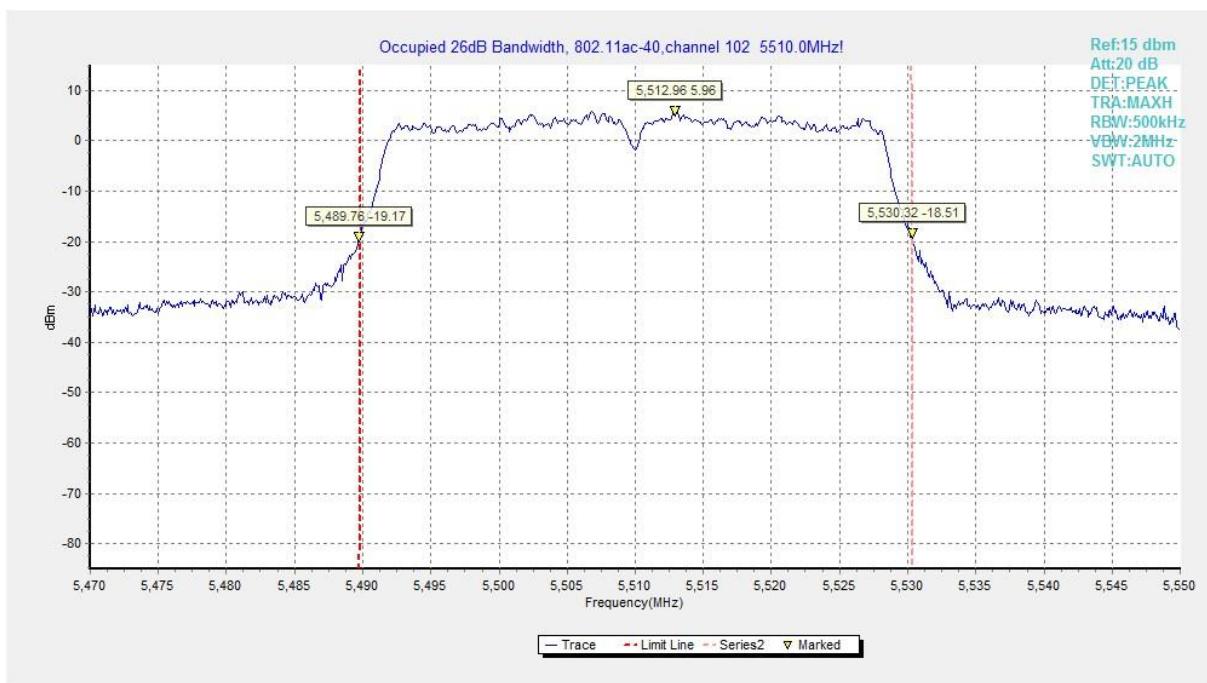
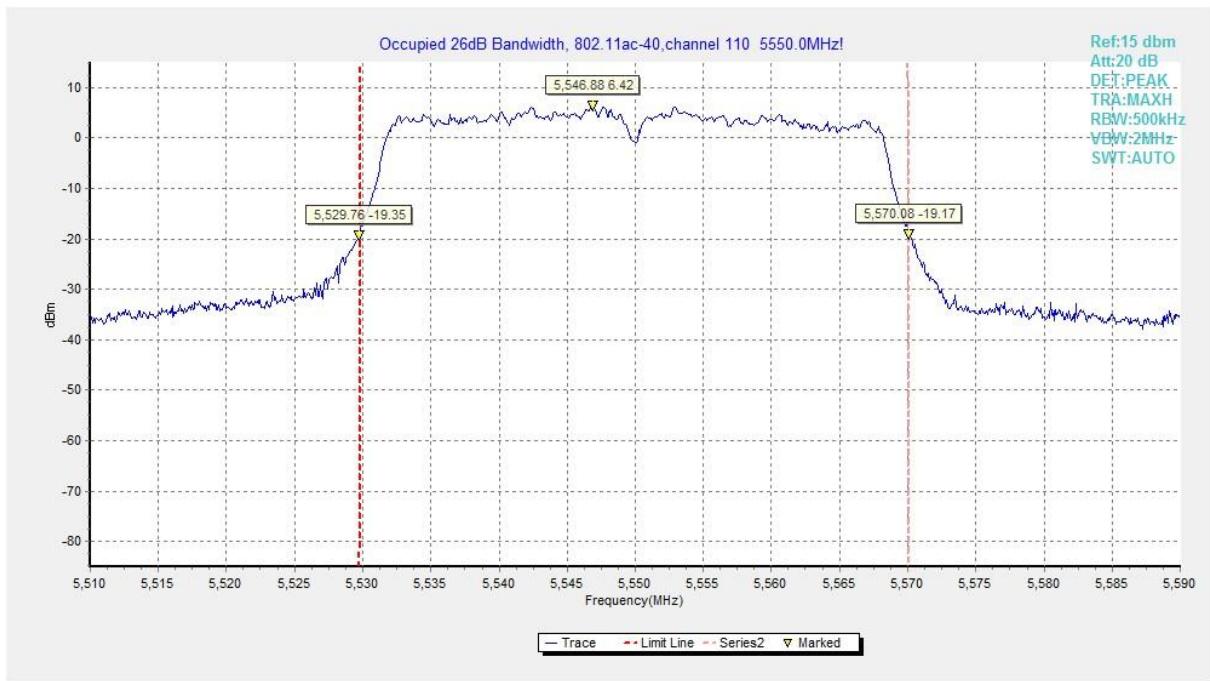
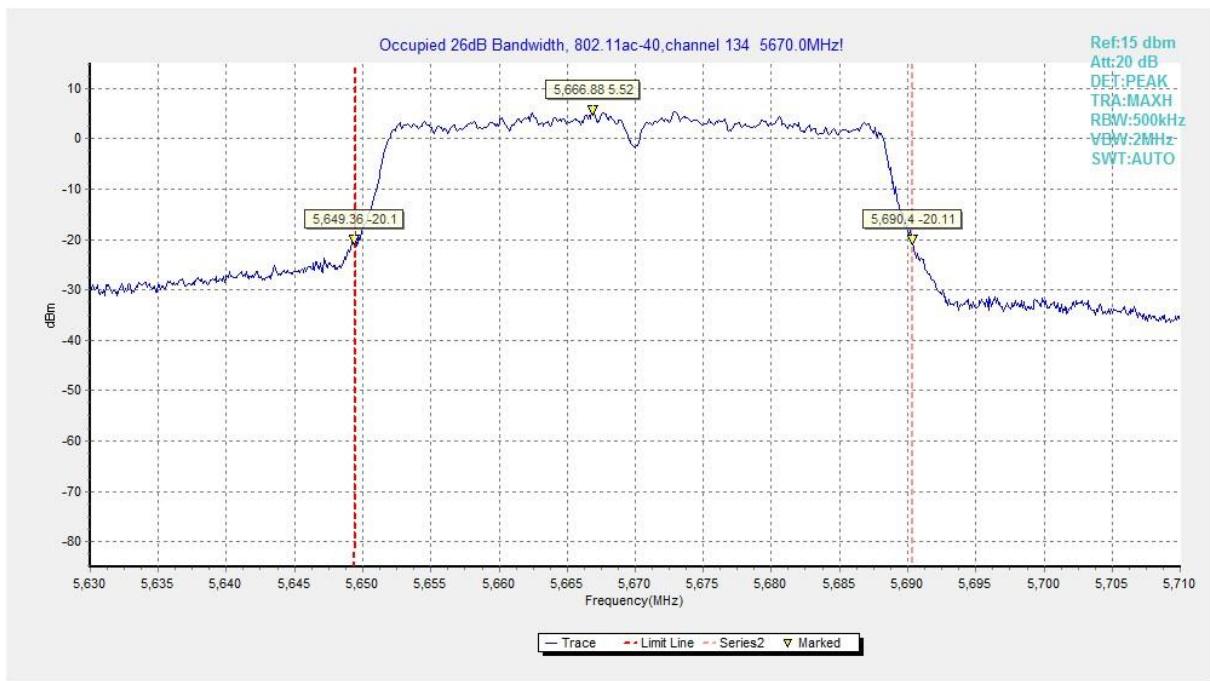
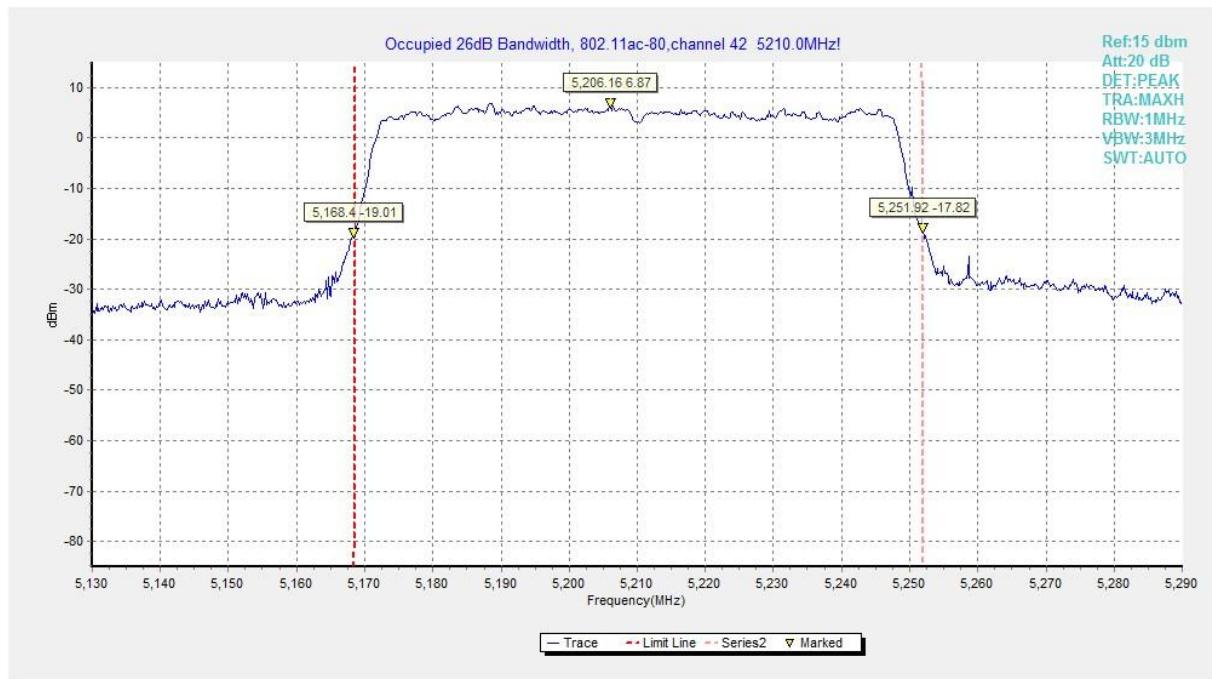


