

15. RADIATED RESTRICTED BAND EDGE MEASUREMENTS

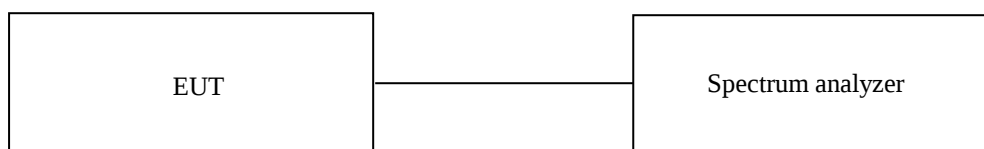
15.1 Operating environment

Temperature : 22 °C
Relative humidity : 41 % R.H.

15.2 Test set-up for conducted measurement

The radiated emissions measurements were performed on the 3 m, open-field test site. The EUT was placed on a non-conductive turntable above the ground plane.

The system was rotated 360°, and the antenna was varied in the height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna.



15.3 Test Date

May 07, 2025 ~ June 05, 2025

15.4 Test data for Frequency UNII I

15.4.1 Test data for 802.11a RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 005.75	53.19	Peak	H	31.71	5.92	41.24	6.09	-	55.67	74.00	18.33
5 146.37	42.23	Average	H	31.90	6.21	41.25	6.09	-	45.18	54.00	8.82
5 051.27	52.93	Peak	V	31.80	6.21	41.25	6.09	-	55.78	74.00	18.22
5 145.01	42.01	Average	V	31.90	6.21	41.25	6.09	-	44.96	54.00	9.04

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

$$\text{Margin (dB)} = \text{Limits (dB}\mu\text{V/m)} - \text{Total Level (dB}\mu\text{V/m)}$$

$$\text{Total Level} = \text{Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{AMP Gain} + \text{ATT} + \text{Duty Factor}$$

15.4.2 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
4 948.69	53.49	Peak	H	31.49	5.88	41.25	6.09	-	55.70	74.00	18.30
5 147.05	41.92	Average	H	31.90	6.21	41.25	6.09	-	44.87	54.00	9.13
4 985.37	53.38	Peak	V	31.64	5.92	41.24	6.09	-	55.79	74.00	18.21
5 149.77	42.07	Average	V	31.90	6.21	41.25	6.09	-	45.02	54.00	8.98

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.3 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 0

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
4 662.33	53.15	Peak	H	31.10	5.78	41.33	6.09	-	54.79	74.00	19.21
5 149.68	43.07	Average	H	31.90	6.21	41.25	6.09	-	46.02	54.00	7.98
5 014.57	53.18	Peak	V	31.73	5.92	41.24	6.09	-	55.68	74.00	18.32
5 146.92	42.17	Average	V	31.90	6.21	41.25	6.09	-	45.12	54.00	8.88

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.4 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
4 992.85	53.07	Peak	H	31.67	5.92	41.24	6.09	-	55.51	74.00	18.49
5 149.77	42.18	Average	H	31.90	6.21	41.25	6.09	-	45.13	54.00	8.87
4 972.47	53.68	Peak	V	31.59	5.92	41.25	6.09	-	56.03	74.00	17.97
5 140.26	42.07	Average	V	31.90	6.21	41.25	6.09	-	45.02	54.00	8.98

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.5 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
4 842.93	53.78	Peak	H	31.20	5.79	41.28	6.09	-	55.58	74.00	18.42
5 148.99	42.68	Average	H	31.90	6.21	41.25	6.09	-	45.63	54.00	8.37
4 585.82	53.53	Peak	V	30.97	5.65	41.35	6.09	-	54.89	74.00	19.11
5 147.61	42.13	Average	V	31.90	6.21	41.25	6.09	-	45.08	54.00	8.92

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.6 Test data for 802.11ac_HT80 RLAN Mode_SISO Antenna 0

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
4 502.48	53.70	Peak	H	30.80	5.72	41.37	6.09	-	54.94	74.00	19.06
5 150.00	42.61	Average	H	31.90	6.17	41.26	6.09	-	45.51	54.00	8.49
4 897.56	53.47	Peak	V	31.30	5.88	41.27	6.09	-	55.47	74.00	18.53
5 145.81	42.10	Average	V	31.90	6.21	41.25	6.09	-	45.05	54.00	8.95

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.7 Test data for 802.11a RLAN Mode_SISO Antenna 1

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 009.15	53.60	Peak	H	31.72	5.92	41.24	6.09	-	56.09	74.00	17.91
5 149.77	42.80	Average	H	31.90	6.21	41.25	6.09	-	45.75	54.00	8.25
4 782.26	54.72	Peak	V	31.16	5.79	41.30	6.09	-	56.46	74.00	17.54
5 148.41	42.69	Average	V	31.90	6.21	41.25	6.09	-	45.64	54.00	8.36

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.8 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 1

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 145.69	55.02	Peak	H	31.90	6.21	41.25	6.09	-	57.97	74.00	16.03
5 148.41	42.98	Average	H	31.90	6.21	41.25	6.09	-	45.93	54.00	8.07
5 130.75	52.82	Peak	V	31.90	6.21	41.25	6.09	-	55.77	74.00	18.23
5 147.73	42.88	Average	V	31.90	6.21	41.25	6.09	-	45.83	54.00	8.17

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.9 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 1

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 149.68	56.40	Peak	H	31.90	6.21	41.25	6.09	-	59.35	74.00	14.65
5 148.99	46.53	Average	H	31.90	6.21	41.25	6.09	-	49.48	54.00	4.52
5 148.99	55.57	Peak	V	31.90	6.21	41.25	6.09	-	58.52	74.00	15.48
5 149.68	44.22	Average	V	31.90	6.21	41.25	6.09	-	47.17	54.00	6.83

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.10 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 1

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
4 989.45	52.85	Peak	H	31.66	5.92	41.24	6.09	-	55.28	74.00	18.72
5 147.73	43.00	Average	H	31.90	6.21	41.25	6.09	-	45.95	54.00	8.05
4 526.15	53.44	Peak	V	30.85	5.72	41.36	6.09	-	54.74	74.00	19.26
5 149.77	42.63	Average	V	31.90	6.21	41.25	6.09	-	45.58	54.00	8.42

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.11 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 1 [Basic]

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 149.68	55.26	Peak	H	31.90	6.21	41.25	6.09	-	58.21	74.00	15.79
5 149.68	45.17	Average	H	31.90	6.21	41.25	6.09	-	48.12	54.00	5.88
5 147.61	55.54	Peak	V	31.90	6.21	41.25	6.09	-	58.49	74.00	15.51
5 149.68	47.01	Average	V	31.90	6.21	41.25	6.09	-	49.96	54.00	4.04

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.12 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 1 [Option 1]

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 149.68	56.15	Peak	H	31.90	6.21	41.25	6.09	-	59.10	74.00	14.90
5 149.68	44.65	Average	H	31.90	6.21	41.25	6.09	-	47.60	54.00	6.40
5 147.61	55.00	Peak	V	31.90	6.21	41.25	6.09	-	57.95	74.00	16.05
5 149.68	46.20	Average	V	31.90	6.21	41.25	6.09	-	49.15	54.00	4.85

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.13 Test data for 802.11ac_VHT80 RLAN Mode_SISO Antenna 1

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 130.91	56.70	Peak	H	31.90	6.21	41.25	6.09	-	59.65	74.00	14.35
5 148.65	45.99	Average	H	31.90	6.21	41.25	6.09	-	48.94	54.00	5.06
5 148.65	54.49	Peak	V	31.90	6.21	41.25	6.09	-	57.44	74.00	16.56
5 147.94	44.39	Average	V	31.90	6.21	41.25	6.09	-	47.34	54.00	6.66

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.14 Test data for 802.11n_HT20 RLAN Mode_Multiple Transmit

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 050.59	53.69	Peak	H	31.80	6.21	41.25	6.09	-	56.54	74.00	17.46
5 145.69	42.21	Average	H	31.90	6.21	41.25	6.09	-	45.16	54.00	8.84
5 121.24	53.10	Peak	V	31.90	6.21	41.25	6.09	-	56.05	74.00	17.95
5 144.34	42.03	Average	V	31.90	6.21	41.25	6.09	-	44.98	54.00	9.02

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.15 Test data for 802.11n_HT40 RLAN Mode_Multiple Transmit

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
4 986.31	53.72	Peak	H	31.65	5.92	41.24	6.09	-	56.14	74.00	17.86
5 147.61	42.29	Average	H	31.90	6.21	41.25	6.09	-	45.24	54.00	8.76
5 140.02	53.07	Peak	V	31.90	6.21	41.25	6.09	-	56.02	74.00	17.98
5 149.68	42.60	Average	V	31.90	6.21	41.25	6.09	-	45.55	54.00	8.45

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.16 Test data for 802.11ac_VHT20 RLAN Mode_Multiple Transmit

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
4 683.76	53.85	Peak	H	31.10	5.78	41.32	6.09	-	55.50	74.00	18.50
5 145.69	42.58	Average	H	31.90	6.21	41.25	6.09	-	45.53	54.00	8.47
4 599.52	53.25	Peak	V	31.00	5.65	41.34	6.09	-	54.65	74.00	19.35
5 146.37	42.05	Average	V	31.90	6.21	41.25	6.09	-	45.00	54.00	9.00

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.17 Test data for 802.11ac_VHT40 RLAN Mode_Multiple Transmit [Basic]

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 146.92	53.41	Peak	H	31.90	6.21	41.25	6.09	-	56.36	74.00	17.64
5 149.68	42.48	Average	H	31.90	6.21	41.25	6.09	-	45.43	54.00	8.57
4 991.82	54.10	Peak	V	31.67	5.92	41.24	6.09	-	56.54	74.00	17.46
5 149.68	42.36	Average	V	31.90	6.21	41.25	6.09	-	45.31	54.00	8.69

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.18 Test data for 802.11ac_VHT40 RLAN Mode_Multiple Transmit [Option 1]

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 148.99	55.22	Peak	H	31.90	6.21	41.25	6.09	-	58.17	74.00	15.83
5 146.92	42.67	Average	H	31.90	6.21	41.25	6.09	-	45.62	54.00	8.38
4 635.45	52.84	Peak	V	31.07	5.65	41.33	6.09	-	54.32	74.00	19.68
5 148.30	42.43	Average	V	31.90	6.21	41.25	6.09	-	45.38	54.00	8.62

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.4.19 Test data for 802.11ac_VHT80 RLAN Mode_Multiple Transmit

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 125.24	53.19	Peak	H	31.90	6.21	41.25	6.09	-	56.14	74.00	17.86
5 144.39	42.37	Average	H	31.90	6.21	41.25	6.09	-	45.32	54.00	8.68
5 057.15	53.61	Peak	V	31.81	6.21	41.25	6.09	-	56.47	74.00	17.53
5 146.52	42.63	Average	V	31.90	6.21	41.25	6.09	-	45.58	54.00	8.42

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5 Test data for Frequency UNII 2A

15.5.1 Test data for 802.11a RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 426.78	54.06	Peak	H	31.65	6.20	41.28	6.10	-	56.73	74.00	17.27
5 365.66	42.60	Average	H	31.60	6.20	41.28	6.10	-	45.22	54.00	8.78
5 455.31	54.58	Peak	V	31.70	6.17	41.29	6.10	-	57.26	74.00	16.74
5 445.66	42.34	Average	V	31.69	6.20	41.28	6.10	-	45.05	54.00	8.95

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.2 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 415.59	54.27	Peak	H	31.63	6.20	41.28	6.10	-	56.92	74.00	17.08
5 350.98	42.81	Average	H	31.60	6.20	41.28	6.10	-	45.43	54.00	8.57
5 438.11	53.80	Peak	V	31.68	6.20	41.28	6.10	-	56.50	74.00	17.50
5 459.65	42.41	Average	V	31.70	6.17	41.29	6.10	-	45.09	54.00	8.91

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.3 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 351.13	55.65	Peak	H	31.60	6.20	41.28	6.10	-	58.27	74.00	15.73
5 350.83	44.20	Average	H	31.60	6.20	41.28	6.10	-	46.82	54.00	7.18
5 375.56	54.85	Peak	V	31.60	6.20	41.28	6.10	-	57.47	74.00	16.53
5 351.28	42.69	Average	V	31.60	6.20	41.28	6.10	-	45.31	54.00	8.69

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.4 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 0

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 424.97	54.39	Peak	H	31.65	6.20	41.28	6.10	-	57.06	74.00	16.94
5 365.52	42.51	Average	H	31.60	6.20	41.28	6.10	-	45.13	54.00	8.87
5 384.55	54.79	Peak	V	31.60	6.20	41.28	6.10	-	57.41	74.00	16.59
5 445.52	42.39	Average	V	31.69	6.20	41.28	6.10	-	45.10	54.00	8.90

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.5 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 0

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 350.83	55.67	Peak	H	31.60	6.20	41.28	6.10	-	58.29	74.00	15.71
5 350.38	43.82	Average	H	31.60	6.20	41.28	6.10	-	46.44	54.00	7.56
5 355.33	54.07	Peak	V	31.60	6.20	41.28	6.10	-	56.69	74.00	17.31
5 425.16	42.52	Average	V	31.65	6.20	41.28	6.10	-	45.19	54.00	8.81

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.6 Test data for 802.11ac_HT80 RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 388.08	54.28	Peak	H	31.60	6.20	41.28	6.10	-	56.90	74.00	17.10
5 356.15	42.76	Average	H	31.60	6.20	41.28	6.10	-	45.38	54.00	8.62
5 441.91	54.69	Peak	V	31.68	6.20	41.28	6.10	-	57.39	74.00	16.61
5 426.46	42.63	Average	V	31.65	6.20	41.28	6.10	-	45.30	54.00	8.70

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.7 Test data for 802.11a RLAN Mode_SISO Antenna 1

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 378.39	54.37	Peak	H	31.60	6.20	41.28	6.10	-	56.99	74.00	17.01
5 354.62	43.16	Average	H	31.60	6.20	41.28	6.10	-	45.78	54.00	8.22
5 396.71	54.23	Peak	V	31.60	6.20	41.28	6.10	-	56.85	74.00	17.15
5 355.87	42.76	Average	V	31.60	6.20	41.28	6.10	-	45.38	54.00	8.62

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.8 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 1

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 350.28	54.47	Peak	H	31.60	6.20	41.28	6.10	-	57.09	74.00	16.91
5 352.10	43.19	Average	H	31.60	6.20	41.28	6.10	-	45.81	54.00	8.19
5 350.00	55.68	Peak	V	31.60	6.20	41.28	6.10	-	58.30	74.00	15.70
5 352.52	43.35	Average	V	31.60	6.20	41.28	6.10	-	45.97	54.00	8.03

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.9 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 1 [Basic]

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 350.98	58.04	Peak	H	31.60	6.20	41.28	6.10	-	60.66	74.00	13.34
5 349.94	47.48	Average	H	31.60	6.19	41.27	6.10	-	50.10	54.00	3.90
5 351.43	57.63	Peak	V	31.60	6.20	41.28	6.10	-	60.25	74.00	13.75
5 349.94	45.39	Average	V	31.60	6.19	41.27	6.10	-	48.01	54.00	5.99

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.10 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 1 [Option 1]

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 350.98	57.64	Peak	H	31.60	6.20	41.28	6.10	-	60.26	74.00	13.74
5 350.98	46.40	Average	H	31.60	6.20	41.28	6.10	-	49.02	54.00	4.98
5 351.43	57.79	Peak	V	31.60	6.20	41.28	6.10	-	60.41	74.00	13.59
5 350.08	45.10	Average	V	31.60	6.20	41.28	6.10	-	47.72	54.00	6.28

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.11 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 1

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 354.48	55.67	Peak	H	31.60	6.20	41.28	6.10	-	58.29	74.00	15.71
5 351.54	43.01	Average	H	31.60	6.20	41.28	6.10	-	45.63	54.00	8.37
5 354.34	54.95	Peak	V	31.60	6.20	41.28	6.10	-	57.57	74.00	16.43
5 353.50	42.79	Average	V	31.60	6.20	41.28	6.10	-	45.41	54.00	8.59

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.12 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 1

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 350.68	56.37	Peak	H	31.60	6.20	41.28	6.10	-	58.99	74.00	15.01
5 350.08	44.99	Average	H	31.60	6.20	41.28	6.10	-	47.61	54.00	6.39
5 394.74	54.70	Peak	V	31.60	6.20	41.28	6.10	-	57.32	74.00	16.68
5 350.08	46.87	Average	V	31.60	6.20	41.28	6.10	-	49.49	54.00	4.51

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.13 Test data for 802.11ac_HT80 RLAN Mode_SISO Antenna 1

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 421.36	54.79	Peak	H	31.64	6.20	41.28	6.10	-	57.45	74.00	16.55
5 352.24	43.03	Average	H	31.60	6.20	41.28	6.10	-	45.65	54.00	8.35
5 436.14	54.25	Peak	V	31.67	6.20	41.28	6.10	-	56.94	74.00	17.06
5 356.83	42.73	Average	V	31.60	6.20	41.28	6.10	-	45.35	54.00	8.65

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.14 Test data for 802.11n_HT20 RLAN Mode_Multiple Transmit

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 454.06	54.28	Peak	H	31.70	6.17	41.29	6.10	-	56.96	74.00	17.04
5 357.13	42.47	Average	H	31.60	6.20	41.28	6.10	-	45.09	54.00	8.91
5 431.26	54.64	Peak	V	31.66	6.20	41.28	6.10	-	57.32	74.00	16.68
5 420.07	42.46	Average	V	31.64	6.20	41.28	6.10	-	45.12	54.00	8.88

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.15 Test data for 802.11n_HT40 RLAN Mode_Multiple Transmit [Basic]

