

13.5 Test data for 30 MHz ~ 1 000 MHz

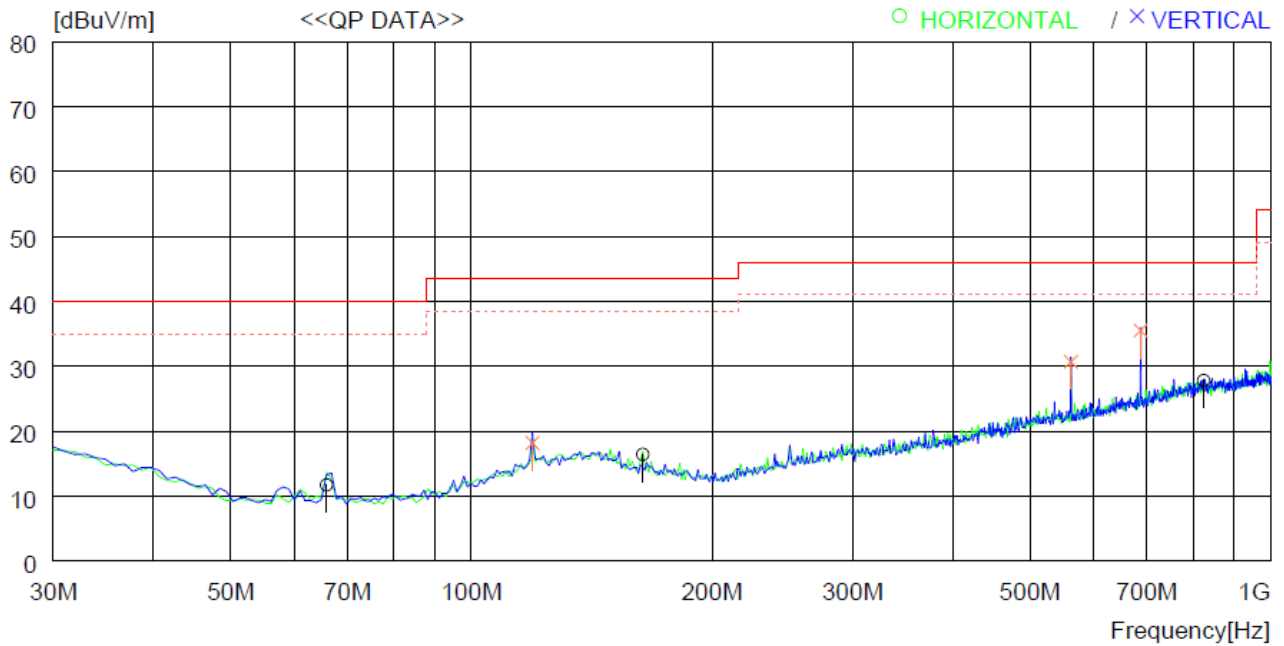
13.5.1 Test data for WLAN 5 GHz AX Mode

Limits apply to : FCC CFR 47, PART 15, SUBPART C, SECTION 15.247

Result : PASSED

EUT : RF Module

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz)



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	65.890	29.6	12.6	1.5	32.0	11.7	40.0	28.3	100	359
2	163.860	28.6	17.6	2.3	32.1	16.4	43.5	27.1	200	0
3	824.421	27.8	27.2	5.0	32.2	27.8	46.0	18.2	100	265
----- Vertical -----										
4	119.240	29.8	18.5	2.0	32.1	18.2	43.5	25.3	200	119
5	562.529	35.2	23.8	4.1	32.4	30.7	46.0	15.3	100	359
6	687.655	37.9	25.4	4.6	32.4	35.5	46.0	10.5	100	150

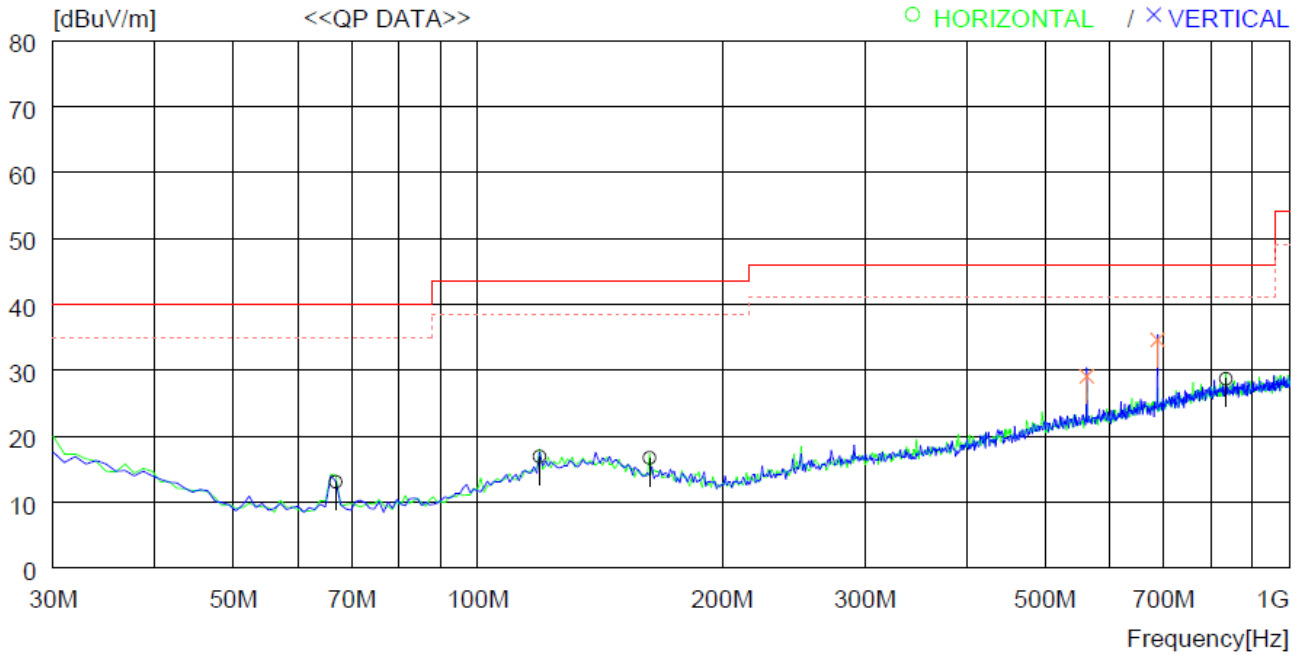
13.5.2 Test data for Intermodulation Mode(WLAN 5 GHz AX Mode + Bluetooth)

Limits apply to : FCC CFR 47, PART 15, SUBPART C, SECTION 15.247

Result : PASSED

EUT : RF Module

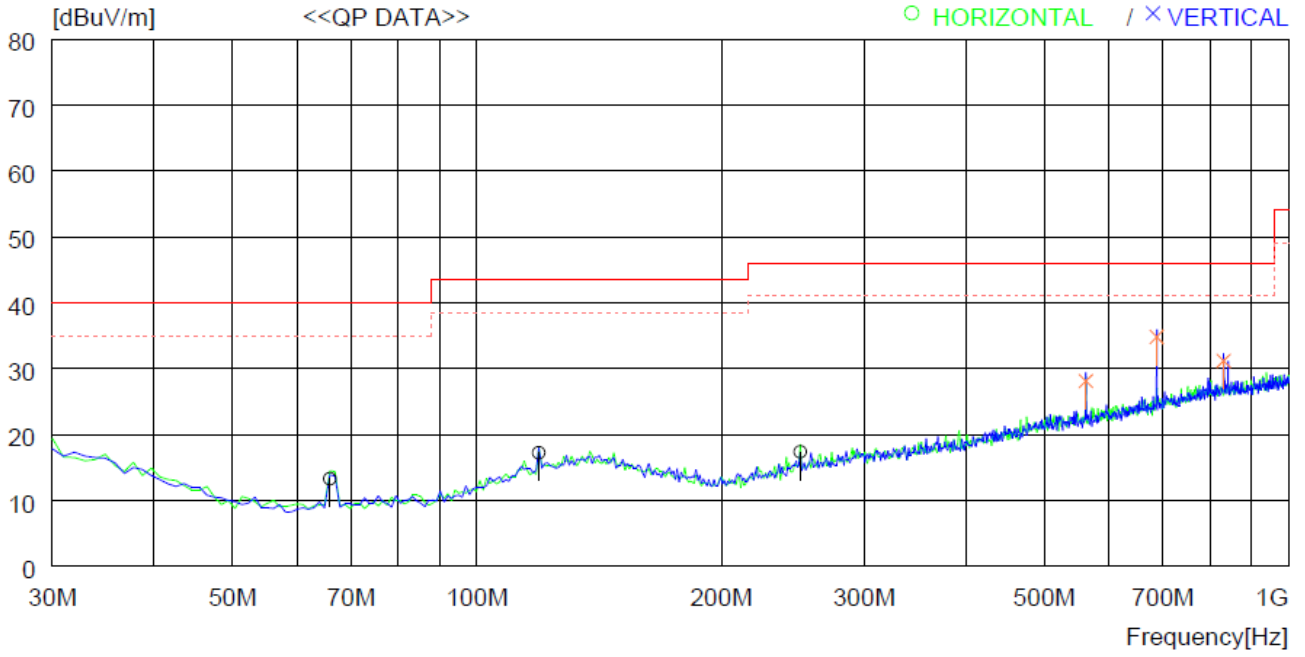
Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz)



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	66.860	30.9	12.6	1.6	32.0	13.1	40.0	26.9	100	174
2	119.240	28.5	18.5	2.0	32.1	16.9	43.5	26.6	200	0
3	162.890	28.8	17.7	2.3	32.1	16.7	43.5	26.8	100	350
4	835.091	28.6	27.2	5.1	32.2	28.7	46.0	17.3	100	359
----- Vertical -----										
5	562.529	33.6	23.8	4.1	32.4	29.1	46.0	16.9	100	359
6	687.655	37.0	25.4	4.6	32.4	34.6	46.0	11.4	100	191

13.5.3 Test data for Intermodulation Mode(WLAN 5 GHz AX Mode + Bluetooth LE)

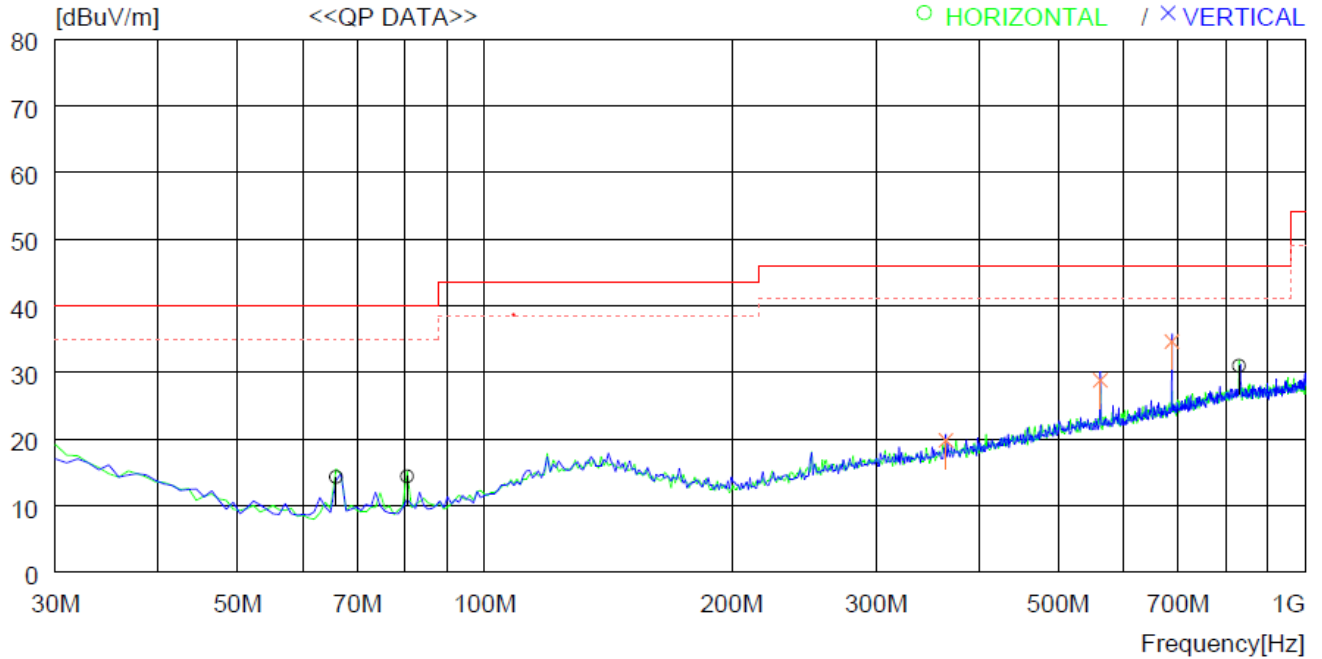
- Resolution bandwidth : 120 kHz
- Frequency range : 30 MHz ~ 1 000 MHz
- Measurement distance : 3 m



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	65.890	31.2	12.6	1.5	32.0	13.3	40.0	26.7	100	359
2	119.240	28.8	18.5	2.0	32.1	17.2	43.5	26.3	200	0
3	250.190	29.0	17.8	2.8	32.2	17.4	46.0	28.6	200	0
----- Vertical -----										
4	562.529	32.6	23.8	4.1	32.4	28.1	46.0	17.9	100	359
5	687.655	37.2	25.4	4.6	32.4	34.8	46.0	11.2	100	184
6	831.211	31.1	27.2	5.1	32.2	31.2	46.0	14.8	200	256

13.5.4 Test data for Intermodulation Mode(WLAN 5 GHz AX Mode + WLAN 2 GHz AX Mode)

- Resolution bandwidth : 120 kHz
- Frequency range : 30 MHz ~ 1 000 MHz
- Measurement distance : 3 m



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	65.890	32.2	12.6	1.5	32.0	14.3	40.0	25.7	100	359
2	80.440	31.8	12.9	1.7	32.0	14.4	40.0	25.6	100	359
3	830.241	30.9	27.2	5.1	32.2	31.0	46.0	15.0	200	314
----- Vertical -----										
4	364.650	28.5	20.2	3.3	32.2	19.8	46.0	26.2	100	264
5	562.529	33.3	23.8	4.1	32.4	28.8	46.0	17.2	100	359
6	687.655	37.0	25.4	4.6	32.4	34.6	46.0	11.4	100	359

13.6 Test data for Above 1 GHz

13.6.1 Test data for UNII-1

13.6.1.1 Test data for 802.11 ax(HE20) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	36	4
	44	4
	48	4

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 360.00	55.21	Peak	H	39.20	11.31	-	46.00	59.72	68.20	8.48
	10 360.00	56.41	Peak	V	39.20	11.31	-	46.00	60.92	68.20	7.28
Middle ch. Harmonic	10 440.00	55.89	Peak	H	39.30	11.35	-	46.00	60.54	68.20	7.66
	10 440.00	55.23	Peak	V	39.30	11.35	-	46.00	59.88	68.20	8.32
High ch. Harmonic	10 480.00	55.50	Peak	H	39.40	11.36	-	46.00	60.26	68.20	7.94
	10 480.00	55.24	Peak	V	39.40	11.36	-	46.00	60.00	68.20	8.20

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	36	38
	44	38
	48	38

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 360.00	55.48	Peak	H	39.20	11.31	-	46.00	59.99	68.20	8.21
	10 360.00	55.61	Peak	V	39.20	11.31	-	46.00	60.12	68.20	8.08
Middle ch. Harmonic	10 440.00	55.29	Peak	H	39.30	11.35	-	46.00	59.94	68.20	8.26
	10 440.00	55.33	Peak	V	39.30	11.35	-	46.00	59.98	68.20	8.22
High ch. Harmonic	10 480.00	55.51	Peak	H	39.40	11.36	-	46.00	60.27	68.20	7.93
	10 480.00	55.53	Peak	V	39.40	11.36	-	46.00	60.29	68.20	7.91

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	36	53
	44	53
	48	53

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 360.00	55.44	Peak	H	39.20	11.31	-	46.00	59.95	68.20	8.25
	10 360.00	55.51	Peak	V	39.20	11.31	-	46.00	60.02	68.20	8.18
Middle ch. Harmonic	10 440.00	55.56	Peak	H	39.30	11.35	-	46.00	60.21	68.20	7.99
	10 440.00	55.38	Peak	V	39.30	11.35	-	46.00	60.03	68.20	8.17
High ch. Harmonic	10 480.00	55.41	Peak	H	39.40	11.36	-	46.00	60.17	68.20	8.03
	10 480.00	55.57	Peak	V	39.40	11.36	-	46.00	60.33	68.20	7.87

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	36	61
	44	61
	48	61

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 360.00	55.41	Peak	H	39.20	11.31	-	46.00	59.92	68.20	8.28
	10 360.00	55.36	Peak	V	39.20	11.31	-	46.00	59.87	68.20	8.33
Middle ch. Harmonic	10 440.00	55.19	Peak	H	39.30	11.35	-	46.00	59.84	68.20	8.36
	10 440.00	55.43	Peak	V	39.30	11.35	-	46.00	60.08	68.20	8.12
High ch. Harmonic	10 480.00	55.62	Peak	H	39.40	11.36	-	46.00	60.38	68.20	7.82
	10 480.00	55.48	Peak	V	39.40	11.36	-	46.00	60.24	68.20	7.96

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	36	-
	44	-
	48	-

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 360.00	59.36	Peak	H	39.20	11.31	-	46.00	63.87	68.20	4.33
	10 360.00	57.51	Peak	V	39.20	11.31	-	46.00	62.02	68.20	6.18
Middle ch. Harmonic	10 440.00	59.63	Peak	H	39.30	11.35	-	46.00	64.28	68.20	3.92
	10 440.00	56.02	Peak	V	39.30	11.35	-	46.00	60.67	68.20	7.53
High ch. Harmonic	10 480.00	60.14	Peak	H	39.40	11.36	-	46.00	64.90	68.20	3.30
	10 480.00	56.12	Peak	V	39.40	11.36	-	46.00	60.88	68.20	7.32

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

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

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

13.6.1.2 Test data for 802.11 ax(HE40) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	38	8
	46	8

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 380.00	52.68	Peak	H	39.20	11.31	-	46.00	57.19	68.20	11.01
	10 380.00	52.33	Peak	V	39.20	11.31	-	46.00	56.84	68.20	11.36
High ch. Harmonic	10 460.00	52.51	Peak	H	39.40	11.36	-	46.00	57.27	68.20	10.93
	10 460.00	52.16	Peak	V	39.40	11.36	-	46.00	56.92	68.20	11.28

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	38	40
	46	40

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 380.00	52.13	Peak	H	39.20	11.31	-	46.00	56.64	68.20	11.56
	10 380.00	52.22	Peak	V	39.20	11.31	-	46.00	56.73	68.20	11.47
High ch. Harmonic	10 460.00	52.65	Peak	H	39.40	11.36	-	46.00	57.41	68.20	10.79
	10 460.00	52.18	Peak	V	39.40	11.36	-	46.00	56.94	68.20	11.26

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	38	54
	46	54

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 380.00	52.61	Peak	H	39.20	11.31	-	46.00	57.12	68.20	11.08
	10 380.00	52.63	Peak	V	39.20	11.31	-	46.00	57.14	68.20	11.06
High ch. Harmonic	10 460.00	52.11	Peak	H	39.40	11.36	-	46.00	56.87	68.20	11.33
	10 460.00	52.08	Peak	V	39.40	11.36	-	46.00	56.84	68.20	11.36

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	38	61
	46	61

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 380.00	55.18	Peak	H	39.20	11.31	-	46.00	59.69	68.20	8.51
	10 380.00	54.66	Peak	V	39.20	11.31	-	46.00	59.17	68.20	9.03
High ch. Harmonic	10 460.00	55.69	Peak	H	39.40	11.36	-	46.00	60.45	68.20	7.75
	10 460.00	54.81	Peak	V	39.40	11.36	-	46.00	59.57	68.20	8.63

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

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

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

-. 484 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
484	38	65
	46	65

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 380.00	52.88	Peak	H	39.20	11.31	-	46.00	57.39	68.20	10.81
	10 380.00	51.96	Peak	V	39.20	11.31	-	46.00	56.47	68.20	11.73
High ch. Harmonic	10 460.00	52.38	Peak	H	39.40	11.36	-	46.00	57.14	68.20	11.06
	10 460.00	51.96	Peak	V	39.40	11.36	-	46.00	56.72	68.20	11.48

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	38	-
	46	-

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 380.00	56.10	Peak	H	39.20	11.31	-	46.00	60.61	68.20	7.59
	10 380.00	56.68	Peak	V	39.20	11.31	-	46.00	61.19	68.20	7.01
High ch. Harmonic	10 460.00	56.36	Peak	H	39.40	11.36	-	46.00	61.12	68.20	7.08
	10 460.00	55.77	Peak	V	39.40	11.36	-	46.00	60.53	68.20	7.67

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

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

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

13.6.1.3 Test data for 802.11 ax(HE80) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : > 98 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	42	18

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 440.00	51.84	Peak	H	39.30	11.35	-	46.00	56.49	68.20	11.71
	10 440.00	52.32	Peak	V	39.30	11.35	-	46.00	56.97	68.20	11.23

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	42	44

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 440.00	52.04	Peak	H	39.30	11.35	-	46.00	56.69	68.20	11.51
	10 440.00	52.19	Peak	V	39.30	11.35	-	46.00	56.84	68.20	11.36

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

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

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

-. 106 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
106	42	56

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 440.00	52.73	Peak	H	39.30	11.35	-	46.00	57.38	68.20	10.82
	10 440.00	51.63	Peak	V	39.30	11.35	-	46.00	56.28	68.20	11.92

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	42	62

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 440.00	54.34	Peak	H	39.30	11.35	-	46.00	58.99	68.20	9.21
	10 440.00	51.85	Peak	V	39.30	11.35	-	46.00	56.50	68.20	11.70

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

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

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

-. 484 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
484	42	65

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 440.00	54.35	Peak	H	39.30	11.35	-	46.00	59.00	68.20	9.20
	10 440.00	52.33	Peak	V	39.30	11.35	-	46.00	56.98	68.20	11.22

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

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

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

-. 996 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
996	42	67

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 440.00	51.70	Peak	H	39.30	11.35	-	46.00	56.35	68.20	11.85
	10 440.00	51.08	Peak	V	39.30	11.35	-	46.00	55.73	68.20	12.47

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : > 98 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	42	-

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 440.00	57.32	Peak	H	39.30	11.35	-	46.00	61.97	68.20	6.23
	10 440.00	55.78	Peak	V	39.30	11.35	-	46.00	60.43	68.20	7.77

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

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

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

Spurious emission (Test Data above 1 GHz except for harmonic)

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Duty Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
It was not observed any emissions from the EUT.											

13.6.2 Test data for UNII-2A

13.6.2.1 Test data for 802.11 ax(HE20) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.53 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	52	4
	60	4
	64	4

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 520.00	52.33	Peak	H	39.40	11.30	-	46.05	56.98	68.20	11.22
	10 520.00	52.41	Peak	V	39.40	11.30	-	46.05	57.06	68.20	11.14
Middle ch. Harmonic	10 600.00	51.85	Peak	H	39.40	11.41	-	46.05	56.61	74.00	17.39
	10 600.00	40.65	Average	H	39.40	11.41	0.58	46.05	45.99	54.00	8.01
	10 600.00	51.67	Peak	V	39.40	11.41	-	46.05	56.43	74.00	17.57
High ch. Harmonic	10 600.00	40.66	Average	V	39.40	11.41	0.58	46.05	46.00	54.00	8.00
	10 640.00	51.82	Peak	H	39.40	11.43	-	46.05	56.60	74.00	17.40
	10 640.00	40.83	Average	H	39.40	11.43	0.58	46.05	46.19	54.00	7.81
	10 640.00	51.63	Peak	V	39.40	11.43	-	46.05	56.99	74.00	17.01
	10 640.00	40.79	Average	V	39.40	11.43	0.58	46.05	45.57	54.00	8.43

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

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

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

- . 52 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.53 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
52	52	38
	60	38
	64	38

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 520.00	52.68	Peak	H	39.40	11.30	-	46.05	57.33	68.20	10.87
	10 520.00	52.66	Peak	V	39.40	11.30	-	46.05	57.31	68.20	10.89
Middle ch. Harmonic	10 600.00	52.31	Peak	H	39.40	11.41	-	46.05	57.07	74.00	16.93
	10 600.00	41.66	Average	H	39.40	11.41	0.58	46.05	47.00	54.00	7.00
	10 600.00	52.16	Peak	V	39.40	11.41	-	46.05	56.92	74.00	17.08
High ch. Harmonic	10 640.00	41.34	Average	V	39.40	11.41	0.58	46.05	46.68	54.00	7.32
	10 640.00	52.06	Peak	H	39.40	11.43	-	46.05	56.84	74.00	17.16
	10 640.00	40.79	Average	H	39.40	11.43	0.58	46.05	46.15	54.00	7.85
	10 640.00	52.14	Peak	V	39.40	11.43	-	46.05	57.50	74.00	16.50
	10 640.00	40.83	Average	V	39.40	11.43	0.58	46.05	45.61	54.00	8.39

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.46 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	52	53
	60	53
	64	53

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 520.00	53.68	Peak	H	39.40	11.30	-	46.05	58.33	68.20	9.87
	10 520.00	53.16	Peak	V	39.40	11.30	-	46.05	57.81	68.20	10.39
Middle ch. Harmonic	10 600.00	52.05	Peak	H	39.40	11.41	-	46.05	56.81	74.00	17.19
	10 600.00	41.06	Average	H	39.40	11.41	0.58	46.05	46.40	54.00	7.60
	10 600.00	52.11	Peak	V	39.40	11.41	-	46.05	56.87	74.00	17.13
High ch. Harmonic	10 600.00	41.06	Average	V	39.40	11.41	0.58	46.05	46.40	54.00	7.60
	10 640.00	52.02	Peak	H	39.40	11.43	-	46.05	56.80	74.00	17.20
	10 640.00	40.85	Average	H	39.40	11.43	0.58	46.05	46.21	54.00	7.79
	10 640.00	52.34	Peak	V	39.40	11.43	-	46.05	57.70	74.00	16.30
	10 640.00	40.96	Average	V	39.40	11.43	0.58	46.05	45.74	54.00	8.26

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

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

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

- . 242 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.46 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
242	52	61
	60	61
	64	61

