
1311.979	H	49.7	-20.1	29.6	54.0	24.4	148	36
1540.025	H	58.5	-20.1	38.4	54.0	15.6	100	110
1540.100	V	60.1	-20.1	40.0	54.0	14.0	100	84
1924.654	H	44.5	-19.1	25.4	54.0	28.6	158	1
1924.904	H	44.3	-18.6	25.7	54.0	28.3	158	1
1973.011	V	46.4	-18.5	27.9	54.0	26.1	100	144
11440.415	H	33.9	-0.9	33.0	54.0	21.0	199	1
11480.481	V	34.0	-0.9	33.1	54.0	20.9	193	359
17215.423	H	32.3	4.1	36.4	-	-	201	359
17259.884	V	31.9	4.3	36.2	-	-	128	1

Note: Level AV = Reading AV + Factor

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Table 36: Radiated Emissions, Peak Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11a, 5785MHz

Freq. [MHz]	Antenna Orient.	Reading PK [dBμV]	Factor [dB(1/m)]	Level PK [dBμV/m]	Limit [dBμV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1126.561	V	67.0	-20.8	46.2	74.0	27.8	101	84
1313.425	H	62.9	-20.1	42.8	74.0	31.2	400	345
1539.925	H	71.3	-20.1	51.2	74.0	22.8	119	115
1539.929	V	69.1	-20.1	49.0	74.0	25.0	147	102
1876.611	H	69.8	-19.6	50.2	68.2	18.0	148	80
1924.795	H	74.6	-19.1	55.5	68.2	12.7	156	220
1924.800	V	67.5	-19.1	48.4	68.2	19.8	400	269
1999.026	H	58.2	-18.2	40.0	68.2	28.2	400	229
2149.855	H	60.6	-17.6	43.0	68.2	25.2	400	173
11525.382	H	46.1	-0.9	45.2	74.0	28.8	198	23
11534.563	H	45.7	-0.8	44.9	74.0	29.1	111	313
17347.250	V	43.7	4.7	48.4	68.2	19.8	200	308
17348.753	V	44.0	4.7	48.7	68.2	19.5	200	107
23156.728	H	47.0	-5.5	41.5	68.2	26.7	197	253
23163.255	V	46.0	-5.5	40.5	68.2	27.7	199	353
25286.920	H	45.8	-4.6	41.2	68.2	27.0	198	314
26436.900	V	45.9	-4.5	41.4	68.2	26.8	196	1
28913.131	H	58.4	-15.0	43.4	68.2	24.8	100	28
28939.932	V	58.1	-14.9	43.2	68.2	25.0	100	261
34681.588	H	58.5	-13.5	45.0	68.2	23.2	100	359
34691.943	V	58.3	-13.5	44.8	68.2	23.4	100	359

Note: Level PK = Reading PK + Factor

Table 37: Radiated Emissions, Average Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11a, 5785MHz

Freq. [MHz]	Antenna Orient.	Reading AV [dBμV]	Factor [dB(1/m)]	Level AV [dBμV/m]	Limit [dBμV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1126.561	V	50.0	-20.8	29.2	54.0	24.8	101	84
1313.425	H	49.0	-20.1	28.9	54.0	25.1	400	345
1539.925	H	61.5	-20.1	41.4	54.0	12.6	119	115
1539.929	V	58.6	-20.1	38.5	54.0	15.5	147	102
1876.611	H	46.4	-19.6	26.8	-	-	148	80
1924.795	H	46.6	-19.1	27.5	-	-	156	220
1924.800	V	44.7	-19.1	25.6	-	-	400	269
1999.026	H	45.8	-18.2	27.6	-	-	400	229
2149.855	H	45.6	-17.6	28.0	-	-	400	173
11525.382	H	33.8	-0.9	32.9	54.0	21.1	198	23
11534.563	H	33.8	-0.8	33.0	54.0	21.0	111	313
17347.250	V	31.6	4.7	36.3	-	-	200	308
17348.753	V	31.9	4.7	36.6	-	-	200	107
23156.728	H	34.0	-5.5	28.5	-	-	197	253
23163.255	V	34.2	-5.5	28.7	-	-	199	353
25286.920	H	33.7	-4.6	29.1	-	-	198	314
26436.900	V	33.6	-4.5	29.1	-	-	196	1
28913.131	H	46.2	-15.0	31.2	-	-	100	28
28939.932	V	46.0	-14.9	31.1	-	-	100	261
34681.588	H	46.6	-13.5	33.1	-	-	100	359
34691.943	V	46.3	-13.5	32.8	-	-	100	359

Note: Level AV = Reading AV + Factor

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Table 38: Radiated Emissions, Peak Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11a, 5825MHz

Freq. [MHz]	Antenna Orient.	Reading PK [dBμV]	Factor [dB(1/m)]	Level PK [dBμV/m]	Limit [dBμV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1127.615	V	65.9	-20.8	45.1	74.0	28.9	164	102
1312.226	H	62.9	-20.1	42.8	74.0	31.2	111	333
1540.035	V	67.7	-20.1	47.6	74.0	26.4	129	116
1877.235	H	74.0	-19.6	54.4	68.2	13.8	196	120
1972.625	H	70.8	-18.5	52.3	68.2	15.9	309	80
1982.290	V	60.5	-18.4	42.1	68.2	26.1	212	127
2813.665	V	59.1	-15.9	43.2	74.0	30.8	149	153
7450.758	H	53.7	-4.4	49.3	74.0	24.7	400	256
11675.325	H	46.7	-0.5	46.2	74.0	27.8	200	331
11675.692	V	45.9	-0.5	45.4	74.0	28.6	200	358
17470.360	V	42.7	5.0	47.7	68.2	20.5	160	358
17473.000	H	42.5	5.0	47.5	68.2	20.7	200	0

Note: Level PK = Reading PK + Factor

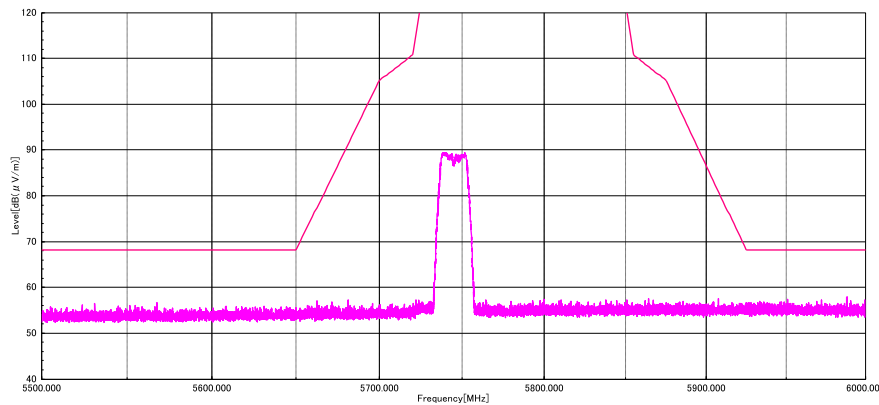
Table 39: Radiated Emissions, Average Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11a, 5825MHz

Freq. [MHz]	Antenna Orient.	Reading AV [dBμV]	Factor [dB(1/m)]	Level AV [dBμV/m]	Limit [dBμV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1127.615	V	49.3	-20.8	28.5	54.0	25.5	164	102
1312.226	H	48.9	-20.1	28.8	54.0	25.2	111	333
1540.035	V	57.1	-20.1	37.0	54.0	17.0	129	116
1877.235	H	46.6	-19.6	27.0	-	-	196	120
1972.625	H	46.3	-18.5	27.8	-	-	309	80
1982.290	V	45.9	-18.4	27.5	-	-	212	127
2813.665	V	45.9	-15.9	30.0	54.0	24.0	149	153
7450.758	H	41.2	-4.4	36.8	54.0	17.2	400	256
11675.325	H	33.7	-0.5	33.2	54.0	20.8	200	331
11675.692	V	34.0	-0.5	33.5	54.0	20.5	200	358
17470.360	V	30.5	5.0	35.5	-	-	160	358
17473.000	H	30.7	5.0	35.7	-	-	200	0

