

Fig.45 Occupied 26dB Bandwidth (802. 11ac-HT40, 5670MHz)

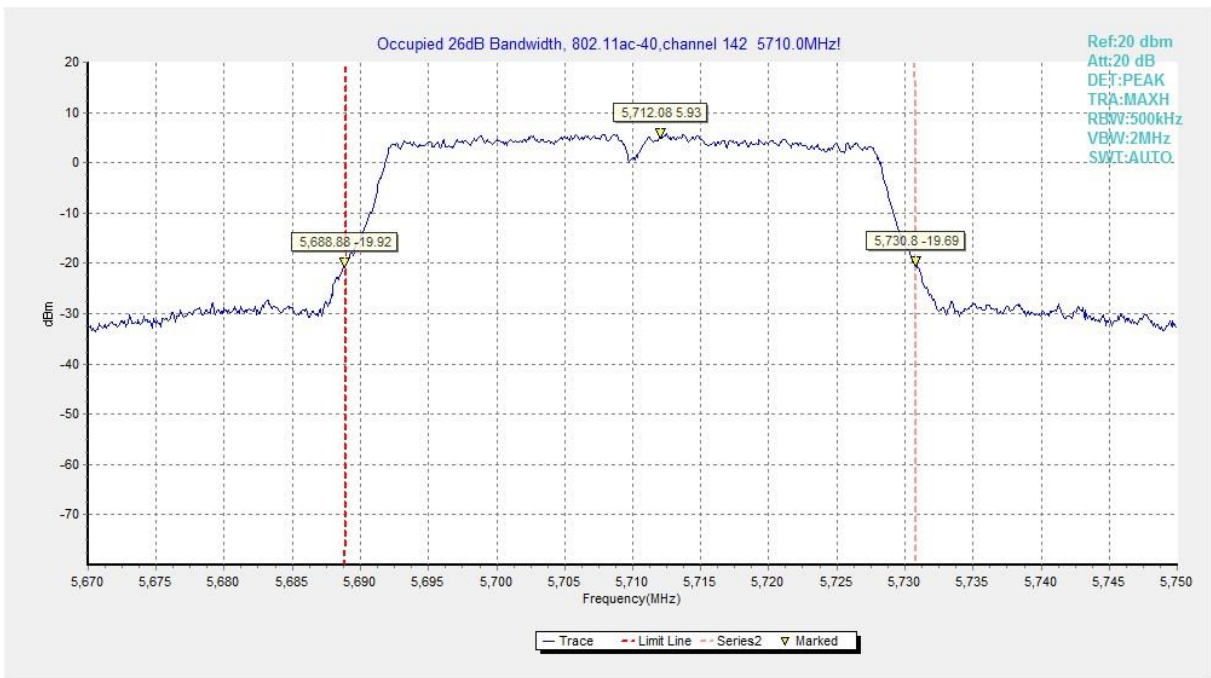


Fig.46 Occupied 26dB Bandwidth (802. 11ac-HT40, 5710MHz)

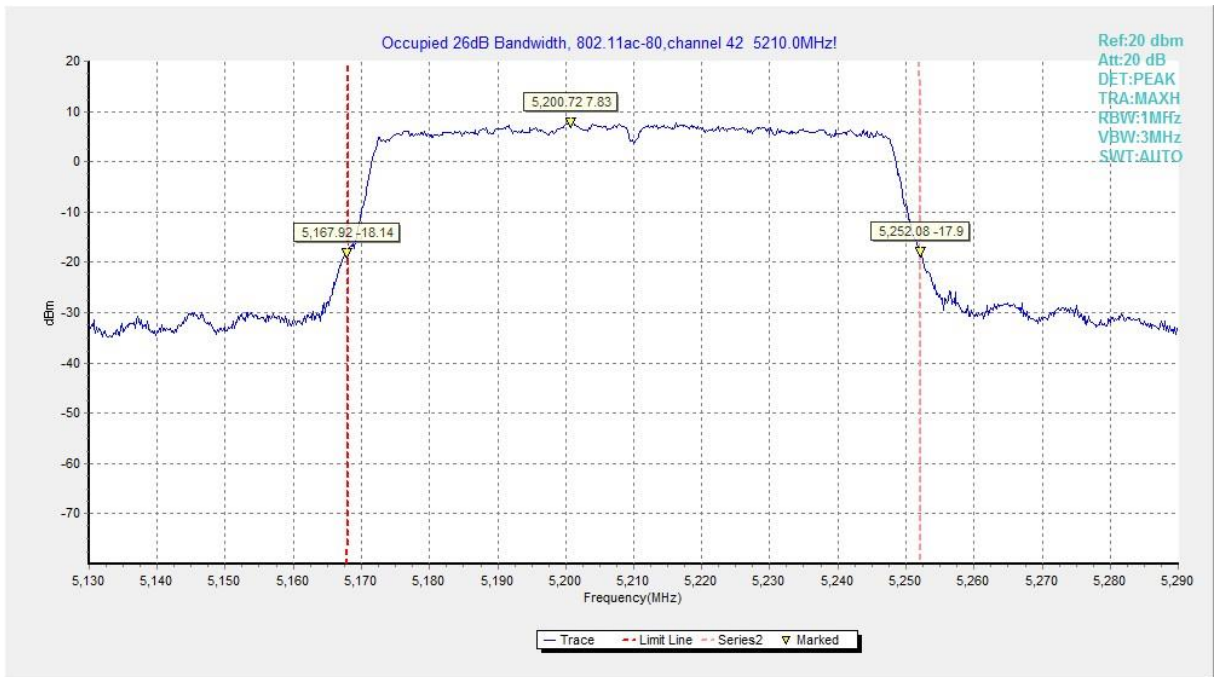


Fig.47 Occupied 26dB Bandwidth (802. 11ac-HT80, 5210MHz)

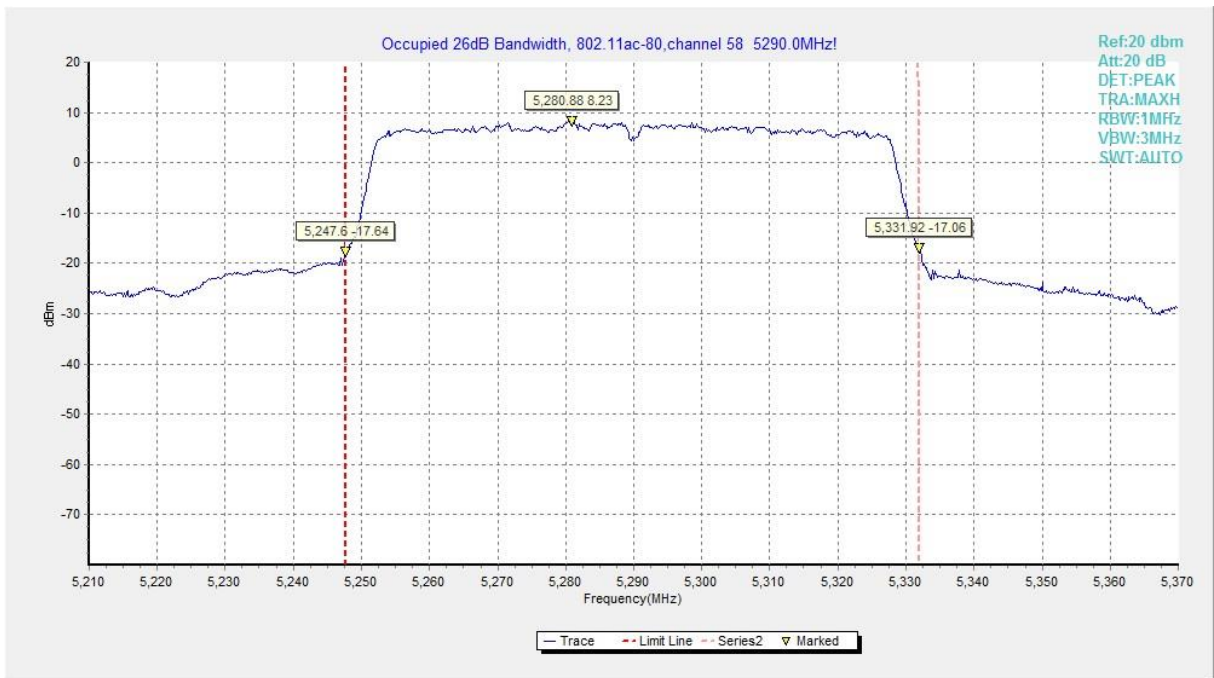


Fig.48 Occupied 26dB Bandwidth (802. 11ac-HT80, 5290MHz)

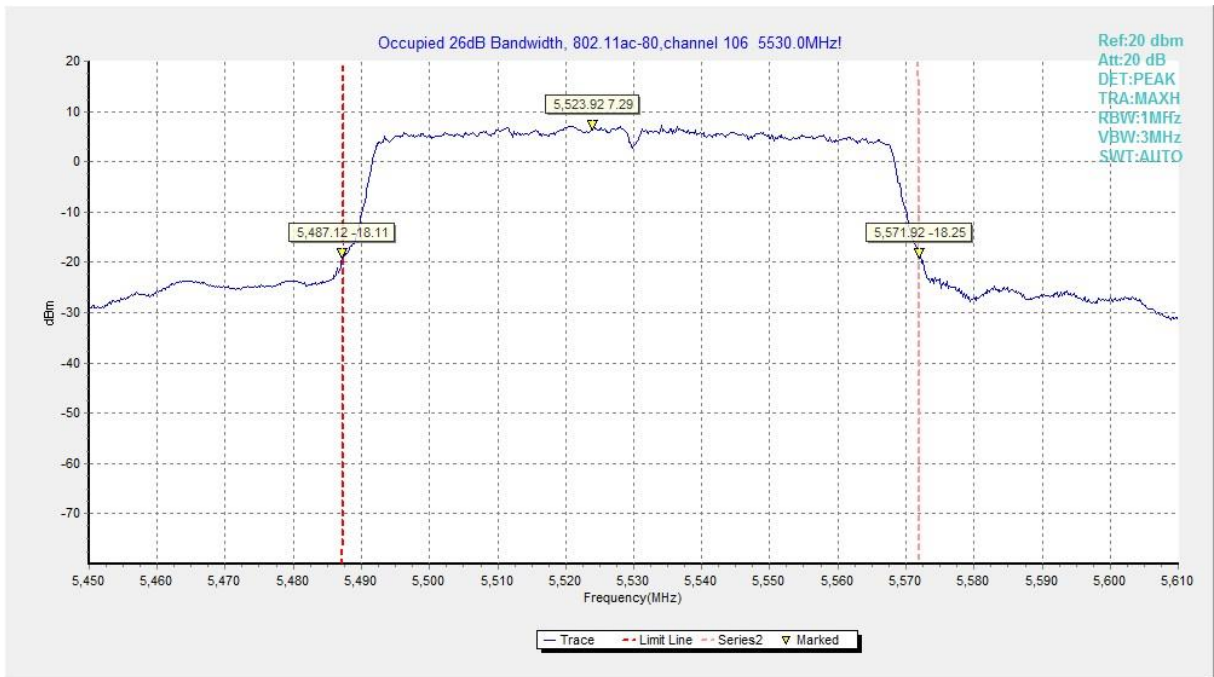


Fig.49 Occupied 26dB Bandwidth (802.11ac-HT80, 5530MHz)

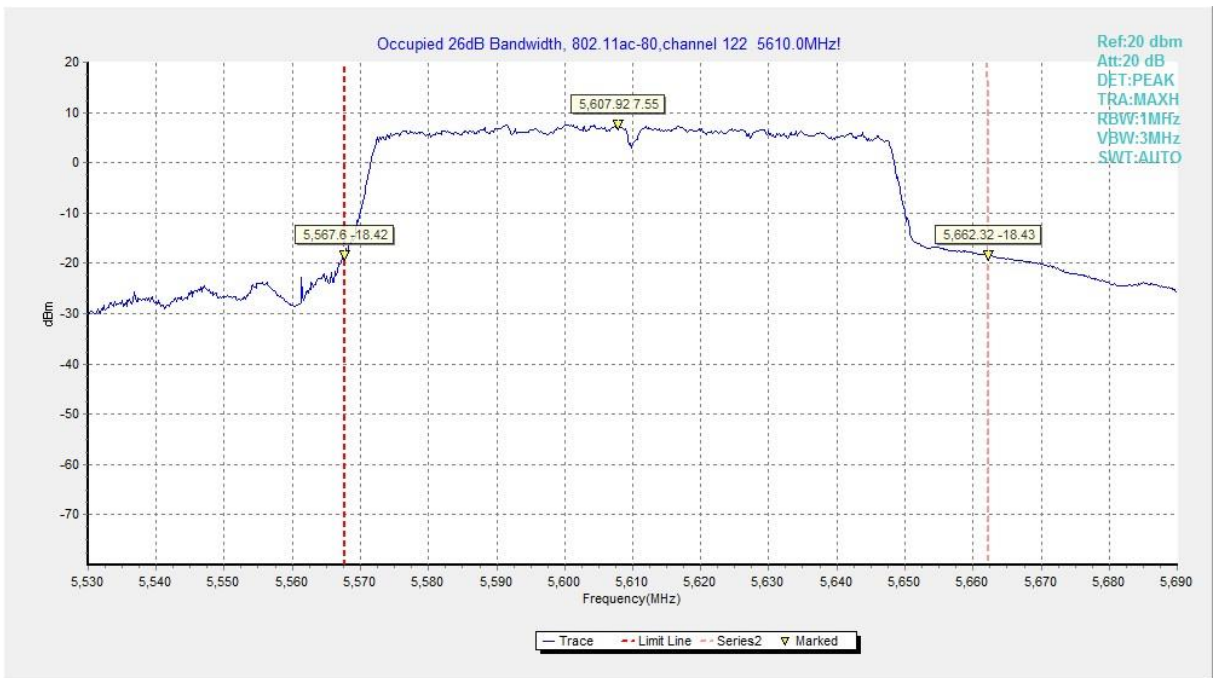


Fig.50 Occupied 26dB Bandwidth (802.11ac-HT80, 5610MHz)

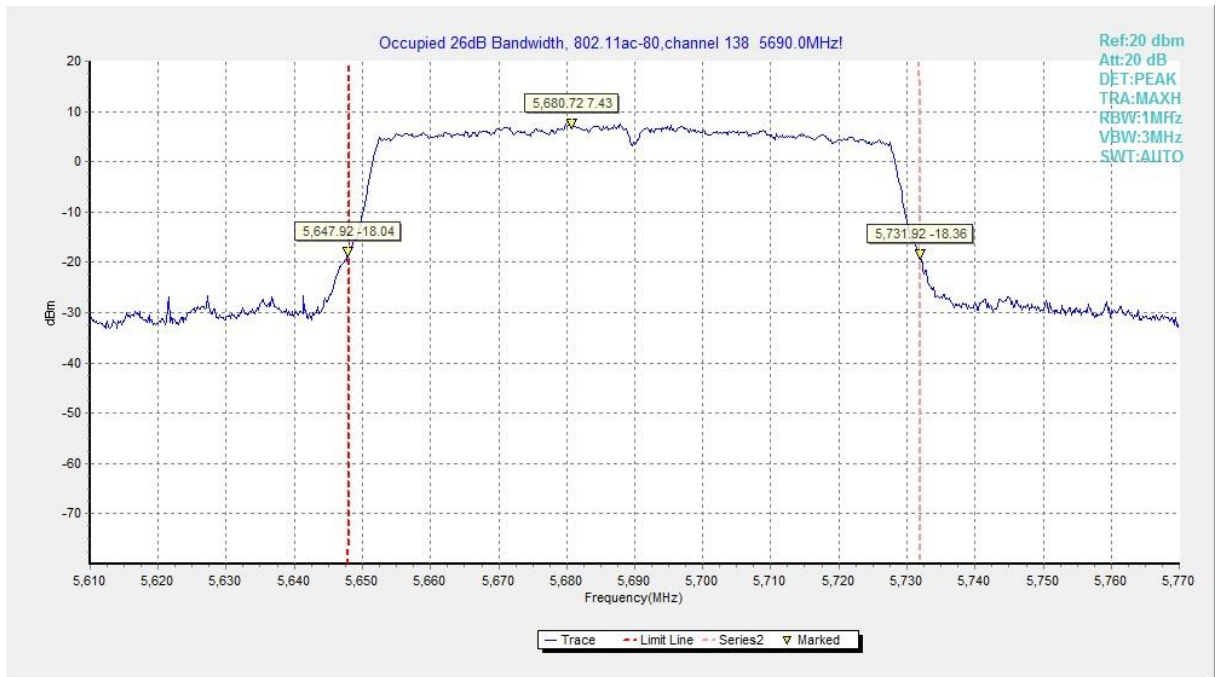


Fig.51 Occupied 26dB Bandwidth (802. 11ac-HT80, 5690MHz)

A.5. Band Edges Compliance

Method of Measurement: See ANSI C63.10-2013-clause 6.4 & 6.5 & 6.6

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209	20dB below peak output power

radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limit in restricted band:

Frequency (MHz)	Field strength(μ V/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

Frequency of emission (MHz)	Field strength(μ V/m)	Field strength(dBuV/m)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Set up:

Tabletop devices shall be placed on a nonconducting platform with nominal top surface dimensions 1 m by 1.5 m and the table height shall be 1.5 m.