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 520.00	54.19	Peak	H	39.40	11.30	-	46.05	58.84	68.20	9.36
	10 520.00	53.23	Peak	V	39.40	11.30	-	46.05	57.88	68.20	10.32
Middle ch. Harmonic	10 600.00	52.00	Peak	H	39.40	11.41	-	46.05	56.76	74.00	17.24
	10 600.00	41.08	Average	H	39.40	11.41	0.58	46.05	46.42	54.00	7.58
	10 600.00	52.89	Peak	V	39.40	11.41	-	46.05	57.65	74.00	16.35
High ch. Harmonic	10 600.00	41.12	Average	V	39.40	11.41	0.58	46.05	46.46	54.00	7.54
	10 640.00	52.96	Peak	H	39.40	11.43	-	46.05	57.74	74.00	16.26
	10 640.00	40.83	Average	H	39.40	11.43	0.58	46.05	46.19	54.00	7.81
	10 640.00	52.51	Peak	V	39.40	11.43	-	46.05	57.87	74.00	16.13
	10 640.00	40.40	Average	V	39.40	11.43	0.58	46.05	45.18	54.00	8.82

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 98.49 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	52	-
	60	-
	64	-

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	10 520.00	53.15	Peak	H	39.40	11.30	-	46.05	57.80	68.20	10.40
	10 520.00	53.22	Peak	V	39.40	11.30	-	46.05	57.87	68.20	10.33
Middle ch. Harmonic	10 600.00	51.99	Peak	H	39.40	11.41	-	46.05	56.75	74.00	17.25
	10 600.00	41.06	Average	H	39.40	11.41	0.07	46.05	45.89	54.00	8.11
	10 600.00	52.32	Peak	V	39.40	11.41	-	46.05	57.08	74.00	16.92
High ch. Harmonic	10 640.00	41.15	Average	V	39.40	11.41	0.07	46.05	45.98	54.00	8.02
	10 640.00	52.64	Peak	H	39.40	11.43	-	46.05	57.42	74.00	16.58
	10 640.00	40.89	Average	H	39.40	11.43	0.07	46.05	45.74	54.00	8.26
	10 640.00	52.33	Peak	V	39.40	11.43	-	46.05	57.18	74.00	16.82
	10 640.00	40.17	Average	V	39.40	11.43	0.07	46.05	44.95	54.00	9.05

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

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

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

13.6.2.2 Test data for 802.11 ax(HE40) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.39 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	54	8
	62	8

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low CH. Harmonic	10 540.00	51.65	Peak	H	39.40	11.30	-	46.05	56.30	68.20	11.90
	10 540.00	51.48	Peak	V	39.40	11.30	-	46.05	56.13	68.20	12.07
High Ch. Harmonic	10 620.00	51.95	Peak	H	39.40	11.41	-	46.05	56.71	74.00	17.29
	10 620.00	40.36	Average	H	39.40	11.41	0.44	46.05	45.56	54.00	8.44
	10 620.00	52.05	Peak	V	39.40	11.41	-	46.05	56.81	74.00	17.19
	10 620.00	40.33	Average	V	39.40	11.41	0.44	46.05	45.53	54.00	8.47

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 90.39 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	54	40
	62	40

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low CH. Harmonic	10 540.00	51.88	Peak	H	39.40	11.30	-	46.05	56.53	68.20	11.67
	10 540.00	51.79	Peak	V	39.40	11.30	-	46.05	56.44	68.20	11.76
High Ch. Harmonic	10 620.00	51.78	Peak	H	39.40	11.41	-	46.05	56.54	74.00	17.46
	10 620.00	40.22	Average	H	39.40	11.41	0.44	46.05	45.42	54.00	8.58
	10 620.00	51.81	Peak	V	39.40	11.41	-	46.05	56.57	74.00	17.43
	10 620.00	40.34	Average	V	39.40	11.41	0.44	46.05	45.54	54.00	8.46

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.41 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	54	54
	62	54

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low CH. Harmonic	10 540.00	51.95	Peak	H	39.40	11.30	-	46.05	56.60	68.20	11.60
	10 540.00	51.68	Peak	V	39.40	11.30	-	46.05	56.33	68.20	11.87
High Ch. Harmonic	10 620.00	51.77	Peak	H	39.40	11.41	-	46.05	56.53	74.00	17.47
	10 620.00	40.34	Average	H	39.40	11.41	0.44	46.05	45.54	54.00	8.46
	10 620.00	51.67	Peak	V	39.40	11.41	-	46.05	56.43	74.00	17.57
	10 620.00	40.22	Average	V	39.40	11.41	0.44	46.05	45.42	54.00	8.58

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 90.41 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	54	61
	62	61

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low CH. Harmonic	10 540.00	52.04	Peak	H	39.40	11.30	-	46.05	56.69	68.20	11.51
	10 540.00	52.33	Peak	V	39.40	11.30	-	46.05	56.98	68.20	11.22
High Ch. Harmonic	10 620.00	51.65	Peak	H	39.40	11.41	-	46.05	56.41	74.00	17.59
	10 620.00	40.26	Average	H	39.40	11.41	0.44	46.05	45.46	54.00	8.54
	10 620.00	52.33	Peak	V	39.40	11.41	-	46.05	57.09	74.00	16.91
	10 620.00	40.34	Average	V	39.40	11.41	0.44	46.05	45.54	54.00	8.46

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

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

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

- . 484 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.41 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
484	54	65
	62	65

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low CH. Harmonic	10 540.00	52.02	Peak	H	39.40	11.30	-	46.05	56.67	68.20	11.53
	10 540.00	52.23	Peak	V	39.40	11.30	-	46.05	56.88	68.20	11.32
High Ch. Harmonic	10 620.00	51.73	Peak	H	39.40	11.41	-	46.05	56.49	74.00	17.51
	10 620.00	40.14	Average	H	39.40	11.41	0.44	46.05	45.34	54.00	8.66
	10 620.00	52.14	Peak	V	39.40	11.41	-	46.05	56.90	74.00	17.10
	10 620.00	40.23	Average	V	39.40	11.41	0.44	46.05	45.43	54.00	8.57

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 97.18 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	54	-
	62	-

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low CH. Harmonic	10 540.00	51.98	Peak	H	39.40	11.30	-	46.05	56.63	68.20	11.57
	10 540.00	52.06	Peak	V	39.40	11.30	-	46.05	56.71	68.20	11.49
High Ch. Harmonic	10 620.00	51.88	Peak	H	39.40	11.41	-	46.05	56.64	74.00	17.36
	10 620.00	40.16	Average	H	39.40	11.41	0.12	46.05	45.04	54.00	8.96
	10 620.00	51.98	Peak	V	39.40	11.41	-	46.05	56.74	74.00	17.26
	10 620.00	40.09	Average	V	39.40	11.41	0.12	46.05	44.97	54.00	9.03

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

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

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

13.6.2.3 Test data for 802.11 ax(HE80) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.19 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	58	18

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 580.00	51.33	Peak	H	39.40	11.41	-	46.05	56.09	68.20	12.11
	10 580.00	51.48	Peak	V	39.40	11.41	-	46.05	56.24	68.20	11.96

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	58	44

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 580.00	51.67	Peak	H	39.40	11.41	-	46.05	56.43	68.20	11.77
	10 580.00	51.41	Peak	V	39.40	11.41	-	46.05	56.17	68.20	12.03

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

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

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

-. 106 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
106	58	56

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 580.00	52.15	Peak	H	39.40	11.41	-	46.05	56.91	68.20	11.29
	10 580.00	51.68	Peak	V	39.40	11.41	-	46.05	56.44	68.20	11.76

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	58	62

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 580.00	51.48	Peak	H	39.40	11.41	-	46.05	56.24	68.20	11.96
	10 580.00	51.22	Peak	V	39.40	11.41	-	46.05	55.98	68.20	12.22

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

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

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

-. 484 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
484	58	65

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 580.00	51.52	Peak	H	39.40	11.41	-	46.05	56.28	68.20	11.92
	10 580.00	51.47	Peak	V	39.40	11.41	-	46.05	56.23	68.20	11.97

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

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

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

-. 996 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
996	58	67

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 580.00	51.41	Peak	H	39.40	11.41	-	46.05	56.17	68.20	12.03
	10 580.00	51.58	Peak	V	39.40	11.41	-	46.05	56.34	68.20	11.86

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 94.81 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	58	-

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	10 580.00	51.38	Peak	H	39.40	11.41	-	46.05	56.14	68.20	12.06
	10 580.00	51.65	Peak	V	39.40	11.41	-	46.05	56.41	68.20	11.79

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

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

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

Spurious emission (Test Data above 1 GHz except for harmonic)

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Duty Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
It was not observed any emissions from the EUT.											

13.6.3 Test data for UNII-2C

13.6.3.1 Test data for 802.11 ax(HE20) WLAN Mode

- . 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.53 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	100	4
	116	4
	140	4

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 000.00	53.32	Peak	H	39.00	11.85	-	46.50	57.67	74.00	16.33
	11 000.00	41.51	Average	H	39.00	11.85	0.58	46.50	46.44	54.00	7.56
	11 000.00	53.06	Peak	V	39.00	11.85	-	46.50	57.41	74.00	16.59
	11 000.00	41.41	Average	V	39.00	11.85	0.58	46.50	46.34	54.00	7.66
Middle ch. Harmonic	11 160.00	52.95	Peak	H	39.00	12.36	-	46.50	57.81	74.00	16.19
	11 160.00	41.33	Average	H	39.00	12.36	0.58	46.50	46.77	54.00	7.23
	11 160.00	52.63	Peak	V	39.00	12.36	-	46.50	57.49	74.00	16.51
	11 160.00	41.35	Average	V	39.00	12.36	0.58	46.50	46.79	54.00	7.21
High ch. Harmonic	11 400.00	53.05	Peak	H	39.00	13.11	-	46.50	58.66	74.00	15.34
	11 400.00	41.22	Average	H	39.00	13.11	0.58	46.50	47.41	54.00	6.59
	11 400.00	53.15	Peak	V	39.00	13.11	-	46.50	58.76	74.00	15.24
	11 400.00	41.05	Average	V	39.00	13.11	0.58	46.50	47.24	54.00	6.76

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

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

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

- . 52 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.53 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
52	100	38
	116	38
	140	38

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 000.00	53.26	Peak	H	39.00	11.85	-	46.50	57.61	74.00	16.39
	11 000.00	41.44	Average	H	39.00	11.85	0.58	46.50	46.37	54.00	7.63
	11 000.00	52.95	Peak	V	39.00	11.85	-	46.50	57.30	74.00	16.70
	11 000.00	41.33	Average	V	39.00	11.85	0.58	46.50	46.26	54.00	7.74
Middle ch. Harmonic	11 160.00	52.68	Peak	H	39.00	12.36	-	46.50	57.54	74.00	16.46
	11 160.00	41.23	Average	H	39.00	12.36	0.58	46.50	46.67	54.00	7.33
	11 160.00	52.88	Peak	V	39.00	12.36	-	46.50	57.74	74.00	16.26
	11 160.00	41.16	Average	V	39.00	12.36	0.58	46.50	46.60	54.00	7.40
High ch. Harmonic	11 400.00	52.67	Peak	H	39.00	13.11	-	46.50	58.28	74.00	15.72
	11 400.00	41.33	Average	H	39.00	13.11	0.58	46.50	47.52	54.00	6.48
	11 400.00	52.62	Peak	V	39.00	13.11	-	46.50	58.23	74.00	15.77
	11 400.00	41.15	Average	V	39.00	13.11	0.58	46.50	47.34	54.00	6.66

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.46 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	100	53
	116	53
	140	53

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 000.00	53.15	Peak	H	39.00	11.85	-	46.50	57.50	74.00	16.50
	11 000.00	41.55	Average	H	39.00	11.85	0.58	46.50	46.48	54.00	7.52
	11 000.00	52.89	Peak	V	39.00	11.85	-	46.50	57.24	74.00	16.76
	11 000.00	41.44	Average	V	39.00	11.85	0.58	46.50	46.37	54.00	7.63
Middle ch. Harmonic	11 160.00	52.56	Peak	H	39.00	12.36	-	46.50	57.42	74.00	16.58
	11 160.00	41.15	Average	H	39.00	12.36	0.58	46.50	46.59	54.00	7.41
	11 160.00	52.66	Peak	V	39.00	12.36	-	46.50	57.52	74.00	16.48
	11 160.00	41.05	Average	V	39.00	12.36	0.58	46.50	46.49	54.00	7.51
High ch. Harmonic	11 400.00	52.68	Peak	H	39.00	13.11	-	46.50	58.29	74.00	15.71
	11 400.00	41.21	Average	H	39.00	13.11	0.58	46.50	47.40	54.00	6.60
	11 400.00	52.66	Peak	V	39.00	13.11	-	46.50	58.27	74.00	15.73
	11 400.00	41.18	Average	V	39.00	13.11	0.58	46.50	47.37	54.00	6.63

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

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

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

- . 242 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.46 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
242	100	61
	116	61
	140	61

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 000.00	53.30	Peak	H	39.00	11.85	-	46.50	57.65	74.00	16.35
	11 000.00	41.72	Average	H	39.00	11.85	0.58	46.50	46.65	54.00	7.35
	11 000.00	52.96	Peak	V	39.00	11.85	-	46.50	57.31	74.00	16.69
	11 000.00	41.73	Average	V	39.00	11.85	0.58	46.50	46.66	54.00	7.34
Middle ch. Harmonic	11 160.00	52.44	Peak	H	39.00	12.36	-	46.50	57.30	74.00	16.70
	11 160.00	41.05	Average	H	39.00	12.36	0.58	46.50	46.49	54.00	7.51
	11 160.00	52.65	Peak	V	39.00	12.36	-	46.50	57.51	74.00	16.49
	11 160.00	41.03	Average	V	39.00	12.36	0.58	46.50	46.47	54.00	7.53
High ch. Harmonic	11 400.00	52.74	Peak	H	39.00	13.11	-	46.50	58.35	74.00	15.65
	11 400.00	41.16	Average	H	39.00	13.11	0.58	46.50	47.35	54.00	6.65
	11 400.00	53.06	Peak	V	39.00	13.11	-	46.50	58.67	74.00	15.33
	11 400.00	41.14	Average	V	39.00	13.11	0.58	46.50	47.33	54.00	6.67

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 98.49 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	100	-
	116	-
	140	-

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 000.00	52.58	Peak	H	39.00	11.85	-	46.50	56.93	74.00	17.07
	11 000.00	41.33	Average	H	39.00	11.85	0.07	46.50	45.75	54.00	8.25
	11 000.00	52.62	Peak	V	39.00	11.85	-	46.50	56.97	74.00	17.03
	11 000.00	41.18	Average	V	39.00	11.85	0.07	46.50	45.60	54.00	8.40
Middle ch. Harmonic	11 160.00	52.99	Peak	H	39.00	12.36	-	46.50	57.85	74.00	16.15
	11 160.00	41.22	Average	H	39.00	12.36	0.07	46.50	46.15	54.00	7.85
	11 160.00	52.79	Peak	V	39.00	12.36	-	46.50	57.65	74.00	16.35
	11 160.00	41.06	Average	V	39.00	12.36	0.07	46.50	45.99	54.00	8.01
High ch. Harmonic	11 400.00	52.78	Peak	H	39.00	13.11	-	46.50	58.39	74.00	15.61
	11 400.00	41.05	Average	H	39.00	13.11	0.07	46.50	46.73	54.00	7.27
	11 400.00	52.85	Peak	V	39.00	13.11	-	46.50	58.46	74.00	15.54
	11 400.00	41.15	Average	V	39.00	13.11	0.07	46.50	46.83	54.00	7.17

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

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

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

13.6.3.2 Test data for 802.11 ax(HE40) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.39 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	102	8
	110	8
	134	8

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 020.00	53.26	Peak	H	39.00	11.85	-	46.50	57.61	74.00	16.39
	11 020.00	41.38	Average	H	39.00	11.85	0.44	46.50	46.17	54.00	7.83
	11 020.00	52.98	Peak	V	39.00	11.85	-	46.50	57.33	74.00	16.67
	11 020.00	41.41	Average	V	39.00	11.85	0.44	46.50	46.20	54.00	7.80
Middle ch. Harmonic	11 100.00	52.88	Peak	H	39.00	12.36	-	46.50	57.74	74.00	16.26
	11 100.00	41.36	Average	H	39.00	12.36	0.44	46.50	46.66	54.00	7.34
	11 100.00	52.91	Peak	V	39.00	12.36	-	46.50	57.77	74.00	16.23
	11 100.00	41.23	Average	V	39.00	12.36	0.44	46.50	46.53	54.00	7.47
High ch. Harmonic	11 340.00	52.78	Peak	H	39.00	13.11	-	46.50	58.39	74.00	15.61
	11 340.00	41.22	Average	H	39.00	13.11	0.44	46.50	47.27	54.00	6.73
	11 340.00	52.82	Peak	V	39.00	13.11	-	46.50	58.43	74.00	15.57
	11 340.00	41.09	Average	V	39.00	13.11	0.44	46.50	47.14	54.00	6.86

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

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

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

- . 52 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.39 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
52	102	40
	110	40
	134	40

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 020.00	53.05	Peak	H	39.00	11.85	-	46.50	57.40	74.00	16.60
	11 020.00	41.31	Average	H	39.00	11.85	0.44	46.50	46.10	54.00	7.90
	11 020.00	52.98	Peak	V	39.00	11.85	-	46.50	57.33	74.00	16.67
	11 020.00	41.25	Average	V	39.00	11.85	0.44	46.50	46.04	54.00	7.96
Middle ch. Harmonic	11 100.00	52.99	Peak	H	39.00	12.36	-	46.50	57.85	74.00	16.15
	11 100.00	41.45	Average	H	39.00	12.36	0.44	46.50	46.75	54.00	7.25
	11 100.00	52.87	Peak	V	39.00	12.36	-	46.50	57.73	74.00	16.27
	11 100.00	41.30	Average	V	39.00	12.36	0.44	46.50	46.60	54.00	7.40
High ch. Harmonic	11 340.00	53.11	Peak	H	39.00	13.11	-	46.50	58.72	74.00	15.28
	11 340.00	41.50	Average	H	39.00	13.11	0.44	46.50	47.55	54.00	6.45
	11 340.00	52.94	Peak	V	39.00	13.11	-	46.50	58.55	74.00	15.45
	11 340.00	41.37	Average	V	39.00	13.11	0.44	46.50	47.42	54.00	6.58

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.41 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	102	54
	110	54
	134	54

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 020.00	53.18	Peak	H	39.00	11.85	-	46.50	57.53	74.00	16.47
	11 020.00	41.45	Average	H	39.00	11.85	0.44	46.50	46.24	54.00	7.76
	11 020.00	52.99	Peak	V	39.00	11.85	-	46.50	57.34	74.00	16.66
	11 020.00	41.28	Average	V	39.00	11.85	0.44	46.50	46.07	54.00	7.93
Middle ch. Harmonic	11 100.00	53.30	Peak	H	39.00	12.36	-	46.50	58.16	74.00	15.84
	11 100.00	41.41	Average	H	39.00	12.36	0.44	46.50	46.71	54.00	7.29
	11 100.00	53.11	Peak	V	39.00	12.36	-	46.50	57.97	74.00	16.03
	11 100.00	41.22	Average	V	39.00	12.36	0.44	46.50	46.52	54.00	7.48
High ch. Harmonic	11 340.00	53.20	Peak	H	39.00	13.11	-	46.50	58.81	74.00	15.19
	11 340.00	41.41	Average	H	39.00	13.11	0.44	46.50	47.46	54.00	6.54
	11 340.00	53.07	Peak	V	39.00	13.11	-	46.50	58.68	74.00	15.32
	11 340.00	41.40	Average	V	39.00	13.11	0.44	46.50	47.45	54.00	6.55

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

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

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

- . 242 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.41 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
242	102	61
	110	61
	134	61

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 020.00	52.95	Peak	H	39.00	11.85	-	46.50	57.30	74.00	16.70
	11 020.00	41.22	Average	H	39.00	11.85	0.44	46.50	46.01	54.00	7.99
	11 020.00	52.80	Peak	V	39.00	11.85	-	46.50	57.15	74.00	16.85
	11 020.00	41.16	Average	V	39.00	11.85	0.44	46.50	45.95	54.00	8.05
Middle ch. Harmonic	11 100.00	53.06	Peak	H	39.00	12.36	-	46.50	57.92	74.00	16.08
	11 100.00	41.31	Average	H	39.00	12.36	0.44	46.50	46.61	54.00	7.39
	11 100.00	53.00	Peak	V	39.00	12.36	-	46.50	57.86	74.00	16.14
	11 100.00	41.18	Average	V	39.00	12.36	0.44	46.50	46.48	54.00	7.52
High ch. Harmonic	11 340.00	53.24	Peak	H	39.00	13.11	-	46.50	58.85	74.00	15.15
	11 340.00	41.28	Average	H	39.00	13.11	0.44	46.50	47.33	54.00	6.67
	11 340.00	53.10	Peak	V	39.00	13.11	-	46.50	58.71	74.00	15.29
	11 340.00	41.22	Average	V	39.00	13.11	0.44	46.50	47.27	54.00	6.73

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

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

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

- . 484 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.41 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
484	102	65
	110	65
	134	65

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 020.00	53.38	Peak	H	39.00	11.85	-	46.50	57.73	74.00	16.27
	11 020.00	41.46	Average	H	39.00	11.85	0.44	46.50	46.25	54.00	7.75
	11 020.00	53.20	Peak	V	39.00	11.85	-	46.50	57.55	74.00	16.45
	11 020.00	41.38	Average	V	39.00	11.85	0.44	46.50	46.17	54.00	7.83
Middle ch. Harmonic	11 100.00	53.16	Peak	H	39.00	12.36	-	46.50	58.02	74.00	15.98
	11 100.00	41.29	Average	H	39.00	12.36	0.44	46.50	46.59	54.00	7.41
	11 100.00	53.11	Peak	V	39.00	12.36	-	46.50	57.97	74.00	16.03
	11 100.00	41.18	Average	V	39.00	12.36	0.44	46.50	46.48	54.00	7.52
High ch. Harmonic	11 340.00	53.20	Peak	H	39.00	13.11	-	46.50	58.81	74.00	15.19
	11 340.00	41.35	Average	H	39.00	13.11	0.44	46.50	47.40	54.00	6.60
	11 340.00	53.10	Peak	V	39.00	13.11	-	46.50	58.71	74.00	15.29
	11 340.00	41.33	Average	V	39.00	13.11	0.44	46.50	47.38	54.00	6.62

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 97.18 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	102	-
	110	-
	134	-

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 020.00	53.00	Peak	H	39.00	11.85	-	46.50	57.35	74.00	16.65
	11 020.00	41.05	Average	H	39.00	11.85	0.12	46.50	45.52	54.00	8.48
	11 020.00	52.88	Peak	V	39.00	11.85	-	46.50	57.23	74.00	16.77
	11 020.00	41.01	Average	V	39.00	11.85	0.12	46.50	45.48	54.00	8.52
Middle ch. Harmonic	11 100.00	53.13	Peak	H	39.00	12.36	-	46.50	57.99	74.00	16.01
	11 100.00	41.20	Average	H	39.00	12.36	0.12	46.50	46.18	54.00	7.82
	11 100.00	53.11	Peak	V	39.00	12.36	-	46.50	57.97	74.00	16.03
	11 100.00	41.13	Average	V	39.00	12.36	0.12	46.50	46.11	54.00	7.89
High ch. Harmonic	11 340.00	53.22	Peak	H	39.00	13.11	-	46.50	58.83	74.00	15.17
	11 340.00	41.29	Average	H	39.00	13.11	0.12	46.50	47.02	54.00	6.98
	11 340.00	53.20	Peak	V	39.00	13.11	-	46.50	58.81	74.00	15.19
	11 340.00	41.23	Average	V	39.00	13.11	0.12	46.50	46.96	54.00	7.04

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

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

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

13.6.3.3 Test data for 802.11 ax(HE80) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.19 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	106	18

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 060.00	53.40	Peak	H	39.00	12.36	-	46.50	58.26	74.00	15.74
	11 060.00	41.45	Average	H	39.00	12.36	0.55	46.50	46.86	54.00	7.14
	11 060.00	53.29	Peak	V	39.00	12.36	-	46.50	58.15	74.00	15.85
	11 060.00	41.33	Average	V	39.00	12.36	0.55	46.50	46.74	54.00	7.26

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	106	44

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 060.00	53.26	Peak	H	39.00	12.36	-	46.50	58.12	74.00	15.88
	11 060.00	41.32	Average	H	39.00	12.36	0.55	46.50	46.73	54.00	7.28
	11 060.00	53.15	Peak	V	39.00	12.36	-	46.50	58.01	74.00	15.99
	11 060.00	41.19	Average	V	39.00	12.36	0.55	46.50	46.60	54.00	7.41

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

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

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

-. 106 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
106	106	56

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 060.00	53.22	Peak	H	39.00	12.36	-	46.50	58.08	74.00	15.92
	11 060.00	41.19	Average	H	39.00	12.36	0.55	46.50	46.60	54.00	7.41
	11 060.00	53.09	Peak	V	39.00	12.36	-	46.50	57.95	74.00	16.05
	11 060.00	41.15	Average	V	39.00	12.36	0.55	46.50	46.56	54.00	7.44

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	106	62

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 060.00	53.08	Peak	H	39.00	12.36	-	46.50	57.94	74.00	16.06
	11 060.00	41.26	Average	H	39.00	12.36	0.55	46.50	46.67	54.00	7.34
	11 060.00	53.01	Peak	V	39.00	12.36	-	46.50	57.87	74.00	16.13
	11 060.00	41.23	Average	V	39.00	12.36	0.55	46.50	46.64	54.00	7.37

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

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

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

- . 484 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.21 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
484	106	65

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 060.00	53.16	Peak	H	39.00	12.36	-	46.50	58.02	74.00	15.98
	11 060.00	41.33	Average	H	39.00	12.36	0.55	46.50	46.74	54.00	7.27
	11 060.00	53.13	Peak	V	39.00	12.36	-	46.50	57.99	74.00	16.01
	11 060.00	41.19	Average	V	39.00	12.36	0.55	46.50	46.60	54.00	7.41

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

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

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

-. 996 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.21 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
996	106	67

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 060.00	53.28	Peak	H	39.00	12.36	-	46.50	58.14	74.00	15.86
	11 060.00	41.26	Average	H	39.00	12.36	0.55	46.50	46.67	54.00	7.34
	11 060.00	53.20	Peak	V	39.00	12.36	-	46.50	58.06	74.00	15.94
	11 060.00	41.15	Average	V	39.00	12.36	0.55	46.50	46.56	54.00	7.44

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 94.81 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	106	-

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 060.00	53.33	Peak	H	39.00	12.36	-	46.50	58.19	74.00	15.81
	11 060.00	41.19	Average	H	39.00	12.36	0.23	46.50	46.28	54.00	7.72
	11 060.00	53.19	Peak	V	39.00	12.36	-	46.50	58.05	74.00	15.95
	11 060.00	41.06	Average	V	39.00	12.36	0.23	46.50	46.15	54.00	7.85

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

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

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

Spurious emission (Test Data above 1 GHz except for harmonic)

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Duty Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
It was not observed any emissions from the EUT.											

