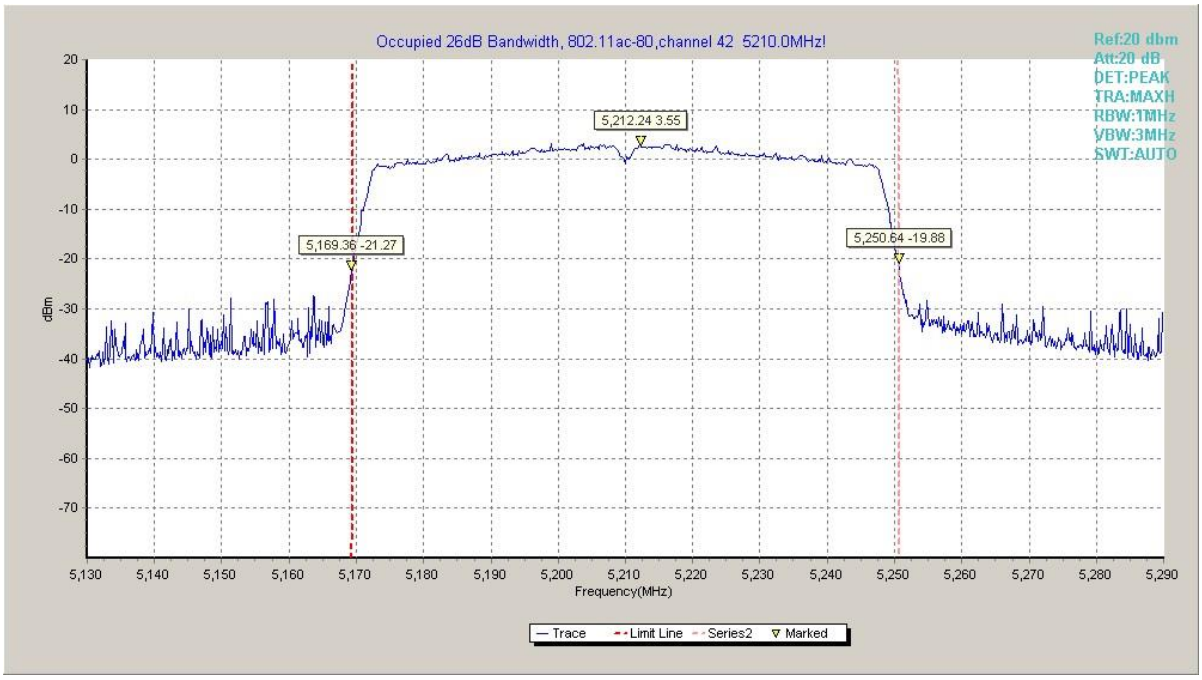

Fig. 47 Occupied 26dB Bandwidth (802.11ac80, 5210MHz)

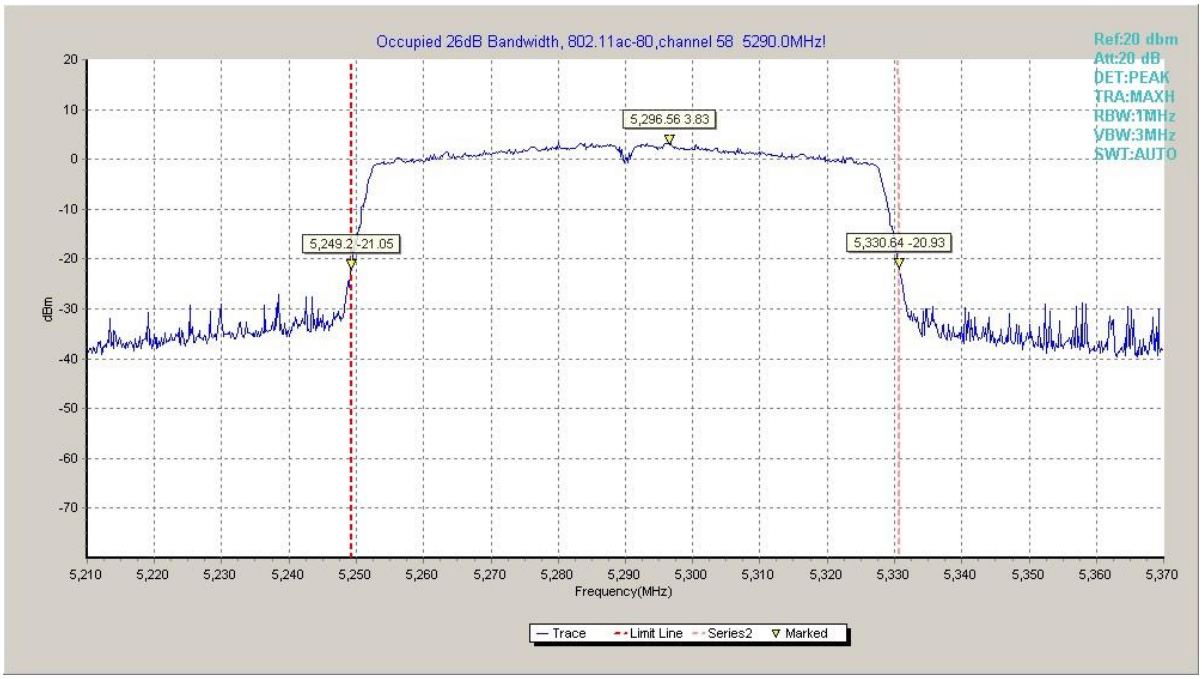

Fig. 48 Occupied 26dB Bandwidth (802.11ac80, 5290MHz)

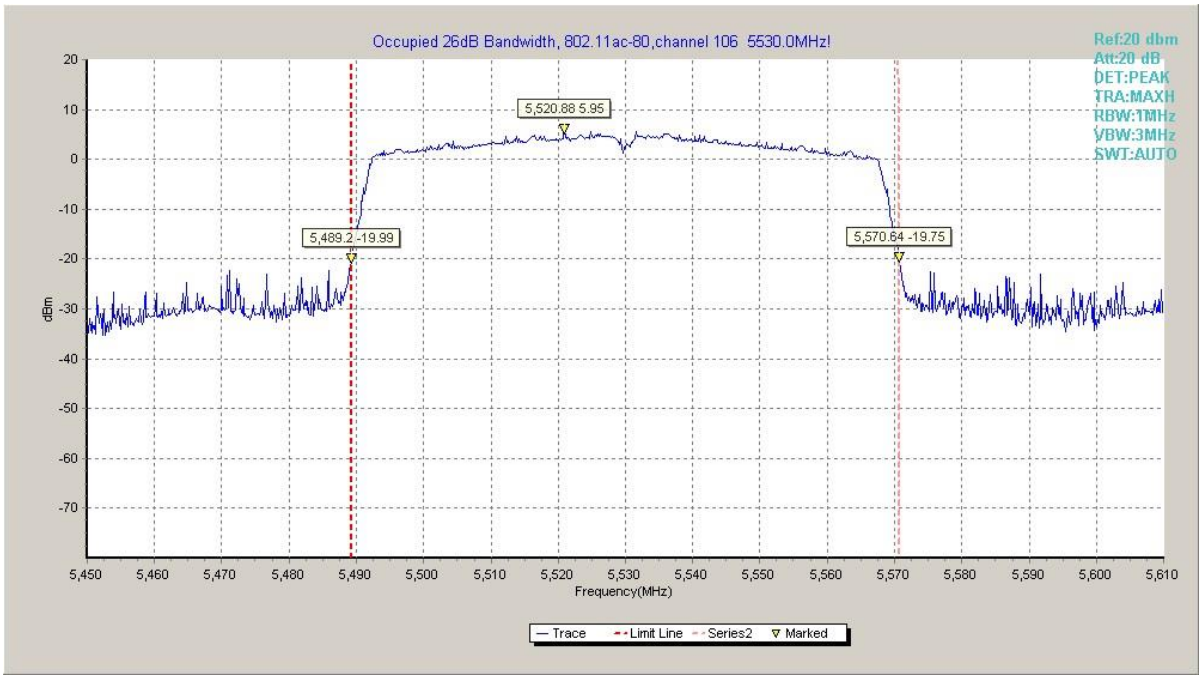

Fig. 49 Occupied 26dB Bandwidth (802.11ac80, 5530MHz)

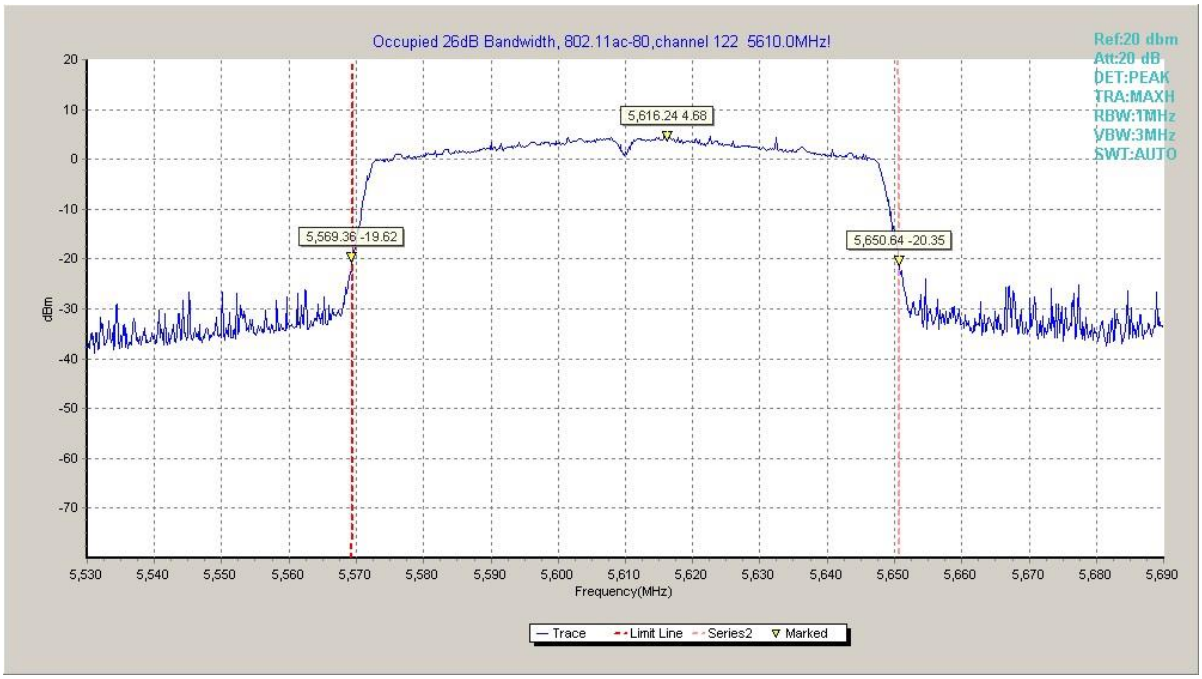

Fig. 50 Occupied 26dB Bandwidth (802.11ac80, 5610MHz)

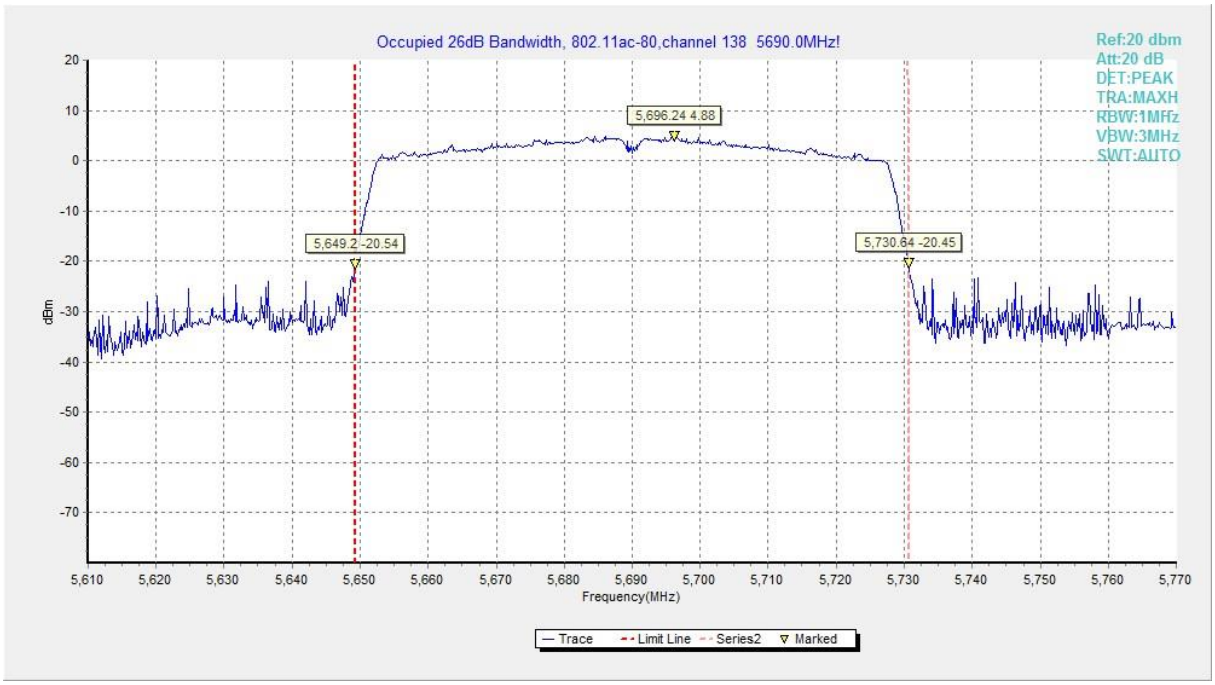

Fig. 51 Occupied 26dB Bandwidth (802.11ac80, 5690MHz)

A.5. Band Edges Compliance

A5.1 Band Edges - Radiated

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407	-27 dBm/MHz

The measurement is made according to KDB 789033
In addition, 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)).

Measurement Uncertainty:

Measurement Uncertainty	0.75dB

Measurement Result:

Mode	Channel	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
	5720 MHz	Fig.56 Fig.57	P
802.11n HT20	5180 MHz	Fig.58	P
	5320 MHz	Fig.59	P
	5500 MHz	Fig.60	P
	5700 MHz	Fig.61	P
	5720 MHz	Fig.62 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
	5710 MHz	Fig.68 Fig.69	P
802.11ac HT20	5180 MHz	Fig.70	P
	5320 MHz	Fig.71	P
	5500 MHz	Fig.72	P
	5700 MHz	Fig.73	P
	5720 MHz	Fig.74 Fig.75	P
802.11ac HT40	5190 MHz	Fig.76	P
	5310 MHz	Fig.77	P
	5510 MHz	Fig.78	P
	5670 MHz	Fig.79	P

	5710 MHz	Fig.80 Fig.81	P
802.11ac HT80	5210 MHz	Fig.82	P
	5290 MHz	Fig.83	P
	5530 MHz	Fig.84	P
	5690 MHz	Fig.85 Fig.86	P

Conclusion: PASS

Test graphs as below:

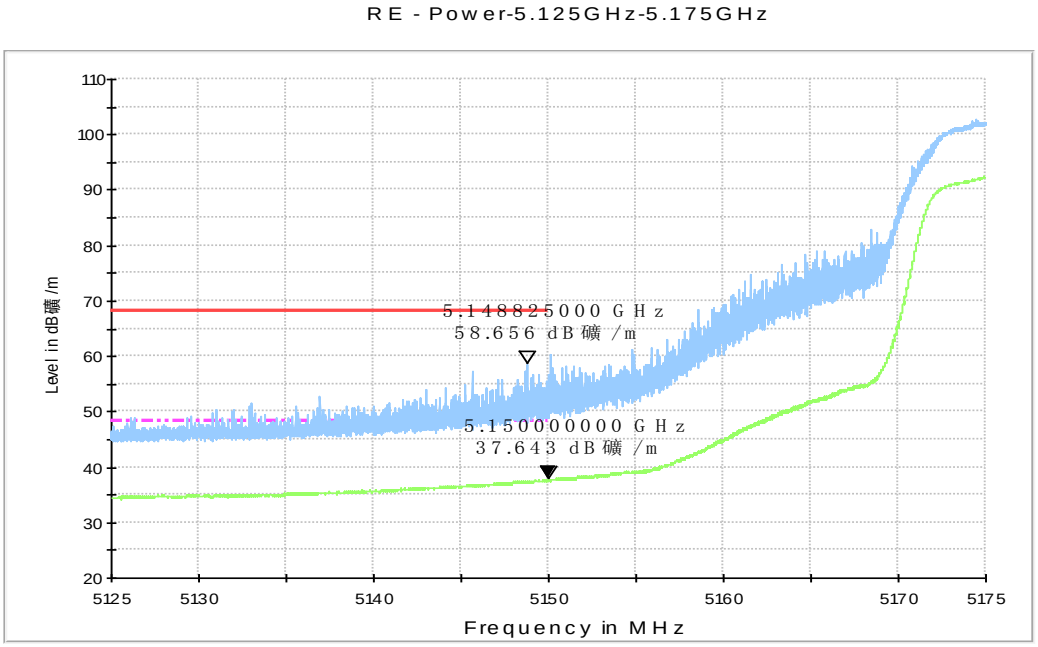

Fig. 52 Band Edges (802.11a, 5180MHz)

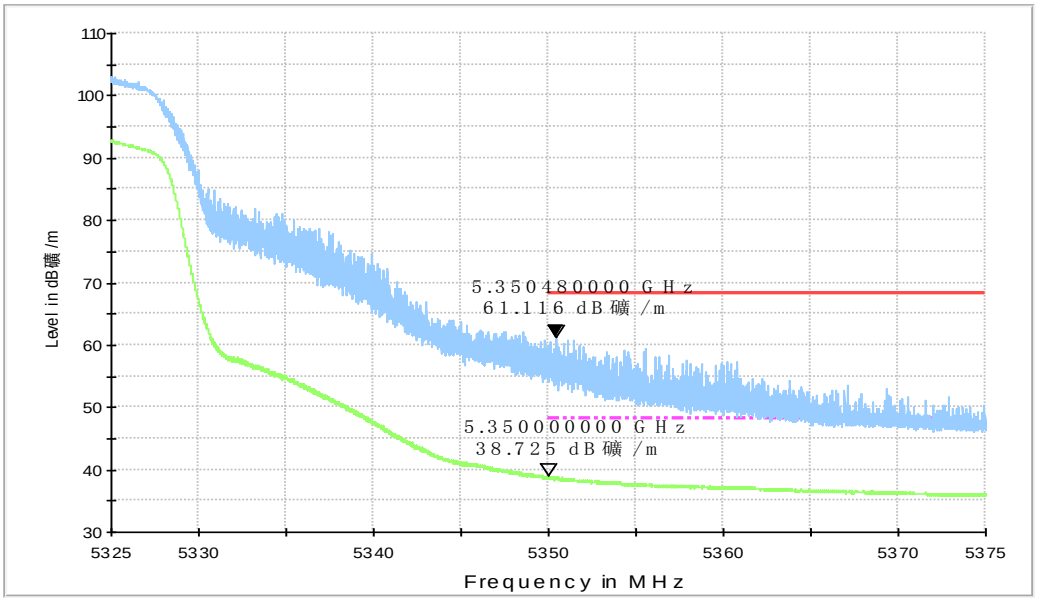

Fig. 53 Band Edges (802.11a, 5320MHz)