The EUT and transmitting antenna shall be centered on the turntable.

Test Condition

The EUT shall be tested 1 near top, 1 near middle, and 1 near bottom. Set the unlicensed wireless device to operate in continuous transmit mode. For unlicensed wireless devices unable to be configured for 100% duty cycle even in test mode, configure the system for the maximum duty cycle supported.

When required for unlicensed wireless devices, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage.

Exploratory radiated emissions measurements

Exploratory radiated measurements shall be performed at the measurement distance or at a closer distance than that specified for compliance to determine the emission characteristics of the EUT and, if applicable, the EUT configuration that produces the maximum level of emissions. The frequencies of maximum emission may be determined by manually positioning the antenna close to the EUT, and then moving the antenna over all sides of the EUT while observing a spectral

display. It is advantageous to have prior knowledge of the frequencies of emissions, although this may be determined from such a near-field scan. The near-field scan shall only be used to determine the frequency but not the amplitude of the emissions. Where exploratory measurements are not adequate to determine the worst-case operating modes and are used only to identify the frequencies of the highest emissions, additional preliminary tests can be required.

For emissions from the EUT, the maximum level shall be determined by rotating the EUT and its antenna through 0° to 360°. For each mode of operation required to be tested, the frequency spectrum (based on findings from exploratory measurements) shall be monitored.

Broadband antennas and a spectrum analyzer or a radio-noise meter with a panoramic display are often useful in this type of test. If either antenna height or EUT azimuth are not fully measured during exploratory testing, then complete testing can be required at the OATS or semi-anechoic chamber when the final full spectrum testing is performed.

Final radiated emissions measurements

The final measurements are using the orientation and equipment arrangement of the EUT based on the measurement results found during the preliminary (exploratory) measurements, the EUT arrangement, appropriate modulation, and modes of operation that produce the emissions that have the highest amplitude relative to the limit shall be selected for the final measurement.

For emissions from the EUT, the maximum level shall be determined by rotating the EUT and its antenna through 0° to 360°. Final measurements for the EUT require a measurement antenna height scan of 1 m to 4 m and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations. For each mode of operation required to be tested, the frequency spectrum (based on findings from exploratory measurements) shall be monitored.

For each mode selected, record the frequency and amplitude of the highest fundamental emission (if applicable), as well as the frequency and amplitude of the six highest spurious emissions relative to the limit. Emissions more than 20 dB below the limit do not need to be reported.

This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The receiver references:

Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	100KHz/300KHz	5
1000-4000	1MHz/3MHz	15
4000-18000	1MHz/3MHz	40
18000-26500	1MHz/3MHz	20

Measurement Result:

Mode	Frequency	Test Results	Conclusion
802.11a	5180 MHz	Fig.52	P
	5320 MHz	Fig.53	P
	5500 MHz	Fig.54	P
	5700 MHz	Fig.55	P
802.11n HT20	5180 MHz	Fig.56	P
	5320 MHz	Fig.57	P
	5500 MHz	Fig.58	P
	5700 MHz	Fig.59	P

802.11ac HT20	5180 MHz	Fig.60	P
	5320 MHz	Fig.61	P
	5500 MHz	Fig.62	P
	5700 MHz	Fig.63	P

802.11n HT40	5190 MHz	Fig.64	P
	5310 MHz	Fig.65	P
	5510 MHz	Fig.66	P
	5670 MHz	Fig.67	P

802.11ac HT40	5190 MHz	Fig.68	P
	5310 MHz	Fig.69	P
	5510 MHz	Fig.70	P
	5670 MHz	Fig.71	P

802.11ac HT80	5210MHz	Fig.72	P
	5290MHz	Fig.73	P
	5530MHz	Fig.74	P

EUT ID: EUT2(UT15a)
Conclusion: PASS
Test graphs as below:

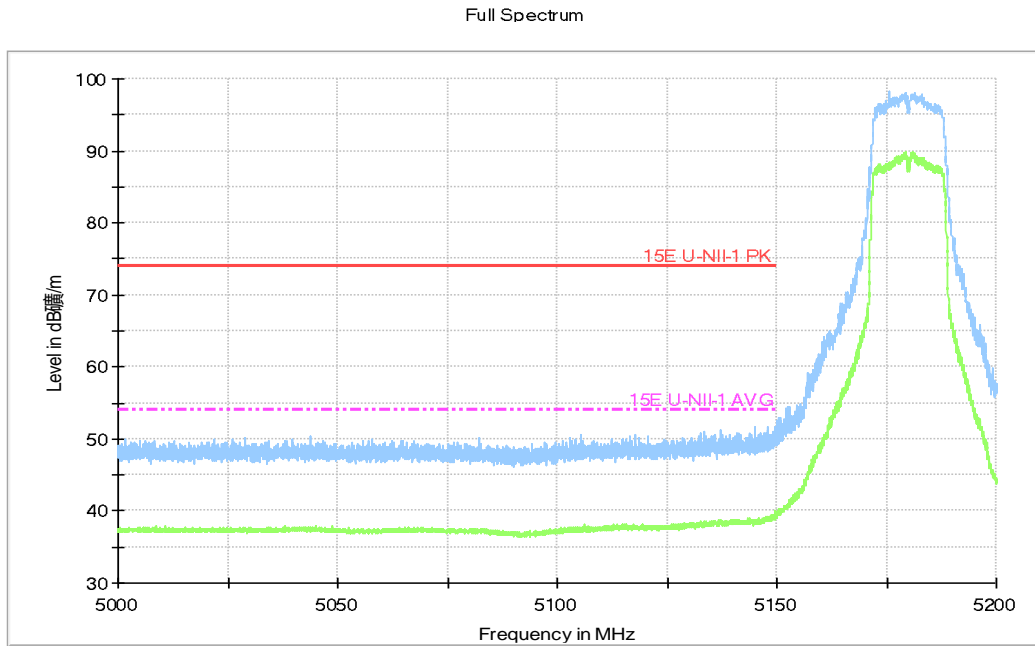


Fig.52 Band Edges (802.11a, 5180MHz)

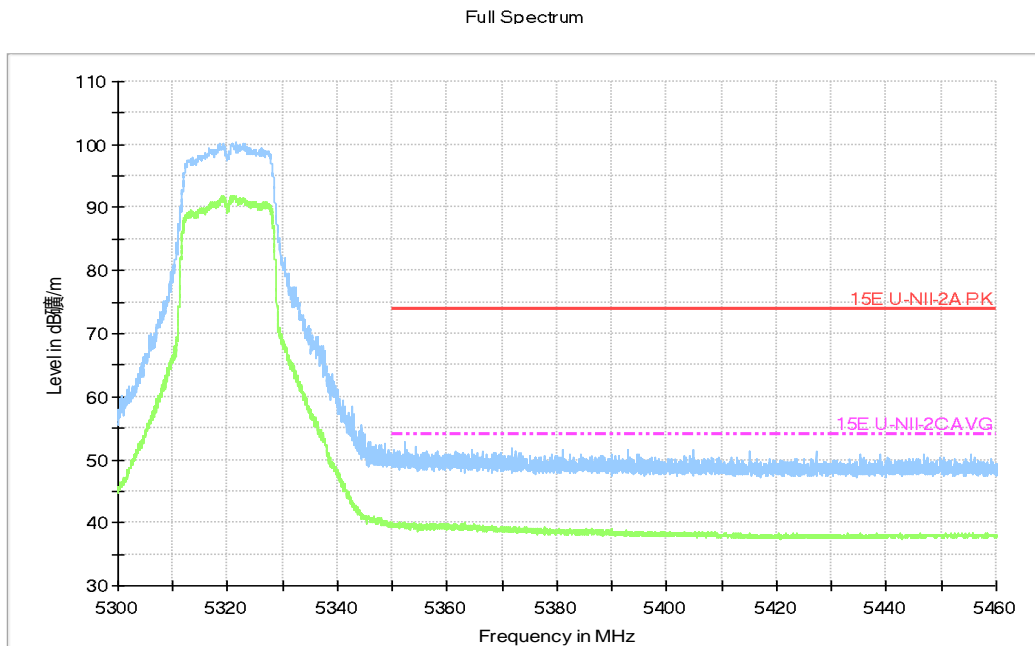


Fig.53 Band Edges (802.11a, 5320MHz)

Full Spectrum

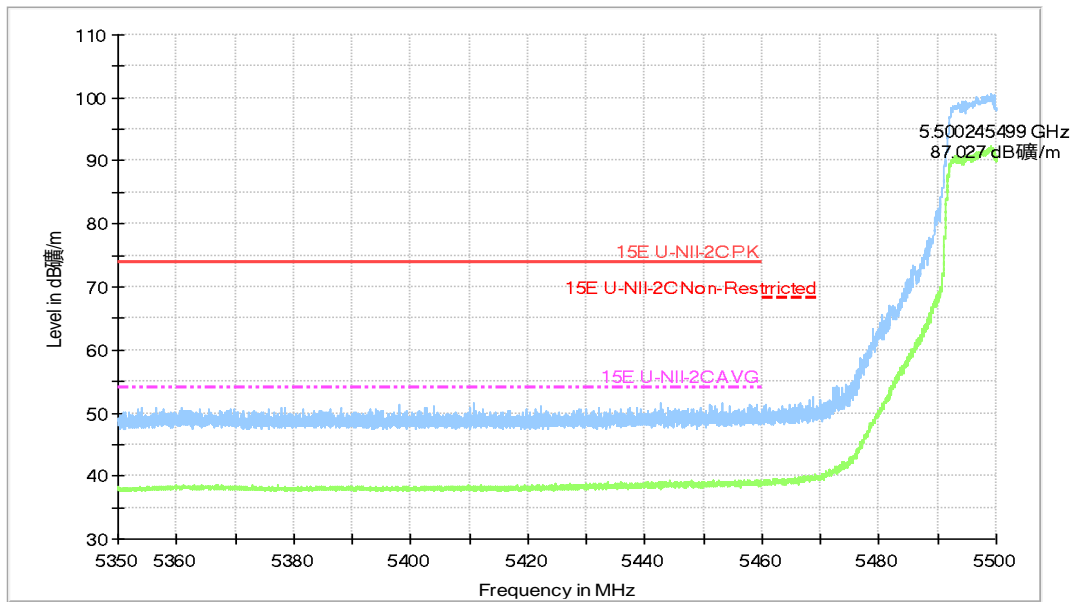


Fig.54 Band Edges (802.11a, 5500MHz)

Full Spectrum

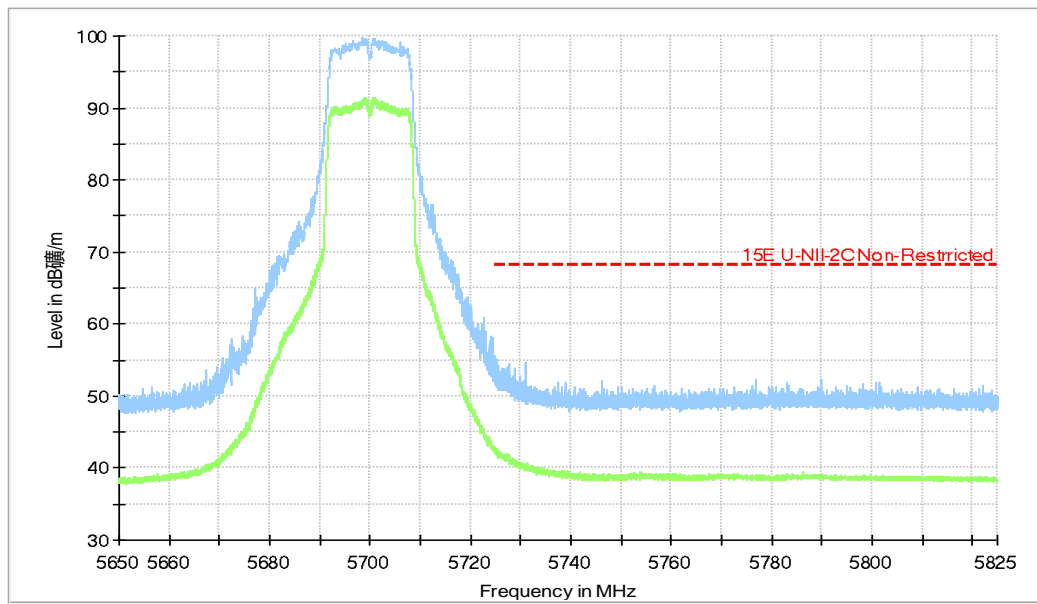


Fig.55 Band Edges (802.11a, 5700MHz)

Full Spectrum

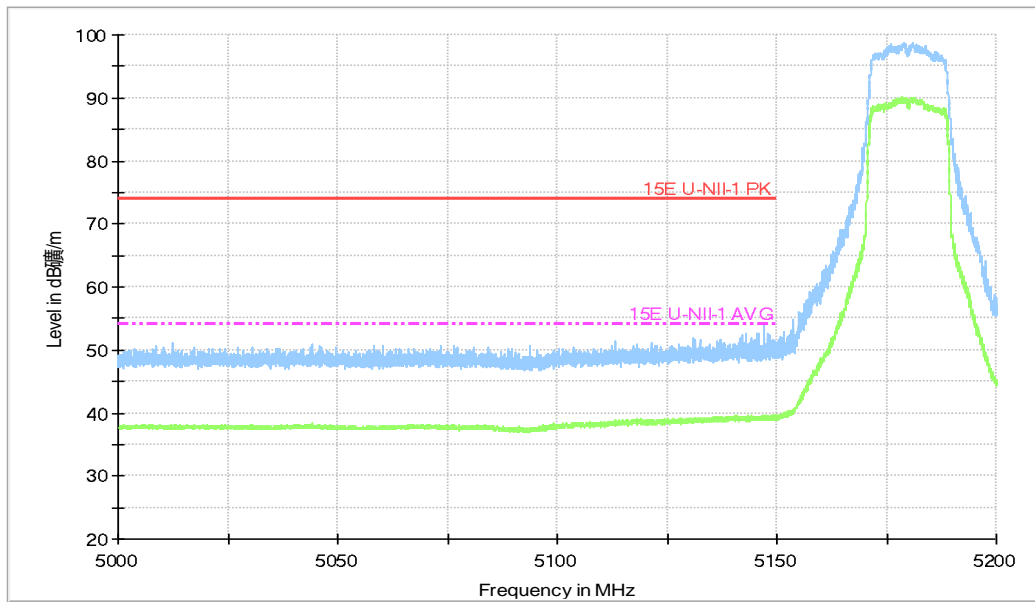


Fig.56 Band Edges (802.11n-HT20, 5180MHz)