13.6.4 Test data for UNII3

13.6.4.1 Test data for 802.11 ax(HE20) WLAN Mode

- . 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.53 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	149	4
	157	4
	165	4

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 490.00	49.26	Peak	H	39.30	13.11	-	46.35	55.32	74.00	18.68
	11 490.00	39.49	Average	H	39.30	13.11	0.58	46.35	46.13	54.00	7.87
	11 490.00	50.72	Peak	V	39.30	13.11	-	46.35	56.78	74.00	17.22
	11 490.00	40.43	Average	V	39.30	13.11	0.58	46.35	47.07	54.00	6.93
Middle ch. Harmonic	11 570.00	50.20	Peak	H	39.40	13.15	-	46.35	56.40	74.00	17.60
	11 570.00	39.65	Average	H	39.40	13.15	0.58	46.35	46.43	54.00	7.57
	11 570.00	49.31	Peak	V	39.40	13.15	-	46.35	55.51	74.00	18.49
	11 570.00	40.54	Average	V	39.40	13.15	0.58	46.35	47.32	54.00	6.68
High ch. Harmonic	11 650.00	48.40	Peak	H	39.70	13.19	-	46.35	54.94	74.00	19.06
	11 650.00	39.29	Average	H	39.70	13.19	0.58	46.35	46.41	54.00	7.59
	11 650.00	51.04	Peak	V	39.70	13.19	-	46.35	57.58	74.00	16.42
	11 650.00	40.42	Average	V	39.70	13.19	0.58	46.35	47.54	54.00	6.46

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

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

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

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OTC-TRF-RF-001(0)

- . 52 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.53 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
52	149	38
	157	38
	165	38

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 490.00	48.78	Peak	H	39.30	13.11	-	46.35	54.84	74.00	19.16
	11 490.00	39.18	Average	H	39.30	13.11	0.58	46.35	45.82	54.00	8.18
	11 490.00	50.45	Peak	V	39.30	13.11	-	46.35	56.51	74.00	17.49
	11 490.00	40.66	Average	V	39.30	13.11	0.58	46.35	47.30	54.00	6.70
Middle ch. Harmonic	11 570.00	48.49	Peak	H	39.40	13.15	-	46.35	54.69	74.00	19.31
	11 570.00	39.00	Average	H	39.40	13.15	0.58	46.35	45.78	54.00	8.22
	11 570.00	49.81	Peak	V	39.40	13.15	-	46.35	56.01	74.00	17.99
	11 570.00	40.56	Average	V	39.40	13.15	0.58	46.35	47.34	54.00	6.66
High ch. Harmonic	11 650.00	47.93	Peak	H	39.70	13.19	-	46.35	54.47	74.00	19.53
	11 650.00	39.01	Average	H	39.70	13.19	0.58	46.35	46.13	54.00	7.87
	11 650.00	49.50	Peak	V	39.70	13.19	-	46.35	56.04	74.00	17.96
	11 650.00	40.29	Average	V	39.70	13.19	0.58	46.35	47.41	54.00	6.59

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.46 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	149	53
	157	53
	165	53

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 490.00	48.88	Peak	H	39.30	13.11	-	46.35	54.94	74.00	19.06
	11 490.00	39.46	Average	H	39.30	13.11	0.58	46.35	46.10	54.00	7.90
	11 490.00	51.10	Peak	V	39.30	13.11	-	46.35	57.16	74.00	16.84
	11 490.00	40.52	Average	V	39.30	13.11	0.58	46.35	47.16	54.00	6.84
Middle ch. Harmonic	11 570.00	48.20	Peak	H	39.40	13.15	-	46.35	54.40	74.00	19.60
	11 570.00	39.77	Average	H	39.40	13.15	0.58	46.35	46.55	54.00	7.45
	11 570.00	49.56	Peak	V	39.40	13.15	-	46.35	55.76	74.00	18.24
	11 570.00	40.43	Average	V	39.40	13.15	0.58	46.35	47.21	54.00	6.79
High ch. Harmonic	11 650.00	49.27	Peak	H	39.70	13.19	-	46.35	55.81	74.00	18.19
	11 650.00	38.83	Average	H	39.70	13.19	0.58	46.35	45.95	54.00	8.05
	11 650.00	51.04	Peak	V	39.70	13.19	-	46.35	57.58	74.00	16.42
	11 650.00	39.92	Average	V	39.70	13.19	0.58	46.35	47.04	54.00	6.96

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

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

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

- . 242 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.46 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
242	149	61
	157	61
	165	61

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 490.00	49.36	Peak	H	39.30	13.11	-	46.35	55.42	74.00	18.58
	11 490.00	39.94	Average	H	39.30	13.11	0.58	46.35	46.58	54.00	7.42
	11 490.00	51.10	Peak	V	39.30	13.11	-	46.35	57.16	74.00	16.84
	11 490.00	39.58	Average	V	39.30	13.11	0.58	46.35	46.22	54.00	7.78
Middle ch. Harmonic	11 570.00	49.62	Peak	H	39.40	13.15	-	46.35	55.82	74.00	18.18
	11 570.00	40.06	Average	H	39.40	13.15	0.58	46.35	46.84	54.00	7.16
	11 570.00	50.96	Peak	V	39.40	13.15	-	46.35	57.16	74.00	16.84
	11 570.00	39.77	Average	V	39.40	13.15	0.58	46.35	46.55	54.00	7.45
High ch. Harmonic	11 650.00	50.36	Peak	H	39.70	13.19	-	46.35	56.90	74.00	17.10
	11 650.00	38.96	Average	H	39.70	13.19	0.58	46.35	46.08	54.00	7.92
	11 650.00	47.90	Peak	V	39.70	13.19	-	46.35	54.44	74.00	19.56
	11 650.00	38.99	Average	V	39.70	13.19	0.58	46.35	46.11	54.00	7.89

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 98.49 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	149	-
	157	-
	165	-

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 490.00	49.51	Peak	H	39.30	13.11	-	46.35	55.57	74.00	18.43
	11 490.00	39.79	Average	H	39.30	13.11	0.07	46.35	45.92	54.00	8.08
	11 490.00	48.93	Peak	V	39.30	13.11	-	46.35	54.99	74.00	19.01
	11 490.00	39.59	Average	V	39.30	13.11	0.07	46.35	45.72	54.00	8.28
Middle ch. Harmonic	11 570.00	49.57	Peak	H	39.40	13.15	-	46.35	55.77	74.00	18.23
	11 570.00	39.69	Average	H	39.40	13.15	0.07	46.35	45.96	54.00	8.04
	11 570.00	49.49	Peak	V	39.40	13.15	-	46.35	55.69	74.00	18.31
	11 570.00	39.70	Average	V	39.40	13.15	0.07	46.35	45.97	54.00	8.03
High ch. Harmonic	11 650.00	49.69	Peak	H	39.70	13.19	-	46.35	56.23	74.00	17.77
	11 650.00	39.25	Average	H	39.70	13.19	0.07	46.35	45.86	54.00	8.14
	11 650.00	48.18	Peak	V	39.70	13.19	-	46.35	54.72	74.00	19.28
	11 650.00	39.05	Average	V	39.70	13.19	0.07	46.35	45.66	54.00	8.34

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

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

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

13.6.4.2 Test data for 802.11 ax(HE40) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.39 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	151	8
	159	8

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 510.00	49.42	Peak	H	39.30	13.11	-	46.35	55.48	74.00	18.52
	11 510.00	40.27	Average	H	39.30	13.11	0.44	46.35	46.77	54.00	7.23
	11 510.00	49.97	Peak	V	39.30	13.11	-	46.35	56.03	74.00	17.97
	11 510.00	40.35	Average	V	39.30	13.11	0.44	46.35	46.85	54.00	7.15
High ch. Harmonic	11 590.00	49.79	Peak	H	39.40	13.15	-	46.35	55.99	74.00	18.01
	11 590.00	39.95	Average	H	39.40	13.15	0.44	46.35	46.59	54.00	7.41
	11 590.00	49.35	Peak	V	39.40	13.15	-	46.35	55.55	74.00	18.45
	11 590.00	40.00	Average	V	39.40	13.15	0.44	46.35	46.64	54.00	7.36

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

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

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

- . 52 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.39 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
52	151	40
	159	40

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 510.00	50.12	Peak	H	39.30	13.11	-	46.35	56.18	74.00	17.82
	11 510.00	40.49	Average	H	39.30	13.11	0.44	46.35	46.99	54.00	7.01
	11 510.00	49.61	Peak	V	39.30	13.11	-	46.35	55.67	74.00	18.33
	11 510.00	40.50	Average	V	39.30	13.11	0.44	46.35	47.00	54.00	7.00
High ch. Harmonic	11 590.00	48.06	Peak	H	39.40	13.15	-	46.35	54.26	74.00	19.74
	11 590.00	40.08	Average	H	39.40	13.15	0.44	46.35	46.72	54.00	7.28
	11 590.00	49.25	Peak	V	39.40	13.15	-	46.35	55.45	74.00	18.55
	11 590.00	39.93	Average	V	39.40	13.15	0.44	46.35	46.57	54.00	7.43

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.41 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	151	54
	159	54

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 510.00	49.13	Peak	H	39.30	13.11	-	46.35	55.19	74.00	18.81
	11 510.00	40.03	Average	H	39.30	13.11	0.44	46.35	46.53	54.00	7.47
	11 510.00	48.84	Peak	V	39.30	13.11	-	46.35	54.90	74.00	19.10
	11 510.00	40.25	Average	V	39.30	13.11	0.44	46.35	46.75	54.00	7.25
High ch. Harmonic	11 590.00	50.13	Peak	H	39.40	13.15	-	46.35	56.33	74.00	17.67
	11 590.00	40.56	Average	H	39.40	13.15	0.44	46.35	47.20	54.00	6.80
	11 590.00	50.38	Peak	V	39.40	13.15	-	46.35	56.58	74.00	17.42
	11 590.00	40.04	Average	V	39.40	13.15	0.44	46.35	46.68	54.00	7.32

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

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

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

-. 242 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.41 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
242	151	61
	159	61

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 510.00	49.34	Peak	H	39.30	13.11	-	46.35	55.40	74.00	18.60
	11 510.00	40.21	Average	H	39.30	13.11	0.44	46.35	46.71	54.00	7.29
	11 510.00	49.97	Peak	V	39.30	13.11	-	46.35	56.03	74.00	17.97
	11 510.00	40.47	Average	V	39.30	13.11	0.44	46.35	46.97	54.00	7.03
High ch. Harmonic	11 590.00	48.51	Peak	H	39.40	13.15	-	46.35	54.71	74.00	19.29
	11 590.00	40.17	Average	H	39.40	13.15	0.44	46.35	46.81	54.00	7.19
	11 590.00	49.08	Peak	V	39.40	13.15	-	46.35	55.28	74.00	18.72
	11 590.00	39.86	Average	V	39.40	13.15	0.44	46.35	46.50	54.00	7.50

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

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

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

- . 484 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.41 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
484	151	65
	159	65

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 510.00	50.06	Peak	H	39.30	13.11	-	46.35	56.12	74.00	17.88
	11 510.00	40.62	Average	H	39.30	13.11	0.44	46.35	47.12	54.00	6.88
	11 510.00	49.14	Peak	V	39.30	13.11	-	46.35	55.20	74.00	18.80
	11 510.00	40.37	Average	V	39.30	13.11	0.44	46.35	46.87	54.00	7.13
High ch. Harmonic	11 590.00	49.88	Peak	H	39.40	13.15	-	46.35	56.08	74.00	17.92
	11 590.00	40.23	Average	H	39.40	13.15	0.44	46.35	46.87	54.00	7.13
	11 590.00	49.36	Peak	V	39.40	13.15	-	46.35	55.56	74.00	18.44
	11 590.00	40.06	Average	V	39.40	13.15	0.44	46.35	46.70	54.00	7.30

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 97.18 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	151	-
	159	-

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch. Harmonic	11 510.00	50.77	Peak	H	39.30	13.11	-	46.35	56.83	74.00	17.17
	11 510.00	40.68	Average	H	39.30	13.11	0.12	46.35	46.86	54.00	7.14
	11 510.00	49.95	Peak	V	39.30	13.11	-	46.35	56.01	74.00	17.99
	11 510.00	40.37	Average	V	39.30	13.11	0.12	46.35	46.55	54.00	7.45
High ch. Harmonic	11 590.00	48.44	Peak	H	39.40	13.15	-	46.35	54.64	74.00	19.36
	11 590.00	40.04	Average	H	39.40	13.15	0.12	46.35	46.36	54.00	7.64
	11 590.00	49.41	Peak	V	39.40	13.15	-	46.35	55.61	74.00	18.39
	11 590.00	40.30	Average	V	39.40	13.15	0.12	46.35	46.62	54.00	7.38

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

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

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

13.6.4.3 Test data for 802.11 ax(HE80) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.19 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	155	18

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 550.00	51.09	Peak	H	39.40	13.15	-	46.35	57.29	74.00	16.71
	11 550.00	40.25	Average	H	39.40	13.15	0.55	46.35	47.00	54.00	7.00
	11 550.00	49.72	Peak	V	39.40	13.15	-	46.35	55.92	74.00	18.08
	11 550.00	40.27	Average	V	39.40	13.15	0.55	46.35	47.02	54.00	6.98

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

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

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

- . 52 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.21 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
52	155	44

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 550.00	49.41	Peak	H	39.40	13.15	-	46.35	55.61	74.00	18.39
	11 550.00	40.38	Average	H	39.40	13.15	0.55	46.35	47.13	54.00	6.87
	11 550.00	49.05	Peak	V	39.40	13.15	-	46.35	55.25	74.00	18.75
	11 550.00	40.64	Average	V	39.40	13.15	0.55	46.35	47.39	54.00	6.62

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.21 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	155	56

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 550.00	49.36	Peak	H	39.40	13.15	-	46.35	55.56	74.00	18.44
	11 550.00	40.14	Average	H	39.40	13.15	0.55	46.35	46.89	54.00	7.12
	11 550.00	49.70	Peak	V	39.40	13.15	-	46.35	55.90	74.00	18.10
	11 550.00	40.35	Average	V	39.40	13.15	0.55	46.35	47.10	54.00	6.90

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	155	62

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 550.00	49.19	Peak	H	39.40	13.15	-	46.35	55.39	74.00	18.61
	11 550.00	40.44	Average	H	39.40	13.15	0.55	46.35	47.19	54.00	6.81
	11 550.00	49.97	Peak	V	39.40	13.15	-	46.35	56.17	74.00	17.83
	11 550.00	40.44	Average	V	39.40	13.15	0.55	46.35	47.19	54.00	6.81

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

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

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

-. 484 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
484	155	65

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 550.00	48.97	Peak	H	39.40	13.15	-	46.35	55.17	74.00	18.83
	11 550.00	40.29	Average	H	39.40	13.15	0.55	46.35	47.04	54.00	6.97
	11 550.00	49.19	Peak	V	39.40	13.15	-	46.35	55.39	74.00	18.61
	11 550.00	40.15	Average	V	39.40	13.15	0.55	46.35	46.90	54.00	7.11

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

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

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

-. 996 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
996	155	67

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 550.00	49.37	Peak	H	39.40	13.15	-	46.35	55.57	74.00	18.43
	11 550.00	40.17	Average	H	39.40	13.15	0.55	46.35	46.92	54.00	7.09
	11 550.00	49.03	Peak	V	39.40	13.15	-	46.35	55.23	74.00	18.77
	11 550.00	40.35	Average	V	39.40	13.15	0.55	46.35	47.10	54.00	6.90

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 94.81 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	155	-

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor	AMP Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Middle CH. Harmonic	11 550.00	50.67	Peak	H	39.40	13.15	-	46.35	56.87	74.00	17.13
	11 550.00	40.29	Average	H	39.40	13.15	0.23	46.35	46.72	54.00	7.28
	11 550.00	50.15	Peak	V	39.40	13.15	-	46.35	56.35	74.00	17.65
	11 550.00	40.34	Average	V	39.40	13.15	0.23	46.35	46.77	54.00	7.23

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

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

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

Spurious emission (Test Data above 1 GHz except for harmonic)

Channel	Frequency (GHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Duty Factor	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
It was not observed any emissions from the EUT.											

14. RADIATED RESTRICTED BAND EDGE MEASUREMENTS

14.1 Operating environment

Temperature : 23 °C

Relative humidity : 45 % R.H.

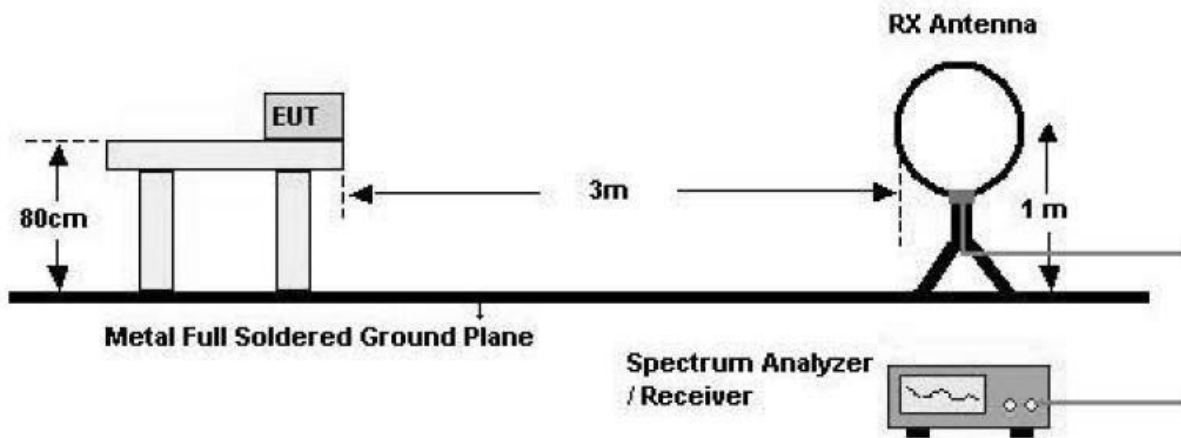
14.2 Test set-up for conducted measurement

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.

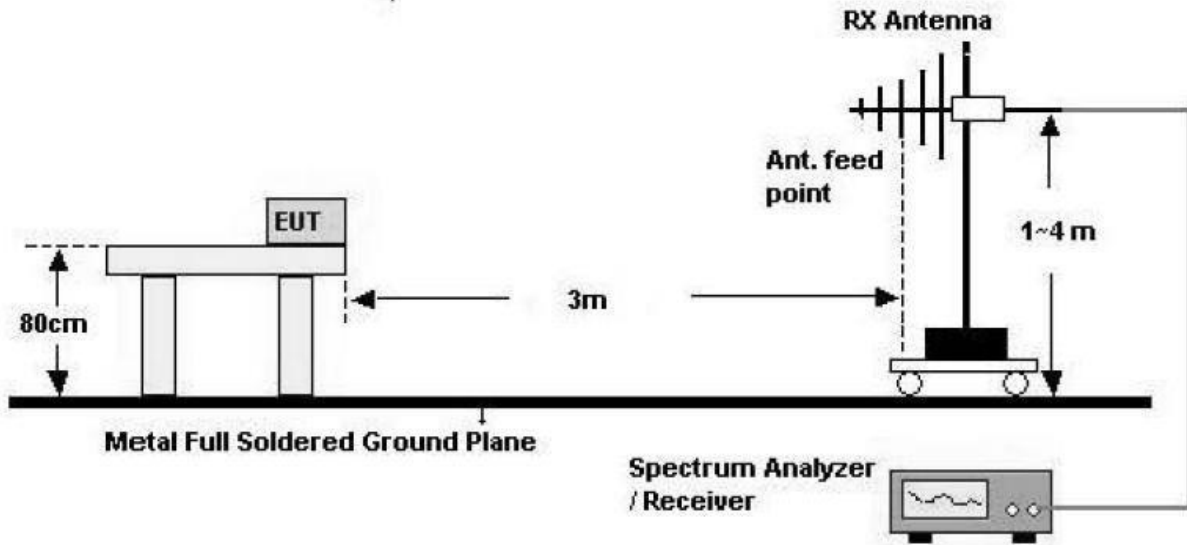
The system was rotated 360°, and the antenna was varied in the height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna.

- Test Configuration

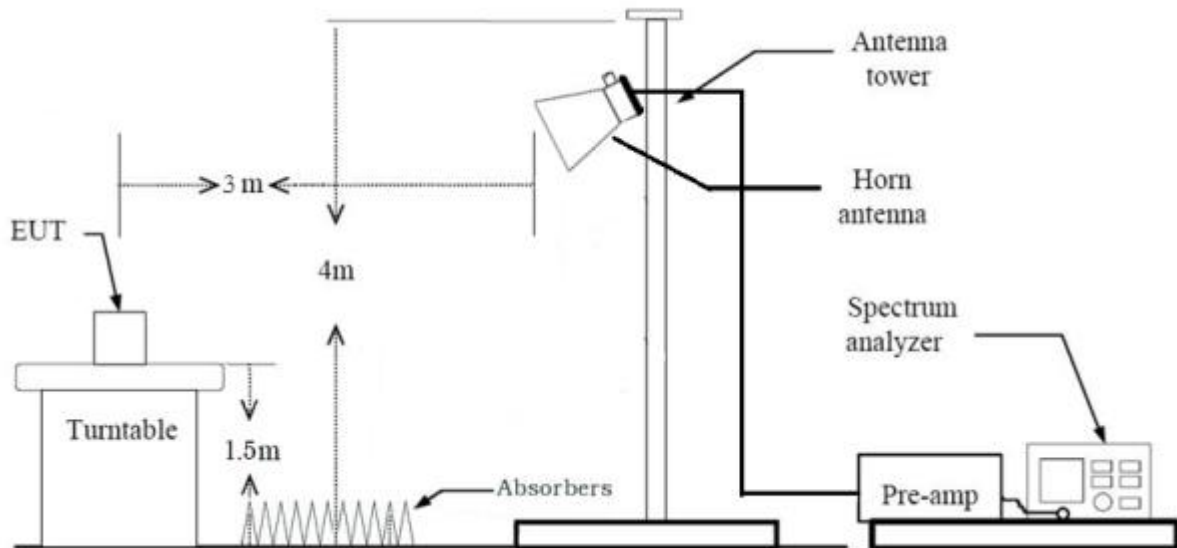
1. Below 30 MHz



2. 30 MHz - 1 GHz



3. Above 1 GHz



14.3 Test Date

December 05, 2021 ~ March 08, 2022

14.4 Test data for Frequency UNII I

14.4.1 Test data for 802.11 ax(HE20) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.53 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	36	0

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5132.790	58.30	Peak	H	34.20	8.21	-	45.03	6.16	61.84	74.00	12.16
	5146.370	45.31	Average	H	34.20	8.21	0.58	45.03	6.16	49.43	54.00	4.57
	5053.990	54.48	Peak	V	34.20	8.21	-	45.03	6.16	58.02	74.00	15.98
	4998.960	43.08	Average	V	34.20	8.21	0.58	45.03	6.16	47.20	54.00	6.80

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 87.53 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	36	37

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5136.180	60.06	Peak	H	34.20	8.21		45.03	6.16	63.60	74.00	10.40
	5145.010	44.29	Average	H	34.20	8.21	0.58	45.03	6.16	48.41	54.00	5.59
	4953.450	53.01	Peak	V	34.20	8.21		45.03	6.16	56.55	74.00	17.45
	4700.740	43.45	Average	V	34.20	8.21	0.58	45.03	6.16	47.57	54.00	6.43

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.46 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	36	53

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5149.090	59.27	Peak	H	34.20	8.21	-	45.03	6.16	62.81	74.00	11.19
	5147.730	44.43	Average	H	34.20	8.21	0.58	45.03	6.16	48.55	54.00	5.45
	4710.930	53.45	Peak	V	34.20	8.21	-	45.03	6.16	56.99	74.00	17.01
	5120.560	43.35	Average	V	34.20	8.21	0.58	45.03	6.16	47.47	54.00	6.53

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 87.46 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	36	61

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5149.770	61.64	Peak	H	34.20	8.21		45.03	6.16	65.18	74.00	8.82
	5143.660	45.20	Average	H	34.20	8.21	0.58	45.03	6.16	49.32	54.00	4.68
	5148.410	57.58	Peak	V	34.20	8.21		45.03	6.16	61.12	74.00	12.88
	5147.050	43.74	Average	V	34.20	8.21	0.58	45.03	6.16	47.86	54.00	6.14

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 98.49 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	36	-

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5142.300	59.72	Peak	H	34.20	8.21	-	45.03	6.16	63.26	74.00	10.74
	5148.410	45.67	Average	H	34.20	8.21	0.07	45.03	6.16	49.28	54.00	4.72
	5148.410	57.74	Peak	V	34.20	8.21	-	45.03	6.16	61.28	74.00	12.72
	5144.340	43.62	Average	V	34.20	8.21	0.07	45.03	6.16	47.23	54.00	6.77

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

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

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

14.4.2 Test data for 802.11 ax(HE40) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.39 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	38	0

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5136.180	56.09	Peak	H	34.20	8.21	-	45.03	6.16	59.63	74.00	14.37
	5136.180	45.46	Average	H	34.20	8.21	0.44	45.03	6.16	49.44	54.00	4.56
	5146.370	56.58	Peak	V	34.20	8.21	-	45.03	6.16	60.12	74.00	13.88
	5079.120	43.07	Average	V	34.20	8.21	0.44	45.03	6.16	47.05	54.00	6.95

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 90.39 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	38	37

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5147.050	56.60	Peak	H	34.20	8.21	-	45.03	6.16	60.14	74.00	13.86
	5098.820	43.48	Average	H	34.20	8.21	0.44	45.03	6.16	47.46	54.00	6.54
	4623.300	53.76	Peak	V	34.20	8.21	-	45.03	6.16	57.30	74.00	16.70
	4695.980	43.19	Average	V	34.20	8.21	0.44	45.03	6.16	47.17	54.00	6.83

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.41 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	38	53

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	4631.450	53.78	Peak	H	34.20	8.21		45.03	6.16	57.32	74.00	16.68
	5120.560	43.73	Average	H	34.20	8.21	0.44	45.03	6.16	47.71	54.00	6.29
	4826.410	53.77	Peak	V	34.20	8.21		45.03	6.16	57.31	74.00	16.69
	5120.560	43.44	Average	V	34.20	8.21	0.44	45.03	6.16	47.42	54.00	6.58

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 90.41 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	36	61

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5149.090	67.09	Peak	H	34.20	8.21	-	45.03	6.16	70.63	74.00	3.37
	5120.560	44.97	Average	H	34.20	8.21	0.44	45.03	6.16	48.95	54.00	5.05
	5149.770	61.63	Peak	V	34.20	8.21	-	45.03	6.16	65.17	74.00	8.83
	5120.560	43.48	Average	V	34.20	8.21	0.44	45.03	6.16	47.46	54.00	6.54