Note: Level AV = Reading AV + Factor

Table 40: Radiated Emissions at Band Edge, Peak, 802.11a, 5745MHz

Horizontal Antenna Orientation



Vertical Antenna Orientation

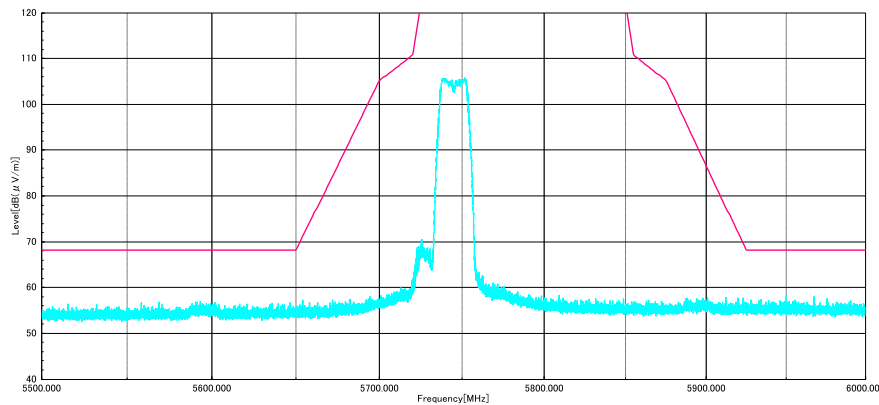
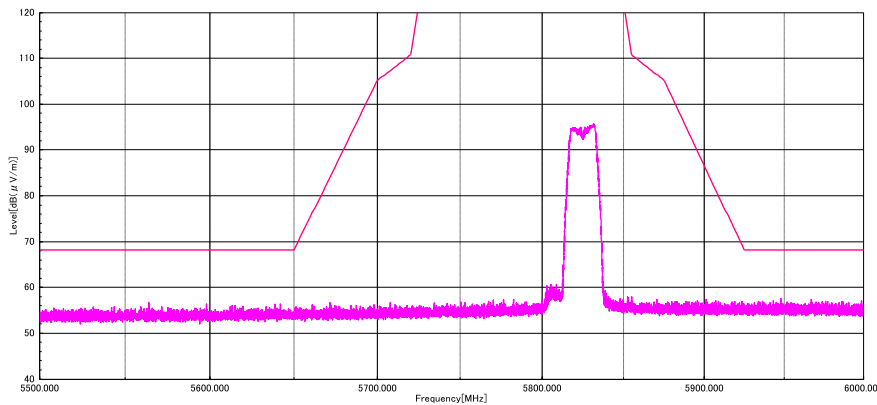
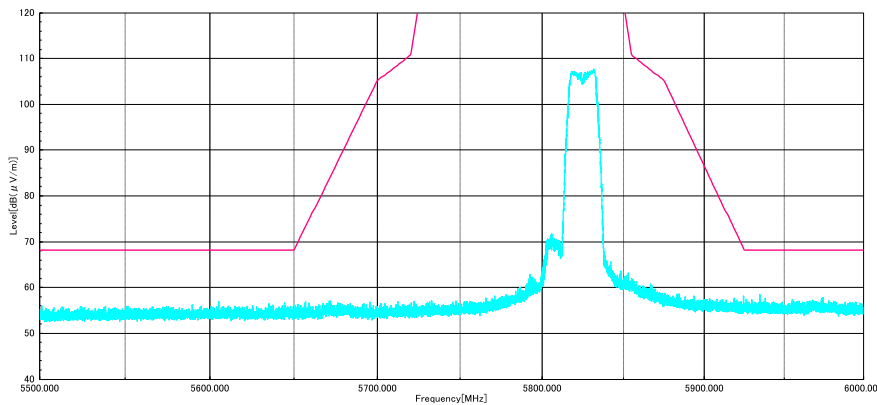


Table 41: Radiated Emissions at Band Edge, Peak, 802.11a, 5825MHz

Horizontal Antenna Orientation



Vertical Antenna Orientation



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Table 42: Radiated Emissions, Peak Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11n (HT20), 5745MHz

Freq. [MHz]	Antenna Orient.	Reading PK [dBμV]	Factor [dB(1/m)]	Level PK [dBμV/m]	Limit [dBμV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1126.194	H	65.3	-20.8	44.5	74.0	29.5	229	1
1313.085	H	64.1	-20.1	44.0	74.0	30.0	100	40
1539.915	H	68.0	-20.1	47.9	74.0	26.1	128	48
1539.915	V	69.9	-20.1	49.8	74.0	24.2	129	140
1925.376	H	74.5	-19.1	55.4	68.2	12.8	183	117
1983.115	H	62.8	-18.4	44.4	68.2	23.8	128	236
7451.923	H	53.8	-4.4	49.4	74.0	24.6	357	1
11437.674	H	46.2	-0.9	45.3	74.0	28.7	196	219
11447.379	V	46.5	-0.9	45.6	74.0	28.4	200	359
17193.454	H	43.9	4.1	48.0	68.2	20.2	100	201
17237.604	V	45.1	4.2	49.3	68.2	18.9	100	145

Note: Level PK = Reading PK + Factor

Table 43: Radiated Emissions, Average Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11n (HT20), 5745MHz

Freq. [MHz]	Antenna Orient.	Reading AV [dBμV]	Factor [dB(1/m)]	Level AV [dBμV/m]	Limit [dBμV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1126.194	H	49.3	-20.8	28.5	54.0	25.5	229	1
1313.085	H	49.7	-20.1	29.6	54.0	24.4	100	40
1539.915	H	57.4	-20.1	37.3	54.0	16.7	128	48
1539.915	V	59.7	-20.1	39.6	54.0	14.4	129	140
1925.376	H	45.7	-19.1	26.6	-	-	183	117
1983.115	H	46.0	-18.4	27.6	-	-	128	236
7451.923	H	41.1	-4.4	36.7	54.0	17.3	357	1
11437.674	H	34.0	-0.9	33.1	54.0	20.9	196	219
11447.379	V	33.9	-0.9	33.0	54.0	21.0	200	359
17193.454	H	31.7	4.1	35.8	-	-	100	201
17237.604	V	32.0	4.2	36.2	-	-	100	145

Note: Level AV = Reading AV + Factor

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Table 44: Radiated Emissions, Peak Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11n (HT20), 5785MHz

Freq. [MHz]	Antenna Orient.	Reading PK [dBμV]	Factor [dB(1/m)]	Level PK [dBμV/m]	Limit [dBμV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1125.664	V	66.6	-20.8	45.8	74.0	28.2	204	180
1312.090	H	64.0	-20.1	43.9	74.0	30.1	242	341
1540.080	V	68.8	-20.1	48.7	74.0	25.3	128	208
1877.484	H	72.2	-19.6	52.6	68.2	15.6	103	99
1924.964	H	70.4	-19.1	51.3	68.2	16.9	212	144
1980.263	H	65.5	-18.4	47.1	68.2	21.1	400	100
2315.805	V	57.8	-17.7	40.1	74.0	33.9	156	126
10400.500	V	44.4	-2.4	42.0	68.2	26.2	151	358
11504.000	H	43.8	-0.9	42.9	74.0	31.1	151	359
11556.220	H	46.2	-0.8	45.4	74.0	28.6	100	43
11556.297	V	45.8	-0.8	45.0	74.0	29.0	173	342
13372.500	V	43.2	0.0	43.2	74.0	30.8	151	1
14278.500	H	44.0	0.5	44.5	68.2	23.7	151	0
17328.943	H	43.7	4.6	48.3	68.2	19.9	100	133
17330.430	V	44.0	4.6	48.6	68.2	19.6	100	184
23122.354	V	46.8	-5.5	41.3	68.2	26.9	100	299
23154.271	H	46.0	-5.5	40.5	68.2	27.7	159	1
24770.615	V	46.6	-4.7	41.9	68.2	26.3	100	356
26063.024	H	46.6	-4.6	42.0	68.2	26.2	196	218
28915.198	H	58.1	-14.9	43.2	68.2	25.0	100	1
28930.193	V	58.2	-14.9	43.3	68.2	24.9	100	302
34673.290	H	58.4	-13.5	44.9	68.2	23.3	124	1
34746.694	V	58.1	-13.5	44.6	68.2	23.6	100	317

Note: Level PK = Reading PK + Factor

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Table 45: Radiated Emissions, Average Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11n (HT20), 5785MHz

Freq. [MHz]	Antenna Orient.	Reading AV [dBμV]	Factor [dB(1/m)]	Level AV [dBμV/m]	Limit [dBμV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1125.664	V	49.7	-20.8	28.9	54.0	25.1	204	180
1312.090	H	49.8	-20.1	29.7	54.0	24.3	242	341
1540.080	V	57.8	-20.1	37.7	54.0	16.3	128	208
1877.484	H	45.8	-19.6	26.2	-	-	103	99
1924.964	H	44.9	-19.1	25.8	-	-	212	144
1980.263	H	46.2	-18.4	27.8	-	-	400	100
2315.805	V	45.4	-17.7	27.7	54.0	26.3	156	126
10400.500	V	38.5	-2.4	36.1	-	-	151	358
11504.000	H	38.8	-0.9	37.9	54.0	16.1	151	359
11556.220	H	33.7	-0.8	32.9	54.0	21.1	100	43
11556.297	V	34.0	-0.8	33.2	54.0	20.8	173	342
13372.500	V	38.8	0.0	38.8	54.0	15.2	151	1
14278.500	H	38.5	0.5	39.0	-	-	151	0
17328.943	H	31.9	4.6	36.5	-	-	100	133
17330.430	V	31.9	4.6	36.5	-	-	100	184
23122.354	V	34.5	-5.5	29.0	-	-	100	299
23154.271	H	33.9	-5.5	28.4	-	-	159	1
24770.615	V	34.2	-4.7	29.5	-	-	100	356
26063.024	H	33.7	-4.6	29.1	-	-	196	218
28915.198	H	46.0	-14.9	31.1	-	-	100	1
28930.193	V	46.1	-14.9	31.2	-	-	100	302
34673.290	H	46.2	-13.5	32.7	-	-	124	1
34746.694	V	45.9	-13.5	32.4	-	-	100	317