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 413.77	54.38	Peak	H	31.63	6.20	41.28	6.10	-	57.03	74.00	16.97
5 350.38	42.68	Average	H	31.60	6.20	41.28	6.10	-	45.30	54.00	8.70
5 404.93	54.19	Peak	V	31.61	6.20	41.28	6.10	-	56.82	74.00	17.18
5 429.36	42.44	Average	V	31.66	6.20	41.28	6.10	-	45.12	54.00	8.88

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.16 Test data for 802.11n_HT40 RLAN Mode_Multiple Transmit [Option 1]

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 454.08	54.59	Peak	H	31.70	6.17	41.29	6.10	-	57.27	74.00	16.73
5 421.26	42.73	Average	H	31.64	6.20	41.28	6.10	-	45.39	54.00	8.61
5 359.83	54.03	Peak	V	31.60	6.20	41.28	6.10	-	56.65	74.00	17.35
5 425.31	42.46	Average	V	31.65	6.20	41.28	6.10	-	45.13	54.00	8.87

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.17 Test data for 802.11ac_VHT20 RLAN Mode_Multiple Transmit

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 442.87	54.52	Peak	H	31.69	6.20	41.28	6.10	-	57.23	74.00	16.77
5 430.42	42.55	Average	H	31.66	6.20	41.28	6.10	-	45.23	54.00	8.77
5 429.02	54.42	Peak	V	31.66	6.20	41.28	6.10	-	57.10	74.00	16.90
5 439.65	42.45	Average	V	31.68	6.20	41.28	6.10	-	45.15	54.00	8.85

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.18 Test data for 802.11ac_VHT40 RLAN Mode_Multiple Transmit

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 421.26	54.08	Peak	H	31.64	6.20	41.28	6.10	-	56.74	74.00	17.26
5 350.08	42.93	Average	H	31.60	6.20	41.28	6.10	-	45.55	54.00	8.45
5 459.18	54.10	Peak	V	31.70	6.17	41.29	6.10	-	56.78	74.00	17.22
5 352.18	42.43	Average	V	31.60	6.20	41.28	6.10	-	45.05	54.00	8.95

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.5.19 Test data for 802.11ac_VHT80 RLAN Mode_Multiple Transmit

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 429.52	54.27	Peak	H	31.66	6.20	41.28	6.10	-	56.95	74.00	17.05
5 432.06	42.66	Average	H	31.66	6.20	41.28	6.10	-	45.34	54.00	8.66
5 438.01	54.62	Peak	V	31.68	6.20	41.28	6.10	-	57.32	74.00	16.68
5 424.08	42.46	Average	V	31.65	6.20	41.28	6.10	-	45.13	54.00	8.87

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6 Test data for Frequency UNII 2C

15.6.1 Test data for 802.11a RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	53.42	Peak	H	31.70	6.17	41.29	6.10	-	56.10	68.20	12.10
5 423.650	55.28	Peak	H	31.65	6.20	41.28	6.10	-	57.95	74.00	16.05
5 457.970	42.83	Average	H	31.70	6.17	41.29	6.10	-	45.51	54.00	8.49
5 470.000	52.67	Peak	V	31.70	6.17	41.29	6.10	-	55.35	68.20	12.85
5 441.630	54.49	Peak	V	31.68	6.20	41.28	6.10	-	57.19	74.00	16.81
5 448.230	42.54	Average	V	31.70	6.20	41.28	6.10	-	45.26	54.00	8.74

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.2 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 0

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	54.39	Peak	H	31.70	6.17	41.29	6.10	-	57.07	68.20	11.13
5 413.910	54.83	Peak	H	31.63	6.20	41.28	6.10	-	57.48	74.00	16.52
5 424.700	42.86	Average	H	31.65	6.20	41.28	6.10	-	45.53	54.00	8.47
5 470.000	52.07	Peak	V	31.70	6.17	41.29	6.10	-	54.75	68.20	13.45
5 400.870	54.96	Peak	V	31.60	6.20	41.28	6.10	-	57.58	74.00	16.42
5 422.000	42.57	Average	V	31.64	6.20	41.28	6.10	-	45.23	54.00	8.77

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.3 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	54.87	Peak	H	31.70	6.17	41.29	6.10	-	57.55	68.20	10.65
5 459.570	54.43	Peak	H	31.70	6.17	41.29	6.10	-	57.11	74.00	16.89
5 457.010	43.32	Average	H	31.70	6.17	41.29	6.10	-	46.00	54.00	8.00
5 470.000	52.36	Peak	V	31.70	6.17	41.29	6.10	-	55.04	68.20	13.16
5 425.040	54.18	Peak	V	31.65	6.20	41.28	6.10	-	56.85	74.00	17.15
5 430.000	42.64	Average	V	31.66	6.20	41.28	6.10	-	45.32	54.00	8.68

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.4 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 0

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	54.98	Peak	H	31.70	6.17	41.29	6.10	-	57.66	68.20	10.54
5 459.320	54.72	Peak	H	31.70	6.17	41.29	6.10	-	57.40	74.00	16.60
5 456.170	42.77	Average	H	31.70	6.17	41.29	6.10	-	45.45	54.00	8.55
5 470.000	52.68	Peak	V	31.70	6.17	41.29	6.10	-	55.36	68.20	12.84
5 393.380	54.15	Peak	V	31.60	6.20	41.28	6.10	-	56.77	74.00	17.23
5 449.280	42.58	Average	V	31.70	6.20	41.28	6.10	-	45.30	54.00	8.70

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.5 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	54.20	Peak	H	31.70	6.17	41.29	6.10	-	56.88	68.20	11.32
5 454.780	55.21	Peak	H	31.70	6.17	41.29	6.10	-	57.89	74.00	16.11
5 460.050	43.52	Average	H	31.70	6.17	41.29	6.10	-	46.20	54.00	7.80
5 470.000	51.94	Peak	V	31.70	6.17	41.29	6.10	-	54.62	68.20	13.58
5 420.570	55.46	Peak	V	31.64	6.20	41.28	6.10	-	58.12	74.00	15.88
5 425.840	42.78	Average	V	31.65	6.20	41.28	6.10	-	45.45	54.00	8.55

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

$$\text{Margin (dB)} = \text{Limits (dB}\mu\text{V/m)} - \text{Total Level (dB}\mu\text{V/m)}$$

$$\text{Total Level} = \text{Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{AMP Gain} + \text{ATT} + \text{Duty Factor}$$

15.6.6 Test data for 802.11ac_HT80 RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	53.12	Peak	H	31.70	6.17	41.29	6.10	-	55.80	68.20	12.40
5 459.780	55.71	Peak	H	31.70	6.17	41.29	6.10	-	58.39	74.00	15.61
5 459.600	44.31	Average	H	31.70	6.17	41.29	6.10	-	46.99	54.00	7.01
5 470.000	53.09	Peak	V	31.70	6.17	41.29	6.10	-	55.77	68.20	12.43
5 428.130	54.66	Peak	V	31.66	6.20	41.28	6.10	-	57.34	74.00	16.66
5 437.840	42.57	Average	V	31.68	6.20	41.28	6.10	-	45.27	54.00	8.73

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.7 Test data for 802.11a RLAN Mode_SISO Antenna 1

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	56.23	Peak	H	31.70	6.17	41.29	6.10	-	58.91	68.20	9.29
5 448.830	54.20	Peak	H	31.70	6.20	41.28	6.10	-	56.92	74.00	17.08
5 459.770	42.91	Average	H	31.70	6.17	41.29	6.10	-	45.59	54.00	8.41
5 470.000	55.95	Peak	V	31.70	6.17	41.29	6.10	-	58.63	68.20	9.57
5 421.700	54.78	Peak	V	31.64	6.20	41.28	6.10	-	57.44	74.00	16.56
5 435.790	42.56	Average	V	31.67	6.20	41.28	6.10	-	45.25	54.00	8.75

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

$$\text{Margin (dB)} = \text{Limits (dB}\mu\text{V/m)} - \text{Total Level (dB}\mu\text{V/m)}$$

$$\text{Total Level} = \text{Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{AMP Gain} + \text{ATT} + \text{Duty Factor}$$

15.6.8 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 1

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	57.28	Peak	H	31.70	6.17	41.29	6.10	-	59.96	68.20	8.24
5 452.270	54.39	Peak	H	31.70	6.17	41.29	6.10	-	57.07	74.00	16.93
5 451.970	42.78	Average	H	31.70	6.17	41.29	6.10	-	45.46	54.00	8.54
5 470.000	58.06	Peak	V	31.70	6.17	41.29	6.10	-	60.74	68.20	7.46
5 455.270	54.55	Peak	V	31.70	6.17	41.29	6.10	-	57.23	74.00	16.77
5 431.740	42.67	Average	V	31.66	6.20	41.28	6.10	-	45.35	54.00	8.65

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.9 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 1

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	58.88	Peak	H	31.70	6.17	41.29	6.10	-	61.56	68.20	6.64
5 458.290	56.40	Peak	H	31.70	6.17	41.29	6.10	-	59.08	74.00	14.92
5 458.130	43.96	Average	H	31.70	6.17	41.29	6.10	-	46.64	54.00	7.36
5 470.000	55.23	Peak	V	31.70	6.17	41.29	6.10	-	57.91	68.20	10.29
5 459.730	54.97	Peak	V	31.70	6.17	41.29	6.10	-	57.65	74.00	16.35
5 458.130	43.22	Average	V	31.70	6.17	41.29	6.10	-	45.90	54.00	8.10

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.10 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 1

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	56.54	Peak	H	31.70	6.17	41.29	6.10	-	59.22	68.20	8.98
5 389.190	54.36	Peak	H	31.60	6.20	41.28	6.10	-	56.98	74.00	17.02
5 452.570	42.78	Average	H	31.70	6.17	41.29	6.10	-	45.46	54.00	8.54
5 470.000	55.89	Peak	V	31.70	6.17	41.29	6.10	-	58.57	68.20	9.63
5 426.500	54.84	Peak	V	31.65	6.20	41.28	6.10	-	57.51	74.00	16.49
5 423.200	42.64	Average	V	31.65	6.20	41.28	6.10	-	45.31	54.00	8.69

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.11 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 1

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	54.23	Peak	H	31.70	6.17	41.29	6.10	-	56.91	68.20	11.29
5 459.890	55.01	Peak	H	31.70	6.17	41.29	6.10	-	57.69	74.00	16.31
5 458.930	43.33	Average	H	31.70	6.17	41.29	6.10	-	46.01	54.00	7.99
5 470.000	52.37	Peak	V	31.70	6.17	41.29	6.10	-	55.05	68.20	13.15
5 427.440	54.19	Peak	V	31.65	6.20	41.28	6.10	-	56.86	74.00	17.14
5 419.770	42.61	Average	V	31.64	6.20	41.28	6.10	-	45.27	54.00	8.73

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.12 Test data for 802.11ac_VHT80 RLAN Mode_SISO Antenna 1 [Basic]

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	55.37	Peak	H	31.70	6.17	41.29	6.10	-	58.05	68.20	10.15
5 452.050	57.19	Peak	H	31.70	6.17	41.29	6.10	-	59.87	74.00	14.13
5 458.700	45.75	Average	H	31.70	6.17	41.29	6.10	-	48.43	54.00	5.57
5 470.000	53.62	Peak	V	31.70	6.17	41.29	6.10	-	56.30	68.20	11.90
5 390.550	54.13	Peak	V	31.60	6.20	41.28	6.10	-	56.75	74.00	17.25
5 459.060	42.93	Average	V	31.70	6.17	41.29	6.10	-	45.61	54.00	8.39

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.13 Test data for 802.11ac_VHT80 RLAN Mode_SISO Antenna 1 [Option 1]

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	55.72	Peak	H	31.70	6.17	41.29	6.10	-	58.40	68.20	9.80
5 456.360	56.43	Peak	H	31.70	6.17	41.29	6.10	-	59.11	74.00	14.89
5 459.060	45.48	Average	H	31.70	6.17	41.29	6.10	-	48.16	54.00	5.84
5 470.000	53.74	Peak	V	31.70	6.17	41.29	6.10	-	56.42	68.20	11.78
5 458.520	54.96	Peak	V	31.70	6.17	41.29	6.10	-	57.64	74.00	16.36
5 458.340	43.19	Average	V	31.70	6.17	41.29	6.10	-	45.87	54.00	8.13

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.14 Test data for 802.11n_HT20 RLAN Mode_Multiple Transmit

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	52.17	Peak	H	31.70	6.17	41.29	6.10	-	54.85	68.20	13.35
5 451.520	54.35	Peak	H	31.70	6.17	41.29	6.10	-	57.03	74.00	16.97
5 452.270	42.71	Average	H	31.70	6.17	41.29	6.10	-	45.39	54.00	8.61
5 470.000	52.61	Peak	V	31.70	6.17	41.29	6.10	-	55.29	68.20	12.91
5 434.290	54.34	Peak	V	31.67	6.20	41.28	6.10	-	57.03	74.00	16.97
5 422.600	42.61	Average	V	31.65	6.20	41.28	6.10	-	45.28	54.00	8.72

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.15 Test data for 802.11n_HT40 RLAN Mode_Multiple Transmit

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	53.15	Peak	H	31.70	6.17	41.29	6.10	-	55.83	68.20	12.37
5 366.060	54.48	Peak	H	31.60	6.20	41.28	6.10	-	57.10	74.00	16.90
5 422.970	42.74	Average	H	31.65	6.20	41.28	6.10	-	45.41	54.00	8.59
5 470.000	52.58	Peak	V	31.70	6.17	41.29	6.10	-	55.26	68.20	12.94
5 458.450	54.43	Peak	V	31.70	6.17	41.29	6.10	-	57.11	74.00	16.89
5 422.650	42.62	Average	V	31.65	6.20	41.28	6.10	-	45.29	54.00	8.71

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.16 Test data for 802.11ac_VHT20 RLAN Mode_Multiple Transmit

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	52.21	Peak	H	31.70	6.17	41.29	6.10	-	54.89	68.20	13.31
5 395.930	54.41	Peak	H	31.60	6.20	41.28	6.10	-	57.03	74.00	16.97
5 410.010	42.85	Average	H	31.62	6.20	41.28	6.10	-	45.49	54.00	8.51
5 470.000	52.19	Peak	V	31.70	6.17	41.29	6.10	-	54.87	68.20	13.33
5 436.840	54.59	Peak	V	31.67	6.20	41.28	6.10	-	57.28	74.00	16.72
5 417.660	42.74	Average	V	31.64	6.20	41.28	6.10	-	45.40	54.00	8.60

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.17 Test data for 802.11ac_VHT40 RLAN Mode_Multiple Transmit

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	53.08	Peak	H	31.70	6.17	41.29	6.10	-	55.76	68.20	12.44
5 424.890	54.40	Peak	H	31.65	6.20	41.28	6.10	-	57.07	74.00	16.93
5 447.420	42.84	Average	H	31.69	6.20	41.28	6.10	-	45.55	54.00	8.45
5 470.000	52.43	Peak	V	31.70	6.17	41.29	6.10	-	55.11	68.20	13.09
5 448.220	54.59	Peak	V	31.70	6.20	41.28	6.10	-	57.31	74.00	16.69
5 429.200	42.62	Average	V	31.66	6.20	41.28	6.10	-	45.30	54.00	8.70

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

$$\text{Margin (dB)} = \text{Limits (dB}\mu\text{V/m)} - \text{Total Level (dB}\mu\text{V/m)}$$

$$\text{Total Level} = \text{Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{AMP Gain} + \text{ATT} + \text{Duty Factor}$$

15.6.18 Test data for 802.11ac_VHT80 RLAN Mode_Multiple Transmit [Basic]

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	52.58	Peak	H	31.70	6.17	41.29	6.10	-	55.26	68.20	12.94
5 427.770	54.29	Peak	H	31.66	6.20	41.28	6.10	-	56.97	74.00	17.03
5 458.880	43.45	Average	H	31.70	6.17	41.29	6.10	-	46.13	54.00	7.87
5 470.000	52.59	Peak	V	31.70	6.17	41.29	6.10	-	55.27	68.20	12.93
5 388.390	55.10	Peak	V	31.60	6.20	41.28	6.10	-	57.72	74.00	16.28
5 457.260	42.60	Average	V	31.70	6.17	41.29	6.10	-	45.28	54.00	8.72

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.6.19 Test data for 802.11ac_VHT80 RLAN Mode_Multiple Transmit [Option 1]

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
5 470.000	52.62	Peak	H	31.70	6.17	41.29	6.10	-	55.30	68.20	12.90
5 450.790	54.39	Peak	H	31.70	6.17	41.29	6.10	-	57.07	74.00	16.93
5 429.030	42.74	Average	H	31.66	6.20	41.28	6.10	-	45.42	54.00	8.58
5 470.000	52.95	Peak	V	31.70	6.17	41.29	6.10	-	55.63	68.20	12.57
5 441.260	54.24	Peak	V	31.68	6.20	41.28	6.10	-	56.94	74.00	17.06
5 436.760	42.51	Average	V	31.67	6.20	41.28	6.10	-	45.20	54.00	8.80

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7 Test data for Frequency UNII 3

15.7.1 Test data for 802.11a RLAN Mode_SISO Antenna 0

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.27	48.91	Peak	H	32.00	6.44	41.31	6.10	-	52.14	68.40	16.26
5 701.23	49.47	Peak	H	32.00	6.44	41.32	6.10	-	52.69	105.54	52.85
5 720.14	50.75	Peak	H	32.04	6.44	41.32	6.10	-	54.01	111.12	57.11
5 854.96	48.73	Peak	H	32.31	6.79	41.34	6.10	-	52.59	110.89	58.30
5 873.45	48.81	Peak	H	32.35	6.79	41.34	6.10	-	52.71	105.63	52.92
5 924.18	48.60	Peak	H	32.50	6.79	41.35	6.10	-	52.64	68.81	16.17
5 650.37	47.61	Peak	V	32.00	6.44	41.31	6.10	-	50.84	68.47	17.63
5 701.99	48.69	Peak	V	32.00	6.44	41.32	6.10	-	51.91	105.76	53.85
5 720.04	49.30	Peak	V	32.04	6.44	41.32	6.10	-	52.56	110.89	58.33
5 854.85	48.71	Peak	V	32.31	6.79	41.34	6.10	-	52.57	111.14	58.57
5 873.21	49.56	Peak	V	32.35	6.79	41.34	6.10	-	53.46	105.70	52.24
5 923.13	49.08	Peak	V	32.49	6.79	41.35	6.10	-	53.11	69.58	16.47