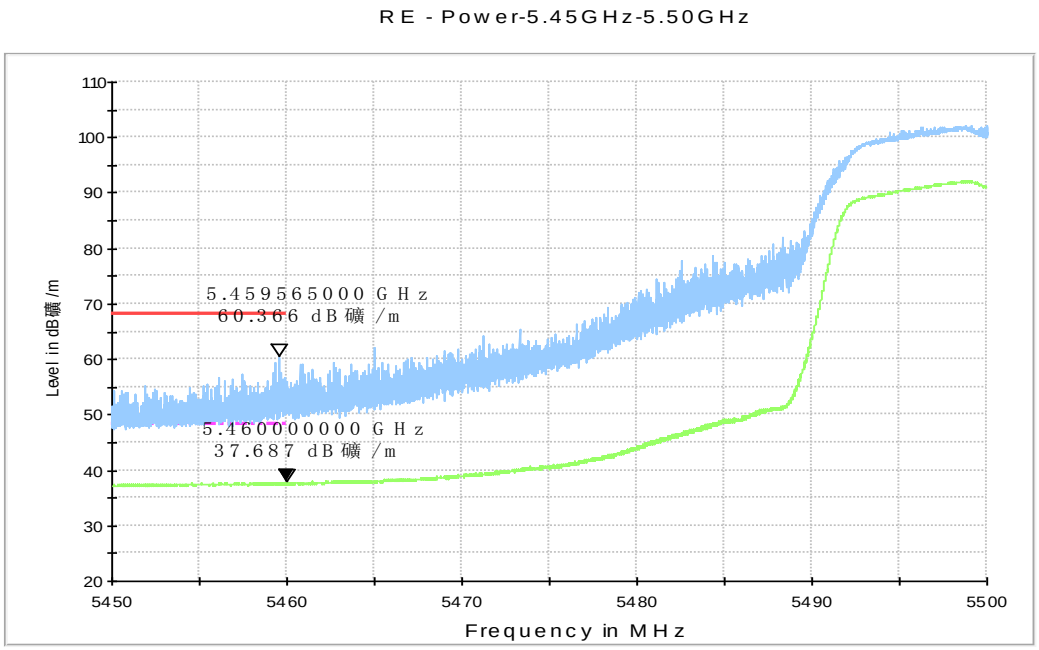

Fig. 54 Band Edges (802.11a, 5500MHz)

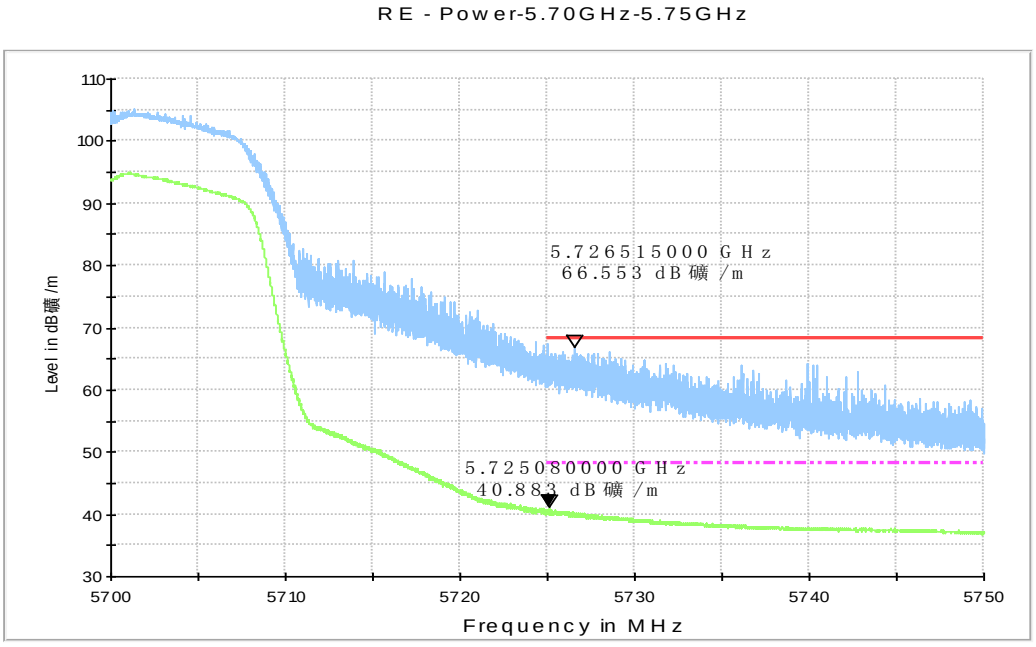

Fig. 55 Band Edges (802.11a, 5700MHz)

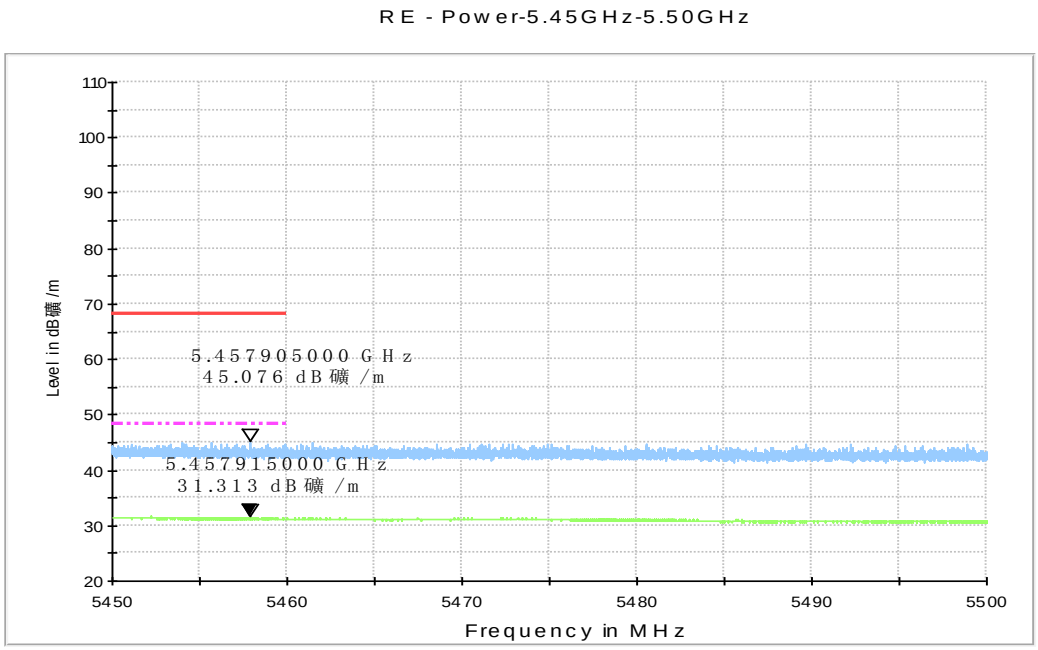

Fig. 56 Band Edges (802.11a, 5720MHz)

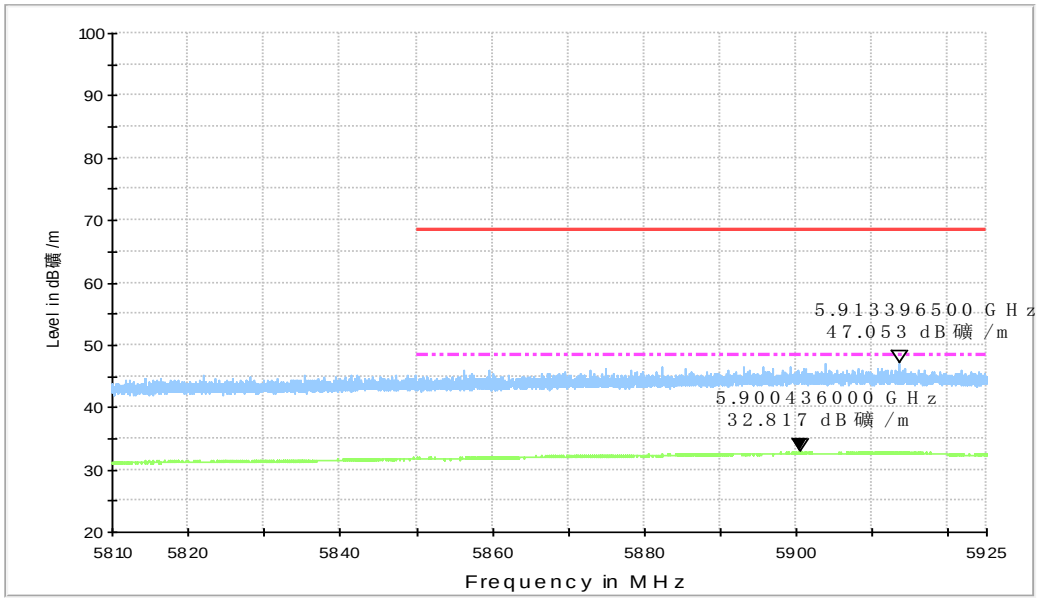

Fig. 57 Band Edges (802.11a, 5720MHz)

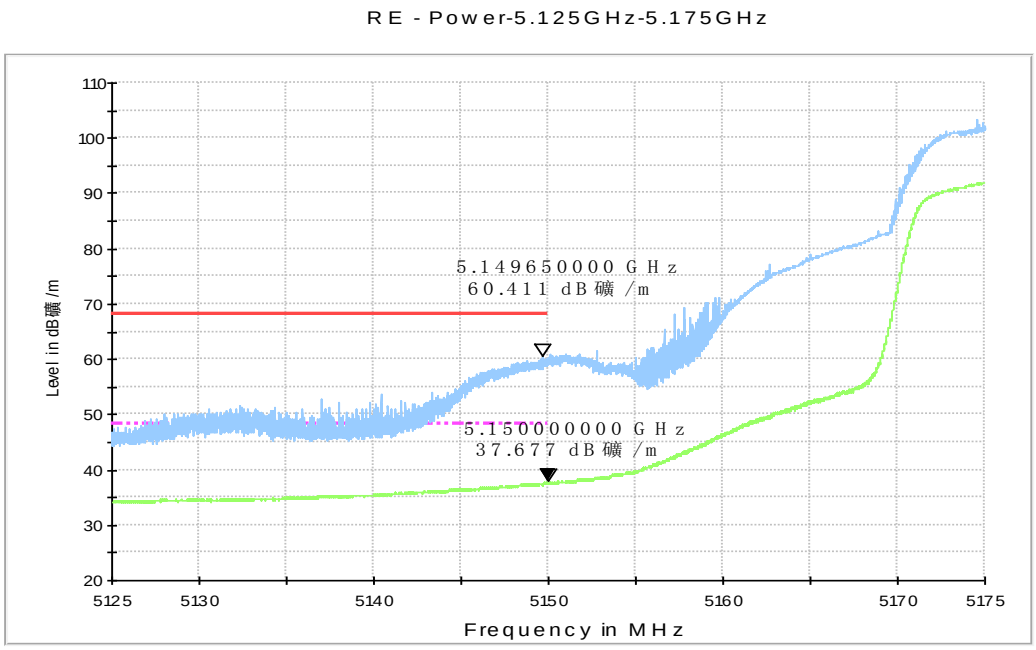

Fig. 58 Band Edges (802.11n-HT20, 5180MHz)

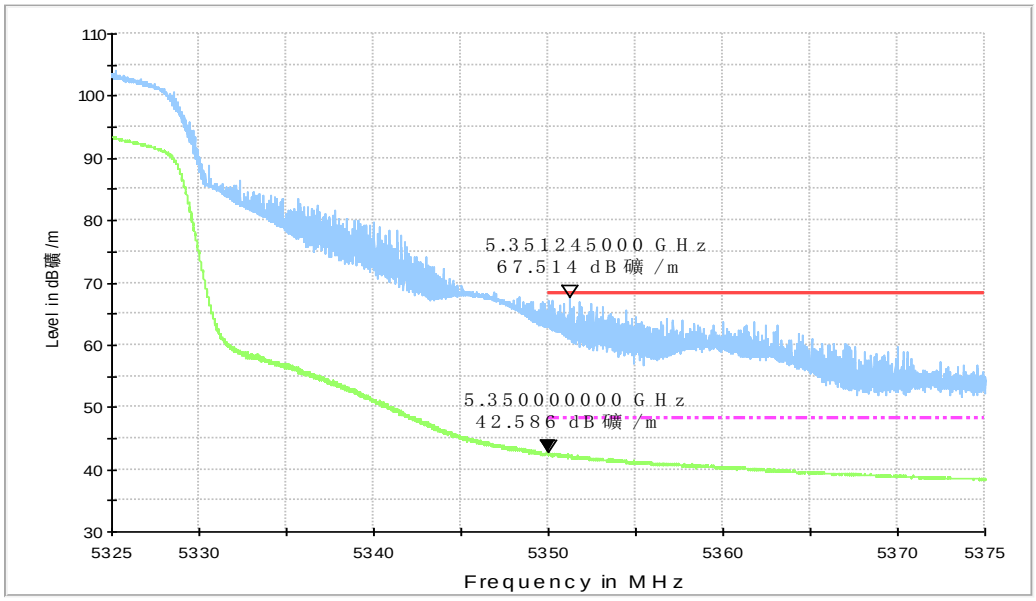

Fig. 59 Band Edges (802.11n-HT20, 5320MHz)

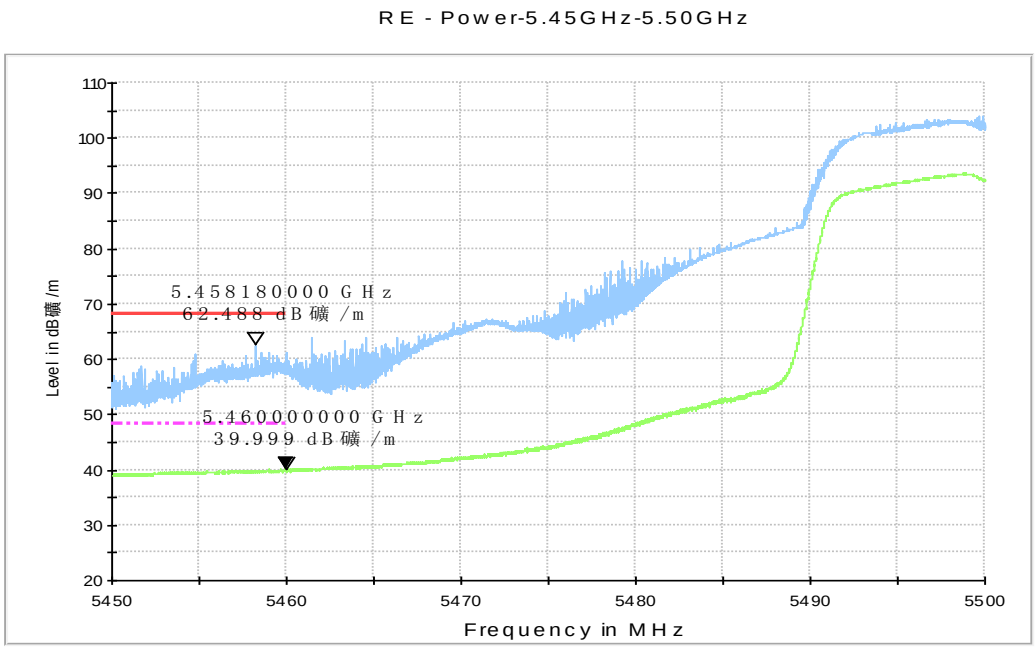

Fig. 60 Band Edges (802.11n-HT20, 5500MHz)

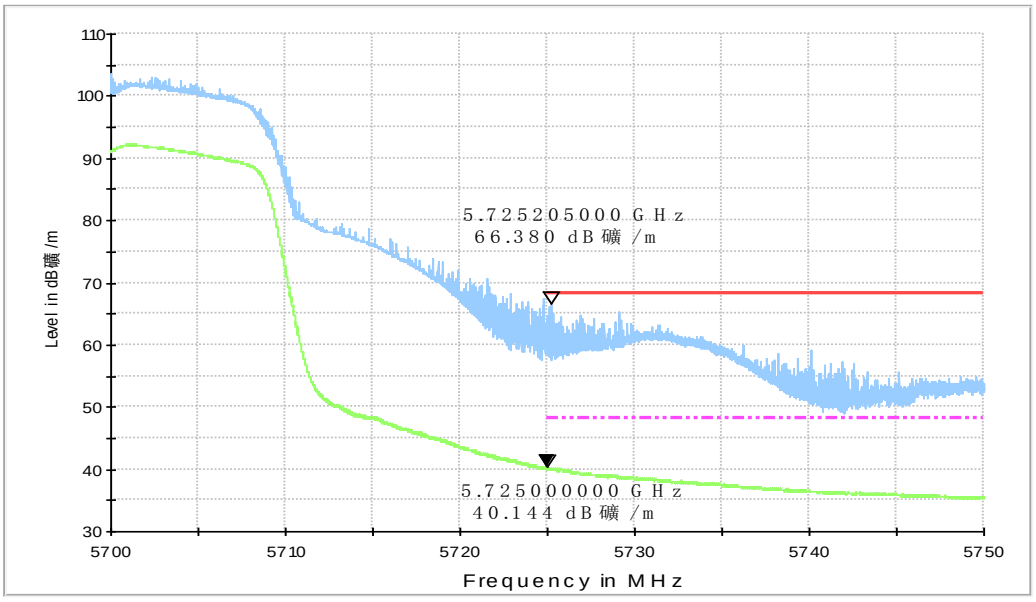

Fig. 61 Band Edges (802.11n-HT20, 5700MHz)

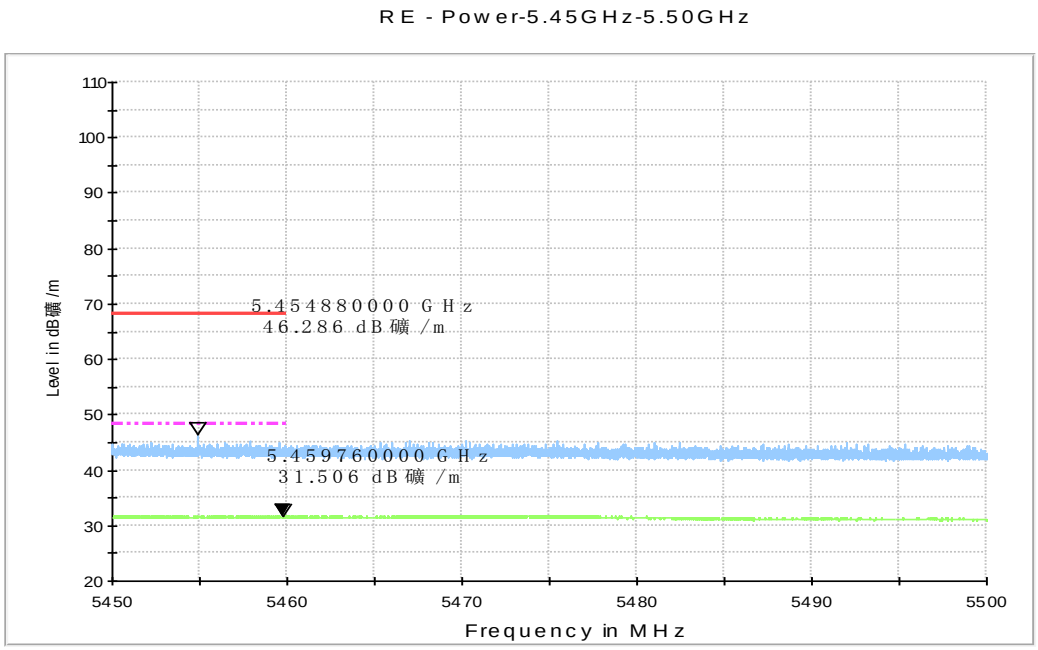

Fig. 62 Band Edges (802.11n-HT20, 5720MHz)