Note: Level AV = Reading AV + Factor

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Table 46: Radiated Emissions, Peak Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11n (HT20), 5825MHz

Freq. [MHz]	Antenna Orient.	Reading PK [dBμV]	Factor [dB(1/m)]	Level PK [dBμV/m]	Limit [dBμV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1127.401	V	65.5	-20.8	44.7	74.0	29.3	110	67
1316.065	H	64.2	-20.1	44.1	74.0	29.9	100	43
1539.975	V	68.4	-20.1	48.3	74.0	25.7	120	200
1843.975	H	58.1	-19.8	38.3	68.2	29.9	400	0
1924.986	V	70.3	-19.1	51.2	68.2	17.0	106	302
1965.135	H	64.3	-18.6	45.7	68.2	22.5	400	271
2185.204	H	61.2	-17.6	43.6	68.2	24.6	100	119
2309.990	V	60.4	-17.7	42.7	68.2	25.5	139	114
3061.481	H	57.5	-14.4	43.1	68.2	25.1	238	132
11699.070	H	46.2	-0.5	45.7	74.0	28.3	200	341
11705.089	V	46.1	-0.4	45.7	74.0	28.3	100	339
17486.771	H	42.3	5.1	47.4	68.2	20.8	196	151
17497.675	V	42.7	5.1	47.8	68.2	20.4	100	341

Note: Level PK = Reading PK + Factor

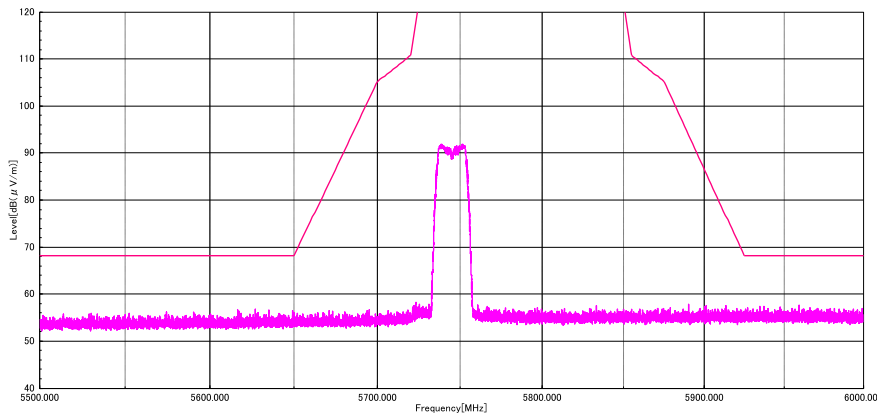
Table 47: Radiated Emissions, Average Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11n (HT20), 5825MHz

Freq. [MHz]	Antenna Orient.	Reading AV [dBμV]	Factor [dB(1/m)]	Level AV [dBμV/m]	Limit [dBμV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1127.401	V	49.1	-20.8	28.3	54.0	25.7	110	67
1316.065	H	50.3	-20.1	30.2	54.0	23.8	100	43
1539.975	V	58.5	-20.1	38.4	54.0	15.6	120	200
1843.975	H	45.9	-19.8	26.1	-	-	400	0
1924.986	V	45.3	-19.1	26.2	-	-	106	302
1965.135	H	46.4	-18.6	27.8	-	-	400	271
2185.204	H	45.6	-17.6	28.0	-	-	100	119
2309.990	V	46.0	-17.7	28.3	-	-	139	114
3061.481	H	44.7	-14.4	30.3	-	-	238	132
11699.070	H	33.7	-0.5	33.2	54.0	20.8	200	341
11705.089	V	33.8	-0.4	33.4	54.0	20.6	100	339
17486.771	H	30.7	5.1	35.8	-	-	196	151
17497.675	V	30.7	5.1	35.8	-	-	100	341

Note: Level AV = Reading AV + Factor

Table 48: Radiated Emissions at Band Edge, Peak, 802.11n (HT20), 5745MHz

Horizontal Antenna Orientation



Vertical Antenna Orientation

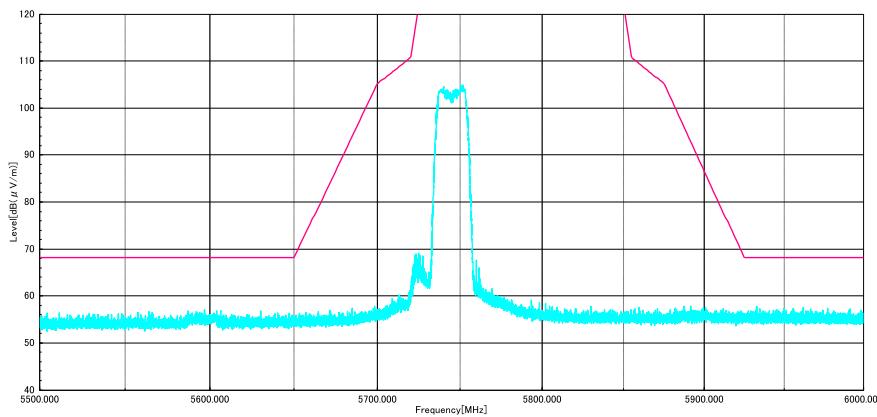
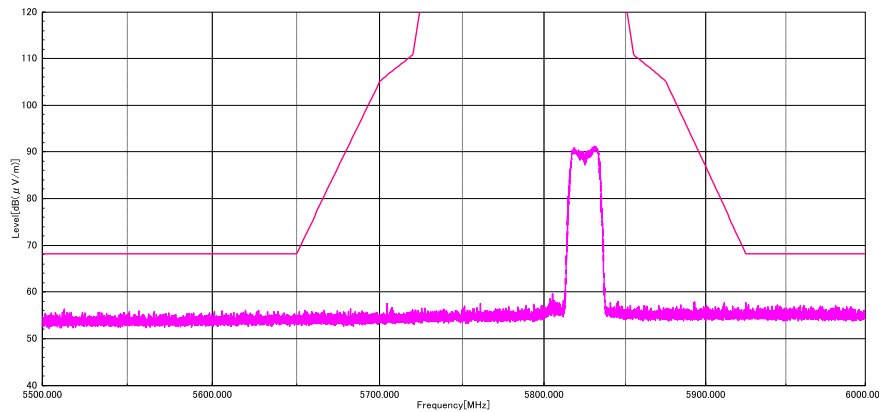
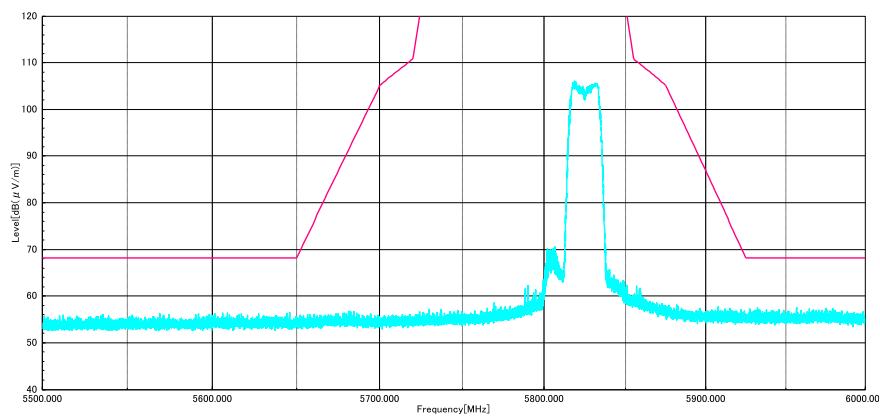


Table 49: Radiated Emissions at Band Edge, Peak, 802.11n (HT20), 5825MHz

Horizontal Antenna Orientation



Vertical Antenna Orientation



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Table 50: Radiated Emissions, Peak Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11n (HT40), 5755MHz