High Channel											
5 650.08	47.91	Peak	H	32.00	6.44	41.31	6.10	-	51.14	68.26	17.12
5 700.27	48.63	Peak	H	32.00	6.44	41.32	6.10	-	51.85	105.28	53.43
5 720.04	49.82	Peak	H	32.04	6.44	41.32	6.10	-	53.08	110.89	57.81
5 854.62	48.95	Peak	H	32.31	6.79	41.34	6.10	-	52.81	111.67	58.86
5 874.99	48.87	Peak	H	32.35	6.79	41.34	6.10	-	52.77	105.20	52.43
5 924.03	48.35	Peak	H	32.50	6.79	41.35	6.10	-	52.39	68.92	16.53
5 650.22	49.07	Peak	V	32.00	6.44	41.31	6.10	-	52.30	68.36	16.06
5 700.71	48.39	Peak	V	32.00	6.44	41.32	6.10	-	51.61	105.40	53.79
5 720.09	48.28	Peak	V	32.04	6.44	41.32	6.10	-	51.54	111.01	59.47
5 854.73	48.79	Peak	V	32.31	6.79	41.34	6.10	-	52.65	111.42	58.77
5 874.61	49.80	Peak	V	32.35	6.79	41.34	6.10	-	53.70	105.31	51.61
5 924.92	47.68	Peak	V	32.50	6.79	41.35	6.10	-	51.72	68.26	16.54

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.2 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.77	49.39	Peak	H	32.00	6.44	41.31	6.10	-	52.62	68.77	16.15
5 710.80	53.43	Peak	H	32.02	6.44	41.32	6.10	-	56.67	108.22	51.55
5 720.57	56.72	Peak	H	32.04	6.44	41.32	6.10	-	59.98	112.10	52.12
5 854.83	49.86	Peak	H	32.31	6.79	41.34	6.10	-	53.72	111.19	57.47
5 872.39	50.36	Peak	H	32.34	6.79	41.34	6.10	-	54.25	105.93	51.68
5 924.18	49.59	Peak	H	32.50	6.79	41.35	6.10	-	53.63	68.81	15.18
5 651.22	48.00	Peak	V	32.00	6.44	41.31	6.10	-	51.23	69.10	17.87
5 701.09	50.59	Peak	V	32.00	6.44	41.32	6.10	-	53.81	105.51	51.70
5 720.33	49.90	Peak	V	32.04	6.44	41.32	6.10	-	53.16	111.55	58.39
5 854.96	48.48	Peak	V	32.31	6.79	41.34	6.10	-	52.34	110.89	58.55
5 874.41	48.33	Peak	V	32.35	6.79	41.34	6.10	-	52.23	105.37	53.14
5 924.98	48.28	Peak	V	32.50	6.79	41.35	6.10	-	52.32	68.21	15.89

High Channel											
5 650.02	47.91	Peak	H	32.00	6.44	41.31	6.10	-	51.14	68.21	17.07
5 700.09	49.43	Peak	H	32.00	6.44	41.32	6.10	-	52.65	105.23	52.58
5 720.01	48.65	Peak	H	32.04	6.44	41.32	6.10	-	51.91	110.82	58.91
5 854.79	49.54	Peak	H	32.31	6.79	41.34	6.10	-	53.40	111.28	57.88
5 872.05	50.18	Peak	H	32.34	6.79	41.34	6.10	-	54.07	106.03	51.96
5 924.78	48.92	Peak	H	32.50	6.79	41.35	6.10	-	52.96	68.36	15.40
5 650.02	47.68	Peak	V	32.00	6.44	41.31	6.10	-	50.91	68.21	17.30
5 701.27	48.71	Peak	V	32.00	6.44	41.32	6.10	-	51.93	105.56	53.63
5 720.02	49.18	Peak	V	32.04	6.44	41.32	6.10	-	52.44	110.85	58.41
5 854.82	49.13	Peak	V	32.31	6.79	41.34	6.10	-	52.99	111.21	58.22
5 873.67	49.37	Peak	V	32.35	6.79	41.34	6.10	-	53.27	105.57	52.30
5 924.92	48.70	Peak	V	32.50	6.79	41.35	6.10	-	52.74	68.26	15.52

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.3 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.27	48.10	Peak	H	32.00	6.44	41.31	6.10	-	51.33	68.40	17.07
5 719.71	56.15	Peak	H	32.04	6.44	41.32	6.10	-	59.41	110.72	51.31
5 720.01	54.02	Peak	H	32.04	6.44	41.32	6.10	-	57.28	110.82	53.54
5 854.86	49.32	Peak	H	32.31	6.79	41.34	6.10	-	53.18	111.12	57.94
5 874.65	49.10	Peak	H	32.35	6.79	41.34	6.10	-	53.00	105.30	52.30
5 923.23	49.26	Peak	H	32.49	6.79	41.35	6.10	-	53.29	69.51	16.22
5 651.87	48.86	Peak	V	32.00	6.44	41.31	6.10	-	52.09	69.58	17.49
5 700.95	48.75	Peak	V	32.00	6.44	41.32	6.10	-	51.97	105.47	53.50
5 720.02	48.91	Peak	V	32.04	6.44	41.32	6.10	-	52.17	110.85	58.68
5 854.87	49.06	Peak	V	32.31	6.79	41.34	6.10	-	52.92	111.10	58.18
5 871.83	49.77	Peak	V	32.34	6.79	41.34	6.10	-	53.66	106.09	52.43
5 924.98	47.64	Peak	V	32.50	6.79	41.35	6.10	-	51.68	68.21	16.53

High Channel											
5 650.12	47.96	Peak	H	32.00	6.44	41.31	6.10	-	51.19	68.29	17.10
5 700.45	48.48	Peak	H	32.00	6.44	41.32	6.10	-	51.70	105.33	53.63
5 720.10	49.59	Peak	H	32.04	6.44	41.32	6.10	-	52.85	111.03	58.18
5 854.90	48.77	Peak	H	32.31	6.79	41.34	6.10	-	52.63	111.03	58.40
5 874.41	49.88	Peak	H	32.35	6.79	41.34	6.10	-	53.78	105.37	51.59
5 924.88	48.17	Peak	H	32.50	6.79	41.35	6.10	-	52.21	68.29	16.08
5 650.02	47.66	Peak	V	32.00	6.44	41.31	6.10	-	50.89	68.21	17.32
5 702.59	50.08	Peak	V	32.01	6.44	41.32	6.10	-	53.31	105.93	52.62
5 720.00	48.18	Peak	V	32.04	6.44	41.32	6.10	-	51.44	110.80	59.36
5 854.89	48.54	Peak	V	32.31	6.79	41.34	6.10	-	52.40	111.05	58.65
5 873.75	49.31	Peak	V	32.35	6.79	41.34	6.10	-	53.21	105.55	52.34
5 924.98	47.92	Peak	V	32.50	6.79	41.35	6.10	-	51.96	68.21	16.25

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.4 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.02	47.98	Peak	H	32.00	6.44	41.31	6.10	-	51.21	68.21	17.00
5 704.33	49.97	Peak	H	32.01	6.44	41.32	6.10	-	53.20	106.41	53.21
5 721.39	54.24	Peak	H	32.04	6.44	41.32	6.10	-	57.50	113.97	56.47
5 854.79	49.43	Peak	H	32.31	6.79	41.34	6.10	-	53.29	111.28	57.99
5 871.61	49.47	Peak	H	32.34	6.79	41.34	6.10	-	53.36	106.15	52.79
5 924.73	48.39	Peak	H	32.50	6.79	41.35	6.10	-	52.43	68.40	15.97
5 650.52	47.65	Peak	V	32.00	6.44	41.31	6.10	-	50.88	68.58	17.70
5 700.89	48.59	Peak	V	32.00	6.44	41.32	6.10	-	51.81	105.45	53.64
5 720.26	48.86	Peak	V	32.04	6.44	41.32	6.10	-	52.12	111.39	59.27
5 854.95	48.08	Peak	V	32.31	6.79	41.34	6.10	-	51.94	110.91	58.97
5 874.13	49.79	Peak	V	32.35	6.79	41.34	6.10	-	53.69	105.44	51.75
5 924.73	48.37	Peak	V	32.50	6.79	41.35	6.10	-	52.41	68.40	15.99

High Channel											
5 650.22	47.48	Peak	H	32.00	6.44	41.31	6.10	-	50.71	68.36	17.65
5 700.35	49.24	Peak	H	32.00	6.44	41.32	6.10	-	52.46	105.30	52.84
5 720.05	48.34	Peak	H	32.04	6.44	41.32	6.10	-	51.60	110.91	59.31
5 854.99	49.08	Peak	H	32.31	6.79	41.34	6.10	-	52.94	110.82	57.88
5 873.91	49.01	Peak	H	32.35	6.79	41.34	6.10	-	52.91	105.51	52.60
5 924.18	48.79	Peak	H	32.50	6.79	41.35	6.10	-	52.83	68.81	15.98
5 650.52	48.47	Peak	V	32.00	6.44	41.31	6.10	-	51.70	68.58	16.88
5 700.97	49.11	Peak	V	32.00	6.44	41.32	6.10	-	52.33	105.47	53.14
5 720.03	48.03	Peak	V	32.04	6.44	41.32	6.10	-	51.29	110.87	59.58
5 854.87	48.65	Peak	V	32.31	6.79	41.34	6.10	-	52.51	111.10	58.59
5 873.91	48.95	Peak	V	32.35	6.79	41.34	6.10	-	52.85	105.51	52.66
5 924.13	48.91	Peak	V	32.50	6.79	41.35	6.10	-	52.95	68.84	15.89

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.5 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 0

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.67	48.81	Peak	H	32.00	6.44	41.31	6.10	-	52.04	68.70	16.66
5 719.01	56.12	Peak	H	32.04	6.44	41.32	6.10	-	59.38	110.52	51.14
5 720.05	55.88	Peak	H	32.04	6.44	41.32	6.10	-	59.14	110.91	51.77
5 854.90	49.00	Peak	H	32.31	6.79	41.34	6.10	-	52.86	111.03	58.17
5 874.19	49.46	Peak	H	32.35	6.79	41.34	6.10	-	53.36	105.43	52.07
5 924.73	48.28	Peak	H	32.50	6.79	41.35	6.10	-	52.32	68.40	16.08
5 650.52	48.09	Peak	V	32.00	6.44	41.31	6.10	-	51.32	68.58	17.26
5 700.89	48.57	Peak	V	32.00	6.44	41.32	6.10	-	51.79	105.45	53.66
5 720.03	49.01	Peak	V	32.04	6.44	41.32	6.10	-	52.27	110.87	58.60
5 854.99	48.27	Peak	V	32.31	6.79	41.34	6.10	-	52.13	110.82	58.69
5 874.43	49.08	Peak	V	32.35	6.79	41.34	6.10	-	52.98	105.36	52.38
5 924.98	48.49	Peak	V	32.50	6.79	41.35	6.10	-	52.53	68.21	15.68

High Channel											
5 650.77	49.23	Peak	H	32.00	6.44	41.31	6.10	-	52.46	68.77	16.31
5 700.53	48.73	Peak	H	32.00	6.44	41.32	6.10	-	51.95	105.35	53.40
5 720.21	49.06	Peak	H	32.04	6.44	41.32	6.10	-	52.32	111.28	58.96
5 854.76	48.96	Peak	H	32.31	6.79	41.34	6.10	-	52.82	111.35	58.53
5 873.59	49.53	Peak	H	32.35	6.79	41.34	6.10	-	53.43	105.59	52.16
5 924.73	48.26	Peak	H	32.50	6.79	41.35	6.10	-	52.30	68.40	16.10
5 651.27	48.18	Peak	V	32.00	6.44	41.31	6.10	-	51.41	69.14	17.73
5 702.03	48.79	Peak	V	32.00	6.44	41.32	6.10	-	52.01	105.77	53.76
5 720.03	49.43	Peak	V	32.04	6.44	41.32	6.10	-	52.69	110.87	58.18
5 854.88	49.10	Peak	V	32.31	6.79	41.34	6.10	-	52.96	111.07	58.11
5 873.91	49.14	Peak	V	32.35	6.79	41.34	6.10	-	53.04	105.51	52.47
5 924.92	50.25	Peak	V	32.50	6.79	41.35	6.10	-	54.29	68.26	13.97

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.6 Test data for 802.11ac_HT80 RLAN Mode_SISO Antenna 0

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.22	48.81	Peak	H	32.00	6.44	41.31	6.10	-	52.04	68.36	16.32
5 700.17	53.48	Peak	H	32.00	6.44	41.32	6.10	-	56.70	105.25	48.55
5 720.14	53.63	Peak	H	32.04	6.44	41.32	6.10	-	56.89	111.12	54.23
5 854.98	49.07	Peak	H	32.31	6.79	41.34	6.10	-	52.93	110.85	57.92
5 874.85	48.70	Peak	H	32.35	6.79	41.34	6.10	-	52.60	105.24	52.64
5 924.83	48.46	Peak	H	32.50	6.79	41.35	6.10	-	52.50	68.33	15.83
5 650.12	47.88	Peak	V	32.00	6.44	41.31	6.10	-	51.11	68.29	17.18
5 700.71	49.93	Peak	V	32.00	6.44	41.32	6.10	-	53.15	105.40	52.25
5 720.13	49.35	Peak	V	32.04	6.44	41.32	6.10	-	52.61	111.10	58.49
5 854.81	48.95	Peak	V	32.31	6.79	41.34	6.10	-	52.81	111.23	58.42
5 874.55	48.92	Peak	V	32.35	6.79	41.34	6.10	-	52.82	105.33	52.51
5 924.88	48.48	Peak	V	32.50	6.79	41.35	6.10	-	52.52	68.29	15.77

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

$$\text{Margin (dB)} = \text{Limits (dB}\mu\text{V/m)} - \text{Total Level (dB}\mu\text{V/m)}$$

$$\text{Total Level} = \text{Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{AMP Gain} + \text{ATT} + \text{Duty Factor}$$

15.7.7 Test data for 802.11a RLAN Mode_SISO Antenna 1

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.22	47.59	Peak	H	32.00	6.44	41.31	6.10	-	50.82	68.36	17.54
5 700.17	48.48	Peak	H	32.00	6.44	41.32	6.10	-	51.70	105.25	53.55
5 720.15	52.88	Peak	H	32.04	6.44	41.32	6.10	-	56.14	111.14	55.00
5 854.93	48.34	Peak	H	32.31	6.79	41.34	6.10	-	52.20	110.96	58.76
5 874.63	48.66	Peak	H	32.35	6.79	41.34	6.10	-	52.56	105.30	52.74
5 924.48	48.34	Peak	H	32.50	6.79	41.35	6.10	-	52.38	68.58	16.20
5 650.42	47.58	Peak	V	32.00	6.44	41.31	6.10	-	50.81	68.51	17.70
5 701.61	49.42	Peak	V	32.00	6.44	41.32	6.10	-	52.64	105.65	53.01
5 720.09	52.91	Peak	V	32.04	6.44	41.32	6.10	-	56.17	111.01	54.84
5 854.87	48.43	Peak	V	32.31	6.79	41.34	6.10	-	52.29	111.10	58.81
5 873.81	49.62	Peak	V	32.35	6.79	41.34	6.10	-	53.52	105.53	52.01
5 924.73	48.32	Peak	V	32.50	6.79	41.35	6.10	-	52.36	68.40	16.04

High Channel											
5 650.42	48.59	Peak	H	32.00	6.44	41.31	6.10	-	51.82	68.51	16.69
5 701.37	48.84	Peak	H	32.00	6.44	41.32	6.10	-	52.06	105.58	53.52
5 720.13	48.04	Peak	H	32.04	6.44	41.32	6.10	-	51.30	111.10	59.80
5 854.73	49.05	Peak	H	32.31	6.79	41.34	6.10	-	52.91	111.42	58.51
5 871.45	49.76	Peak	H	32.34	6.79	41.34	6.10	-	53.65	106.19	52.54
5 924.58	48.43	Peak	H	32.50	6.79	41.35	6.10	-	52.47	68.51	16.04
5 652.82	49.75	Peak	V	32.00	6.44	41.31	6.10	-	52.98	70.29	17.31
5 701.17	49.33	Peak	V	32.00	6.44	41.32	6.10	-	52.55	105.53	52.98
5 720.45	49.32	Peak	V	32.04	6.44	41.32	6.10	-	52.58	111.83	59.25
5 854.92	49.10	Peak	V	32.31	6.79	41.34	6.10	-	52.96	110.98	58.02
5 870.43	50.48	Peak	V	32.34	6.79	41.34	6.10	-	54.37	106.48	52.11
5 924.68	48.04	Peak	V	32.50	6.79	41.35	6.10	-	52.08	68.44	16.36

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.8 Test data for 802.11n_HT20 RLAN Mode_SISO Antenna 1