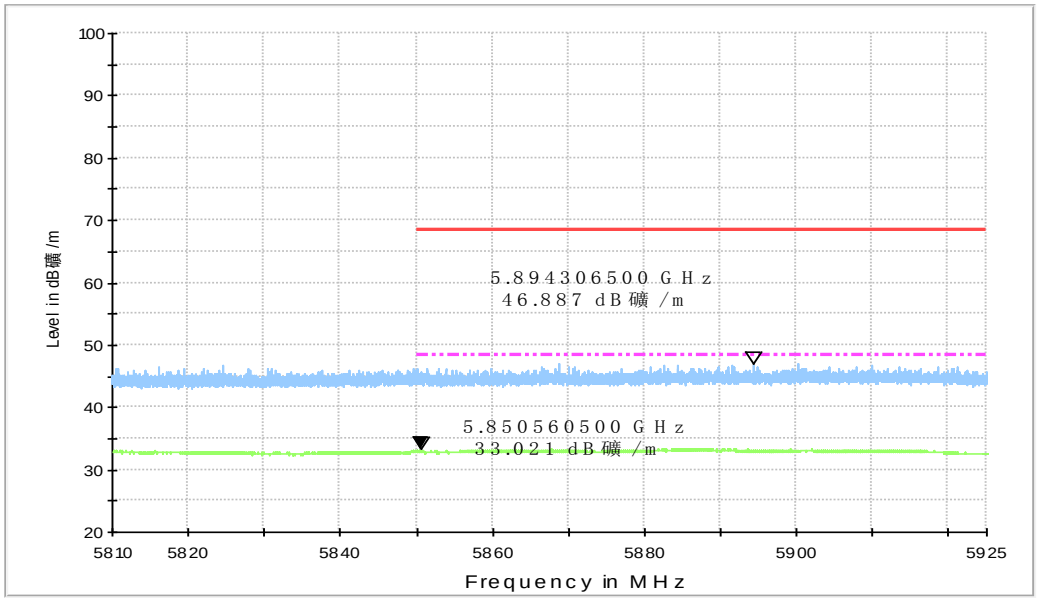

Fig. 63 Band Edges (802.11n-HT20, 5720MHz)

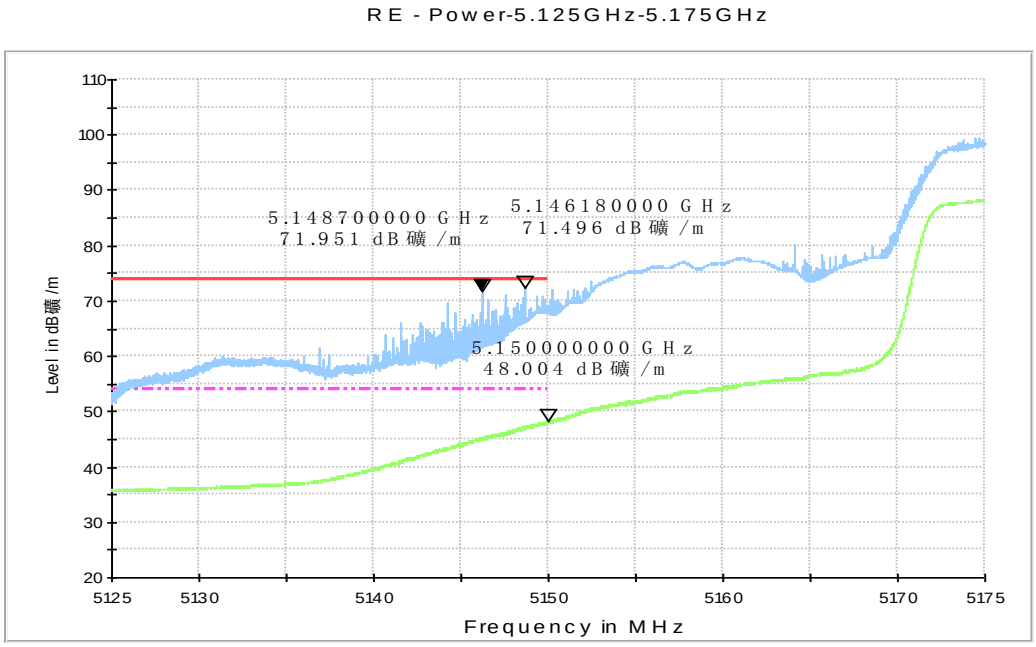

Fig. 64 Band Edges (802.11n-HT40, 5190MHz)

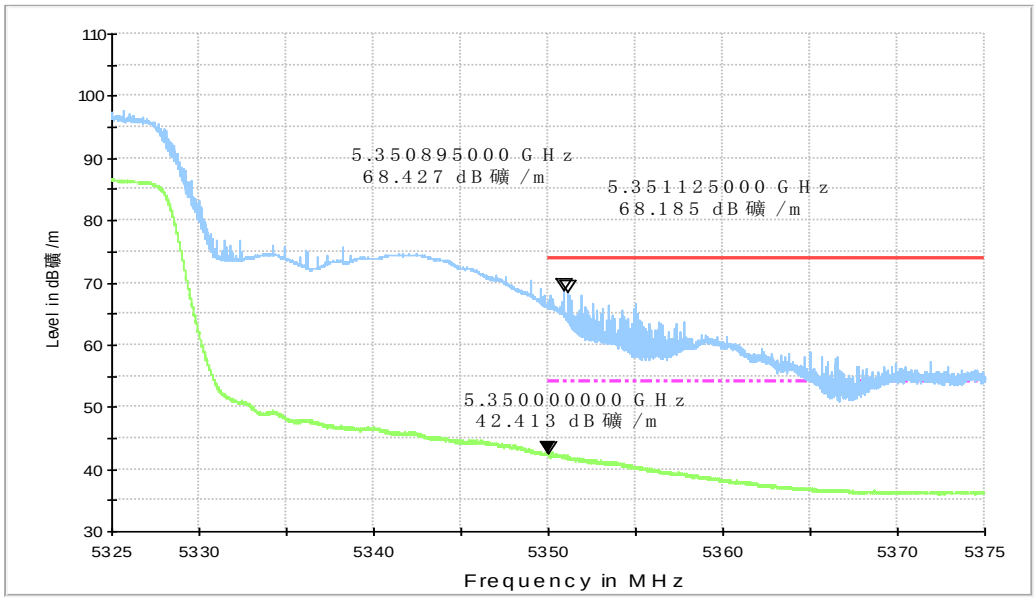

Fig. 65 Band Edges (802.11n-HT40, 5310MHz)

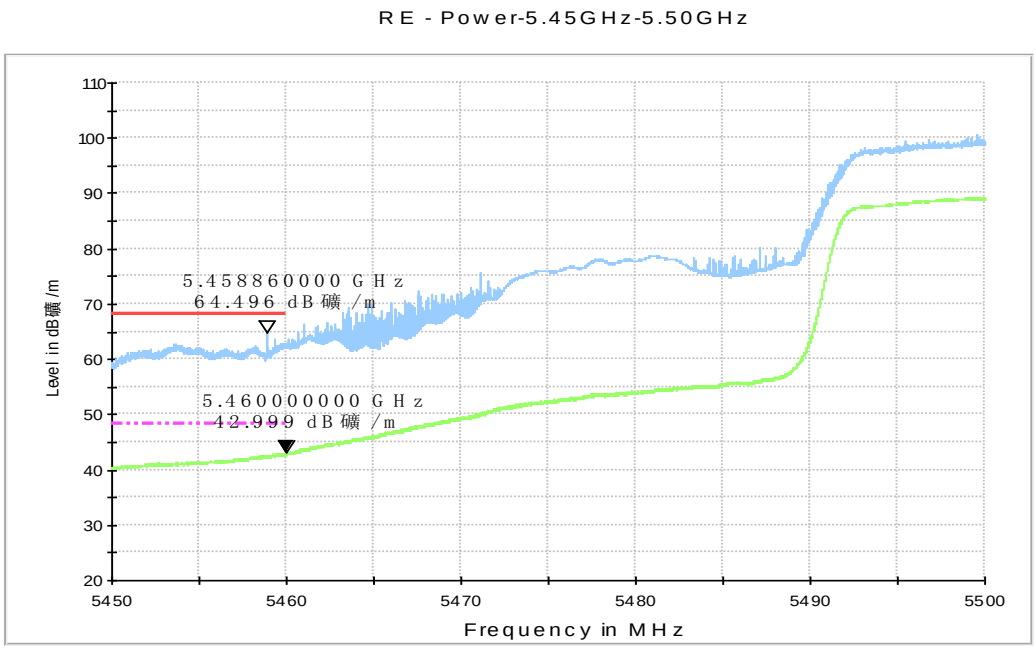

Fig. 66 Band Edges (802.11n-HT40, 5510MHz)

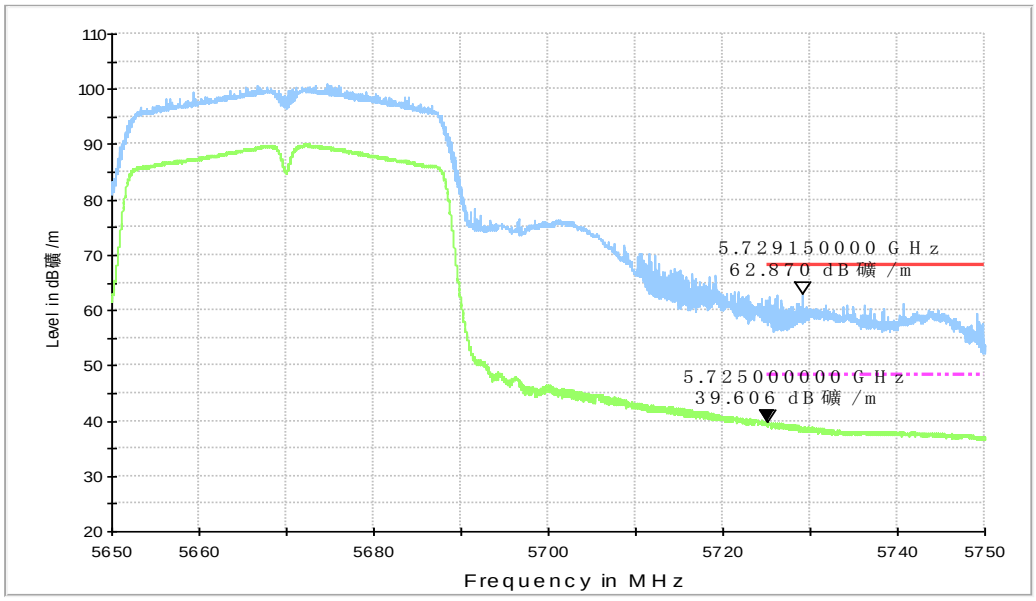

Fig. 67 Band Edges (802.11n-HT40, 5670MHz)

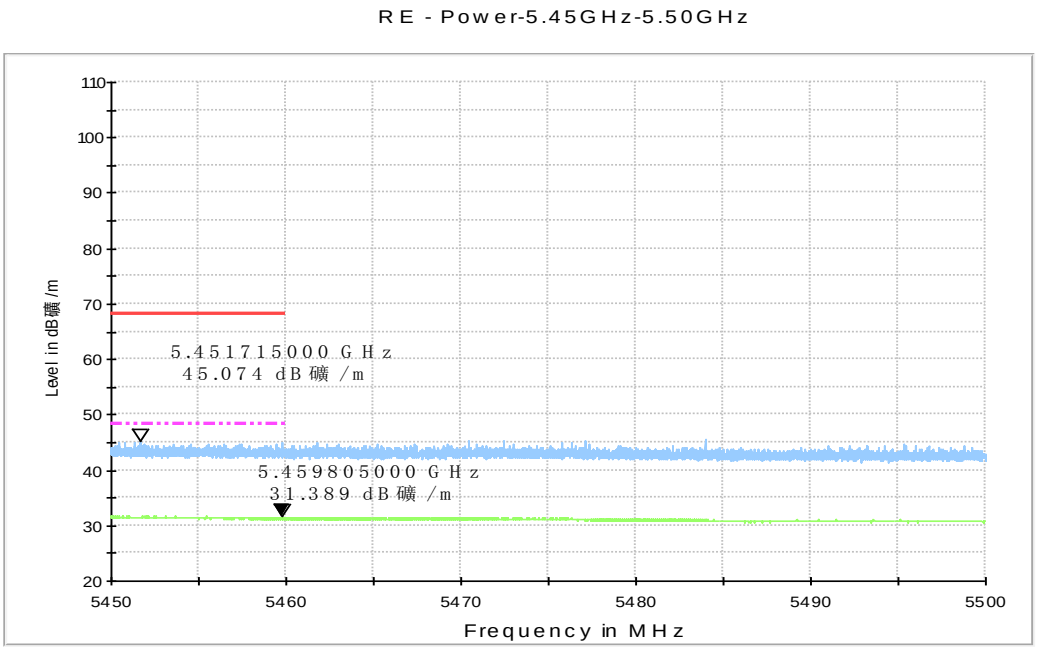

Fig. 68 Band Edges (802.11n-HT40, 5710MHz)

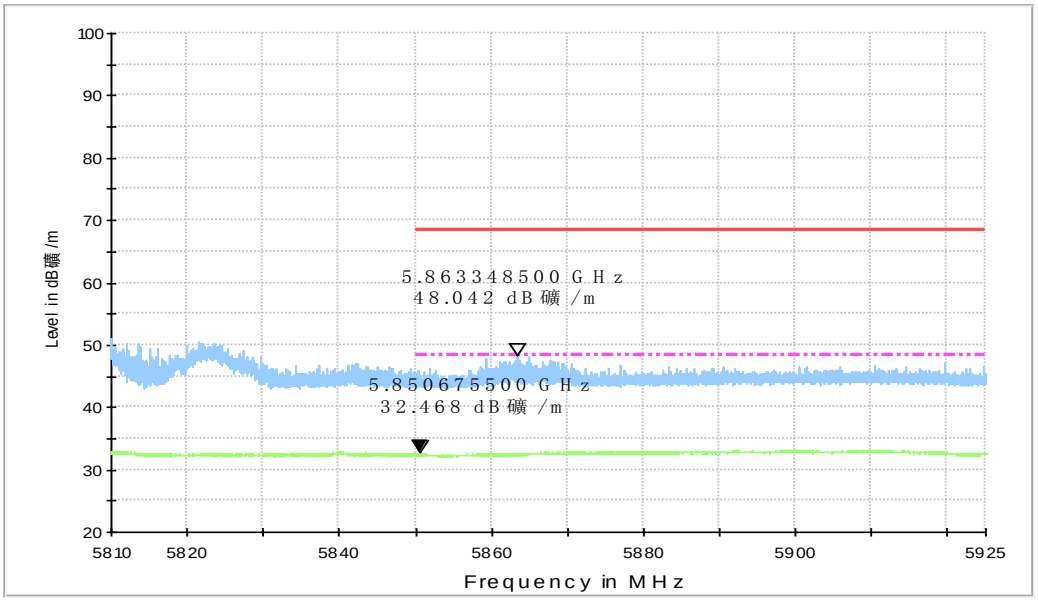

Fig. 69 Band Edges (802.11n-HT40, 5710MHz)

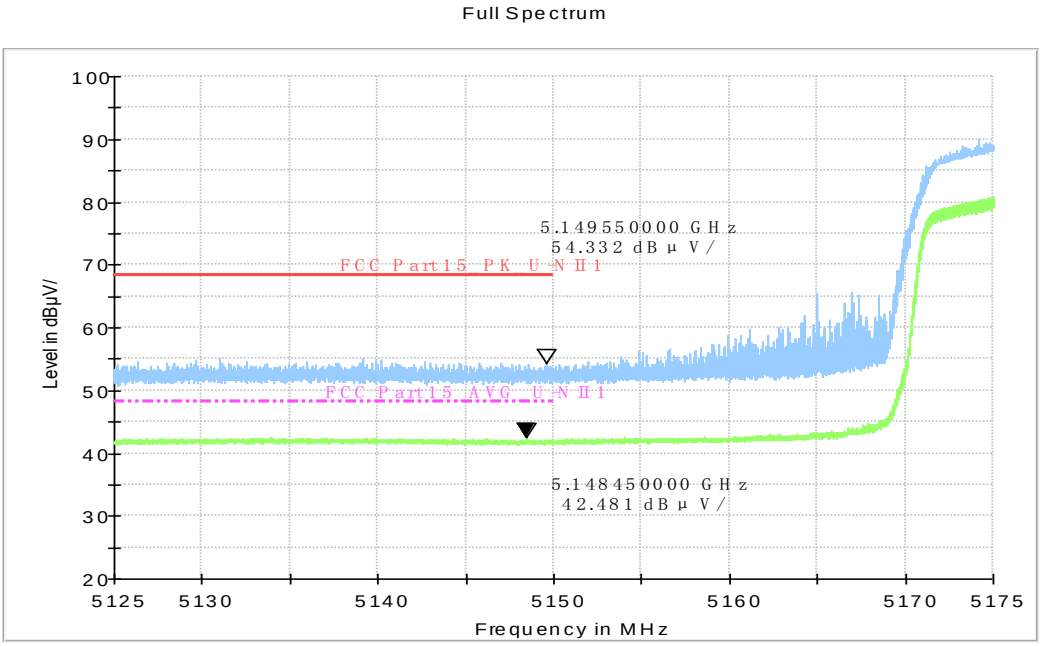

Fig. 70 Band Edges (802.11ac-HT20, 5180MHz)