Freq. [MHz]	Antenna Orient.	Reading PK [dBµV]	Factor [dB(1/m)]	Level PK [dBµV/m]	Limit [dBµV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1125.040	V	66.6	-20.8	45.8	74.0	28.2	106	106
1126.495	H	64.6	-20.8	43.8	74.0	30.2	198	359
1315.183	H	60.0	-20.1	39.9	74.0	34.1	400	359
1540.100	V	62.2	-20.1	42.1	74.0	31.9	129	55
1828.022	H	66.0	-19.9	46.1	68.2	22.1	382	359
6765.604	H	54.0	-5.5	48.5	68.2	19.7	400	1
7260.519	V	54.5	-4.1	50.4	74.0	23.6	383	287
11504.442	H	46.6	-0.9	45.7	74.0	28.3	101	1
11532.544	V	45.6	-0.8	44.8	74.0	29.2	100	204
17282.233	V	44.0	4.4	48.4	68.2	19.8	100	68
17287.440	H	44.5	4.4	48.9	68.2	19.3	200	173
23017.124	H	46.1	-5.6	40.5	74.0	33.5	100	359
23020.812	V	46.8	-5.6	41.2	74.0	32.8	111	254
25313.455	H	45.7	-4.6	41.1	68.2	27.1	152	359
26308.468	V	46.2	-4.6	41.6	68.2	26.6	100	34
28758.525	H	58.6	-15.0	43.6	68.2	24.6	100	145
28793.771	V	58.8	-15.0	43.8	68.2	24.4	200	1
34521.673	H	58.8	-13.6	45.2	68.2	23.0	200	4
34582.807	V	58.3	-13.5	44.8	68.2	23.4	193	278

Note: Level PK = Reading PK + Factor

Table 51: Radiated Emissions, Average Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11n (HT40), 5755MHz

Freq. [MHz]	Antenna Orient.	Reading AV [dBµV]	Factor [dB(1/m)]	Level AV [dBµV/m]	Limit [dBµV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1125.040	V	49.9	-20.8	29.1	54.0	24.9	106	106
1126.495	H	48.9	-20.8	28.1	54.0	25.9	198	359
1315.183	H	47.6	-20.1	27.5	54.0	26.5	400	359
1540.100	V	52.9	-20.1	32.8	54.0	21.2	129	55
1828.022	H	45.9	-19.9	26.0	-	-	382	359
6765.604	H	41.9	-5.5	36.4	-	-	400	1
7260.519	V	41.7	-4.1	37.6	54.0	16.4	383	287
11504.442	H	33.8	-0.9	32.9	54.0	21.1	101	1
11532.544	V	33.8	-0.8	33.0	54.0	21.0	100	204
17282.233	V	32.0	4.4	36.4	-	-	100	68
17287.440	H	32.3	4.4	36.7	-	-	200	173
23017.124	H	34.1	-5.6	28.5	54.0	25.5	100	359
23020.812	V	34.2	-5.6	28.6	54.0	25.4	111	254
25313.455	H	33.2	-4.6	28.6	-	-	152	359
26308.468	V	33.9	-4.6	29.3	-	-	100	34
28758.525	H	46.2	-15.0	31.2	-	-	100	145
28793.771	V	46.2	-15.0	31.2	-	-	200	1
34521.673	H	46.4	-13.6	32.8	-	-	200	4
34582.807	V	46.3	-13.5	32.8	-	-	193	278

Note: Level AV = Reading AV + Factor

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Table 52: Radiated Emissions, Peak Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11n (HT40), 5795MHz

Freq. [MHz]	Antenna Orient.	Reading PK [dBμV]	Factor [dB(1/m)]	Level PK [dBμV/m]	Limit [dBμV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1123.922	V	65.4	-20.8	44.6	74.0	29.4	346	342
1539.995	H	63.8	-20.1	43.7	74.0	30.3	225	128
1828.771	V	66.6	-19.9	46.7	68.2	21.5	188	1
1876.970	H	63.3	-19.6	43.7	68.2	24.5	391	1
1878.258	V	57.6	-19.5	38.1	68.2	30.1	359	73
1971.850	V	61.5	-18.5	43.0	68.2	25.2	273	57
2820.411	V	60.1	-15.8	44.3	74.0	29.7	230	193
7993.049	H	53.2	-3.3	49.9	68.2	18.3	274	251
11546.163	H	46.2	-0.8	45.4	74.0	28.6	197	359
11546.341	V	46.0	-0.8	45.2	74.0	28.8	199	335
17312.395	V	43.8	4.5	48.3	68.2	19.9	199	18
17335.472	H	44.2	4.6	48.8	68.2	19.4	201	6

Note: Level PK = Reading PK + Factor

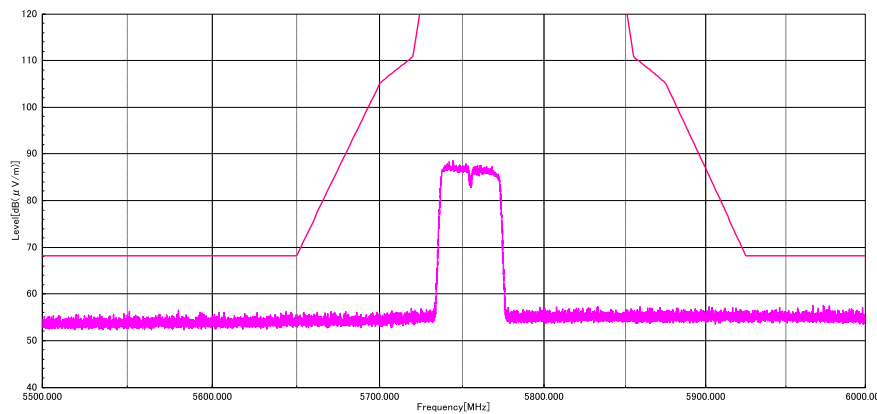
Table 53: Radiated Emissions, Average Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11n (HT40), 5795MHz

Freq. [MHz]	Antenna Orient.	Reading AV [dBμV]	Factor [dB(1/m)]	Level AV [dBμV/m]	Limit [dBμV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1123.922	V	48.9	-20.8	28.1	54.0	25.9	346	342
1539.995	H	53.4	-20.1	33.3	54.0	20.7	225	128
1828.771	V	46.0	-19.9	26.1	-	-	188	1
1876.970	H	44.9	-19.6	25.3	-	-	391	1
1878.258	V	45.8	-19.5	26.3	-	-	359	73
1971.850	V	46.1	-18.5	27.6	-	-	273	57
2820.411	V	46.1	-15.8	30.3	54.0	23.7	230	193
7993.049	H	40.6	-3.3	37.3	-	-	274	251
11546.163	H	33.9	-0.8	33.1	54.0	20.9	197	359
11546.341	V	33.9	-0.8	33.1	54.0	20.9	199	335
17312.395	V	31.9	4.5	36.4	-	-	199	18
17335.472	H	32.0	4.6	36.6	-	-	201	6

Note: Level AV = Reading AV + Factor

Table 54: Radiated Emissions at Band Edge, Peak, 802.11n (HT40), 5755MHz

Horizontal Antenna Orientation



Vertical Antenna Orientation

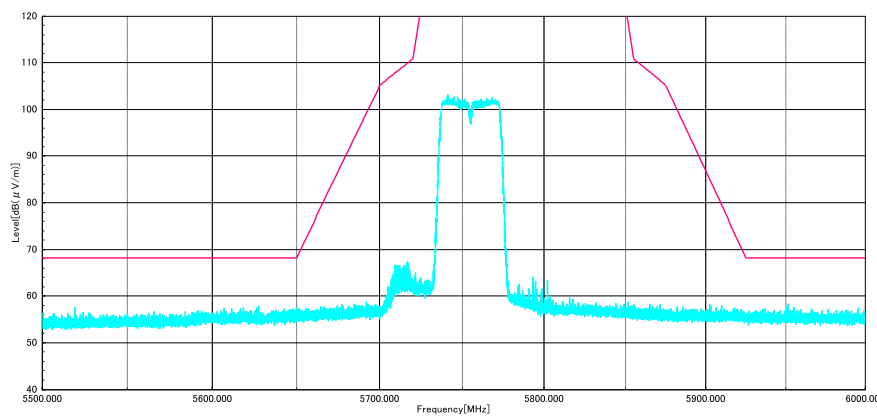
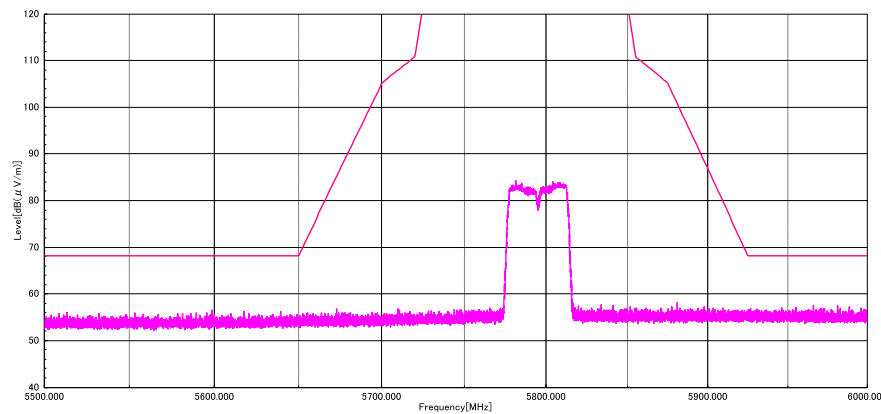
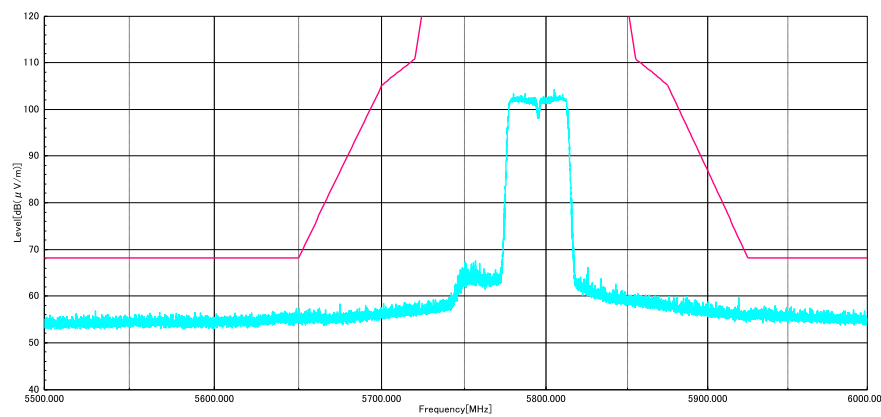