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.02	47.65	Peak	H	32.00	6.44	41.31	6.10	-	50.88	68.21	17.33
5 710.44	52.51	Peak	H	32.02	6.44	41.32	6.10	-	55.75	108.12	52.37
5 720.08	52.61	Peak	H	32.04	6.44	41.32	6.10	-	55.87	110.98	55.11
5 854.99	48.46	Peak	H	32.31	6.79	41.34	6.10	-	52.32	110.82	58.50
5 870.43	50.12	Peak	H	32.34	6.79	41.34	6.10	-	54.01	106.48	52.47
5 924.18	48.58	Peak	H	32.50	6.79	41.35	6.10	-	52.62	68.81	16.19
5 650.52	48.23	Peak	V	32.00	6.44	41.31	6.10	-	51.46	68.58	17.12
5 710.86	53.31	Peak	V	32.02	6.44	41.32	6.10	-	56.55	108.24	51.69
5 723.43	61.24	Peak	V	32.05	6.44	41.32	6.10	-	64.51	118.62	54.11
5 855.00	48.06	Peak	V	32.31	6.79	41.34	6.10	-	51.92	110.80	58.88
5 873.99	48.95	Peak	V	32.35	6.79	41.34	6.10	-	52.85	105.48	52.63
5 924.58	48.39	Peak	V	32.50	6.79	41.35	6.10	-	52.43	68.51	16.08

High Channel											
5 650.22	47.60	Peak	H	32.00	6.44	41.31	6.10	-	50.83	68.36	17.53
5 700.05	48.32	Peak	H	32.00	6.44	41.32	6.10	-	51.54	105.21	53.67
5 720.20	49.53	Peak	H	32.04	6.44	41.32	6.10	-	52.79	111.26	58.47
5 854.72	50.85	Peak	H	32.31	6.79	41.34	6.10	-	54.71	111.44	56.73
5 872.75	49.73	Peak	H	32.35	6.79	41.34	6.10	-	53.63	105.83	52.20
5 924.98	48.75	Peak	H	32.50	6.79	41.35	6.10	-	52.79	68.21	15.42
5 650.12	47.58	Peak	V	32.00	6.44	41.31	6.10	-	50.81	68.29	17.48
5 701.33	49.58	Peak	V	32.00	6.44	41.32	6.10	-	52.80	105.57	52.77
5 720.15	48.31	Peak	V	32.04	6.44	41.32	6.10	-	51.57	111.14	59.57
5 854.97	51.54	Peak	V	32.31	6.79	41.34	6.10	-	55.40	110.87	55.47
5 873.59	49.44	Peak	V	32.35	6.79	41.34	6.10	-	53.34	105.59	52.25
5 924.68	48.92	Peak	V	32.50	6.79	41.35	6.10	-	52.96	68.44	15.48

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.9 Test data for 802.11n_HT40 RLAN Mode_SISO Antenna 1

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.08	47.89	Peak	H	32.00	6.44	41.31	6.10	-	51.12	68.26	17.14
5 718.69	60.28	Peak	H	32.04	6.44	41.32	6.10	-	63.54	110.43	46.89
5 720.04	58.62	Peak	H	32.04	6.44	41.32	6.10	-	61.88	110.89	49.01
5 854.83	49.29	Peak	H	32.31	6.79	41.34	6.10	-	53.15	111.19	58.04
5 874.79	48.88	Peak	H	32.35	6.79	41.34	6.10	-	52.78	105.26	52.48
5 924.98	48.50	Peak	H	32.50	6.79	41.35	6.10	-	52.54	68.21	15.67
5 650.67	48.73	Peak	V	32.00	6.44	41.31	6.10	-	51.96	68.70	16.74
5 719.15	60.98	Peak	V	32.04	6.44	41.32	6.10	-	64.24	110.56	46.32
5 720.03	59.08	Peak	V	32.04	6.44	41.32	6.10	-	62.34	110.87	48.53
5 854.83	48.95	Peak	V	32.31	6.79	41.34	6.10	-	52.81	111.19	58.38
5 872.73	49.95	Peak	V	32.35	6.79	41.34	6.10	-	53.85	105.84	51.99
5 924.28	49.24	Peak	V	32.50	6.79	41.35	6.10	-	53.28	68.73	15.45

High Channel											
5 650.12	48.34	Peak	H	32.00	6.44	41.31	6.10	-	51.57	68.29	16.72
5 700.95	48.98	Peak	H	32.00	6.44	41.32	6.10	-	52.20	105.47	53.27
5 720.12	49.41	Peak	H	32.04	6.44	41.32	6.10	-	52.67	111.07	58.40
5 854.71	49.71	Peak	H	32.31	6.79	41.34	6.10	-	53.57	111.46	57.89
5 871.91	49.59	Peak	H	32.34	6.79	41.34	6.10	-	53.48	106.07	52.59
5 924.38	48.77	Peak	H	32.50	6.79	41.35	6.10	-	52.81	68.66	15.85
5 650.02	48.52	Peak	V	32.00	6.44	41.31	6.10	-	51.75	68.21	16.46
5 700.09	48.38	Peak	V	32.00	6.44	41.32	6.10	-	51.60	105.23	53.63
5 720.18	49.17	Peak	V	32.04	6.44	41.32	6.10	-	52.43	111.21	58.78
5 855.00	49.57	Peak	V	32.31	6.79	41.34	6.10	-	53.43	110.80	57.37
5 873.81	49.62	Peak	V	32.35	6.79	41.34	6.10	-	53.52	105.53	52.01
5 923.83	49.23	Peak	V	32.50	6.79	41.35	6.10	-	53.27	69.07	15.80

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.10 Test data for 802.11ac_VHT20 RLAN Mode_SISO Antenna 1

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 651.42	48.42	Peak	H	32.00	6.44	41.31	6.10	-	51.65	69.25	17.60
5 716.97	56.25	Peak	H	32.03	6.44	41.32	6.10	-	59.50	109.95	50.45
5 720.78	57.88	Peak	H	32.04	6.44	41.32	6.10	-	61.14	112.58	51.44
5 854.61	49.09	Peak	H	32.31	6.79	41.34	6.10	-	52.95	111.69	58.74
5 874.77	49.07	Peak	H	32.35	6.79	41.34	6.10	-	52.97	105.26	52.29
5 924.73	48.60	Peak	H	32.50	6.79	41.35	6.10	-	52.64	68.40	15.76
5 650.32	48.18	Peak	V	32.00	6.44	41.31	6.10	-	51.41	68.58	17.17
5 710.72	54.59	Peak	V	32.02	6.44	41.32	6.10	-	57.83	105.45	47.62
5 721.35	58.20	Peak	V	32.04	6.44	41.32	6.10	-	61.46	111.39	49.93
5 854.99	49.01	Peak	V	32.31	6.79	41.34	6.10	-	52.87	110.91	58.04
5 874.63	48.98	Peak	V	32.35	6.79	41.34	6.10	-	52.88	105.44	52.56
5 924.98	48.34	Peak	V	32.50	6.79	41.35	6.10	-	52.38	68.40	16.02

High Channel											
5 650.82	47.49	Peak	H	32.00	6.44	41.31	6.10	-	50.72	68.81	18.09
5 700.87	49.15	Peak	H	32.00	6.44	41.32	6.10	-	52.37	105.44	53.07
5 720.00	47.61	Peak	H	32.04	6.44	41.32	6.10	-	50.87	110.80	59.93
5 854.72	50.57	Peak	H	32.31	6.79	41.34	6.10	-	54.43	111.44	57.01
5 873.61	50.46	Peak	H	32.35	6.79	41.34	6.10	-	54.36	105.59	51.23
5 924.73	48.26	Peak	H	32.50	6.79	41.35	6.10	-	52.30	68.40	16.10
5 650.17	47.49	Peak	V	32.00	6.44	41.31	6.10	-	50.72	68.58	17.86
5 700.23	49.01	Peak	V	32.00	6.44	41.32	6.10	-	52.23	105.47	53.24
5 720.05	48.43	Peak	V	32.04	6.44	41.32	6.10	-	51.69	110.87	59.18
5 854.97	50.43	Peak	V	32.31	6.79	41.34	6.10	-	54.29	111.10	56.81
5 873.85	49.29	Peak	V	32.35	6.79	41.34	6.10	-	53.19	105.51	52.32
5 924.28	48.80	Peak	V	32.50	6.79	41.35	6.10	-	52.84	68.84	16.00

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.11 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 1 [Basic]

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 651.77	48.96	Peak	H	32.00	6.44	41.31	6.10	-	52.19	69.51	17.32
5 719.17	59.11	Peak	H	32.04	6.44	41.32	6.10	-	62.37	110.57	48.20
5 720.61	60.81	Peak	H	32.04	6.44	41.32	6.10	-	64.07	112.19	48.12
5 854.66	49.34	Peak	H	32.31	6.79	41.34	6.10	-	53.20	111.58	58.38
5 874.33	48.62	Peak	H	32.35	6.79	41.34	6.10	-	52.52	105.39	52.87
5 924.98	48.63	Peak	H	32.50	6.79	41.35	6.10	-	52.67	68.21	15.54
5 650.02	48.23	Peak	V	32.00	6.44	41.31	6.10	-	51.46	68.21	16.75
5 704.01	53.50	Peak	V	32.01	6.44	41.32	6.10	-	56.73	106.32	49.59
5 720.90	59.14	Peak	V	32.04	6.44	41.32	6.10	-	62.40	112.85	50.45
5 854.93	48.60	Peak	V	32.31	6.79	41.34	6.10	-	52.46	110.96	58.50
5 874.79	49.00	Peak	V	32.35	6.79	41.34	6.10	-	52.90	105.26	52.36
5 924.92	49.88	Peak	V	32.50	6.79	41.35	6.10	-	53.92	68.26	14.34

High Channel											
5 652.87	49.41	Peak	H	32.00	6.44	41.31	6.10	-	52.64	70.32	17.68
5 700.31	48.71	Peak	H	32.00	6.44	41.32	6.10	-	51.93	105.29	53.36
5 720.38	49.52	Peak	H	32.04	6.44	41.32	6.10	-	52.78	111.67	58.89
5 854.93	48.96	Peak	H	32.31	6.79	41.34	6.10	-	52.82	110.96	58.14
5 874.59	49.28	Peak	H	32.35	6.79	41.34	6.10	-	53.18	105.31	52.13
5 924.98	50.51	Peak	H	32.50	6.79	41.35	6.10	-	54.55	68.21	13.66
5 650.02	47.69	Peak	V	32.00	6.44	41.31	6.10	-	50.92	68.21	17.29
5 700.15	49.23	Peak	V	32.00	6.44	41.32	6.10	-	52.45	105.24	52.79
5 720.29	50.48	Peak	V	32.04	6.44	41.32	6.10	-	53.74	111.46	57.72
5 854.53	49.93	Peak	V	32.31	6.79	41.34	6.10	-	53.79	111.87	58.08
5 874.53	49.62	Peak	V	32.35	6.79	41.34	6.10	-	53.52	105.33	51.81
5 924.78	48.89	Peak	V	32.50	6.79	41.35	6.10	-	52.93	68.36	15.43

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.12 Test data for 802.11ac_VHT40 RLAN Mode_SISO Antenna 1 [Option 1]

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.52	48.02	Peak	H	32.00	6.44	41.31	6.10	-	51.25	68.58	17.33
5 718.93	57.14	Peak	H	32.04	6.44	41.32	6.10	-	60.40	110.50	50.10
5 720.83	58.37	Peak	H	32.04	6.44	41.32	6.10	-	61.63	112.69	51.06
5 854.57	49.39	Peak	H	32.31	6.79	41.34	6.10	-	53.25	111.78	58.53
5 874.55	48.63	Peak	H	32.35	6.79	41.34	6.10	-	52.53	105.33	52.80
5 924.63	48.32	Peak	H	32.50	6.79	41.35	6.10	-	52.36	68.47	16.11
5 650.12	48.45	Peak	V	32.00	6.44	41.31	6.10	-	51.68	68.29	16.61
5 718.77	58.53	Peak	V	32.04	6.44	41.32	6.10	-	61.79	110.46	48.67
5 720.99	60.40	Peak	V	32.04	6.44	41.32	6.10	-	63.66	113.06	49.40
5 854.87	49.08	Peak	V	32.31	6.79	41.34	6.10	-	52.94	111.10	58.16
5 874.95	49.33	Peak	V	32.35	6.79	41.34	6.10	-	53.23	105.21	51.98
5 923.58	48.73	Peak	V	32.49	6.79	41.35	6.10	-	52.76	69.25	16.49

High Channel											
5 651.22	49.03	Peak	H	32.00	6.44	41.31	6.10	-	52.26	69.10	16.84
5 700.05	49.32	Peak	H	32.00	6.44	41.32	6.10	-	52.54	105.21	52.67
5 720.07	48.64	Peak	H	32.04	6.44	41.32	6.10	-	51.90	110.96	59.06
5 854.98	48.85	Peak	H	32.31	6.79	41.34	6.10	-	52.71	110.85	58.14
5 874.81	48.80	Peak	H	32.35	6.79	41.34	6.10	-	52.70	105.25	52.55
5 924.13	49.36	Peak	H	32.50	6.79	41.35	6.10	-	53.40	68.84	15.44
5 650.57	48.35	Peak	V	32.00	6.44	41.31	6.10	-	51.58	68.62	17.04
5 701.19	49.25	Peak	V	32.00	6.44	41.32	6.10	-	52.47	105.53	53.06
5 720.13	49.48	Peak	V	32.04	6.44	41.32	6.10	-	52.74	111.10	58.36
5 854.61	49.83	Peak	V	32.31	6.79	41.34	6.10	-	53.69	111.69	58.00
5 874.81	49.42	Peak	V	32.35	6.79	41.34	6.10	-	53.32	105.25	51.93
5 924.53	48.63	Peak	V	32.50	6.79	41.35	6.10	-	52.67	68.55	15.88

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.13 Test data for 802.11ac_HT80 RLAN Mode_SISO Antenna 1

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.32	48.03	Peak	H	32.00	6.44	41.31	6.10	-	51.26	68.44	17.18
5 701.11	57.41	Peak	H	32.00	6.44	41.32	6.10	-	60.63	105.51	44.88
5 720.17	56.04	Peak	H	32.04	6.44	41.32	6.10	-	59.30	111.19	51.89
5 854.29	53.47	Peak	H	32.31	6.79	41.34	6.10	-	57.33	112.42	55.09
5 870.45	50.69	Peak	H	32.34	6.79	41.34	6.10	-	54.58	106.47	51.89
5 924.88	48.02	Peak	H	32.50	6.79	41.35	6.10	-	52.06	68.29	16.23
5 650.52	48.87	Peak	V	32.00	6.44	41.31	6.10	-	52.10	68.58	16.48
5 701.19	56.88	Peak	V	32.00	6.44	41.32	6.10	-	60.10	105.53	45.43
5 720.33	55.97	Peak	V	32.04	6.44	41.32	6.10	-	59.23	111.55	52.32
5 855.00	51.90	Peak	V	32.31	6.79	41.34	6.10	-	55.76	110.80	55.04
5 864.62	52.59	Peak	V	32.33	6.79	41.34	6.10	-	56.47	108.11	51.64
5 924.63	49.23	Peak	V	32.50	6.79	41.35	6.10	-	53.27	68.47	15.20

Tabulated test data for Restricted Band

Remark: “H”: Horizontal, “V”: Vertical

$$\text{Margin (dB)} = \text{Limits (dB}\mu\text{V/m)} - \text{Total Level (dB}\mu\text{V/m)}$$

$$\text{Total Level} = \text{Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{AMP Gain} + \text{ATT} + \text{Duty Factor}$$

15.7.14 Test data for 802.11n_HT20 RLAN Mode_Multiple Transmit

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 651.47	48.66	Peak	H	32.00	6.44	41.31	6.10	-	51.89	69.29	17.40
5 700.03	48.64	Peak	H	32.00	6.44	41.32	6.10	-	51.86	105.21	53.35
5 720.69	50.41	Peak	H	32.04	6.44	41.32	6.10	-	53.67	112.37	58.70
5 854.88	48.77	Peak	H	32.31	6.79	41.34	6.10	-	52.63	111.07	58.44
5 874.87	48.67	Peak	H	32.35	6.79	41.34	6.10	-	52.57	105.24	52.67
5 924.92	48.82	Peak	H	32.50	6.79	41.35	6.10	-	52.86	68.26	15.40
5 650.22	47.95	Peak	V	32.00	6.44	41.31	6.10	-	51.18	68.36	17.18
5 700.05	48.72	Peak	V	32.00	6.44	41.32	6.10	-	51.94	105.21	53.27
5 720.03	48.57	Peak	V	32.04	6.44	41.32	6.10	-	51.83	110.87	59.04
5 854.84	49.29	Peak	V	32.31	6.79	41.34	6.10	-	53.15	111.16	58.01
5 874.61	49.01	Peak	V	32.35	6.79	41.34	6.10	-	52.91	105.31	52.40
5 924.13	49.22	Peak	V	32.50	6.79	41.35	6.10	-	53.26	68.84	15.58

High Channel											
5 650.08	48.31	Peak	H	32.00	6.44	41.31	6.10	-	51.54	68.26	16.72
5 700.21	49.33	Peak	H	32.00	6.44	41.32	6.10	-	52.55	105.26	52.71
5 720.05	48.54	Peak	H	32.04	6.44	41.32	6.10	-	51.80	110.91	59.11
5 854.86	48.61	Peak	H	32.31	6.79	41.34	6.10	-	52.47	111.12	58.65
5 874.77	48.84	Peak	H	32.35	6.79	41.34	6.10	-	52.74	105.26	52.52
5 924.43	49.17	Peak	H	32.50	6.79	41.35	6.10	-	53.21	68.62	15.41
5 651.07	49.58	Peak	V	32.00	6.44	41.31	6.10	-	52.81	68.99	16.18
5 700.29	48.38	Peak	V	32.00	6.44	41.32	6.10	-	51.60	105.28	53.68
5 720.11	48.26	Peak	V	32.04	6.44	41.32	6.10	-	51.52	111.05	59.53
5 854.83	49.73	Peak	V	32.31	6.79	41.34	6.10	-	53.59	111.19	57.60
5 874.79	48.81	Peak	V	32.35	6.79	41.34	6.10	-	52.71	105.26	52.55
5 924.68	48.39	Peak	V	32.50	6.79	41.35	6.10	-	52.43	68.44	16.01