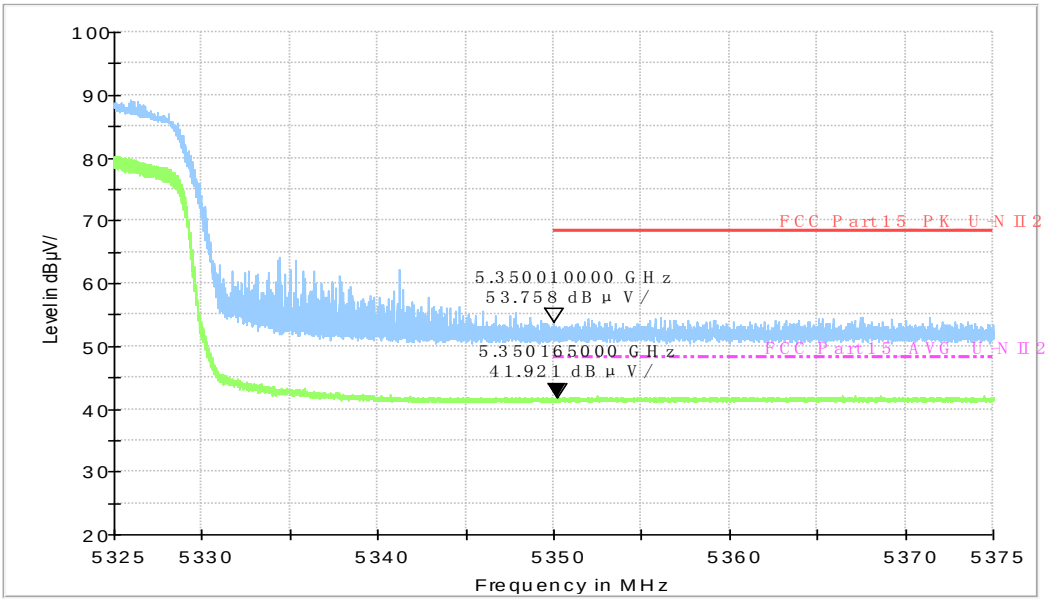

Fig. 71 Band Edges (802.11ac-HT20, 5320MHz)

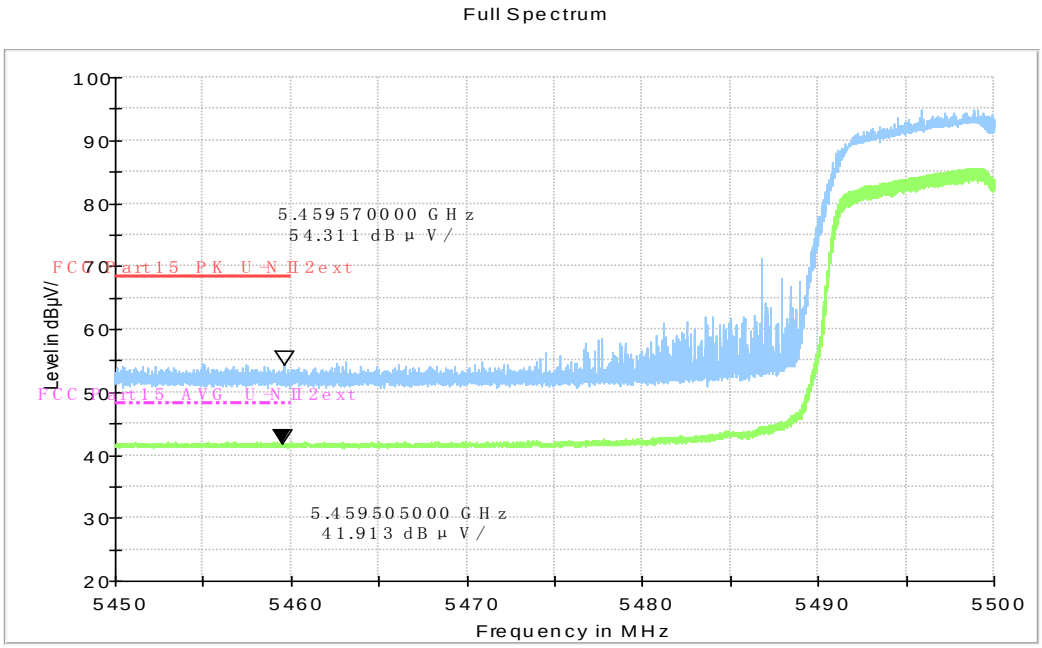

Fig. 72 Band Edges (802.11ac-HT20, 5500MHz)

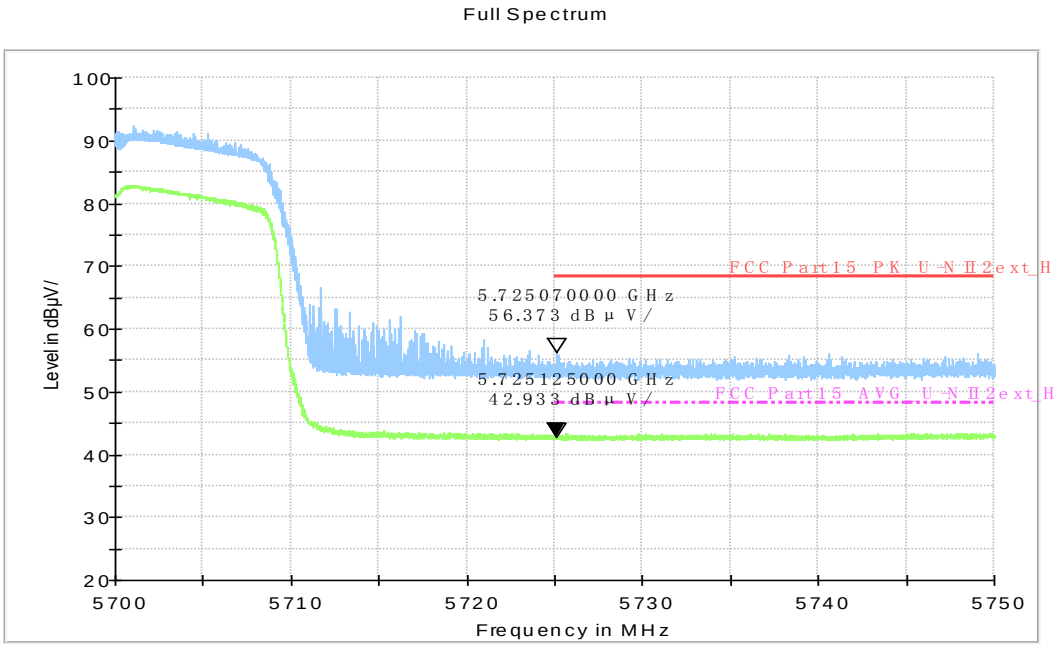

Fig. 73 Band Edges (802.11ac-HT20, 5700MHz)

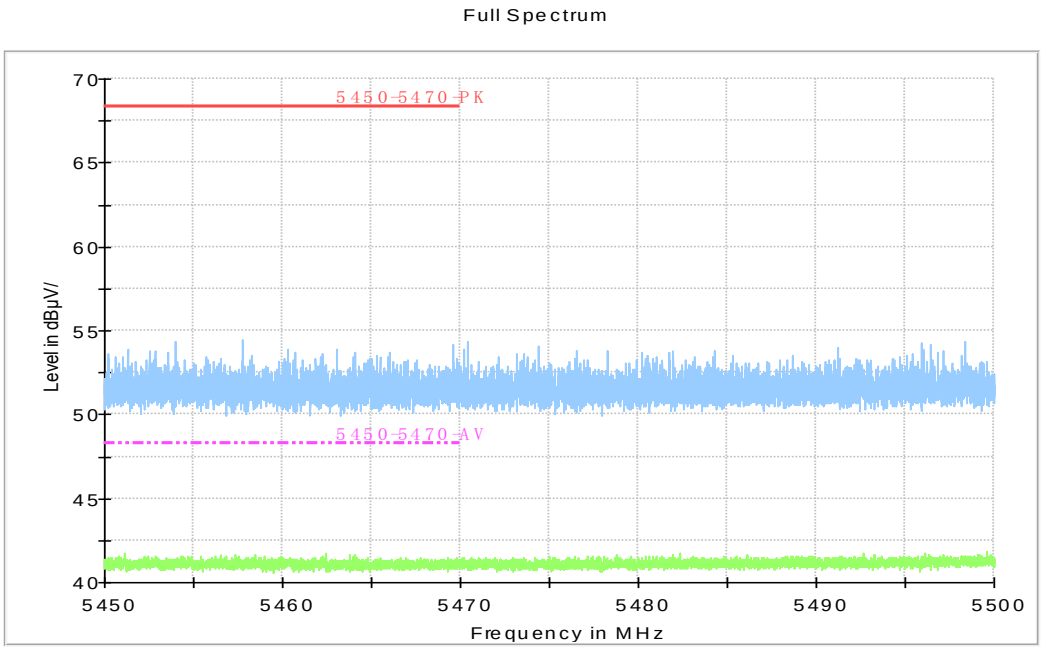

Fig. 74 Band Edges (802.11ac-HT20, 5720MHz)

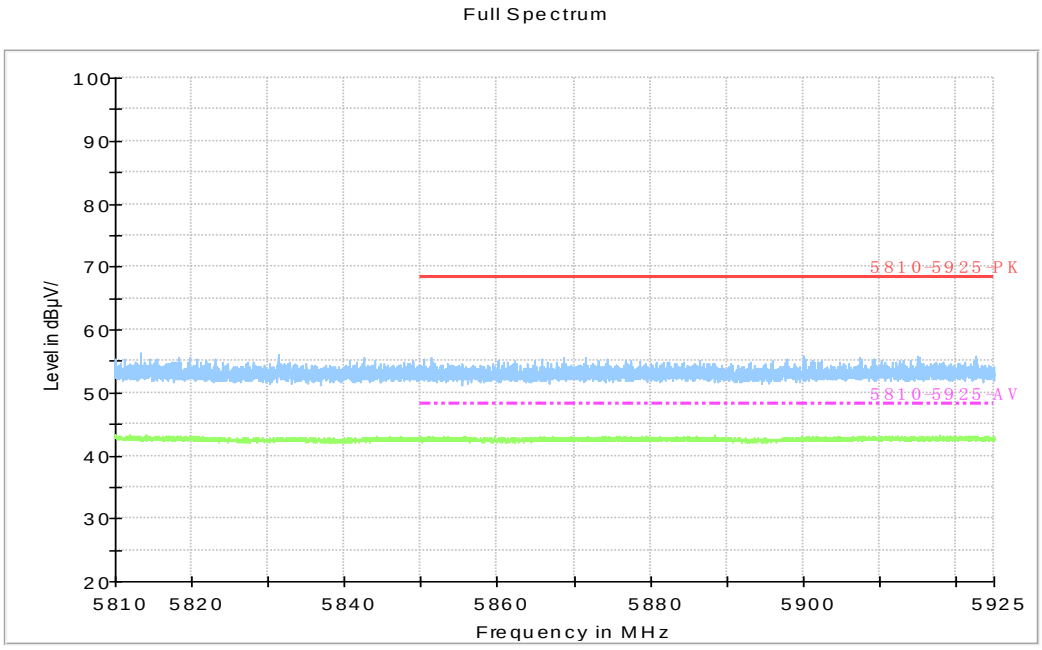

Fig. 75 Band Edges (802.11ac-HT20, 5720MHz)

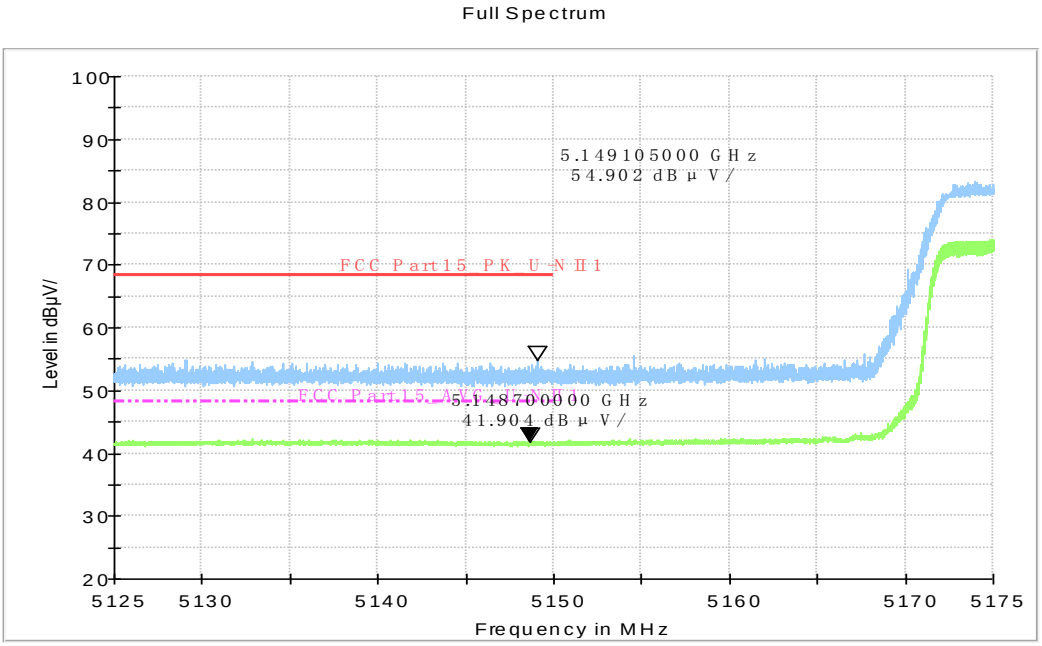

Fig. 76 Band Edges (802.11ac-HT40, 5190MHz)

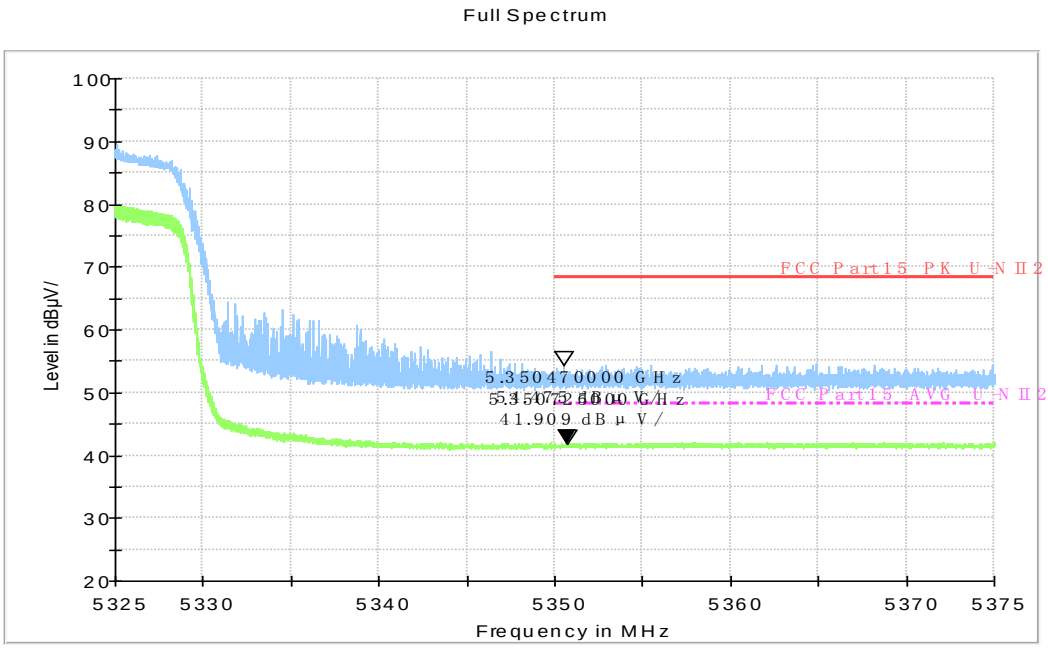

Fig. 77 Band Edges (802.11ac-HT40, 5310MHz)

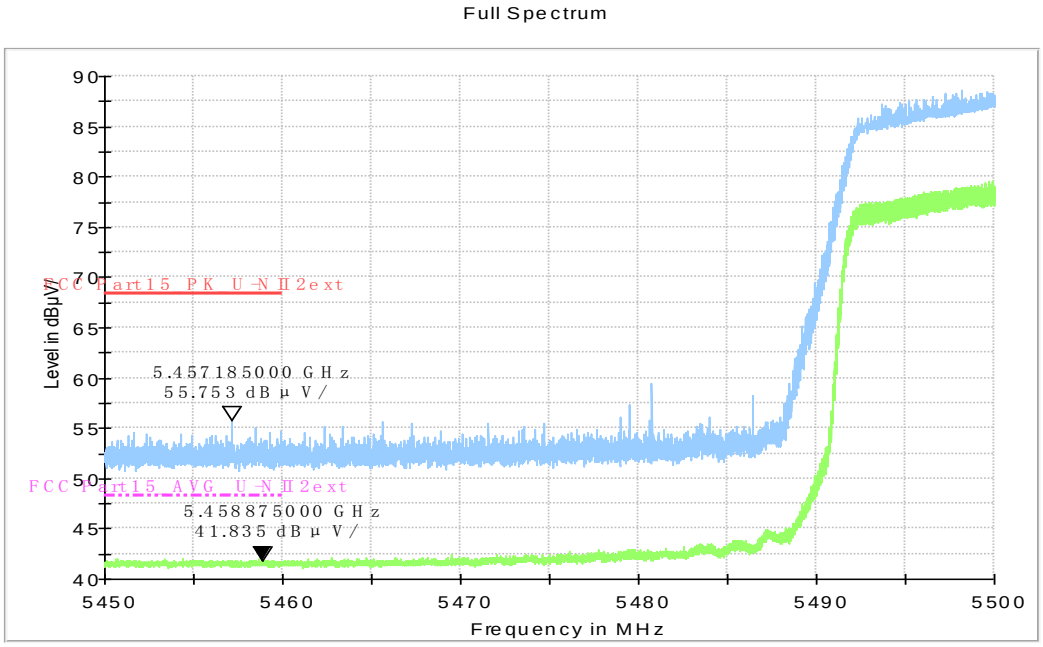

Fig. 78 Band Edges (802.11ac-HT40, 5510MHz)

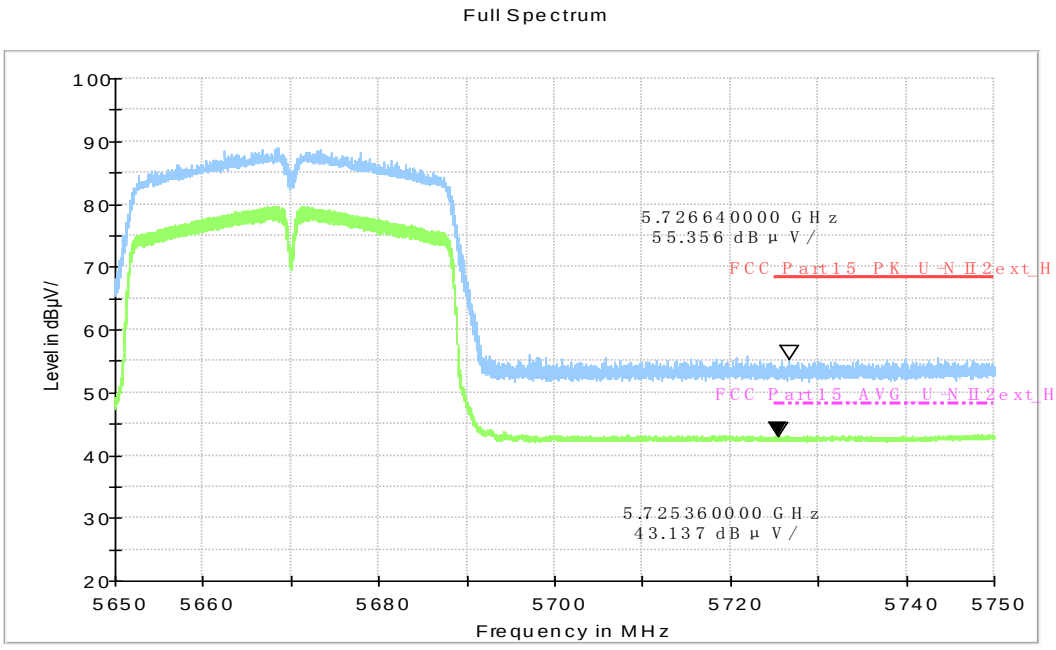

Fig. 79 Band Edges (802.11ac-HT40, 5670MHz)