Full Spectrum

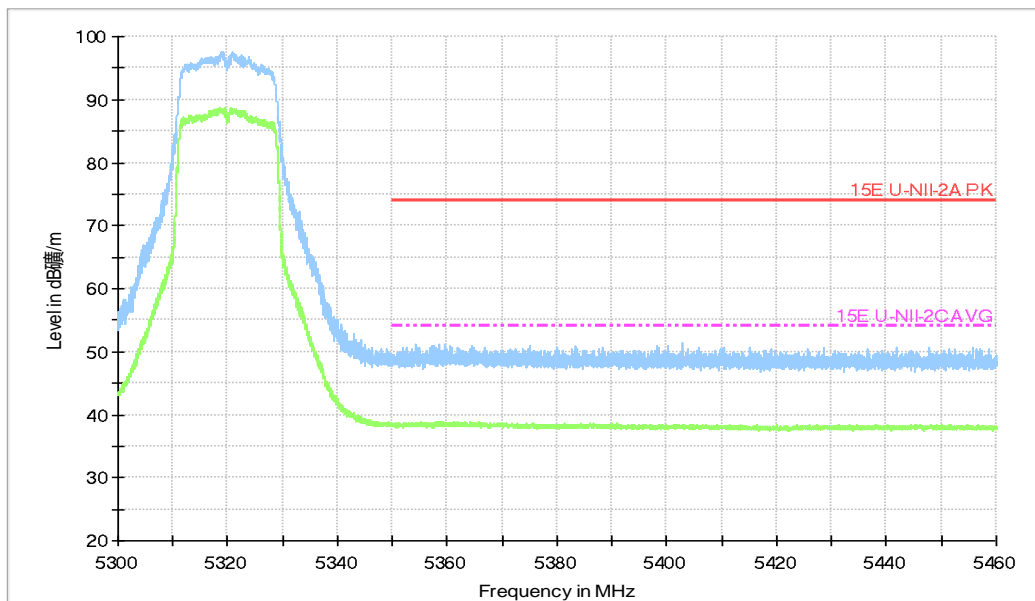


Fig.57 Band Edges (802.11n-HT20, 5320MHz)

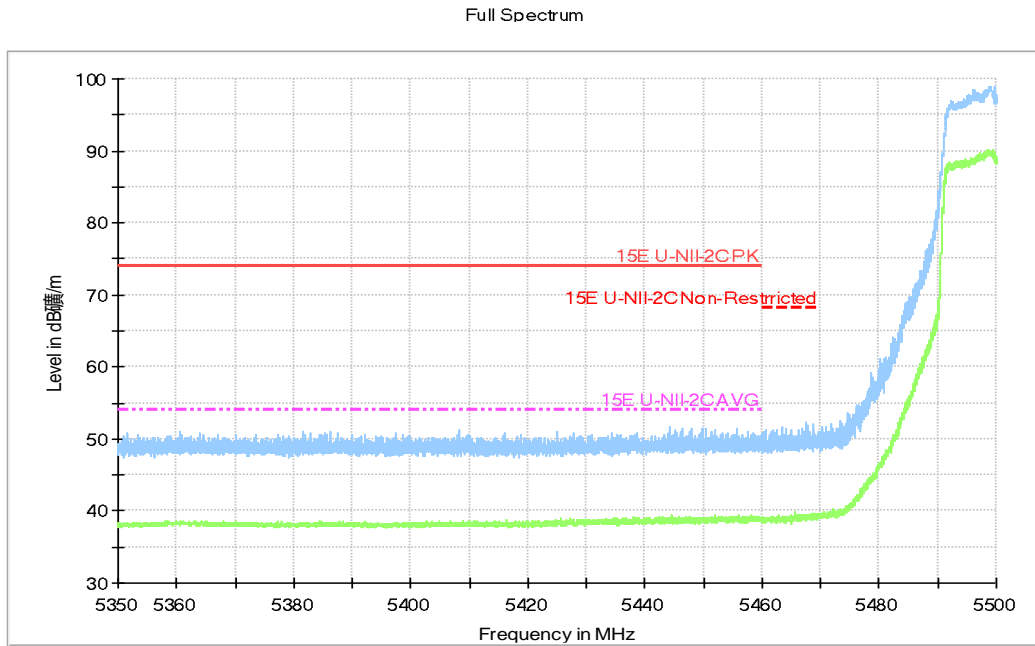


Fig.58 Band Edges (802.11n-HT20, 5500MHz)

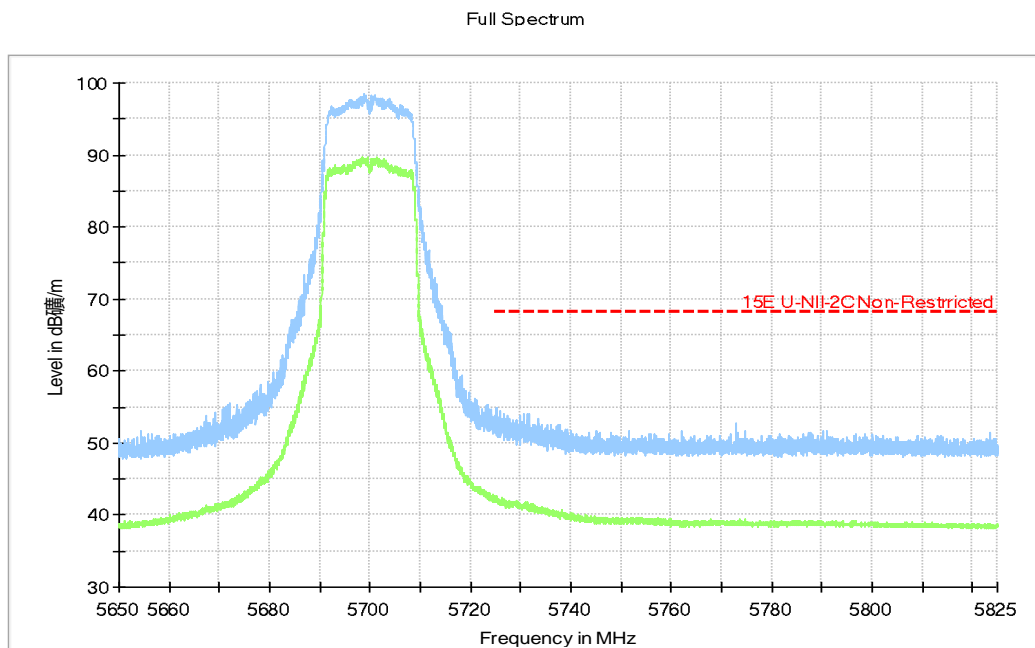


Fig.59 Band Edges (802.11n-HT20, 5700MHz)

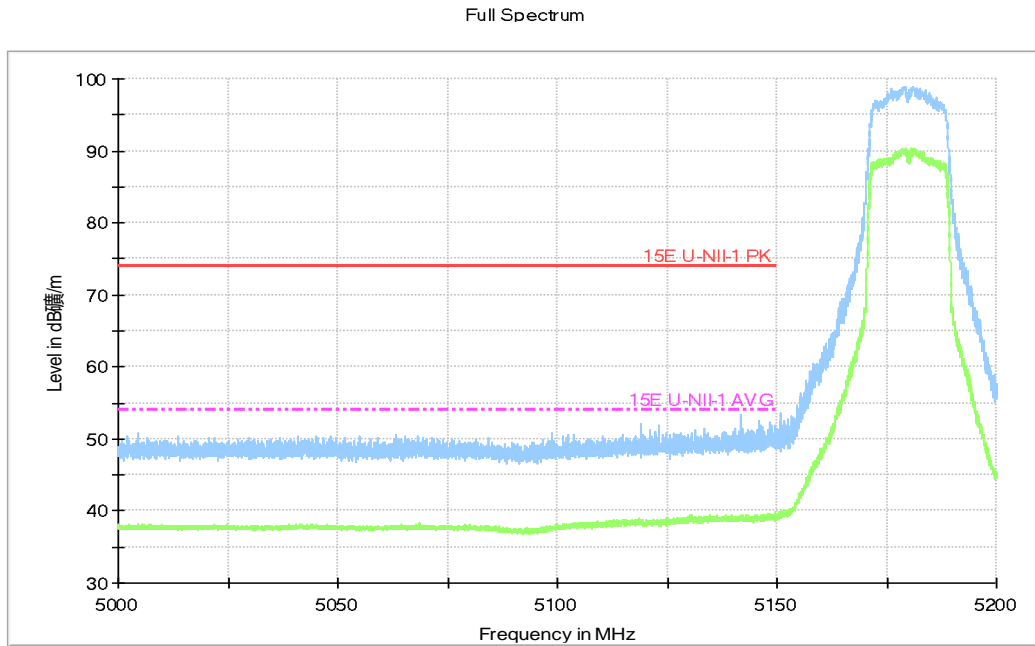


Fig.60 Band Edges (802.11ac-HT20, 5180MHz)

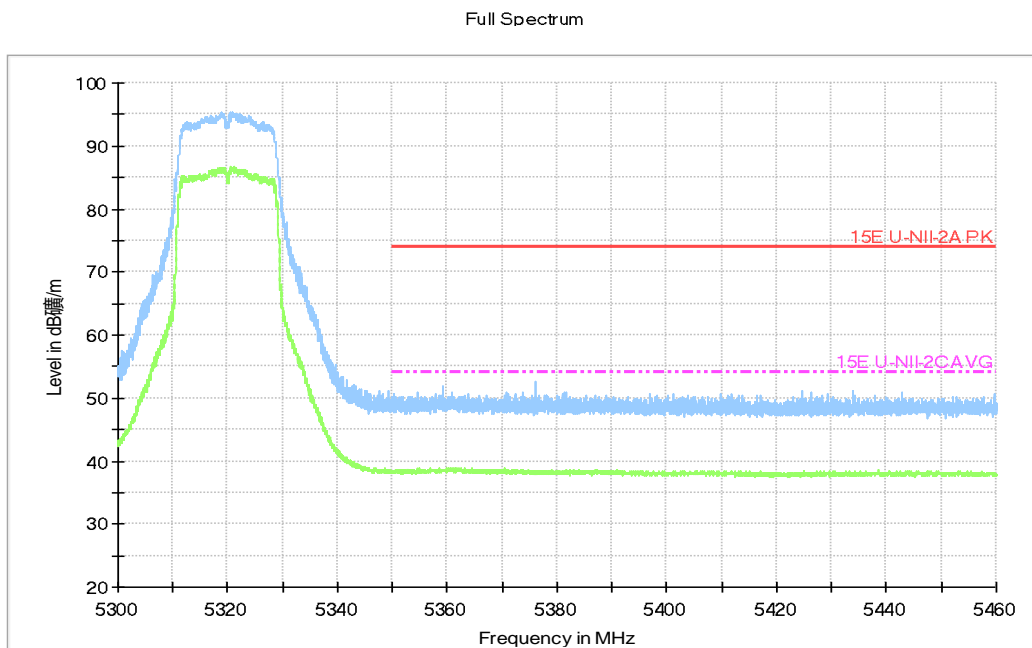


Fig.61 Band Edges (802.11ac-HT20, 5320MHz)

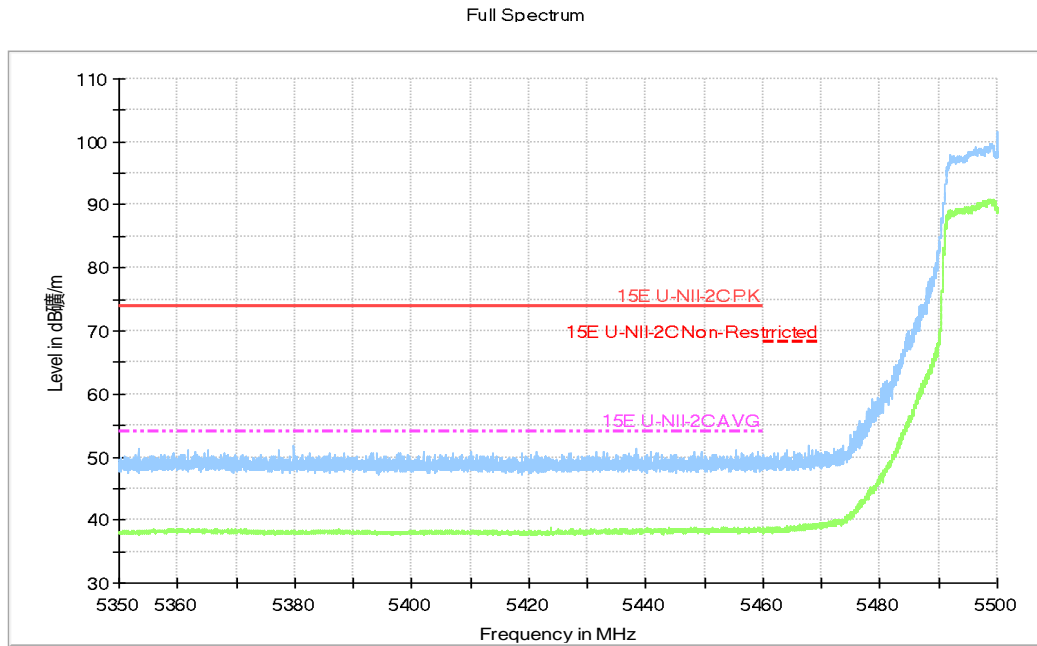


Fig.62 Band Edges (802.11ac-HT20, 5500MHz)

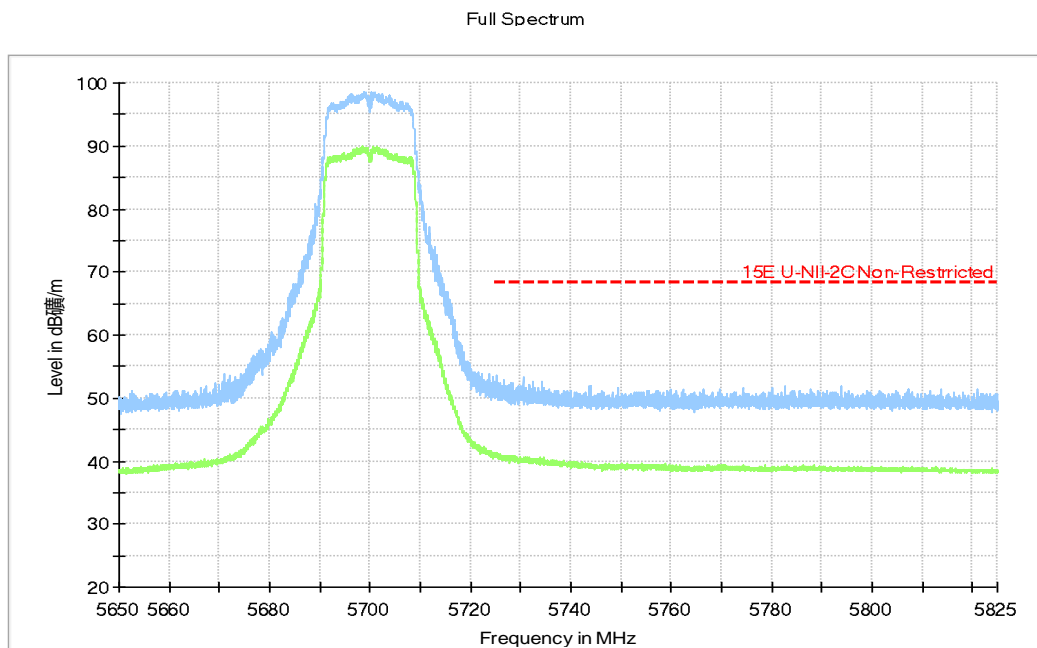


Fig.63 Band Edges (802.11ac-HT20, 5700MHz)