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

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

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

-. 484 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 90.41 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
484	38	65

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5149.770	59.93	Peak	H	34.20	8.21	-	45.03	6.16	63.47	74.00	10.53
	5149.770	48.28	Average	H	34.20	8.21	0.44	45.03	6.16	52.26	54.00	1.74
	5149.770	56.54	Peak	V	34.20	8.21	-	45.03	6.16	60.08	74.00	13.92
	5149.090	45.45	Average	V	34.20	8.21	0.44	45.03	6.16	49.43	54.00	4.57

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 97.18 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	38	-

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5149.770	60.33	Peak	H	34.20	8.21		45.03	6.16	63.87	74.00	10.13
	5149.770	48.63	Average	H	34.20	8.21	0.12	45.03	6.16	52.29	54.00	1.71
	5147.050	57.17	Peak	V	34.20	8.21		45.03	6.16	60.71	74.00	13.29
	5149.770	44.55	Average	V	34.20	8.21	0.12	45.03	6.16	48.21	54.00	5.79

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

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

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

14.4.3 Test data for 802.11 ax(HE80) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.19 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	42	0

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5079.120	53.16	Peak	H	34.20	8.21		45.03	6.16	56.70	74.00	17.30
	5120.560	43.34	Average	H	34.20	8.21	0.55	45.03	6.16	47.43	54.00	6.57
	5138.220	53.30	Peak	V	34.20	8.21		45.03	6.16	56.84	74.00	17.16
	5030.210	43.34	Average	V	34.20	8.21	0.55	45.03	6.16	47.43	54.00	6.57

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

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

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

-. 52 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.21 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
52	42	37

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5095.420	53.68	Peak	H	34.20	8.21	-	45.03	6.16	57.22	74.00	16.78
	5119.880	43.60	Average	H	34.20	8.21	0.55	45.03	6.16	47.69	54.00	6.31
	4889.590	53.13	Peak	V	34.20	8.21	-	45.03	6.16	56.67	74.00	17.33
	5136.180	43.26	Average	V	34.20	8.21	0.55	45.03	6.16	47.35	54.00	6.65

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

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

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

-. 106 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
106	42	53

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	4735.380	53.79	Peak	H	34.20	8.21	-	45.03	6.16	57.33	74.00	16.67
	5120.560	43.84	Average	H	34.20	8.21	0.55	45.03	6.16	47.93	54.00	6.08
	4996.920	53.64	Peak	V	34.20	8.21	-	45.03	6.16	57.18	74.00	16.82
	5138.220	43.21	Average	V	34.20	8.21	0.55	45.03	6.16	47.30	54.00	6.71

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	42	61

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	4840.680	53.86	Peak	H	34.20	8.21		45.03	6.16	57.40	74.00	16.60
	5120.560	43.72	Average	H	34.20	8.21	0.55	45.03	6.16	47.81	54.00	6.20
	5134.830	54.06	Peak	V	34.20	8.21		45.03	6.16	57.60	74.00	16.40
	5130.070	43.15	Average	V	34.20	8.21	0.55	45.03	6.16	47.24	54.00	6.77

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

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

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

-. 484 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
484	42	65

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5145.010	54.88	Peak	H	34.20	8.21	-	45.03	6.16	58.42	74.00	15.58
	5149.770	44.73	Average	H	34.20	8.21	0.55	45.03	6.16	48.82	54.00	5.18
	4742.860	53.65	Peak	V	34.20	8.21	-	45.03	6.16	57.19	74.00	16.81
	5146.370	43.39	Average	V	34.20	8.21	0.55	45.03	6.16	47.48	54.00	6.52

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

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

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

-. 996 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
996	42	67

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5125.310	54.32	Peak	H	34.20	8.21	-	45.03	6.16	57.86	74.00	16.14
	5149.770	45.75	Average	H	34.20	8.21	0.55	45.03	6.16	49.84	54.00	4.17
	5138.900	53.79	Peak	V	34.20	8.21	-	45.03	6.16	57.33	74.00	16.67
	5147.050	43.69	Average	V	34.20	8.21	0.55	45.03	6.16	47.78	54.00	6.23

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

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

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

Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 94.81 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	42	-

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5135.500	62.07	Peak	H	34.20	8.21	-	45.03	6.16	65.61	74.00	8.39
	5143.660	48.87	Average	H	34.20	8.21	0.23	45.03	6.16	52.64	54.00	1.36
	5136.860	60.68	Peak	V	34.20	8.21	-	45.03	6.16	64.22	74.00	9.78
	5142.980	45.24	Average	V	34.20	8.21	0.23	45.03	6.16	49.01	54.00	4.99

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

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

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

14.5 Test data for Frequency UNII 2A

14.5.1 Test data for 802.11 ax(HE20) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.53 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	64	0

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5430.140	53.14	Peak	H	34.10	8.58		45.21	6.16	56.77	74.00	17.23
	5357.273	43.18	Average	H	34.10	8.58	0.58	45.21	6.16	47.39	54.00	6.61
	5422.308	54.01	Peak	V	34.10	8.58		45.21	6.16	57.64	74.00	16.36
	5421.748	42.88	Average	V	34.10	8.58	0.58	45.21	6.16	47.09	54.00	6.91

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 87.53 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	64	37

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5350.559	54.35	Peak	H	34.10	8.58		45.21	6.16	57.98	74.00	16.02
	5351.119	43.44	Average	H	34.10	8.58	0.58	45.21	6.16	47.65	54.00	6.35
	5390.559	53.72	Peak	V	34.10	8.58		45.21	6.16	57.35	74.00	16.65
	5441.888	43.06	Average	V	34.10	8.58	0.58	45.21	6.16	47.27	54.00	6.73

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

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

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

-. 106 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 87.46 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
106	64	53

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5350.140	59.32	Peak	H	34.10	8.58	-	45.21	6.16	62.95	74.00	11.05
	5351.678	43.74	Average	H	34.10	8.58	0.58	45.21	6.16	47.95	54.00	6.05
	5354.196	55.92	Peak	V	34.10	8.58	-	45.21	6.16	59.55	74.00	14.45
	5350.140	43.25	Average	V	34.10	8.58	0.58	45.21	6.16	47.46	54.00	6.54

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 87.46 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	64	61

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5350.140	61.40	Peak	H	34.10	8.58	-	45.21	6.16	65.03	74.00	8.97
	5351.818	44.89	Average	H	34.10	8.58	0.58	45.21	6.16	49.10	54.00	4.90
	5350.420	61.98	Peak	V	34.10	8.58	-	45.21	6.16	65.61	74.00	8.39
	5352.517	43.75	Average	V	34.10	8.58	0.58	45.21	6.16	47.96	54.00	6.04

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 98.49 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	64	-

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5350.839	62.97	Peak	H	34.10	8.58		45.21	6.16	66.60	74.00	7.40
	5350.839	46.53	Average	H	34.10	8.58	0.07	45.21	6.16	50.23	54.00	3.77
	5350.140	62.87	Peak	V	34.10	8.58		45.21	6.16	66.50	74.00	7.50
	5350.559	46.56	Average	V	34.10	8.58	0.07	45.21	6.16	50.26	54.00	3.74

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

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

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

14.5.2 Test data for 802.11 ax(HE40) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.39 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	62	0

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5350.000	58.88	Peak	H	34.10	8.58		45.21	6.16	62.51	74.00	11.49
	5352.098	43.21	Average	H	34.10	8.58	0.44	45.21	6.16	47.28	54.00	6.72
	5353.497	54.94	Peak	V	34.10	8.58		45.21	6.16	58.57	74.00	15.43
	5371.259	42.99	Average	V	34.10	8.58	0.44	45.21	6.16	47.06	54.00	6.94

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 90.39 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	62	37

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5350.979	62.74	Peak	H	34.10	8.58		45.21	6.16	66.37	74.00	7.63
	5354.056	43.72	Average	H	34.10	8.58	0.44	45.21	6.16	47.79	54.00	6.21
	5352.378	60.96	Peak	V	34.10	8.58		45.21	6.16	64.59	74.00	9.41
	5352.797	43.76	Average	V	34.10	8.58	0.44	45.21	6.16	47.83	54.00	6.17

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.41 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	62	53

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5351.538	61.89	Peak	H	34.10	8.58	-	45.21	6.16	65.52	74.00	8.48
	5354.476	44.12	Average	H	34.10	8.58	0.44	45.21	6.16	48.19	54.00	5.81
	5350.000	60.03	Peak	V	34.10	8.58	-	45.21	6.16	63.66	74.00	10.34
	5357.552	43.51	Average	V	34.10	8.58	0.44	45.21	6.16	47.58	54.00	6.42

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 90.41 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	62	61

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5350.000	67.84	Peak	H	34.10	8.58		45.21	6.16	71.47	74.00	2.53
	5350.559	45.85	Average	H	34.10	8.58	0.44	45.21	6.16	49.92	54.00	4.08
	5350.420	64.84	Peak	V	34.10	8.58		45.21	6.16	68.47	74.00	5.53
	5352.098	43.79	Average	V	34.10	8.58	0.44	45.21	6.16	47.86	54.00	6.14

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

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

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

-. 484 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 90.41 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
484	62	65

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5351.119	60.92	Peak	H	34.10	8.58		45.21	6.16	64.55	74.00	9.45
	5350.000	48.32	Average	H	34.10	8.58	0.44	45.21	6.16	52.39	54.00	1.61
	5351.259	59.76	Peak	V	34.10	8.58		45.21	6.16	63.39	74.00	10.61
	5353.916	45.75	Average	V	34.10	8.58	0.44	45.21	6.16	49.82	54.00	4.18

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 97.18 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	62	-

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5353.077	64.38	Peak	H	34.10	8.58		45.21	6.16	68.01	74.00	5.99
	5353.776	48.66	Average	H	34.10	8.58	0.12	45.21	6.16	52.41	54.00	1.59
	5353.916	64.01	Peak	V	34.10	8.58		45.21	6.16	67.64	74.00	6.36
	5352.657	48.69	Average	V	34.10	8.58	0.12	45.21	6.16	52.44	54.00	1.56

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

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

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

14.5.3 Test data for 802.11 ax(HE80) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.19 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	58	0

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5404.126	60.06	Peak	H	34.10	8.58		45.21	6.16	63.69	74.00	10.31
	5404.266	43.46	Average	H	34.10	8.58	0.55	45.21	6.16	47.64	54.00	6.36
	5441.748	54.21	Peak	V	34.10	8.58		45.21	6.16	57.84	74.00	16.16
	5366.643	43.09	Average	V	34.10	8.58	0.55	45.21	6.16	47.27	54.00	6.73

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	58	37

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5438.460	56.03	Peak	H	34.10	8.58	-	45.21	6.16	59.66	74.00	14.34
	5364.126	43.90	Average	H	34.10	8.58	0.55	45.21	6.16	48.08	54.00	5.93
	5358.671	53.92	Peak	V	34.10	8.58	-	45.21	6.16	57.55	74.00	16.45
	5361.049	43.24	Average	V	34.10	8.58	0.55	45.21	6.16	47.42	54.00	6.58

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.21 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	58	53

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5363.566	54.67	Peak	H	34.10	8.58		45.21	6.16	58.30	74.00	15.70
	5359.371	43.84	Average	H	34.10	8.58	0.55	45.21	6.16	48.02	54.00	5.99
	5356.993	54.45	Peak	V	34.10	8.58		45.21	6.16	58.08	74.00	15.92
	5360.909	43.09	Average	V	34.10	8.58	0.55	45.21	6.16	47.27	54.00	6.74

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	58	61

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5378.531	54.68	Peak	H	34.10	8.58		45.21	6.16	58.31	74.00	15.69
	5350.280	43.46	Average	H	34.10	8.58	0.55	45.21	6.16	47.64	54.00	6.36
	5368.322	54.36	Peak	V	34.10	8.58		45.21	6.16	57.99	74.00	16.01
	5381.888	43.10	Average	V	34.10	8.58	0.55	45.21	6.16	47.28	54.00	6.72

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

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

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

-. 484 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
484	58	65

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5354.476	56.26	Peak	H	34.10	8.58		45.21	6.16	59.89	74.00	14.11
	5350.140	44.81	Average	H	34.10	8.58	0.55	45.21	6.16	48.99	54.00	5.02
	5352.238	54.40	Peak	V	34.10	8.58		45.21	6.16	58.03	74.00	15.97
	5351.119	43.59	Average	V	34.10	8.58	0.55	45.21	6.16	47.77	54.00	6.24

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

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

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

-. 996 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
996	58	67

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5364.965	56.36	Peak	H	34.10	8.58		45.21	6.16	59.99	74.00	14.01
	5350.000	44.87	Average	H	34.10	8.58	0.55	45.21	6.16	49.05	54.00	4.96
	5381.329	55.01	Peak	V	34.10	8.58		45.21	6.16	58.64	74.00	15.36
	5356.014	43.84	Average	V	34.10	8.58	0.55	45.21	6.16	48.02	54.00	5.99

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

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

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

Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 94.81 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	58	-

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5383.287	58.50	Peak	H	34.10	8.58		45.21	6.16	62.13	74.00	11.87
	5353.357	47.25	Average	H	34.10	8.58	0.23	45.21	6.16	51.11	54.00	2.89
	5353.636	59.04	Peak	V	34.10	8.58		45.21	6.16	62.67	74.00	11.33
	5352.797	47.31	Average	V	34.10	8.58	0.23	45.21	6.16	51.17	54.00	2.83

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

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

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

14.6 Test data for Frequency UNII-2C

14.6.1 Test data for 802.11 ax(HE20) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.53 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	100	0

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5459.470	58.44	Peak	H	34.10	8.58	-	45.21	6.16	62.07	74.00	11.93
	5416.760	42.65	Average	H	34.10	8.58	0.58	45.21	6.16	46.86	54.00	7.14
	5423.200	53.81	Peak	V	34.10	8.58	-	45.21	6.16	57.44	74.00	16.56
	5410.310	42.53	Average	V	34.10	8.58	0.58	45.21	6.16	46.74	54.00	7.26

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 87.53 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	100	37

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5459.470	55.73	Peak	H	34.10	8.58	-	45.21	6.16	59.36	74.00	14.64
	5456.320	42.61	Average	H	34.10	8.58	0.58	45.21	6.16	46.82	54.00	7.18
	5365.210	53.59	Peak	V	34.10	8.58	-	45.21	6.16	57.22	74.00	16.78
	5355.170	42.47	Average	V	34.10	8.58	0.58	45.21	6.16	46.68	54.00	7.32

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

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

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

-. 106 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 87.46 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
106	100	53

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5454.370	58.93	Peak	H	34.10	8.58	-	45.21	6.16	62.56	74.00	11.44
	5415.560	42.92	Average	H	34.10	8.58	0.58	45.21	6.16	47.13	54.00	6.87
	5418.560	53.70	Peak	V	34.10	8.58	-	45.21	6.16	57.33	74.00	16.67
	5437.290	42.43	Average	V	34.10	8.58	0.58	45.21	6.16	46.64	54.00	7.36

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 87.46 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	100	61

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5456.770	62.90	Peak	H	34.10	8.58	-	45.21	6.16	66.53	74.00	7.47
	5459.620	44.13	Average	H	34.10	8.58	0.58	45.21	6.16	48.34	54.00	5.66
	5459.320	58.42	Peak	V	34.10	8.58	-	45.21	6.16	62.05	74.00	11.95
	5430.690	42.56	Average	V	34.10	8.58	0.58	45.21	6.16	46.77	54.00	7.23

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 98.49 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	100	-

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5459.615	61.73	Peak	H	34.10	8.58	-	45.21	6.16	65.36	74.00	8.64
	5459.016	44.63	Average	H	34.10	8.58	0.07	45.21	6.16	48.33	54.00	5.67
	5458.866	61.00	Peak	V	34.10	8.58	-	45.21	6.16	64.63	74.00	9.37
	5458.417	44.63	Average	V	34.10	8.58	0.07	45.21	6.16	48.33	54.00	5.67

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

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

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

14.6.2 Test data for 802.11 ax(HE40) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.39 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	102	0

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5456.620	54.33	Peak	H	34.10	8.58	-	45.21	6.16	57.96	74.00	16.04
	5456.920	42.69	Average	H	34.10	8.58	0.44	45.21	6.16	46.76	54.00	7.24
	5459.320	54.32	Peak	V	34.10	8.58	-	45.21	6.16	57.95	74.00	16.05
	5428.000	42.60	Average	V	34.10	8.58	0.44	45.21	6.16	46.67	54.00	7.33

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 90.39 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	102	37

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5460.060	56.17	Peak	H	34.10	8.58	-	45.21	6.16	59.80	74.00	14.20
	5459.170	42.91	Average	H	34.10	8.58	0.44	45.21	6.16	46.98	54.00	7.02
	5390.080	53.24	Peak	V	34.10	8.58	-	45.21	6.16	56.87	74.00	17.13
	5450.770	42.62	Average	V	34.10	8.58	0.44	45.21	6.16	46.69	54.00	7.31

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.41 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	102	53

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5457.970	60.98	Peak	H	34.10	8.58	-	45.21	6.16	64.61	74.00	9.39
	5446.430	43.17	Average	H	34.10	8.58	0.44	45.21	6.16	47.24	54.00	6.76
	5458.570	54.87	Peak	V	34.10	8.58	-	45.21	6.16	58.50	74.00	15.50
	5421.700	42.59	Average	V	34.10	8.58	0.44	45.21	6.16	46.66	54.00	7.34

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 90.41 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	102	61

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5458.870	63.08	Peak	H	34.10	8.58	-	45.21	6.16	66.71	74.00	7.29
	5456.620	43.57	Average	H	34.10	8.58	0.44	45.21	6.16	47.64	54.00	6.36
	5459.920	60.64	Peak	V	34.10	8.58	-	45.21	6.16	64.27	74.00	9.73
	5454.520	42.60	Average	V	34.10	8.58	0.44	45.21	6.16	46.67	54.00	7.33

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

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

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

- . 484 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.41 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
484	102	65

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5459.920	57.62	Peak	H	34.10	8.58	-	45.21	6.16	61.25	74.00	12.75
	5459.170	44.40	Average	H	34.10	8.58	0.44	45.21	6.16	48.47	54.00	5.53
	5424.250	53.74	Peak	V	34.10	8.58	-	45.21	6.16	57.37	74.00	16.63
	5457.970	42.60	Average	V	34.10	8.58	0.44	45.21	6.16	46.67	54.00	7.33

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 97.18 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	102	-

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5459.316	62.04	Peak	H	34.10	8.58	-	45.21	6.16	65.67	74.00	8.33
	5458.566	47.74	Average	H	34.10	8.58	0.12	45.21	6.16	51.49	54.00	2.51
	5458.566	62.09	Peak	V	34.10	8.58	-	45.21	6.16	65.72	74.00	8.28
	5458.417	47.74	Average	V	34.10	8.58	0.12	45.21	6.16	51.49	54.00	2.51

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

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

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

14.6.3 Test data for 802.11 ax(HE80) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.19 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	106	0

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5371.650	53.38	Peak	H	34.10	8.58	-	45.21	6.16	57.01	74.00	16.99
	5459.320	42.54	Average	H	34.10	8.58	0.55	45.21	6.16	46.72	54.00	7.28
	5431.290	53.42	Peak	V	34.10	8.58	-	45.21	6.16	57.05	74.00	16.95
	5421.400	42.57	Average	V	34.10	8.58	0.55	45.21	6.16	46.75	54.00	7.25

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	106	37

Channel	Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Low ch.	5389.790	54.24	Peak	H	34.10	8.58	-	45.21	6.16	57.87	74.00	16.13
	5459.020	42.91	Average	H	34.10	8.58	0.55	45.21	6.16	47.09	54.00	6.92
	5416.760	54.82	Peak	V	34.10	8.58	-	45.21	6.16	58.45	74.00	15.55
	5416.910	42.45	Average	V	34.10	8.58	0.55	45.21	6.16	46.63	54.00	7.37

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

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

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

-. 106 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
106	106	53

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5373.600	54.46	Peak	H	34.10	8.58	-	45.21	6.16	58.09	74.00	15.91
	5459.920	42.88	Average	H	34.10	8.58	0.55	45.21	6.16	47.06	54.00	6.94
	5439.090	53.25	Peak	V	34.10	8.58	-	45.21	6.16	56.88	74.00	17.12
	5392.180	42.55	Average	V	34.10	8.58	0.55	45.21	6.16	46.73	54.00	7.27

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	106	61

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5401.770	54.16	Peak	H	34.10	8.58	-	45.21	6.16	57.79	74.00	16.21
	5382.590	42.73	Average	H	34.10	8.58	0.55	45.21	6.16	46.91	54.00	7.10
	5425.000	53.02	Peak	V	34.10	8.58	-	45.21	6.16	56.65	74.00	17.35
	5367.160	42.62	Average	V	34.10	8.58	0.55	45.21	6.16	46.80	54.00	7.21

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

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

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

-. 484 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
484	106	65

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5365.660	54.19	Peak	H	34.10	8.58	-	45.21	6.16	57.82	74.00	16.18
	5425.000	42.79	Average	H	34.10	8.58	0.55	45.21	6.16	46.97	54.00	7.04
	5367.010	53.46	Peak	V	34.10	8.58	-	45.21	6.16	57.09	74.00	16.91
	5457.220	42.32	Average	V	34.10	8.58	0.55	45.21	6.16	46.50	54.00	7.51

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

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

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

-. 996 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
996	106	67

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5455.570	55.57	Peak	H	34.10	8.58	-	45.21	6.16	59.20	74.00	14.80
	5459.920	44.91	Average	H	34.10	8.58	0.55	45.21	6.16	49.09	54.00	4.92
	5378.250	54.12	Peak	V	34.10	8.58	-	45.21	6.16	57.75	74.00	16.25
	5459.770	42.83	Average	V	34.10	8.58	0.55	45.21	6.16	47.01	54.00	6.99

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

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

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

Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 94.81 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	106	-

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5435.789	60.04	Peak	H	34.10	8.58	-	45.21	6.16	63.67	74.00	10.33
	5460.065	46.90	Average	H	34.10	8.58	0.23	45.21	6.16	50.76	54.00	3.24
	5434.890	59.88	Peak	V	34.10	8.58	-	45.21	6.16	63.51	74.00	10.49
	5459.915	46.52	Average	V	34.10	8.58	0.23	45.21	6.16	50.38	54.00	3.62

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

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

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

14.7 Test data for Frequency UNII-3

14.7.1 Test data for 802.11 ax(HE20) WLAN Mode

- . 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.53 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	149	0
	165	8

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5666.160	52.24	Peak	H	34.10	8.71	-	45.31	6.15	55.89	80.16	24.27
	5719.990	53.90	Peak	H	34.10	8.71	-	45.31	6.15	57.55	110.80	53.25
	5720.270	53.92	Peak	H	34.10	8.71	-	45.31	6.15	57.57	111.42	53.85
	5853.400	51.53	Peak	H	34.40	8.91	-	45.19	6.14	55.79	114.45	58.66
	5857.630	52.34	Peak	H	34.40	8.91	-	45.19	6.14	56.60	110.06	53.46
	5885.660	52.70	Peak	H	34.40	8.91	-	45.19	6.14	56.96	97.31	40.35
	5663.110	52.96	Peak	V	34.10	8.71	-	45.31	6.15	56.61	77.90	21.29
	5713.440	52.72	Peak	V	34.10	8.71	-	45.31	6.15	56.37	108.96	52.59
	5723.140	58.45	Peak	V	34.10	8.71	-	45.31	6.15	62.10	117.96	55.86
	5852.300	51.54	Peak	V	34.40	8.91	-	45.19	6.14	55.80	116.96	61.16
	5867.500	53.11	Peak	V	34.40	8.91	-	45.19	6.14	57.37	107.30	49.93
5893.110	53.85	Peak	V	34.40	8.91	-	45.19	6.14	58.11	91.80	33.69	

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5696.780	51.64	Peak	H	34.10	8.71	-	45.31	6.15	55.29	91.21	35.92
	5710.560	51.73	Peak	H	34.10	8.71	-	45.31	6.15	55.38	109.28	53.90
	5724.760	51.73	Peak	H	34.10	8.71	-	45.31	6.15	55.38	117.28	61.90
	5853.430	52.30	Peak	H	34.40	8.91	-	45.19	6.14	56.56	116.34	59.78
	5873.510	52.39	Peak	H	34.40	8.91	-	45.19	6.14	56.65	106.47	49.82
	5883.720	52.27	Peak	H	34.40	8.91	-	45.19	6.14	56.53	79.42	22.89
	5680.540	53.14	Peak	V	34.10	8.71	-	45.31	6.15	56.79	90.80	34.01
	5718.050	53.16	Peak	V	34.10	8.71	-	45.31	6.15	56.81	110.25	53.44
	5722.340	51.50	Peak	V	34.10	8.71	-	45.31	6.15	55.15	116.14	60.99
	5850.760	54.83	Peak	V	34.40	8.91	-	45.19	6.14	59.09	120.47	61.38
	5868.100	53.06	Peak	V	34.40	8.91	-	45.19	6.14	57.32	107.13	49.81
5880.370	53.38	Peak	V	34.40	8.91	-	45.19	6.14	57.64	101.23	43.59	

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 87.53 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	149	37
	165	52

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5693.130	51.71	Peak	H	34.10	8.71	-	45.31	6.15	55.36	100.12	44.76
	5712.980	51.39	Peak	H	34.10	8.71	-	45.31	6.15	55.04	108.83	53.79
	5722.350	55.41	Peak	H	34.10	8.71	-	45.31	6.15	59.06	116.16	57.10
	5853.690	51.41	Peak	H	34.40	8.91	-	45.19	6.14	55.67	113.79	58.12
	5869.380	53.55	Peak	H	34.40	8.91	-	45.19	6.14	57.81	106.77	48.96
	5899.100	51.90	Peak	H	34.40	8.91	-	45.19	6.14	56.16	87.37	31.21
	5675.750	53.78	Peak	V	34.10	8.71	-	45.31	6.15	57.43	87.26	29.83
	5701.530	52.37	Peak	V	34.10	8.71	-	45.31	6.15	56.02	105.63	49.61
	5723.410	51.99	Peak	V	34.10	8.71	-	45.31	6.15	55.64	118.57	62.93
	5851.950	51.72	Peak	V	34.40	8.91	-	45.19	6.14	55.98	117.75	61.77
	5873.970	53.21	Peak	V	34.40	8.91	-	45.19	6.14	57.47	105.49	48.02
5917.180	52.33	Peak	V	34.40	8.91	-	45.19	6.14	56.59	73.99	17.40	