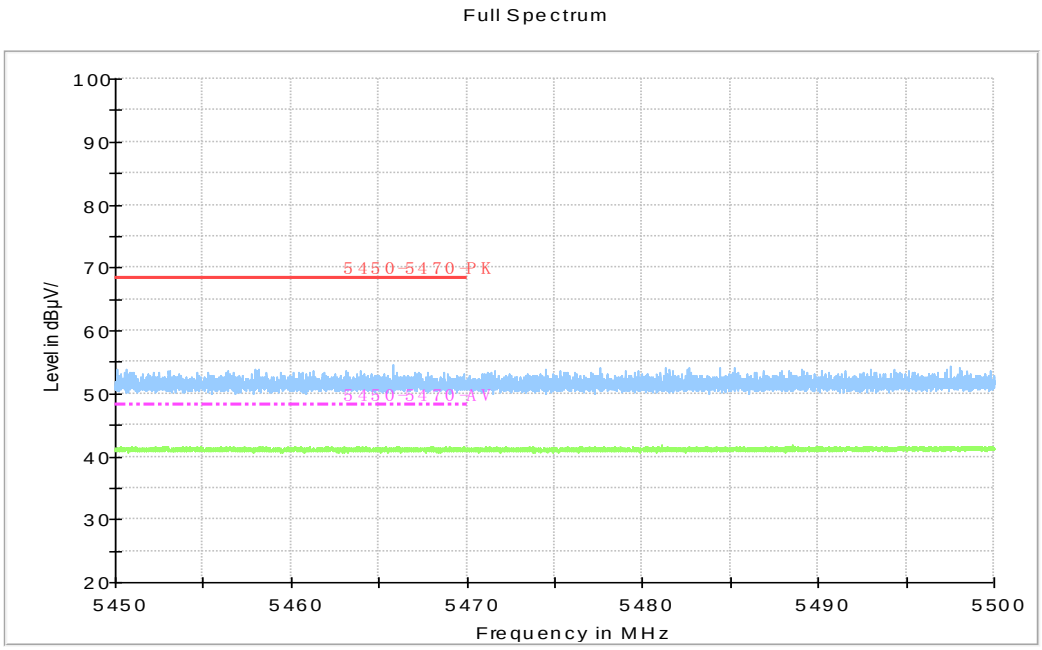

Fig. 80 Band Edges (802.11ac-HT40, 5710MHz)

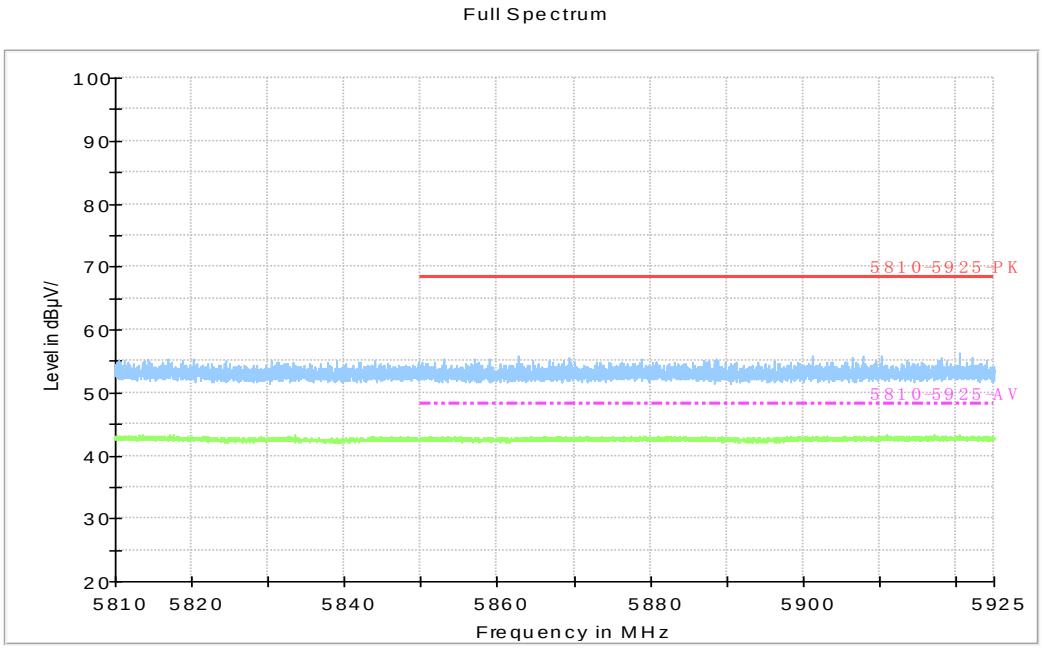

Fig. 81 Band Edges (802.11ac-HT40, 5710MHz)

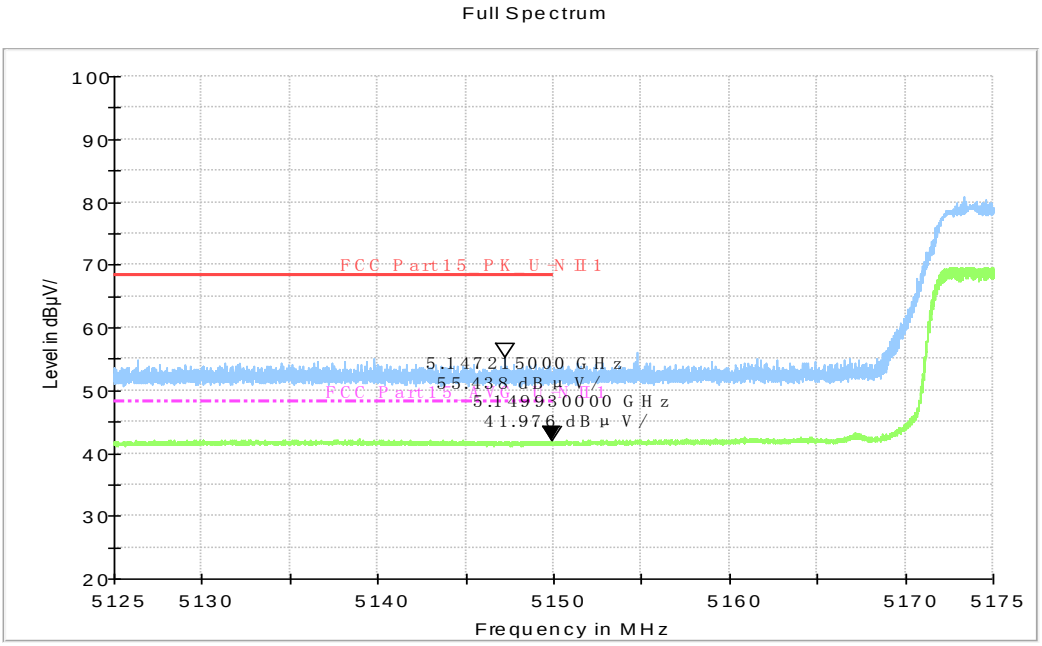

Fig. 82 Band Edges (802.11ac-HT80, 5210MHz)

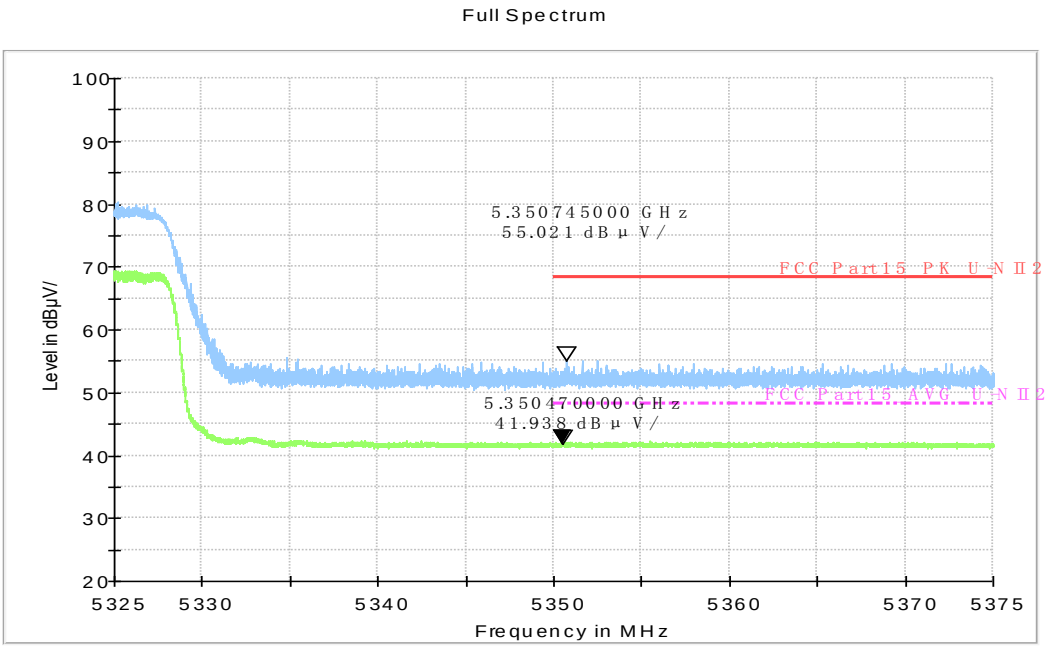

Fig. 83 Band Edges (802.11ac-HT80, 5290MHz)

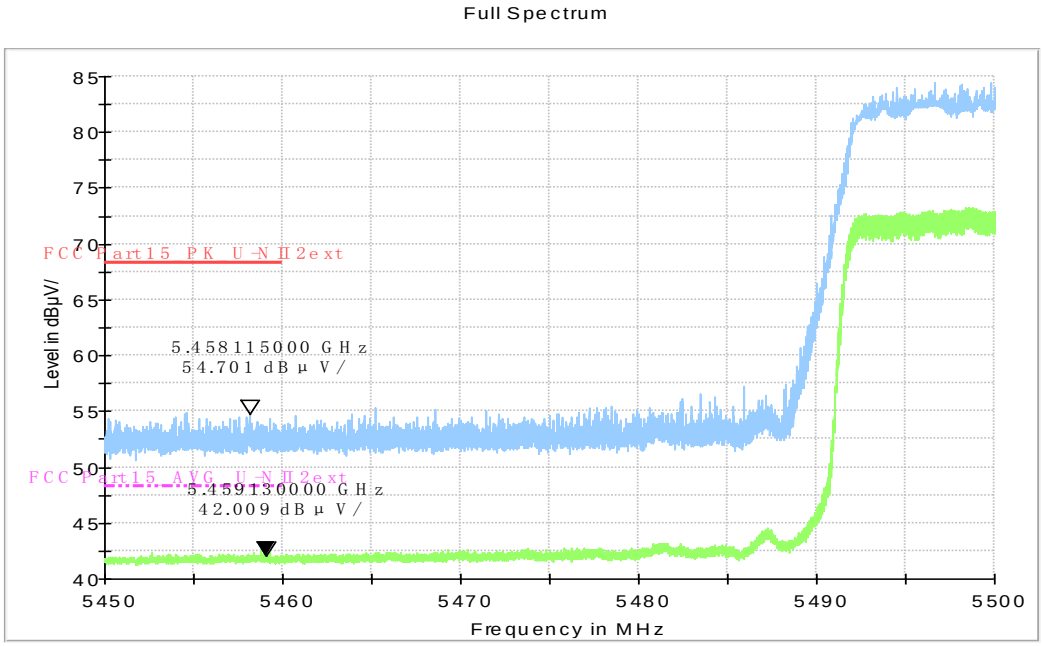

Fig. 84 Band Edges (802.11ac-HT80, 5530MHz)

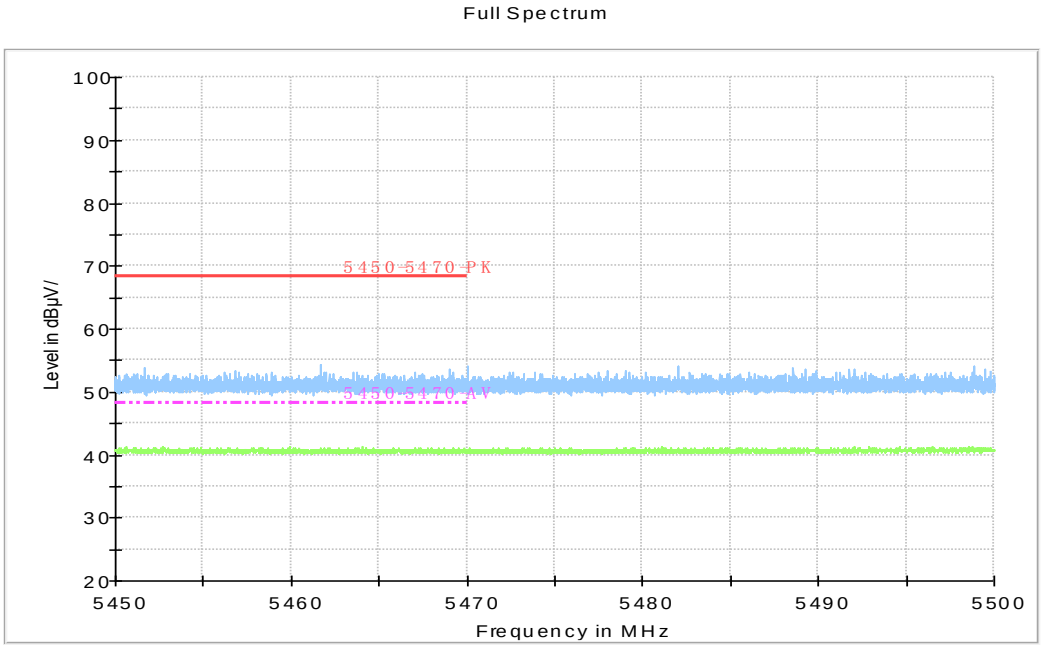

Fig. 85 Band Edges (802.11ac-HT40, 5690MHz)

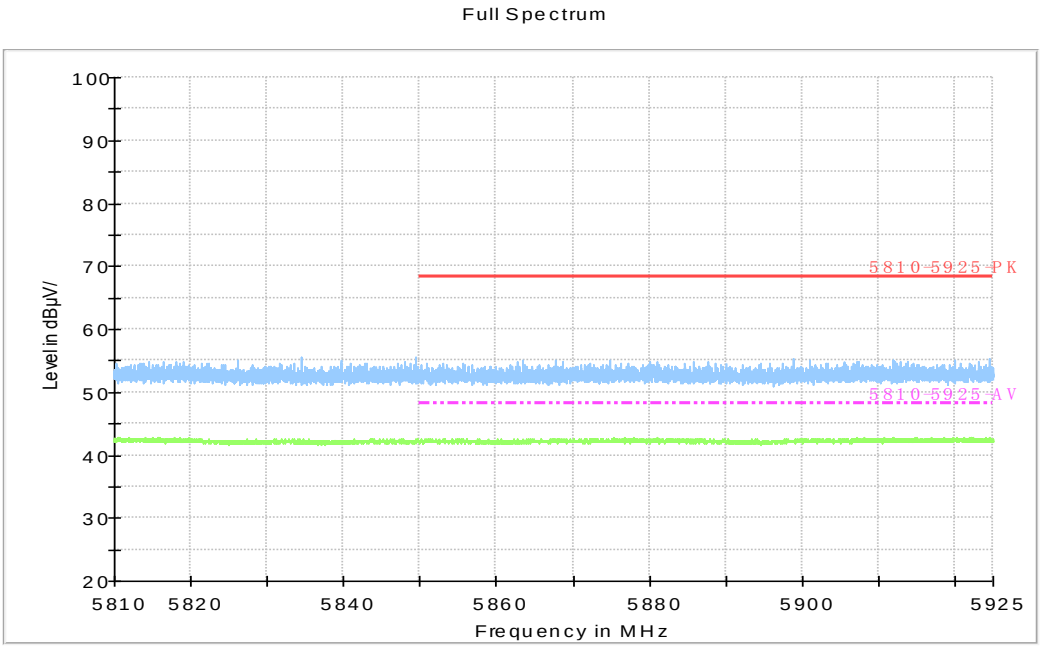

Fig. 86 Band Edges (802.11ac-HT40, 5690MHz)

A.6. Transmitter Spurious Emission

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.407	-27 dBm/MHz

The measurement is made according to KDB 789033

In addition, 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 of emission (MHz)	Field strength(dBμV/m)	Measurement distance(m)
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

Note: for frequency range below 960MHz, the limit in 15.209 is defined in 10m test distance. The limit used above is calculated from 10m to 3m

Measurement uncertainty:

Expanded measurement uncertainty for this test item is U =4.32 dB, k=2.