**Fig. 38 Occupied 26dB Bandwidth (802.11ac-HT40, 5310MHz)**

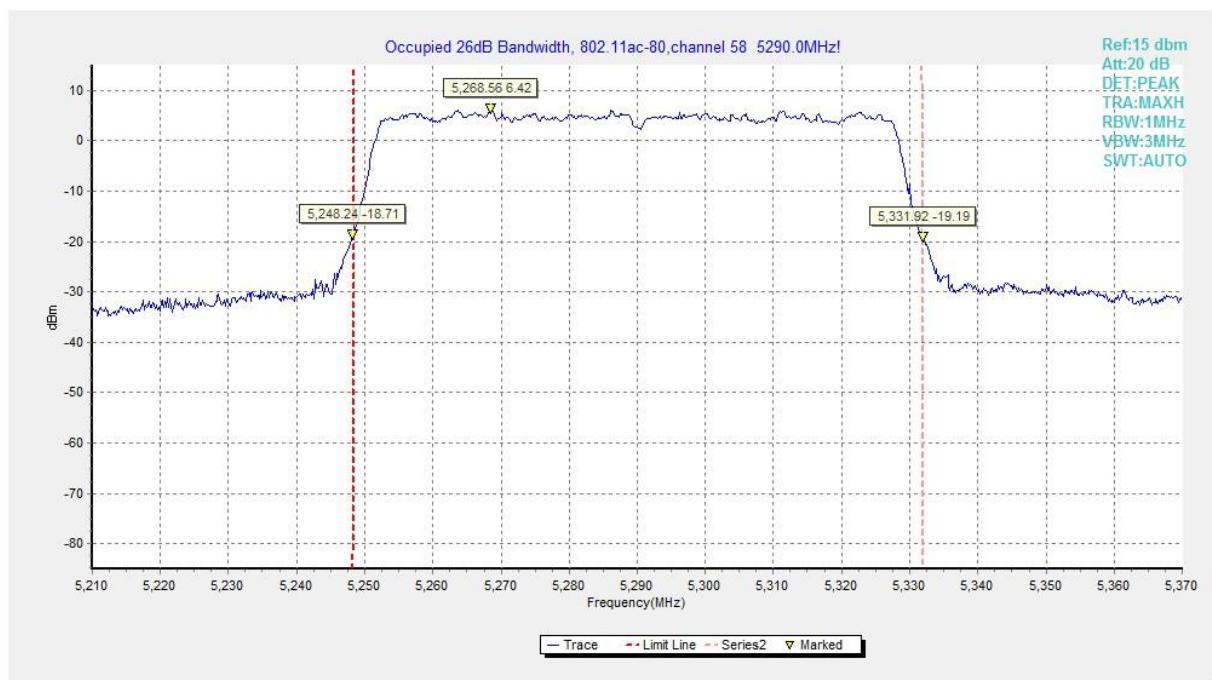


**Fig. 39 Occupied 26dB Bandwidth (802. 11ac-HT40, 5510MHz)**

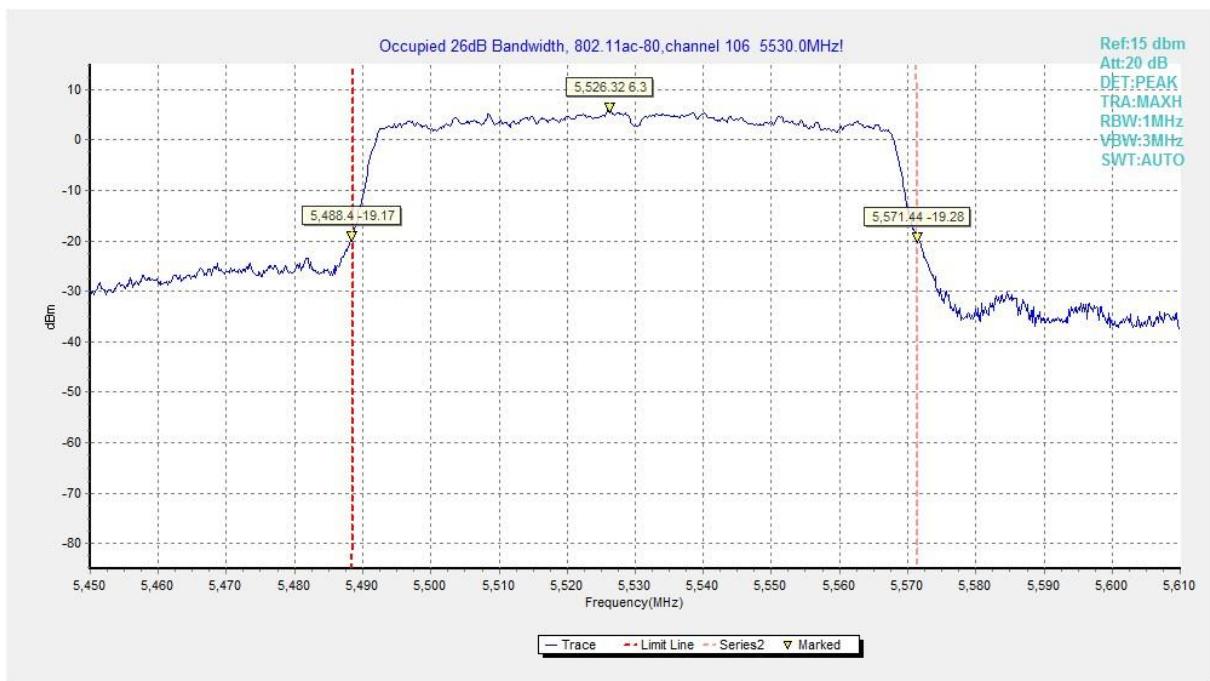

**Fig. 40 Occupied 26dB Bandwidth (802. 11ac-HT40, 5550MHz)**

**Fig. 41 Occupied 26dB Bandwidth (802. 11ac-HT40, 5670MHz)**



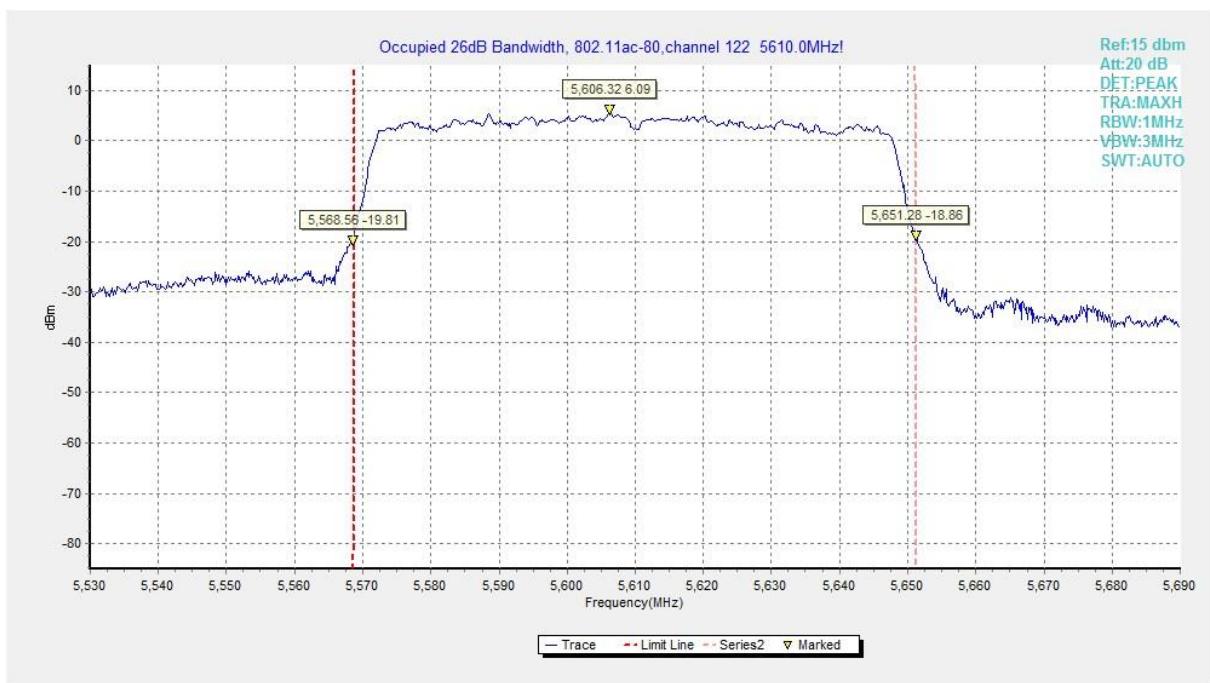
**Fig. 42 Occupied 26dB Bandwidth (802. 11ac-HT80, 5210MHz)**



**Fig. 43 Occupied 26dB Bandwidth (802. 11ac-HT80, 5290MHz)**



**Fig. 44 Occupied 26dB Bandwidth (802. 11ac-HT80, 5530MHz)**



**Fig. 45 Occupied 26dB Bandwidth (802. 11ac-HT80, 5610MHz)**

## A.5. Band Edges Compliance

### A5.1 Band Edges – Radiated

#### Measurement Limit:

Standard	Limit (dB $\mu$ V/m)	
FCC 47 CFR Part 15.209	Peak	74
	Average	54

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:

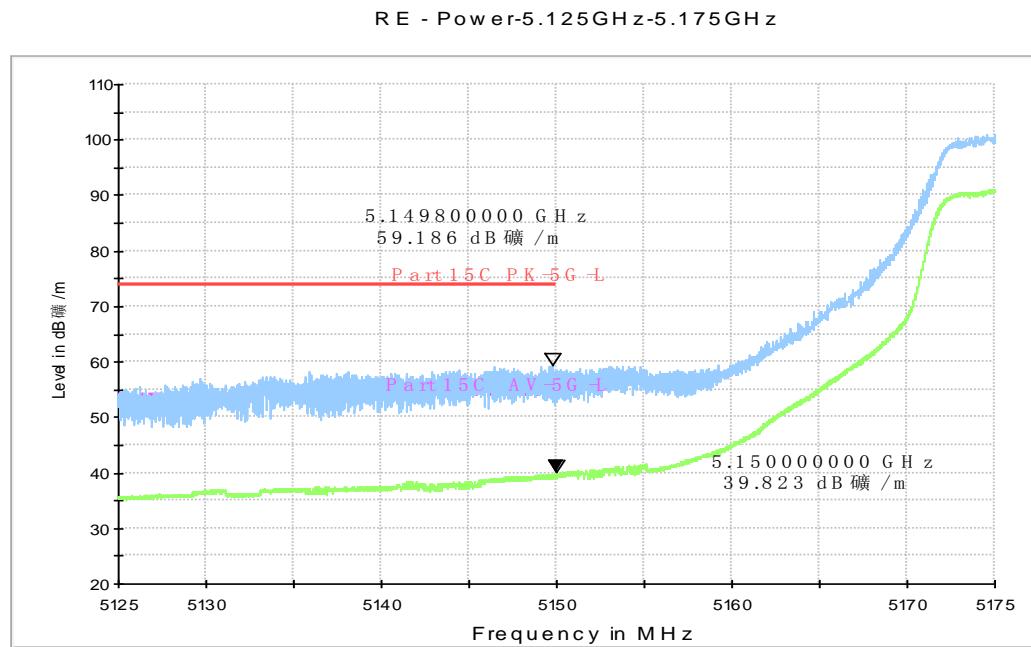
Measurement Uncertainty	0.75dB
-------------------------	--------

#### Measurement Result:

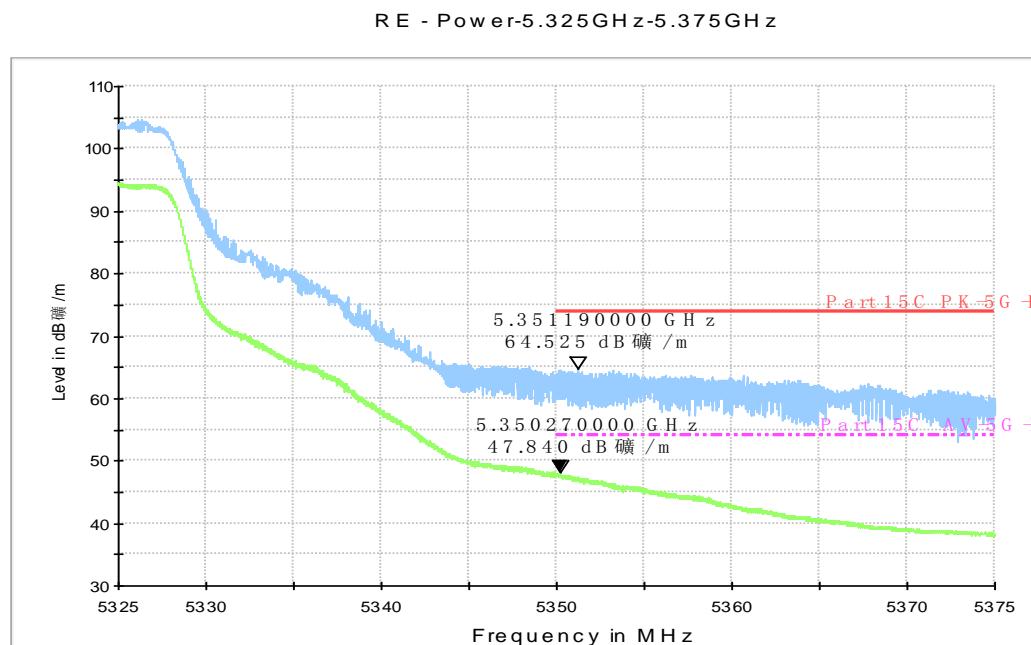
Mode	Channel	Test Results	Conclusion
802.11a	5180 MHz	Fig.46	P
	5320 MHz	Fig.47	P
	5500 MHz	Fig.48	P
	5700 MHz	Fig.49	P
802.11n HT20	5180 MHz	Fig.50	P
	5320 MHz	Fig.51	P
	5500 MHz	Fig.52	P
	5700 MHz	Fig.53	P
802.11n HT40	5190 MHz	Fig.54	P
	5310 MHz	Fig.55	P
	5510 MHz	Fig.56	P
	5670 MHz	Fig.57	P
802.11ac HT20	5180 MHz	Fig.58	P
	5320 MHz	Fig.59	P
	5500 MHz	Fig.60	P
	5700 MHz	Fig.61	P
802.11ac HT40	5190 MHz	Fig.62	P
	5310 MHz	Fig.63	P
	5510 MHz	Fig.64	P
	5670 MHz	Fig.65	P
802.11ac HT80	5210 MHz	Fig.66	P
	5290 MHz	Fig.67	P
	5530 MHz	Fig.68	P