Table 55: Radiated Emissions at Band Edge, Peak, 802.11n (HT40), 5795MHz

Horizontal Antenna Orientation



Vertical Antenna Orientation



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Table 56: Radiated Emissions, Peak Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11ac (VHT40), 5755MHz

Freq. [MHz]	Antenna Orient.	Reading PK [dBμV]	Factor [dB(1/m)]	Level PK [dBμV/m]	Limit [dBμV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1124.929	V	66.8	-20.8	46.0	74.0	28.0	100	106
1125.837	H	63.3	-20.8	42.5	74.0	31.5	400	0
1539.925	V	65.4	-20.1	45.3	74.0	28.7	149	62
1540.010	H	64.3	-20.1	44.2	74.0	29.8	106	238
1947.025	H	57.4	-18.8	38.6	68.2	29.6	138	359
7618.244	H	53.2	-4.3	48.9	74.0	25.1	347	109
11520.857	H	46.2	-0.9	45.3	74.0	28.7	200	1
11522.311	V	46.2	-0.9	45.3	74.0	28.7	189	122
17263.775	H	44.1	4.3	48.4	68.2	19.8	173	212
17278.309	V	44.3	4.4	48.7	68.2	19.5	100	156
23011.740	H	46.0	-5.6	40.4	74.0	33.6	196	347
23028.144	H	46.3	-5.6	40.7	74.0	33.3	100	30
24828.707	H	46.2	-4.7	41.5	68.2	26.7	200	1
25002.053	V	45.8	-4.7	41.1	68.2	27.1	193	291
28755.691	V	58.4	-15.0	43.4	68.2	24.8	168	327
28756.848	H	58.2	-15.0	43.2	68.2	25.0	106	1
34507.442	H	58.6	-13.6	45.0	68.2	23.2	100	295
34518.782	V	58.3	-13.6	44.7	68.2	23.5	168	349

Note: Level PK = Reading PK + Factor

Table 57: Radiated Emissions, Average Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11ac (VHT40), 5755MHz

Freq. [MHz]	Antenna Orient.	Reading AV [dBμV]	Factor [dB(1/m)]	Level AV [dBμV/m]	Limit [dBμV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1124.929	V	50.4	-20.8	29.6	54.0	24.4	100	106
1125.837	H	48.2	-20.8	27.4	54.0	26.6	400	0
1539.925	V	55.1	-20.1	35.0	54.0	19.0	149	62
1540.010	H	53.4	-20.1	33.3	54.0	20.7	106	238
1947.025	H	45.7	-18.8	26.9	-	-	138	359
7618.244	H	41.1	-4.3	36.8	54.0	17.2	347	109
11520.857	H	34.0	-0.9	33.1	54.0	20.9	200	1
11522.311	V	34.0	-0.9	33.1	54.0	20.9	189	122
17263.775	H	32.0	4.3	36.3	-	-	173	212
17278.309	V	32.0	4.4	36.4	-	-	100	156
23011.740	H	33.8	-5.6	28.2	54.0	25.8	196	347
23028.144	H	34.2	-5.6	28.6	54.0	25.4	100	30
24828.707	H	33.5	-4.7	28.8	-	-	200	1
25002.053	V	33.9	-4.7	29.2	-	-	193	291
28755.691	V	46.3	-15.0	31.3	-	-	168	327
28756.848	H	46.4	-15.0	31.4	-	-	106	1
34507.442	H	46.6	-13.6	33.0	-	-	100	295
34518.782	V	46.2	-13.6	32.6	-	-	168	349

Note: Level AV = Reading AV + Factor

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Table 58: Radiated Emissions, Peak Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11ac (VHT40), 5795MHz

Freq. [MHz]	Antenna Orient.	Reading PK [dBμV]	Factor [dB(1/m)]	Level PK [dBμV/m]	Limit [dBμV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1124.938	H	66.1	-20.8	45.3	74.0	28.7	275	190
1125.238	V	66.4	-20.8	45.6	74.0	28.4	104	100
1540.025	V	66.9	-20.1	46.8	74.0	27.2	158	72
1540.125	H	61.1	-20.1	41.0	74.0	33.0	100	71
7250.932	V	53.0	-4.2	48.8	74.0	25.2	299	234
7314.019	H	53.8	-4.1	49.7	74.0	24.3	361	359
11553.018	H	46.3	-0.8	45.5	74.0	28.5	199	41
11558.667	V	45.9	-0.8	45.1	74.0	28.9	101	340
17304.466	V	44.1	4.5	48.6	68.2	19.6	100	23
17346.458	H	43.5	4.7	48.2	68.2	20.0	200	269

Note: Level PK = Reading PK + Factor

Table 59: Radiated Emissions, Average Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11ac (VHT40), 5795MHz

Freq. [MHz]	Antenna Orient.	Reading AV [dBμV]	Factor [dB(1/m)]	Level AV [dBμV/m]	Limit [dBμV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1124.938	H	49.3	-20.8	28.5	54.0	25.5	275	190
1125.238	V	49.9	-20.8	29.1	54.0	24.9	104	100
1540.025	V	56.8	-20.1	36.7	54.0	17.3	158	72
1540.125	H	50.9	-20.1	30.8	54.0	23.2	100	71
7250.932	V	40.7	-4.2	36.5	54.0	17.5	299	234
7314.019	H	41.4	-4.1	37.3	54.0	16.7	361	359
11553.018	H	33.9	-0.8	33.1	54.0	20.9	199	41
11558.667	V	33.7	-0.8	32.9	54.0	21.1	101	340
17304.466	V	31.8	4.5	36.3	-	-	100	23
17346.458	H	31.8	4.7	36.5	-	-	200	269

Note: Level AV = Reading AV + Factor

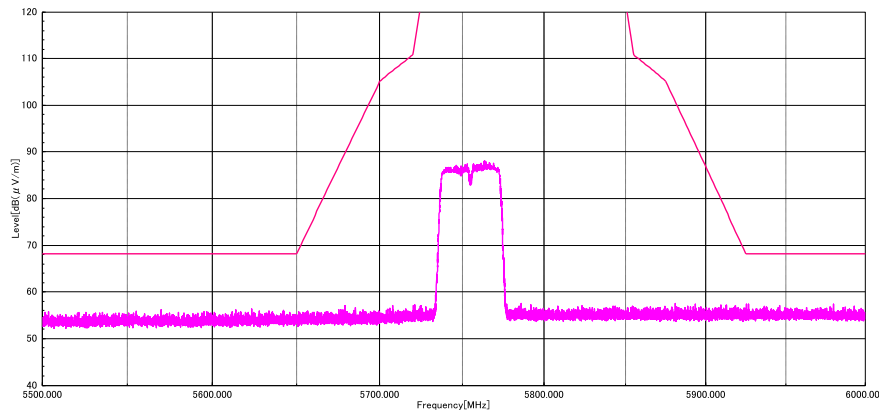
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Table 60: Radiated Emissions at Band Edge, Peak, 802.11ac (VHT40), 5755MHz