Measurement Results:

802.11a mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11a	36(5180MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	40(5200MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	48(5240MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	52(5260MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	56(5280MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	64(5320MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	100(5500MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	120(5600MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	140(5700MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

802.11n-HT20 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n -HT20	36(5180MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	40(5200MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	48(5240MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	52(5260MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	56(5280MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	64(5320MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	100(5500MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	120(5600MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	140(5700MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

802.11n-HT40 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n HT40	38(5190MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	46(5230MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	54(5270MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	62(5310MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	102(5510MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	118(5590MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	134(5670MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P

802.11ac-HT20 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac -HT20	36(5180MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	40(5200MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	48(5240MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	52(5260MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	56(5280MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	64(5320MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	100(5500MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	120(5600MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	140(5700MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

802.11ac-HT40 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac HT40	38(5190MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	46(5230MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	54(5270MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	62(5310MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	102(5510MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	118(5590MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	134(5670MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P

802.11ac-HT80 mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11ac –HT80	42(5210MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	58(5290MHz)	30 MHz ~1 GHz	---	P
		1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
		18 GHz ~ 26.5 GHz	---	P
		26.5 GHz ~ 40 GHz	---	P
	106(5530MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

Conclusion: PASS

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

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

The measurement results are obtained as described below:

Result=P_{Mea}+$A_{Rpl=}$ P_{Mea}+Cable Loss+Antenna Factor

AVERAGE Results:

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)
5146.400	37.4	-34.8	34.2	37.97	48.3	10.9	H
5150.000	38.0	-34.7	34.2	38.48	48.3	10.4	H
10358.300	41.7	-30.0	37.5	34.19	48.3	6.6	H
15540.400	37.3	-27.6	40.1	24.74	48.3	11.0	H
16142.100	37.4	-27.5	40.9	24.08	48.3	10.9	H
16940.700	38.9	-27.1	41.7	24.31	48.3	9.4	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)
5151.600	37.2	-34.7	34.2	37.70	48.3	11.1	H
5150.400	36.8	-34.7	34.2	37.35	48.3	11.5	H
10400.100	39.4	-29.4	37.5	31.35	48.3	8.9	H
15599.800	37.2	-27.5	40.2	24.44	48.3	11.1	H
16926.400	38.7	-27.0	41.6	24.14	48.3	9.6	H
17014.400	38.8	-26.6	41.7	23.75	48.3	9.5	H

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)
5127.200	34.9	-35.0	34.2	35.75	48.3	13.4	H
5336.400	35.7	-34.8	34.4	36.06	48.3	12.6	H
10478.200	38.6	-31.4	37.6	32.40	48.3	9.7	H
15719.700	36.9	-27.5	40.4	24.08	48.3	11.4	H
16949.500	38.9	-27.0	41.7	24.31	48.3	9.4	H
17134.300	38.6	-26.1	41.6	23.06	48.3	9.7	H

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)
5160.800	36.0	-34.6	34.2	36.31	48.3	12.3	H
5338.400	36.5	-34.8	34.4	36.85	48.3	11.8	H
10520.000	33.8	-32.0	37.6	28.19	48.3	14.5	H
15780.200	36.5	-27.6	40.4	23.68	48.3	11.8	H
17621.600	38.5	-26.5	41.2	23.70	48.3	9.8	H
17897.700	38.7	-26.2	41.3	23.62	48.3	9.6	H

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)
5188.000	36.7	-34.2	34.3	36.66	48.3	11.6	H
5339.600	36.8	-34.8	34.4	37.19	48.3	11.5	H
10559.600	37.4	-30.7	37.6	30.39	48.3	10.9	H
15839.600	36.7	-27.5	40.5	23.68	48.3	11.6	H
17613.900	38.4	-26.5	41.2	23.67	48.3	9.9	H
17885.600	38.5	-26.2	41.3	23.44	48.3	9.8	H

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)
5350.000	38.8	-34.6	34.4	38.98	48.3	9.5	H
5359.200	37.7	-34.4	34.4	37.67	48.3	10.6	H
10639.900	36.7	-29.0	37.7	28.02	48.3	11.6	H
15959.500	36.3	-27.1	40.7	22.80	48.3	12.0	H
16950.600	39.0	-27.0	41.7	24.36	48.3	9.3	H
17902.100	38.4	-26.2	41.3	23.32	48.3	9.9	H

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)
5452.800	38.3	-33.1	34.5	36.97	48.3	10.0	H
5455.200	38.3	-33.2	34.5	37.04	48.3	10.0	H
10999.600	35.1	-30.1	37.8	27.39	48.3	13.2	H
16499.600	37.3	-27.0	41.3	22.97	48.3	11.0	H
16980.300	38.4	-26.8	41.7	23.60	48.3	9.9	H
17057.300	38.3	-26.3	41.6	23.03	48.3	10.0	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)
5522.800	35.9	-34.3	34.5	35.69	48.3	12.4	H
5720.800	36.9	-33.5	34.8	35.56	48.3	11.4	H
11197.600	34.6	-30.3	38.0	26.93	48.3	13.7	H
16799.900	37.6	-26.8	41.5	22.83	48.3	10.7	H
17003.400	38.6	-26.7	41.7	23.59	48.3	9.7	H
17259.700	37.9	-26.7	41.4	23.16	48.3	10.4	H

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)
5727.600	38.0	-33.6	34.8	36.80	48.3	10.3	H
5732.800	37.5	-33.7	34.8	36.40	48.3	10.8	H
11401.100	37.7	-30.4	38.1	29.90	48.3	10.6	H
17100.200	38.2	-26.1	41.6	22.64	48.3	10.1	H
17274.000	37.9	-26.8	41.4	23.23	48.3	10.4	H
17423.600	37.6	-26.4	41.3	22.72	48.3	10.7	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)
5147.600	38.4	-34.8	34.2	38.93	48.3	9.9	H
5150.000	38.9	-34.7	34.2	39.43	48.3	9.4	H
10360.500	40.9	-30.0	37.5	33.34	48.3	7.4	H
15540.400	37.1	-27.6	40.1	24.58	48.3	11.2	H
16502.900	37.6	-27.0	41.3	23.28	48.3	10.7	H
16948.400	38.9	-27.0	41.7	24.30	48.3	9.4	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)
5127.200	35.9	-35.0	34.2	36.71	48.3	12.4	H
5278.000	37.2	-35.0	34.3	37.83	48.3	11.1	H
10401.200	38.7	-29.4	37.5	30.60	48.3	9.6	H
12794.800	38.4	-30.8	39.2	30.07	48.3	9.9	H
14965.100	38.2	-28.6	39.8	27.00	48.3	10.1	H
15597.600	37.2	-27.5	40.2	24.47	48.3	11.1	H

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)
5161.600	36.9	-34.6	34.2	37.22	48.3	11.4	H
5318.000	36.7	-34.9	34.4	37.32	48.3	11.6	H
10478.200	37.2	-31.4	37.6	31.08	48.3	11.1	H
15719.700	36.9	-27.5	40.4	23.99	48.3	11.4	H
16938.500	38.9	-27.1	41.7	24.26	48.3	9.4	H
17056.200	38.7	-26.3	41.6	23.39	48.3	9.6	H

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)
5163.200	36.0	-34.5	34.2	36.31	48.3	12.3	H
5326.000	36.7	-34.9	34.4	37.17	48.3	11.6	H
10520.000	36.3	-32.0	37.6	30.67	48.3	12.0	H
15780.000	36.2	-27.6	40.4	23.39	48.3	12.1	H
16930.800	38.7	-27.0	41.6	24.09	48.3	9.6	H
17621.600	38.4	-26.5	41.2	23.67	48.3	9.9	H

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)
5186.800	35.9	-34.2	34.3	35.81	48.3	12.4	H
5382.800	35.8	-33.9	34.4	35.24	48.3	12.5	H
10559.600	36.6	-30.7	37.6	29.63	48.3	11.7	H
15839.600	36.6	-27.5	40.5	23.63	48.3	11.7	H
16950.600	38.9	-27.0	41.7	24.31	48.3	9.4	H
17630.400	38.3	-26.5	41.2	23.55	48.3	10.0	H

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)
5350.000	41.0	-34.6	34.4	41.20	48.3	7.3	H
5354.000	40.2	-34.5	34.4	40.33	48.3	8.1	H
10639.900	35.9	-29.0	37.7	27.21	48.3	12.4	H
15959.500	36.3	-27.1	40.7	22.72	48.3	12.0	H
16948.400	39.0	-27.0	41.7	24.34	48.3	9.3	H
17628.200	38.5	-26.5	41.2	23.72	48.3	9.8	H

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)
5450.800	35.3	-33.1	34.5	33.90	48.3	13.0	H
5458.400	35.2	-33.2	34.5	34.00	48.3	13.1	H
11001.800	35.6	-30.2	37.8	27.96	48.3	12.7	H
16499.600	37.1	-27.0	41.3	22.78	48.3	11.2	H
16962.700	38.5	-27.0	41.7	23.76	48.3	9.8	H
17056.200	38.5	-26.3	41.6	23.17	48.3	9.8	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)
5432.000	35.4	-33.2	34.4	34.18	48.3	12.9	H
5900.400	36.5	-32.4	35.1	33.82	48.3	11.8	H
11199.800	35.6	-30.3	38.0	27.88	48.3	12.7	H
16799.900	37.4	-26.8	41.5	22.68	48.3	10.9	H
16955.000	38.6	-27.0	41.7	23.90	48.3	9.7	H
17056.200	38.5	-26.3	41.6	23.16	48.3	9.8	H

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)
5725.200	40.9	-33.6	34.8	39.69	48.3	7.4	H
5725.600	40.6	-33.6	34.8	39.38	48.3	7.7	H
11401.100	37.1	-30.4	38.1	29.38	48.3	11.2	H
17100.200	38.1	-26.1	41.6	22.58	48.3	10.2	H
17235.500	37.8	-26.6	41.5	22.97	48.3	10.5	H
17370.800	37.8	-26.6	41.3	23.09	48.3	10.5	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)
5149.200	47.8	-34.8	34.2	48.30	54.0	6.2	H
5150.000	48.3	-34.7	34.2	48.83	54.0	5.7	H
10378.100	37.0	-29.7	37.5	29.19	48.3	11.3	H
15570.100	37.1	-27.6	40.2	24.51	48.3	11.2	H
16937.400	38.8	-27.1	41.7	24.21	48.3	9.5	H
17021.000	38.8	-26.6	41.7	23.72	48.3	9.5	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)
5147.200	36.2	-34.8	34.2	36.80	48.3	12.1	H
5300.800	37.2	-35.1	34.3	37.88	48.3	11.1	H
10460.000	30.9	-30.9	37.6	24.18	48.3	17.4	H
15690.000	35.2	-27.4	40.3	22.31	48.3	13.1	H
12449.400	36.5	-28.9	39.1	26.35	48.3	11.8	H
17098.000	37.2	-26.1	41.6	21.72	48.3	11.1	H

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)
4973.600	33.5	-34.8	34.1	34.18	48.3	14.8	H
5459.200	35.1	-33.2	34.5	33.92	48.3	13.2	H
10539.800	33.4	-31.3	37.6	27.16	48.3	14.9	H
15809.900	35.2	-27.6	40.5	22.36	48.3	13.1	H
16640.400	36.5	-26.6	41.4	21.68	48.3	11.8	H
17100.200	37.2	-26.1	41.6	21.67	48.3	11.1	H

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)
5325.200	44.9	-34.9	34.4	45.37	54.0	9.1	H
5326.400	44.4	-34.9	34.4	44.85	54.0	9.6	H
10620.100	30.9	-28.8	37.6	22.06	48.3	17.4	H
15929.800	35.9	-27.2	40.6	22.53	48.3	12.4	H
16958.300	38.6	-27.0	41.7	23.87	48.3	9.7	H
17073.800	38.2	-26.2	41.6	22.83	48.3	10.1	H

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)
5456.400	37.4	-33.2	34.5	36.11	48.3	10.9	H
5458.800	37.7	-33.2	34.5	36.45	48.3	10.6	H
11018.300	34.1	-30.6	37.8	26.92	48.3	14.2	H
16530.400	37.0	-26.9	41.3	22.59	48.3	11.3	H
16935.200	38.6	-27.0	41.6	24.03	48.3	9.7	H
17014.400	38.6	-26.6	41.7	23.57	48.3	9.7	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)
5418.800	35.1	-33.4	34.4	33.99	48.3	13.2	H
5881.200	36.1	-32.7	35.0	33.83	48.3	12.2	H
11180.000	33.3	-30.1	37.9	25.50	48.3	15.0	H
16770.200	37.4	-26.7	41.5	22.58	48.3	10.9	H
16945.100	38.6	-27.1	41.7	24.02	48.3	9.7	H
17099.100	38.3	-26.1	41.6	22.74	48.3	10.0	H

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)
5725.200	36.1	-33.6	34.8	34.85	48.3	12.2	H
5726.000	36.0	-33.6	34.8	34.83	48.3	12.3	H
11339.500	34.1	-30.5	38.1	26.53	48.3	14.2	H
17010.000	38.4	-26.6	41.7	23.40	48.3	9.9	H
17213.500	38.0	-26.5	41.5	23.00	48.3	10.3	H
17404.900	37.6	-26.5	41.3	22.75	48.3	10.7	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)
17932.900	36.0	-25.5	43.4	18.07	48.3	12.3	H
17979.100	36.0	-25.5	43.4	18.06	48.3	12.3	V
17957.100	35.9	-25.5	43.4	18.02	48.3	12.4	H
17963.700	35.9	-25.5	43.4	18.00	48.3	12.4	H
17953.800	35.9	-25.5	43.4	18.00	48.3	12.4	H
5128.445	42.3	-17.0	33.4	25.95	48.3	6.0	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)
17997.800	35.1	-25.5	43.4	17.16	48.3	13.2	H
17983.500	35.0	-25.5	43.4	17.11	48.3	13.3	H
17979.100	35.0	-25.5	43.4	17.10	48.3	13.3	V
17971.400	35.0	-25.5	43.4	17.09	48.3	13.3	H
17973.600	35.0	-25.5	43.4	17.09	48.3	13.3	V
17984.600	35.0	-25.5	43.4	17.08	48.3	13.3	H

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)
17976.900	35.1	-25.5	43.4	17.19	48.3	13.2	H
17934.000	35.0	-25.5	43.4	17.13	48.3	13.3	V
17980.200	35.0	-25.5	43.4	17.10	48.3	13.3	H
17970.300	35.0	-25.5	43.4	17.09	48.3	13.3	V
17963.700	35.0	-25.5	43.4	17.09	48.3	13.3	V
17991.200	35.0	-25.5	43.4	17.07	48.3	13.3	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)
17994.500	35.2	-25.5	43.4	17.29	48.3	13.1	V
17985.700	35.1	-25.5	43.4	17.23	48.3	13.2	V
17980.200	35.1	-25.5	43.4	17.21	48.3	13.2	V
17937.300	35.1	-25.5	43.4	17.18	48.3	13.2	V
17991.200	35.0	-25.5	43.4	17.12	48.3	13.3	V
17961.500	35.0	-25.5	43.4	17.11	48.3	13.3	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)
17987.900	35.3	-25.5	43.4	17.40	48.3	13.0	V
17989.000	35.2	-25.5	43.4	17.31	48.3	13.1	H
17973.600	35.2	-25.5	43.4	17.28	48.3	13.1	H
17976.900	35.1	-25.5	43.4	17.23	48.3	13.2	H
17959.300	35.1	-25.5	43.4	17.20	48.3	13.2	V
17991.200	35.1	-25.5	43.4	17.18	48.3	13.2	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)
17986.800	35.0	-25.5	43.4	17.09	48.3	13.3	H
17996.700	35.0	-25.5	43.4	17.07	48.3	13.3	H
17973.600	35.0	-25.5	43.4	17.06	48.3	13.3	V
17979.100	34.9	-25.5	43.4	17.04	48.3	13.4	H
17976.900	34.9	-25.5	43.4	17.04	48.3	13.4	V
5374.500	42.0	-16.7	33.4	25.29	48.3	6.3	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)
17983.500	35.2	-25.5	43.4	17.32	48.3	13.1	V
17987.900	35.2	-25.5	43.4	17.27	48.3	13.1	H
17990.100	35.1	-25.5	43.4	17.17	48.3	13.2	H
17982.400	35.0	-25.5	43.4	17.12	48.3	13.3	V
17978.000	35.0	-25.5	43.4	17.12	48.3	13.3	V
5453.420	42.1	-16.8	33.4	25.48	48.3	6.2	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)
17963.700	35.3	-25.5	43.4	17.41	48.3	13.0	H
17985.700	35.1	-25.5	43.4	17.17	48.3	13.2	H
17974.700	35.1	-25.5	43.4	17.16	48.3	13.2	H
17982.400	35.1	-25.5	43.4	17.16	48.3	13.2	V
17951.600	35.0	-25.5	43.4	17.15	48.3	13.3	V
17976.900	35.0	-25.5	43.4	17.13	48.3	13.3	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)
17976.900	35.8	-25.5	43.4	17.86	48.3	12.5	V
17980.200	35.6	-25.5	43.4	17.65	48.3	12.8	V
17997.800	35.5	-25.5	43.4	17.63	48.3	12.8	H
17962.600	35.4	-25.5	43.4	17.52	48.3	12.9	V
17993.400	35.4	-25.5	43.4	17.52	48.3	12.9	V
5745.365	43.4	-16.3	34.2	25.54	48.3	4.9	V

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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)
17972.500	35.0	-25.5	43.4	17.11	48.3	13.3	V
17982.400	35.0	-25.5	43.4	17.08	48.3	13.3	H
17929.600	35.0	-25.5	43.4	17.06	48.3	13.3	V
17925.200	34.9	-25.5	43.4	17.03	48.3	13.4	H
17969.200	34.9	-25.5	43.4	17.01	48.3	13.4	H
5132.810	42.2	-17.0	33.4	25.82	48.3	6.1	V

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)
17949.400	35.2	-25.5	43.4	17.25	48.3	13.1	H
17982.400	35.1	-25.5	43.4	17.20	48.3	13.2	H
17997.800	35.1	-25.5	43.4	17.15	48.3	13.3	V
17986.800	35.0	-25.5	43.4	17.14	48.3	13.3	H
17976.900	35.0	-25.5	43.4	17.10	48.3	13.3	V
17980.200	35.0	-25.5	43.4	17.10	48.3	13.3	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)
17975.800	35.1	-25.5	43.4	17.24	48.3	13.2	V
17971.400	35.1	-25.5	43.4	17.20	48.3	13.2	H
17986.800	35.1	-25.5	43.4	17.17	48.3	13.2	V
17993.400	35.1	-25.5	43.4	17.16	48.3	13.2	V
17990.100	35.0	-25.5	43.4	17.09	48.3	13.3	H
17959.300	35.0	-25.5	43.4	17.08	48.3	13.3	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)
17982.400	35.3	-25.5	43.4	17.37	48.3	13.0	H
17997.800	35.2	-25.5	43.4	17.28	48.3	13.1	V
17980.200	35.1	-25.5	43.4	17.17	48.3	13.2	H
17979.100	35.1	-25.5	43.4	17.17	48.3	13.2	V
17993.400	35.0	-25.5	43.4	17.13	48.3	13.3	V
5374.965	42.0	-16.7	33.4	25.30	48.3	6.3	H

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)
17990.100	35.2	-25.5	43.4	17.33	48.3	13.1	V
17994.500	35.2	-25.5	43.4	17.31	48.3	13.1	V
17891.100	35.2	-25.5	43.4	17.25	48.3	13.1	H
17980.200	35.1	-25.5	43.4	17.23	48.3	13.2	V
17939.500	35.1	-25.5	43.4	17.23	48.3	13.2	H
5457.140	41.9	-16.8	33.4	25.22	48.3	6.4	V

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)
17987.900	35.4	-25.5	43.4	17.45	48.3	13.0	V
17994.500	35.3	-25.5	43.4	17.43	48.3	13.0	H
17974.700	35.3	-25.5	43.4	17.41	48.3	13.0	H
17992.300	35.2	-25.5	43.4	17.35	48.3	13.1	V
17985.700	35.2	-25.5	43.4	17.34	48.3	13.1	V
17981.300	35.2	-25.5	43.4	17.32	48.3	13.1	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)
17978.000	35.5	-25.5	43.4	17.63	48.3	12.8	V
17994.500	35.3	-25.5	43.4	17.44	48.3	13.0	V
17992.300	35.3	-25.5	43.4	17.42	48.3	13.0	V
17997.800	35.3	-25.5	43.4	17.41	48.3	13.0	V
17960.400	35.3	-25.5	43.4	17.38	48.3	13.0	V
5749.880	43.3	-16.3	34.2	25.47	48.3	5.0	V