**Conclusion: PASS**

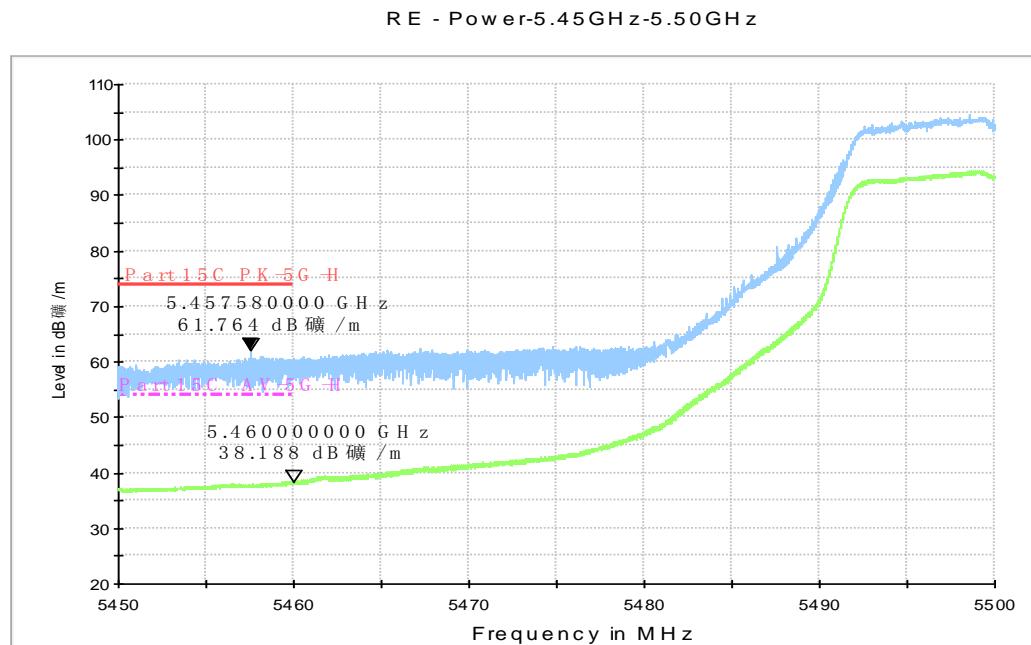
**Test graphs as below:**



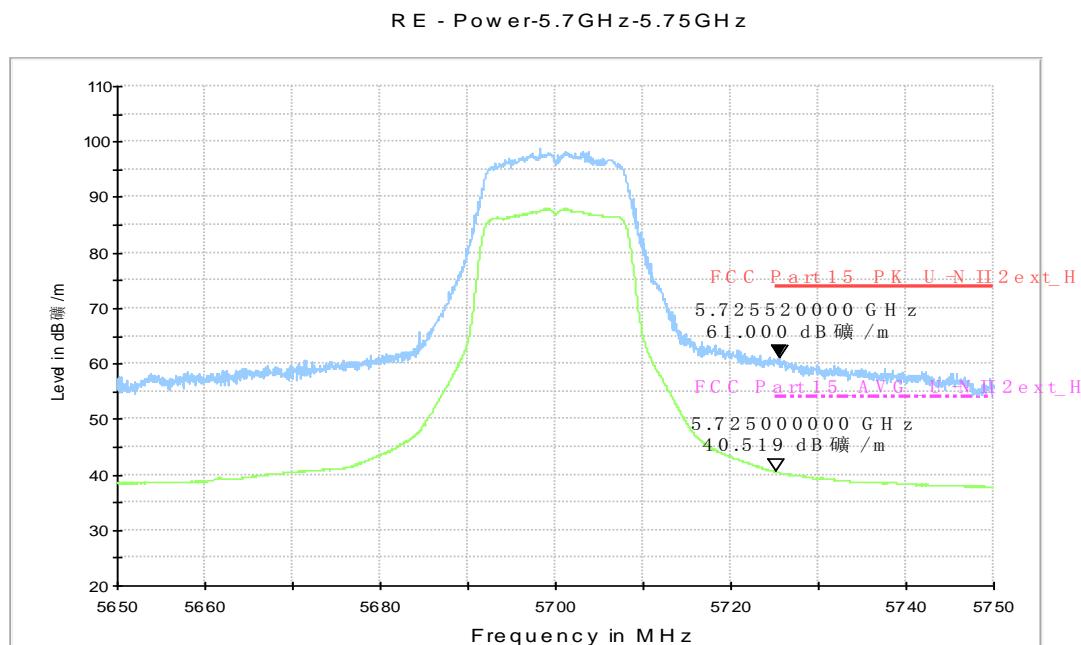
**Fig. 46 Band Edges (802.11a, 5180MHz)**



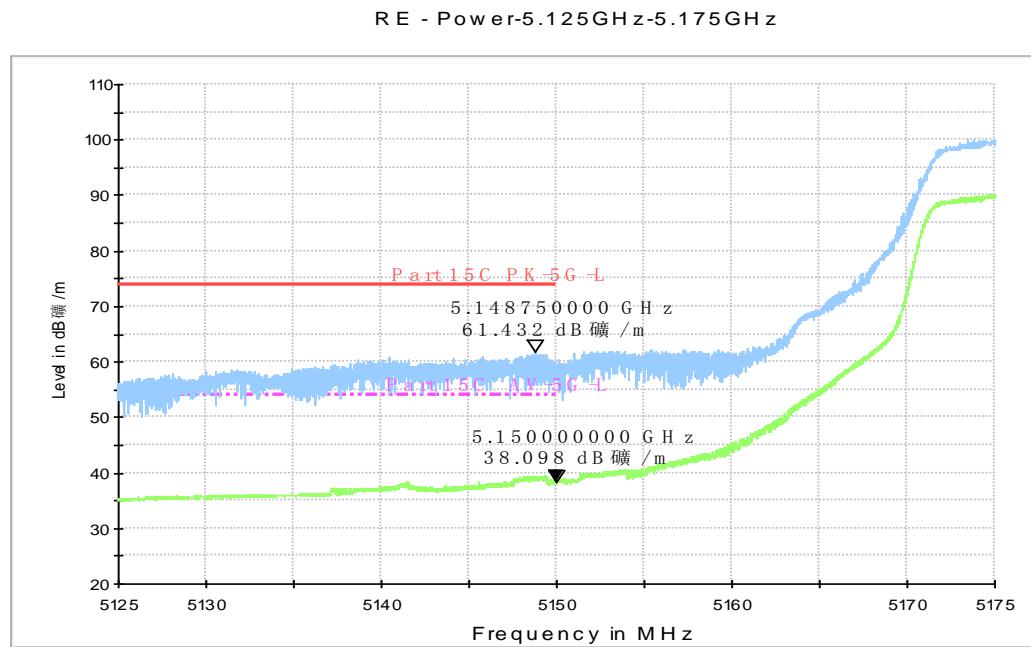
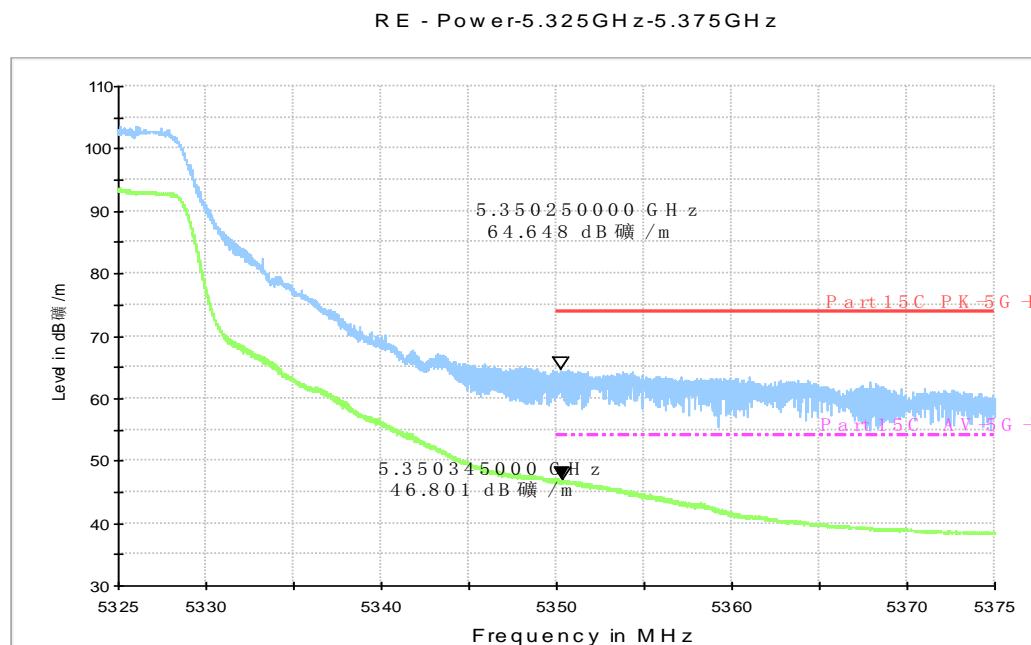
**Fig. 47 Band Edges (802.11a, 5320MHz)**

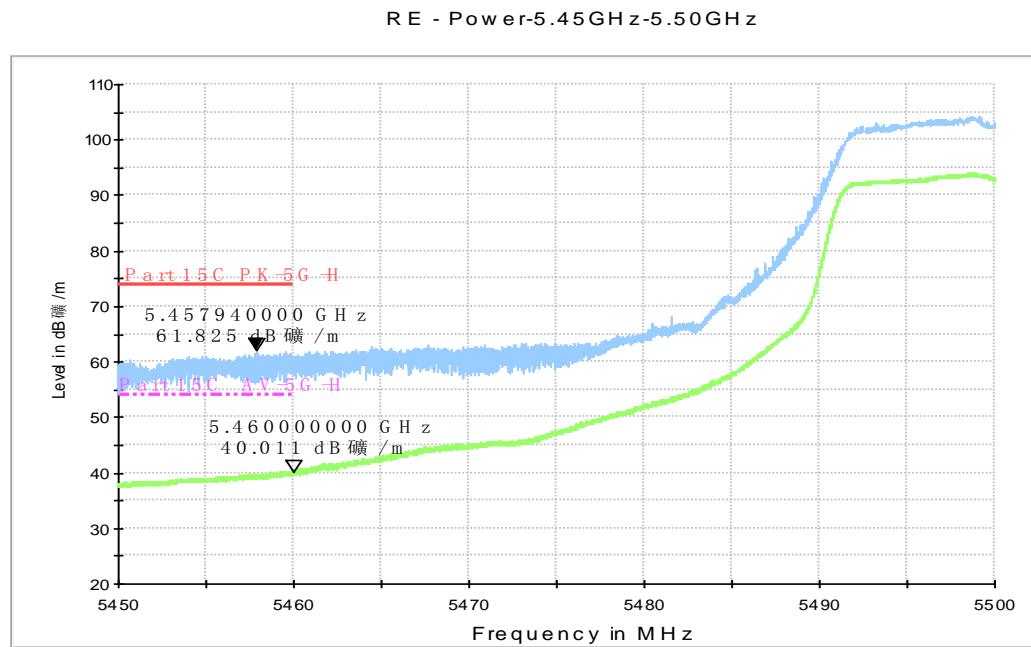
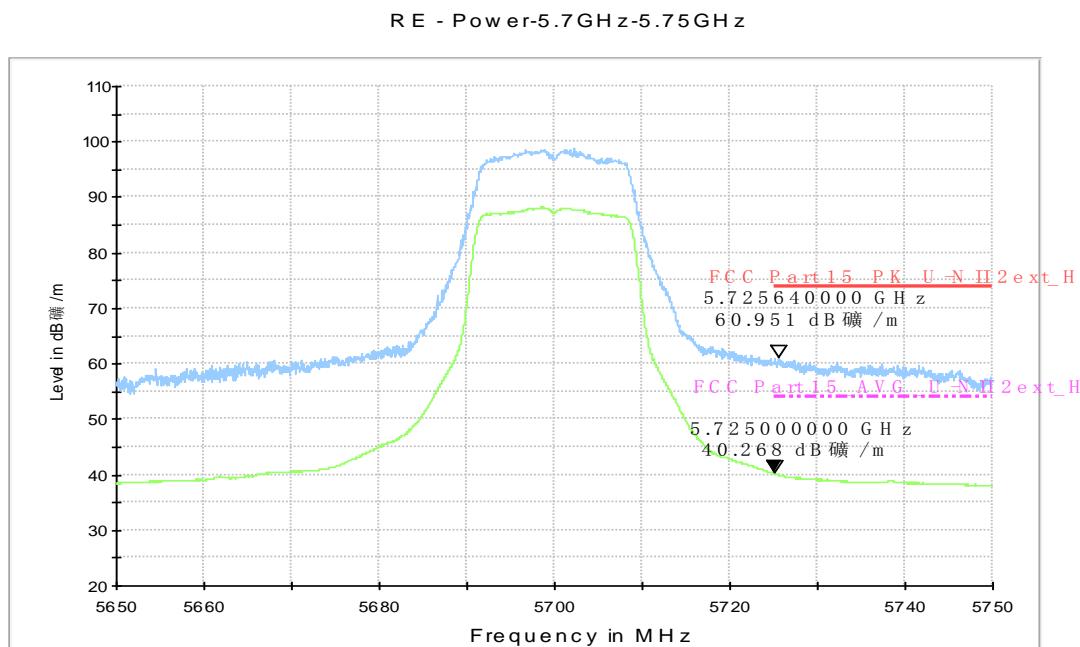


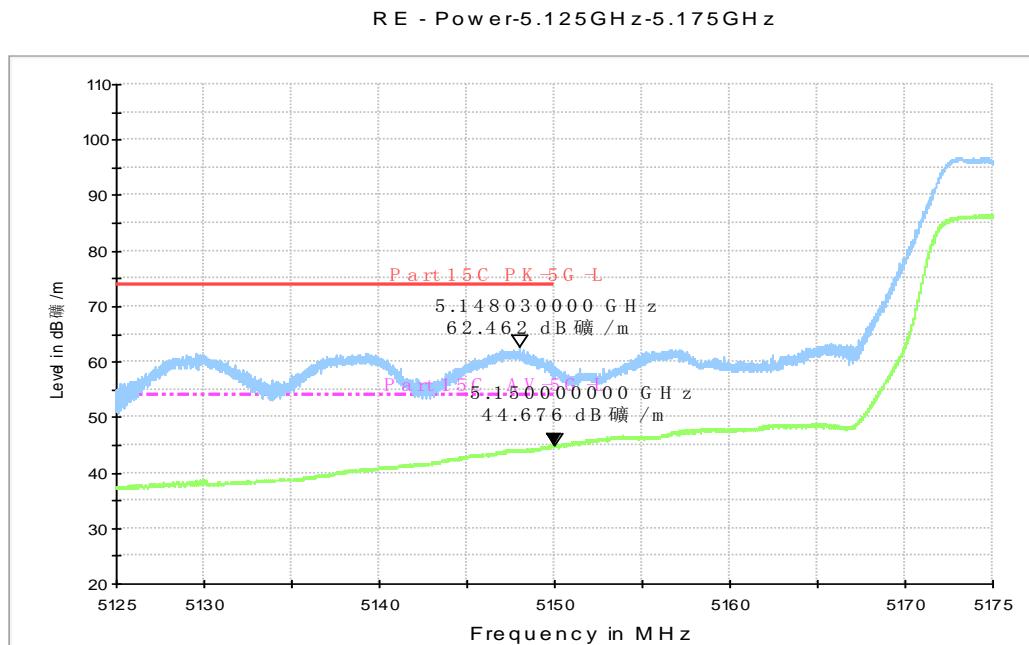
**Fig. 48 Band Edges (802.11a, 5500MHz)**