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.15 Test data for 802.11n_HT40 RLAN Mode_Multiple Transmit

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.97	48.53	Peak	H	32.00	6.44	41.31	6.10	-	51.76	68.92	17.16
5 700.05	49.21	Peak	H	32.00	6.44	41.32	6.10	-	52.43	105.21	52.78
5 720.36	51.15	Peak	H	32.04	6.44	41.32	6.10	-	54.41	111.62	57.21
5 854.91	49.25	Peak	H	32.31	6.79	41.34	6.10	-	53.11	111.01	57.90
5 873.33	49.20	Peak	H	32.35	6.79	41.34	6.10	-	53.10	105.67	52.57
5 924.08	48.88	Peak	H	32.50	6.79	41.35	6.10	-	52.92	68.88	15.96
5 650.12	48.92	Peak	V	32.00	6.44	41.31	6.10	-	52.15	68.29	16.14
5 700.63	49.38	Peak	V	32.00	6.44	41.32	6.10	-	52.60	105.38	52.78
5 720.04	49.78	Peak	V	32.04	6.44	41.32	6.10	-	53.04	110.89	57.85
5 854.60	49.92	Peak	V	32.31	6.79	41.34	6.10	-	53.78	111.71	57.93
5 874.65	48.83	Peak	V	32.35	6.79	41.34	6.10	-	52.73	105.30	52.57
5 924.33	48.77	Peak	V	32.50	6.79	41.35	6.10	-	52.81	68.70	15.89

High Channel											
5 650.32	48.21	Peak	H	32.00	6.44	41.31	6.10	-	51.44	68.44	17.00
5 700.55	48.67	Peak	H	32.00	6.44	41.32	6.10	-	51.89	105.35	53.46
5 720.16	49.08	Peak	H	32.04	6.44	41.32	6.10	-	52.34	111.16	58.82
5 854.91	48.33	Peak	H	32.31	6.79	41.34	6.10	-	52.19	111.01	58.82
5 874.85	49.26	Peak	H	32.35	6.79	41.34	6.10	-	53.16	105.24	52.08
5 924.63	48.66	Peak	H	32.50	6.79	41.35	6.10	-	52.70	68.47	15.77
5 650.02	47.49	Peak	V	32.00	6.44	41.31	6.10	-	50.72	68.21	17.49
5 700.91	49.06	Peak	V	32.00	6.44	41.32	6.10	-	52.28	105.45	53.17
5 720.03	48.39	Peak	V	32.04	6.44	41.32	6.10	-	51.65	110.87	59.22
5 854.92	49.63	Peak	V	32.31	6.79	41.34	6.10	-	53.49	110.98	57.49
5 874.87	48.91	Peak	V	32.35	6.79	41.34	6.10	-	52.81	105.24	52.43
5 924.63	49.55	Peak	V	32.50	6.79	41.35	6.10	-	53.59	68.47	14.88

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.16 Test data for 802.11ac_VHT20 RLAN Mode_Multiple Transmit

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.32	48.06	Peak	H	32.00	6.44	41.31	6.10	-	51.29	68.44	17.15
5 701.33	48.91	Peak	H	32.00	6.44	41.32	6.10	-	52.13	105.57	53.44
5 720.09	49.56	Peak	H	32.04	6.44	41.32	6.10	-	52.82	111.01	58.19
5 854.97	48.21	Peak	H	32.31	6.79	41.34	6.10	-	52.07	110.87	58.80
5 873.69	49.08	Peak	H	32.35	6.79	41.34	6.10	-	52.98	105.57	52.59
5 924.78	49.38	Peak	H	32.50	6.79	41.35	6.10	-	53.42	68.36	14.94
5 650.32	48.40	Peak	V	32.00	6.44	41.31	6.10	-	51.63	68.44	16.81
5 702.17	49.44	Peak	V	32.00	6.44	41.32	6.10	-	52.66	105.81	53.15
5 720.02	49.24	Peak	V	32.04	6.44	41.32	6.10	-	52.50	110.85	58.35
5 854.91	48.84	Peak	V	32.31	6.79	41.34	6.10	-	52.70	111.01	58.31
5 873.53	49.11	Peak	V	32.35	6.79	41.34	6.10	-	53.01	105.61	52.60
5 924.38	48.80	Peak	V	32.50	6.79	41.35	6.10	-	52.84	68.66	15.82

High Channel											
5 650.22	48.97	Peak	H	32.00	6.44	41.31	6.10	-	52.20	68.36	16.16
5 700.63	48.54	Peak	H	32.00	6.44	41.32	6.10	-	51.76	105.38	53.62
5 720.12	48.35	Peak	H	32.04	6.44	41.32	6.10	-	51.61	111.07	59.46
5 854.90	49.05	Peak	H	32.31	6.79	41.34	6.10	-	52.91	111.03	58.12
5 874.29	49.28	Peak	H	32.35	6.79	41.34	6.10	-	53.18	105.40	52.22
5 924.98	48.63	Peak	H	32.50	6.79	41.35	6.10	-	52.67	68.21	15.54
5 650.08	48.26	Peak	V	32.00	6.44	41.31	6.10	-	51.49	68.26	16.77
5 700.23	48.61	Peak	V	32.00	6.44	41.32	6.10	-	51.83	105.26	53.43
5 720.35	48.23	Peak	V	32.04	6.44	41.32	6.10	-	51.49	111.60	60.11
5 854.83	48.76	Peak	V	32.31	6.79	41.34	6.10	-	52.62	111.19	58.57
5 872.93	49.82	Peak	V	32.35	6.79	41.34	6.10	-	53.72	105.78	52.06
5 923.23	49.68	Peak	V	32.49	6.79	41.35	6.10	-	53.71	69.51	15.80

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.17 Test data for 802.11ac_VHT40 RLAN Mode_Multiple Transmit [Basic]

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.32	49.32	Peak	H	32.00	6.44	41.31	6.10	-	52.55	68.44	15.89
5 701.09	49.08	Peak	H	32.00	6.44	41.32	6.10	-	52.30	105.51	53.21
5 720.32	51.78	Peak	H	32.04	6.44	41.32	6.10	-	55.04	111.53	56.49
5 854.77	48.77	Peak	H	32.31	6.79	41.34	6.10	-	52.63	111.32	58.69
5 874.69	48.62	Peak	H	32.35	6.79	41.34	6.10	-	52.52	105.29	52.77
5 924.73	48.76	Peak	H	32.50	6.79	41.35	6.10	-	52.80	68.40	15.60
5 650.22	47.96	Peak	V	32.00	6.44	41.31	6.10	-	51.19	68.36	17.17
5 706.44	50.41	Peak	V	32.01	6.44	41.32	6.10	-	53.64	107.00	53.36
5 720.03	49.93	Peak	V	32.04	6.44	41.32	6.10	-	53.19	110.87	57.68
5 854.86	48.16	Peak	V	32.31	6.79	41.34	6.10	-	52.02	111.12	59.10
5 874.15	48.52	Peak	V	32.35	6.79	41.34	6.10	-	52.42	105.44	53.02
5 924.73	49.38	Peak	V	32.50	6.79	41.35	6.10	-	53.42	68.40	14.98

High Channel											
5 650.02	48.04	Peak	H	32.00	6.44	41.31	6.10	-	51.27	68.21	16.94
5 702.53	49.67	Peak	H	32.01	6.44	41.32	6.10	-	52.90	105.91	53.01
5 720.12	49.02	Peak	H	32.04	6.44	41.32	6.10	-	52.28	111.07	58.79
5 854.93	48.57	Peak	H	32.31	6.79	41.34	6.10	-	52.43	110.96	58.53
5 873.69	49.41	Peak	H	32.35	6.79	41.34	6.10	-	53.31	105.57	52.26
5 924.98	48.26	Peak	H	32.50	6.79	41.35	6.10	-	52.30	68.21	15.91
5 650.12	48.15	Peak	V	32.00	6.44	41.31	6.10	-	51.38	68.29	16.91
5 700.91	49.03	Peak	V	32.00	6.44	41.32	6.10	-	52.25	105.45	53.20
5 720.14	48.80	Peak	V	32.04	6.44	41.32	6.10	-	52.06	111.12	59.06
5 854.97	49.30	Peak	V	32.31	6.79	41.34	6.10	-	53.16	110.87	57.71
5 874.97	49.16	Peak	V	32.35	6.79	41.34	6.10	-	53.06	105.21	52.15
5 924.78	48.41	Peak	V	32.50	6.79	41.35	6.10	-	52.45	68.36	15.91

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.18 Test data for 802.11ac_VHT40 RLAN Mode_Multiple Transmit [Option 1]

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.47	49.35	Peak	H	32.00	6.44	41.31	6.10	-	52.58	68.55	15.97
5 700.59	49.61	Peak	H	32.00	6.44	41.32	6.10	-	52.83	105.37	52.54
5 720.21	51.81	Peak	H	32.04	6.44	41.32	6.10	-	55.07	111.28	56.21
5 854.91	48.62	Peak	H	32.31	6.79	41.34	6.10	-	52.48	111.01	58.53
5 874.81	48.54	Peak	H	32.35	6.79	41.34	6.10	-	52.44	105.25	52.81
5 924.63	49.16	Peak	H	32.50	6.79	41.35	6.10	-	53.20	68.47	15.27
5 650.47	48.55	Peak	V	32.00	6.44	41.31	6.10	-	51.78	68.55	16.77
5 702.67	49.87	Peak	V	32.01	6.44	41.32	6.10	-	53.10	105.95	52.85
5 720.00	49.67	Peak	V	32.04	6.44	41.32	6.10	-	52.93	110.80	57.87
5 854.94	48.81	Peak	V	32.31	6.79	41.34	6.10	-	52.67	110.94	58.27
5 873.27	48.70	Peak	V	32.35	6.79	41.34	6.10	-	52.60	105.68	53.08
5 924.98	47.63	Peak	V	32.50	6.79	41.35	6.10	-	51.67	68.21	16.54

High Channel											
5 650.42	47.89	Peak	H	32.00	6.44	41.31	6.10	-	51.12	68.51	17.39
5 700.39	49.27	Peak	H	32.00	6.44	41.32	6.10	-	52.49	105.31	52.82
5 720.04	48.99	Peak	H	32.04	6.44	41.32	6.10	-	52.25	110.89	58.64
5 854.85	49.09	Peak	H	32.31	6.79	41.34	6.10	-	52.95	111.14	58.19
5 874.85	49.10	Peak	H	32.35	6.79	41.34	6.10	-	53.00	105.24	52.24
5 923.63	48.62	Peak	H	32.49	6.79	41.35	6.10	-	52.65	69.21	16.56
5 650.52	48.51	Peak	V	32.00	6.44	41.31	6.10	-	51.74	68.58	16.84
5 701.53	49.14	Peak	V	32.00	6.44	41.32	6.10	-	52.36	105.63	53.27
5 720.05	48.78	Peak	V	32.04	6.44	41.32	6.10	-	52.04	110.91	58.87
5 854.86	48.86	Peak	V	32.31	6.79	41.34	6.10	-	52.72	111.12	58.40
5 873.33	50.07	Peak	V	32.35	6.79	41.34	6.10	-	53.97	105.67	51.70
5 924.38	48.25	Peak	V	32.50	6.79	41.35	6.10	-	52.29	68.66	16.37

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + ATT + Duty Factor

15.7.19 Test data for 802.11ac_VHT80 RLAN Mode_Multiple Transmit

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low Channel											
5 650.37	49.76	Peak	H	32.00	6.44	41.31	6.10	-	52.99	68.47	15.48
5 701.65	52.10	Peak	H	32.00	6.44	41.32	6.10	-	55.32	105.66	50.34
5 720.05	51.49	Peak	H	32.04	6.44	41.32	6.10	-	54.75	110.91	56.16
5 854.54	50.35	Peak	H	32.31	6.79	41.34	6.10	-	54.21	111.85	57.64
5 873.79	49.84	Peak	H	32.35	6.79	41.34	6.10	-	53.74	105.54	51.80
5 924.43	49.75	Peak	H	32.50	6.79	41.35	6.10	-	53.79	68.62	14.83
5 650.12	49.44	Peak	V	32.00	6.44	41.31	6.10	-	52.67	68.29	15.62
5 700.23	49.11	Peak	V	32.00	6.44	41.32	6.10	-	52.33	105.26	52.93
5 720.17	48.97	Peak	V	32.04	6.44	41.32	6.10	-	52.23	111.19	58.96
5 854.98	49.23	Peak	V	32.31	6.79	41.34	6.10	-	53.09	110.85	57.76
5 873.59	50.20	Peak	V	32.35	6.79	41.34	6.10	-	54.10	105.59	51.49
5 924.78	49.44	Peak	V	32.50	6.79	41.35	6.10	-	53.48	68.36	14.88

Tabulated test data for Restricted Band

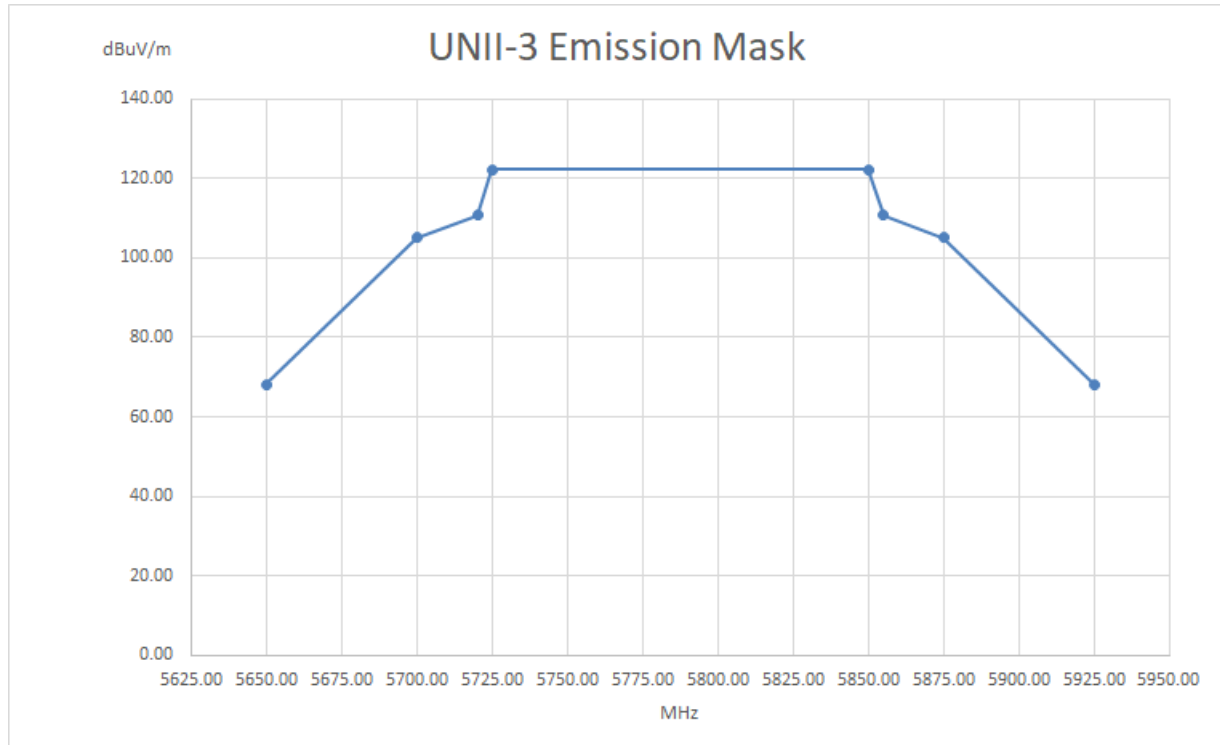
Remark: "H": Horizontal, "V": Vertical

$$\text{Margin (dB)} = \text{Limits (dB}\mu\text{V/m)} - \text{Total Level (dB}\mu\text{V/m)}$$

$$\text{Total Level} = \text{Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{AMP Gain} + \text{ATT} + \text{Duty Factor}$$

15.8 U-NII-3 Emission Limits

15.8.1 Emission Mask Plots



Remark.

-. Title 47 → Part 15 → Subpart E—UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE DEVICES

§ 15.407 General technical requirements.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) 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.

16. CONDUCTED EMISSION TEST

16.1 Operating environment

Temperature : 22 °C
Relative humidity : 41 % R.H.

16.2 Test set-up

The EUT was placed on a wooden table, 0.8 m height above the floor. Power was fed to the EUT through a $50\ \Omega$ / $50\ \mu\text{H}$ + $5\ \Omega$ Artificial Mains Network (AMN). The ground plane was electrically bonded to the reference ground system and all power lines were filtered from ambient.