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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)
17994.500	35.1	-25.5	43.4	17.17	48.3	13.2	H
17919.700	35.1	-25.5	43.4	17.15	48.3	13.2	V
17987.900	35.0	-25.5	43.4	17.11	48.3	13.3	V
17957.100	35.0	-25.5	43.4	17.08	48.3	13.3	V
17982.400	35.0	-25.5	43.4	17.07	48.3	13.3	V
5135.280	42.1	-17.0	33.4	25.75	48.3	6.2	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)
17980.200	35.2	-25.5	43.4	17.33	48.3	13.1	H
17979.100	35.1	-25.5	43.4	17.20	48.3	13.2	V
17981.300	35.0	-25.5	43.4	17.14	48.3	13.3	V
17987.900	35.0	-25.5	43.4	17.14	48.3	13.3	V
17985.700	35.0	-25.5	43.4	17.13	48.3	13.3	V
5355.525	42.3	-16.9	33.4	25.82	48.3	6.0	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)
17978.000	35.2	-25.5	43.4	17.31	48.3	13.1	H
17975.800	35.1	-25.5	43.4	17.24	48.3	13.2	V
17996.700	35.1	-25.5	43.4	17.24	48.3	13.2	V
17969.200	35.1	-25.5	43.4	17.24	48.3	13.2	V
17984.600	35.1	-25.5	43.4	17.22	48.3	13.2	V
5452.680	42.3	-16.8	33.4	25.70	48.3	6.0	V

PEAK Results:

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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)
5149.765	59.5	-34.8	34.2	60.05	68.3	8.8	H
5149.850	59.2	-34.8	34.2	59.70	68.3	9.1	H
10362.700	54.8	-29.9	37.5	47.19	68.3	13.5	H
15539.850	52.0	-27.6	40.1	39.51	68.3	16.3	V
16315.350	55.1	-26.7	41.1	40.69	68.3	13.2	H
16950.600	56.8	-27.0	41.7	42.16	68.3	11.5	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)
5131.600	48.2	-35.0	34.2	48.99	68.3	20.1	H
5264.200	48.1	-34.8	34.3	48.63	68.3	20.2	H
10401.200	52.2	-29.4	37.5	44.14	68.3	16.1	H
15599.800	50.7	-27.5	40.2	37.99	68.3	17.6	H
16316.450	54.6	-26.7	41.1	40.18	68.3	13.7	H
16946.750	55.9	-27.1	41.7	41.25	68.3	12.4	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)
5131.600	46.4	-35.0	34.2	47.21	68.3	21.9	H
5369.800	47.1	-34.2	34.4	46.86	68.3	21.2	H
10480.400	50.1	-31.5	37.6	43.99	68.3	18.2	H
15720.250	50.4	-27.5	40.4	37.56	68.3	17.9	V
16832.350	55.5	-26.9	41.6	40.83	68.3	12.8	H
16947.300	56.7	-27.1	41.7	42.07	68.3	11.6	H

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)
5141.600	46.5	-34.9	34.2	47.17	68.3	21.8	H
4352.000	47.8	-34.2	33.9	48.10	68.3	20.5	H
10520.000	47.8	-32.0	37.6	42.19	68.3	20.5	H
15780.200	50.0	-27.6	40.4	37.18	68.3	18.3	H
17742.600	55.5	-26.5	41.2	40.73	68.3	12.8	V
17942.800	55.8	-26.0	41.3	40.54	68.3	12.5	H

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)
5180.200	47.7	-34.3	34.2	47.71	68.3	20.6	H
5362.000	48.6	-34.3	34.4	48.52	68.3	19.7	H
10560.150	47.0	-30.6	37.6	40.06	68.3	21.3	H
15840.150	50.9	-27.5	40.5	37.89	68.3	17.4	V
17493.450	55.5	-26.3	41.2	40.57	68.3	12.8	H
17934.550	55.2	-26.0	41.3	39.99	68.3	13.1	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)
5350.480	61.1	-34.6	34.4	61.29	68.3	7.2	V
5351.080	60.9	-34.5	34.4	61.02	68.3	7.4	V
10639.900	47.0	-29.0	37.7	38.36	68.3	21.3	H
15960.050	51.6	-27.1	40.7	38.06	68.3	16.7	H
17450.000	55.2	-26.3	41.2	40.25	68.3	13.1	H
17975.250	55.1	-25.9	41.3	39.62	68.3	13.2	H

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)
5459.290	59.5	-33.2	34.5	58.29	68.3	8.8	H
5459.565	60.4	-33.3	34.5	59.15	68.3	7.9	H
11000.150	52.0	-30.1	37.8	44.32	68.3	16.3	H
16500.150	53.7	-27.0	41.3	39.44	68.3	14.6	H
16886.250	55.5	-27.0	41.6	40.85	68.3	12.8	V
17225.050	56.5	-26.5	41.5	41.58	68.3	11.8	V

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)
5516.000	47.0	-34.3	34.5	46.76	68.3	21.3	H
5718.600	48.0	-33.5	34.8	46.68	68.3	20.3	H
11208.050	50.1	-30.4	38.0	42.52	68.3	18.2	V
16799.000	52.6	-26.8	41.5	37.86	68.3	15.7	H
17148.050	56.0	-26.1	41.6	40.55	68.3	12.3	H
17457.150	54.8	-26.3	41.2	39.86	68.3	13.5	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)
5726.515	66.6	-33.6	34.8	65.35	68.3	1.7	H
5728.525	66.2	-33.7	34.8	64.98	68.3	2.1	H
11401.100	52.1	-30.4	38.1	44.30	68.3	16.2	V
17100.200	53.9	-26.1	41.6	38.39	68.3	14.4	H
17303.150	55.3	-26.8	41.4	40.74	68.3	13.0	V
17553.950	54.9	-26.4	41.2	40.03	68.3	13.5	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)
5149.115	61.3	-34.8	34.2	61.81	68.3	7.0	H
5150.000	61.2	-34.7	34.2	61.76	68.3	7.1	H
10358.850	51.5	-30.0	37.5	43.97	68.3	16.8	V
15539.850	51.2	-27.6	40.1	38.69	68.3	17.1	H
16462.750	54.6	-27.2	41.3	40.52	68.3	13.7	H
16679.450	55.7	-26.6	41.4	40.92	68.3	12.6	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)
5128.600	47.6	-35.0	34.2	48.44	68.3	20.7	H
5293.600	48.0	-35.1	34.3	48.77	68.3	20.3	H
10402.850	52.3	-29.4	37.5	44.19	68.3	16.0	H
15599.800	51.2	-27.5	40.2	38.46	68.3	17.1	H
16491.900	54.9	-27.0	41.3	40.63	68.3	13.4	H
17035.300	55.6	-26.5	41.7	40.40	68.3	12.7	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)
5154.800	47.2	-34.7	34.2	47.66	68.3	21.1	H
5320.400	47.8	-34.9	34.4	48.31	68.3	20.5	H
10481.500	49.2	-31.5	37.6	43.09	68.3	19.1	H
15720.250	50.3	-27.5	40.4	37.47	68.3	18.0	H
16915.950	55.1	-27.0	41.6	40.43	68.3	13.2	V
17094.150	56.2	-26.1	41.6	40.67	68.3	12.1	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)
5162.800	47.0	-34.5	34.2	47.32	68.3	21.3	V
5354.000	46.8	-34.5	34.4	46.86	68.3	21.5	H
10520.000	47.9	-32.0	37.6	42.30	68.3	20.4	H
15780.200	51.4	-27.6	40.4	38.60	68.3	16.9	V
16934.650	55.9	-27.0	41.6	41.26	68.3	12.4	H
17728.300	56.0	-26.5	41.2	41.33	68.3	12.3	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)
5172.400	47.2	-34.4	34.2	47.40	68.3	21.1	H
5386.800	47.2	-33.8	34.4	46.62	68.3	21.1	H
10560.150	48.2	-30.6	37.6	41.18	68.3	20.1	V
15840.150	50.9	-27.5	40.5	37.90	68.3	17.4	V
17006.150	55.2	-26.7	41.7	40.22	68.3	13.1	V
17945.550	55.7	-26.0	41.3	40.42	68.3	12.6	H

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)
5350.275	67.3	-34.6	34.4	67.49	74	6.7	H
5351.245	67.5	-34.5	34.4	67.67	74	6.5	V
10639.900	47.0	-29.0	37.7	38.36	68.3	21.3	H
15960.050	51.6	-27.1	40.7	38.06	68.3	16.7	V
16962.700	55.8	-27.0	41.7	41.07	68.3	12.5	V
17951.600	55.2	-26.0	41.3	39.87	68.3	13.1	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)
5458.180	62.5	-33.2	34.5	61.24	68.3	5.8	H
5458.585	61.3	-33.2	34.5	60.11	68.3	7.0	H
11000.150	52.0	-30.1	37.8	44.32	68.3	16.3	H
16500.150	53.7	-27.0	41.3	39.44	68.3	14.6	H
17087.000	55.3	-26.1	41.6	39.84	68.3	13.0	H
17225.050	56.5	-26.5	41.5	41.58	68.3	11.8	V

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)
5449.600	45.2	-33.1	34.5	43.82	68.3	23.1	H
5936.000	46.3	-32.6	35.1	43.73	68.3	22.0	H
11199.800	49.5	-30.3	38.0	41.86	68.3	18.8	V
16799.900	52.5	-26.8	41.5	37.77	68.3	15.8	V
16999.000	54.9	-26.7	41.7	39.95	68.3	13.4	H
17172.250	56.2	-26.3	41.5	40.92	68.3	12.1	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)
5725.205	66.4	-33.6	34.8	65.16	68.3	1.9	H
5729.150	65.4	-33.7	34.8	64.23	68.3	2.9	H
11401.100	50.0	-30.4	38.1	42.23	68.3	18.3	H
17100.200	54.0	-26.1	41.6	38.42	68.3	14.3	H
17351.000	55.2	-26.6	41.3	40.52	68.3	13.1	V
17632.050	55.5	-26.5	41.2	40.75	68.3	12.8	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)
5146.180	71.5	-34.8	34.2	72.08	74.0	2.5	H
5148.700	72.0	-34.8	34.2	72.50	74.0	2.0	H
10379.750	50.0	-29.7	37.5	42.25	68.3	18.3	V
15570.100	51.2	-27.6	40.2	38.58	68.3	17.1	V
16467.150	55.3	-27.1	41.3	41.18	68.3	13.0	V
16628.300	55.6	-26.6	41.4	40.73	68.3	12.7	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)
5128.600	47.2	-35.0	34.2	48.04	68.3	21.1	H
5332.600	47.0	-34.8	34.4	47.47	68.3	21.3	H
10460.050	48.3	-30.9	37.6	41.68	68.3	20.0	H
15690.000	51.8	-27.4	40.3	38.90	68.3	16.5	V
15689.450	54.6	-27.4	40.3	41.71	68.3	13.7	H
16693.750	55.0	-26.6	41.5	40.24	68.3	13.3	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)
5116.400	42.2	-35.0	34.2	43.07	68.3	26.1	V
5449.600	43.2	-33.1	34.5	41.77	68.3	25.1	H
10539.800	46.8	-31.3	37.6	40.49	68.3	21.5	V
15809.900	50.4	-27.6	40.5	37.55	68.3	17.9	H
17095.800	55.9	-26.1	41.6	40.43	68.3	12.4	H
17627.100	55.5	-26.5	41.2	40.72	68.3	12.8	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)
5350.895	68.4	-34.6	34.4	68.62	74.0	5.6	H
5351.125	68.2	-34.6	34.4	68.35	74.0	5.8	H
10620.100	45.7	-28.8	37.6	36.92	68.3	22.6	H
15929.800	51.9	-27.2	40.6	38.49	68.3	16.4	H
16463.300	55.9	-27.2	41.3	41.77	68.3	12.4	V
16945.650	56.1	-27.1	41.7	41.51	68.3	12.2	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)
5458.860	64.5	-33.2	34.5	63.26	68.3	3.8	H
5459.330	63.6	-33.2	34.5	62.38	68.3	4.7	H
11019.950	48.3	-30.7	37.8	41.21	68.3	20.0	H
16529.850	53.4	-26.9	41.3	38.94	68.3	14.9	V
16920.900	55.1	-27.0	41.6	40.52	68.3	13.2	V
17085.900	55.1	-26.2	41.6	39.60	68.3	13.2	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)
5189.000	45.7	-34.2	34.3	45.66	68.3	22.6	H
5874.400	46.0	-32.9	35.0	43.87	68.3	22.3	H
11180.000	47.0	-30.1	37.9	39.16	68.3	21.3	V
16770.200	52.7	-26.7	41.5	37.87	68.3	15.6	H
16946.750	55.5	-27.1	41.7	40.91	68.3	12.8	V
17146.950	54.9	-26.1	41.6	39.45	68.3	13.4	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)
5725.430	62.4	-33.6	34.8	61.22	68.3	5.9	H
5729.150	62.9	-33.7	34.8	61.71	68.3	5.4	H
11340.050	49.4	-30.5	38.1	41.80	68.3	18.9	H
17010.000	53.0	-26.6	41.7	37.95	68.3	15.3	H
17337.250	55.8	-26.7	41.4	41.11	68.3	12.5	V
17537.450	54.9	-26.4	41.2	40.02	68.3	13.4	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)
17991.200	47.9	-25.5	43.4	30.00	68.3	20.4	V
17897.700	47.8	-25.5	43.4	29.93	68.3	20.5	H
17481.900	47.8	-26.9	43.4	31.27	68.3	20.5	H
17989.000	47.8	-25.5	43.4	29.89	68.3	20.5	V
17948.300	47.8	-25.5	43.4	29.86	68.3	20.5	H
5131.015	55.0	-17.0	33.4	38.60	68.3	13.3	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)
17883.400	47.9	-25.5	43.4	30.04	68.3	20.4	H
17894.400	47.3	-25.5	43.4	29.41	68.3	21.0	V
17415.900	47.0	-26.9	43.4	30.42	68.3	21.3	V
17974.700	46.9	-25.5	43.4	29.00	68.3	21.4	V
17982.400	46.8	-25.5	43.4	28.91	68.3	21.5	V
17985.700	46.7	-25.5	43.4	28.82	68.3	21.6	H

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)
17884.500	47.1	-25.5	43.4	29.24	68.3	21.2	V
17758.000	47.1	-25.5	43.4	29.20	68.3	21.2	H
17817.400	47.0	-25.5	43.4	29.08	68.3	21.3	V
17896.600	46.9	-25.5	43.4	29.00	68.3	21.4	H
17564.400	46.8	-25.7	43.4	29.19	68.3	21.5	H
17879.000	46.7	-25.5	43.4	28.84	68.3	21.6	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)
17810.800	47.4	-25.5	43.4	29.49	68.3	20.9	H
17937.300	47.4	-25.5	43.4	29.45	68.3	21.0	V
17197.000	47.0	-26.6	40.1	33.49	68.3	21.3	H
17921.900	46.9	-25.5	43.4	29.04	68.3	21.4	H
17802.000	46.7	-25.5	43.4	28.81	68.3	21.6	H
17517.100	46.7	-26.9	43.4	30.11	68.3	21.6	H

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)
17774.500	47.4	-25.5	43.4	29.48	68.3	20.9	V
17990.100	47.2	-25.5	43.4	29.26	68.3	21.1	H
17689.800	46.9	-25.7	43.4	29.21	68.3	21.4	H
17951.600	46.8	-25.5	43.4	28.87	68.3	21.5	V
17883.400	46.7	-25.5	43.4	28.84	68.3	21.6	V
17965.900	46.7	-25.5	43.4	28.77	68.3	21.6	H

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)
17974.700	47.4	-25.5	43.4	29.48	68.3	20.9	H
17866.900	47.2	-25.5	43.4	29.31	68.3	21.1	H
17971.400	47.0	-25.5	43.4	29.11	68.3	21.3	H
17056.200	46.9	-26.6	40.1	33.38	68.3	21.4	H
17982.400	46.9	-25.5	43.4	28.95	68.3	21.4	H
5367.540	54.7	-16.9	33.4	38.23	68.3	13.6	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)
17793.200	47.1	-25.5	43.4	29.17	68.3	21.2	H
17921.900	47.0	-25.5	43.4	29.15	68.3	21.3	H
17990.100	46.9	-25.5	43.4	29.01	68.3	21.4	H
17983.500	46.8	-25.5	43.4	28.86	68.3	21.5	V
17974.700	46.7	-25.5	43.4	28.83	68.3	21.6	H
5454.910	54.6	-16.8	33.4	37.94	68.3	13.7	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)
17892.200	47.3	-25.5	43.4	29.38	68.3	21.0	V
17781.100	47.1	-25.5	43.4	29.21	68.3	21.2	H
17397.200	46.9	-26.9	43.4	30.38	68.3	21.4	V
17897.700	46.9	-25.5	43.4	28.99	68.3	21.4	H
17993.400	46.8	-25.5	43.4	28.93	68.3	21.5	V
17978.000	46.7	-25.5	43.4	28.85	68.3	21.6	H

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)
17756.900	47.2	-25.5	43.4	29.27	68.3	21.1	V
17898.800	47.0	-25.5	43.4	29.14	68.3	21.3	V
17886.700	46.9	-25.5	43.4	29.01	68.3	21.4	H
17871.300	46.9	-25.5	43.4	28.96	68.3	21.4	V
17875.700	46.8	-25.5	43.4	28.91	68.3	21.5	V
5725.070	56.4	-16.3	34.2	38.52	68.3	11.9	V

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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)
17791.000	47.2	-25.5	43.4	29.32	68.3	21.1	V
17935.100	47.1	-25.5	43.4	29.22	68.3	21.2	H
17928.500	46.7	-25.5	43.4	28.81	68.3	21.6	V
17456.600	46.6	-26.9	43.4	30.03	68.3	21.7	V
17458.800	46.5	-26.9	43.4	29.99	68.3	21.8	H
5149.105	54.9	-17.0	33.4	38.51	68.3	13.4	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)
17924.100	47.6	-25.5	43.4	29.68	68.3	20.7	H
17954.900	47.5	-25.5	43.4	29.60	68.3	20.8	V
17638.100	47.1	-25.7	43.4	29.44	68.3	21.2	V
17918.600	46.9	-25.5	43.4	28.99	68.3	21.4	H
17908.700	46.7	-25.5	43.4	28.83	68.3	21.6	H
17788.800	46.7	-25.5	43.4	28.81	68.3	21.6	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	47.4	-25.5	43.4	29.45	68.3	21.0	H
17995.600	47.2	-25.5	43.4	29.33	68.3	21.1	H
17976.900	47.0	-25.5	43.4	29.08	68.3	21.3	H
17440.100	47.0	-26.9	43.4	30.42	68.3	21.3	V
17939.500	46.8	-25.5	43.4	28.94	68.3	21.5	V
17992.300	46.8	-25.5	43.4	28.92	68.3	21.5	H