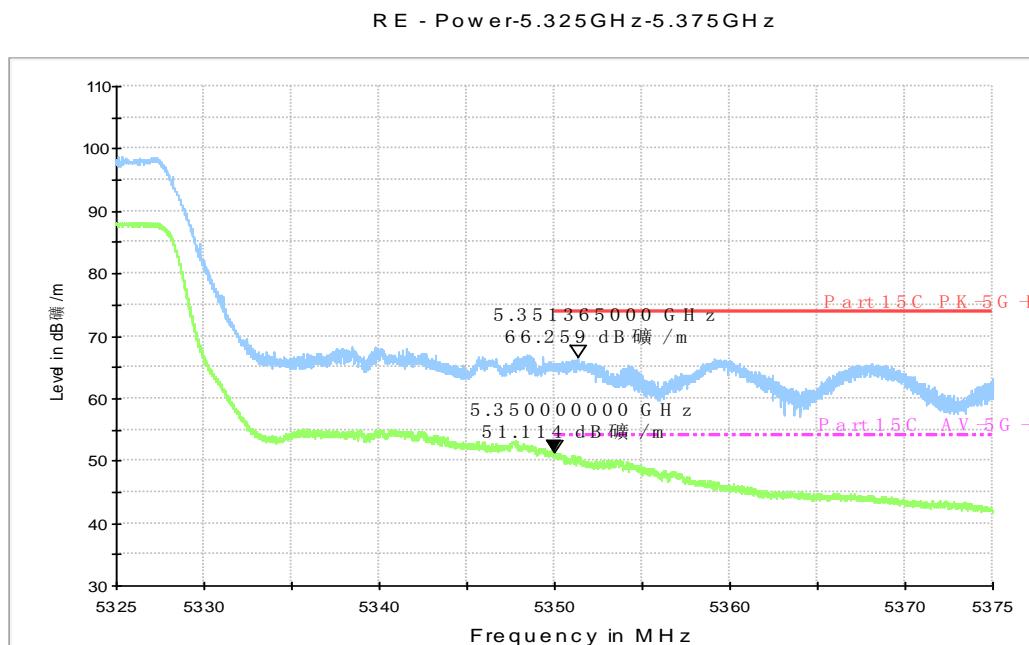
**Fig. 49 Band Edges (802.11a, 5700MHz)**


**Fig. 50 Band Edges (802.11n-HT20, 5180MHz)**

**Fig. 51 Band Edges (802.11n-HT20, 5320MHz)**

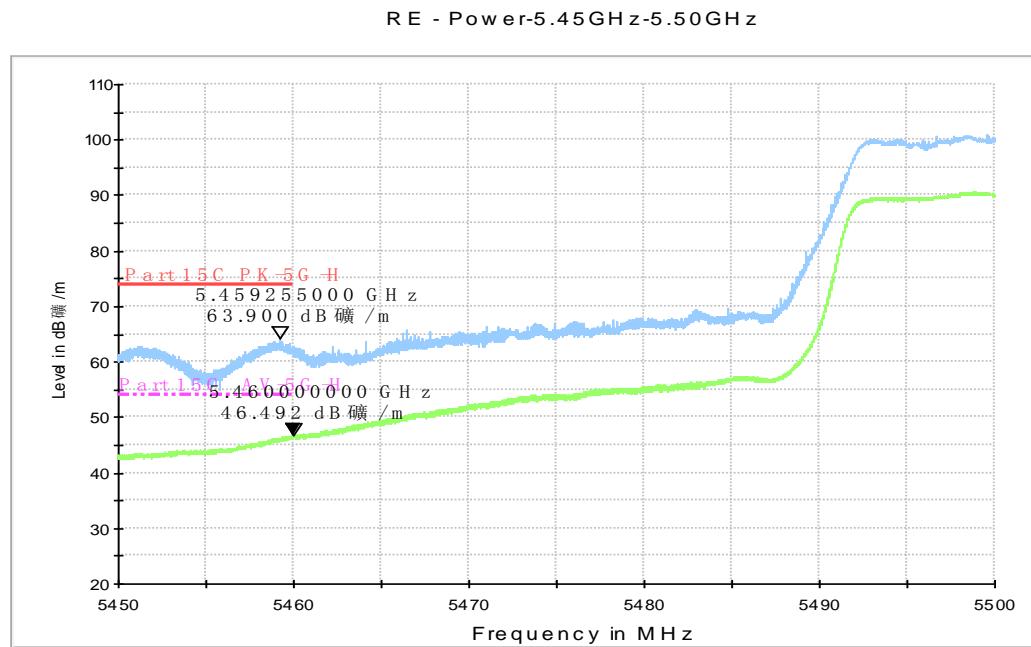

**Fig. 52 Band Edges (802.11n-HT20, 5500MHz)**

**Fig. 53 Band Edges (802.11n-HT20, 5700MHz)**



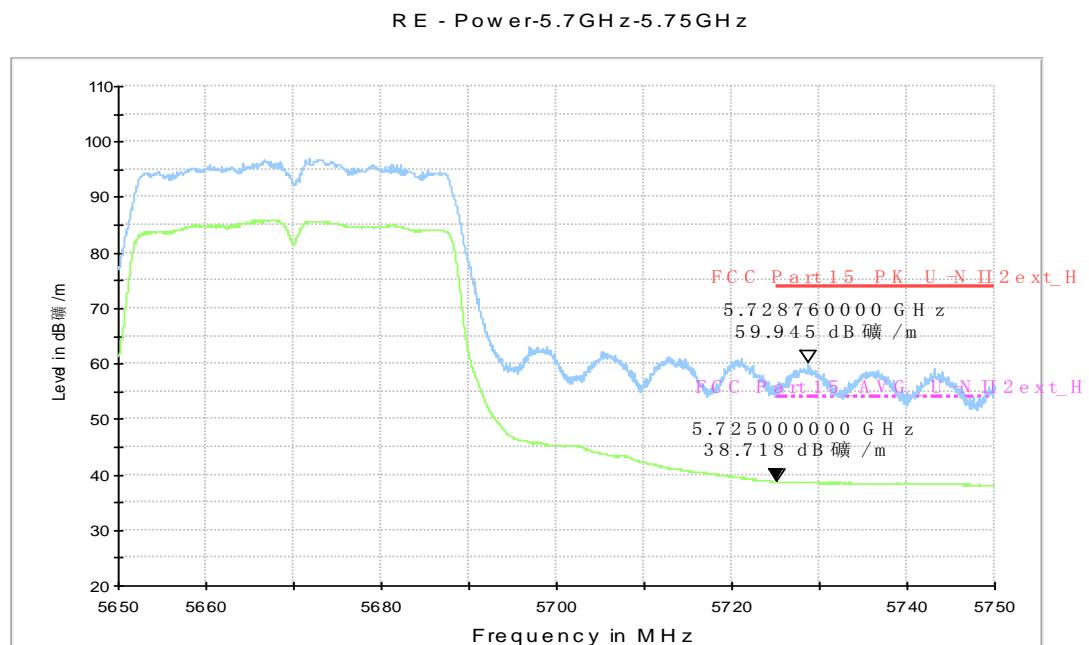
**Fig. 54 Band Edges (802.11n-HT40, 5190MHz)**



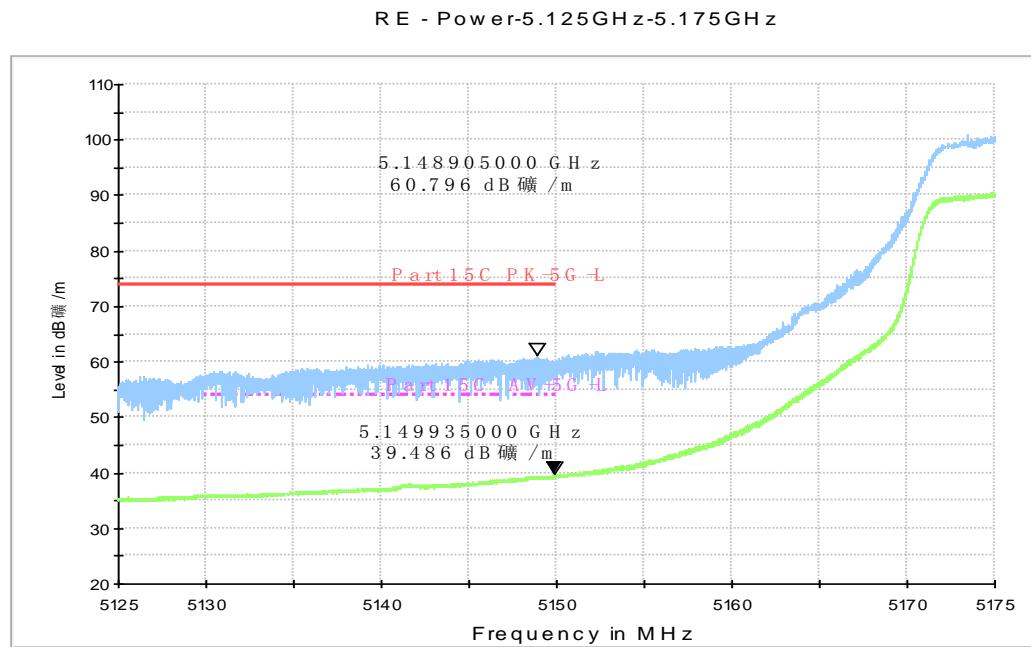
**Fig. 55 Band Edges (802.11n-HT40, 5310MHz)**



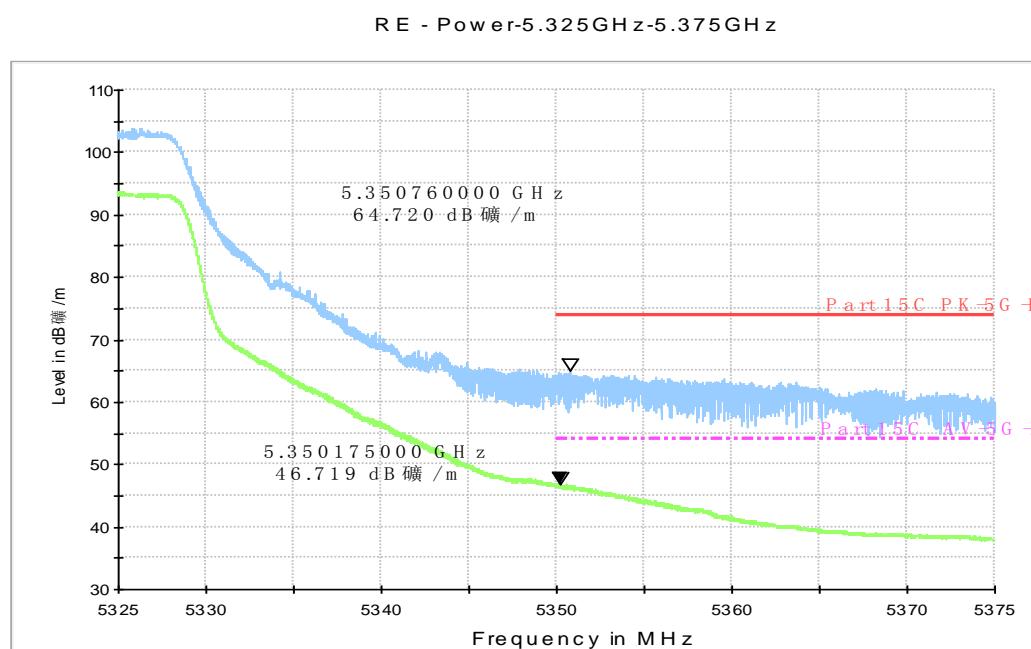
**Fig. 56 Band Edges (802.11n-HT40, 5510MHz)**