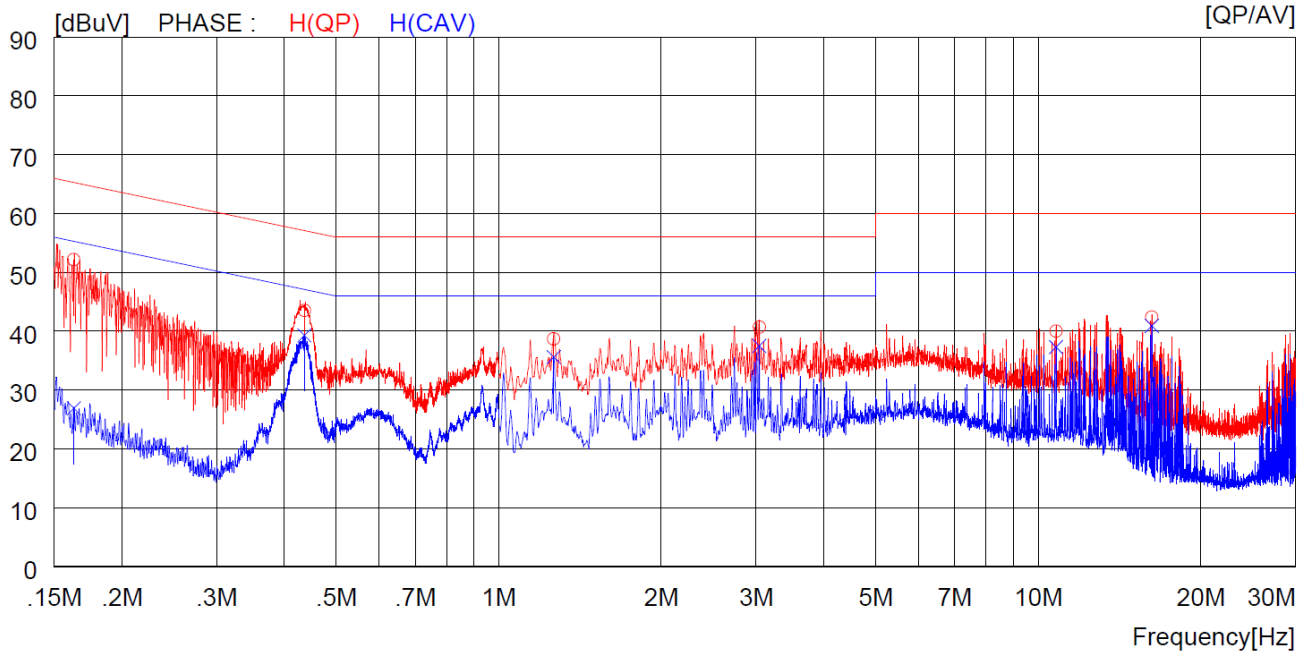
16.3 Test Date

May 07, 2025 ~ June 05, 2025

16.4 Test data for WLAN 5 GHz [Basic]

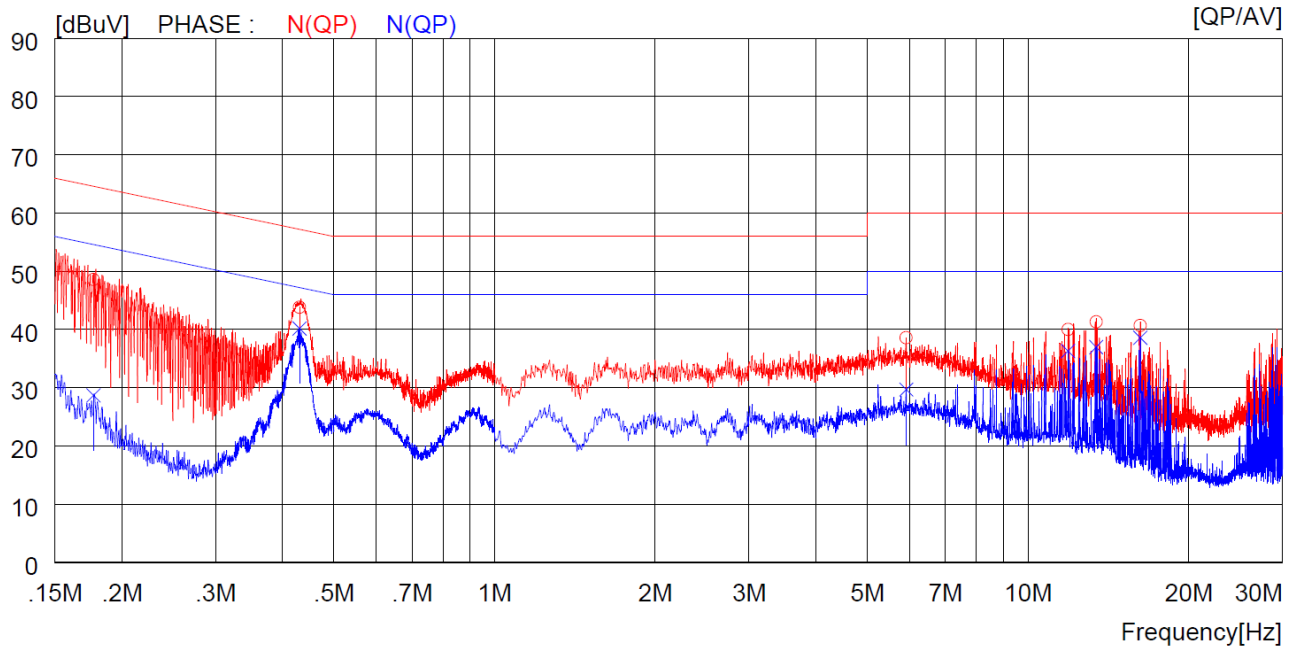
- Resolution bandwidth : 9 kHz
- Frequency range : 0.15 MHz ~ 30 MHz
- Antenna 0, Antenna 1 and Multiple transmit tested, but the worst data were recorded.

- Tested Line : HOT LINE



NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.16300	42.1	----	10.1	52.2	----	65.3	----	13.1	----	H (QP)
2	0.43600	33.4	----	10.1	43.5	----	57.1	----	13.6	----	H (QP)
3	1.26400	28.6	----	10.1	38.7	----	56.0	----	17.3	----	H (QP)
4	3.04000	30.5	----	10.2	40.7	----	56.0	----	15.3	----	H (QP)
5	10.79000	29.4	----	10.6	40.0	----	60.0	----	20.0	----	H (QP)
6	16.23000	31.5	----	10.9	42.4	----	60.0	----	17.6	----	H (QP)
7	0.16300	----	16.8	10.1	----	26.9	----	55.3	----	28.4	H (CAV)
8	0.43600	----	29.2	10.1	----	39.3	----	47.1	----	7.8	H (CAV)
9	1.26400	----	25.5	10.1	----	35.6	----	46.0	----	10.4	H (CAV)
10	3.04000	----	27.3	10.2	----	37.5	----	46.0	----	8.5	H (CAV)
11	10.79000	----	26.7	10.6	----	37.3	----	50.0	----	12.7	H (CAV)
12	16.23000	----	30.0	10.9	----	40.9	----	50.0	----	9.1	H (CAV)

-. Tested Line : NEUTRAL LINE



NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.17700	38.5	----	10.1	48.6	----	64.6	----	16.0	----	N (QP)
2	0.43100	33.7	----	10.1	43.8	----	57.2	----	13.4	----	N (QP)
3	5.91000	28.3	----	10.3	38.6	----	60.0	----	21.4	----	N (QP)
4	11.89000	29.3	----	10.7	40.0	----	60.0	----	20.0	----	N (QP)
5	13.42000	30.5	----	10.8	41.3	----	60.0	----	18.7	----	N (QP)
6	16.23000	29.8	----	10.9	40.7	----	60.0	----	19.3	----	N (QP)
7	0.17700	----	18.6	10.1	----	28.7	----	54.6	----	25.9	N (CAV)
8	0.43100	----	30.1	10.1	----	40.2	----	47.2	----	7.0	N (CAV)
9	5.91000	----	19.4	10.3	----	29.7	----	50.0	----	20.3	N (CAV)
10	11.89000	----	25.6	10.7	----	36.3	----	50.0	----	13.7	N (CAV)
11	13.42000	----	26.2	10.8	----	37.0	----	50.0	----	13.0	N (CAV)
12	16.23000	----	27.7	10.9	----	38.6	----	50.0	----	11.4	N (CAV)

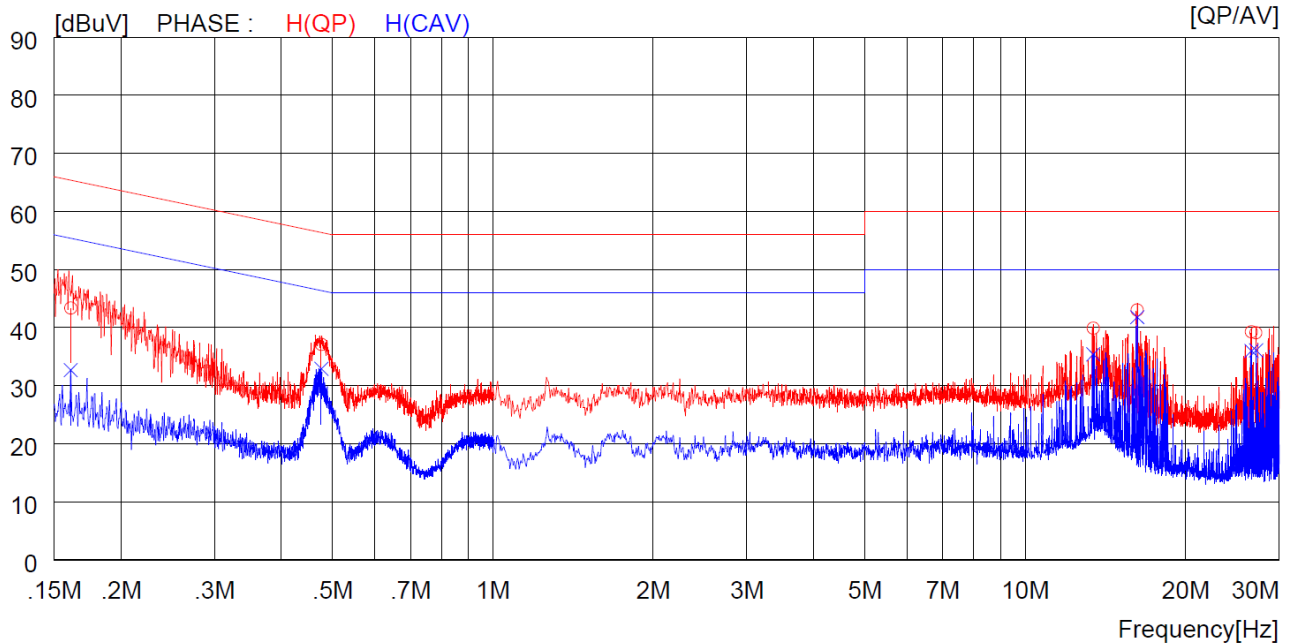
Remark: Margin (dB) = Limit – Level (Result)

The emission level in above table is included the transducer factor that means insertion loss (LISN), cable loss and attenuator.

16.5 Test data for WLAN 5 GHz [Option 1]

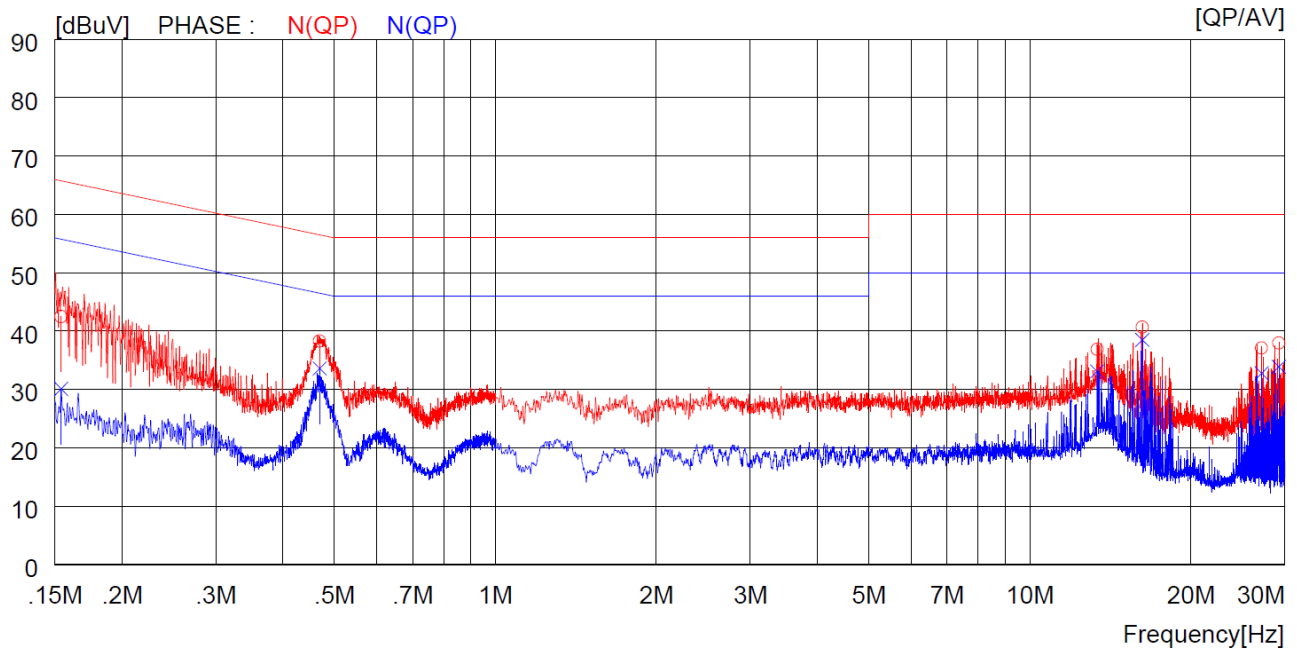
- Resolution bandwidth : 9 kHz
- Frequency range : 0.15 MHz ~ 30 MHz
- Antenna 0, Antenna 1 and Multiple transmit tested, but the worst data were recorded.

- Tested Line : HOT LINE



NO	FREQ	READING	C.FACTOR	RESULT	LIMIT	MARGIN	PHASE
	QP	AV	QP	AV	QP	AV	
	[MHz]	[dBuV][dBuV]	[dB]	[dBuV][dBuV]	[dBuV][dBuV]	[dBuV][dBuV]	
1	0.16100	33.3	---	10.1	43.4	---	H(QP)
2	0.47600	27.0	---	10.1	37.1	---	H(QP)
3	13.42000	29.1	---	10.8	39.9	---	H(QP)
4	16.23000	32.1	---	10.9	43.0	---	H(QP)
5	26.61000	27.8	---	11.5	39.3	---	H(QP)
6	27.16000	27.6	---	11.5	39.1	---	H(QP)
7	0.16100	---	22.6	10.1	---	32.7	H(CAV)
8	0.47600	---	22.8	10.1	---	32.9	H(CAV)
9	13.42000	---	24.6	10.8	---	35.4	H(CAV)
10	16.23000	---	30.9	10.9	---	41.8	H(CAV)
11	26.61000	---	24.5	11.5	---	36.0	H(CAV)
12	27.16000	---	24.6	11.5	---	36.1	H(CAV)

-. Tested Line : NEUTRAL LINE



NO	FREQ		READING		C.FACTOR		RESULT		LIMIT		MARGIN		PHASE
	QP	AV	QP	AV	QP	AV	QP	AV	QP	AV	QP	AV	
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]			
1	0.15400	32.4	----	10.1	42.5	----	65.8	----	23.3	----	N(QP)		
2	0.46900	28.2	----	10.1	38.3	----	56.5	----	18.2	----	N(QP)		
3	13.36000	26.1	----	10.8	36.9	----	60.0	----	23.1	----	N(QP)		
4	16.23000	29.8	----	10.9	40.7	----	60.0	----	19.3	----	N(QP)		
5	27.16000	25.6	----	11.5	37.1	----	60.0	----	22.9	----	N(QP)		
6	29.24000	26.5	----	11.5	38.0	----	60.0	----	22.0	----	N(QP)		
7	0.15400	----	20.0	10.1	----	30.1	----	55.8	----	25.7	N(CAV)		
8	0.46900	----	23.5	10.1	----	33.6	----	46.5	----	12.9	N(CAV)		
9	13.36000	----	22.3	10.8	----	33.1	----	50.0	----	16.9	N(CAV)		
10	16.23000	----	27.6	10.9	----	38.5	----	50.0	----	11.5	N(CAV)		
11	27.16000	----	21.3	11.5	----	32.8	----	50.0	----	17.2	N(CAV)		
12	29.24000	----	22.4	11.5	----	33.9	----	50.0	----	16.1	N(CAV)		

Remark: Margin (dB) = Limit – Level (Result)

The emission level in above table is included the transducer factor that means insertion loss (LISN), cable loss and attenuator.

17. DYNAMIC FREQUENCY SELECTION (DFS)

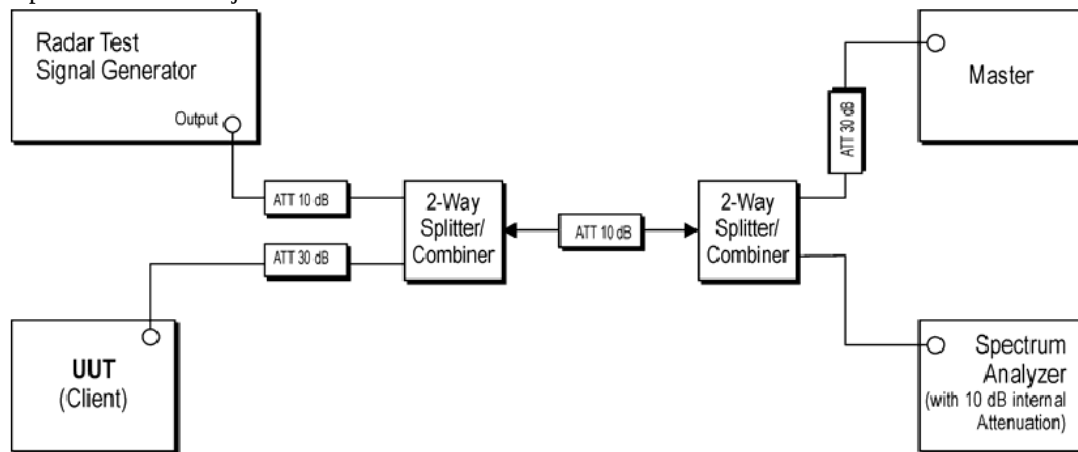
17.1 Operating environment

Temperature : 22 °C
Relative humidity : 41 % R.H.