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Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5669.660	51.39	Peak	H	34.10	8.71	-	45.31	6.15	55.04	82.75	27.71
	5701.450	50.87	Peak	H	34.10	8.71	-	45.31	6.15	54.52	105.61	51.09
	5720.800	51.35	Peak	H	34.10	8.71	-	45.31	6.15	55.00	112.62	57.62
	5850.390	52.35	Peak	H	34.40	8.91	-	45.19	6.14	56.61	121.31	64.70
	5867.600	52.93	Peak	H	34.40	8.91	-	45.19	6.14	57.19	107.27	50.08
	5901.250	52.83	Peak	H	34.40	8.91	-	45.19	6.14	57.09	85.78	28.69
	5679.550	52.32	Peak	V	34.10	8.71	-	45.31	6.15	55.97	90.07	34.10
	5709.080	52.28	Peak	V	34.10	8.71	-	45.31	6.15	55.93	107.74	51.81
	5722.870	53.40	Peak	V	34.10	8.71	-	45.31	6.15	57.05	117.34	60.29
	5852.750	53.06	Peak	V	34.40	8.91	-	45.19	6.14	57.32	115.93	58.61
	5862.400	53.42	Peak	V	34.40	8.91	-	45.19	6.14	57.68	108.73	51.05
5878.070	53.13	Peak	V	34.40	8.91	-	45.19	6.14	57.39	102.93	45.54	

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.46 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	149	53
	165	60

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5660.810	52.84	Peak	H	34.10	8.71	-	45.31	6.15	56.49	76.20	19.71
	5711.260	51.42	Peak	H	34.10	8.71	-	45.31	6.15	55.07	108.35	53.28
	5722.360	52.74	Peak	H	34.10	8.71	-	45.31	6.15	56.39	116.18	59.79
	5855.000	51.08	Peak	H	34.40	8.91	-	45.19	6.14	55.34	110.80	55.46
	5873.530	52.59	Peak	H	34.40	8.91	-	45.19	6.14	56.85	105.61	48.76
	5910.140	52.57	Peak	H	34.40	8.91	-	45.19	6.14	56.83	79.20	22.37
	5673.300	52.22	Peak	V	34.10	8.71	-	45.31	6.15	55.87	85.44	29.57
	5712.560	51.95	Peak	V	34.10	8.71	-	45.31	6.15	55.60	108.72	53.12
	5721.320	52.04	Peak	V	34.10	8.71	-	45.31	6.15	55.69	113.81	58.12
	5851.350	50.31	Peak	V	34.40	8.91	-	45.19	6.14	54.57	119.12	64.55
	5869.420	52.44	Peak	V	34.40	8.91	-	45.19	6.14	56.70	106.76	50.06
5882.820	52.90	Peak	V	34.40	8.91	-	45.19	6.14	57.16	99.41	42.25	

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5699.980	51.10	Peak	H	34.10	8.71	-	45.31	6.15	54.75	105.19	50.44
	5705.840	50.96	Peak	H	34.10	8.71	-	45.31	6.15	54.61	106.84	52.23
	5720.000	50.76	Peak	H	34.10	8.71	-	45.31	6.15	54.41	110.80	56.39
	5854.290	52.18	Peak	H	34.40	8.91	-	45.19	6.14	56.44	112.42	55.98
	5868.700	53.04	Peak	H	34.40	8.91	-	45.19	6.14	57.30	106.96	49.66
	5891.360	52.94	Peak	H	34.40	8.91	-	45.19	6.14	57.20	93.09	35.89
	5661.660	52.32	Peak	V	34.10	8.71	-	45.31	6.15	55.97	76.83	20.86
	5712.700	51.77	Peak	V	34.10	8.71	-	45.31	6.15	55.42	108.76	53.34
	5724.850	51.77	Peak	V	34.10	8.71	-	45.31	6.15	55.42	121.86	66.44
	5850.210	52.22	Peak	V	34.40	8.91	-	45.19	6.14	56.48	121.72	65.24
	5869.240	52.86	Peak	V	34.40	8.91	-	45.19	6.14	57.12	106.81	49.69
5909.990	53.06	Peak	V	34.40	8.91	-	45.19	6.14	57.32	79.31	21.99	

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

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

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

- . 242 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 87.46 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
242	149	61
	165	61

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5684.790	51.27	Peak	H	34.10	8.71	-	45.31	6.15	54.92	93.94	39.02
	5709.120	51.64	Peak	H	34.10	8.71	-	45.31	6.15	55.29	107.75	52.46
	5725.000	56.38	Peak	H	34.10	8.71	-	45.31	6.15	60.03	122.20	62.17
	5850.550	50.85	Peak	H	34.40	8.91	-	45.19	6.14	55.11	120.95	65.84
	5870.010	51.88	Peak	H	34.40	8.91	-	45.19	6.14	56.14	106.60	50.46
	5903.800	52.48	Peak	H	34.40	8.91	-	45.19	6.14	56.74	83.89	27.15
	5657.820	51.32	Peak	V	34.10	8.71	-	45.31	6.15	54.97	73.99	19.02
	5719.890	52.05	Peak	V	34.10	8.71	-	45.31	6.15	55.70	110.77	55.07
	5725.000	54.15	Peak	V	34.10	8.71	-	45.31	6.15	57.80	122.20	64.40
	5853.800	51.67	Peak	V	34.40	8.91	-	45.19	6.14	55.93	113.54	57.61
	5859.130	51.19	Peak	V	34.40	8.91	-	45.19	6.14	55.45	109.64	54.19
5897.700	52.15	Peak	V	34.40	8.91	-	45.19	6.14	56.41	88.40	31.99	

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5692.930	52.12	Peak	H	34.10	8.71	-	45.31	6.15	55.77	99.97	44.20
	5703.510	52.43	Peak	H	34.10	8.71	-	45.31	6.15	56.08	106.18	50.10
	5724.830	50.44	Peak	H	34.10	8.71	-	45.31	6.15	54.09	121.81	67.72
	5851.750	52.37	Peak	H	34.40	8.91	-	45.19	6.14	56.63	118.21	61.58
	5855.010	52.31	Peak	H	34.40	8.91	-	45.19	6.14	56.57	110.80	54.23
	5884.370	52.90	Peak	H	34.40	8.91	-	45.19	6.14	57.16	98.27	41.11
	5690.280	51.44	Peak	V	34.10	8.71	-	45.31	6.15	55.09	98.01	42.92
	5706.120	51.26	Peak	V	34.10	8.71	-	45.31	6.15	54.91	106.91	52.00
	5722.540	51.52	Peak	V	34.10	8.71	-	45.31	6.15	55.17	116.59	61.42
	5852.890	52.38	Peak	V	34.40	8.91	-	45.19	6.14	56.64	115.61	58.97
	5868.140	52.20	Peak	V	34.40	8.91	-	45.19	6.14	56.46	107.12	50.66
	5924.230	51.87	Peak	V	34.40	8.91	-	45.19	6.14	56.13	68.77	12.64

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 98.49 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	149	-
	165	-

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5674.300	50.76	Peak	H	34.10	8.71	-	45.31	6.15	54.41	86.18	31.77
	5715.270	52.06	Peak	H	34.10	8.71	-	45.31	6.15	55.71	109.48	53.77
	5723.230	57.69	Peak	H	34.10	8.71	-	45.31	6.15	61.34	118.16	56.82
	5853.500	50.71	Peak	H	34.40	8.91	-	45.19	6.14	54.97	114.22	59.25
	5872.470	52.56	Peak	H	34.40	8.91	-	45.19	6.14	56.82	105.91	49.09
	5893.910	51.95	Peak	H	34.40	8.91	-	45.19	6.14	56.21	91.21	35.00
	5651.670	52.59	Peak	V	34.10	8.71	-	45.31	6.15	56.24	69.44	13.20
	5714.160	53.12	Peak	V	34.10	8.71	-	45.31	6.15	56.77	109.16	52.39
	5725.000	58.33	Peak	V	34.10	8.71	-	45.31	6.15	61.98	122.20	60.22
	5854.030	50.81	Peak	V	34.40	8.91	-	45.19	6.14	55.07	113.01	57.94
	5869.100	52.52	Peak	V	34.40	8.91	-	45.19	6.14	56.78	106.85	50.07
5885.210	52.48	Peak	V	34.40	8.91	-	45.19	6.14	56.74	97.64	40.90	

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Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5668.210	52.67	Peak	H	34.10	8.71	-	45.31	6.15	56.32	81.68	25.36
	5711.740	52.04	Peak	H	34.10	8.71	-	45.31	6.15	55.69	108.49	52.80
	5720.560	51.74	Peak	H	34.10	8.71	-	45.31	6.15	55.39	112.08	56.69
	5850.000	56.08	Peak	H	34.40	8.91	-	45.19	6.14	60.34	122.20	61.86
	5863.080	52.73	Peak	H	34.40	8.91	-	45.19	6.14	56.99	108.54	51.55
	5910.240	52.87	Peak	H	34.40	8.91	-	45.19	6.14	57.13	79.12	21.99
	5695.130	52.28	Peak	V	34.10	8.71	-	45.31	6.15	55.93	101.60	45.67
	5706.240	51.08	Peak	V	34.10	8.71	-	45.31	6.15	54.73	106.95	52.22
	5724.860	51.06	Peak	V	34.10	8.71	-	45.31	6.15	54.71	121.88	67.17
	5850.580	51.73	Peak	V	34.40	8.91	-	45.19	6.14	55.99	120.88	64.89
	5867.920	53.43	Peak	V	34.40	8.91	-	45.19	6.14	57.69	107.18	49.49
5902.200	52.82	Peak	V	34.40	8.91	-	45.19	6.14	57.08	85.07	27.99	

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

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

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

14.7.2 Test data for 802.11 ax(HE40) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.39 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	151	0
	159	17

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5698.680	58.36	Peak	H	34.10	8.71	-	45.31	6.15	62.01	104.22	42.21
	5719.910	65.12	Peak	H	34.10	8.71	-	45.31	6.15	68.77	110.77	42.00
	5724.100	67.78	Peak	H	34.10	8.71	-	45.31	6.15	71.43	120.15	48.72
	5851.350	54.36	Peak	H	34.40	8.91	-	45.19	6.14	58.62	119.12	60.50
	5857.090	54.46	Peak	H	34.40	8.91	-	45.19	6.14	58.72	110.21	51.49
	5903.800	53.58	Peak	H	34.40	8.91	-	45.19	6.14	57.84	83.89	26.05
	5695.780	56.62	Peak	V	34.10	8.71	-	45.31	6.15	60.27	102.08	41.81
	5717.610	63.41	Peak	V	34.10	8.71	-	45.31	6.15	67.06	110.13	43.07
	5724.080	66.43	Peak	V	34.10	8.71	-	45.31	6.15	70.08	120.10	50.02
	5852.540	54.05	Peak	V	34.40	8.91	-	45.19	6.14	58.31	116.41	58.10
	5865.840	54.61	Peak	V	34.40	8.91	-	45.19	6.14	58.87	107.76	48.89
5898.550	53.58	Peak	V	34.40	8.91	-	45.19	6.14	57.84	87.77	29.93	

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5661.760	53.93	Peak	H	34.10	8.71	-	45.31	6.15	57.58	76.90	19.32
	5703.610	54.49	Peak	H	34.10	8.71	-	45.31	6.15	58.14	106.21	48.07
	5720.390	54.07	Peak	H	34.10	8.71	-	45.31	6.15	57.72	111.69	53.97
	5853.330	54.96	Peak	H	34.40	8.91	-	45.19	6.14	59.22	114.61	55.39
	5868.420	54.46	Peak	H	34.40	8.91	-	45.19	6.14	58.72	107.04	48.32
	5909.340	54.08	Peak	H	34.40	8.91	-	45.19	6.14	58.34	79.79	21.45
	5663.210	53.81	Peak	V	34.10	8.71	-	45.31	6.15	57.46	77.98	20.52
	5706.720	53.68	Peak	V	34.10	8.71	-	45.31	6.15	57.33	107.08	49.75
	5723.930	54.86	Peak	V	34.10	8.71	-	45.31	6.15	58.51	119.76	61.25
	5851.350	54.84	Peak	V	34.40	8.91	-	45.19	6.14	59.10	119.12	60.02
	5865.480	53.91	Peak	V	34.40	8.91	-	45.19	6.14	58.17	107.87	49.70
	5917.730	54.36	Peak	V	34.40	8.91	-	45.19	6.14	58.62	73.58	14.96

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

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

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

- . 52 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.39 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
52	151	37
	159	44

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5698.580	57.52	Peak	H	34.10	8.71	-	45.31	6.15	61.17	104.15	42.98
	5719.910	64.99	Peak	H	34.10	8.71	-	45.31	6.15	68.64	110.77	42.13
	5724.400	67.71	Peak	H	34.10	8.71	-	45.31	6.15	71.36	120.83	49.47
	5852.080	54.18	Peak	H	34.40	8.91	-	45.19	6.14	58.44	117.46	59.02
	5862.740	54.90	Peak	H	34.40	8.91	-	45.19	6.14	59.16	108.63	49.47
	5879.820	54.14	Peak	H	34.40	8.91	-	45.19	6.14	58.40	101.63	43.23
	5699.230	57.22	Peak	V	34.10	8.71	-	45.31	6.15	60.87	104.63	43.76
	5719.330	63.19	Peak	V	34.10	8.71	-	45.31	6.15	66.84	110.61	43.77
	5724.940	65.55	Peak	V	34.10	8.71	-	45.31	6.15	69.20	122.06	52.86
	5850.610	54.13	Peak	V	34.40	8.91	-	45.19	6.14	58.39	120.81	62.42
	5856.090	54.45	Peak	V	34.40	8.91	-	45.19	6.14	58.71	110.49	51.78
5897.700	53.82	Peak	V	34.40	8.91	-	45.19	6.14	58.08	88.40	30.32	

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5698.330	54.35	Peak	H	34.10	8.71	-	45.31	6.15	58.00	103.96	45.96
	5708.800	55.41	Peak	H	34.10	8.71	-	45.31	6.15	59.06	107.66	48.60
	5720.550	54.96	Peak	H	34.10	8.71	-	45.31	6.15	58.61	112.05	53.44
	5850.760	59.59	Peak	H	34.40	8.91	-	45.19	6.14	63.85	120.47	56.62
	5857.430	57.63	Peak	H	34.40	8.91	-	45.19	6.14	61.89	110.12	48.23
	5879.570	54.75	Peak	H	34.40	8.91	-	45.19	6.14	59.01	101.82	42.81
	5688.490	53.91	Peak	V	34.10	8.71	-	45.31	6.15	57.56	96.68	39.12
	5711.140	54.05	Peak	V	34.10	8.71	-	45.31	6.15	57.70	108.32	50.62
	5720.580	55.83	Peak	V	34.10	8.71	-	45.31	6.15	59.48	112.12	52.64
	5850.570	57.30	Peak	V	34.40	8.91	-	45.19	6.14	61.56	120.90	59.34
	5856.470	56.87	Peak	V	34.40	8.91	-	45.19	6.14	61.13	110.39	49.26
5876.470	53.77	Peak	V	34.40	8.91	-	45.19	6.14	58.03	104.11	46.08	

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 90.41 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	151	53
	159	56

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5698.630	59.82	Peak	H	34.10	8.71	-	45.31	6.15	63.47	104.19	40.72
	5719.190	66.00	Peak	H	34.10	8.71	-	45.31	6.15	69.65	110.57	40.92
	5723.570	67.89	Peak	H	34.10	8.71	-	45.31	6.15	71.54	118.94	47.40
	5853.550	54.37	Peak	H	34.40	8.91	-	45.19	6.14	58.63	114.11	55.48
	5867.880	54.67	Peak	H	34.40	8.91	-	45.19	6.14	58.93	107.19	48.26
	5878.070	54.79	Peak	H	34.40	8.91	-	45.19	6.14	59.05	102.93	43.88
	5698.330	58.94	Peak	V	34.10	8.71	-	45.31	6.15	62.59	103.96	41.37
	5717.570	65.31	Peak	V	34.10	8.71	-	45.31	6.15	68.96	110.12	41.16
	5724.390	67.61	Peak	V	34.10	8.71	-	45.31	6.15	71.26	120.81	49.55
	5850.940	54.25	Peak	V	34.40	8.91	-	45.19	6.14	58.51	120.06	61.55
	5867.800	53.95	Peak	V	34.40	8.91	-	45.19	6.14	58.21	107.22	49.01
5921.830	54.16	Peak	V	34.40	8.91	-	45.19	6.14	58.42	70.55	12.13	

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5683.840	53.49	Peak	H	34.10	8.71	-	45.31	6.15	57.14	93.24	36.10
	5719.270	55.26	Peak	H	34.10	8.71	-	45.31	6.15	58.91	110.60	51.69
	5720.570	55.24	Peak	H	34.10	8.71	-	45.31	6.15	58.89	112.10	53.21
	5852.590	58.58	Peak	H	34.40	8.91	-	45.19	6.14	62.84	116.29	53.45
	5863.880	56.53	Peak	H	34.40	8.91	-	45.19	6.14	60.79	108.31	47.52
	5911.140	54.67	Peak	H	34.40	8.91	-	45.19	6.14	58.93	78.46	19.53
	5668.610	53.36	Peak	V	34.10	8.71	-	45.31	6.15	57.01	81.97	24.96
	5715.390	54.84	Peak	V	34.10	8.71	-	45.31	6.15	58.49	109.51	51.02
	5721.000	55.22	Peak	V	34.10	8.71	-	45.31	6.15	58.87	113.08	54.21
	5854.530	56.99	Peak	V	34.40	8.91	-	45.19	6.14	61.25	111.87	50.62
	5856.310	56.12	Peak	V	34.40	8.91	-	45.19	6.14	60.38	110.43	50.05
5919.780	54.26	Peak	V	34.40	8.91	-	45.19	6.14	58.52	72.06	13.54	

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

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

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

-. 242 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 90.41 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
242	151	61
	159	62

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5697.480	60.40	Peak	H	34.10	8.71	-	45.31	6.15	64.05	103.34	39.29
	5715.990	67.20	Peak	H	34.10	8.71	-	45.31	6.15	70.85	109.68	38.83
	5724.990	71.97	Peak	H	34.10	8.71	-	45.31	6.15	75.62	122.18	46.56
	5850.320	54.23	Peak	H	34.40	8.91	-	45.19	6.14	58.49	121.47	62.98
	5862.660	54.30	Peak	H	34.40	8.91	-	45.19	6.14	58.56	108.66	50.10
	5906.640	54.60	Peak	H	34.40	8.91	-	45.19	6.14	58.86	81.79	22.93
	5699.430	60.48	Peak	V	34.10	8.71	-	45.31	6.15	64.13	104.78	40.65
	5719.670	68.32	Peak	V	34.10	8.71	-	45.31	6.15	71.97	110.71	38.74
	5724.690	71.11	Peak	V	34.10	8.71	-	45.31	6.15	74.76	121.49	46.73
	5851.800	54.00	Peak	V	34.40	8.91	-	45.19	6.14	58.26	118.10	59.84
	5864.180	53.80	Peak	V	34.40	8.91	-	45.19	6.14	58.06	108.23	50.17
	5878.820	54.08	Peak	V	34.40	8.91	-	45.19	6.14	58.34	102.37	44.03

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OTC-TRF-RF-001(0)

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5699.080	56.78	Peak	H	34.10	8.71	-	45.31	6.15	60.43	104.52	44.09
	5714.080	59.55	Peak	H	34.10	8.71	-	45.31	6.15	63.20	109.14	45.94
	5724.600	60.16	Peak	H	34.10	8.71	-	45.31	6.15	63.81	121.29	57.48
	5851.130	62.19	Peak	H	34.40	8.91	-	45.19	6.14	66.45	119.62	53.17
	5856.290	60.66	Peak	H	34.40	8.91	-	45.19	6.14	64.92	110.44	45.52
	5885.560	55.22	Peak	H	34.40	8.91	-	45.19	6.14	59.48	97.39	37.91
	5695.630	55.71	Peak	V	34.10	8.71	-	45.31	6.15	59.36	101.97	42.61
	5718.910	57.59	Peak	V	34.10	8.71	-	45.31	6.15	61.24	110.49	49.25
	5720.950	58.94	Peak	V	34.10	8.71	-	45.31	6.15	62.59	112.97	50.38
	5850.830	60.79	Peak	V	34.40	8.91	-	45.19	6.14	65.05	120.31	55.26
	5855.650	58.85	Peak	V	34.40	8.91	-	45.19	6.14	63.11	110.62	47.51
	5875.920	55.78	Peak	V	34.40	8.91	-	45.19	6.14	60.04	104.52	44.48

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

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

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

-. 484 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 90.41 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
484	151	65
	159	65

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5678.900	54.03	Peak	H	34.10	8.71	-	45.31	6.15	57.68	89.59	31.91
	5718.970	64.90	Peak	H	34.10	8.71	-	45.31	6.15	68.55	110.51	41.96
	5724.130	64.11	Peak	H	34.10	8.71	-	45.31	6.15	67.76	120.22	52.46
	5850.530	54.17	Peak	H	34.40	8.91	-	45.19	6.14	58.43	120.99	62.56
	5872.830	53.85	Peak	H	34.40	8.91	-	45.19	6.14	58.11	105.81	47.70
	5886.310	54.08	Peak	H	34.40	8.91	-	45.19	6.14	58.34	96.83	38.49
	5698.080	54.47	Peak	V	34.10	8.71	-	45.31	6.15	58.12	103.78	45.66
	5719.850	60.60	Peak	V	34.10	8.71	-	45.31	6.15	64.25	110.76	46.51
	5722.860	60.50	Peak	V	34.10	8.71	-	45.31	6.15	64.15	117.32	53.17
	5853.960	54.01	Peak	V	34.40	8.91	-	45.19	6.14	58.27	113.17	54.90
	5867.600	53.96	Peak	V	34.40	8.91	-	45.19	6.14	58.22	107.27	49.05
5904.500	53.56	Peak	V	34.40	8.91	-	45.19	6.14	57.82	83.37	25.55	

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OTC-TRF-RF-001(0)

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5676.200	53.52	Peak	H	34.10	8.71	-	45.31	6.15	57.17	87.59	30.42
	5708.980	54.61	Peak	H	34.10	8.71	-	45.31	6.15	58.26	107.71	49.45
	5721.980	55.28	Peak	H	34.10	8.71	-	45.31	6.15	58.93	115.31	56.38
	5850.280	57.56	Peak	H	34.40	8.91	-	45.19	6.14	61.82	121.56	59.74
	5856.850	54.93	Peak	H	34.40	8.91	-	45.19	6.14	59.19	110.28	51.09
	5907.690	54.27	Peak	H	34.40	8.91	-	45.19	6.14	58.53	81.01	22.48
	5673.700	53.46	Peak	V	34.10	8.71	-	45.31	6.15	57.11	85.74	28.63
	5717.050	54.17	Peak	V	34.10	8.71	-	45.31	6.15	57.82	109.97	52.15
	5724.760	54.19	Peak	V	34.10	8.71	-	45.31	6.15	57.84	121.65	63.81
	5853.920	55.62	Peak	V	34.40	8.91	-	45.19	6.14	59.88	113.26	53.38
	5856.610	54.61	Peak	V	34.40	8.91	-	45.19	6.14	58.87	110.35	51.48
5881.920	54.50	Peak	V	34.40	8.91	-	45.19	6.14	58.76	100.08	41.32	

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

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

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

-. Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 97.18 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	151	-
	159	-

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5693.630	56.12	Peak	H	34.10	8.71	-	45.31	6.15	59.77	100.49	40.72
	5719.050	66.26	Peak	H	34.10	8.71	-	45.31	6.15	69.91	110.53	40.62
	5723.940	69.41	Peak	H	34.10	8.71	-	45.31	6.15	73.06	119.78	46.72
	5850.420	53.96	Peak	H	34.40	8.91	-	45.19	6.14	58.22	121.24	63.02
	5858.450	54.23	Peak	H	34.40	8.91	-	45.19	6.14	58.49	109.83	51.34
	5902.700	54.13	Peak	H	34.40	8.91	-	45.19	6.14	58.39	84.70	26.31
	5696.780	56.60	Peak	V	34.10	8.71	-	45.31	6.15	60.25	102.82	42.57
	5715.690	65.77	Peak	V	34.10	8.71	-	45.31	6.15	69.42	109.59	40.17
	5724.390	66.92	Peak	V	34.10	8.71	-	45.31	6.15	70.57	120.81	50.24
	5853.340	53.89	Peak	V	34.40	8.91	-	45.19	6.14	58.15	114.58	56.43
	5871.050	54.25	Peak	V	34.40	8.91	-	45.19	6.14	58.51	106.31	47.80
5876.620	54.73	Peak	V	34.40	8.91	-	45.19	6.14	58.99	104.00	45.01	

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OTC-TRF-RF-001(0)

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
High ch.	5670.450	53.36	Peak	H	34.10	8.71	-	45.31	6.15	57.01	83.33	26.32
	5717.190	53.55	Peak	H	34.10	8.71	-	45.31	6.15	57.20	110.01	52.81
	5724.890	55.41	Peak	H	34.10	8.71	-	45.31	6.15	59.06	121.95	62.89
	5854.450	56.77	Peak	H	34.40	8.91	-	45.19	6.14	61.03	112.05	51.02
	5855.150	54.58	Peak	H	34.40	8.91	-	45.19	6.14	58.84	110.76	51.92
	5899.800	53.84	Peak	H	34.40	8.91	-	45.19	6.14	58.10	86.85	28.75
	5691.930	54.05	Peak	V	34.10	8.71	-	45.31	6.15	57.70	99.23	41.53
	5713.320	54.53	Peak	V	34.10	8.71	-	45.31	6.15	58.18	108.93	50.75
	5723.890	54.22	Peak	V	34.10	8.71	-	45.31	6.15	57.87	119.67	61.80
	5850.580	55.28	Peak	V	34.40	8.91	-	45.19	6.14	59.54	120.88	61.34
	5856.410	53.93	Peak	V	34.40	8.91	-	45.19	6.14	58.19	110.41	52.22
5882.420	53.62	Peak	V	34.40	8.91	-	45.19	6.14	57.88	99.71	41.83	

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

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

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

14.7.3 Test data for 802.11 ax(HE80) WLAN Mode

-. 26 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.19 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
26	155	0
	165	36

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
RU index [0].	5666.760	54.99	Peak	H	34.10	8.71	-	45.31	6.15	58.64	80.60	21.96
	5700.730	53.76	Peak	H	34.10	8.71	-	45.31	6.15	57.41	105.40	47.99
	5724.990	55.91	Peak	H	34.10	8.71	-	45.31	6.15	59.56	122.18	62.62
	5853.360	54.56	Peak	H	34.40	8.91	-	45.19	6.14	58.82	114.54	55.72
	5862.480	54.25	Peak	H	34.40	8.91	-	45.19	6.14	58.51	108.71	50.20
	5884.870	53.92	Peak	H	34.40	8.91	-	45.19	6.14	58.18	97.90	39.72
	5660.260	54.90	Peak	V	34.10	8.71	-	45.31	6.15	58.55	75.79	17.24
	5718.630	54.12	Peak	V	34.10	8.71	-	45.31	6.15	57.77	110.42	52.65
	5723.180	55.15	Peak	V	34.10	8.71	-	45.31	6.15	58.80	118.05	59.25
	5850.750	54.36	Peak	V	34.40	8.91	-	45.19	6.14	58.62	120.49	61.87
	5869.480	54.19	Peak	V	34.40	8.91	-	45.19	6.14	58.45	106.75	48.30
5895.900	53.99	Peak	V	34.40	8.91	-	45.19	6.14	58.25	89.73	31.48	