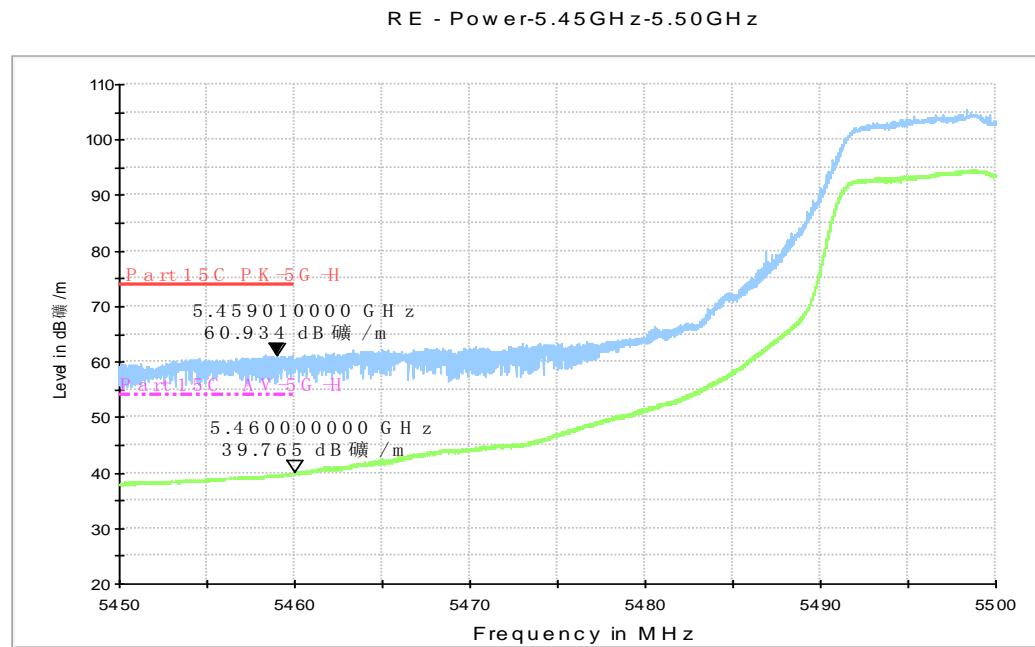
**Fig. 57 Band Edges (802.11n-HT40, 5670MHz)**



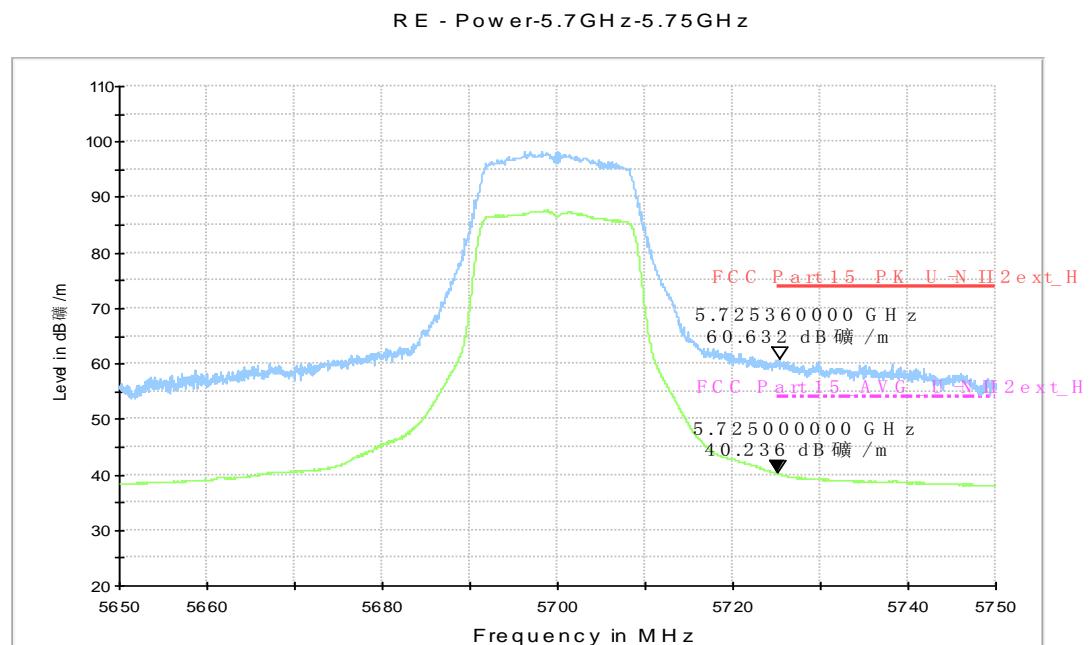
**Fig. 58 Band Edges (802.11ac-HT20, 5180MHz)**



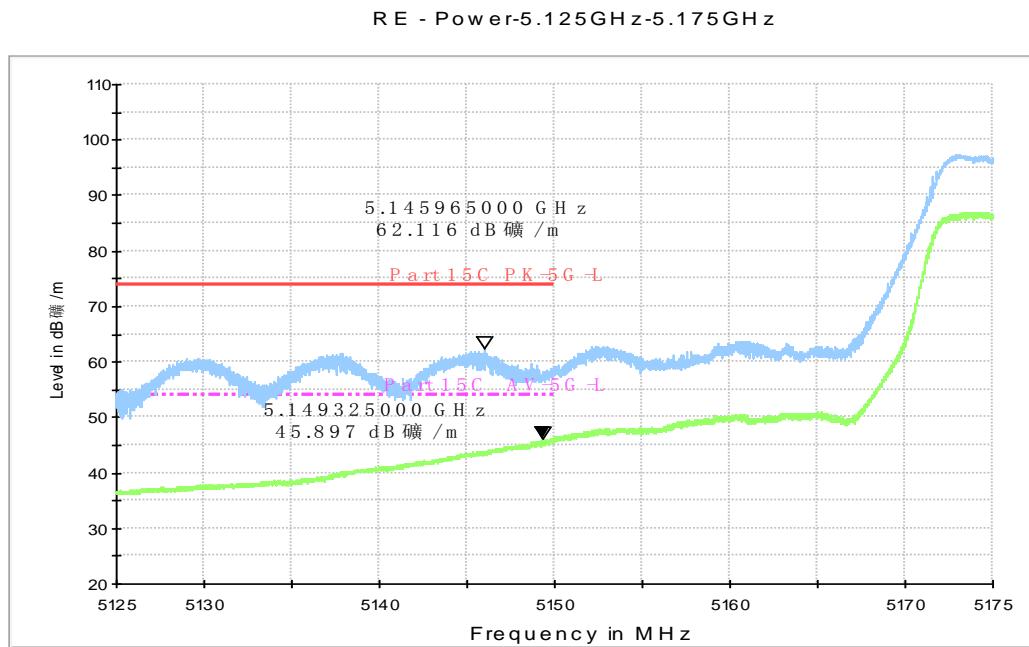
**Fig. 59 Band Edges (802.11ac-HT20, 5320MHz)**



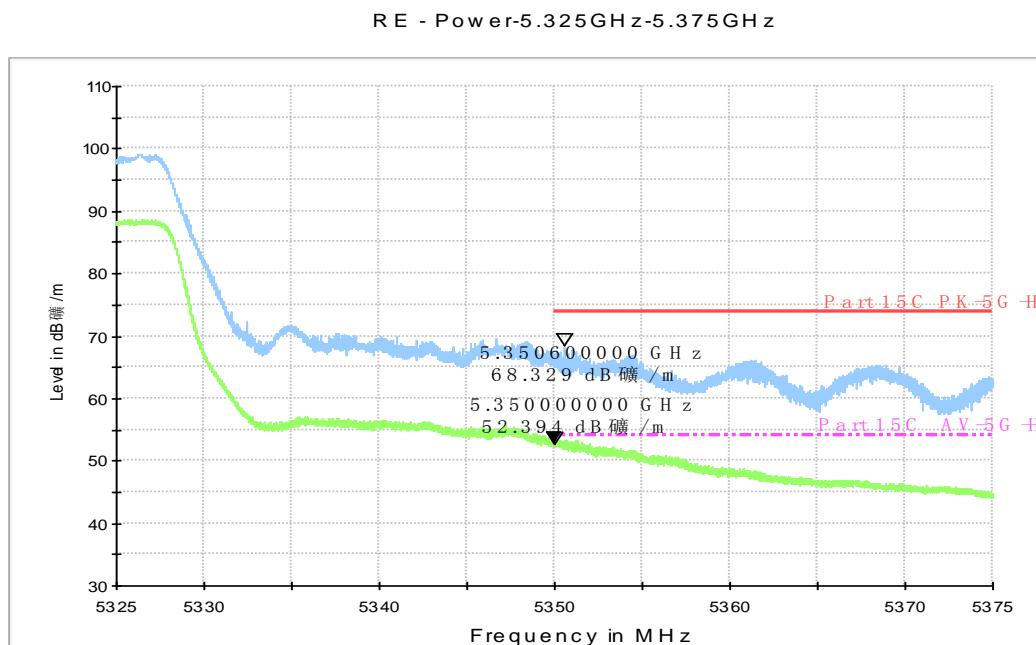
**Fig. 60 Band Edges (802.11ac-HT20, 5500MHz)**



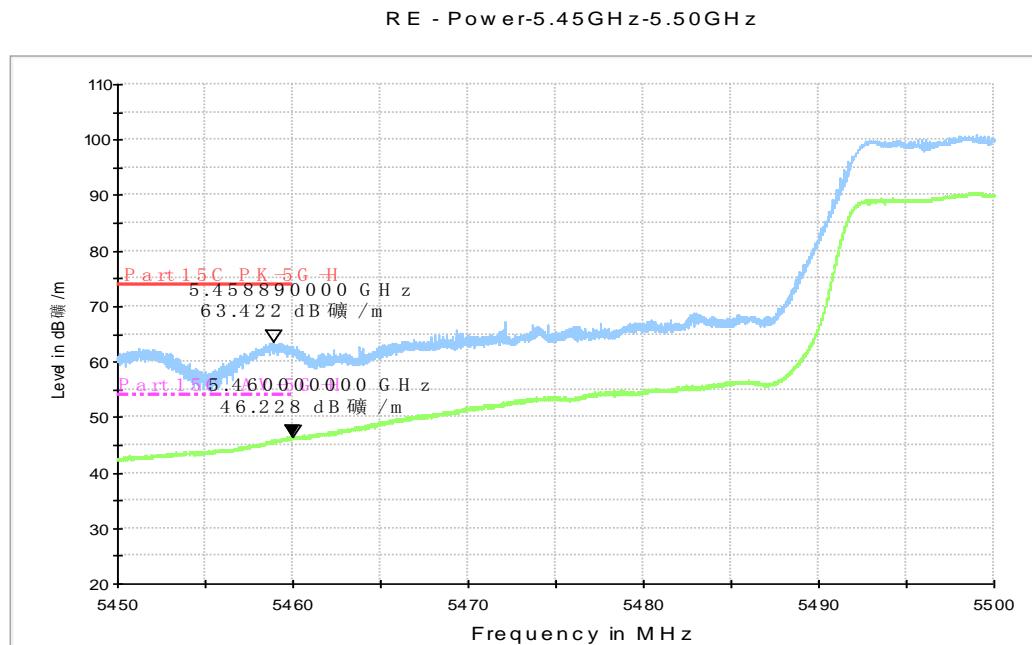
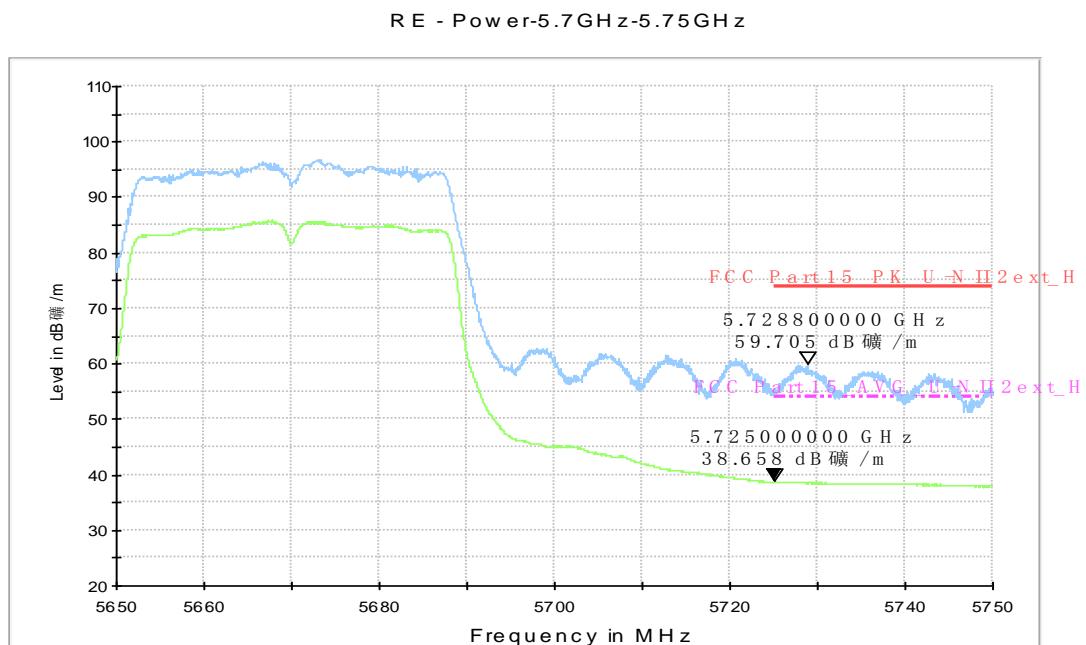
**Fig. 61 Band Edges (802.11ac-HT20, 5700MHz)**