17.2 Test set-ups

The FCC 06-96 and RSS-210 A9.3 describes a conducted test setup. A conducted test setup was used for this testing. Figure 1 shows the typical test setup. Each one channel selected between 5 250 MHz and 5 350 MHz, 5 470 MHz and 5 725 MHz is chosen for the testing.

Figure 1. Setup for Client with injection at the Master



The operational behavior and individual DFS requirements that are associated with these modes are as follows:

<Master Devices>

- The Master Device will use DFS in order to detect Radar Waveforms with received signal strength above the DFS Detection Threshold in the 5 250 – 5 350 MHz and 5 470 – 5 725 MHz bands. DFS is not required in the 5 150 – 5 250 MHz or 5 725 – 5 825 MHz bands.
- Before initiating a network on a Channel, the Master Device will perform a Channel Availability Check for a specified time duration (Channel Availability Check Time) to ensure that there is no radar system operating on the Channel, using DFS described under subsection a) above.
- The Master Device initiates a U-NII network by transmitting control signals that will enable other U-NII devices to Associate with the Master Device.
- During normal operation, the Master Device will monitor the Channel (In-Service Monitoring) to ensure that there is no radar system operating on the Channel, using DFS described under a).
- If the Master Device has detected a Radar Waveform during In-Service Monitoring as described under d), the Operating Channel of the U-NII network is no longer an Available Channel. The Master Device will instruct all associated Client Device(s) to stop transmitting on this Channel within the Channel Move Time. The transmissions during the Channel Move Time will be limited to the Channel Closing Transmission Time.

f) Once the Master Device has detected a Radar Waveform it will not utilize the Channel for the duration of the Non-Occupancy Period. 3

g) If the Master Device delegates the In-Service Monitoring to a Client Device, then the combination will be tested to the requirements described under d) through f) above.

<Client Devices>

a) A Client Device will not transmit before having received appropriate control signals from a Master Device.

b) A Client Device will stop all its transmissions whenever instructed by a Master Device to which it is associated and will meet the Channel Move Time and Channel Closing Transmission Time requirements. The Client Device will not resume any transmissions until it has again received control signals from a Master Device.

c) If a Client Device is performing In-Service Monitoring and detects a Radar Waveform above the DFS Detection Threshold, it will inform the Master Device. This is equivalent to the Master Device detecting the Radar Waveform and d) through f) of section 5.1.1 apply.

d) Irrespective of Client Device or Master Device detection the Channel Move Time and Channel Closing Transmission Time requirements remain the same.

e) The client test frequency must be monitored to ensure no transmission of any type has occurred for 30 minutes. Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear.

<Channel Connection Information>

a) Master Devices : GT-AXE11000

b) Client(=EUT) Devices : WCD730M

c) Connect to test channel : See next page for measurement data.

17.3 DFS Test Signals

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	Roundup $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Table 6 – Long Pulse Radar Test Waveform

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

17.4 Technical Requirement Specification

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	Master	Client (without DFS)	Client (with DFS)
<i>Non-Occupancy Period</i>	Yes	Not required	Yes
<i>DFS Detection Threshold</i>	Yes	Not required	Yes
<i>Channel Availability Check Time</i>	Yes	Not required	Not required
<i>Uniform Spreading</i>	Yes	Not required	Not required
<i>U-NII Detection Bandwidth</i>	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode		
	Master	Client (without DFS)	Client (with DFS)
<i>DFS Detection Threshold</i>	Yes	Not required	Yes
<i>Channel Closing Transmission Time</i>	Yes	Yes	Yes
<i>Channel Move Time</i>	Yes	Yes	Yes
<i>U-NII Detection Bandwidth</i>	Yes	Not required	Yes

17.5 Test Date

May 07, 2025 ~ June 05, 2025

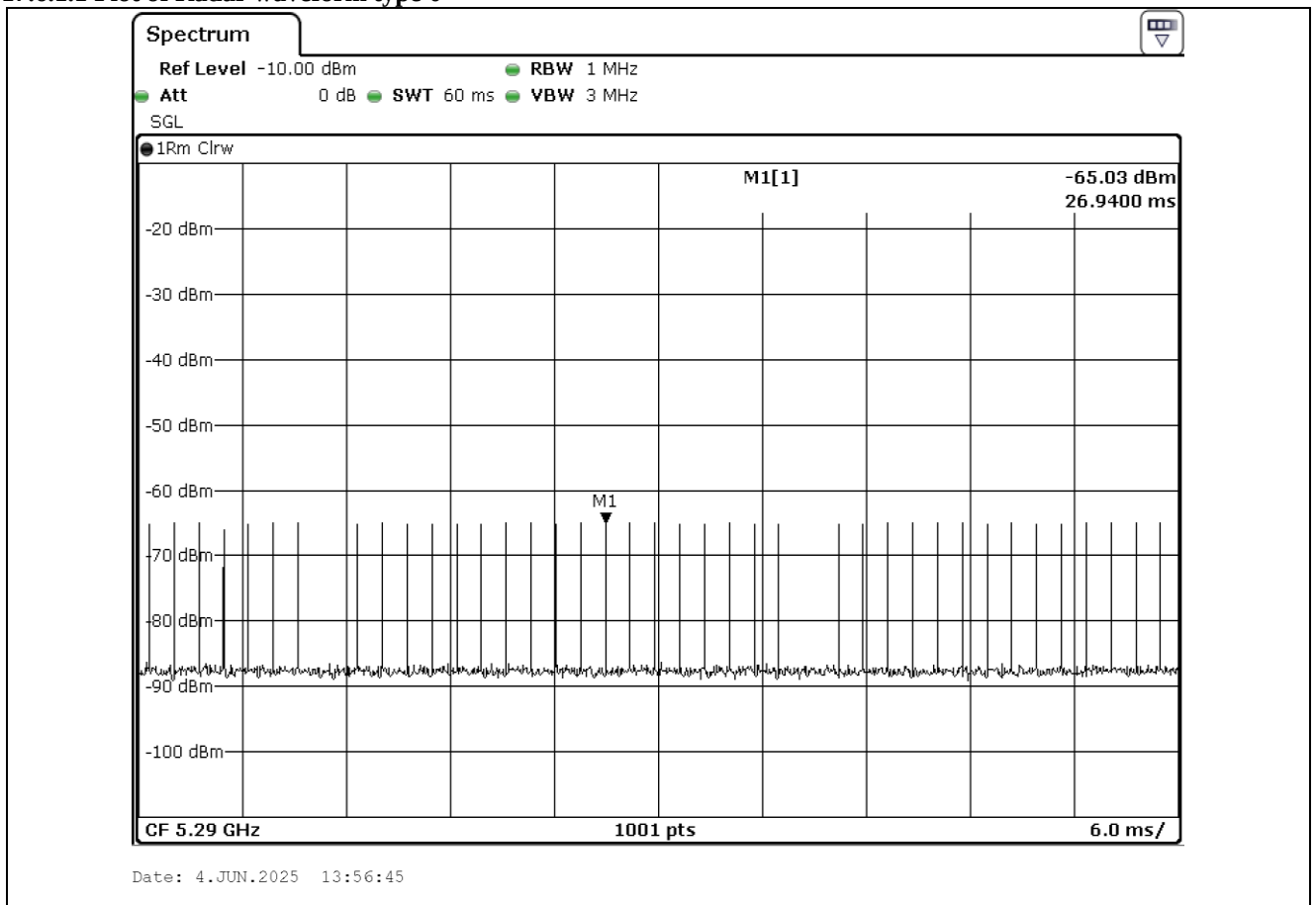
17.6 Test data

Band	Frequency (MHz)	Channel move time(s)		Channel closing transmission time(ms)	
		Measured	Limit	Measured	Limit
UNII 2A	5 290	0.8	10	1.6	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.
UNII 2C	5 530	0.74		1.4	

Note. Channel closing transmission time: $9 * 0.2 \text{ ms} = 1.8 \text{ ms}$ / $12 * 0.2 \text{ ms} = 2.4 \text{ ms}$

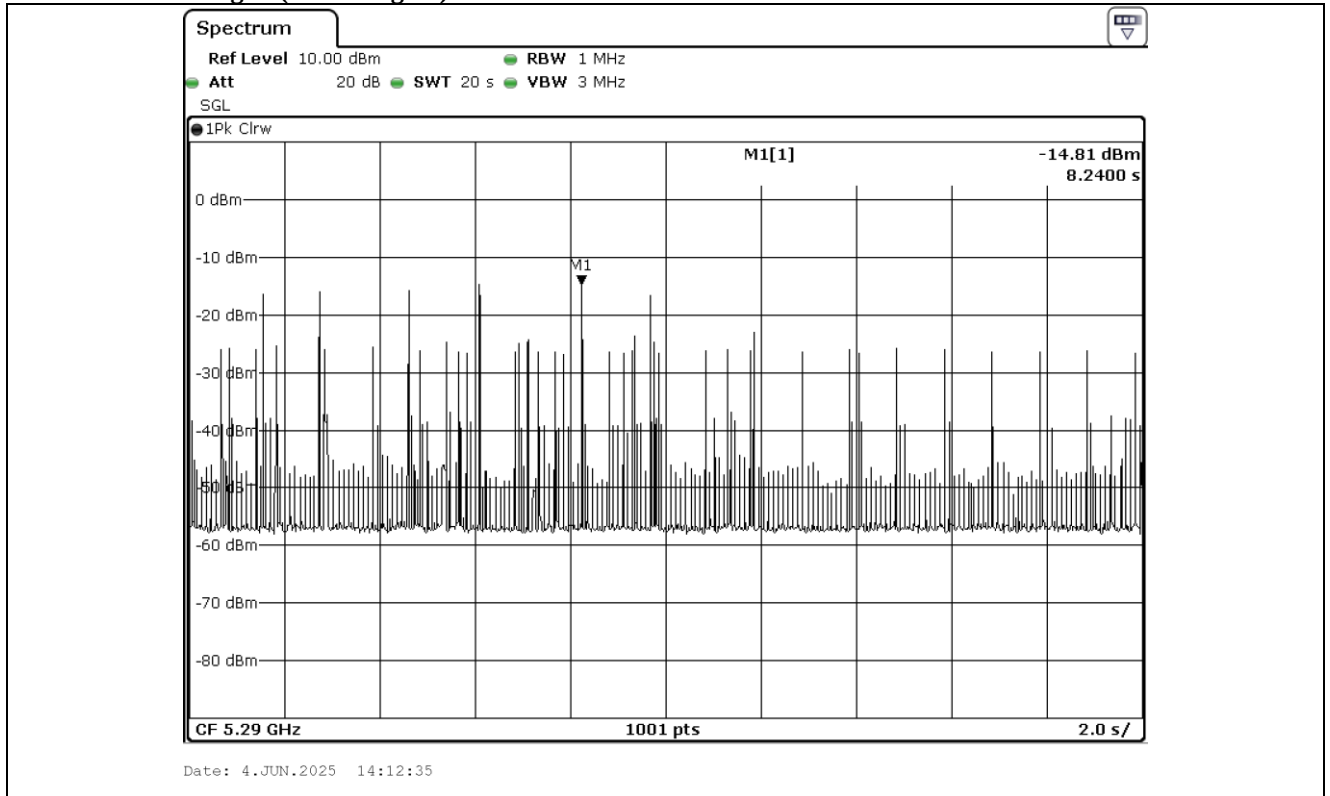
17.6.1 UNII 2A

17.6.1.1 Plot of Radar waveform type 0

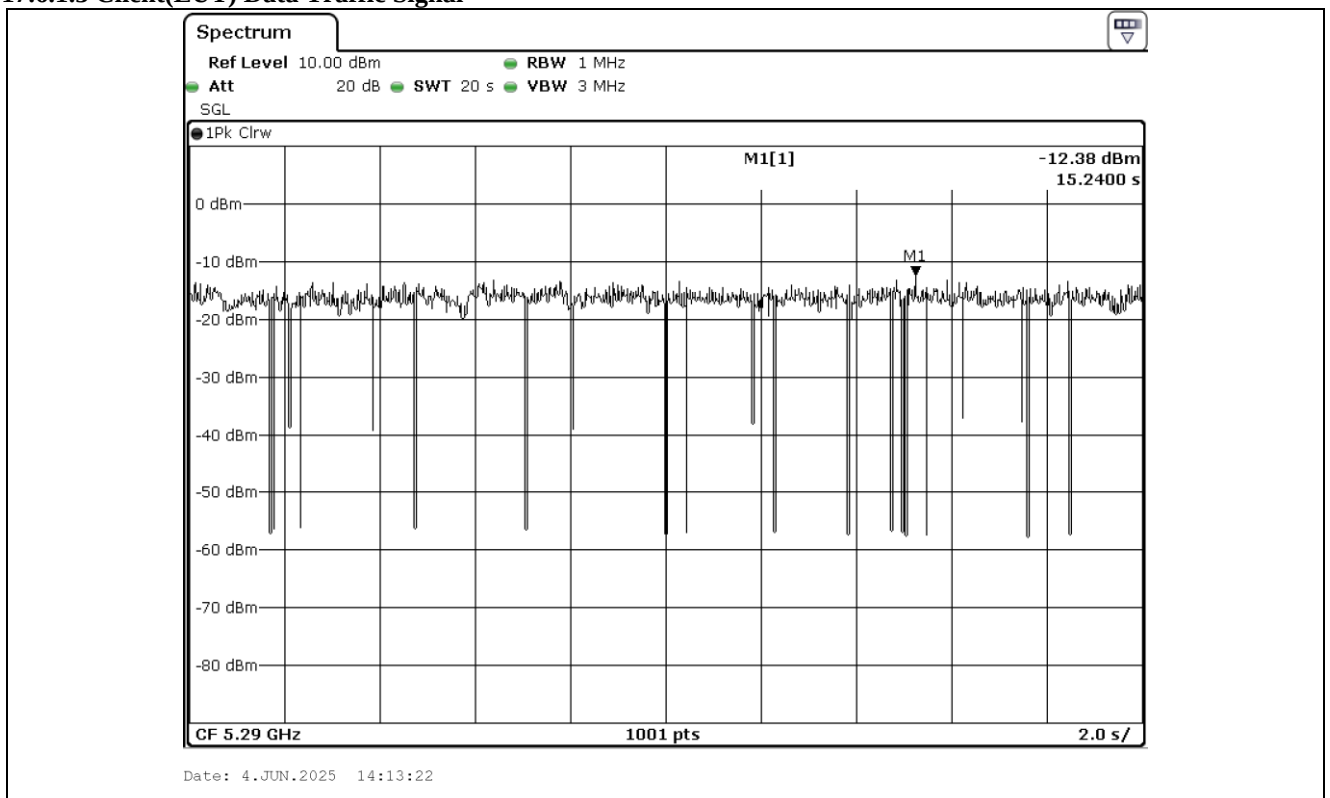


Note: The calibrated conducted DFS detection threshold level is set to -65.27 dBm ($-62+1+1.43= -59.57 \text{ dBm}$)

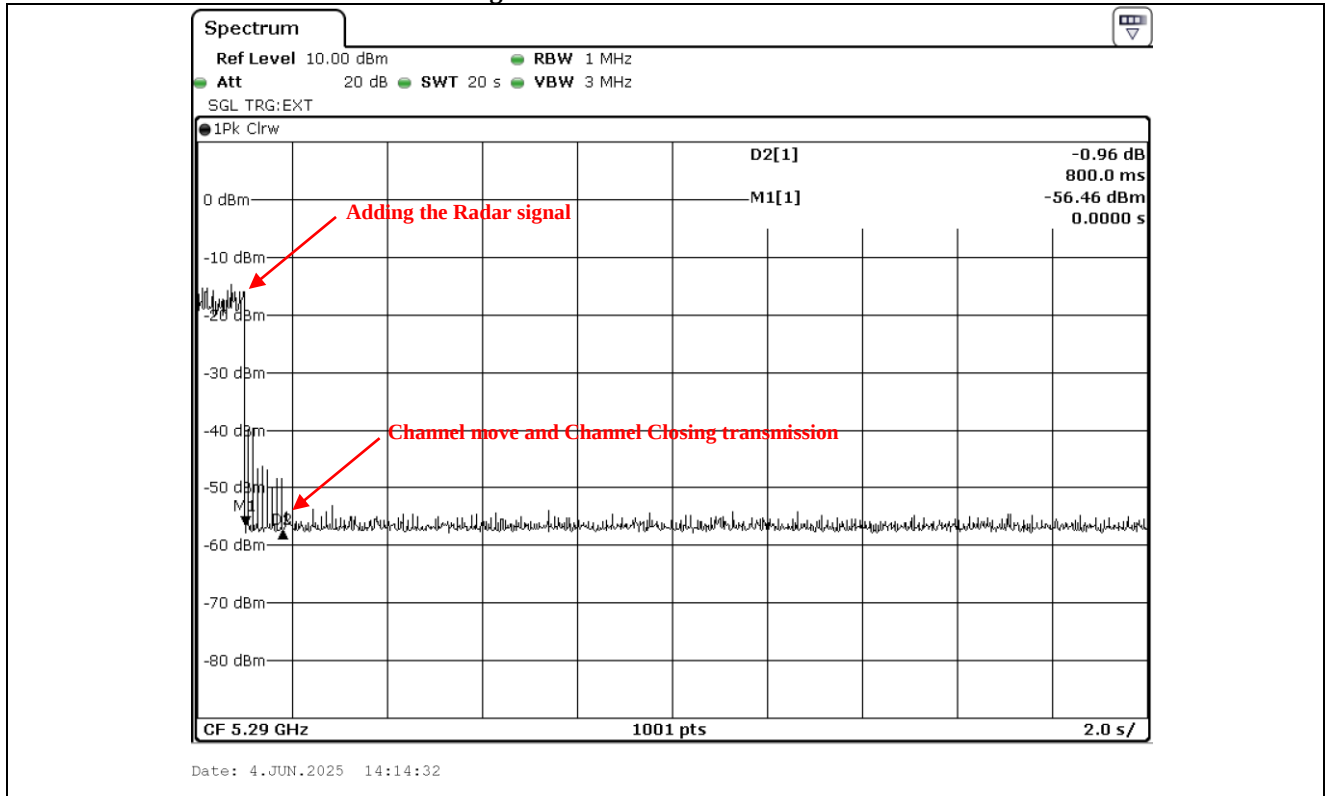
17.6.1.2 No traffic signal(master signal)