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
RU index [36]	5668.560	54.16	Peak	H	34.10	8.71	-	45.31	6.15	57.81	81.93	24.12
	5708.980	53.78	Peak	H	34.10	8.71	-	45.31	6.15	57.43	107.71	50.28
	5723.580	54.92	Peak	H	34.10	8.71	-	45.31	6.15	58.57	118.96	60.39
	5852.880	54.16	Peak	H	34.40	8.91	-	45.19	6.14	58.42	115.63	57.21
	5874.930	54.31	Peak	H	34.40	8.91	-	45.19	6.14	58.57	105.22	46.65
	5902.800	54.73	Peak	H	34.40	8.91	-	45.19	6.14	58.99	84.63	25.64
	5692.280	54.76	Peak	V	34.10	8.71	-	45.31	6.15	58.41	99.49	41.08
	5704.910	54.59	Peak	V	34.10	8.71	-	45.31	6.15	58.24	106.57	48.33
	5724.050	55.07	Peak	V	34.10	8.71	-	45.31	6.15	58.72	120.03	61.31
	5850.280	54.75	Peak	V	34.40	8.91	-	45.19	6.14	59.01	121.56	62.55
	5872.770	54.90	Peak	V	34.40	8.91	-	45.19	6.14	59.16	105.82	46.66
	5879.720	54.42	Peak	V	34.40	8.91	-	45.19	6.14	58.68	101.71	43.03

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

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

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

-. 52 Tone

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 88.21 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
52	155	37
		52

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
RU index [37]	5671.100	54.02	Peak	H	34.10	8.71	-	45.31	6.15	57.67	83.81	26.14
	5709.060	54.15	Peak	H	34.10	8.71	-	45.31	6.15	57.80	107.74	49.94
	5722.920	54.94	Peak	H	34.10	8.71	-	45.31	6.15	58.59	117.46	58.87
	5852.090	54.21	Peak	H	34.40	8.91	-	45.19	6.14	58.47	117.43	58.96
	5861.740	54.56	Peak	H	34.40	8.91	-	45.19	6.14	58.82	108.91	50.09
	5889.260	55.60	Peak	H	34.40	8.91	-	45.19	6.14	59.86	94.65	34.79
	5682.690	53.81	Peak	V	34.10	8.71	-	45.31	6.15	57.46	92.39	34.93
	5706.220	54.03	Peak	V	34.10	8.71	-	45.31	6.15	57.68	106.94	49.26
	5724.850	56.50	Peak	V	34.10	8.71	-	45.31	6.15	60.15	121.86	61.71
	5852.650	54.31	Peak	V	34.40	8.91	-	45.19	6.14	58.57	116.16	57.59
	5864.640	54.42	Peak	V	34.40	8.91	-	45.19	6.14	58.68	108.10	49.42
	5912.440	54.19	Peak	V	34.40	8.91	-	45.19	6.14	58.45	77.49	19.04

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
RU index [52]	5692.780	53.63	Peak	H	34.10	8.71	-	45.31	6.15	57.28	99.86	42.58
	5705.460	53.46	Peak	H	34.10	8.71	-	45.31	6.15	57.11	106.73	49.62
	5723.300	53.80	Peak	H	34.10	8.71	-	45.31	6.15	57.45	118.32	60.87
	5852.660	54.26	Peak	H	34.40	8.91	-	45.19	6.14	58.52	116.14	57.62
	5868.580	54.18	Peak	H	34.40	8.91	-	45.19	6.14	58.44	107.00	48.56
	5887.860	55.40	Peak	H	34.40	8.91	-	45.19	6.14	59.66	95.68	36.02
	5697.780	54.84	Peak	V	34.10	8.71	-	45.31	6.15	58.49	103.56	45.07
	5702.510	54.32	Peak	V	34.10	8.71	-	45.31	6.15	57.97	105.90	47.93
	5722.670	53.87	Peak	V	34.10	8.71	-	45.31	6.15	57.52	116.89	59.37
	5850.780	53.89	Peak	V	34.40	8.91	-	45.19	6.14	58.15	120.42	62.27
	5855.850	53.66	Peak	V	34.40	8.91	-	45.19	6.14	57.92	110.56	52.64
	5919.280	54.40	Peak	V	34.40	8.91	-	45.19	6.14	58.66	72.43	13.77

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

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

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

- . 106 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.21 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
106	155	53
		60

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
RU index [53]	5674.200	54.21	Peak	H	34.10	8.71	-	45.31	6.15	57.86	86.11	28.25
	5713.120	54.51	Peak	H	34.10	8.71	-	45.31	6.15	58.16	108.87	50.71
	5724.630	56.00	Peak	H	34.10	8.71	-	45.31	6.15	59.65	121.36	61.71
	5851.910	55.10	Peak	H	34.40	8.91	-	45.19	6.14	59.36	117.85	58.49
	5871.470	54.27	Peak	H	34.40	8.91	-	45.19	6.14	58.53	106.19	47.66
	5880.120	53.65	Peak	H	34.40	8.91	-	45.19	6.14	57.91	101.41	43.50
	5682.840	54.15	Peak	V	34.10	8.71	-	45.31	6.15	57.80	92.50	34.70
	5706.080	54.21	Peak	V	34.10	8.71	-	45.31	6.15	57.86	106.90	49.04
	5720.440	54.76	Peak	V	34.10	8.71	-	45.31	6.15	58.41	111.80	53.39
	5853.070	54.99	Peak	V	34.40	8.91	-	45.19	6.14	59.25	115.20	55.95
	5867.200	54.45	Peak	V	34.40	8.91	-	45.19	6.14	58.71	107.38	48.67
	5921.530	54.36	Peak	V	34.40	8.91	-	45.19	6.14	58.62	70.77	12.15

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Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
RU index [60]	5679.150	54.07	Peak	H	34.10	8.71	-	45.31	6.15	57.72	89.77	32.05
	5716.310	53.68	Peak	H	34.10	8.71	-	45.31	6.15	57.33	109.77	52.44
	5722.560	53.78	Peak	H	34.10	8.71	-	45.31	6.15	57.43	116.64	59.21
	5853.150	54.04	Peak	H	34.40	8.91	-	45.19	6.14	58.30	115.02	56.72
	5865.600	54.11	Peak	H	34.40	8.91	-	45.19	6.14	58.37	107.83	49.46
	5882.320	54.28	Peak	H	34.40	8.91	-	45.19	6.14	58.54	99.78	41.24
	5669.060	54.18	Peak	V	34.10	8.71	-	45.31	6.15	57.83	82.30	24.47
	5708.960	54.26	Peak	V	34.10	8.71	-	45.31	6.15	57.91	107.71	49.80
	5723.150	54.85	Peak	V	34.10	8.71	-	45.31	6.15	58.50	117.98	59.48
	5851.630	54.87	Peak	V	34.40	8.91	-	45.19	6.14	59.13	118.48	59.35
	5865.580	54.53	Peak	V	34.40	8.91	-	45.19	6.14	58.79	107.84	49.05
5892.460	54.51	Peak	V	34.40	8.91	-	45.19	6.14	58.77	92.28	33.51	

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

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

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

- . 242 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.21 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
242	155	61
		64

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
RU index [61]	5654.720	53.79	Peak	H	34.10	8.71	-	45.31	6.15	57.44	71.69	14.25
	5719.490	54.99	Peak	H	34.10	8.71	-	45.31	6.15	58.64	110.66	52.02
	5724.860	61.41	Peak	H	34.10	8.71	-	45.31	6.15	65.06	121.88	56.82
	5851.790	54.27	Peak	H	34.40	8.91	-	45.19	6.14	58.53	118.12	59.59
	5865.180	54.25	Peak	H	34.40	8.91	-	45.19	6.14	58.51	107.95	49.44
	5899.050	54.30	Peak	H	34.40	8.91	-	45.19	6.14	58.56	87.40	28.84
	5677.950	54.20	Peak	V	34.10	8.71	-	45.31	6.15	57.85	88.88	31.03
	5703.310	54.47	Peak	V	34.10	8.71	-	45.31	6.15	58.12	106.13	48.01
	5725.000	59.09	Peak	V	34.10	8.71	-	45.31	6.15	62.74	122.20	59.46
	5854.790	54.38	Peak	V	34.40	8.91	-	45.19	6.14	58.64	111.28	52.64
	5869.060	54.41	Peak	V	34.40	8.91	-	45.19	6.14	58.67	106.86	48.19
	5914.940	54.01	Peak	V	34.40	8.91	-	45.19	6.14	58.27	75.64	17.37

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Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
RU index [64]	5694.530	53.68	Peak	H	34.10	8.71	-	45.31	6.15	57.33	101.15	43.82
	5708.020	53.85	Peak	H	34.10	8.71	-	45.31	6.15	57.50	107.45	49.95
	5724.940	57.90	Peak	H	34.10	8.71	-	45.31	6.15	61.55	122.06	60.51
	5851.920	54.08	Peak	H	34.40	8.91	-	45.19	6.14	58.34	117.82	59.48
	5867.160	55.07	Peak	H	34.40	8.91	-	45.19	6.14	59.33	107.40	48.07
	5913.540	54.52	Peak	H	34.40	8.91	-	45.19	6.14	58.78	76.68	17.90
	5688.940	53.88	Peak	V	34.10	8.71	-	45.31	6.15	57.53	97.02	39.49
	5716.990	54.30	Peak	V	34.10	8.71	-	45.31	6.15	57.95	109.96	52.01
	5724.570	55.57	Peak	V	34.10	8.71	-	45.31	6.15	59.22	121.22	62.00
	5851.900	53.77	Peak	V	34.40	8.91	-	45.19	6.14	58.03	117.87	59.84
	5870.630	54.21	Peak	V	34.40	8.91	-	45.19	6.14	58.47	106.42	47.95
5912.990	53.98	Peak	V	34.40	8.91	-	45.19	6.14	58.24	77.09	18.85	

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

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

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

- . 484 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.21 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
484	155	65
		66

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
RU index [65]	5656.820	53.66	Peak	H	34.10	8.71	-	45.31	6.15	57.31	73.25	15.94
	5717.730	59.96	Peak	H	34.10	8.71	-	45.31	6.15	63.61	110.16	46.55
	5721.050	66.00	Peak	H	34.10	8.71	-	45.31	6.15	69.65	113.19	43.54
	5854.120	54.43	Peak	H	34.40	8.91	-	45.19	6.14	58.69	112.81	54.12
	5856.850	53.83	Peak	H	34.40	8.91	-	45.19	6.14	58.09	110.28	52.19
	5881.020	54.90	Peak	H	34.40	8.91	-	45.19	6.14	59.16	100.75	41.59
	5664.910	53.70	Peak	V	34.10	8.71	-	45.31	6.15	57.35	79.23	21.88
	5719.570	57.22	Peak	V	34.10	8.71	-	45.31	6.15	60.87	110.68	49.81
	5721.350	60.21	Peak	V	34.10	8.71	-	45.31	6.15	63.86	113.88	50.02
	5853.560	54.31	Peak	V	34.40	8.91	-	45.19	6.14	58.57	114.08	55.51
	5864.180	54.15	Peak	V	34.40	8.91	-	45.19	6.14	58.41	108.23	49.82
	5884.170	54.95	Peak	V	34.40	8.91	-	45.19	6.14	59.21	98.41	39.20

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Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
RU index [66]	5698.480	54.34	Peak	H	34.10	8.71	-	45.31	6.15	57.99	104.08	46.09
	5701.850	53.83	Peak	H	34.10	8.71	-	45.31	6.15	57.48	105.72	48.24
	5724.070	56.32	Peak	H	34.10	8.71	-	45.31	6.15	59.97	120.08	60.11
	5853.260	54.68	Peak	H	34.40	8.91	-	45.19	6.14	58.94	114.77	55.83
	5860.780	55.11	Peak	H	34.40	8.91	-	45.19	6.14	59.37	109.18	49.81
	5895.400	54.28	Peak	H	34.40	8.91	-	45.19	6.14	58.54	90.10	31.56
	5699.430	53.76	Peak	V	34.10	8.71	-	45.31	6.15	57.41	104.78	47.37
	5702.390	54.50	Peak	V	34.10	8.71	-	45.31	6.15	58.15	105.87	47.72
	5723.800	54.49	Peak	V	34.10	8.71	-	45.31	6.15	58.14	119.46	61.32
	5851.700	54.07	Peak	V	34.40	8.91	-	45.19	6.14	58.33	118.32	59.99
	5855.350	53.95	Peak	V	34.40	8.91	-	45.19	6.14	58.21	110.70	52.49
	5882.020	54.47	Peak	V	34.40	8.91	-	45.19	6.14	58.73	100.01	41.28

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

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

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

-. 996 Tone

- . Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 40 GHz
- . Measurement distance : 3 m
- . Duty Cycle : 88.21 %
- . Operating mode : Transmitting mode

Tone	Channel	RU Index
996	155	67

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
RU index [67]	5694.230	55.00	Peak	H	34.10	8.71	-	45.31	6.15	58.65	100.93	42.28
	5719.890	57.02	Peak	H	34.10	8.71	-	45.31	6.15	60.67	110.77	50.10
	5722.590	58.84	Peak	H	34.10	8.71	-	45.31	6.15	62.49	116.71	54.22
	5851.870	56.46	Peak	H	34.40	8.91	-	45.19	6.14	60.72	117.94	57.22
	5860.260	56.49	Peak	H	34.40	8.91	-	45.19	6.14	60.75	109.33	48.58
	5905.140	54.30	Peak	H	34.40	8.91	-	45.19	6.14	58.56	82.90	24.34
	5679.450	54.79	Peak	V	34.10	8.71	-	45.31	6.15	58.44	89.99	31.55
	5712.160	55.96	Peak	V	34.10	8.71	-	45.31	6.15	59.61	108.60	48.99
	5721.170	58.46	Peak	V	34.10	8.71	-	45.31	6.15	62.11	113.47	51.36
	5852.870	56.06	Peak	V	34.40	8.91	-	45.19	6.14	60.32	115.66	55.34
	5861.980	54.96	Peak	V	34.40	8.91	-	45.19	6.14	59.22	108.85	49.63
5924.280	54.24	Peak	V	34.40	8.91	-	45.19	6.14	58.50	68.73	10.23	

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

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

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

Single User

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 40 GHz
- Measurement distance : 3 m
- Duty Cycle : 94.81 %
- Operating mode : Transmitting mode

Tone	Channel	RU Index
SU	155	-

Channel	Frequency (MHz)	Reading (dBuV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Duty Factor (dB)	AMP Factor	ATT Factor (dB)	Total (dBuV/m)	Limits (dBuV/m)	Margin (dB)
Low ch.	5698.780	61.52	Peak	H	34.10	8.71	-	45.31	6.15	65.17	104.30	39.13
	5701.810	63.03	Peak	H	34.10	8.71	-	45.31	6.15	66.68	105.71	39.03
	5722.010	65.74	Peak	H	34.10	8.71	-	45.31	6.15	69.39	115.38	45.99
	5852.240	61.24	Peak	H	34.40	8.91	-	45.19	6.14	65.50	117.09	51.59
	5864.300	61.27	Peak	H	34.40	8.91	-	45.19	6.14	65.53	108.20	42.67
	5875.170	54.46	Peak	H	34.40	8.91	-	45.19	6.14	58.72	105.07	46.35
	5679.700	61.23	Peak	V	34.10	8.71	-	45.31	6.15	64.88	90.18	25.30
	5719.530	63.59	Peak	V	34.10	8.71	-	45.31	6.15	67.24	110.67	43.43
	5722.220	53.19	Peak	V	34.10	8.71	-	45.31	6.15	56.84	115.86	59.02
	5854.540	58.26	Peak	V	34.40	8.91	-	45.19	6.14	62.52	111.85	49.33
	5862.420	58.38	Peak	V	34.40	8.91	-	45.19	6.14	62.64	108.72	46.08
5880.420	54.33	Peak	V	34.40	8.91	-	45.19	6.14	58.59	101.19	42.60	

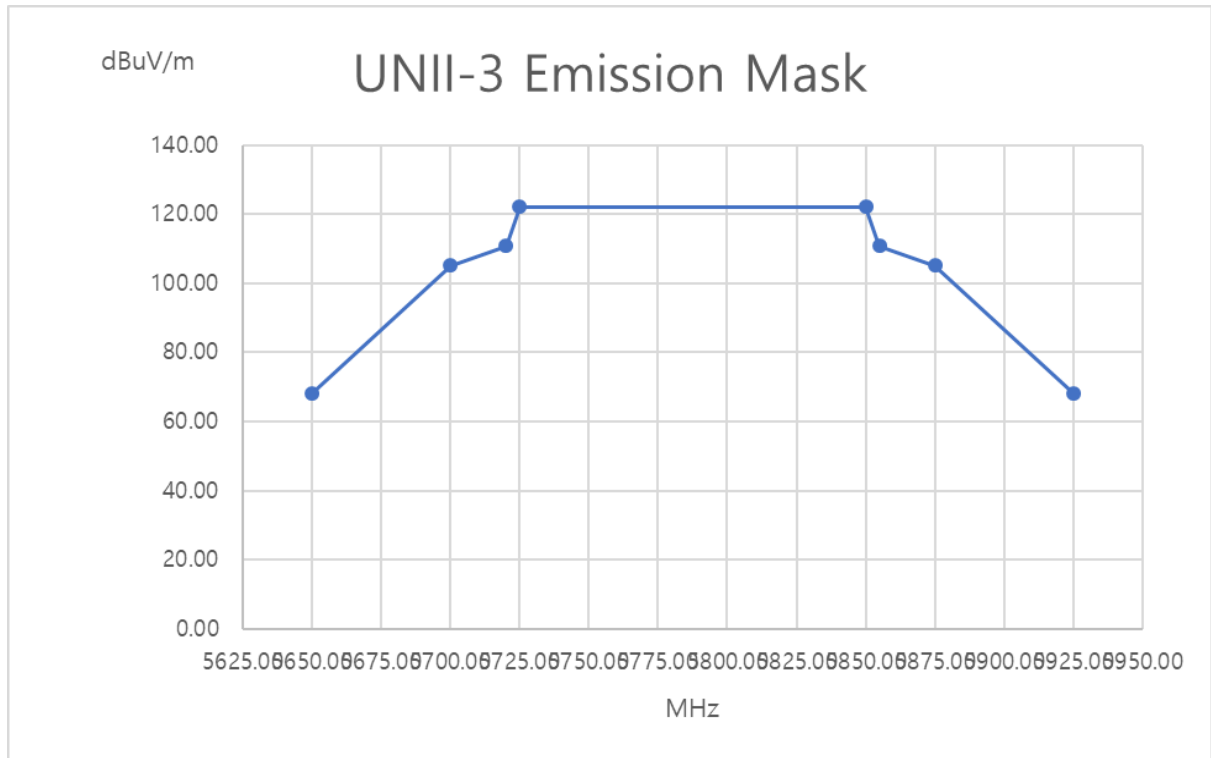
Remark: "H": Horizontal, "V": Vertical

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

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

14.8 U-NII-3 Emission Limits

14.8.1 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.

15. CONDUCTED EMISSION TEST

15.1 Operating environment

Temperature : 23 °C
Relative humidity : 45 % R.H.

15.2 Test set-up

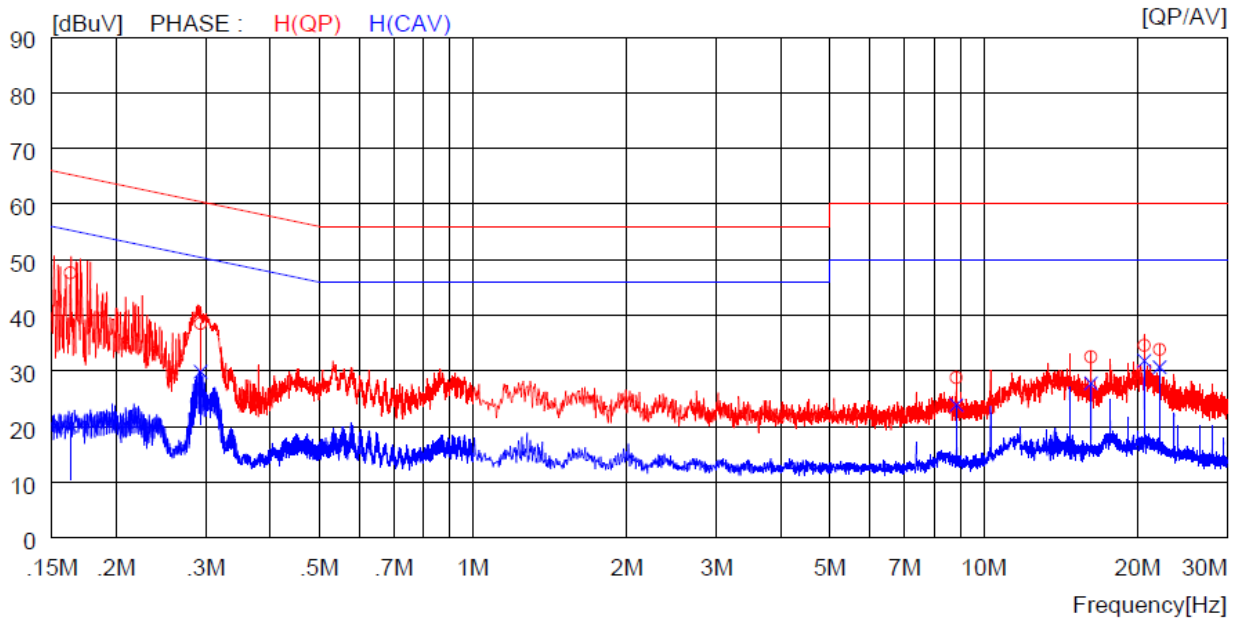
The EUT was placed on a wooden table, 0.8 m height above the floor. Power was fed to the EUT through a 50 Ω / 50 μ H + 5 Ω Artificial Mains Network (AMN). The ground plane was electrically bonded to the reference ground system and all power lines were filtered from ambient.

15.3 Test Date

December 05, 2021 ~ March 08, 2022

15.4 Test data for WLAN 5 GHz AX Mode

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



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	37.6	----	10.0	47.6	----	65.3	----	17.7	----	H (QP)
2	0.29300	28.5	----	10.0	38.5	----	60.4	----	21.9	----	H (QP)
3	8.84500	18.6	----	10.2	28.8	----	60.0	----	31.2	----	H (QP)
4	16.22000	22.3	----	10.3	32.6	----	60.0	----	27.4	----	H (QP)
5	20.63000	24.2	----	10.4	34.6	----	60.0	----	25.4	----	H (QP)
6	22.11000	23.5	----	10.4	33.9	----	60.0	----	26.1	----	H (QP)
7	0.16300	----	10.1	10.0	----	20.1	----	55.3	----	35.2	H (CAV)
8	0.29300	----	19.9	10.0	----	29.9	----	50.4	----	20.5	H (CAV)
9	8.84500	----	13.7	10.2	----	23.9	----	50.0	----	26.1	H (CAV)
10	16.22000	----	17.5	10.3	----	27.8	----	50.0	----	22.2	H (CAV)
11	20.63000	----	21.4	10.4	----	31.8	----	50.0	----	18.2	H (CAV)
12	22.11000	----	20.3	10.4	----	30.7	----	50.0	----	19.3	H (CAV)

This Report is not correlated with the authentication of KOLAS

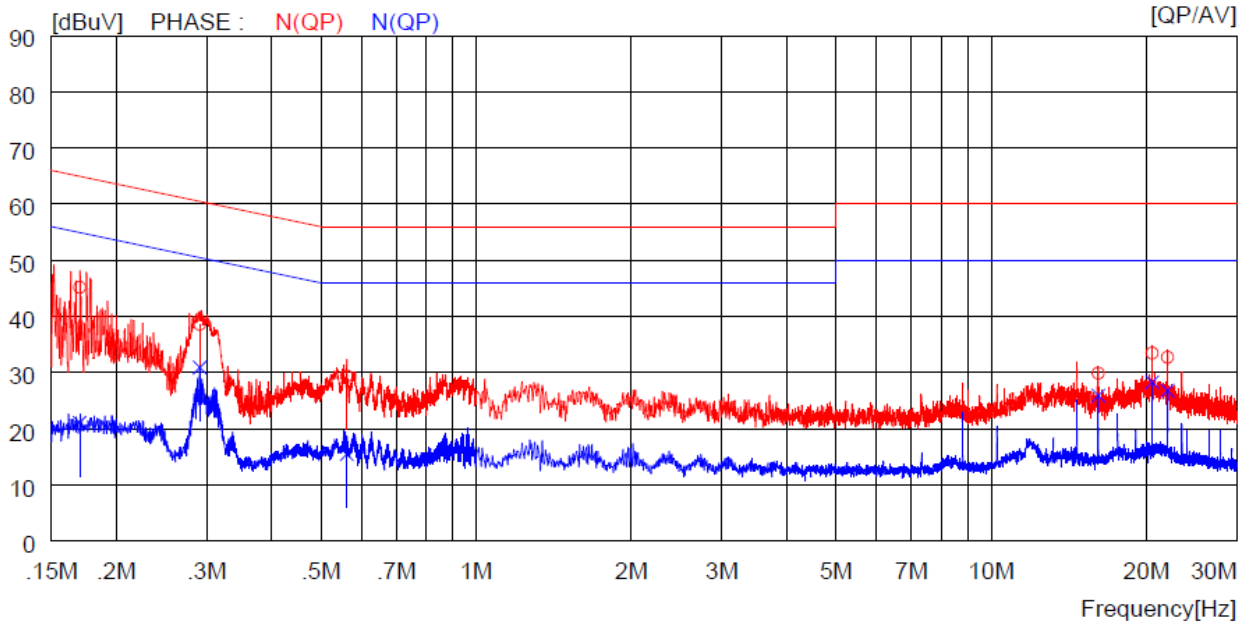
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OTC-TRF-RF-001(0)

-. Tested Line : NEUTRAL LINE

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

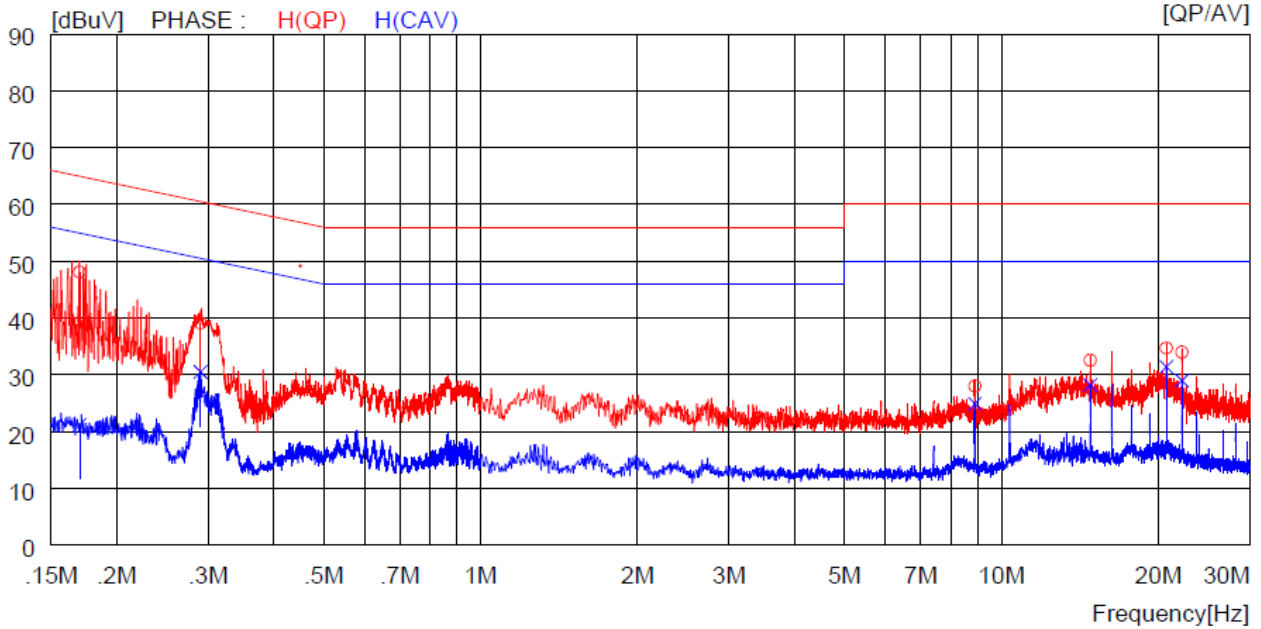
The emission level in above table is included the transducer factor that means insertion loss (LISN), cable loss and attenuator.