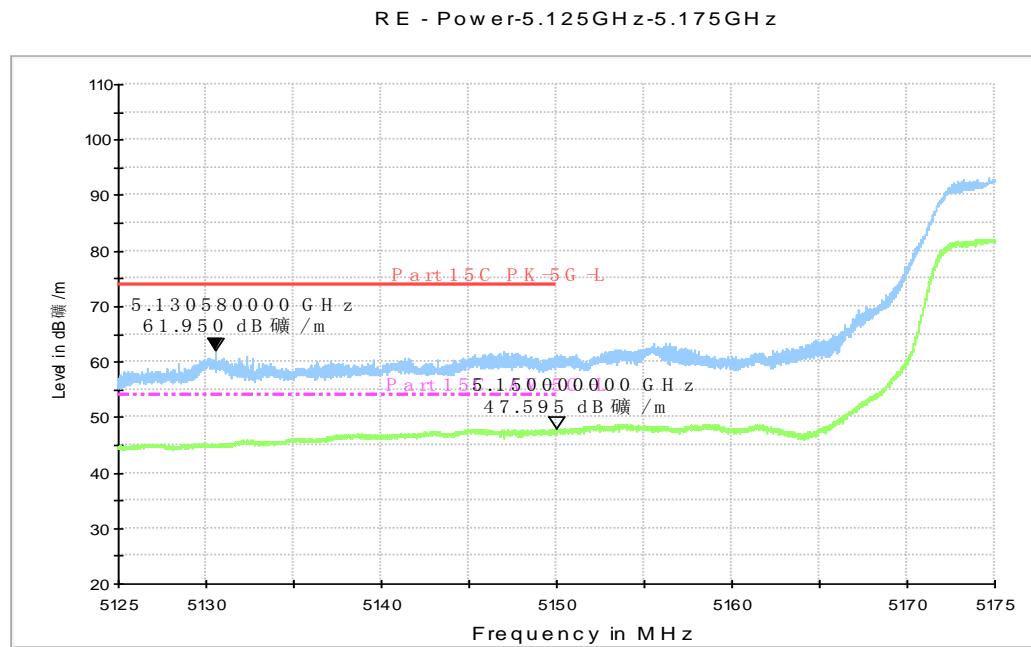


**Fig. 62 Band Edges (802.11ac-HT40, 5190MHz)**

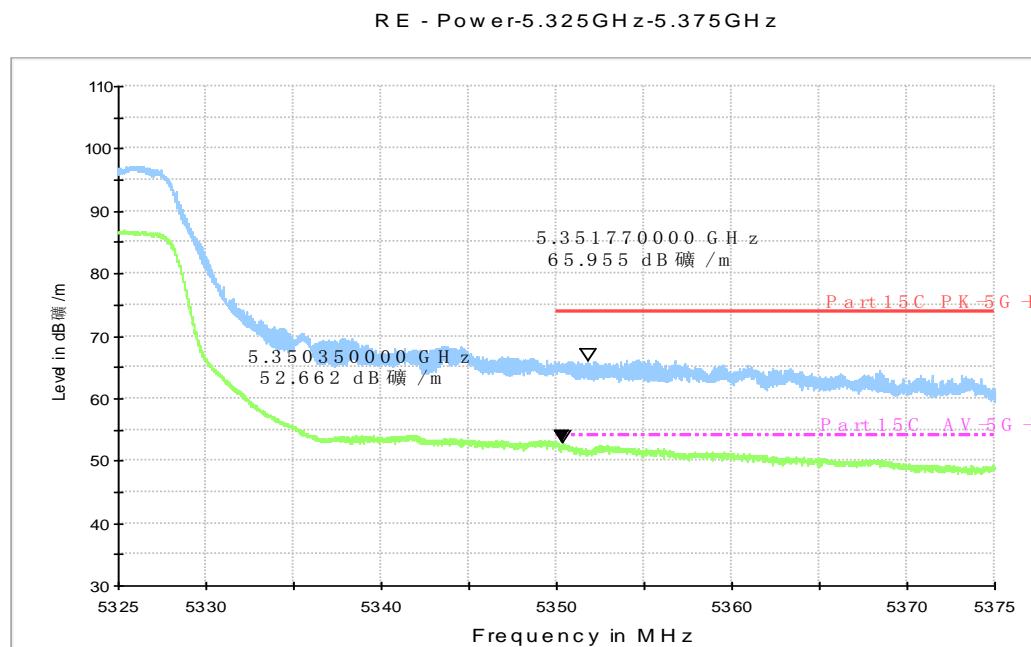


**Fig. 63 Band Edges (802.11ac-HT40, 5310MHz)**


**Fig. 64 Band Edges (802.11ac-HT40, 5510MHz)**

**Fig. 65 Band Edges (802.11ac-HT40, 5670MHz)**



**Fig. 66 Band Edges (802.11ac-HT80, 5210MHz)**



**Fig. 67 Band Edges (802.11ac-HT80, 5290MHz)**

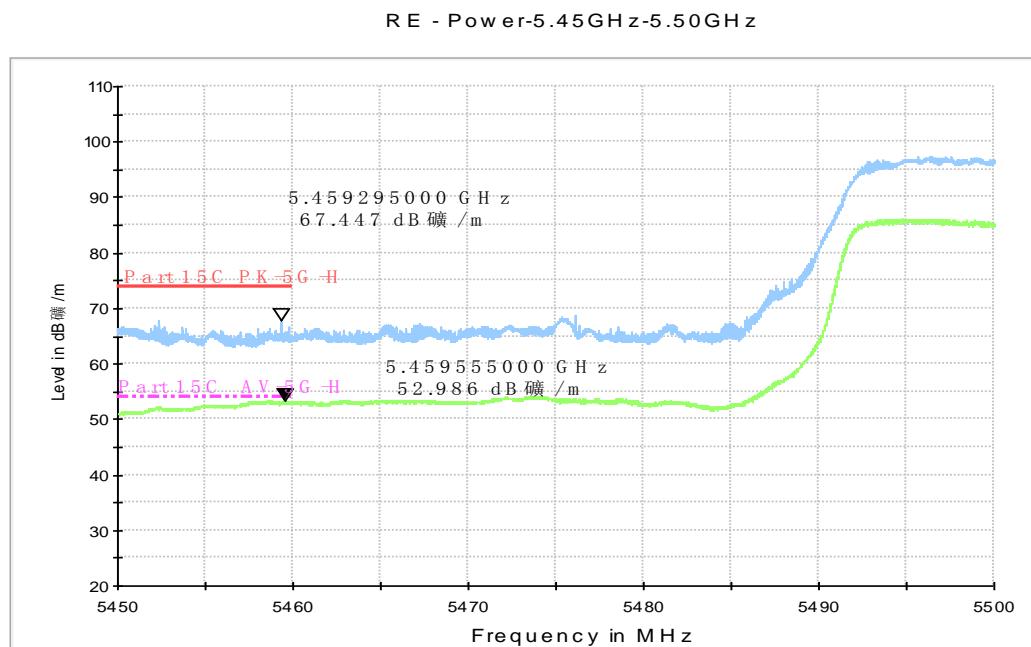


Fig. 68 Band Edges (802.11ac-HT80, 5530MHz)

## 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(dB $\mu$ V/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 =3.9 dB, k=2.

### Measurement Results:

**802.11a mode**

<b>Mode</b>	<b>Channel</b>	<b>Frequency Range</b>	<b>Test Results</b>	<b>Conclusion</b>
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**

<b>Mode</b>	<b>Channel</b>	<b>Frequency Range</b>	<b>Test Results</b>	<b>Conclusion</b>
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
	116(5580MHz)	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)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	102(5510MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	134(5670MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P

**802.11ac-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
	116(5580MHz)	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
802.11n 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)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	102(5510MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 GHz	---	P
	134(5670MHz)	1 GHz ~ 3 GHz	---	P
		3 GHz ~ 7 GHz	---	P
		7 GHz ~ 18 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:

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

**AVERAGE Results:**
**802.11a**

Channel 36

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5147.600	39.5	-32.2	34.2	37.55	54.0	14.5	H	155	170
5148.800	39.6	-32.2	34.2	37.64	54.0	14.4	H	155	150
10360.000	37.9	-30.9	37.6	31.22	54.0	16.1	H	155	20
15540.000	38.2	-25.7	40.3	23.55	54.0	15.8	H	155	180
17622.400	38.5	-25.2	41.5	22.22	54.0	15.5	H	155	202
17995.200	38.7	-25.0	41.4	22.22	54.0	15.3	H	155	8

Channel 40

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5148.260	39.6	-32.2	34.2	37.69	54.0	14.4	H	155	25
5149.730	39.5	-32.2	34.2	37.49	54.0	14.6	H	155	49
10396.800	38.0	-31.0	37.6	31.36	54.0	16.0	H	155	4
15600.000	37.5	-25.9	40.4	23.00	54.0	16.5	H	155	6
17624.000	38.6	-25.2	41.5	22.32	54.0	15.4	H	155	25
17996.800	38.7	-24.9	41.4	22.20	54.0	15.3	H	155	186

Channel 48

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5147.280	39.8	-32.2	34.2	37.85	54.0	14.2	H	155	4
5143.860	39.7	-32.3	34.1	37.77	54.0	14.3	H	155	2
10479.200	38.2	-30.9	37.7	31.38	54.0	15.8	H	155	25
15720.000	37.2	-25.8	40.6	22.41	54.0	16.8	H	155	350
17615.200	38.3	-25.2	41.5	22.08	54.0	15.7	H	155	92
17961.600	38.6	-25.1	41.4	22.30	54.0	15.4	H	155	85

## Channel 52

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5360.420	42.4	-31.6	34.4	39.61	54.0	11.6	H	155	20
5181.640	42.6	-31.9	34.2	40.31	54.0	11.4	H	155	18
10516.800	38.1	-30.8	37.7	31.22	54.0	15.9	H	155	90
15780.000	36.9	-25.6	40.6	21.78	54.0	17.1	H	155	114
17624.800	38.4	-25.2	41.5	22.17	54.0	15.6	H	155	36
17955.200	38.4	-25.2	41.4	22.20	54.0	15.6	H	155	2

## Channel 56

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5223.180	42.8	-31.9	34.2	40.42	54.0	11.3	H	155	8
5351.970	43.0	-31.6	34.4	40.30	54.0	11.0	H	155	46
10558.400	39.5	-30.5	37.7	32.33	54.0	14.5	H	155	20
15840.000	37.8	-25.6	40.7	22.64	54.0	16.2	H	155	118
17624.800	38.4	-25.2	41.5	22.18	54.0	15.6	H	155	82
17979.200	38.5	-25.0	41.4	22.17	54.0	15.5	H	155	46

## Channel 64

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5350.210	46.0	-31.6	34.4	43.24	54.0	8.0	H	155	8
5351.690	45.4	-31.6	34.4	42.67	54.0	8.6	H	155	52
10640.000	37.9	-30.2	37.8	30.36	54.0	16.1	H	155	18
15960.000	37.1	-26.1	40.9	22.32	54.0	16.9	H	155	6
17621.600	38.4	-25.2	41.5	22.17	54.0	15.6	H	155	48
17960.000	38.5	-25.1	41.4	22.28	54.0	15.5	H	155	128

## Channel 100

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5456.400	38.8	-31.4	34.5	35.68	54.0	15.2	H	155	6
5459.600	39.0	-31.4	34.5	35.93	54.0	15.0	H	155	48
11000.000	38.2	-31.0	37.9	31.31	54.0	15.8	H	155	92
16500.000	38.1	-25.8	41.5	22.37	54.0	15.9	H	155	48
17622.400	38.5	-25.2	41.5	22.28	54.0	15.5	H	155	68
17949.600	38.4	-25.2	41.4	22.23	54.0	15.6	H	155	92

## Channel 120

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5491.600	37.0	-31.6	34.5	34.14	54.0	17.0	H	155	268
5670.800	37.1	-32.0	34.7	34.36	54.0	16.9	H	155	138
11200.000	36.4	-30.4	38.0	28.83	54.0	17.6	H	155	104
16800.000	37.8	-25.9	41.7	22.06	54.0	16.2	H	155	40
17591.200	38.3	-25.3	41.5	22.21	54.0	15.7	H	155	28
17958.400	38.6	-25.2	41.4	22.30	54.0	15.4	H	155	8

## Channel 140

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5725.600	39.7	-32.8	34.8	37.68	54.0	14.3	H	155	16
5726.800	39.3	-32.8	34.8	37.29	54.0	14.7	H	155	48
11400.000	37.5	-30.7	38.1	30.05	54.0	16.5	H	155	80
15842.400	37.8	-25.6	40.7	22.71	54.0	16.2	H	155	8
17621.600	38.5	-25.2	41.5	22.23	54.0	15.5	H	155	102
17960.000	38.6	-25.1	41.4	22.29	54.0	15.4	H	155	118

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## Channel 36

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5147.600	39.5	-32.2	34.2	37.58	54.0	14.5	H	155	20
5148.800	39.6	-32.2	34.2	37.64	54.0	14.4	H	155	45
10359.200	36.8	-30.9	37.6	30.14	54.0	17.2	H	155	240
15540.000	37.8	-25.7	40.3	23.23	54.0	16.2	H	155	180
17628.800	38.4	-25.2	41.5	22.14	54.0	15.6	H	155	85
17956.800	38.6	-25.2	41.4	22.31	54.0	15.4	H	155	25