Horizontal Antenna Orientation



Vertical Antenna Orientation

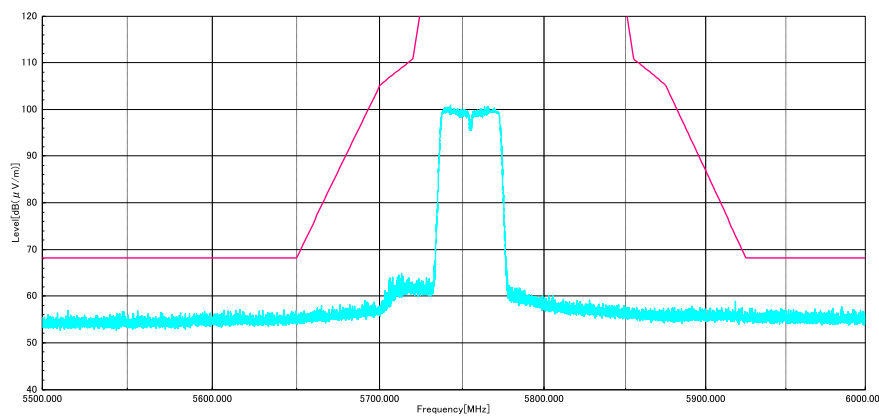
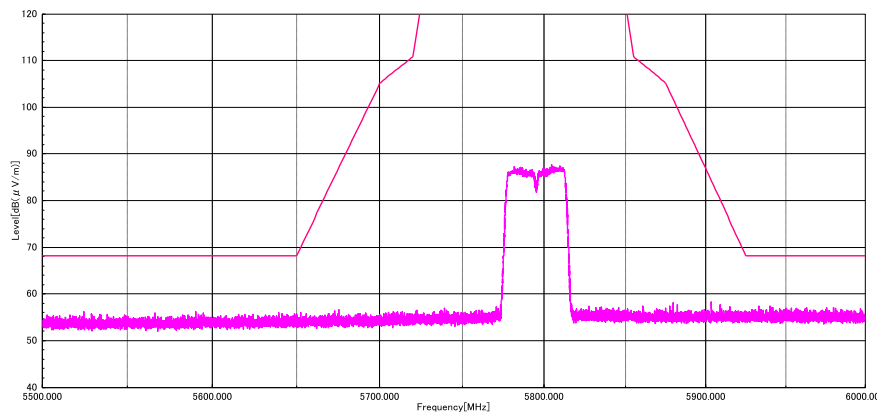
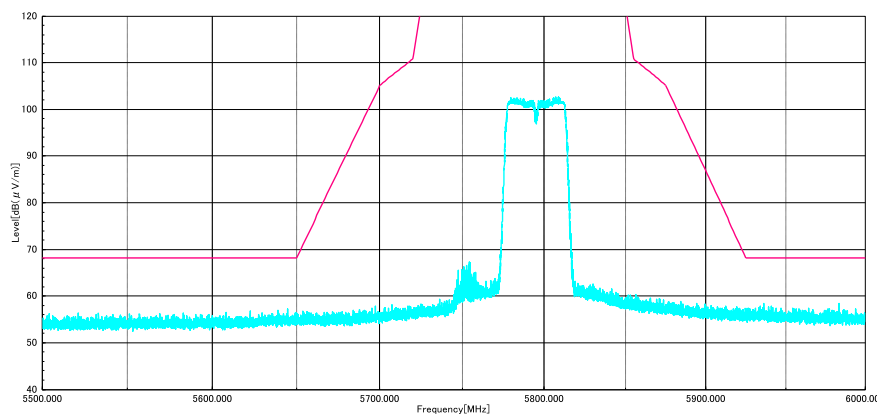


Table 61: Radiated Emissions at Band Edge, Peak, 802.11ac (VHT40), 5795MHz

Horizontal Antenna Orientation



Vertical Antenna Orientation



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Table 62: Radiated Emissions, Peak Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11ac (VHT80), 5775MHz

Freq. [MHz]	Antenna Orient.	Reading PK [dBμV]	Factor [dB(1/m)]	Level PK [dBμV/m]	Limit [dBμV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1128.403	V	62.6	-20.8	41.8	74.0	32.2	100	271
1539.975	H	68.7	-20.1	48.6	74.0	25.4	139	145
1540.005	V	67.5	-20.1	47.4	74.0	26.6	143	64
1973.950	H	63.9	-18.5	45.4	68.2	22.8	243	89
7293.291	V	54.4	-4.1	50.3	74.0	23.7	400	136
7859.529	H	52.8	-3.5	49.3	68.2	18.9	366	140
11469.271	H	46.6	-0.9	45.7	74.0	28.3	199	154
11475.462	V	46.7	-0.9	45.8	74.0	28.2	200	109
17231.803	H	44.1	4.2	48.3	68.2	19.9	110	1
17668.204	V	42.6	5.3	47.9	68.2	20.3	123	126
23032.707	V	46.1	-5.6	40.5	74.0	33.5	185	123
23045.353	H	46.5	-5.6	40.9	74.0	33.1	100	355
25314.180	V	45.7	-4.6	41.1	68.2	27.1	100	279
26021.945	H	45.9	-4.5	41.4	68.2	26.8	200	75
28763.623	H	58.5	-15.0	43.5	68.2	24.7	100	89
28782.095	V	58.3	-15.0	43.3	68.2	24.9	102	359
34526.752	H	58.6	-13.6	45.0	68.2	23.2	100	94
34584.111	V	58.3	-13.5	44.8	68.2	23.4	100	199

Note: Level PK = Reading PK + Factor

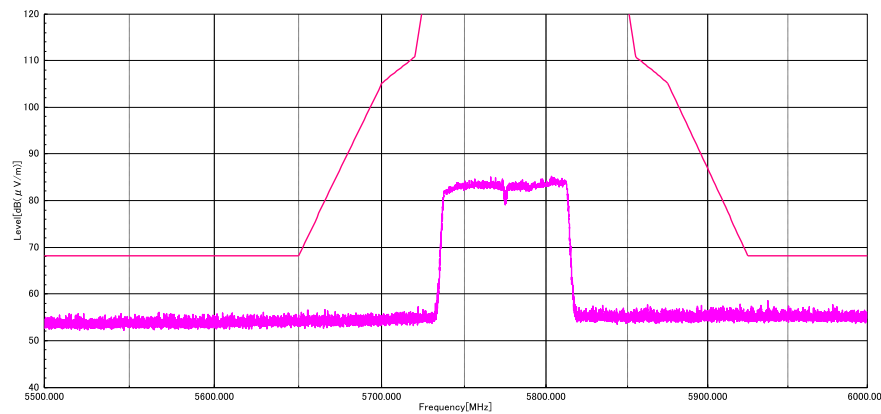
Table 63: Radiated Emissions, Average Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, 802.11ac (VHT80), 5775MHz

Freq. [MHz]	Antenna Orient.	Reading AV [dBμV]	Factor [dB(1/m)]	Level AV [dBμV/m]	Limit [dBμV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1128.403	V	48.2	-20.8	27.4	54.0	26.6	100	271
1539.975	H	56.9	-20.1	36.8	54.0	17.2	139	145
1540.005	V	56.5	-20.1	36.4	54.0	17.6	143	64
1973.950	H	46.0	-18.5	27.5	-	-	243	89
7293.291	V	41.6	-4.1	37.5	54.0	16.5	400	136
7859.529	H	40.8	-3.5	37.3	-	-	366	140
11469.271	H	34.0	-0.9	33.1	54.0	20.9	199	154
11475.462	V	33.9	-0.9	33.0	54.0	21.0	200	109
17231.803	H	32.0	4.2	36.2	-	-	110	1
17668.204	V	30.4	5.3	35.7	-	-	123	126
23032.707	V	34.0	-5.6	28.4	54.0	25.6	185	123
23045.353	H	34.2	-5.6	28.6	54.0	25.4	100	355
25314.180	V	33.7	-4.6	29.1	-	-	100	279
26021.945	H	33.5	-4.5	29.0	-	-	200	75
28763.623	H	46.7	-15.0	31.7	-	-	100	89
28782.095	V	46.4	-15.0	31.4	-	-	102	359
34526.752	H	46.7	-13.6	33.1	-	-	100	94
34584.111	V	46.5	-13.5	33.0	-	-	100	199

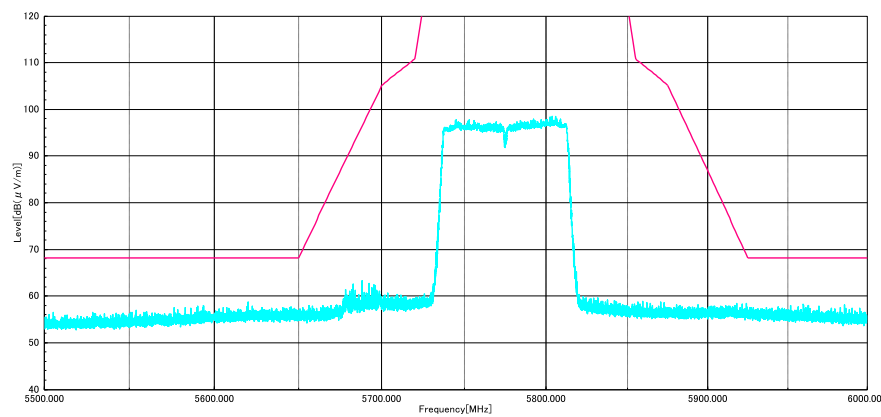
Note: Level AV = Reading AV + Factor

Table 64: Radiated Emissions at Band Edge, Peak, 802.11ac (VHT80), 5775MHz

Horizontal Antenna Orientation



Vertical Antenna Orientation



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Table 65: Radiated Emissions, Quasi Peak Data, 9kHz - 30MHz, Simultaneous Transmission, Bluetooth Classic + 802.11a, 5785MHz