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	0.17000	35.2	----	10.0	45.2	----	65.0	----	19.8	----	N (QP)
2	0.29100	28.6	----	10.0	38.6	----	60.5	----	21.9	----	N (QP)
3	0.56100	19.4	----	10.0	29.4	----	56.0	----	26.6	----	N (QP)
4	16.14000	19.6	----	10.3	29.9	----	60.0	----	30.1	----	N (QP)
5	20.54000	23.1	----	10.4	33.5	----	60.0	----	26.5	----	N (QP)
6	22.01000	22.3	----	10.4	32.7	----	60.0	----	27.3	----	N (QP)
7	0.17000	----	11.1	10.0	----	21.1	----	55.0	----	33.9	N (CAV)
8	0.29100	----	20.9	10.0	----	30.9	----	50.5	----	19.6	N (CAV)
9	0.56100	----	5.5	10.0	----	15.5	----	46.0	----	30.5	N (CAV)
10	16.14000	----	15.6	10.3	----	25.9	----	50.0	----	24.1	N (CAV)
11	20.54000	----	17.9	10.4	----	28.3	----	50.0	----	21.7	N (CAV)
12	22.01000	----	16.4	10.4	----	26.8	----	50.0	----	23.2	N (CAV)

15.5 Test data for Intermodulation Mode(WLAN 5 GHz AX Mode + Bluetooth)

- Resolution bandwidth : 9 kHz
- Frequency range : 0.15 MHz ~ 30 MHz
- Tested Line : LIVE 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	0.17000	38.1	----	10.0	48.1	----	65.0	----	16.9	----	H (QP)
2	0.29000	29.1	----	10.0	39.1	----	60.5	----	21.4	----	H (QP)
3	8.89500	17.8	----	10.2	28.0	----	60.0	----	32.0	----	H (QP)
4	14.82000	22.3	----	10.3	32.6	----	60.0	----	27.4	----	H (QP)
5	20.74000	24.3	----	10.4	34.7	----	60.0	----	25.3	----	H (QP)
6	22.22000	23.6	----	10.4	34.0	----	60.0	----	26.0	----	H (QP)
7	0.17000	----	11.2	10.0	----	21.2	----	55.0	----	33.8	H (CAV)
8	0.29000	----	20.5	10.0	----	30.5	----	50.5	----	20.0	H (CAV)
9	8.89500	----	14.7	10.2	----	24.9	----	50.0	----	25.1	H (CAV)
10	14.82000	----	17.9	10.3	----	28.2	----	50.0	----	21.8	H (CAV)
11	20.74000	----	21.0	10.4	----	31.4	----	50.0	----	18.6	H (CAV)
12	22.22000	----	18.6	10.4	----	29.0	----	50.0	----	21.0	H (CAV)

This Report is not correlated with the authentication of KOLAS

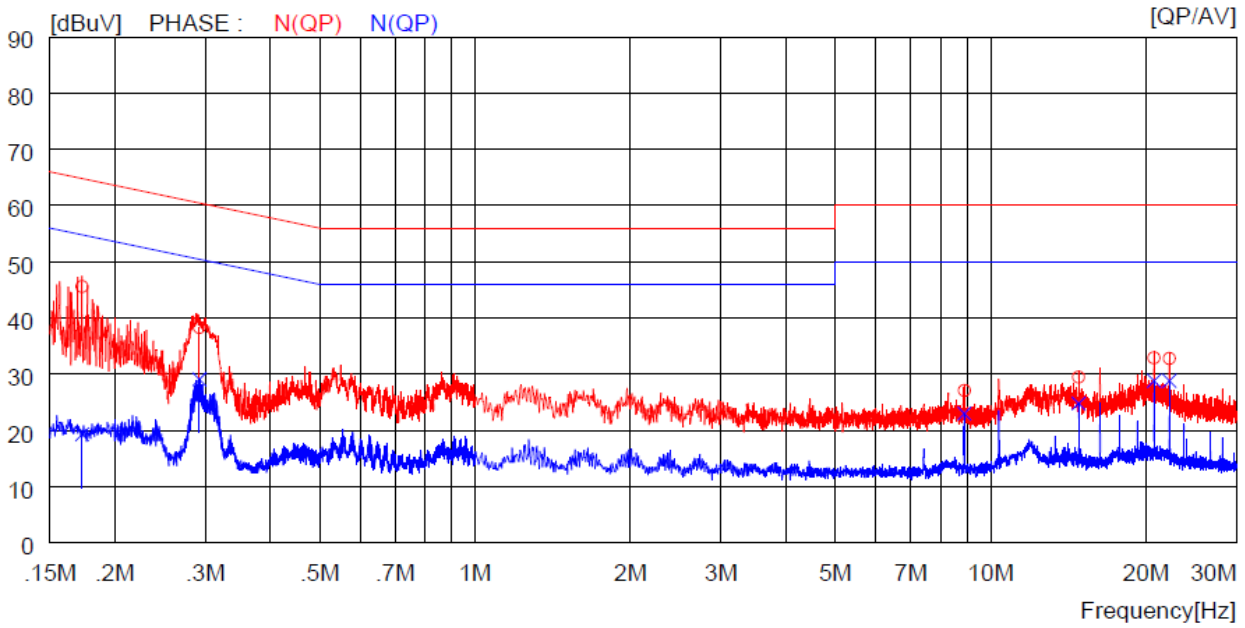
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OTC-TRF-RF-001(0)

- Tested Line : NEUTRAL LINE

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

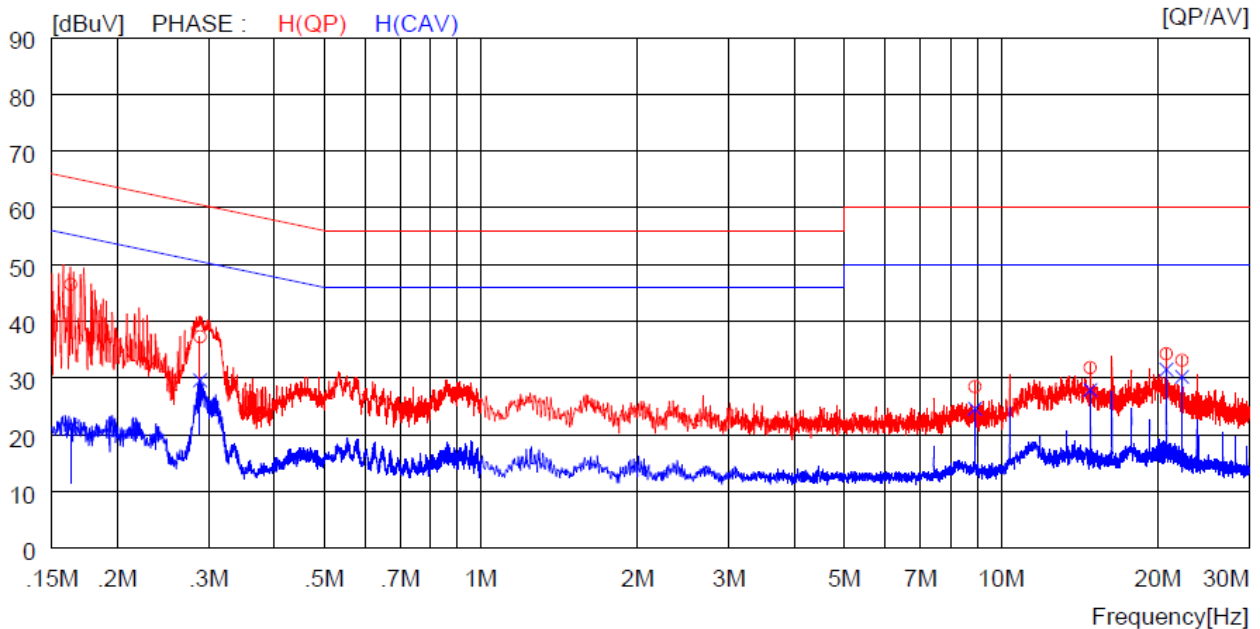
The emission level in above table is included the transducer factor that means insertion loss (LISN), cable loss and attenuator.



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	0.17300	35.6	----	10.0	45.6	----	64.8	----	19.2	----	N (QP)
2	0.29200	28.3	----	10.0	38.3	----	60.5	----	22.2	----	N (QP)
3	8.89500	16.9	----	10.2	27.1	----	60.0	----	32.9	----	N (QP)
4	14.82000	19.2	----	10.3	29.5	----	60.0	----	30.5	----	N (QP)
5	20.75000	22.5	----	10.4	32.9	----	60.0	----	27.1	----	N (QP)
6	22.23000	22.4	----	10.4	32.8	----	60.0	----	27.2	----	N (QP)
7	0.17300	----	9.3	10.0	----	19.3	----	54.8	----	35.5	N (CAV)
8	0.29200	----	19.1	10.0	----	29.1	----	50.5	----	21.4	N (CAV)
9	8.89500	----	12.8	10.2	----	23.0	----	50.0	----	27.0	N (CAV)
10	14.82000	----	14.5	10.3	----	24.8	----	50.0	----	25.2	N (CAV)
11	20.75000	----	18.4	10.4	----	28.8	----	50.0	----	21.2	N (CAV)
12	22.23000	----	18.4	10.4	----	28.8	----	50.0	----	21.2	N (CAV)

15.6 Test data for Intermodulation Mode(WLAN 5 GHz AX Mode + Bluetooth LE)

- Resolution bandwidth : 9 kHz
- Frequency range : 0.15 MHz ~ 30 MHz
- Tested Line : LIVE LINE

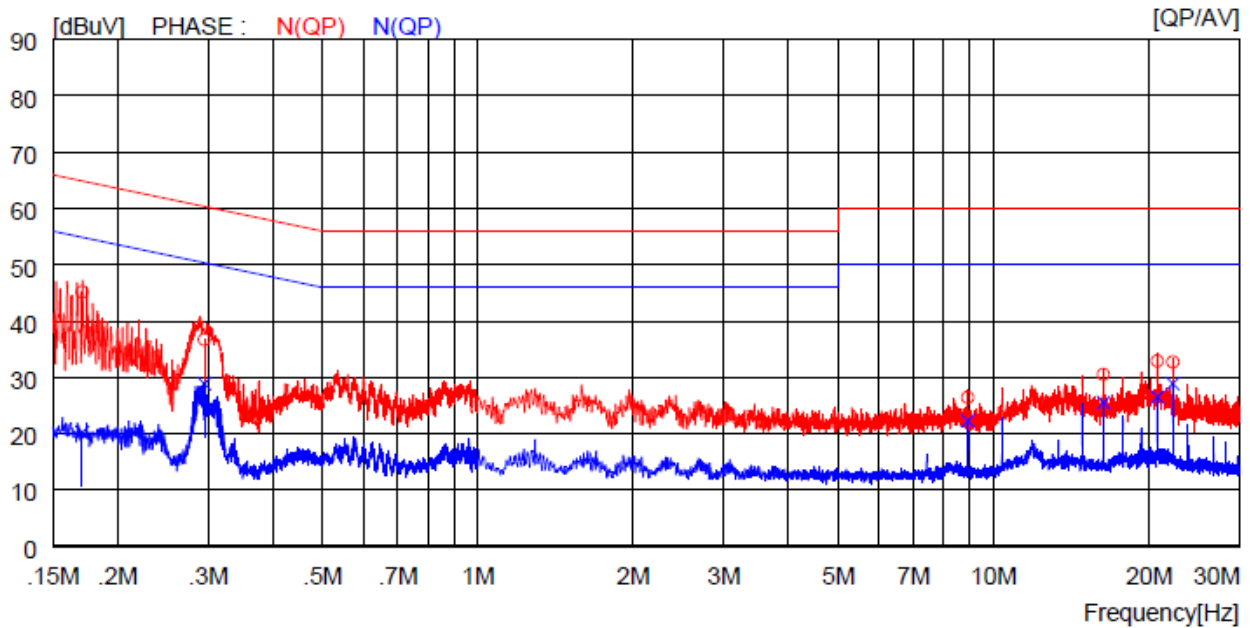


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.16300	36.5	----	10.0	46.5	----	65.3	----	18.8	----	H (QP)
2	0.28900	27.3	----	10.0	37.3	----	60.6	----	23.3	----	H (QP)
3	8.91000	18.3	----	10.2	28.5	----	60.0	----	31.5	----	H (QP)
4	14.85000	21.5	----	10.3	31.8	----	60.0	----	28.2	----	H (QP)
5	20.78000	23.9	----	10.4	34.3	----	60.0	----	25.7	----	H (QP)
6	22.27000	22.7	----	10.4	33.1	----	60.0	----	26.9	----	H (QP)
7	0.16300	----	11.1	10.0	----	21.1	----	55.3	----	34.2	H (CAV)
8	0.28900	----	19.6	10.0	----	29.6	----	50.6	----	21.0	H (CAV)
9	8.91000	----	14.4	10.2	----	24.6	----	50.0	----	25.4	H (CAV)
10	14.85000	----	17.6	10.3	----	27.9	----	50.0	----	22.1	H (CAV)
11	20.78000	----	21.1	10.4	----	31.5	----	50.0	----	18.5	H (CAV)
12	22.27000	----	19.8	10.4	----	30.2	----	50.0	----	19.8	H (CAV)

- Tested Line : NEUTRAL LINE

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

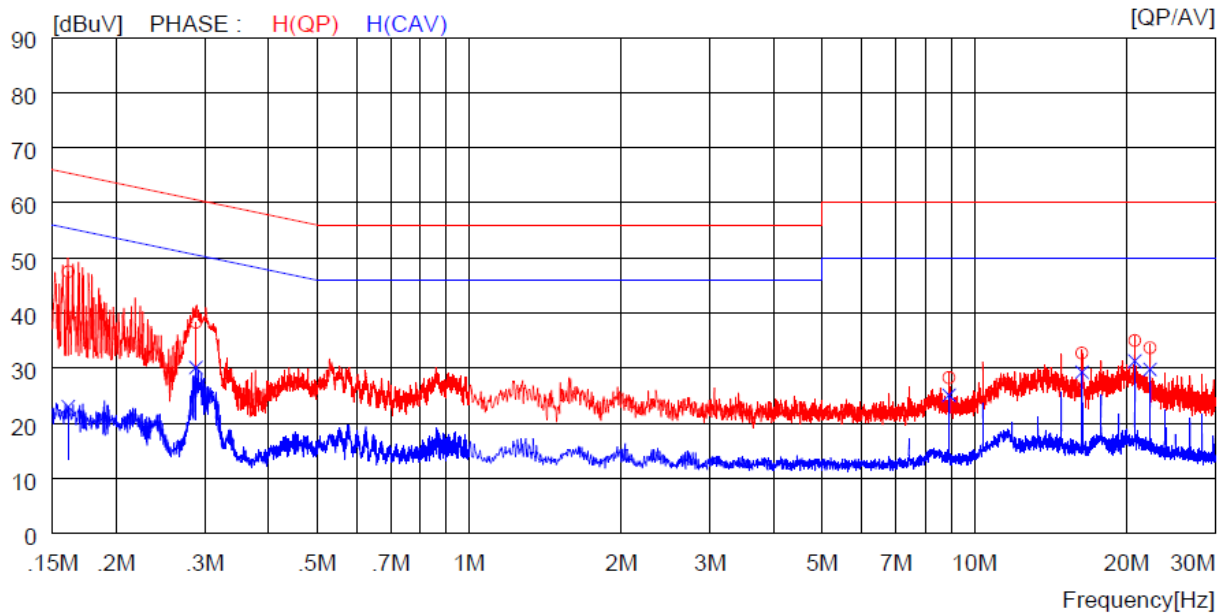
The emission level in above table is included the transducer factor that means insertion loss (LISN), cable loss and attenuator.



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	0.17100	35.2	----	10.0	45.2	----	64.9	----	19.7	----	N (QP)
2	0.29500	26.7	----	10.0	36.7	----	60.4	----	23.7	----	N (QP)
3	8.91000	16.2	----	10.2	26.4	----	60.0	----	33.6	----	N (QP)
4	16.34000	20.2	----	10.3	30.5	----	60.0	----	29.5	----	N (QP)
5	20.79000	22.5	----	10.4	32.9	----	60.0	----	27.1	----	N (QP)
6	22.27000	22.3	----	10.4	32.7	----	60.0	----	27.3	----	N (QP)
7	0.17100	----	10.2	10.0	----	20.2	----	54.9	----	34.7	N (CAV)
8	0.29500	----	18.9	10.0	----	28.9	----	50.4	----	21.5	N (CAV)
9	8.91000	----	12.1	10.2	----	22.3	----	50.0	----	27.7	N (CAV)
10	16.34000	----	15.2	10.3	----	25.5	----	50.0	----	24.5	N (CAV)
11	20.79000	----	16.1	10.4	----	26.5	----	50.0	----	23.5	N (CAV)
12	22.27000	----	18.5	10.4	----	28.9	----	50.0	----	21.1	N (CAV)

15.7 Test data for Intermodulation Mode(WLAN 5 GHz AX Mode + WLAN 2.4 GHz AX Mode)

- Resolution bandwidth : 9 kHz
- Frequency range : 0.15 MHz ~ 30 MHz
- Tested Line : LIVE LINE

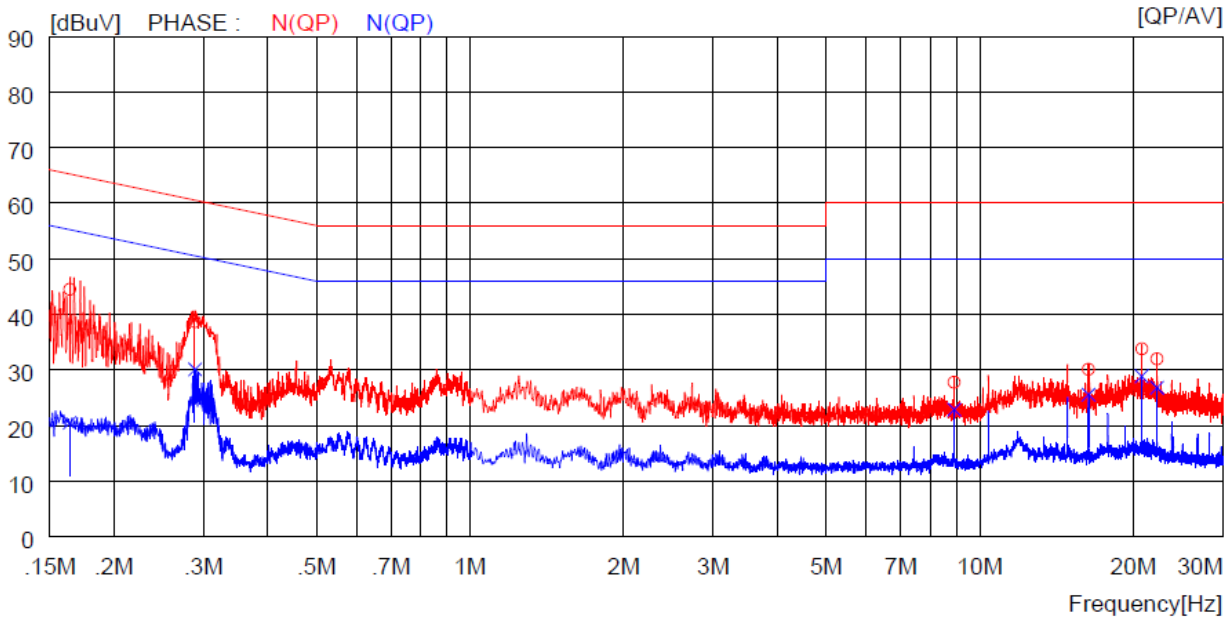


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.16100	37.5	----	10.0	47.5	----	65.4	----	17.9	----	H (QP)
2	0.28800	28.3	----	10.0	38.3	----	60.6	----	22.3	----	H (QP)
3	8.91500	18.1	----	10.2	28.3	----	60.0	----	31.7	----	H (QP)
4	16.34000	22.4	----	10.3	32.7	----	60.0	----	27.3	----	H (QP)
5	20.79000	24.6	----	10.4	35.0	----	60.0	----	25.0	----	H (QP)
6	22.28000	23.3	----	10.4	33.7	----	60.0	----	26.3	----	H (QP)
7	0.16100	----	13.0	10.0	----	23.0	----	55.4	----	32.4	H (CAV)
8	0.28800	----	20.1	10.0	----	30.1	----	50.6	----	20.5	H (CAV)
9	8.91500	----	14.9	10.2	----	25.1	----	50.0	----	24.9	H (CAV)
10	16.34000	----	19.0	10.3	----	29.3	----	50.0	----	20.7	H (CAV)
11	20.79000	----	20.9	10.4	----	31.3	----	50.0	----	18.7	H (CAV)
12	22.28000	----	19.4	10.4	----	29.8	----	50.0	----	20.2	H (CAV)

- Tested Line : NEUTRAL LINE

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.



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	0.16400	34.5	----	10.0	44.5	----	65.3	----	20.8	----	N (QP)
2	0.28900	28.7	----	10.0	38.7	----	60.6	----	21.9	----	N (QP)
3	8.91500	17.6	----	10.2	27.8	----	60.0	----	32.2	----	N (QP)
4	16.35000	19.8	----	10.3	30.1	----	60.0	----	29.9	----	N (QP)
5	20.80000	23.4	----	10.4	33.8	----	60.0	----	26.2	----	N (QP)
6	22.29000	21.6	----	10.4	32.0	----	60.0	----	28.0	----	N (QP)
7	0.16400	----	10.5	10.0	----	20.5	----	55.3	----	34.8	N (CAV)
8	0.28900	----	20.1	10.0	----	30.1	----	50.6	----	20.5	N (CAV)
9	8.91500	----	12.7	10.2	----	22.9	----	50.0	----	27.1	N (CAV)
10	16.35000	----	15.3	10.3	----	25.6	----	50.0	----	24.4	N (CAV)
11	20.80000	----	18.5	10.4	----	28.9	----	50.0	----	21.1	N (CAV)
12	22.29000	----	16.4	10.4	----	26.8	----	50.0	----	23.2	N (CAV)

16. DYNAMIC FREQUENCY SELECTION (DFS)

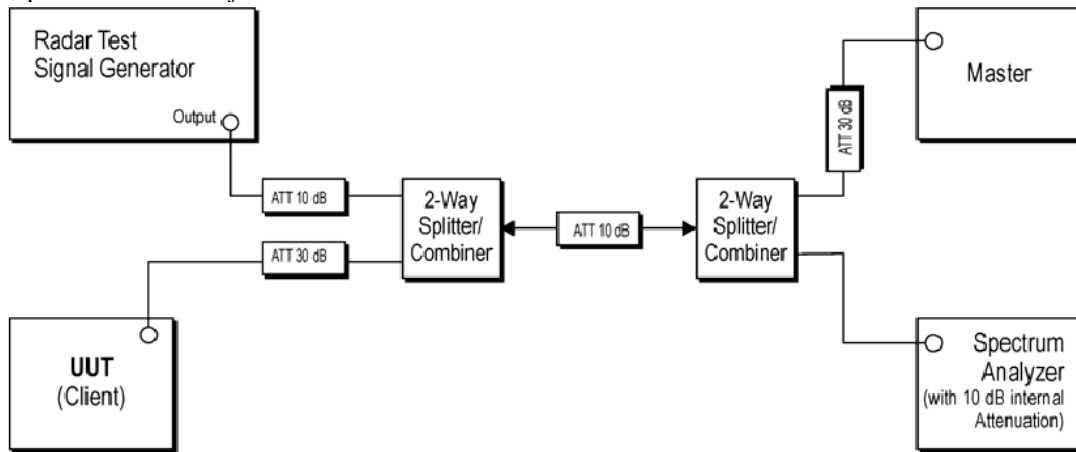
16.1 Operating environment

Temperature : 24 °C
 Relative humidity : 45 % R.H.

16.2 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>

- a) 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.
- b) 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.
- c) 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.
- d) 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).
- e) 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 : RF-AX88U

b) Client(=EUT) Devices : ATC6NPL002

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

Note : TPC is not required since the maximum EIRP is less than 500mW(27dBm).