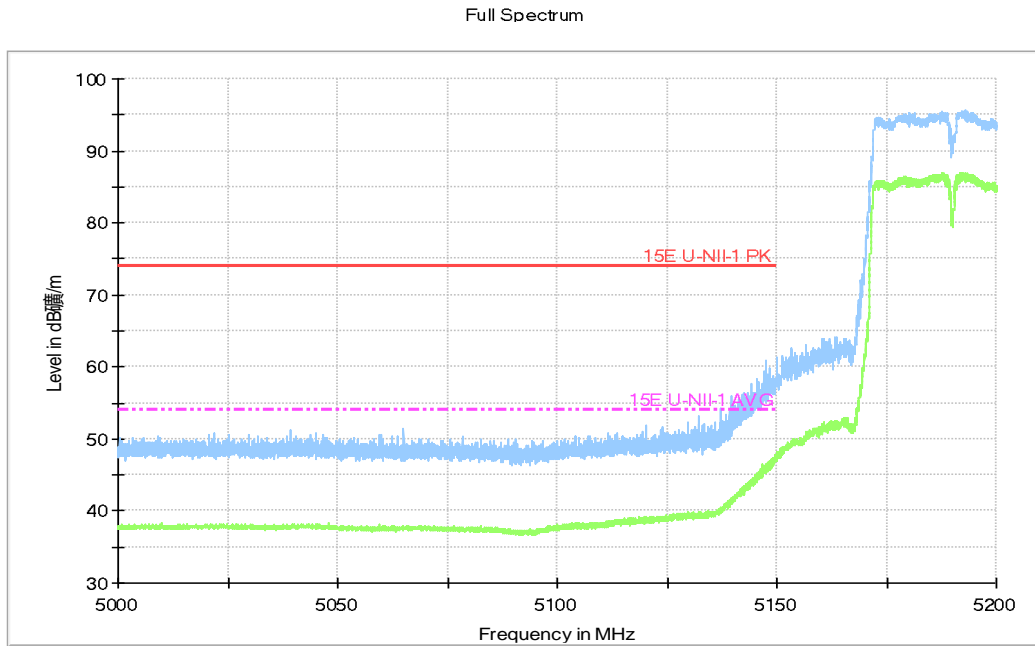


Fig.64 Band Edges (802.11n-HT40, 5190MHz)

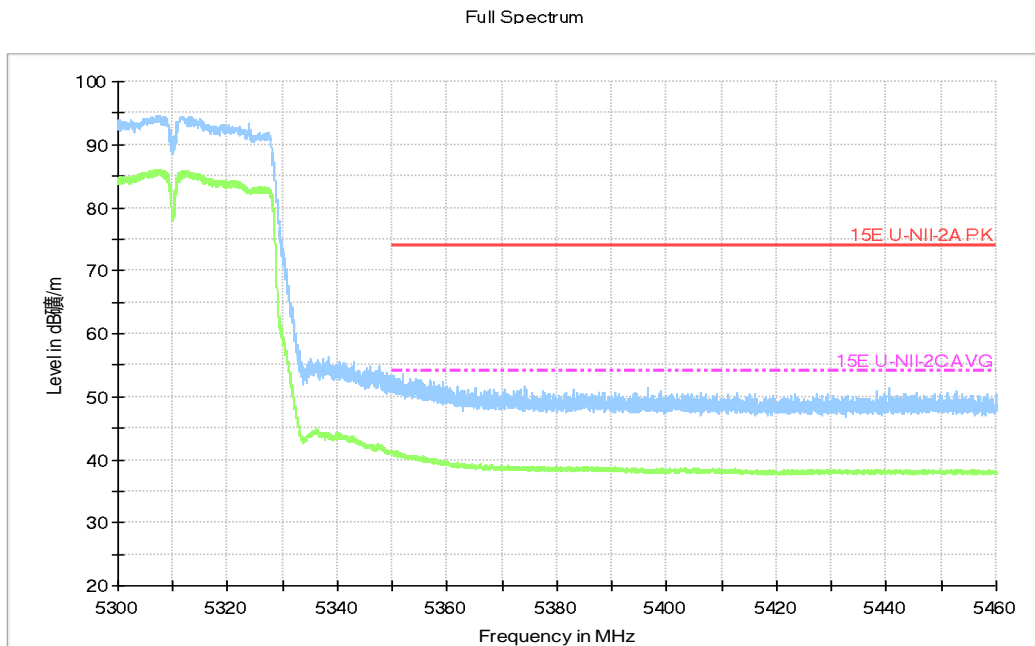


Fig.65 Band Edges (802.11n-HT40, 5310MHz)

Full Spectrum

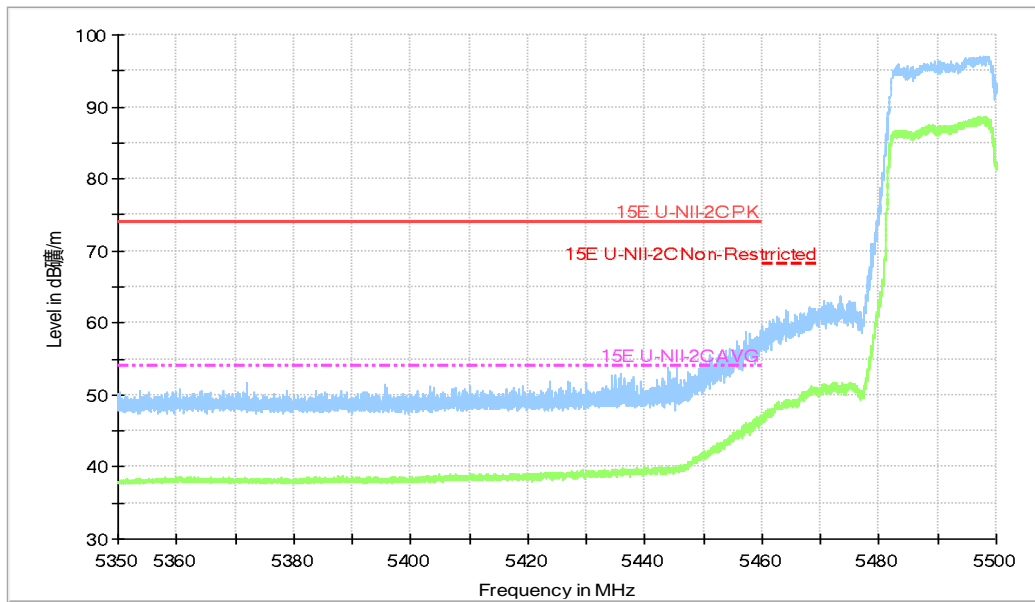


Fig.66 Band Edges (802.11n-HT40, 5510MHz)

Full Spectrum

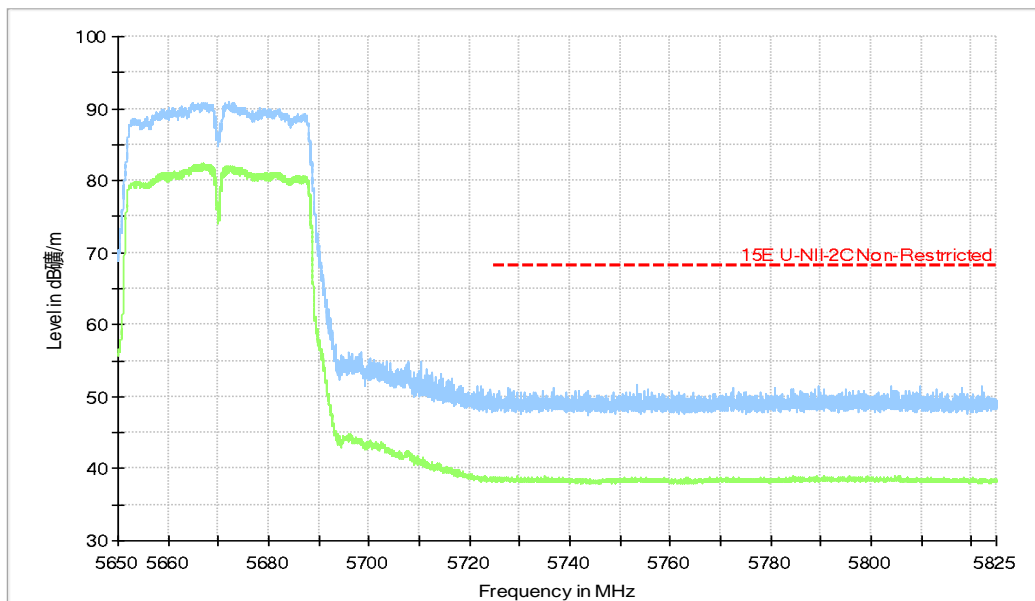


Fig.67 Band Edges (802.11n-HT40, 5670MHz)

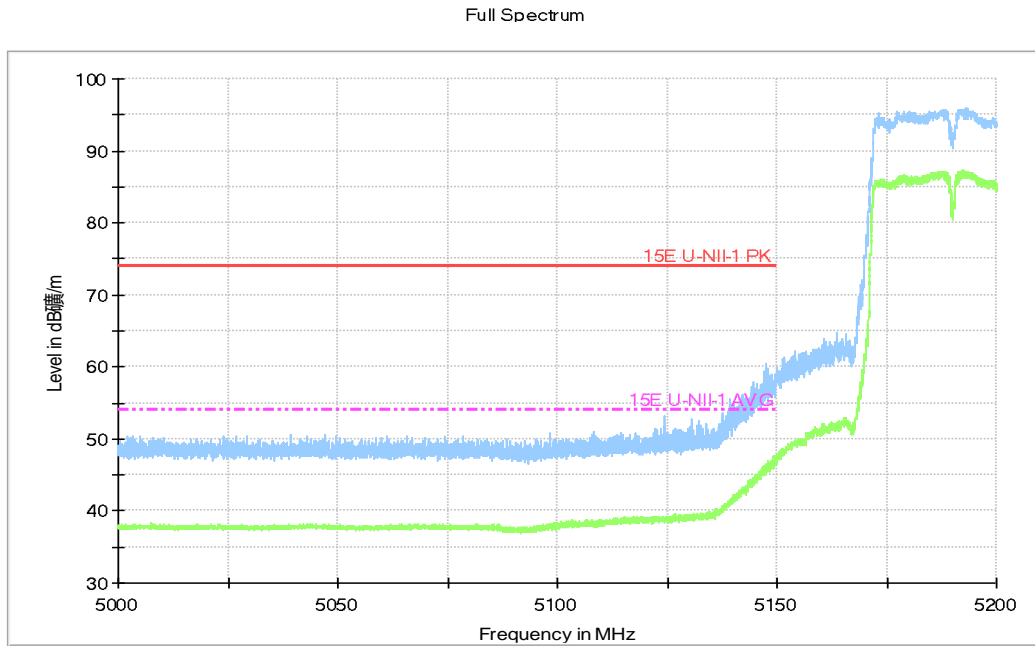


Fig.68 Band Edges (802.11ac-HT40, 5190MHz)

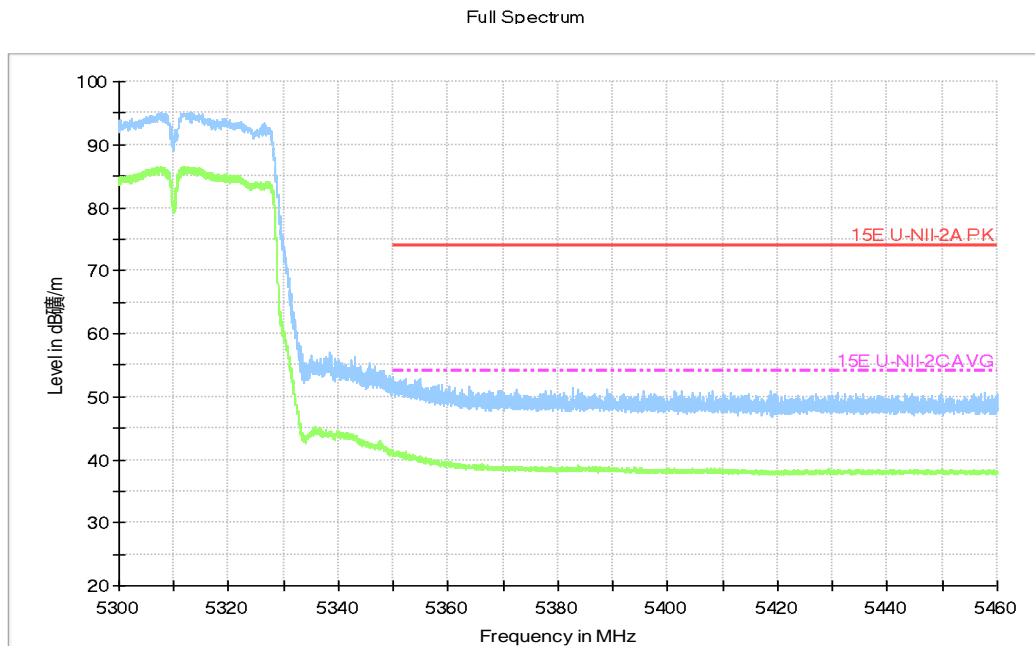


Fig.69 Band Edges (802.11ac-HT40, 5310MHz)

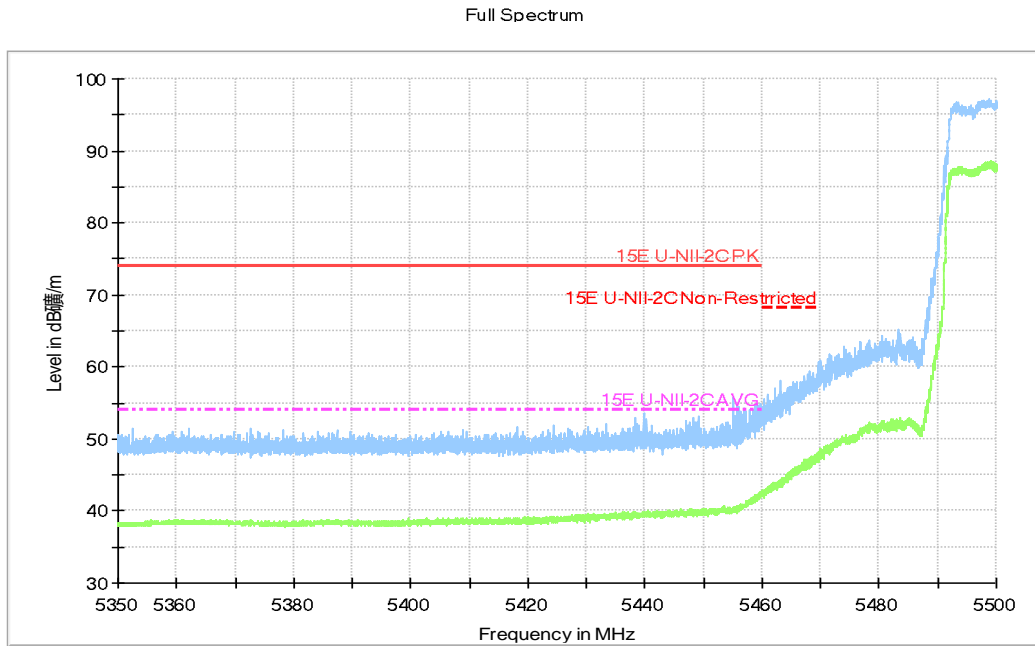


Fig.70 Band Edges (802.11ac-HT40, 5510MHz)