Freq. [MHz]	Antenna Orientation	Reading QP [dBμV]	Factor [dB(1/m)]	Level QP [dBμV/m]	Limit [dBμV/m]	Margin QP [dB]	Angle [°]
0.0091	H	22.6	19.9	42.5	128.4	85.9	170
0.0103	V	23.2	19.8	43.0	127.3	84.3	161
0.0303	H	7.9	19.6	27.5	118.0	90.5	95
0.0339	V	7.0	19.6	26.6	117.0	90.4	115
0.2072	H	10.1	19.5	29.6	101.3	71.7	93
0.2639	V	8.4	19.4	27.8	99.2	71.4	292
1.9978	V	3.6	19.4	23.0	69.5	46.5	328
3.6263	H	4.0	19.6	23.6	69.5	45.9	319
23.8328	V	6.2	20.3	26.5	69.5	43.0	188
26.0934	H	5.0	20.3	25.3	69.5	44.2	154

Note: Level QP = Reading QP + Factor

Table 66: Radiated Emissions, Quasi Peak Data, 30MHz - 1GHz, Horizontal and Vertical Antenna Orientations, Simultaneous Transmission, Bluetooth Classic + 802.11a, 5785MHz

Freq. [MHz]	Antenna Orient.	Reading QP [dBμV]	Factor [dB(1/m)]	Level QP [dBμV/m]	Limit [dBμV/m]	Margin QP [dB]	Height [cm]	Angle [°]
43.328	V	43.1	-21.1	22.0	40.0	18.0	120	359
92.451	V	48.4	-26.4	22.0	43.5	21.5	107	84
110.999	V	45.7	-23.8	21.9	43.5	21.6	103	120
255.224	H	43.5	-20.8	22.7	46.0	23.3	110	219
358.808	H	38.4	-17.1	21.3	46.0	24.7	100	139
685.966	H	34.6	-10.1	24.5	46.0	21.5	120	187
711.519	V	32.7	-10.0	22.7	46.0	23.3	145	185
875.127	V	34.3	-7.3	27.0	46.0	19.0	132	24

Note: Level QP = Reading QP + Factor

Table 67: Radiated Emissions, Peak Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, Simultaneous Transmission, Bluetooth Classic + 802.11a, 5785MHz

Freq. [MHz]	Antenna Orient.	Reading PK [dBµV]	Factor [dB(1/m)]	Level PK [dBµV/m]	Limit [dBµV/m]	Margin PK [dB]	Height [cm]	Angle [°]
1125.147	V	64.8	-20.9	43.9	74.0	30.1	101	83
1312.474	H	63.6	-20.2	43.4	74.0	30.6	188	19
1851.630	H	56.8	-19.5	37.3	68.2	30.9	400	227
1852.711	V	56.3	-19.5	36.8	68.2	31.4	400	120
1938.186	H	65.9	-18.5	47.4	68.2	20.8	397	359
4755.661	V	55.8	-11.6	44.2	74.0	29.8	400	356
7899.656	V	53.1	-4.2	48.9	68.2	19.3	106	359
9746.735	V	47.7	-3.0	44.7	68.2	23.5	100	262
11532.563	V	46.4	-0.8	45.6	74.0	28.4	110	76
12158.941	H	45.9	0.1	46.0	74.0	28.0	156	198
23155.748	H	46.7	-5.5	41.2	68.2	27.0	199	134
23162.319	V	47.2	-5.5	41.7	68.2	26.5	100	7
26081.362	V	46.2	-4.6	41.6	68.2	26.6	199	355
26196.764	H	45.9	-4.7	41.2	68.2	27.0	106	43
28917.501	V	58.3	-14.9	43.4	68.2	24.8	100	359
28922.385	H	58.1	-14.9	43.2	68.2	25.0	100	359
34684.081	V	58.3	-13.5	44.8	68.2	23.4	200	88
34717.968	H	58.0	-13.5	44.5	68.2	23.7	193	359

Note: Level PK = Reading PK + Factor

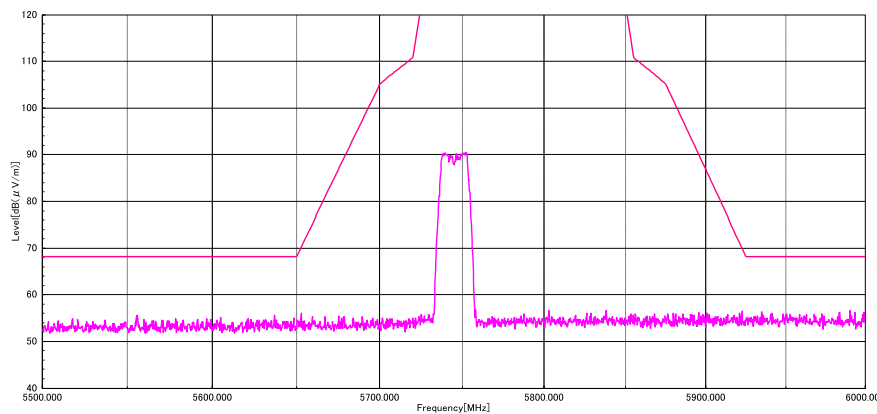
Table 68: Radiated Emissions, Average Data, 1 - 40GHz, Horizontal and Vertical Antenna Orientations, Simultaneous Transmission, Bluetooth Classic + 802.11a, 5785MHz

Freq. [MHz]	Antenna Orient.	Reading AV [dBµV]	Factor [dB(1/m)]	Level AV [dBµV/m]	Limit [dBµV/m]	Margin AV [dB]	Height [cm]	Angle [°]
1125.147	V	50.4	-20.9	29.5	54.0	24.5	101	83
1312.474	H	49.7	-20.2	29.5	54.0	24.5	188	19
1851.630	H	45.7	-19.5	26.2	-	-	400	227
1852.711	V	45.8	-19.5	26.3	-	-	400	120
1938.186	H	45.9	-18.5	27.4	-	-	397	359
4755.661	V	43.6	-11.6	32.0	54.0	22.0	400	356
7899.656	V	40.7	-4.2	36.5	-	-	106	359
9746.735	V	34.9	-3.0	31.9	-	-	100	262
11532.563	V	33.8	-0.8	33.0	54.0	21.0	110	76
12158.941	H	33.5	0.1	33.6	54.0	20.4	156	198
23155.748	H	34.5	-5.5	29.0	-	-	199	134
23162.319	V	34.4	-5.5	28.9	-	-	100	7
26081.362	V	34.1	-4.6	29.5	-	-	199	355
26196.764	H	34.0	-4.7	29.3	-	-	106	43
28917.501	V	46.0	-14.9	31.1	-	-	100	359
28922.385	H	46.1	-14.9	31.2	-	-	100	359
34684.081	V	46.2	-13.5	32.7	-	-	200	88
34717.968	H	46.0	-13.5	32.5	-	-	193	359

Note: Level AV = Reading AV + Factor

Table 69: Radiated Emissions at Band Edge, Peak, Simultaneous Transmission, Bluetooth Classic + 802.11a, 5745MHz