## Channel 40

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5146.980	39.4	-32.2	34.2	37.43	54.0	14.6	H	155	175
5147.810	39.7	-32.2	34.2	37.71	54.0	14.4	H	155	5
10400.000	37.0	-31.0	37.6	30.34	54.0	17.0	H	155	26
15600.000	37.3	-25.9	40.4	22.77	54.0	16.7	H	155	355
17624.800	38.4	-25.2	41.5	22.15	54.0	15.6	H	155	6
17962.400	38.4	-25.1	41.4	22.15	54.0	15.6	H	155	12

## Channel 48

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5146.730	39.6	-32.2	34.2	37.71	54.0	14.4	H	155	20
5149.600	39.8	-32.2	34.2	37.88	54.0	14.2	H	155	248
10479.200	37.1	-30.9	37.7	30.30	54.0	16.9	H	155	49
15720.000	37.1	-25.8	40.6	22.35	54.0	16.9	H	155	335
17621.600	38.3	-25.2	41.5	22.07	54.0	15.7	H	155	180
17960.000	38.5	-25.1	41.4	22.20	54.0	15.5	H	155	8

## Channel 52

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5180.680	41.9	-31.9	34.2	39.59	54.0	12.1	H	155	20
5353.640	44.6	-31.6	34.4	41.87	54.0	9.4	H	155	248
10519.200	37.3	-30.8	37.7	30.39	54.0	16.7	H	155	49
15780.000	36.8	-25.6	40.6	21.75	54.0	17.2	H	155	82
17624.000	38.4	-25.2	41.5	22.17	54.0	15.6	H	155	168
17961.600	38.6	-25.1	41.4	22.30	54.0	15.4	H	155	8

## Channel 56

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5209.680	41.2	-31.9	34.2	38.86	54.0	12.8	H	155	4
5360.850	42.4	-31.5	34.4	39.56	54.0	11.6	H	155	26
10559.200	38.4	-30.5	37.7	31.19	54.0	15.6	H	155	356
15840.000	37.8	-25.6	40.7	22.72	54.0	16.2	H	155	348
17628.000	38.4	-25.2	41.5	22.15	54.0	15.6	H	155	174
17979.200	38.6	-25.0	41.4	22.19	54.0	15.4	H	155	112

## Channel 64

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5350.200	46.1	-31.6	34.4	43.35	54.0	7.9	H	155	8
5352.430	45.3	-31.6	34.4	42.56	54.0	8.7	H	155	28
10639.200	37.2	-30.2	37.8	29.70	54.0	16.8	H	155	6
15960.000	37.0	-26.1	40.9	22.16	54.0	17.1	H	155	278
17620.800	38.4	-25.2	41.5	22.18	54.0	15.6	H	155	122
17955.200	38.5	-25.2	41.4	22.22	54.0	15.5	H	155	245

## Channel 100

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5459.200	40.1	-31.4	34.5	36.98	54.0	13.9	H	155	28
5459.600	40.2	-31.4	34.5	37.08	54.0	13.8	H	155	46
11000.000	37.4	-31.0	37.9	30.47	54.0	16.6	H	155	8
16500.000	38.0	-25.8	41.5	22.26	54.0	16.0	H	155	6
17620.000	38.4	-25.2	41.5	22.18	54.0	15.6	H	155	24
17955.200	38.4	-25.2	41.4	22.19	54.0	15.6	H	155	185

## Channel 120

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5505.200	37.2	-31.7	34.5	34.43	54.0	16.8	H	155	92
5674.400	37.0	-32.0	34.8	34.32	54.0	17.0	H	155	26
11199.200	36.0	-30.4	38.0	28.42	54.0	18.0	H	155	222
16800.000	37.7	-25.9	41.7	21.94	54.0	16.3	H	155	248
17621.600	38.4	-25.2	41.5	22.18	54.0	15.6	H	155	46
17973.600	38.6	-25.1	41.4	22.22	54.0	15.4	H	155	68

## Channel 140

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5726.000	38.9	-32.8	34.8	36.86	54.0	15.1	H	155	8
5728.400	38.5	-32.8	34.8	36.51	54.0	15.5	H	155	28
11399.200	36.7	-30.7	38.1	29.28	54.0	17.3	H	155	119
17100.000	37.8	-26.2	41.7	22.23	54.0	16.2	H	155	146
17616.000	38.4	-25.2	41.5	22.20	54.0	15.6	H	155	76
17960.000	38.6	-25.1	41.4	22.32	54.0	15.4	H	155	94

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## Channel 38

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5148.000	42.9	-32.2	34.2	40.94	54.0	11.1	H	155	6
5149.200	43.2	-32.2	34.2	41.23	54.0	10.8	H	155	48
10379.200	35.2	-30.9	37.6	28.52	54.0	18.8	H	155	92
15570.400	37.7	-25.8	40.4	23.14	54.0	16.3	H	155	48
17625.600	38.4	-25.2	41.5	22.15	54.0	15.6	H	155	68
17955.200	38.5	-25.2	41.4	22.28	54.0	15.5	H	155	92

## Channel 46

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5146.280	43.2	-32.2	34.2	41.29	54.0	10.8	H	155	92
5145.860	43.7	-32.2	34.2	41.73	54.0	10.4	H	155	26
10459.200	36.1	-30.9	37.7	29.39	54.0	17.9	H	155	222
15690.400	36.9	-25.9	40.5	22.33	54.0	17.1	H	155	248
17628.000	38.5	-25.2	41.5	22.19	54.0	15.5	H	155	46
17959.200	38.4	-25.1	41.4	22.18	54.0	15.6	H	155	68

## Channel 54

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5224.560	49.9	-31.9	34.2	47.56	54.0	17.3	H	155	28
5352.490	49.6	-31.6	34.4	46.85	54.0	16.4	H	155	74
10540.000	36.7	-30.6	37.7	29.59	54.0	15.5	H	155	140
15810.400	37.6	-25.5	40.7	22.42	54.0	15.4	H	155	8
17628.000	38.5	-25.2	41.5	22.25	54.0	54.0	H	155	80
17956.000	38.6	-25.2	41.4	22.34	54.0	54.0	H	155	243

## Channel 62

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5350.800	50.0	-31.6	34.4	47.29	54.0	4.0	H	155	170
5353.200	49.1	-31.6	34.4	46.30	54.0	4.9	H	155	150
10620.000	35.9	-30.1	37.7	28.27	54.0	18.1	H	155	20
15930.400	36.9	-25.9	40.8	22.04	54.0	17.1	H	155	180
17619.200	38.5	-25.2	41.5	22.23	54.0	15.5	H	155	202
17954.400	38.5	-25.2	41.4	22.23	54.0	15.5	H	155	8

## Channel 102

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5458.800	45.1	-31.4	34.5	41.99	54.0	8.9	H	155	142
5460.000	45.5	-31.4	34.5	42.47	54.0	8.5	H	155	168
11031.200	40.6	-31.0	37.9	33.70	54.0	13.4	H	155	90
16530.400	38.1	-25.8	41.5	22.34	54.0	15.9	H	155	102
17592.800	38.3	-25.3	41.5	22.12	54.0	15.7	H	155	118
17976.800	38.6	-25.0	41.4	22.20	54.0	15.4	H	155	94

## Channel 118

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5474.800	37.5	-31.5	34.5	34.49	54.0	16.5	H	155	98
5686.400	37.3	-32.2	34.8	34.71	54.0	16.7	H	155	135
11188.800	41.7	-30.4	38.0	34.13	54.0	12.3	H	155	4
16770.400	37.9	-26.0	41.7	22.18	54.0	16.1	H	155	74
16971.200	38.2	-25.8	41.8	22.29	54.0	15.8	H	155	48
17623.200	38.5	-25.2	41.5	22.20	54.0	15.5	H	155	246

## Channel 134

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5459.200	45.2	-31.4	34.5	42.14	54.0	8.8	H	155	20
5459.600	45.5	-31.4	34.5	42.45	54.0	8.5	H	155	18
11020.000	41.8	-31.0	37.9	34.87	54.0	12.2	H	155	90
16530.400	38.0	-25.8	41.5	22.25	54.0	16.0	H	155	114
17617.600	38.4	-25.2	41.5	22.18	54.0	15.6	H	155	36
17960.800	38.5	-25.1	41.4	22.28	54.0	15.5	H	155	2

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## Channel 36

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5148.800	39.6	-32.2	34.2	37.69	54.0	14.4	H	155	135
5150.000	39.7	-32.2	34.2	37.70	54.0	14.3	H	155	160
10360.000	36.7	-30.9	37.6	30.04	54.0	17.3	H	155	92
15540.000	37.7	-25.7	40.3	23.10	54.0	16.3	H	155	115
17628.000	38.3	-25.2	41.5	22.03	54.0	15.7	H	155	112
17956.000	38.4	-25.2	41.4	22.19	54.0	15.6	H	155	85

## Channel 40

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5148.760	39.6	-32.2	34.2	37.63	54.0	14.4	H	155	5
5149.980	39.6	-32.2	34.2	37.66	54.0	14.4	H	155	25
10400.000	36.9	-31.0	37.6	30.22	54.0	17.1	H	155	356
15600.000	37.2	-25.9	40.4	22.71	54.0	16.8	H	155	350
17633.600	38.3	-25.2	41.5	22.04	54.0	15.7	H	155	185
17977.600	38.6	-25.0	41.4	22.21	54.0	15.4	H	155	187

## Channel 48

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5145.760	39.7	-32.2	34.2	37.74	54.0	14.3	H	155	86
5150.000	39.6	-32.2	34.2	37.66	54.0	14.4	H	155	107
10479.200	37.1	-30.9	37.7	30.31	54.0	16.9	H	155	130
15720.000	37.1	-25.8	40.6	22.33	54.0	16.9	H	155	152
17624.000	38.5	-25.2	41.5	22.21	54.0	15.5	H	155	174
17958.400	38.4	-25.2	41.4	22.19	54.0	15.6	H	155	195

## Channel 52

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5194.650	41.0	-31.8	34.2	38.68	54.0	13.0	H	155	86
5351.030	44.2	-31.6	34.4	41.50	54.0	9.8	H	155	107
10520.000	37.2	-30.8	37.7	30.23	54.0	16.8	H	155	130
15780.000	36.8	-25.6	40.6	21.71	54.0	17.2	H	155	152
17622.400	38.5	-25.2	41.5	22.20	54.0	15.5	H	155	174
17960.000	38.4	-25.1	41.4	22.18	54.0	15.6	H	155	195

## Channel 56

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5122.560	41.4	-32.5	34.1	39.69	54.0	12.6	H	155	175
5350.640	44.2	-31.6	34.4	41.51	54.0	9.8	H	155	194
10559.200	38.3	-30.5	37.7	31.09	54.0	15.7	H	155	215
15840.000	37.8	-25.6	40.7	22.65	54.0	16.2	H	155	196
17620.800	38.4	-25.2	41.5	22.19	54.0	15.6	H	155	241
17955.200	38.4	-25.2	41.4	22.19	54.0	15.6	H	155	259

## Channel 64

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5350.030	45.7	-31.6	34.4	42.97	54.0	8.3	H	155	40
5351.950	44.1	-31.6	34.4	41.34	54.0	9.9	H	155	65
10638.400	37.1	-30.2	37.8	29.59	54.0	16.9	H	155	84
15960.000	37.0	-26.1	40.9	22.25	54.0	17.0	H	155	107
17623.200	38.5	-25.2	41.5	22.28	54.0	15.5	H	155	135
17955.200	38.6	-25.2	41.4	22.33	54.0	15.4	H	155	151

## Channel 100

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5458.800	40.2	-31.4	34.5	37.09	54.0	13.8	H	155	48
5459.600	40.4	-31.4	34.5	37.29	54.0	13.6	H	155	6
10998.400	37.2	-31.0	37.9	30.30	54.0	16.8	H	155	312
16500.000	37.8	-25.8	41.5	22.14	54.0	16.2	H	155	48
17632.000	38.4	-25.2	41.5	22.13	54.0	15.6	H	155	68
17960.000	38.6	-25.1	41.4	22.34	54.0	15.4	H	155	80

## Channel 120

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5506.800	37.3	-31.7	34.5	34.54	54.0	16.7	H	155	268
5666.400	37.1	-32.0	34.7	34.36	54.0	16.9	H	155	138
11199.200	36.0	-30.4	38.0	28.43	54.0	18.0	H	155	104
16800.000	37.8	-25.9	41.7	22.04	54.0	16.2	H	155	40
17623.200	38.5	-25.2	41.5	22.23	54.0	15.5	H	155	28
17956.000	38.6	-25.2	41.4	22.32	54.0	15.4	H	155	8

## Channel 140

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5725.200	38.9	-32.8	34.8	36.84	54.0	15.1	H	155	354
5726.800	38.4	-32.8	34.8	36.39	54.0	15.6	H	155	28
11399.200	37.0	-30.7	38.1	29.51	54.0	17.0	H	155	348
17100.000	37.9	-26.2	41.7	22.31	54.0	16.1	H	155	345
17628.000	38.5	-25.2	41.5	22.24	54.0	15.5	H	155	184
17977.600	38.7	-25.0	41.4	22.36	54.0	15.3	H	155	182

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## Channel 38

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5148.270	44.6	-32.2	34.2	42.62	54.0	9.4	H	155	8
5148.920	44.8	-32.2	34.2	42.82	54.0	9.2	H	155	28
10379.200	35.4	-30.9	37.6	28.74	54.0	18.6	H	155	119
15570.400	37.8	-25.8	40.4	23.23	54.0	16.2	H	155	146
17625.600	38.6	-25.2	41.5	22.28	54.0	15.4	H	155	76
17956.000	38.6	-25.2	41.4	22.32	54.0	15.4	H	155	94