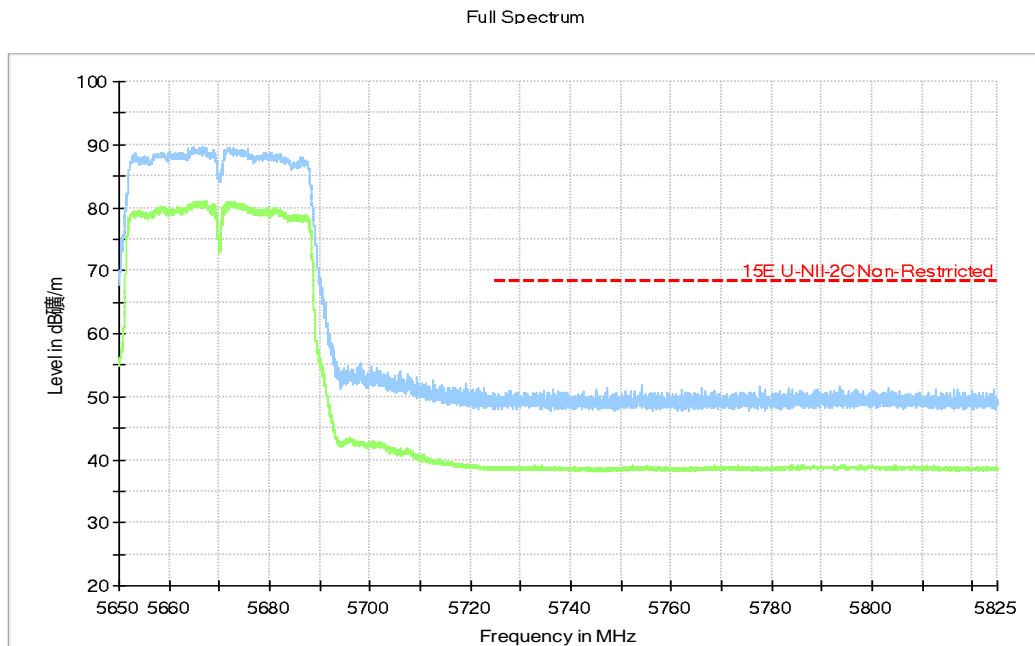


Fig.71 Band Edges (802.11ac-HT40, 5670MHz)

Full Spectrum

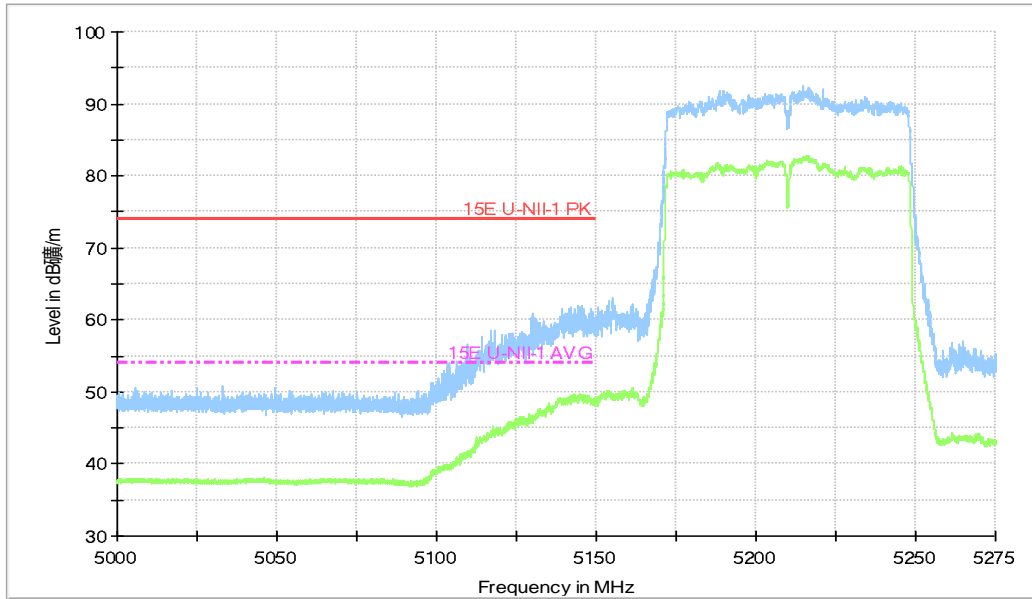


Fig.72 Band Edges (802.11ac-HT80, 5210MHz)

Full Spectrum

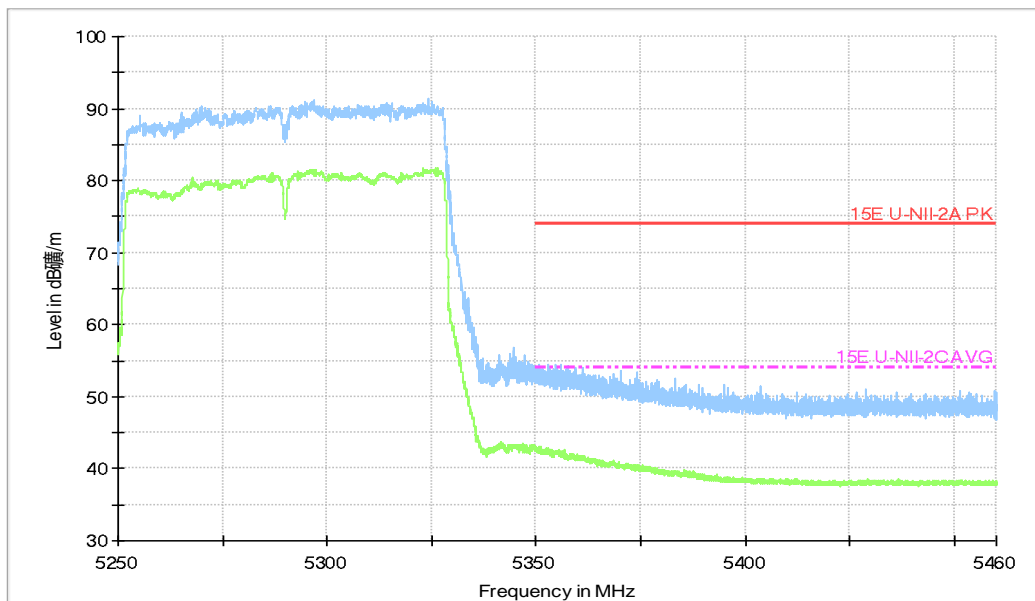


Fig.73 Band Edges (802.11ac-HT80, 5290MHz)

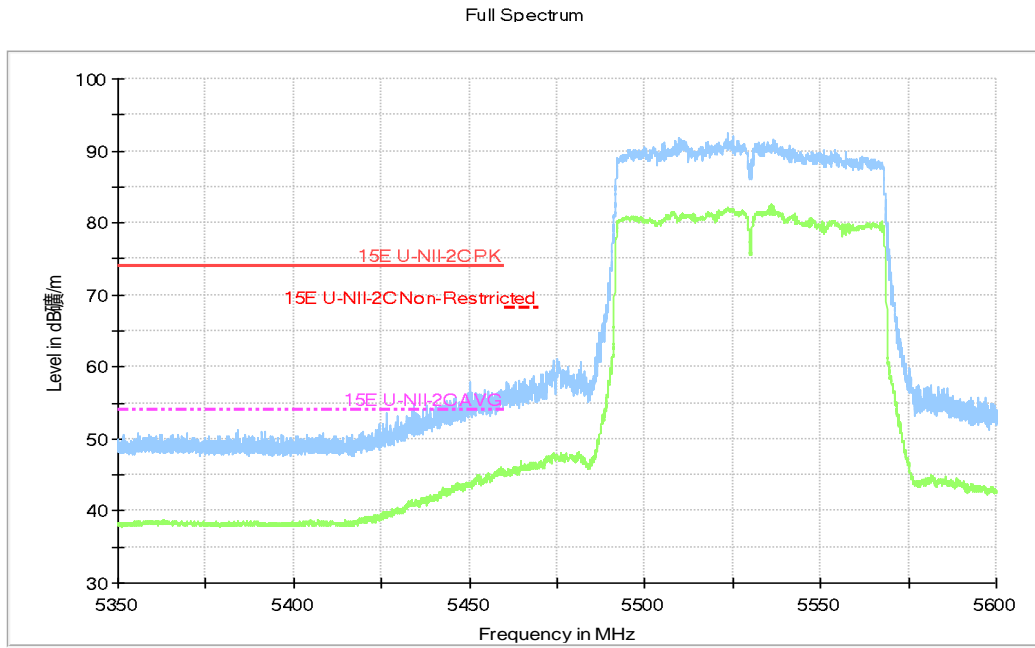


Fig.74 Band Edges (802.11ac-HT80, 5530MHz)

A.6. Transmitter Spurious Emission

Method of Measurement: See ANSI C63.10-2013-clause 6.4 & 6.5 & 6.6

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209	20dB below peak output power

radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limit in restricted band:

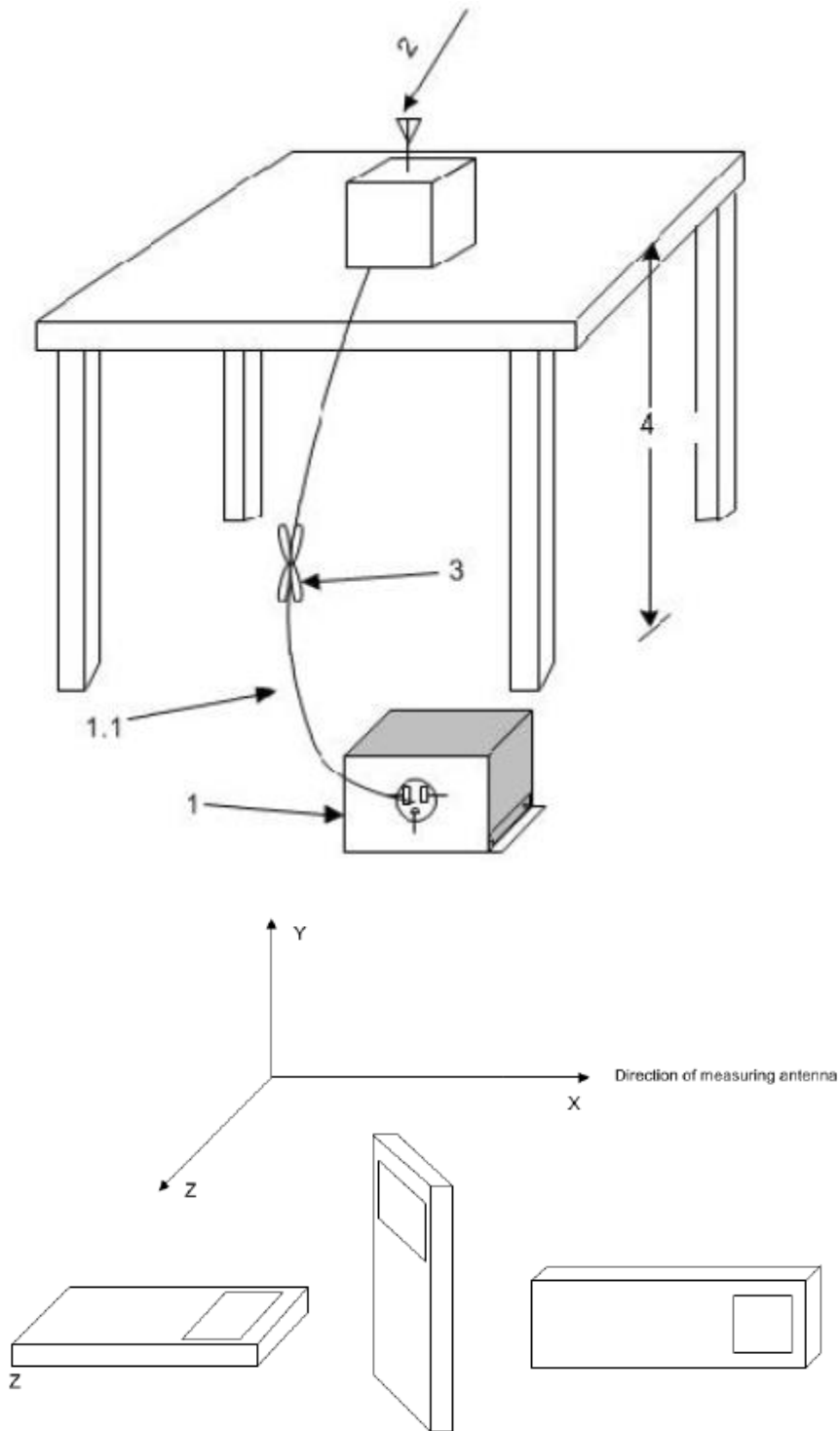
Frequency (MHz)	Field strength(μ V/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Set up:

Tabletop devices shall be placed on a nonconducting platform with nominal top surface dimensions 1 m by 1.5 m. For emissions testing at or below 1 GHz, the table height shall be 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m

The EUT and transmitting antenna shall be centered on the turntable.



Test Condition

The EUT shall be tested 1 near top, 1 near middle, and 1 near bottom. Set the unlicensed wireless device to operate in continuous transmit mode. For unlicensed wireless devices unable to be configured for 100% duty cycle even in test mode, configure the system for the maximum duty cycle supported.

When required for unlicensed wireless devices, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as

appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage.

Exploratory radiated emissions measurements

Exploratory radiated measurements shall be performed at the measurement distance or at a closer distance than that specified for compliance to determine the emission characteristics of the EUT and, if applicable, the EUT configuration that produces the maximum level of emissions. The frequencies of maximum emission may be determined by manually positioning the antenna close to the EUT, and then moving the antenna over all sides of the EUT while observing a spectral display. It is advantageous to have prior knowledge of the frequencies of emissions, although this may be determined from such a near-field scan. The near-field scan shall only be used to determine the frequency but not the amplitude of the emissions. Where exploratory measurements are not adequate to determine the worst-case operating modes and are used only to identify the frequencies of the highest emissions, additional preliminary tests can be required.

For emissions from the EUT, the maximum level shall be determined by rotating the EUT and its antenna through 0° to 360°. For each mode of operation required to be tested, the frequency spectrum (based on findings from exploratory measurements) shall be monitored.

Broadband antennas and a spectrum analyzer or a radio-noise meter with a panoramic display are often useful in this type of test. If either antenna height or EUT azimuth are not fully measured during exploratory testing, then complete testing can be required at the OATS or semi-anechoic chamber when the final full spectrum testing is performed.

Final radiated emissions measurements

The final measurements are using the orientation and equipment arrangement of the EUT based on the measurement results found during the preliminary (exploratory) measurements, the EUT arrangement, appropriate modulation, and modes of operation that produce the emissions that have the highest amplitude relative to the limit shall be selected for the final measurement.

For each mode of operation required to be tested, the frequency spectrum (based on findings from exploratory measurements) shall be monitored. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.

For each mode selected, record the frequency and amplitude of the highest fundamental emission (if applicable), as well as the frequency and amplitude of the six highest spurious emissions relative to the limit. Emissions more than 20 dB below the limit do not need to be reported.