Horizontal Antenna Orientation



Vertical Antenna Orientation

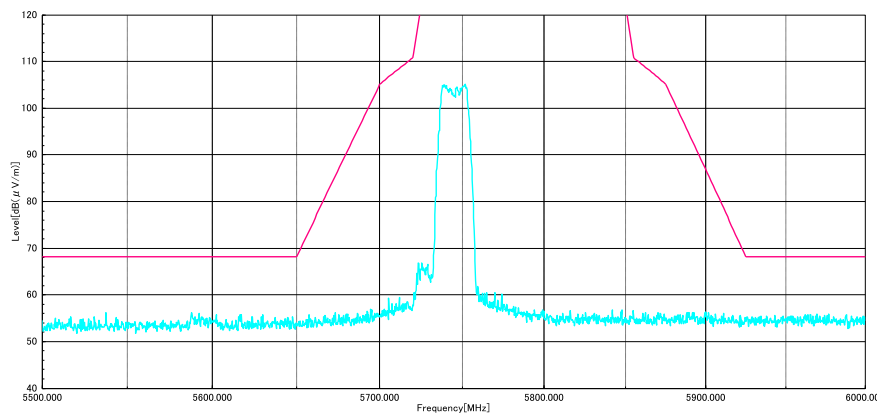
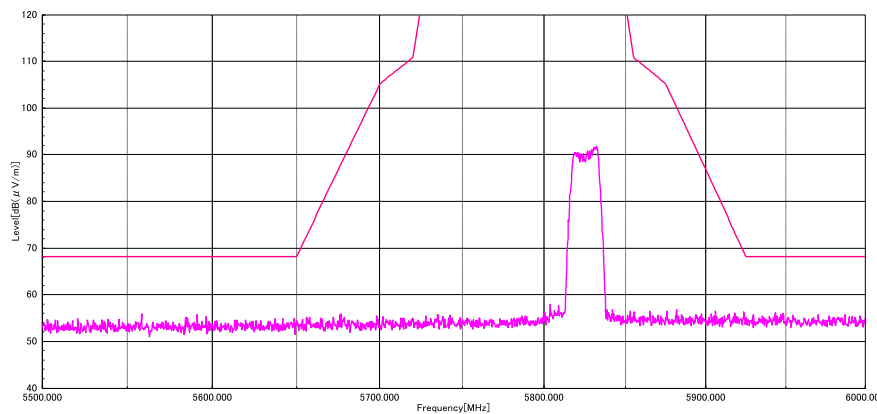
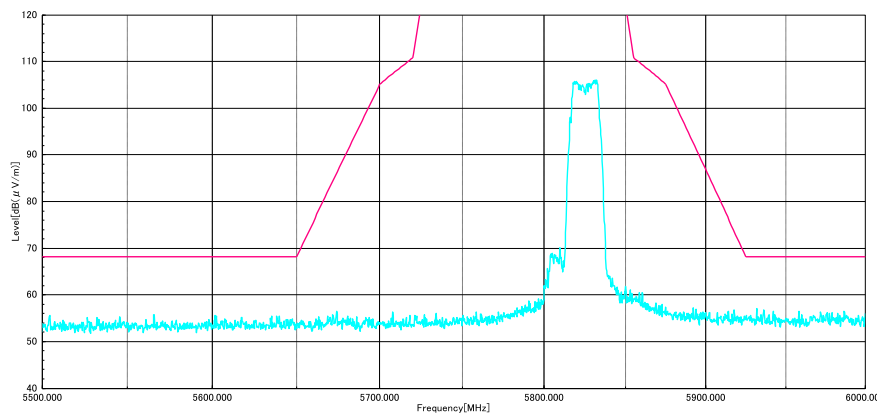


Table 70: Radiated Emissions at Band Edge, Peak, Simultaneous Transmission, Bluetooth Classic + 802.11a, 5825MHz

Horizontal Antenna Orientation



Vertical Antenna Orientation



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5.10 Frequency Stability

RESULT:

For. Ref.

Date of testing: 2026-06-30

Ambient temperature: 28°C

Relative humidity: 46%

Atmospheric pressure: 1006hPa

Kind of test site: Temperature Chamber

Requirements:

FCC §15.407 (g) and §2.1055 (a) (1)

The frequency tolerance of the carrier signal shall be maintained within the operating frequency over a temperature variation of -30°C to +50°C at normal supply voltage.

Test procedure:

ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024 §6.8

The EUT was placed inside a temperature.

The carrier frequency was measured at the antenna port with a spectrum analyzer. Measurements were performed from +50°C down to -30°C for every 10°C.

For each temperature step, the measurements started after the temperature was sufficiently stabilized and were performed at start-up of the EUT, and then after two, five and ten minutes, respectively.

The EUT was turned off during temperature changes.

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Table 71: Frequency Stability at 50°C, 802.11ac (VHT40), 5795MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5795	5794.97132	0.00049%
2	5795	5794.96262	0.00065%
5	5795	5794.96959	0.00052%
10	5795	5794.97782	0.00038%

Table 72: Frequency Stability at 40°C, 802.11ac (VHT40), 5795MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5795	5794.96102	0.00067%
2	5795	5794.95682	0.00075%
5	5795	5794.97631	0.00041%
10	5795	5794.96517	0.00060%

Table 73: Frequency Stability at 30°C, 802.11ac (VHT40), 5795MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5795	5794.98166	0.00032%
2	5795	5794.97095	0.00050%
5	5795	5794.96855	0.00054%
10	5795	5794.97285	0.00047%

Table 74: Frequency Stability at 20°C, 802.11ac (VHT40), 5795MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5795	5794.99434	0.00010%
2	5795	5794.98855	0.00020%
5	5795	5794.99438	0.00010%
10	5795	5794.99456	0.00009%

Table 75: Frequency Stability at 10°C, 802.11ac (VHT40), 5795MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5795	5794.99932	0.00001%
2	5795	5795.00507	-0.00009%
5	5795	5795.00615	-0.00011%
10	5795	5795.00603	-0.00010%

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Table 76: Frequency Stability at 0°C, 802.11ac (VHT40), 5795MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5795	5795.01615	-0.00028%
2	5795	5795.01745	-0.00030%
5	5795	5795.02025	-0.00035%
10	5795	5795.01305	-0.00023%

Table 77: Frequency Stability at -10°C, 802.11ac (VHT40), 5795MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5795	5795.03675	-0.00063%
2	5795	5795.03005	-0.00052%
5	5795	5795.02991	-0.00052%
10	5795	5795.04665	-0.00081%

Table 78: Frequency Stability at -20°C, 802.11ac (VHT40), 5795MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5795	5795.04176	-0.00072%
2	5795	5795.04346	-0.00075%
5	5795	5795.04795	-0.00083%
10	5795	5795.04166	-0.00072%

Table 79: Frequency Stability at -30°C, 802.11ac (VHT40), 5795MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5795	5795.04405	-0.00076%
2	5795	5795.04153	-0.00072%
5	5795	5795.03365	-0.00058%
10	5795	5795.04745	-0.00082%

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Table 80: Frequency Stability at 50°C, 802.11ac (VHT80), 5775MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5775	5774.962096	0.00066%
2	5775	5774.96166	0.00066%
5	5775	5774.964295	0.00062%
10	5775	5774.96512	0.00060%

Table 81: Frequency Stability at 40°C, 802.11ac (VHT80), 5775MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5775	5774.970099	0.00052%
2	5775	5774.96355	0.00063%
5	5775	5774.962059	0.00066%
10	5775	5774.96121	0.00067%

Table 82: Frequency Stability at 30°C, 802.11ac (VHT80), 5775MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5775	5774.969538	0.00053%
2	5775	5774.96881	0.00054%
5	5775	5774.968834	0.00054%
10	5775	5774.96955	0.00053%

Table 83: Frequency Stability at 20°C, 802.11ac (VHT80), 5775MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5775	5774.991846	0.00014%
2	5775	5774.98425	0.00027%
5	5775	5774.985454	0.00025%
10	5775	5774.98491	0.00026%

Table 84: Frequency Stability at 10°C, 802.11ac (VHT80), 5775MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5775	5775.006967	-0.00012%
2	5775	5775.00508	-0.00009%
5	5775	5775.004671	-0.00008%
10	5775	5775.00536	-0.00009%

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Table 85: Frequency Stability at 0°C, 802.11ac (VHT80), 5775MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5775	5775.021854	-0.00038%
2	5775	5775.02069	-0.00036%
5	5775	5775.020595	-0.00036%
10	5775	5775.02049	-0.00035%

Table 86: Frequency Stability at -10°C, 802.11ac (VHT80), 5775MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5775	5775.045802	-0.00079%
2	5775	5775.03714	-0.00064%
5	5775	5775.036434	-0.00063%
10	5775	5775.03645	-0.00063%

Table 87: Frequency Stability at -20°C, 802.11ac (VHT80), 5775MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5775	5775.049756	-0.00086%
2	5775	5775.04924	-0.00085%
5	5775	5775.048126	-0.00083%
10	5775	5775.08106	-0.00140%

Table 88: Frequency Stability at -30°C, 802.11ac (VHT80), 5775MHz

Elapsed Time [min]	Center Frequency [MHz]	Measured Frequency [MHz]	Deviation [%]
Start-up	5775	5775.047206	-0.00082%
2	5775	5775.04943	-0.00086%
5	5775	5775.049675	-0.00086%
10	5775	5775.04943	-0.00086%

5.11 AC Power Line Conducted Emission of Transmitter

RESULT:

N/A

Requirements:

FCC §15.207 and RSS-Gen §8.8

The AC power line conducted emission on any frequency within the band 150kHz to 30MHz shall not exceed the limits specified in FCC §15.207(a) and RSS-Gen §8.8 (table 4).

Test procedure:

ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024 §6.2 and RSS-Gen §8.1

Note:

Not applicable since the EUT is not the device that is designed to be connected to the public utility (AC) power line.

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