## Channel 46

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5149.230	44.5	-32.2	34.2	42.52	54.0	9.5	H	155	48
5150.000	44.9	-32.2	34.2	42.91	54.0	9.1	H	155	6
10459.200	36.3	-30.9	37.7	29.59	54.0	17.7	H	155	312
15690.400	36.9	-25.9	40.5	22.28	54.0	17.1	H	155	48
17621.600	38.3	-25.2	41.5	22.06	54.0	15.7	H	155	68
17976.800	38.6	-25.0	41.4	22.19	54.0	15.4	H	155	80

## Channel 54

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5234.680	49.3	-31.9	34.2	46.99	54.0	4.7	H	155	25
5354.250	49.1	-31.6	34.4	46.34	54.0	4.9	H	155	49
10539.200	36.7	-30.7	37.7	29.68	54.0	17.3	H	155	4
15810.400	37.6	-25.5	40.7	22.41	54.0	16.4	H	155	6
17632.800	38.4	-25.2	41.5	22.14	54.0	15.6	H	155	25
17958.400	38.6	-25.2	41.4	22.31	54.0	15.4	H	155	186

## Channel 62

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5350.810	52.4	-31.6	34.4	49.69	54.0	1.6	H	155	175
5353.240	51.4	-31.6	34.4	48.68	54.0	2.6	H	155	194
10607.200	36.0	-30.2	37.7	28.39	54.0	18.0	H	155	215
15930.400	36.8	-25.9	40.8	21.93	54.0	17.2	H	155	196
17620.000	38.4	-25.2	41.5	22.19	54.0	15.6	H	155	241
17976.800	38.5	-25.0	41.4	22.19	54.0	15.5	H	155	259

## Channel 102

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5459.200	45.2	-31.4	34.5	42.14	54.0	8.8	H	155	20
5459.600	45.5	-31.4	34.5	42.45	54.0	8.5	H	155	18
11020.000	41.8	-31.0	37.9	34.87	54.0	12.2	H	155	90
16530.400	38.0	-25.8	41.5	22.25	54.0	16.0	H	155	114
17617.600	38.4	-25.2	41.5	22.18	54.0	15.6	H	155	36
17960.800	38.5	-25.1	41.4	22.28	54.0	15.5	H	155	2

## Channel 118

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5486.000	37.8	-31.6	34.5	34.92	54.0	16.2	H	155	8
5674.000	37.5	-32.0	34.8	34.75	54.0	16.5	H	155	46
11180.000	42.5	-30.4	38.0	34.86	54.0	11.5	H	155	20
16770.400	37.9	-26.0	41.7	22.15	54.0	16.1	H	155	118
17628.800	38.4	-25.2	41.5	22.14	54.0	15.6	H	155	82
17996.000	38.7	-24.9	41.4	22.25	54.0	15.3	H	155	46

## Channel 134

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5728.000	37.7	-32.8	34.8	35.73	54.0	16.3	H	155	4
5739.200	37.7	-32.7	34.8	35.62	54.0	16.3	H	155	26
11340.000	43.1	-30.6	38.1	35.68	54.0	10.9	H	155	6
17010.000	38.5	-25.9	41.8	22.60	54.0	15.5	H	155	274
17615.200	38.5	-25.2	41.5	22.22	54.0	15.5	H	155	272
17979.200	38.6	-25.0	41.4	22.19	54.0	15.4	H	155	245

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## Channel 42

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5145.200	44.2	-32.2	34.2	42.28	54.0	9.8	H	155	18
5149.600	44.5	-32.2	34.2	42.53	54.0	9.5	H	155	56
10420.000	34.0	-31.0	37.6	27.35	54.0	20.0	H	155	139
15630.400	36.9	-26.0	40.5	22.50	54.0	17.1	H	155	108
17628.000	38.3	-25.2	41.5	22.04	54.0	15.7	H	155	78
17994.400	38.6	-25.0	41.4	22.14	54.0	15.4	H	155	36

## Channel 58

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5350.960	49.2	-31.6	34.4	46.50	54.0	4.8	H	155	268
5353.240	48.5	-31.6	34.4	45.71	54.0	5.5	H	155	138
10580.000	34.5	-30.4	37.7	27.16	54.0	19.5	H	155	104
15870.400	37.6	-25.7	40.7	22.52	54.0	16.4	H	155	40
17632.000	38.4	-25.2	41.5	22.11	54.0	15.6	H	155	28
17978.400	38.7	-25.0	41.4	22.32	54.0	15.3	H	155	8

## Channel 106

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5460.000	50.8	-31.4	34.5	47.74	54.0	3.2	H	155	16
5459.260	51.0	-31.4	34.5	47.96	54.0	3.0	H	155	48
11060.000	39.9	-30.9	37.9	32.89	54.0	14.1	H	155	80
16590.400	37.7	-25.8	41.6	22.01	54.0	16.3	H	155	8
17618.400	38.4	-25.2	41.5	22.11	54.0	15.6	H	155	102
17991.200	38.5	-25.0	41.4	22.11	54.0	15.5	H	155	118

**PEAK Results:**
**802.11a**

Channel 36

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5146.450	59.1	-32.2	34.2	57.15	74.0	14.9	H	155	176
5149.800	59.2	-32.2	34.2	57.22	74.0	14.8	H	155	154
10361.600	54.0	-30.9	37.6	47.28	74.0	20.0	V	155	22
15539.850	52.5	-25.7	40.3	37.88	74.0	21.5	V	155	176
17588.600	56.0	-25.4	41.5	39.87	74.0	18.0	H	155	198
17964.250	56.0	-25.1	41.4	39.74	74.0	18.0	H	155	0

Channel 40

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5156.840	57.6	-32.1	34.2	55.54	74.0	16.4	H	155	22
5248.860	56.8	-31.9	34.3	54.43	74.0	17.2	V	155	44
10401.200	53.6	-31.0	37.6	46.98	74.0	20.4	H	155	0
15599.800	50.7	-25.9	40.4	36.19	74.0	23.3	H	155	0
16836.750	55.5	-25.9	41.7	39.75	74.0	18.5	H	155	22
17970.300	55.9	-25.1	41.4	39.60	74.0	18.1	H	155	176

Channel 48

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5198.450	57.3	-31.9	34.2	54.97	74.0	16.7	H	155	0
5292.340	58.1	-31.9	34.3	55.71	74.0	15.9	H	155	0
10480.400	51.3	-30.9	37.7	44.48	74.0	22.7	V	155	22
15720.250	52.5	-25.8	40.6	37.73	74.0	21.5	V	155	352
16286.750	55.8	-25.6	41.2	40.17	74.0	18.2	V	155	88
17775.050	55.0	-25.9	41.4	39.45	74.0	19.0	V	155	88

## Channel 52

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5200.340	55.6	-31.9	34.2	53.20	74.0	18.5	H	155	22
5322.460	56.2	-31.8	34.3	53.62	74.0	17.8	H	155	22
10522.200	51.3	-30.8	37.7	44.36	74.0	22.7	H	155	88
15780.200	51.0	-25.6	40.6	35.93	74.0	23.0	V	155	110
16624.450	55.4	-25.8	41.6	39.63	74.0	18.6	V	155	44
17569.350	55.5	-25.4	41.5	39.50	74.0	18.5	H	155	0

## Channel 56

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5237.840	58.6	-31.9	34.2	56.27	74.0	15.4	H	155	0
5342.260	59.4	-31.7	34.3	56.73	74.0	14.6	H	155	44
10562.900	54.1	-30.5	37.7	46.86	74.0	19.9	V	155	22
15840.150	52.6	-25.6	40.7	37.52	74.0	21.4	H	155	110
17620.500	55.0	-25.2	41.5	38.75	74.0	19.0	H	155	88
17726.100	55.5	-25.6	41.5	39.63	74.0	18.5	H	155	44

## Channel 64

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5351.194	64.5	-31.6	34.4	61.79	74.0	9.5	V	155	0
5353.245	64.4	-31.6	34.4	61.68	74.0	9.6	H	155	44
10643.200	51.8	-30.2	37.8	44.31	74.0	22.2	V	155	22
15960.050	51.0	-26.1	40.9	36.18	74.0	23.0	H	155	0
17507.750	55.0	-25.7	41.5	39.19	74.0	19.0	H	155	44
17984.600	55.7	-25.0	41.4	39.32	74.0	18.3	V	155	132

## Channel 100

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5453.875	60.2	-31.3	34.5	57.08	74.0	13.8	H	155	0
5457.580	61.8	-31.4	34.5	58.68	74.0	12.2	H	155	44
11002.900	59.6	-31.0	37.9	52.70	74.0	14.4	V	155	88
16500.150	52.8	-25.8	41.5	37.10	74.0	21.2	V	155	44
17995.050	55.7	-25.0	41.4	39.22	74.0	18.3	V	155	66
17503.350	55.9	-25.7	41.5	40.12	74.0	18.1	H	155	88

## Channel 120

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5463.400	44.8	-31.4	34.5	41.75	74.0	29.2	H	155	264
5709.600	44.5	-32.6	34.8	42.29	74.0	29.5	H	155	132
11202.000	60.0	-30.4	38.0	52.40	74.0	14.0	H	155	110
16799.900	52.9	-25.9	41.7	37.20	74.0	21.1	H	155	44
16996.800	55.5	-25.9	41.8	39.58	74.0	18.5	H	155	22
16962.150	55.6	-25.8	41.8	39.61	74.0	18.4	V	155	0

## Channel 140

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5725.520	61.0	-32.8	34.8	58.95	74.0	13.0	H	155	22
5728.760	59.8	-32.8	34.8	57.82	74.0	14.2	H	155	66
11401.650	60.4	-30.7	38.1	52.92	74.0	13.6	V	155	88
17100.200	52.4	-26.2	41.7	36.81	74.0	21.6	V	155	0
16932.450	55.4	-25.8	41.8	39.48	74.0	18.6	H	155	110
17649.100	55.5	-25.2	41.5	39.23	74.0	18.5	H	155	132

**802.11n-HT20**

## Channel 36

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5145.730	61.0	-32.2	34.2	59.04	74.0	13.0	H	155	22
5148.750	61.4	-32.2	34.2	59.48	74.0	12.6	H	155	44
10358.300	53.2	-30.9	37.6	46.50	74.0	20.8	H	155	242
15539.850	52.3	-25.7	40.3	37.68	74.0	21.7	H	155	176
17620.500	55.6	-25.2	41.5	39.33	74.0	18.4	H	155	88
17996.150	56.0	-24.9	41.4	39.59	74.0	18.0	V	155	22

## Channel 40

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5149.780	56.2	-32.2	34.2	54.22	74.0	17.8	H	155	176
5252.642	56.4	-31.9	34.3	54.06	74.0	17.6	H	155	0
10399.000	52.2	-31.0	37.6	45.53	74.0	21.8	V	155	22
15599.800	51.1	-25.9	40.4	36.65	74.0	22.9	V	155	352
17530.300	55.2	-25.6	41.5	39.31	74.0	18.8	V	155	0
17990.650	55.3	-25.0	41.4	38.83	74.0	18.7	V	155	0

## Channel 48

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5191.250	56.4	-31.8	34.2	54.03	74.0	17.6	H	155	22
5311.040	57.0	-31.8	34.3	54.49	74.0	17.0	H	155	242
10479.300	51.4	-30.9	37.7	44.57	74.0	22.6	V	155	44
15720.250	51.8	-25.8	40.6	36.98	74.0	22.2	H	155	330
17640.850	55.9	-25.2	41.5	39.63	74.0	18.1	H	155	176
17993.400	56.2	-25.0	41.4	39.78	74.0	17.8	H	155	0

## Channel 52

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5218.840	54.6	-31.9	34.2	52.30	74.0	19.4	H	155	22
5326.540	55.3	-31.8	34.3	52.74	74.0	18.7	V	155	242
10512.300	51.8	-30.8	37.7	44.95	74.0	22.2	H	155	44
15780.200	51.7	-25.6	40.6	36.57	74.0	22.3	V	155	88
16926.950	55.3	-25.8	41.8	39.36	74.0	18.7	V	155	176
17959.300	55.5	-25.1	41.4	39.25	74.0	18.5	V	155	0

## Channel 56

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5231.280	55.4	-31.9	34.2	53.10	74.0	18.6	H	155	0
5342.860	55.5	-31.7	34.3	52.80	74.0	18.5	V	155	22
10554.100	54.1	-30.5	37.7	46.88	74.0	19.9	V	155	352
15840.150	51.6	-25.6	40.7	36.48	74.0	22.4	V	155	352
17060.050	55.5	-26.1	41.8	39.76	74.0	18.5	V	155	176
17708.500	55.7	-25.5	41.5	39.80	74.0	18.3	V	155	110

## Channel 64

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)	Antenna Height (cm)	Turntable angle (deg)
5350.250	64.6	-31.6	34.4	61.92	74.0	9.4	V	155	0
5350.695	64.5	-31.6	34.4	61.79	74.0	9.5	V	155	22
10638.250	52.0	-30.2	37.8	44.43	74.0	22.0	H	155	0
15960.050	51.3	-26.1	40.9	36.54	74.0	22.7	H	155	264
16365.400	55.3	-25.7	41.3	39.63	74.0	18.7	H	155	110
17902.100	55.3	-25.5	41.4	39.33	74.0	18.7	H	155	242