This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The receiver references:

Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	100KHz/300KHz	5
1000-4000	1MHz/3MHz	15
4000-18000	1MHz/3MHz	40
18000-26500	1MHz/3MHz	20

P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

$$\text{Result} = P_{Mea} + \text{Cable Loss} + \text{Antenna Factor}$$

Where:

P_{Mea} field strength recorded from the instrument

Average

82.11a

Channel 36

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17984.600	46.80	-25.50	46.70	25.60	54.00	7.20	V
17956.500	46.70	-25.50	46.70	25.50	54.00	7.30	V
17963.200	46.70	-25.50	46.70	25.50	54.00	7.30	V
17953.800	46.50	-25.50	46.70	25.30	54.00	7.50	V
17976.300	46.50	-25.50	46.70	25.30	54.00	7.50	V
5149.700	40.00	-27.60	33.70	33.90	54.00	14.00	H

Channel 40

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17965.900	46.50	-25.50	46.70	25.30	54.00	7.50	V
17950.500	46.40	-25.50	46.70	25.20	54.00	7.60	V
17979.700	46.40	-25.50	46.70	25.20	54.00	7.60	V
17960.400	46.30	-25.50	46.70	25.10	54.00	7.70	V
17964.200	46.30	-25.50	46.70	25.10	54.00	7.70	V
17975.800	46.30	-25.50	46.70	25.10	54.00	7.70	V

Channel 48

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17976.300	46.50	-25.50	46.70	25.30	54.00	7.50	V
17951.600	46.40	-25.50	46.70	25.20	54.00	7.60	V
17987.300	46.40	-25.50	46.70	25.20	54.00	7.60	V
17992.800	46.40	-25.50	46.70	25.20	54.00	7.60	V
17998.300	46.40	-25.50	46.70	25.20	54.00	7.60	V
17977.500	46.30	-25.50	46.70	25.10	54.00	7.70	V

Channel 52

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17946.700	46.50	-25.50	46.70	25.30	54.00	7.50	V
17977.500	46.50	-25.50	46.70	25.30	54.00	7.50	V
17985.200	46.50	-25.50	46.70	25.30	54.00	7.50	V
17989.000	46.50	-25.50	46.70	25.30	54.00	7.50	V
17997.800	46.50	-25.50	46.70	25.30	54.00	7.50	V
17974.700	46.40	-25.50	46.70	25.20	54.00	7.60	V

Channel 56

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17973.600	46.60	-25.50	46.70	25.40	54.00	7.40	V
17980.200	46.40	-25.50	46.70	25.20	54.00	7.60	V
17983.500	46.40	-25.50	46.70	25.20	54.00	7.60	V
17978.000	46.30	-25.50	46.70	25.10	54.00	7.70	V
17981.300	46.30	-25.50	46.70	25.10	54.00	7.70	V
17984.000	46.30	-25.50	46.70	25.10	54.00	7.70	V

Channel 64

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17962.600	46.80	-25.50	46.70	25.60	54.00	7.20	V
17952.200	46.50	-25.50	46.70	25.30	54.00	7.50	V
17969.800	46.50	-25.50	46.70	25.30	54.00	7.50	V
17973.600	46.50	-25.50	46.70	25.30	54.00	7.50	V
17989.500	46.50	-25.50	46.70	25.30	54.00	7.50	V
5350.000	40.20	-27.40	34.00	33.60	54.00	13.80	H

Channel 100

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17984.600	46.70	-25.50	46.70	25.50	54.00	7.30	V
17975.200	46.50	-25.50	46.70	25.30	54.00	7.50	V
17972.000	46.40	-25.50	46.70	25.20	54.00	7.60	V
17980.800	46.40	-25.50	46.70	25.20	54.00	7.60	V
17992.800	46.40	-25.50	46.70	25.20	54.00	7.60	V
5455.300	39.40	-27.20	34.20	32.40	54.00	14.60	H

Channel 120

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17994.500	46.60	-25.50	46.70	25.40	54.00	7.40	V
17968.100	46.50	-25.50	46.70	25.30	54.00	7.50	V
17977.500	46.40	-25.50	46.70	25.20	54.00	7.60	V
17979.100	46.40	-25.50	46.70	25.20	54.00	7.60	V
17991.200	46.40	-25.50	46.70	25.20	54.00	7.60	V
17995.600	46.40	-25.50	46.70	25.20	54.00	7.60	V

Channel 140

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17973.600	46.50	-25.50	46.70	25.30	54.00	7.50	V
17959.800	46.40	-25.50	46.70	25.20	54.00	7.60	V
17987.900	46.40	-25.50	46.70	25.20	54.00	7.60	V
17954.900	46.30	-25.50	46.70	25.10	54.00	7.70	V
17998.900	46.30	-25.50	46.70	25.10	54.00	7.70	V
5725.000	43.00	-27.10	34.30	35.80	54.00	11.00	H

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Channel 36

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17953.200	46.70	-25.50	46.70	25.50	54.00	7.30	V
17963.200	46.60	-25.50	46.70	25.40	54.00	7.40	V
17983.500	46.60	-25.50	46.70	25.40	54.00	7.40	V
17973.000	46.50	-25.50	46.70	25.30	54.00	7.50	V
17982.400	46.50	-25.50	46.70	25.30	54.00	7.50	V
5148.100	39.70	-27.60	33.70	33.60	54.00	14.30	H

Channel 40

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17963.200	46.70	-25.50	46.70	25.50	54.00	7.30	V
17974.700	46.70	-25.50	46.70	25.50	54.00	7.30	V
17964.200	46.60	-25.50	46.70	25.40	54.00	7.40	V
17973.600	46.60	-25.50	46.70	25.40	54.00	7.40	V
17980.800	46.60	-25.50	46.70	25.40	54.00	7.40	V
17992.800	46.60	-25.50	46.70	25.40	54.00	7.40	V

Channel 48

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17969.800	46.80	-25.50	46.70	25.60	54.00	7.20	V
17953.200	46.70	-25.50	46.70	25.50	54.00	7.30	V
17940.000	46.60	-25.50	46.70	25.40	54.00	7.40	V
17972.000	46.60	-25.50	46.70	25.40	54.00	7.40	V
17976.300	46.60	-25.50	46.70	25.40	54.00	7.40	V
17977.500	46.60	-25.50	46.70	25.40	54.00	7.40	V

Channel 52

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17954.300	46.90	-25.50	46.70	25.70	54.00	7.10	V
17963.200	46.90	-25.50	46.70	25.70	54.00	7.10	V
17969.800	46.80	-25.50	46.70	25.60	54.00	7.20	V
17970.800	46.80	-25.50	46.70	25.60	54.00	7.20	V
17979.100	46.80	-25.50	46.70	25.60	54.00	7.20	V
17997.800	46.80	-25.50	46.70	25.60	54.00	7.20	V

Channel 56

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.200	46.90	-25.50	46.70	25.70	54.00	7.10	V
17998.900	46.90	-25.50	46.70	25.70	54.00	7.10	V
17991.800	46.80	-25.50	46.70	25.60	54.00	7.20	V
17962.600	46.70	-25.50	46.70	25.50	54.00	7.30	V
17974.200	46.70	-25.50	46.70	25.50	54.00	7.30	V
17981.800	46.70	-25.50	46.70	25.50	54.00	7.30	V

Channel 64

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17985.200	47.00	-25.50	46.70	25.80	54.00	7.00	V
17984.600	46.90	-25.50	46.70	25.70	54.00	7.10	V
17959.800	46.80	-25.50	46.70	25.60	54.00	7.20	V
17963.200	46.80	-25.50	46.70	25.60	54.00	7.20	V
17970.300	46.80	-25.50	46.70	25.60	54.00	7.20	V
5364.100	38.90	-27.40	34.00	32.30	54.00	15.10	V

Channel 100

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17965.900	46.80	-25.50	46.70	25.60	54.00	7.20	V
17978.500	46.70	-25.50	46.70	25.50	54.00	7.30	V
17997.800	46.70	-25.50	46.70	25.50	54.00	7.30	V
17998.300	46.70	-25.50	46.70	25.50	54.00	7.30	V
17986.200	46.60	-25.50	46.70	25.40	54.00	7.40	V
5451.900	39.40	-27.20	34.20	32.40	54.00	14.60	H

Channel 120

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17987.300	47.00	-25.50	46.70	25.80	54.00	7.00	V
17974.200	46.80	-25.50	46.70	25.60	54.00	7.20	V
17992.800	46.80	-25.50	46.70	25.60	54.00	7.20	V
17959.300	46.70	-25.50	46.70	25.50	54.00	7.30	V
17956.000	46.60	-25.50	46.70	25.40	54.00	7.40	V
17989.500	46.60	-25.50	46.70	25.40	54.00	7.40	V

Channel 140

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17975.800	46.90	-25.50	46.70	25.70	54.00	7.10	V
17989.500	46.80	-25.50	46.70	25.60	54.00	7.20	V
17978.500	46.70	-25.50	46.70	25.50	54.00	7.30	V
17992.300	46.70	-25.50	46.70	25.50	54.00	7.30	V
17962.000	46.60	-25.50	46.70	25.40	54.00	7.40	V
5725.300	42.60	-27.10	34.30	35.40	54.00	11.40	H

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Channel 38

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17976.300	46.80	-25.50	46.70	25.60	54.00	7.20	V
17959.800	46.70	-25.50	46.70	25.50	54.00	7.30	V
17981.300	46.70	-25.50	46.70	25.50	54.00	7.30	V
17984.000	46.70	-25.50	46.70	25.50	54.00	7.30	V
17969.200	46.60	-25.50	46.70	25.40	54.00	7.40	V
5149.900	48.20	-27.60	33.70	42.10	54.00	5.80	H

Channel 46

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17976.300	46.80	-25.50	46.70	25.60	54.00	7.20	V
17936.800	46.70	-25.50	46.70	25.50	54.00	7.30	V
17968.700	46.70	-25.50	46.70	25.50	54.00	7.30	V
17981.800	46.70	-25.50	46.70	25.50	54.00	7.30	V
17968.100	46.60	-25.50	46.70	25.40	54.00	7.40	V
17981.300	46.60	-25.50	46.70	25.40	54.00	7.40	V

Channel 54

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17985.200	47.10	-25.50	46.70	25.90	54.00	6.90	V
17979.100	47.00	-25.50	46.70	25.80	54.00	7.00	V
17990.100	46.80	-25.50	46.70	25.60	54.00	7.20	V
17944.500	46.70	-25.50	46.70	25.50	54.00	7.30	V
17989.500	46.70	-25.50	46.70	25.50	54.00	7.30	V
17991.800	46.70	-25.50	46.70	25.50	54.00	7.30	V

Channel 62

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17987.900	46.80	-25.50	46.70	25.60	54.00	7.20	V
17950.000	46.70	-25.50	46.70	25.50	54.00	7.30	V
17954.300	46.70	-25.50	46.70	25.50	54.00	7.30	V
17972.500	46.70	-25.50	46.70	25.50	54.00	7.30	V
17975.200	46.70	-25.50	46.70	25.50	54.00	7.30	V
5350.100	41.40	-27.40	34.00	34.80	54.00	12.60	V

Channel 102

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17961.000	46.80	-25.50	46.70	25.60	54.00	7.20	V
17992.300	46.80	-25.50	46.70	25.60	54.00	7.20	V
17951.600	46.60	-25.50	46.70	25.40	54.00	7.40	V
17952.200	46.60	-25.50	46.70	25.40	54.00	7.40	V
17971.400	46.60	-25.50	46.70	25.40	54.00	7.40	V
5459.600	47.10	-27.20	34.20	40.10	54.00	6.90	H

Channel 118

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17974.200	46.80	-25.50	46.70	25.60	54.00	7.20	V
17980.800	46.80	-25.50	46.70	25.60	54.00	7.20	V
17981.300	46.70	-25.50	46.70	25.50	54.00	7.30	V
17989.500	46.70	-25.50	46.70	25.50	54.00	7.30	V
17998.900	46.70	-25.50	46.70	25.50	54.00	7.30	V
17959.800	46.60	-25.50	46.70	25.40	54.00	7.40	V

Channel 134

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17989.000	46.80	-25.50	46.70	25.60	54.00	7.20	V
17964.200	46.70	-25.50	46.70	25.50	54.00	7.30	V
17970.800	46.70	-25.50	46.70	25.50	54.00	7.30	V
17974.700	46.70	-25.50	46.70	25.50	54.00	7.30	V
17984.000	46.70	-25.50	46.70	25.50	54.00	7.30	V
5729.600	39.00	-27.10	34.30	31.80	54.00	15.00	V

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Channel 36

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17974.200	46.70	-25.50	46.70	25.50	54.00	7.30	V
17950.000	46.60	-25.50	46.70	25.40	54.00	7.40	V
17990.100	46.60	-25.50	46.70	25.40	54.00	7.40	V
17991.800	46.60	-25.50	46.70	25.40	54.00	7.40	V
17992.800	46.60	-25.50	46.70	25.40	54.00	7.40	V
5148.200	39.60	-27.60	33.70	33.50	54.00	14.40	H

Channel 40

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17972.000	46.70	-25.50	46.70	25.50	54.00	7.30	V
17985.200	46.70	-25.50	46.70	25.50	54.00	7.30	V
17990.100	46.60	-25.50	46.70	25.40	54.00	7.40	V
17998.900	46.60	-25.50	46.70	25.40	54.00	7.40	V
17967.500	46.50	-25.50	46.70	25.30	54.00	7.50	V
17968.700	46.50	-25.50	46.70	25.30	54.00	7.50	V

Channel 48

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17971.400	46.80	-25.50	46.70	25.60	54.00	7.20	V
17985.200	46.70	-25.50	46.70	25.50	54.00	7.30	V
17978.500	46.60	-25.50	46.70	25.40	54.00	7.40	V
17962.600	46.50	-25.50	46.70	25.30	54.00	7.50	V
17967.500	46.50	-25.50	46.70	25.30	54.00	7.50	V
17982.400	46.50	-25.50	46.70	25.30	54.00	7.50	V

Channel 52

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17978.500	46.90	-25.50	46.70	25.70	54.00	7.10	V
17990.100	46.90	-25.50	46.70	25.70	54.00	7.10	V
17956.500	46.80	-25.50	46.70	25.60	54.00	7.20	V
17968.100	46.80	-25.50	46.70	25.60	54.00	7.20	V
17986.200	46.80	-25.50	46.70	25.60	54.00	7.20	V
17989.000	46.70	-25.50	46.70	25.50	54.00	7.30	V

Channel 56

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17994.000	46.90	-25.50	46.70	25.70	54.00	7.10	V
17951.000	46.80	-25.50	46.70	25.60	54.00	7.20	V
17993.400	46.80	-25.50	46.70	25.60	54.00	7.20	V
17996.700	46.80	-25.50	46.70	25.60	54.00	7.20	V
17973.600	46.70	-25.50	46.70	25.50	54.00	7.30	V
17983.000	46.70	-25.50	46.70	25.50	54.00	7.30	V

Channel 64

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17946.700	46.80	-25.50	46.70	25.60	54.00	7.20	V
17991.200	46.80	-25.50	46.70	25.60	54.00	7.20	V
17964.800	46.70	-25.50	46.70	25.50	54.00	7.30	V
17973.000	46.70	-25.50	46.70	25.50	54.00	7.30	V
17993.400	46.70	-25.50	46.70	25.50	54.00	7.30	V
5358.400	38.90	-27.40	34.00	32.30	54.00	15.10	V

Channel 100

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17979.100	46.80	-25.50	46.70	25.60	54.00	7.20	V
17985.700	46.80	-25.50	46.70	25.60	54.00	7.20	V
17994.500	46.80	-25.50	46.70	25.60	54.00	7.20	V
17966.500	46.70	-25.50	46.70	25.50	54.00	7.30	V
17968.700	46.70	-25.50	46.70	25.50	54.00	7.30	V
5458.400	39.00	-27.20	34.20	32.00	54.00	15.00	H

Channel 120

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17943.300	46.90	-25.50	46.70	25.70	54.00	7.10	V
17961.000	46.90	-25.50	46.70	25.70	54.00	7.10	V
17985.200	46.80	-25.50	46.70	25.60	54.00	7.20	V
17995.000	46.80	-25.50	46.70	25.60	54.00	7.20	V
17955.500	46.70	-25.50	46.70	25.50	54.00	7.30	V
17976.900	46.70	-25.50	46.70	25.50	54.00	7.30	V