16.3 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 $\left\{ \begin{matrix} \left(\frac{1}{360} \right) \cdot \\ \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \end{matrix} \right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, 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

16.4 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

16.5 Test Date

December 05, 2021 ~ March 08, 2022

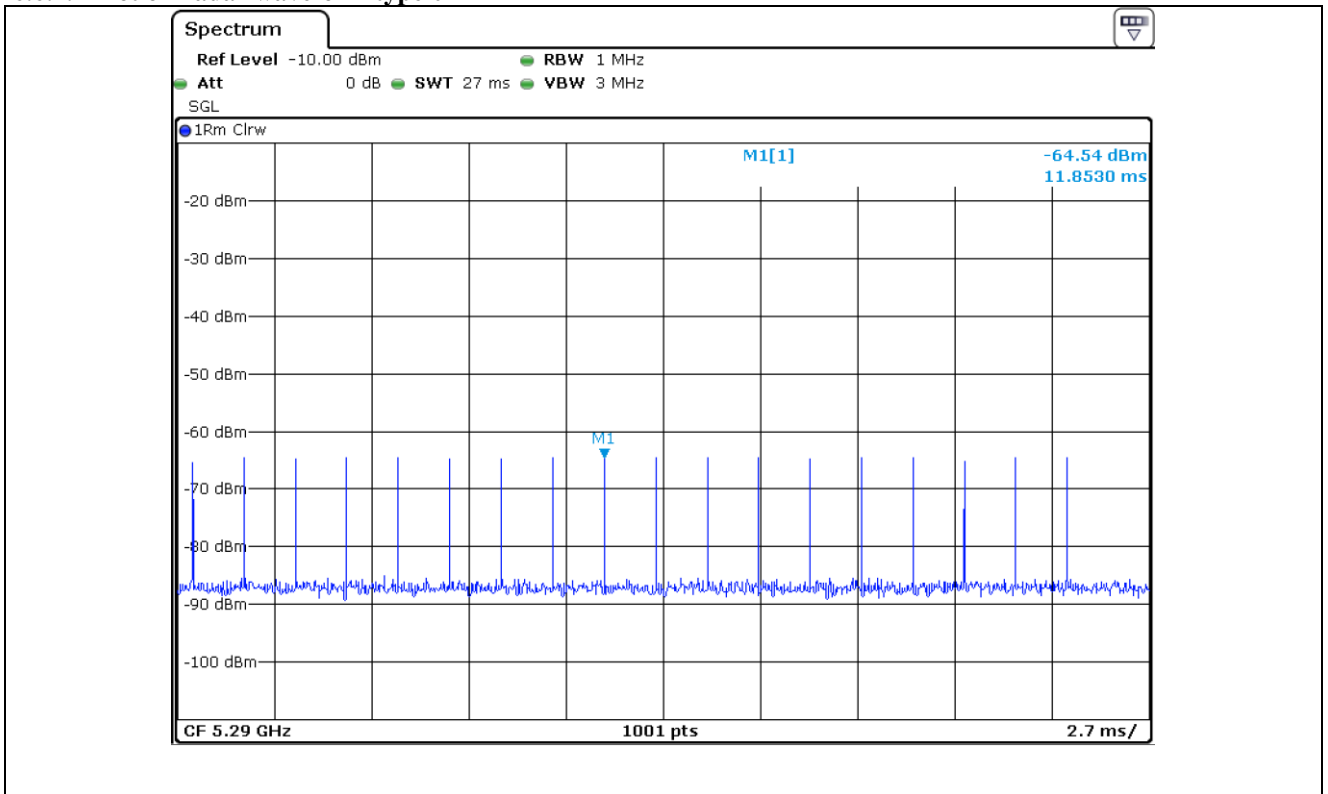
16.6 Test data

Band	Frequency (MHz)	Channel move time(s)		Channel closing transmission time(ms)	
		Measured	Limit	Measured	Limit
UNII 2A	5 290.00	0.84	10.00	3.6	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.
UNII 2C	5 530.00	0.82		3.2	

Note. Channel closing transmission time: $0.4 \times 9 = 3.6$ ms, $0.4 \times 8 = 3.2$ ms

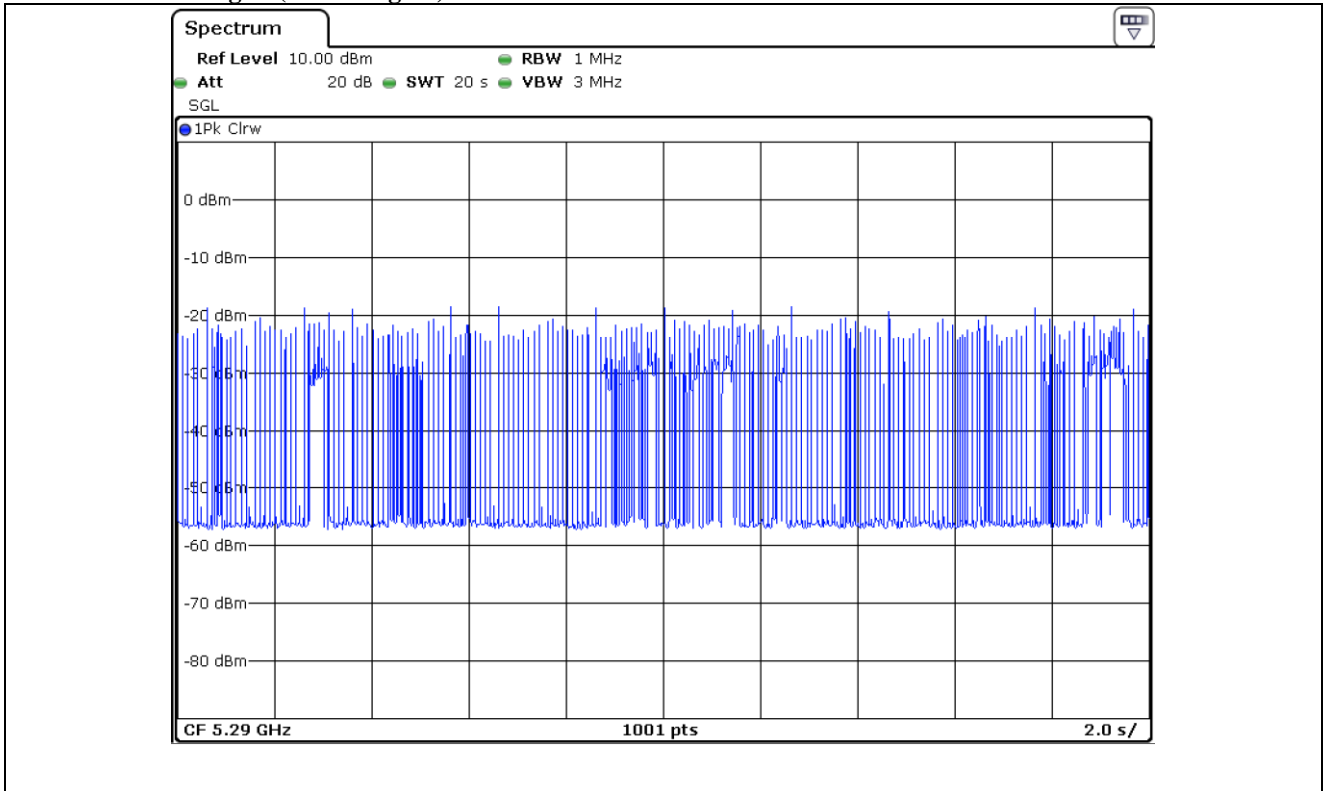
16.6.1 UNII 2A

16.6.1.1 Plot of Radar waveform type 0

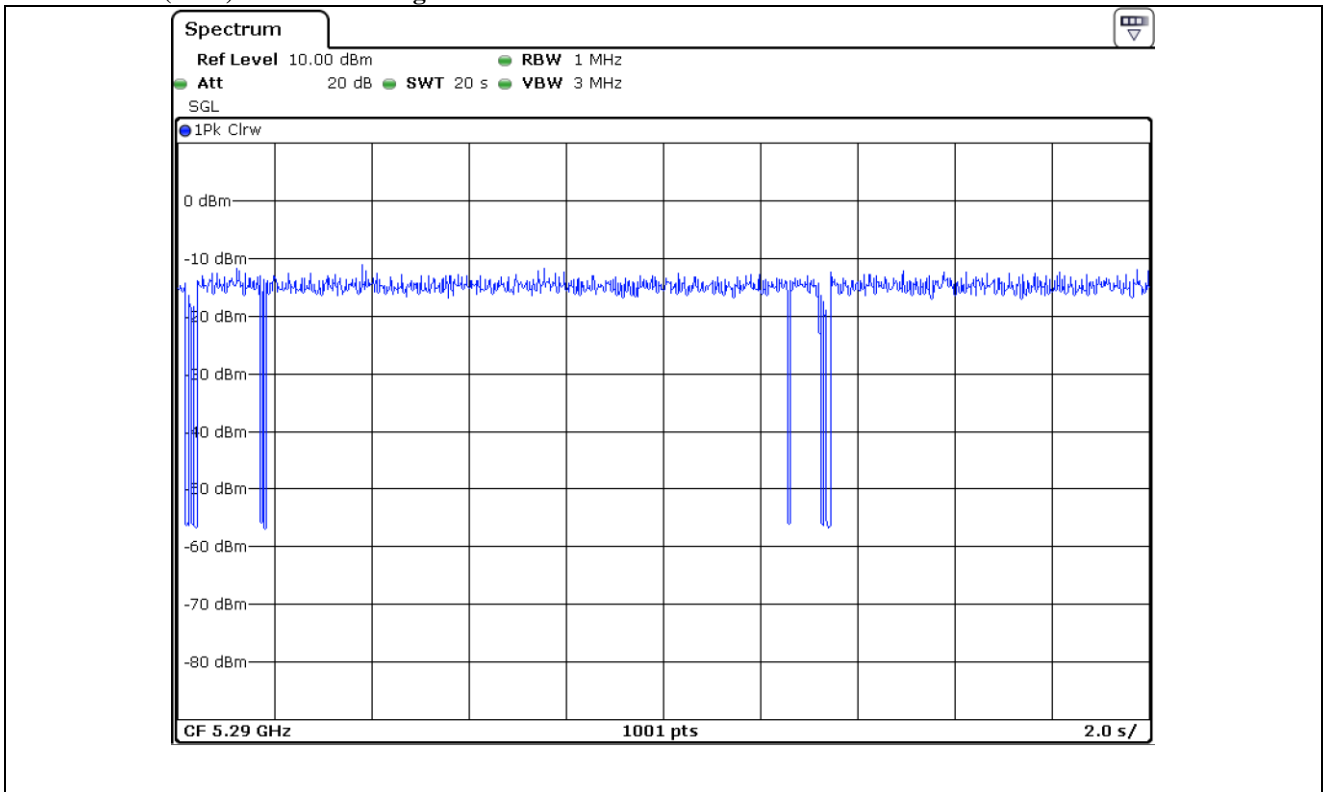


Note: The calibrated conducted DFS detection threshold level is set to **-64.54 dBm** ($-62+1+9= -52.00$ dBm)

16.6.1.2 No traffic signal(master signal)



16.6.1.3 Client(EUT) Data Traffic Signal



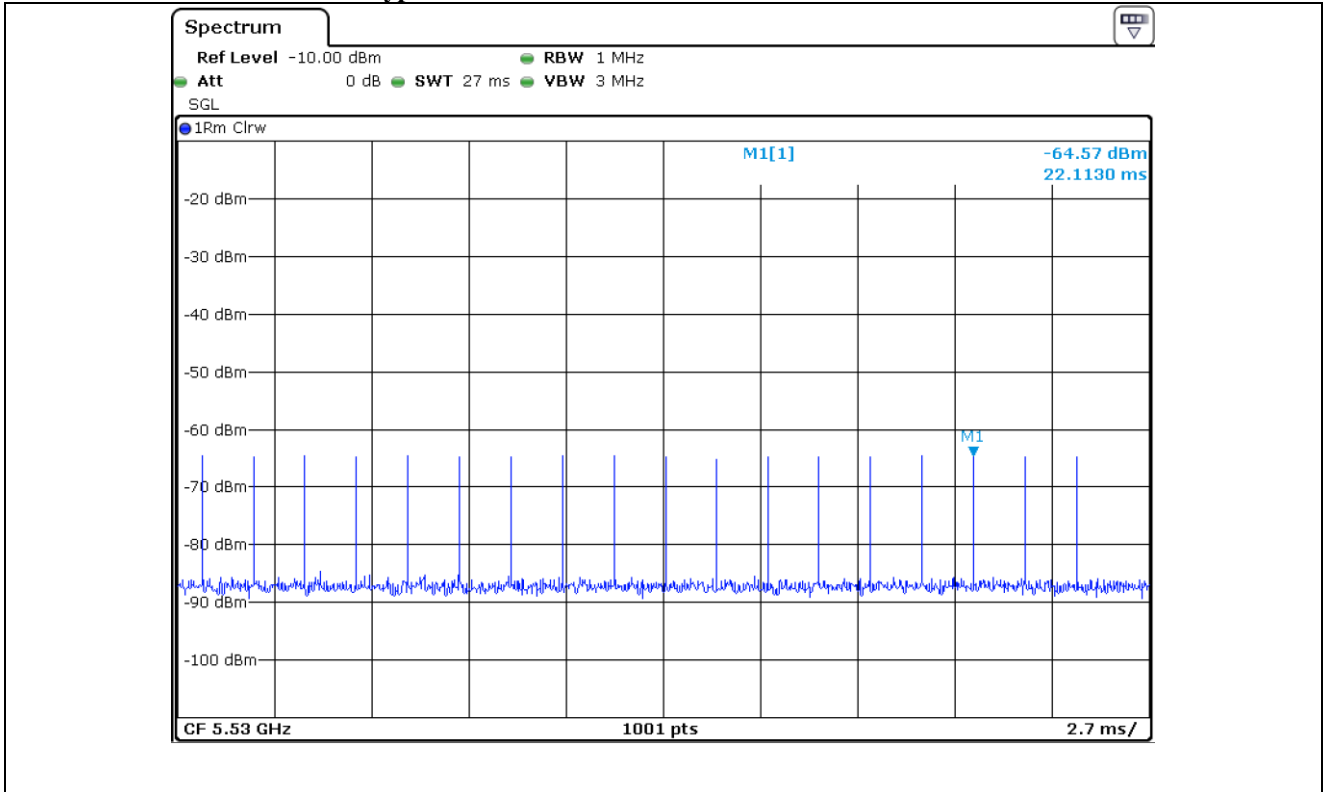
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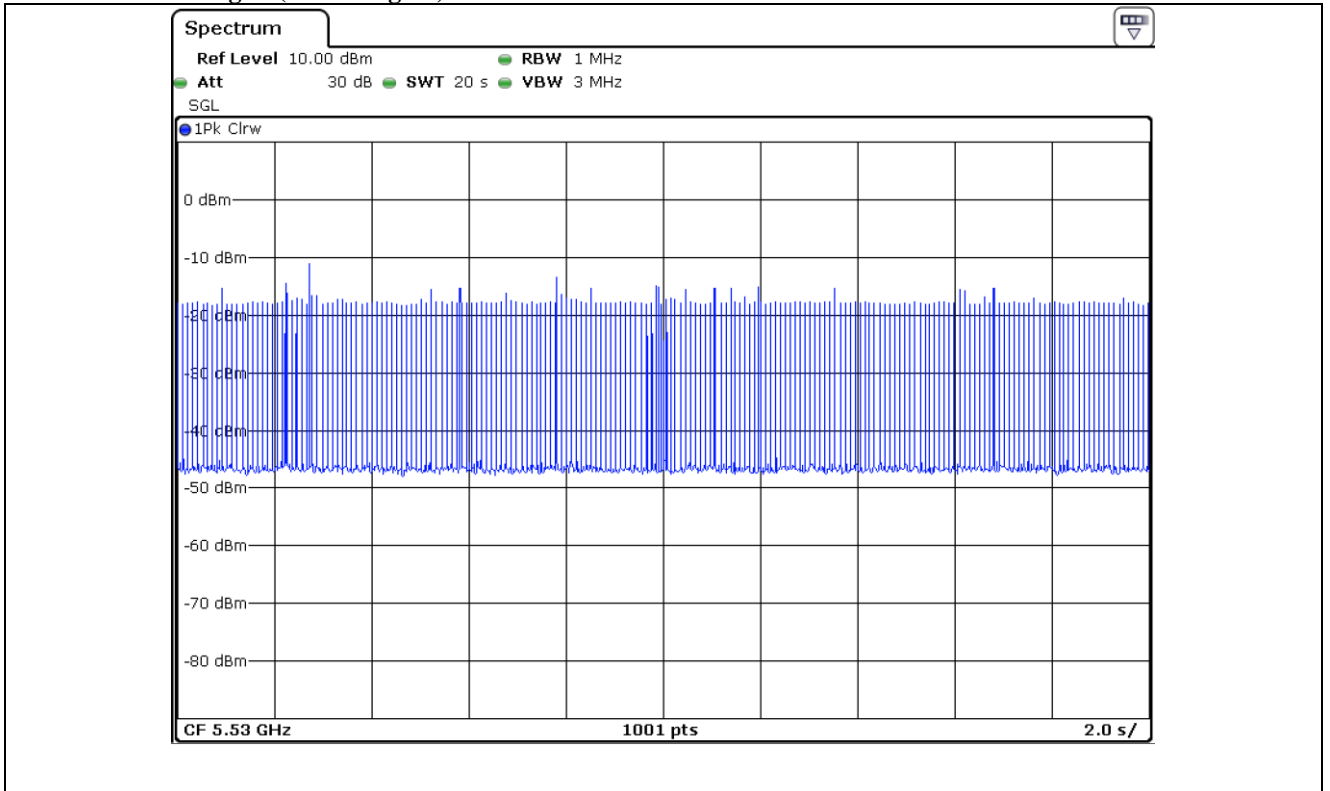
16.6.2 UNII 3

16.6.2.1 Plot of Radar waveform type 1

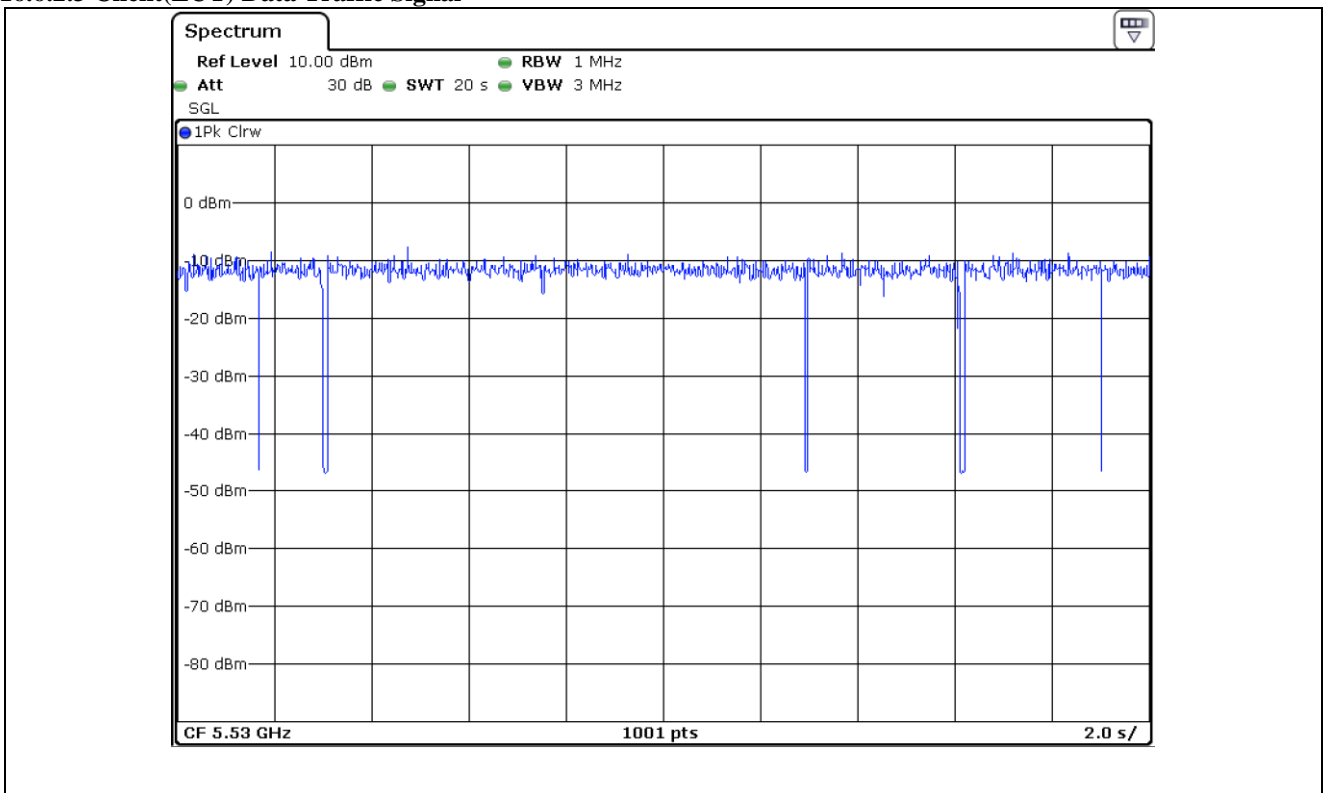


Note: The calibrated conducted DFS detection threshold level is set to -64.57 dBm (-62+1+9 = -52.00 dBm)

16.6.2.2 No traffic signal(master signal)



16.6.2.3 Client(EUT) Data Traffic Signal

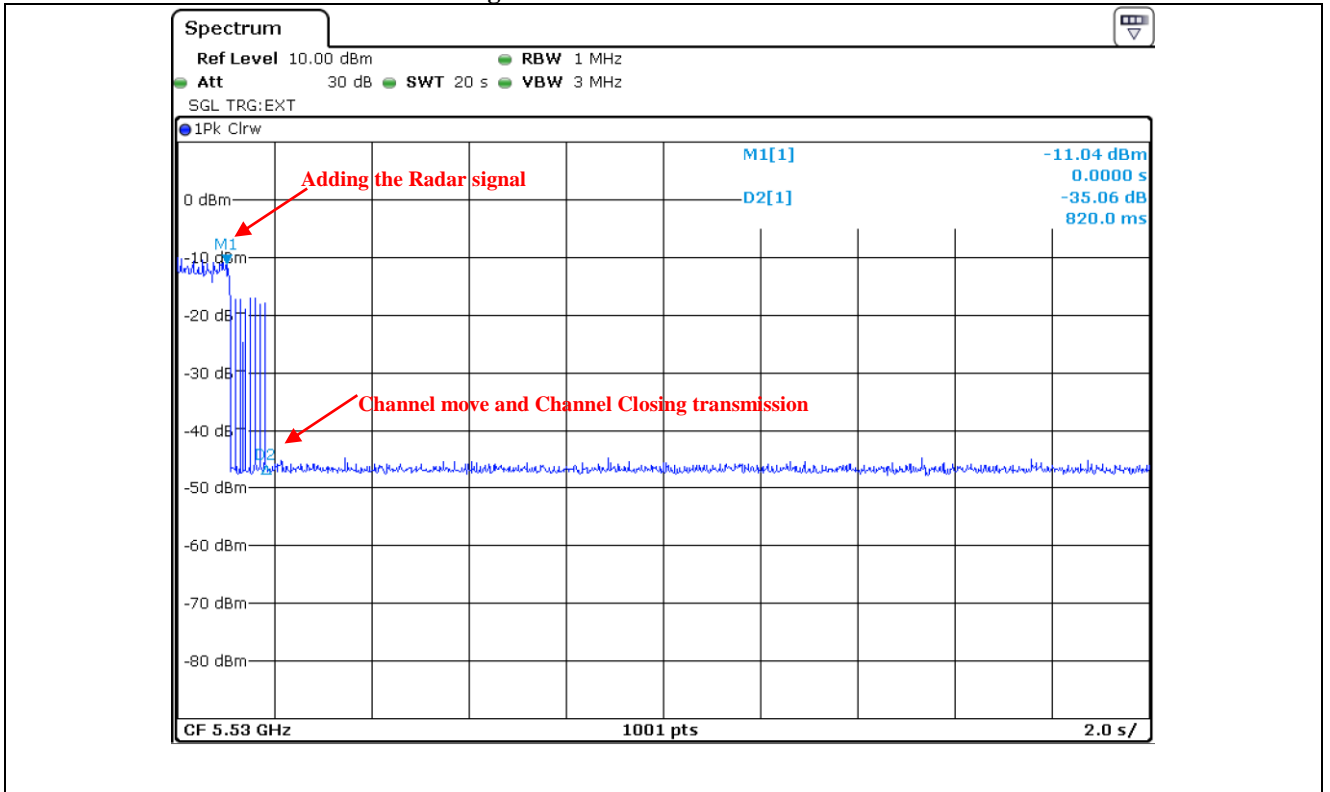


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16.6.2.4 Channel move and Channel Closing transmission time



17. LIST OF TEST EQUIPMENT

Model Number	Manufacturer	Description	Serial Number	Last Cal.(Interval)
FSV40-N	Rohde & Schwarz	Signal Analyzer	102177	Apr. 16, 2021 (1Y)
ESW 44	Rohde & Schwarz	EMI Test Receiver	101851	Mar. 08, 2022 (1Y)
SSE-43CI-A	Samkun Tech	Humidity Chamber	60712	Jan. 18, 2022 (1Y)
ZUP36-6	NEMIC-LAMBDA	DC Power Supply	YJV-535Z14-0018	Apr. 16, 2021(1Y)
310N	Sonoma Instrument	Pre-Amplifier	392756	Oct. 14, 2021 (1Y)
SCU18	Rohde & Schwarz	Pre-Amplifier	102266	Jul. 14, 2021 (1Y)
PAM-118A	Com-Power	Pre-Amplifier	18040081	Oct. 12, 2021 (1Y)
PAM-840A	Com-Power	Pre-Amplifier	461339	Oct. 18, 2021 (1Y)
F-40-5000-RF	RLC Electronis	High Pass Filter	0425	Feb. 01, 2022(1Y)
HPF 3GHz	Rohde & Schwarz	High Pass Filter	N/A	Jan. 19, 2022(1Y)
DT3000-3t	Innco System	Turn Table	DT3000/093	N/A
MA-4000XPET	Innco System	Antenna Master	MA4000/509	N/A
FMZB 1513	Schwarzbeck	Loop Antenna	1513-235	Mar. 24, 2022 (2Y)
HLP-2008	TDK	Hybrid Antenna	131314	Feb. 25, 2022 (2Y)
AH-118	Com-Power	Horn Antenna	10050061	Oct. 15, 2021 (1Y)
BBHA9170	Schwarzbeck	Horn Antenna	BBHA9170178	Jan. 06, 2022(1Y)
ESCI	Rohde & Schwarz	EMI TEST RECEIVER	101012	Oct. 20, 2021 (1Y)
NSLK8126	Schwarzbeck	AMN	8126-404	Mar. 14, 2022 (1Y)
ESH3-Z2	Rohde & Schwarz	PULSE LIMITER	100655	Mar. 14, 2022 (1Y)
D-05180-2	RLC Electronis Inc.	Combiner	0813	N/A
11636B	Hewlett Packard	Combiner	12268	N/A
SMBV100A	R/S	Signal Generator	260423	Jan 17, 2022 (1Y)
RF-AX88U	ASUS	Dual Band Gigabit Router	NA	N/A

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