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)
17864.700	47.5	-25.5	43.4	29.55	68.3	20.8	V
17984.600	47.1	-25.5	43.4	29.20	68.3	21.2	V
17794.300	47.0	-25.5	43.4	29.13	68.3	21.3	V
17721.700	47.0	-25.7	43.4	29.34	68.3	21.3	V
17996.700	46.7	-25.5	43.4	28.85	68.3	21.6	V
5364.900	54.7	-16.9	33.4	38.22	68.3	13.6	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)
17870.200	47.3	-25.5	43.4	29.43	68.3	21.0	V
17987.900	47.2	-25.5	43.4	29.29	68.3	21.1	V
17934.000	47.0	-25.5	43.4	29.14	68.3	21.3	V
17959.300	46.8	-25.5	43.4	28.91	68.3	21.5	H
17958.200	46.8	-25.5	43.4	28.91	68.3	21.5	H
5457.185	55.8	-16.8	33.4	39.11	68.3	12.5	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)
17997.800	47.6	-25.5	43.4	29.70	68.3	20.7	H
17891.100	47.3	-25.5	43.4	29.38	68.3	21.0	V
17763.500	47.1	-25.5	43.4	29.20	68.3	21.2	H
17973.600	46.9	-25.5	43.4	29.03	68.3	21.4	V
17855.900	46.9	-25.5	43.4	29.03	68.3	21.4	H
17567.700	46.8	-25.7	43.4	29.18	68.3	21.5	H

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	47.9	-25.5	43.4	30.04	68.3	20.4	V
17941.700	47.2	-25.5	43.4	29.32	68.3	21.1	V
17535.800	46.9	-26.9	43.4	30.31	68.3	21.4	H
17846.000	46.7	-25.5	43.4	28.85	68.3	21.6	H
17872.400	46.7	-25.5	43.4	28.83	68.3	21.6	V
5743.530	55.6	-16.3	34.2	37.70	68.3	12.7	V

802.11ac-HT80

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)
17972.500	46.8	-25.5	43.4	28.90	68.3	21.5	H
17822.900	46.7	-25.5	43.4	28.83	68.3	21.6	V
17652.400	46.7	-25.7	43.4	29.00	68.3	21.6	H
17994.500	46.6	-25.5	43.4	28.69	68.3	21.7	H
17949.400	46.6	-25.5	43.4	28.67	68.3	21.7	H
5147.215	55.4	-17.0	33.4	39.05	68.3	12.9	V

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)
17838.300	47.1	-25.5	43.4	29.16	68.3	21.2	V
17995.600	46.8	-25.5	43.4	28.94	68.3	21.5	H
17125.500	46.6	-26.6	40.1	33.12	68.3	21.7	H
17437.900	46.6	-26.9	43.4	30.04	68.3	21.7	V
17574.300	46.6	-25.7	43.4	28.91	68.3	21.7	V
5352.495	55.2	-16.9	33.4	38.73	68.3	13.1	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)
17805.300	48.0	-25.5	43.4	30.12	68.3	20.3	V
17957.100	47.1	-25.5	43.4	29.25	68.3	21.2	H
17947.200	47.0	-25.5	43.4	29.11	68.3	21.3	H
17810.800	46.9	-25.5	43.4	28.95	68.3	21.4	H
17412.600	46.8	-26.9	43.4	30.22	68.3	21.5	V
5454.615	55.0	-16.8	33.4	38.33	68.3	13.3	H

A.7. AC Powerline Conducted Emission (150kHz- 30MHz)

Test Condition:

Voltage（V）	Frequency（Hz）
110	60

Measurement uncertainty:
Expanded measurement uncertainty for this test item is U =3.2dB, k=2.

Measurement Result and limit:
WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	66 to 56	Fig. 87	Fig. 88	P
0.5 to 5	56			
5 to 30	60			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		11a mode	Idle	
0.15 to 0.5	56 to 46	Fig. 87	Fig. 88	P
0.5 to 5	46			
5 to 30	50			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Conclusion: PASS
Test graphs as below:

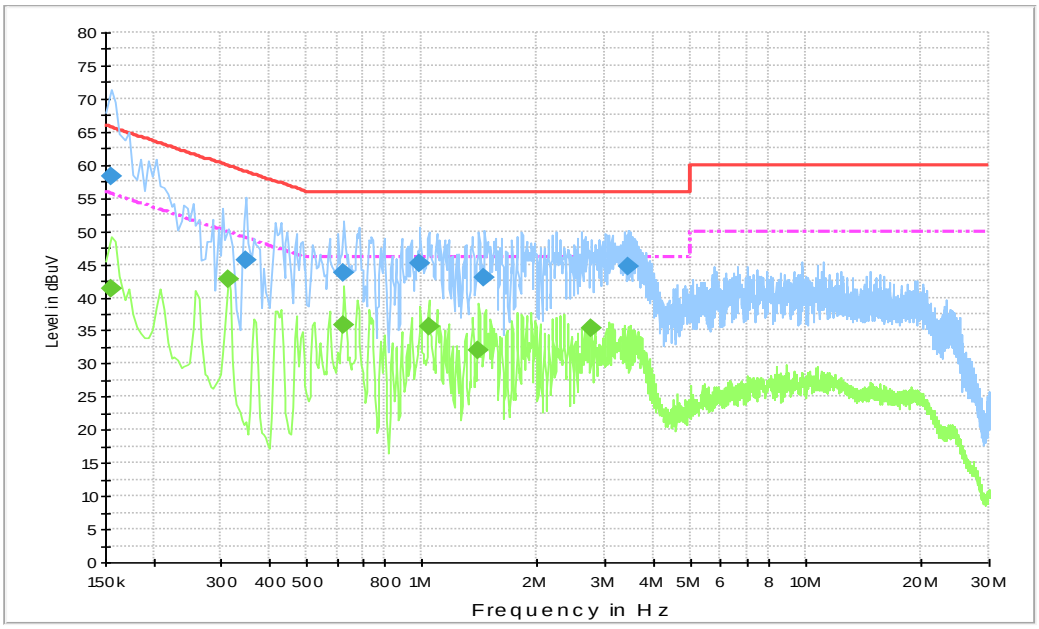

Fig. 87 Conducted Emission(802.11a, Ch40, TX)

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.154500	58.2	10000	9.000	On	L1	28.0	7.6	65.8
0.348000	45.7	10000	9.000	On	L1	20.0	13.4	59.0
0.627000	43.7	10000	9.000	On	L1	20.0	12.3	56.0
0.987000	45.1	10000	9.000	On	L1	19.9	10.9	56.0
1.455000	43.0	10000	9.000	On	L1	19.8	13.0	56.0
3.435000	44.7	10000	9.000	On	L1	19.8	11.3	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.154500	41.4	10000	9.000	On	L1	28.0	14.3	55.8
0.312000	42.7	10000	9.000	On	L1	20.0	7.2	49.9
0.627000	35.7	10000	9.000	On	L1	20.0	10.3	46.0
1.041000	35.7	10000	9.000	On	L1	19.9	10.3	46.0
1.405500	32.0	10000	9.000	On	L1	19.8	14.0	46.0
2.755500	35.4	10000	9.000	On	L1	19.8	10.6	46.0

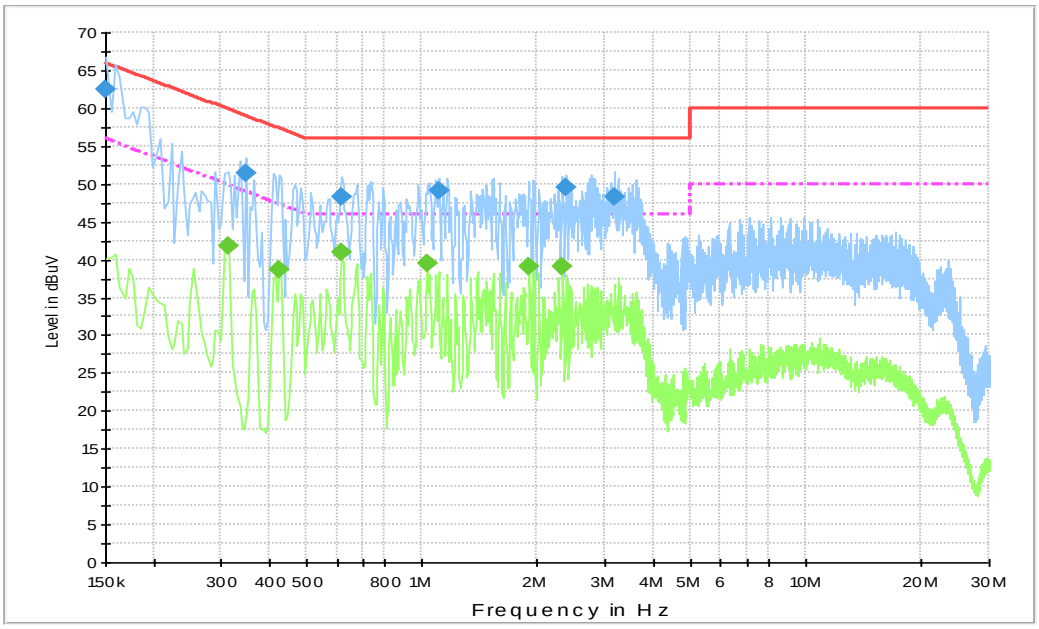

Fig. 88 Conducted Emission(802.11a, IDLE)

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	62.6	10000	9.000	On	L1	28.9	3.4	66.0
0.348000	51.4	10000	9.000	On	N	20.0	7.6	59.0
0.618000	48.2	10000	9.000	On	L1	20.0	7.8	56.0
1.104000	49.2	10000	9.000	On	L1	19.9	6.8	56.0
2.382000	49.4	10000	9.000	On	L1	19.8	6.6	56.0
3.178500	48.2	10000	9.000	On	L1	19.8	7.8	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.312000	41.8	10000	9.000	On	L1	20.0	8.1	49.9
0.424500	38.7	10000	9.000	On	L1	20.0	8.7	47.4
0.618000	41.0	10000	9.000	On	L1	20.0	5.0	46.0
1.027500	39.5	10000	9.000	On	L1	19.9	6.5	46.0
1.900500	39.0	10000	9.000	On	L1	19.8	7.0	46.0
2.323500	39.1	10000	9.000	On	L1	19.8	6.9	46.0

A.8. 99% Occupied bandwidth

Method of Measurement: See ANSI C63.10-2013-clause 12.4.2.

a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.

b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.

c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.

d) Step a) through step c) might require iteration to adjust within the specified range.

e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.

f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% ofthe total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.

h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz

Measurement Result:

Mode	Channel	99% Occupied bandwidth (MHz)		conclusion
802.11a	5180 MHz	Fig. 89	17.52	P
	5200 MHz	Fig. 90	17.52	P
	5240 MHz	Fig. 91	17.44	P
802.11n HT20	5180 MHz	Fig. 92	18.40	P
	5200 MHz	Fig. 93	18.40	P
	5240 MHz	Fig. 94	18.20	P

802.11ac HT20	5180 MHz	Fig. 95	17.92	P
	5200 MHz	Fig. 96	17.92	P
	5240 MHz	Fig. 97	17.92	P

802.11n HT40	5190 MHz	Fig. 98	36.32	P
	5230 MHz	Fig. 99	36.24	P

802.11ac HT40	5190 MHz	Fig. 100	36.16	P
	5230 MHz	Fig. 101	36.24	P

802.11ac HT80	5210 MHz	Fig. 102	75.36	P

Conclusion: PASS

Test graphs as below:

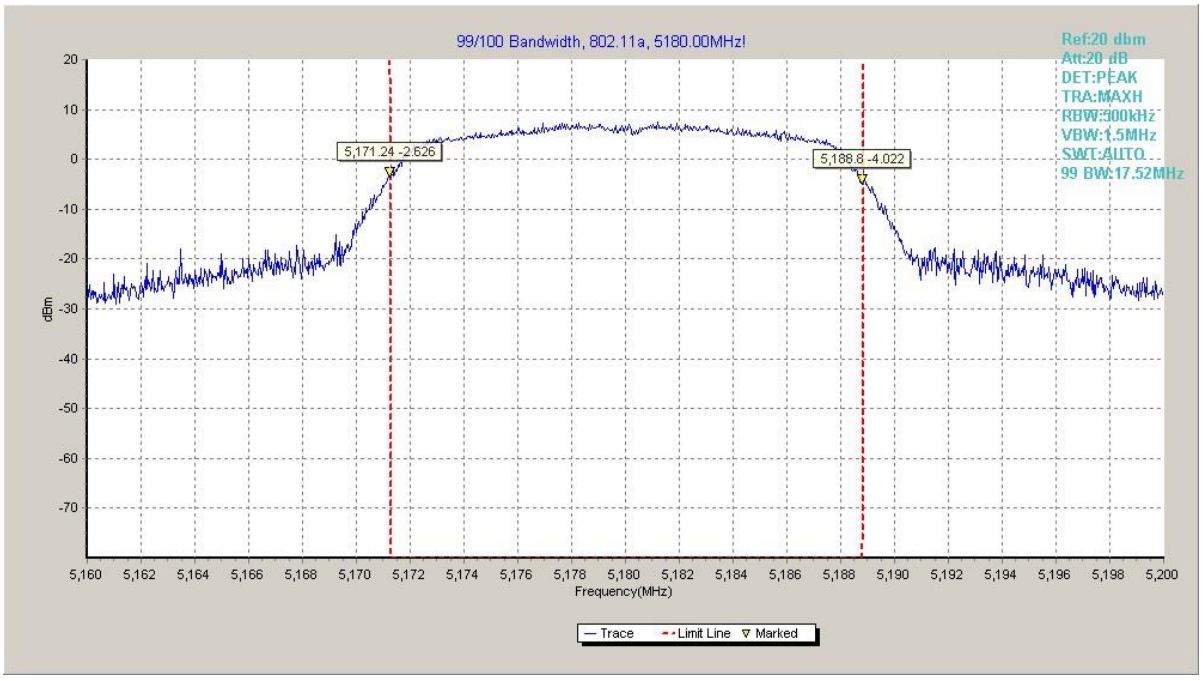

Fig. 89 99% Occupied bandwidth (802.11a, 5180MHz)

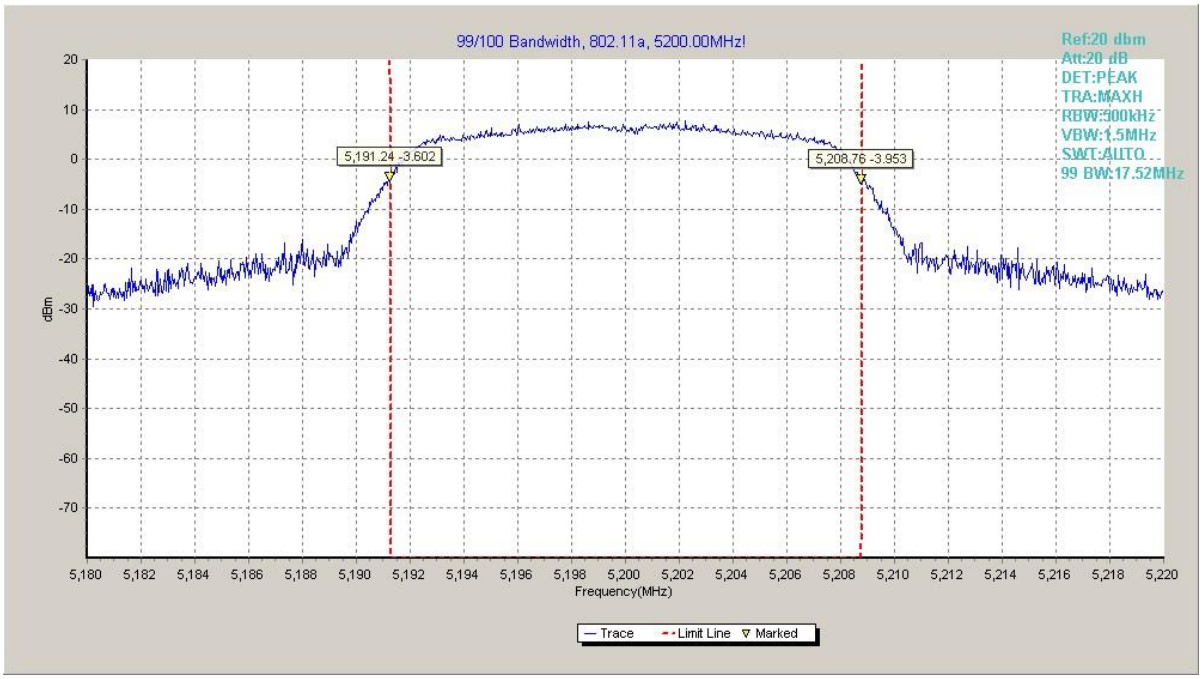

Fig. 90 99% Occupied bandwidth (802.11a, 5200MHz)

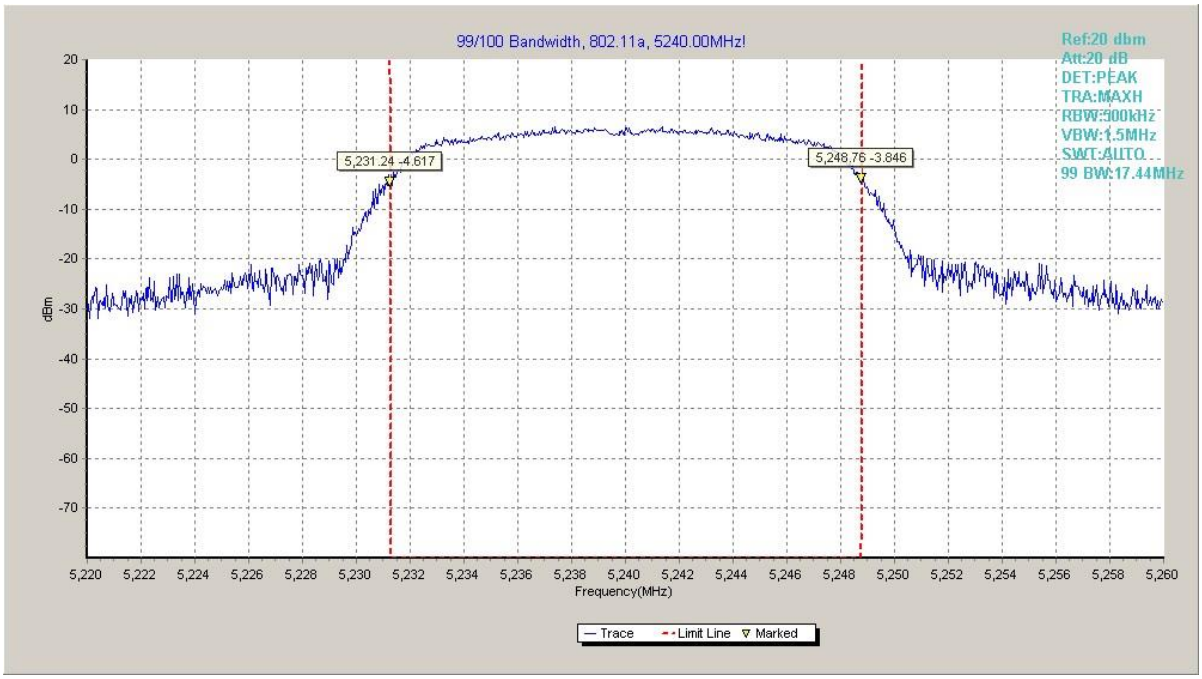

Fig. 91 99% Occupied bandwidth (802.11a, 5240MHz)