Channel 140

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17986.200	46.80	-25.50	46.70	25.60	54.00	7.20	V
17994.500	46.80	-25.50	46.70	25.60	54.00	7.20	V
17980.200	46.70	-25.50	46.70	25.50	54.00	7.30	V
17987.300	46.70	-25.50	46.70	25.50	54.00	7.30	V
17949.400	46.60	-25.50	46.70	25.40	54.00	7.40	V
5725.100	41.30	-27.10	34.30	34.10	54.00	12.70	H

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Channel 38

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17990.100	46.90	-25.50	46.70	25.70	54.00	7.10	V
17972.000	46.60	-25.50	46.70	25.40	54.00	7.40	V
17990.700	46.60	-25.50	46.70	25.40	54.00	7.40	V
17949.400	46.50	-25.50	46.70	25.30	54.00	7.50	V
17951.600	46.50	-25.50	46.70	25.30	54.00	7.50	V
5149.400	47.60	-27.60	33.70	41.50	54.00	6.40	H

Channel 46

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17963.700	47.00	-25.50	46.70	25.80	54.00	7.00	V
17963.200	46.80	-25.50	46.70	25.60	54.00	7.20	V
17991.200	46.80	-25.50	46.70	25.60	54.00	7.20	V
17997.800	46.60	-25.50	46.70	25.40	54.00	7.40	V
17954.900	46.50	-25.50	46.70	25.30	54.00	7.50	V
17969.800	46.50	-25.50	46.70	25.30	54.00	7.50	V

Channel 54

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17985.200	47.00	-25.50	46.70	25.80	54.00	7.00	V
17975.800	46.90	-25.50	46.70	25.70	54.00	7.10	V
17980.800	46.90	-25.50	46.70	25.70	54.00	7.10	V
17964.200	46.70	-25.50	46.70	25.50	54.00	7.30	V
17966.500	46.70	-25.50	46.70	25.50	54.00	7.30	V
17968.700	46.70	-25.50	46.70	25.50	54.00	7.30	V

Channel 62

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17961.000	46.90	-25.50	46.70	25.70	54.00	7.10	V
17991.800	46.90	-25.50	46.70	25.70	54.00	7.10	V
17961.500	46.80	-25.50	46.70	25.60	54.00	7.20	V
17974.700	46.80	-25.50	46.70	25.60	54.00	7.20	V
17977.500	46.80	-25.50	46.70	25.60	54.00	7.20	V
5350.500	41.40	-27.40	34.00	34.80	54.00	12.60	V

Channel 102

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17983.000	46.70	-25.50	46.70	25.50	54.00	7.30	V
17981.300	46.60	-25.50	46.70	25.40	54.00	7.40	V
17960.400	46.50	-25.50	46.70	25.30	54.00	7.50	V
17970.800	46.50	-25.50	46.70	25.30	54.00	7.50	V
17980.800	46.50	-25.50	46.70	25.30	54.00	7.50	V
5459.900	42.80	-27.20	34.20	35.80	54.00	11.20	H

Channel 118

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17972.500	46.80	-25.50	46.70	25.60	54.00	7.20	V
17983.000	46.70	-25.50	46.70	25.50	54.00	7.30	V
17936.200	46.50	-25.50	46.70	25.30	54.00	7.50	V
17951.600	46.50	-25.50	46.70	25.30	54.00	7.50	V
17982.400	46.50	-25.50	46.70	25.30	54.00	7.50	V
17997.800	46.50	-25.50	46.70	25.30	54.00	7.50	V

Channel 134

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17951.000	46.50	-25.50	46.70	25.30	54.00	7.50	V
17962.000	46.50	-25.50	46.70	25.30	54.00	7.50	V
17973.600	46.50	-25.50	46.70	25.30	54.00	7.50	V
17976.300	46.50	-25.50	46.70	25.30	54.00	7.50	V
17991.800	46.50	-25.50	46.70	25.30	54.00	7.50	V
5727.000	39.00	-27.10	34.30	31.80	54.00	15.00	H

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Channel 42

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17983.500	47.00	-25.50	46.70	25.80	54.00	7.00	V
17983.000	46.90	-25.50	46.70	25.70	54.00	7.10	V
17990.700	46.90	-25.50	46.70	25.70	54.00	7.10	V
17956.500	46.80	-25.50	46.70	25.60	54.00	7.20	V
17966.500	46.80	-25.50	46.70	25.60	54.00	7.20	V
5142.900	49.70	-27.60	33.70	43.60	54.00	4.30	H

Channel 58

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17981.300	46.80	-25.50	46.70	25.60	54.00	7.20	V
17996.700	46.80	-25.50	46.70	25.60	54.00	7.20	V
17997.200	46.80	-25.50	46.70	25.60	54.00	7.20	V
17972.000	46.70	-25.50	46.70	25.50	54.00	7.30	V
17973.000	46.70	-25.50	46.70	25.50	54.00	7.30	V
5350.800	43.10	-27.40	34.00	36.50	54.00	10.90	V

Channel 106

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17986.800	46.80	-25.50	46.70	25.60	54.00	7.20	V
17987.900	46.80	-25.50	46.70	25.60	54.00	7.20	V
17967.000	46.70	-25.50	46.70	25.50	54.00	7.30	V
17945.500	46.60	-25.50	46.70	25.40	54.00	7.40	V
17954.900	46.60	-25.50	46.70	25.40	54.00	7.40	V
5458.600	45.90	-27.20	34.20	38.90	54.00	8.10	H

Peak

802.11a

Channel 36

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17964.200	58.00	-25.50	46.70	36.80	74.00	16.00	V
17972.000	58.00	-25.50	46.70	36.80	74.00	16.00	V
17996.200	57.90	-25.50	46.70	36.70	74.00	16.10	V
17941.200	57.80	-25.50	46.70	36.60	74.00	16.20	V
17965.900	57.80	-25.50	46.70	36.60	74.00	16.20	V
5149.700	51.80	-27.60	33.70	45.70	74.00	22.20	V

Channel 40

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17967.000	57.70	-25.50	46.70	36.50	74.00	16.30	V
17950.500	57.30	-25.50	46.70	36.10	74.00	16.70	V
17962.600	57.30	-25.50	46.70	36.10	74.00	16.70	V
17984.600	57.20	-25.50	46.70	36.00	74.00	16.80	V
17994.000	57.20	-25.50	46.70	36.00	74.00	16.80	V
17994.500	57.20	-25.50	46.70	36.00	74.00	16.80	V

Channel 48

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17977.500	59.00	-25.50	46.70	37.80	74.00	15.00	V
17951.600	58.30	-25.50	46.70	37.10	74.00	15.70	V
17959.300	57.70	-25.50	46.70	36.50	74.00	16.30	V
17956.000	57.50	-25.50	46.70	36.30	74.00	16.50	V
17963.200	57.50	-25.50	46.70	36.30	74.00	16.50	V
17997.200	57.50	-25.50	46.70	36.30	74.00	16.50	V

Channel 52

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17970.800	57.90	-25.50	46.70	36.70	74.00	16.10	V
17998.300	57.70	-25.50	46.70	36.50	74.00	16.30	V
17984.000	57.50	-25.50	46.70	36.30	74.00	16.50	V
17942.800	57.40	-25.50	46.70	36.20	74.00	16.60	V
17962.600	57.00	-25.50	46.70	35.80	74.00	17.00	V
17969.200	57.00	-25.50	46.70	35.80	74.00	17.00	V

Channel 56

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17936.800	58.70	-25.50	46.70	37.50	74.00	15.30	V
17973.600	57.60	-25.50	46.70	36.40	74.00	16.40	V
17984.600	57.40	-25.50	46.70	36.20	74.00	16.60	V
17799.800	57.20	-25.50	46.70	36.00	74.00	16.80	V
17985.200	57.10	-25.50	46.70	35.90	74.00	16.90	V
17937.800	57.00	-25.50	46.70	35.80	74.00	17.00	V

Channel 64

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.200	57.80	-25.50	46.70	36.60	74.00	16.20	V
17985.200	57.40	-25.50	46.70	36.20	74.00	16.60	V
17878.500	57.20	-25.50	46.70	36.00	74.00	16.80	V
17885.600	57.20	-25.50	46.70	36.00	74.00	16.80	V
17952.200	57.20	-25.50	46.70	36.00	74.00	16.80	V
5352.200	52.90	-27.40	34.00	46.30	74.00	21.10	H

Channel 100

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17981.800	58.40	-25.50	46.70	37.20	74.00	15.60	V
17978.500	58.20	-25.50	46.70	37.00	74.00	15.80	V
17958.200	57.80	-25.50	46.70	36.60	74.00	16.20	V
17979.100	57.80	-25.50	46.70	36.60	74.00	16.20	V
17898.200	57.70	-25.50	46.70	36.50	74.00	16.30	V
5453.200	51.70	-27.20	34.20	44.70	68.30	16.60	H

Channel 120

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17945.500	58.60	-25.50	46.70	37.40	74.00	15.40	V
17950.000	58.40	-25.50	46.70	37.20	74.00	15.60	V
17948.300	57.70	-25.50	46.70	36.50	74.00	16.30	V
17922.500	57.60	-25.50	46.70	36.40	74.00	16.40	V
17989.000	57.60	-25.50	46.70	36.40	74.00	16.40	V
17979.100	57.50	-25.50	46.70	36.30	74.00	16.50	V

Channel 140

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17962.600	58.00	-25.50	46.70	36.80	74.00	16.00	V
17996.700	57.90	-25.50	46.70	36.70	74.00	16.10	V
17994.500	57.60	-25.50	46.70	36.40	74.00	16.40	V
17979.100	57.50	-25.50	46.70	36.30	74.00	16.50	V
17863.000	57.30	-25.50	46.70	36.10	74.00	16.70	V
5725.100	55.10	-27.10	34.30	47.90	68.30	13.20	H

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Channel 36

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17997.800	58.90	-25.50	46.70	37.70	74.00	15.10	V
17983.000	58.40	-25.50	46.70	37.20	74.00	15.60	V
17973.600	57.70	-25.50	46.70	36.50	74.00	16.30	V
17974.700	57.70	-25.50	46.70	36.50	74.00	16.30	V
17880.100	57.60	-25.50	46.70	36.40	74.00	16.40	V
5147.100	54.30	-27.60	33.70	48.20	74.00	19.70	H

Channel 40

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17991.800	58.20	-25.50	46.70	37.00	74.00	15.80	V
17957.700	58.10	-25.50	46.70	36.90	74.00	15.90	V
17969.200	57.90	-25.50	46.70	36.70	74.00	16.10	V
17885.000	57.80	-25.50	46.70	36.60	74.00	16.20	V
17956.500	57.80	-25.50	46.70	36.60	74.00	16.20	V
17874.000	57.70	-25.50	46.70	36.50	74.00	16.30	V

Channel 48

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17964.200	57.80	-25.50	46.70	36.60	74.00	16.20	V
17968.700	57.80	-25.50	46.70	36.60	74.00	16.20	V
17980.800	57.80	-25.50	46.70	36.60	74.00	16.20	V
17954.300	57.70	-25.50	46.70	36.50	74.00	16.30	V
17880.100	57.60	-25.50	46.70	36.40	74.00	16.40	V
17967.000	57.60	-25.50	46.70	36.40	74.00	16.40	V

Channel 52

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17895.500	58.20	-25.50	46.70	37.00	74.00	15.80	V
17953.200	58.20	-25.50	46.70	37.00	74.00	15.80	V
17887.800	58.10	-25.50	46.70	36.90	74.00	15.90	V
17980.800	58.00	-25.50	46.70	36.80	74.00	16.00	V
17983.000	58.00	-25.50	46.70	36.80	74.00	16.00	V
17874.000	57.90	-25.50	46.70	36.70	74.00	16.10	V

Channel 56

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17998.900	57.90	-25.50	46.70	36.70	74.00	16.10	V
17951.600	57.80	-25.50	46.70	36.60	74.00	16.20	V
17956.000	57.80	-25.50	46.70	36.60	74.00	16.20	V
17851.000	57.70	-25.50	46.70	36.50	74.00	16.30	V
17996.700	57.70	-25.50	46.70	36.50	74.00	16.30	V
17965.300	57.60	-25.50	46.70	36.40	74.00	16.40	V

Channel 64

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17926.800	58.40	-25.50	46.70	37.20	74.00	15.60	V
17972.500	58.10	-25.50	46.70	36.90	74.00	15.90	V
17904.800	58.00	-25.50	46.70	36.80	74.00	16.00	V
17942.200	58.00	-25.50	46.70	36.80	74.00	16.00	V
17947.200	57.90	-25.50	46.70	36.70	74.00	16.10	V
5354.300	51.20	-27.40	34.00	44.60	74.00	22.80	V

Channel 100

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17981.800	58.20	-25.50	46.70	37.00	74.00	15.80	V
17961.000	57.70	-25.50	46.70	36.50	74.00	16.30	V
17951.000	57.60	-25.50	46.70	36.40	74.00	16.40	V
17989.500	57.60	-25.50	46.70	36.40	74.00	16.40	V
17993.400	57.60	-25.50	46.70	36.40	74.00	16.40	V
5450.500	51.50	-27.20	34.20	44.50	68.30	16.80	H

Channel 120

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17896.000	58.50	-25.50	46.70	37.30	74.00	15.50	V
17945.500	58.00	-25.50	46.70	36.80	74.00	16.00	V
17870.800	57.80	-25.50	46.70	36.60	74.00	16.20	V
17978.500	57.80	-25.50	46.70	36.60	74.00	16.20	V
17887.200	57.70	-25.50	46.70	36.50	74.00	16.30	V
17967.000	57.70	-25.50	46.70	36.50	74.00	16.30	V

Channel 140

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17973.600	58.80	-25.50	46.70	37.60	74.00	15.20	V
17948.800	58.70	-25.50	46.70	37.50	74.00	15.30	V
17978.500	57.80	-25.50	46.70	36.60	74.00	16.20	V
17970.800	57.60	-25.50	46.70	36.40	74.00	16.40	V
17998.900	57.60	-25.50	46.70	36.40	74.00	16.40	V
5725.100	55.00	-27.10	34.30	47.80	74.00	19.00	H

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Channel 38

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17981.800	58.80	-25.50	46.70	37.60	74.00	15.20	V
17968.700	58.00	-25.50	46.70	36.80	74.00	16.00	V
17851.000	57.70	-25.50	46.70	36.50	74.00	16.30	V
17973.600	57.60	-25.50	46.70	36.40	74.00	16.40	V
17904.300	57.40	-25.50	46.70	36.20	74.00	16.60	V
5147.600	61.00	-27.60	33.70	54.90	74.00	13.00	H

Channel 46

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17946.700	58.70	-25.50	46.70	37.50	74.00	15.30	V
17899.300	58.60	-25.50	46.70	37.40	74.00	15.40	V
17933.500	58.00	-25.50	46.70	36.80	74.00	16.00	V
17983.500	58.00	-25.50	46.70	36.80	74.00	16.00	V
17986.200	57.90	-25.50	46.70	36.70	74.00	16.10	V
17992.300	57.80	-25.50	46.70	36.60	74.00	16.20	V

Channel 54

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17954.900	58.20	-25.50	46.70	37.00	74.00	15.80	V
17980.200	58.20	-25.50	46.70	37.00	74.00	15.80	V
17877.900	58.10	-25.50	46.70	36.90	74.00	15.90	V
17945.000	58.10	-25.50	46.70	36.90	74.00	15.90	V
17969.800	58.10	-25.50	46.70	36.90	74.00	15.90	V
17986.800	58.10	-25.50	46.70	36.90	74.00	15.90	V

Channel 62

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17912.500	58.20	-25.50	46.70	37.00	74.00	15.80	V
17965.300	58.20	-25.50	46.70	37.00	74.00	15.80	V
17953.200	57.90	-25.50	46.70	36.70	74.00	16.10	V
17993.400	57.90	-25.50	46.70	36.70	74.00	16.10	V
17991.200	57.70	-25.50	46.70	36.50	74.00	16.30	V
5351.800	53.60	-27.40	34.00	47.00	74.00	20.40	V