17.6.1.3 Client(EUT) Data Traffic Signal

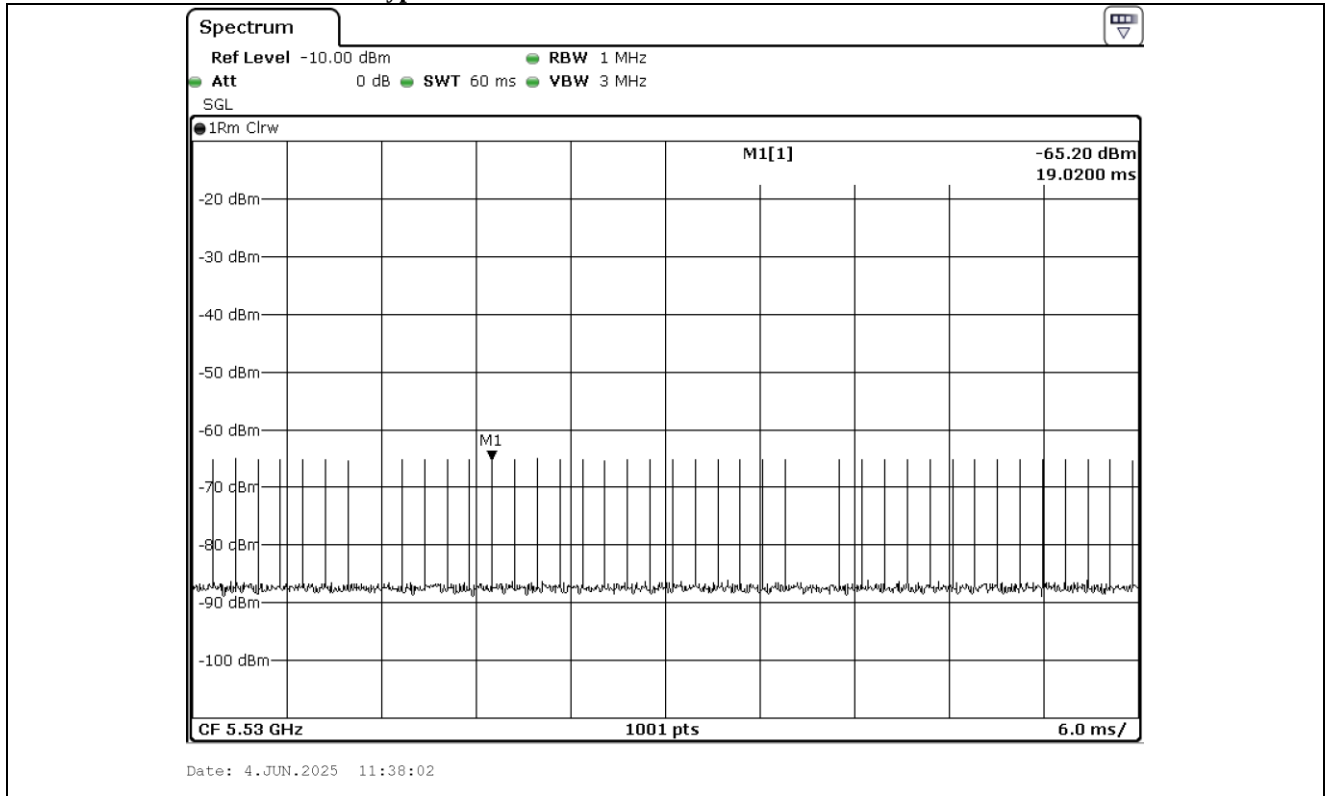


17.6.1.4 Channel move and Channel Closing transmission time



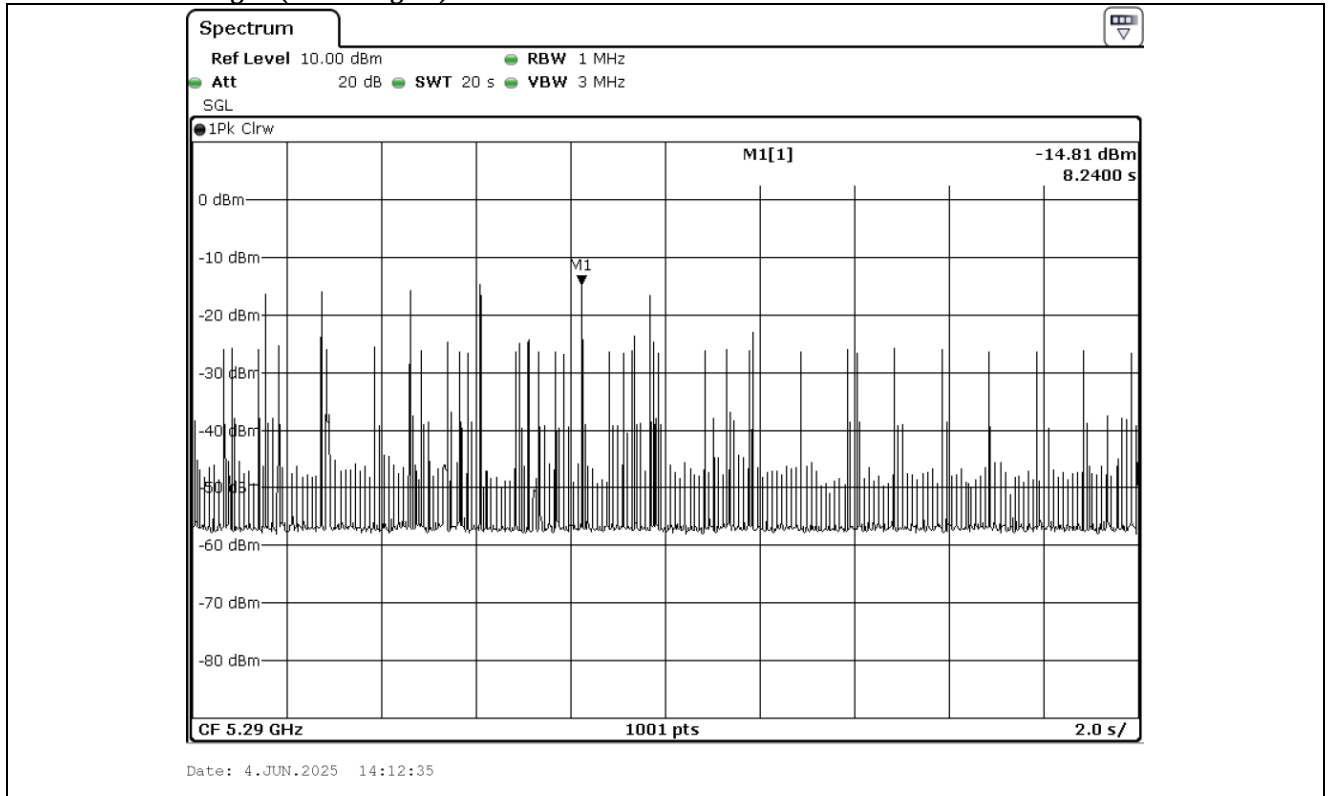
17.6.2 UNII 2C

17.6.2.1 Plot of Radar waveform type 0

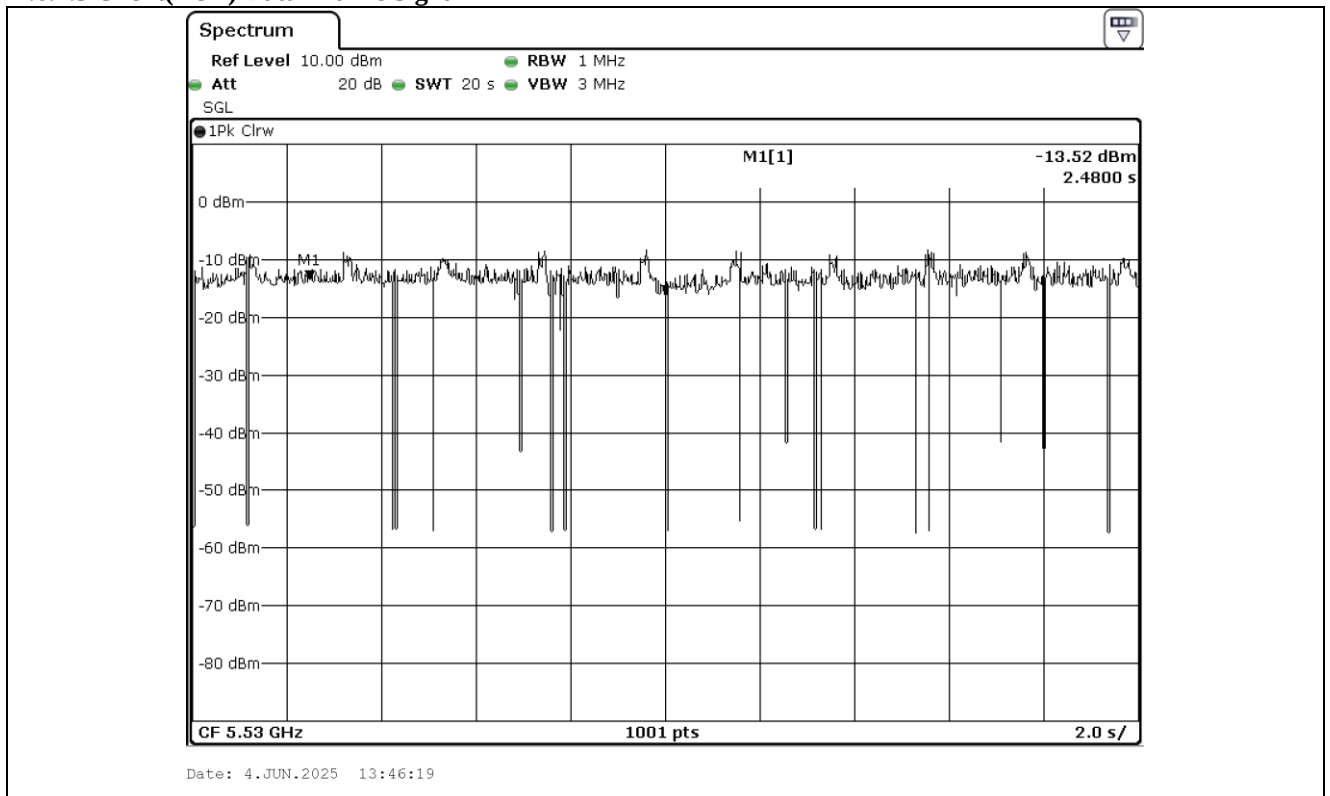


Note: The calibrated conducted DFS detection threshold level is set to -65.32 dBm ($-62+1+1.43= -59.57$ dBm)

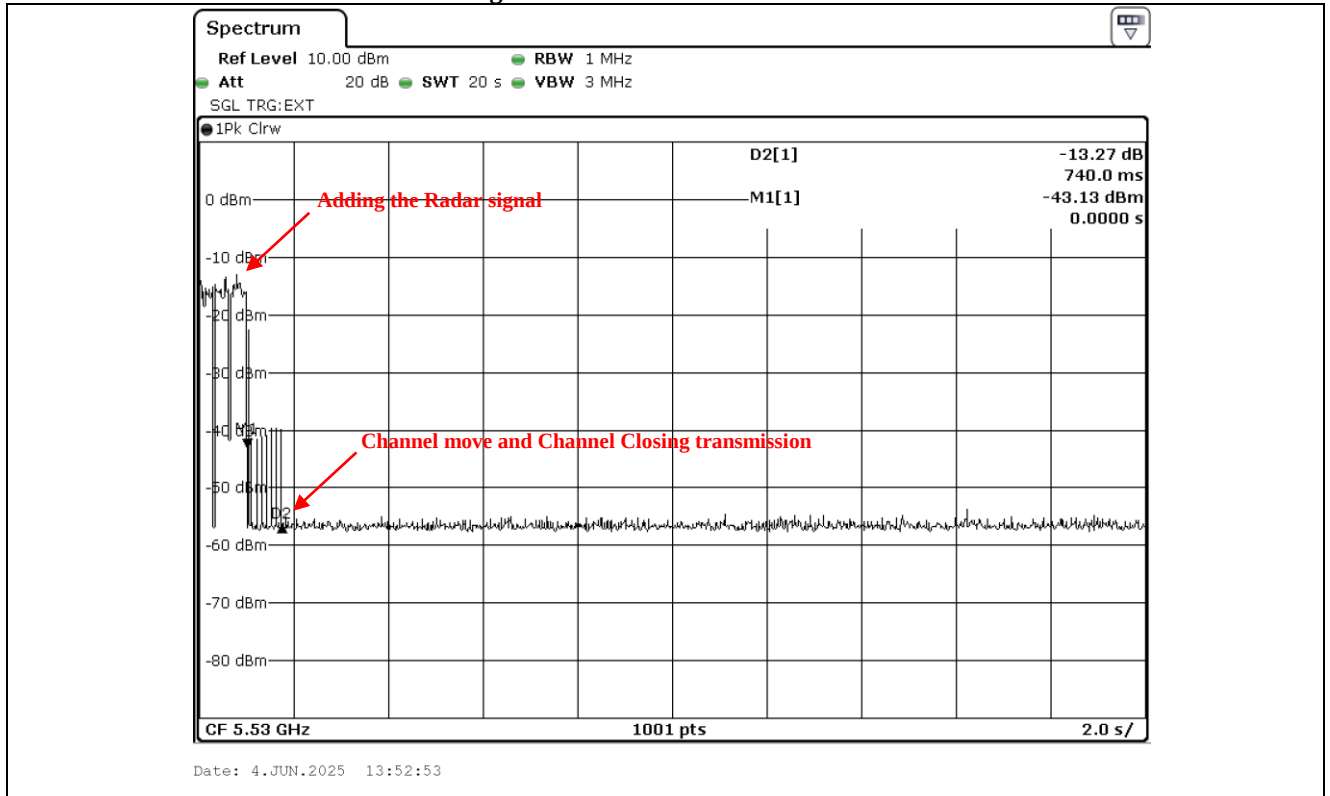
17.6.2.2 No traffic signal(master signal)



17.6.2.3 Client(EUT) Data Traffic Signal



17.6.2.4 Channel move and Channel Closing transmission time



18. LIST OF TEST EQUIPMENT

Model Number	Manufacturer	Description	Serial Number	Last Cal.(Interval)
FSVA40	Rohde & Schwarz	Signal Analyzer	101598	Jan. 03, 2025 (1Y)
ESU	Rohde & Schwarz	EMI Test Receiver	100261	Mar. 05, 2025 (1Y)
310N	Sonoma Instrument	Pre-Amplifier	392756	Oct. 16, 2024 (1Y)
SCU18	Rohde & Schwarz	Pre-Amplifier	102266	Jul. 04, 2024 (1Y)
SCU40A	Rohde & Schwarz	Pre-Amplifier	100436	Jan. 15, 2025 (1Y)
DT2000-2t	Innco System	Turn Table	N/A	N/A
MA-4640-XPET	Innco System	Antenna Master	MA4640/652/43100318/P	N/A
CO3000	Innco System	Controller	1026/40960617/P	N/A
FMZB 1519-60D	Schwarzbeck	Loop Antenna	00113	Jan. 07, 2025 (2Y)
HLP-2008	TDK	Hybrid Antenna	131316	Mar. 09, 2024 (2Y)
BBHA9120D	Schwarzbeck	Horn Antenna	9120D-1366	Jun. 17, 2024 (1Y)
BBHA9170	Schwarzbeck	Horn Antenna	BBHA9170178	Jan. 04, 2025 (1Y)
F-40-10.0-RF	RLC Electronis	High Pass Filter	0427	Jan. 13, 2025 (1Y)
QFA1802-26-6-S	Qualwave	6dB Attenuator	225335	Jan. 14, 2025 (1Y)
QPD2-0-26500-2-S	Qualwave	Divider	22175074	Jan. 14, 2025 (1Y)
QPD2-0-26500-2-S	Qualwave	Divider	22175075	Jan. 14, 2025 (1Y)
8494B	Agilent	Step Attenuator (11 dB)	MY42143102	Jan. 14, 2025 (1Y)
8495B	Agilent	Step Attenuator (70 dB)	MY42141151	Jan. 14, 2025 (1Y)
E3632A	Agilent	DC POWER SUPPLY	MY50370016	Jan. 13, 2025 (1Y)
SSE-43CI-A	Samkun Tech	Environmental Test chamber	60712	Jan. 13, 2025 (1Y)
NRP-Z91	Rohde & Schwarz	Wideband Power Sensor	103780	Jul. 04, 2024 (1Y)
NRP-Z81	Rohde & Schwarz	Wideband Power Sensor	104811	Jan. 15, 2025 (1Y)
ESCI	Rohde & Schwarz	EMI TEST RECEIVER	101012	Sep. 26, 2024 (1Y)
NSLK8128	Schwarzbeck	AMN	8128216	Mar. 12, 2025 (1Y)
ESH3-Z2	Rohde & Schwarz	PULSE LIMITER	100655	Mar. 12, 2025 (1Y)
SMBV100A	Rohde & Schwarz	VECTOR SIGNAL GENERATOR	260423	Jan. 14, 2025 (1Y)
GT-AXE11000	ASUS	ROG RAPTURE Router	N/A	N/A

Note. ROG RAPTURE Router(Model : GT-AXE11000) Information.

; FCC ID : MSQ-RTAXJF00, IC: 3568A-RTAXJF00

Note. This Device not support TPC Function.

All test equipment used is calibrated on a regular basis.