Channel 102

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17957.700	58.10	-25.50	46.70	36.90	74.00	15.90	V
17934.000	57.80	-25.50	46.70	36.60	74.00	16.20	V
17992.300	57.70	-25.50	46.70	36.50	74.00	16.30	V
17955.500	57.60	-25.50	46.70	36.40	74.00	16.40	V
17902.700	57.50	-25.50	46.70	36.30	74.00	16.50	V
5459.600	59.00	-27.20	34.20	52.00	68.30	9.30	H

Channel 118

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17975.800	58.10	-25.50	46.70	36.90	74.00	15.90	V
17952.200	57.90	-25.50	46.70	36.70	74.00	16.10	V
17986.800	57.80	-25.50	46.70	36.60	74.00	16.20	V
17995.000	57.80	-25.50	46.70	36.60	74.00	16.20	V
17991.200	57.60	-25.50	46.70	36.40	74.00	16.40	V
17980.200	57.50	-25.50	46.70	36.30	74.00	16.50	V

Channel 134

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17971.400	58.30	-25.50	46.70	37.10	74.00	15.70	V
17938.400	58.20	-25.50	46.70	37.00	74.00	15.80	V
17945.500	57.80	-25.50	46.70	36.60	74.00	16.20	V
17980.800	57.70	-25.50	46.70	36.50	74.00	16.30	V
17947.200	57.60	-25.50	46.70	36.40	74.00	16.40	V
5727.800	51.30	-27.10	34.30	44.10	68.30	17.00	H

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Channel 36

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17958.200	57.80	-25.50	46.70	36.60	74.00	16.20	V
17865.200	57.60	-25.50	46.70	36.40	74.00	16.40	V
17956.000	57.60	-25.50	46.70	36.40	74.00	16.40	V
17990.100	57.50	-25.50	46.70	36.30	74.00	16.50	V
17983.500	57.40	-25.50	46.70	36.20	74.00	16.60	V
5141.600	53.50	-27.60	33.70	47.40	74.00	20.50	H

Channel 40

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17924.700	58.60	-25.50	46.70	37.40	74.00	15.40	V
17994.500	58.40	-25.50	46.70	37.20	74.00	15.60	V
17979.700	58.20	-25.50	46.70	37.00	74.00	15.80	V
17983.500	58.20	-25.50	46.70	37.00	74.00	15.80	V
17987.300	58.10	-25.50	46.70	36.90	74.00	15.90	V
17878.500	57.90	-25.50	46.70	36.70	74.00	16.10	V

Channel 48

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17981.300	58.10	-25.50	46.70	36.90	74.00	15.90	V
17954.300	57.60	-25.50	46.70	36.40	74.00	16.40	V
17862.500	57.40	-25.50	46.70	36.20	74.00	16.60	V
17952.200	57.40	-25.50	46.70	36.20	74.00	16.60	V
17920.200	57.30	-25.50	46.70	36.10	74.00	16.70	V
17961.500	57.30	-25.50	46.70	36.10	74.00	16.70	V

Channel 52

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17952.700	57.90	-25.50	46.70	36.70	74.00	16.10	V
17930.200	57.70	-25.50	46.70	36.50	74.00	16.30	V
17954.900	57.70	-25.50	46.70	36.50	74.00	16.30	V
17941.200	57.50	-25.50	46.70	36.30	74.00	16.50	V
17957.100	57.50	-25.50	46.70	36.30	74.00	16.50	V
17968.700	57.50	-25.50	46.70	36.30	74.00	16.50	V

Channel 56

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17980.200	58.60	-25.50	46.70	37.40	74.00	15.40	V
17982.400	57.80	-25.50	46.70	36.60	74.00	16.20	V
17948.800	57.70	-25.50	46.70	36.50	74.00	16.30	V
17978.500	57.70	-25.50	46.70	36.50	74.00	16.30	V
17983.000	57.60	-25.50	46.70	36.40	74.00	16.40	V
17997.800	57.60	-25.50	46.70	36.40	74.00	16.40	V

Channel 64

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17975.200	59.20	-25.50	46.70	38.00	74.00	14.80	V
17983.000	58.80	-25.50	46.70	37.60	74.00	15.20	V
17977.500	58.70	-25.50	46.70	37.50	74.00	15.30	V
17844.300	57.70	-25.50	46.70	36.50	74.00	16.30	V
17986.200	57.70	-25.50	46.70	36.50	74.00	16.30	V
5359.200	51.90	-27.40	34.00	45.30	74.00	22.10	V

Channel 100

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17991.200	58.90	-25.50	46.70	37.70	74.00	15.10	V
17943.300	58.70	-25.50	46.70	37.50	74.00	15.30	V
17946.100	57.60	-25.50	46.70	36.40	74.00	16.40	V
17950.000	57.60	-25.50	46.70	36.40	74.00	16.40	V
17891.700	57.50	-25.50	46.70	36.30	74.00	16.50	V
5455.500	51.20	-27.20	34.20	44.20	68.30	17.10	V

Channel 120

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17942.200	58.70	-25.50	46.70	37.50	74.00	15.30	V
17969.200	57.70	-25.50	46.70	36.50	74.00	16.30	V
17969.800	57.70	-25.50	46.70	36.50	74.00	16.30	V
17967.000	57.60	-25.50	46.70	36.40	74.00	16.40	V
17968.700	57.50	-25.50	46.70	36.30	74.00	16.50	V
17970.300	57.50	-25.50	46.70	36.30	74.00	16.50	V

Channel 140

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17967.000	58.10	-25.50	46.70	36.90	74.00	15.90	V
17985.200	58.10	-25.50	46.70	36.90	74.00	15.90	V
17843.200	57.80	-25.50	46.70	36.60	74.00	16.20	V
17974.200	57.80	-25.50	46.70	36.60	74.00	16.20	V
17972.000	57.70	-25.50	46.70	36.50	74.00	16.30	V
5725.300	53.70	-27.10	34.30	46.50	74.00	20.30	H

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Channel 38

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17965.900	58.20	-25.50	46.70	37.00	74.00	15.80	V
17996.700	57.70	-25.50	46.70	36.50	74.00	16.30	V
17950.500	57.60	-25.50	46.70	36.40	74.00	16.40	V
17961.500	57.50	-25.50	46.70	36.30	74.00	16.50	V
17978.500	57.40	-25.50	46.70	36.20	74.00	16.60	V
5147.400	60.50	-27.60	33.70	54.40	74.00	13.50	H

Channel 46

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17953.800	57.80	-25.50	46.70	36.60	74.00	16.20	V
17921.300	57.70	-25.50	46.70	36.50	74.00	16.30	V
17958.800	57.70	-25.50	46.70	36.50	74.00	16.30	V
17992.300	57.70	-25.50	46.70	36.50	74.00	16.30	V
17994.500	57.40	-25.50	46.70	36.20	74.00	16.60	V
17944.500	57.30	-25.50	46.70	36.10	74.00	16.70	V

Channel 54

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17943.900	58.50	-25.50	46.70	37.30	74.00	15.50	V
17940.600	58.10	-25.50	46.70	36.90	74.00	15.90	V
17980.200	58.10	-25.50	46.70	36.90	74.00	15.90	V
17980.800	58.10	-25.50	46.70	36.90	74.00	15.90	V
17996.700	58.10	-25.50	46.70	36.90	74.00	15.90	V
17976.300	57.70	-25.50	46.70	36.50	74.00	16.30	V

Channel 62

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17990.700	59.20	-25.50	46.70	38.00	74.00	14.80	V
17949.400	58.70	-25.50	46.70	37.50	74.00	15.30	V
17922.500	57.90	-25.50	46.70	36.70	74.00	16.10	V
17955.500	57.80	-25.50	46.70	36.60	74.00	16.20	V
17897.200	57.70	-25.50	46.70	36.50	74.00	16.30	V
5354.900	52.90	-27.40	34.00	46.30	74.00	21.10	V

Channel 102

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17972.000	57.50	-25.50	46.70	36.30	74.00	16.50	V
17996.700	57.50	-25.50	46.70	36.30	74.00	16.50	V
17886.700	57.40	-25.50	46.70	36.20	74.00	16.60	V
17941.200	57.40	-25.50	46.70	36.20	74.00	16.60	V
17954.300	57.30	-25.50	46.70	36.10	74.00	16.70	V
5455.000	55.70	-27.20	34.20	48.70	68.30	12.60	H

Channel 118

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17954.300	58.20	-25.50	46.70	37.00	74.00	15.80	V
17782.800	58.10	-25.50	46.70	36.90	74.00	15.90	V
17885.600	58.00	-25.50	46.70	36.80	74.00	16.00	V
17978.500	57.80	-25.50	46.70	36.60	74.00	16.20	V
17931.800	57.70	-25.50	46.70	36.50	74.00	16.30	V
17970.300	57.50	-25.50	46.70	36.30	74.00	16.50	V

Channel 134

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17996.200	58.00	-25.50	46.70	36.80	74.00	16.00	V
17963.200	57.70	-25.50	46.70	36.50	74.00	16.30	V
17970.300	57.50	-25.50	46.70	36.30	74.00	16.50	V
17974.700	57.30	-25.50	46.70	36.10	74.00	16.70	V
17946.700	57.20	-25.50	46.70	36.00	74.00	16.80	V
5747.200	51.50	-27.10	34.30	44.30	68.30	16.80	H

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Channel 42

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17953.200	58.20	-25.50	46.70	37.00	74.00	15.80	V
17956.500	58.10	-25.50	46.70	36.90	74.00	15.90	V
17961.500	58.00	-25.50	46.70	36.80	74.00	16.00	V
17964.800	57.90	-25.50	46.70	36.70	74.00	16.10	V
17992.300	57.90	-25.50	46.70	36.70	74.00	16.10	V
5144.100	61.90	-27.60	33.70	55.80	68.30	6.40	H

Channel 58

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17950.500	58.30	-25.50	46.70	37.10	74.00	15.70	V
17957.100	58.30	-25.50	46.70	37.10	74.00	15.70	V
17968.700	58.10	-25.50	46.70	36.90	74.00	15.90	V
17966.500	58.00	-25.50	46.70	36.80	74.00	16.00	V
17986.200	57.90	-25.50	46.70	36.70	74.00	16.10	V
5353.000	54.50	-27.40	34.00	47.90	68.30	13.80	V

Channel 106

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17935.700	59.50	-25.50	46.70	38.30	74.00	14.50	V
17990.700	58.70	-25.50	46.70	37.50	74.00	15.30	V
17987.900	57.80	-25.50	46.70	36.60	74.00	16.20	V
17936.200	57.60	-25.50	46.70	36.40	74.00	16.40	V
17973.000	57.60	-25.50	46.70	36.40	74.00	16.40	V
5450.300	58.00	-27.20	34.20	51.00	68.30	10.30	H

Sample calculation: 802.11 ac 80MHz CH106–Peak, 17935.700 MHz

$$\text{Peak ERP(dBm)} = P_{\text{Mea}}(38.30 \text{ dBuV/m}) + \text{Cable Loss}(-25.50) + \text{Antenna Factor}(46.70) = 59.50 \text{ dBuV/m}$$

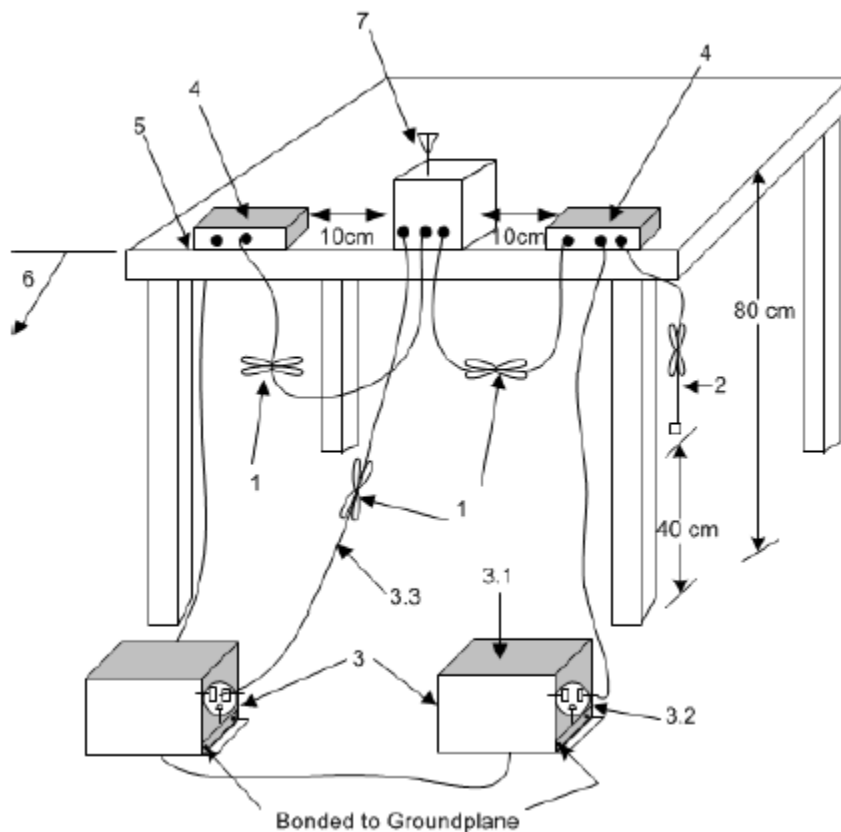
A.7. AC Powerline Conducted Emission

Method of Measurement: See ANSI C63.10-clause 6.2

Setup:

A stand-alone EUT shall be placed in the center along the back edge of the tabletop. For multiunit tabletop systems, the EUT shall be centered laterally (left to right facing the tabletop) on the tabletop and its rear shall be flush with the rear of the table.

Accessories that are part of an EUT system tested on a tabletop shall be placed in a test arrangement on one or both sides of the host with a 10 cm separation between the nearest points of the cabinets. The rear of the host and accessories shall be flush with the back of the supporting tabletop unless that would not be typical of normal use. If more than two accessories are present, then an equipment test arrangement shall be chosen that maintains 10 cm spacing between cabinets unless the equipment is normally located closer together.



Exploratory ac power-line conducted emission measurements

Exploratory measurements shall be used to identify the frequency of the emission that has the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, cable positions, and with a typical system equipment configuration and arrangement. For each mode of operation and for each ac power current-carrying conductor, cable manipulation shall be performed within the range of likely configurations. For this measurement or series of measurements, the frequency spectrum of interest shall be monitored looking for the emission that has the highest amplitude relative to the limit. Once that emission is found for each current-carrying conductor of each power cord associated with the EUT (but not the cords

associated with non-EUT equipment in the overall system), the one configuration and arrangement and mode of operation that produces the emission closest to the limit over all of the measured conductors shall be recorded.

Final ac power-line conducted emission measurements

Based on the exploratory tests of the EUT, the one EUT cable configuration and arrangement and mode of operation that produced the emission with the highest amplitude relative to the limit is selected for the final measurement, while applying the appropriate modulating signal to the EUT. If the EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximized at the final test location before final ac power-line conducted emission measurements are performed. The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) is then performed for the full frequency range for which the EUT is being tested for compliance without further variation of the EUT arrangement, cable positions, or EUT mode of operation. If the EUT is composed of equipment units that have their own separate ac power connections (e.g., floor-standing equipment with independent power cords for each shelf that are able to connect directly to the ac power network), then each current-carrying conductor of one unit is measured while the other units are connected to a second (or more) LISN(s). All units shall be measured separately. If a power strip is provided by the manufacturer, to supply all of the units making up the EUT, only the conductors in the power cord of the power strip shall be measured.

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Result and limit: