

For 150kHz-30MHz

Spectrum Parameters	Setting
RBW	9kHz
VBW	9kHz
Start frequency	150kHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

Note: For 150kHz-490kHz,the detector is average,other frequency is CISPR QP detector.

For 30MHz-1GHz

Spectrum Parameters	Setting
RBW	120kHz
VBW	300kHz
Start frequency	30MHz
Stop frequency	1GHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

For Above 1GHz

Spectrum Parameters	Setting	
RBW	1MHz	
VBW	PEAK Measurement	AVG Measurement
	3MHz	Duty cycle $\geq$ 98%,VBW=10Hz Duty cycle $<$ 98%,VBW $\geq$ 1/T Video bandwidth mode=RMS (power averaging)
Start frequency	1GHz	
Stop frequency	40GHz	
Sweep Time	Auto	
Detector	PEAK	
Trace Mode	Max Hold	

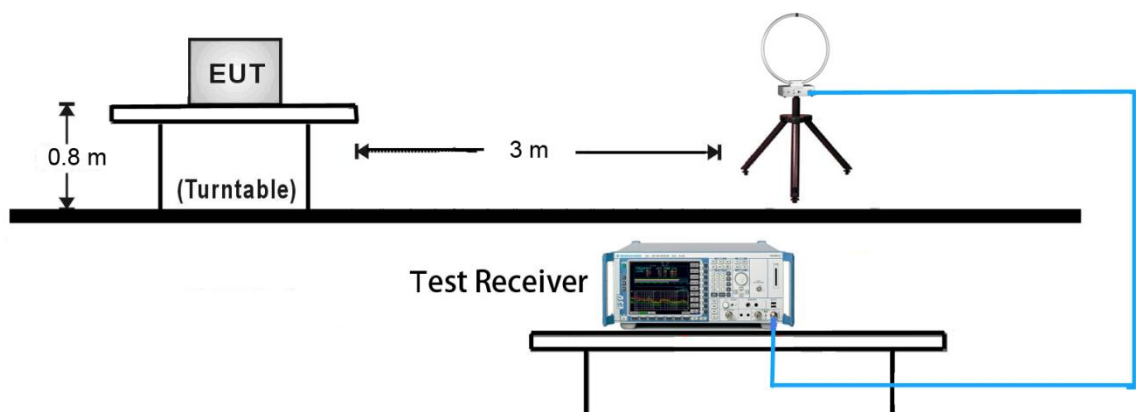
Note:

- (1) T is the on-time time of the duty cycle, when EUT transmit continuously with maximum output power, unit is seconds. reference section 2.9 for the on-time time.
- (2) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

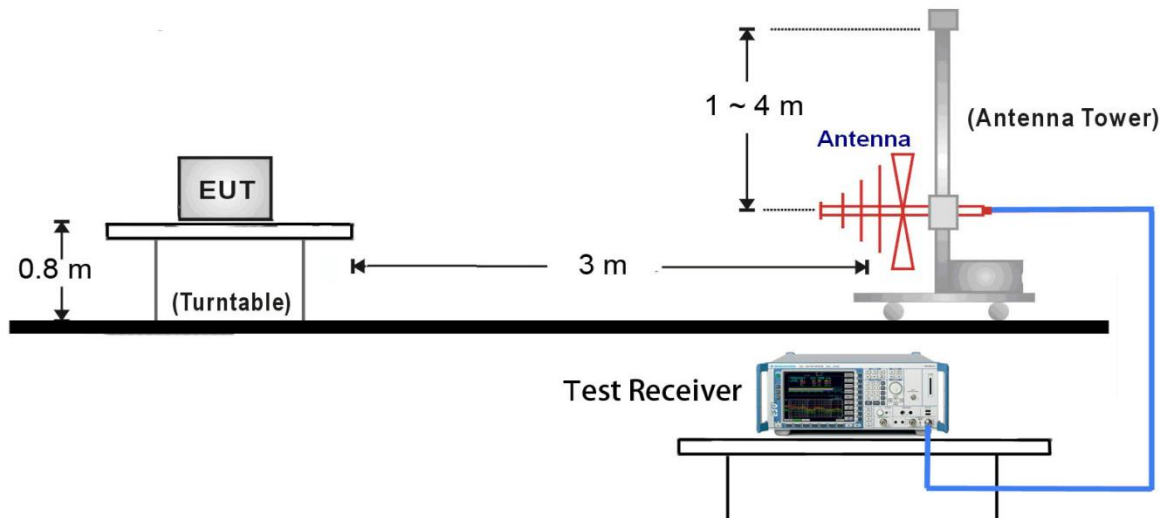
$$E = \text{EIRP} - 20 \log D + 104.8$$
 where:
 E = electric field strength in dB μ V/m,
 EIRP = equivalent isotropic radiated power in dBm
 D = specified measurement distance in meters.
 So: $E = -27 - 20 \log 3 + 104.8 = 68.3 \text{ (dB}\mu\text{V/m)}.$
- (3) The unwanted emissions which fall in Restricted bands shall not exceed the field strength ,Above 18G test distance is 1m, so the Peak Limit= $74 + 20 \cdot \log(3/1) = 83.54 \text{ (dB}\mu\text{V/m)}.$
 The Avg Limit= $54 + 20 \cdot \log(3/1) = 63.54 \text{ (dB}\mu\text{V/m)}.$
- (4) The maximum emissions of the operation frequency bands ,Above 18G test distance is 1m, so the Peak Limit= $68.3 + 20 \cdot \log(3/1) = 77.84 \text{ (dB}\mu\text{V/m)}.$

7.6.3. Test Setup

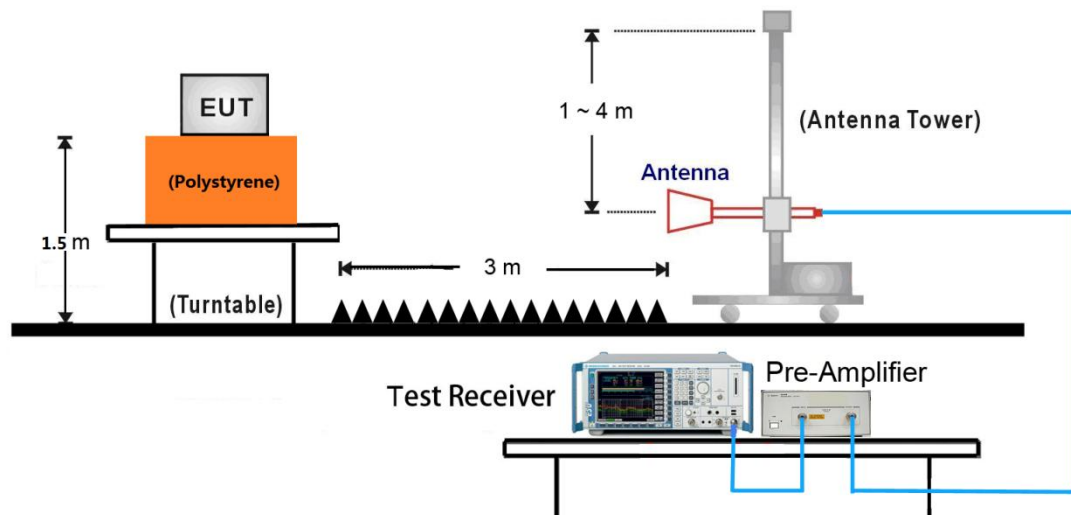
9kHz ~ 30MHz Test Setup:



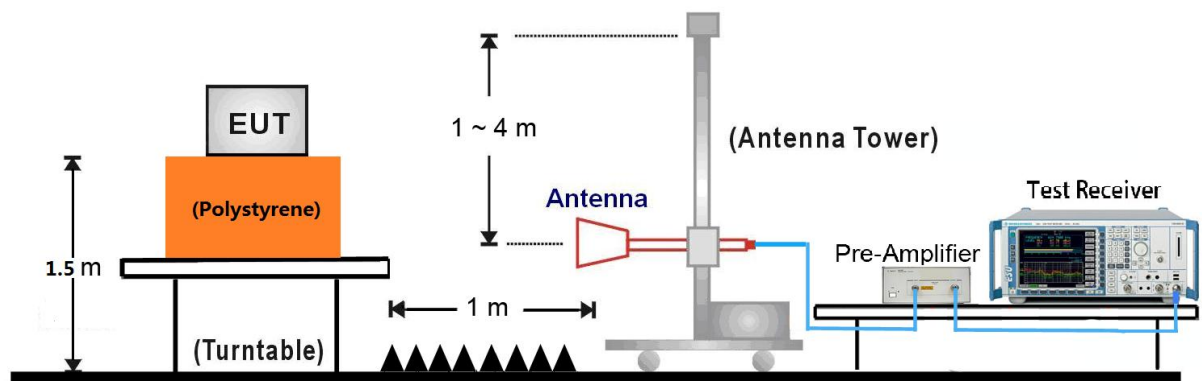
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~ 40GHz Test Setup:



7.6.4. DATA SAMPLE

Below 1GHz

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity
xxxx	xxxx	66.85	31.09	-35.76	40.00	8.91	PK	200	351	Horizontal

Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV/m]	Level [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
xxxx	xxxx	-31.57	71.28	39.71	46.00	6.29	100	196	Horizontal

Frequency (MHz)	= Emission frequency in MHz
Reading (dBuV/m)	= Uncorrected Analyzer / Receiver reading
Factor (dB)	= Antenna factor + Cable loss – Amplifier gain
Level (dBuV/m)	= Reading (dBuV/m) + Factor (dB)
Limit (dBuV/m)	= Limit stated in standard
Margin (dB)	= Limit (dBuV/m) – Level (dBuV/m)
Polarity	= Antenna polarization
Peak	= Peak Reading
QP	= Quasi-peak Reading

1GHz-18GHz

No.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Remark
xxx	xxxx	78.01	55.30	-22.71	74.00	18.70	100	50	Horizontal	Peak
xxx	xxxx	66.37	43.66	-22.71	54.00	10.34	100	50	Horizontal	AVG

Above 18GHz

Suspected Data List											
NO.	Freq. [MHz]	Reading [dBμV/m]	Level for 1m [dBμV/m]	Level for 3m [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Remark
xxx	xxxx	53.84	59.73	50.19	5.89	74.00	23.81	100	48	Vertical	Peak
xxx	xxxx	44.22	46.83	37.29	2.61	54.00	16.71	100	279	Vertical	AVG

Frequency (MHz) = Emission frequency in MHz
 Reading (dBuV/m) = Uncorrected Analyzer / Receiver reading
 Factor (dB) = Antenna factor + Cable loss – Amplifier gain
 Level (dBuV/m) = Reading (dBuV/m) + Factor (dB)
 Limit (dBuV/m) = Limit stated in standard
 Margin (dB) = Limit (dBuV/m) – Level (dBuV/m)
 Polarity = Antenna polarization
 Peak = Peak Reading
 AVG = Average Reading

7.6.5. Test Result

Below 1GHz

All models were pretested and only the worst modes and channels were recorded in this report.
(IEEE 802.11n HT40 5755MHz)

Mode: IEEE 802.11n HT40

Environment: 22.2°C/31%RH/101.7kPa

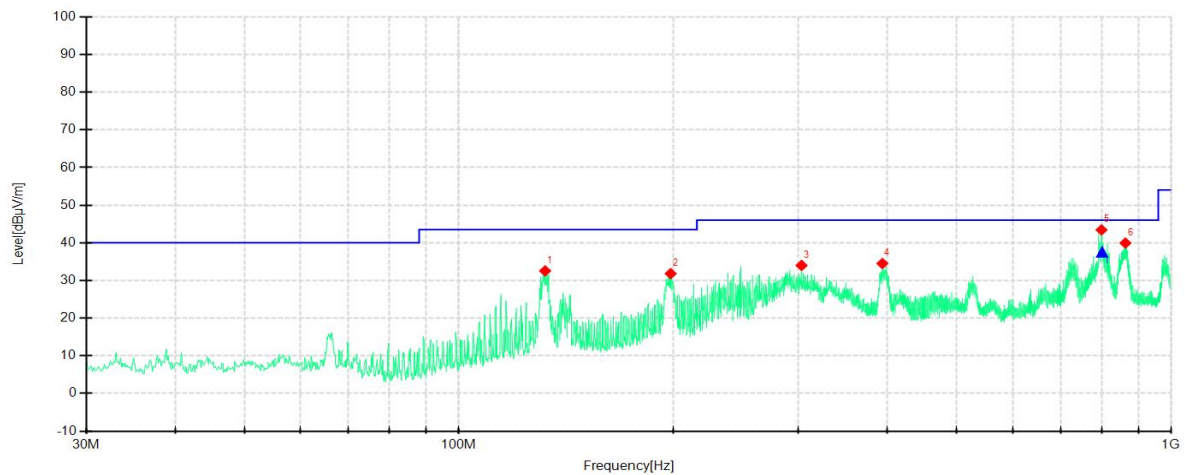
Test Engineer: Stone Zhang

Probe : Horizontal

Frequency:5755MHz

Power supply: DC 12V

Test Date: 2025-04-26



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity
1	132.2265	61.58	32.54	-29.04	43.50	10.96	PK	200	86	Horizontal
2	198.4373	63.22	31.82	-31.40	43.50	11.68	PK	100	107	Horizontal
3	302.9679	61.51	33.99	-27.52	46.00	12.01	PK	100	264	Horizontal
4	393.4317	58.86	34.50	-24.36	46.00	11.50	PK	100	54	Horizontal
5	798.8211	60.32	43.42	-16.90	46.00	2.58	PK	100	288	Horizontal
6	863.0916	55.92	39.93	-15.99	46.00	6.07	PK	100	288	Horizontal

Final Data List										
NO.	Freq. [MHz]	Factor [dB]	QP Reading [dB μ V/m]	Level [dB μ V/m]	QP Limit [dB μ V/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	800.3360	-16.90	54.44	37.54	46.00	8.46	100	287.8	Horizontal	PASS

Mode: IEEE 802.11n HT40

Environment: 22.2°C/31%RH/101.7kPa

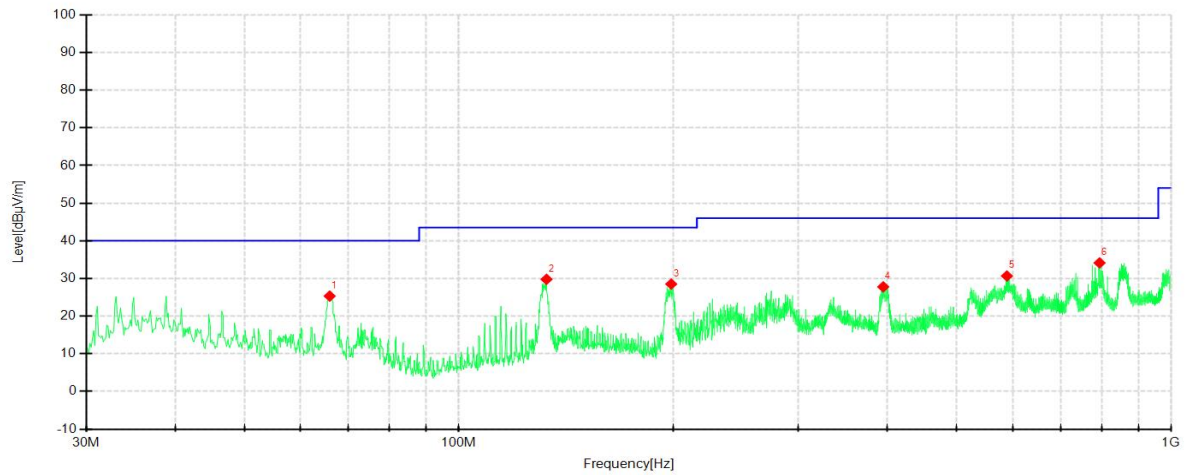
Test Engineer: Stone Zhang

Probe : Vertical

Frequency:5755MHz

Power supply: DC 12V

Test Date: 2025-04-26



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity
1	65.8945	55.91	25.32	-30.59	40.00	14.68	PK	100	226	Vertical
2	132.8329	58.78	29.78	-29.00	43.50	13.72	PK	200	29	Vertical
3	198.8011	59.95	28.52	-31.43	43.50	14.98	PK	100	96	Vertical
4	394.5231	52.08	27.77	-24.31	46.00	18.23	PK	200	29	Vertical
5	588.4261	50.21	30.65	-19.56	46.00	15.35	PK	100	19	Vertical
6	793.8492	51.08	34.14	-16.94	46.00	11.86	PK	100	32	Vertical

Remark:

- 1 No emission found between lowest internal used/generated frequency to 30MHz.
- 2 Radiated emissions measured in frequency range from 9kHz to 1GHz were made with an instrument using Quasi-peak detector mode.
- 3 Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4 The IF bandwidth of Receiver between 30MHz to 1GHz was 120 kHz.
- 5 If the margin of the pre test results is greater than 6db, it meets the requirements of quasipeak or average values, and final testing is no longer required.

1GHz-18GHz:

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

Mode: IEEE 802.11a

Frequency (5745MHz)

Date: 2025-05-08

Environment: 25.3°C/41%RH/101.7kPa

Voltage:DC 12V

Test Engineer: Stone Zhang

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1320.1000	61.39	41.45	-19.94	74.00	32.55	100	88	Horizontal
2	1580.2500	61.21	41.47	-19.74	74.00	32.53	200	317	Horizontal
3	2377.7500	61.41	45.14	-16.27	74.00	28.86	100	348	Horizontal
4	3140.0500	58.33	46.51	-11.82	68.30	21.79	100	102	Horizontal
5	5119.5000	47.91	49.24	1.33	74.00	24.76	200	183	Horizontal
6	14942.1500	36.92	53.95	17.03	68.30	14.35	200	57	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5119.5137	1.33	46.11	47.44	54.00	6.56	100	159	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1557.1500	71.97	51.84	-20.13	74.00	22.16	200	280	Vertical
2	2393.7000	62.00	46.55	-15.45	68.30	21.75	100	359	Vertical
3	3140.0500	59.51	48.21	-11.30	68.30	20.09	200	48	Vertical
4	4080.5500	53.95	47.01	-6.94	74.00	26.99	100	267	Vertical
5	5063.9500	48.69	50.35	1.66	74.00	23.65	200	224	Vertical
6	15012.3000	37.36	54.62	17.26	68.30	13.68	100	0	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1560.8911	-20.13	44.94	24.81	54.00	29.19	138	23.8	Vertical
2	5063.9534	1.67	46.18	47.84	54.00	6.16	100	240	Vertical

Mode: IEEE 802.11a

Frequency (5785MHz)

Environment: 25.3°C/41%RH/101.7kPa

Test Engineer: Stone Zhang

Date: 2025-05-08

Voltage:DC 12V

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1323.9500	61.25	41.33	-19.92	74.00	32.67	100	117	Horizontal
2	2385.4500	60.17	44.20	-15.97	74.00	29.80	200	47	Horizontal
3	3140.0500	57.73	45.91	-11.82	68.30	22.39	100	102	Horizontal
4	5044.1500	48.68	50.08	1.40	74.00	23.92	100	117	Horizontal
5	10114.4500	39.68	50.36	10.68	68.30	17.94	100	62	Horizontal
6	14958.2500	36.73	53.56	16.83	68.30	14.74	200	0	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5044.1590	1.40	46.23	47.63	54.00	6.37	100	236	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1574.2000	60.50	40.16	-20.34	74.00	33.84	200	304	Vertical
2	2378.8500	63.97	48.23	-15.74	74.00	25.77	100	360	Vertical
3	3140.0500	59.29	47.99	-11.30	68.30	20.31	200	49	Vertical
4	4272.5000	61.42	56.49	-4.93	74.00	17.51	200	289	Vertical
5	5791.0500	51.08	51.51	0.43	68.30	16.79	200	342	Vertical
6	15314.7500	36.50	54.03	17.53	68.30	14.27	100	30	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2384.5129	-15.74	46.43	30.69	54.00	23.31	102	360	Vertical
2	4265.6678	-4.93	37.68	32.75	54.00	21.25	146	32.1	Vertical

Mode: IEEE 802.11a

Frequency (5825MHz)

Environment: 25.3°C/41%RH/101.7kPa

Test Engineer: Stone Zhang

Date: 2025-05-08

Voltage:DC 12V

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1207.9000	63.10	41.08	-22.02	74.00	32.92	100	313	Horizontal
2	1782.1000	59.65	39.35	-20.30	68.30	28.95	100	284	Horizontal
3	2402.5000	60.83	45.47	-15.36	68.30	22.83	200	33	Horizontal
4	3140.0500	57.95	46.13	-11.82	68.30	22.17	100	40	Horizontal
5	10576.7500	39.27	50.45	11.18	68.30	17.85	100	236	Horizontal
6	14763.9000	36.13	53.67	17.54	68.30	14.63	200	76	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1183.1500	61.94	40.77	-21.17	74.00	33.23	100	313	Vertical
2	2089.0000	62.74	45.27	-17.47	68.30	23.03	100	286	Vertical
3	2393.1500	59.31	43.85	-15.46	68.30	24.45	100	220	Vertical
4	3139.5000	59.88	48.57	-11.31	68.30	19.73	200	84	Vertical
5	3973.8500	53.32	46.16	-7.16	74.00	27.84	100	327	Vertical
6	17673.4000	39.48	55.71	16.23	68.30	12.59	100	343	Vertical

Mode: IEEE 802.11n HT20

Frequency (5745MHz)

Date: 2025-05-09

Environment: 24.8°C/42%RH/100.4kPa

Voltage:DC 12V

Test Engineer: Stone Zhang

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1132.0000	63.29	40.69	-22.60	74.00	33.31	100	235	Horizontal
2	2384.3500	58.29	42.28	-16.01	74.00	31.72	100	276	Horizontal
3	5044.7000	49.74	51.14	1.40	74.00	22.86	200	169	Horizontal
4	12856.0500	37.23	53.17	15.94	68.30	15.13	100	3	Horizontal
5	15739.1000	40.20	54.15	13.95	74.00	19.85	200	313	Horizontal
6	17990.8000	38.05	55.83	17.78	74.00	18.17	100	70	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5046.0143	1.40	36.34	37.74	54.00	16.26	200	288	Horizontal
2	15700.4923	13.95	27.02	40.97	54.00	13.03	200	133.8	Horizontal
3	17998.3760	17.78	26.91	44.69	54.00	9.31	100	153.9	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2399.7500	60.41	45.08	-15.33	68.30	23.22	100	290	Vertical
2	2584.0000	62.82	48.14	-14.68	68.30	20.16	100	236	Vertical
3	3974.9500	55.90	48.75	-7.15	74.00	25.25	100	49	Vertical
4	4996.8500	49.52	50.46	0.94	74.00	23.54	200	345	Vertical
5	14650.0500	37.66	54.42	16.76	68.30	13.88	100	260	Vertical
6	17987.3500	37.53	55.64	18.11	74.00	18.36	100	165	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3974.1156	-7.15	41.01	33.86	54.00	20.14	130	42.8	Vertical
2	4993.9209	0.94	36.36	37.30	54.00	16.70	105	318.4	Vertical
3	17999.9333	18.11	27.03	45.14	54.00	8.86	100	266.6	Vertical

Mode: IEEE 802.11n HT20

Frequency (5785 MHz)

Environment: 24.8°C/42%RH/100.4kPa

Test Engineer: Stone Zhang

Date: 2025-05-09

Voltage:DC 12V

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1054.4500	64.91	41.72	-23.19	74.00	32.28	100	313	Horizontal
2	2381.6000	59.50	43.39	-16.11	74.00	30.61	100	97	Horizontal
3	5115.6500	48.87	50.22	1.35	74.00	23.78	100	57	Horizontal
4	5788.8500	53.08	53.49	0.41	68.30	14.81	200	327	Horizontal
5	14799.5500	37.23	54.60	17.37	68.30	13.70	200	100	Horizontal
6	17981.6000	37.82	55.53	17.71	74.00	18.47	200	250	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.8709	1.35	36.61	37.96	54.00	16.04	110	0	Horizontal
2	17999.9320	17.71	27.00	44.71	54.00	9.29	200	329.4	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1965.8000	70.42	51.77	-18.65	68.30	16.53	100	301	Vertical
2	2409.6500	59.41	44.14	-15.27	68.30	24.16	100	247	Vertical
3	3965.0500	55.58	48.29	-7.29	74.00	25.71	200	314	Vertical
4	5116.7500	48.20	49.88	1.68	74.00	24.12	100	260	Vertical
5	5792.1500	50.97	51.40	0.43	68.30	16.90	100	327	Vertical
6	17995.4000	37.77	55.84	18.07	74.00	18.16	200	102	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3974.5754	-7.29	41.06	33.77	54.00	20.23	178	339.7	Vertical
2	5117.5271	1.68	36.64	38.32	54.00	15.68	100	205.2	Vertical
3	17998.1130	18.07	26.90	44.97	54.00	9.03	200	10.9	Vertical

Mode: IEEE 802.11n HT20

Frequency (5825MHz)

Environment: 24.8°C/42%RH/100.4kPa

Test Engineer: Stone Zhang

Date: 2025-05-09

Voltage:DC 12V

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1415.8000	76.15	56.16	-19.99	74.00	17.84	100	275	Horizontal
2	1684.7500	64.91	45.25	-19.66	74.00	28.75	100	275	Horizontal
3	3988.7000	55.50	47.88	-7.62	74.00	26.12	100	33	Horizontal
4	5117.3000	48.93	50.28	1.35	74.00	23.72	100	303	Horizontal
5	13148.1500	36.38	53.90	17.52	68.30	14.40	200	83	Horizontal
6	17997.7000	38.99	56.82	17.83	74.00	17.18	100	71	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1414.2425	-19.99	44.73	24.74	54.00	29.26	100	62.7	Horizontal
2	5117.4108	1.35	36.67	38.02	54.00	15.98	100	20.3	Horizontal
3	17999.9315	17.83	26.93	44.76	54.00	9.24	151	276.5	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1999.3500	70.18	52.37	-17.81	68.30	15.93	100	289	Vertical
2	2654.4000	61.72	47.02	-14.70	68.30	21.28	200	86	Vertical
3	3995.3000	58.09	51.21	-6.88	74.00	22.79	100	103	Vertical
4	5974.7500	56.70	56.96	0.26	68.30	11.34	100	127	Vertical
5	13144.7000	36.13	53.06	16.93	68.30	15.24	100	136	Vertical
6	17997.7000	38.31	56.37	18.06	74.00	17.63	100	54	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3986.9158	-6.88	40.28	33.40	54.00	20.60	131	42.1	Vertical
2	17999.4115	18.06	26.99	45.05	54.00	8.95	100	164.1	Vertical

Mode: IEEE 802.11n HT40

Frequency (5755MHz)

Date: 2025-05-09

Environment: 24.8°C/42%RH/100.4kPa

Voltage:DC 12V

Test Engineer: Stone Zhang

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1317.9000	60.34	40.39	-19.95	74.00	33.61	100	86	Horizontal
2	2401.9500	59.63	44.26	-15.37	68.30	24.04	100	276	Horizontal
3	5117.8500	49.08	50.41	1.33	74.00	23.59	100	153	Horizontal
4	13265.4500	37.60	53.43	15.83	74.00	20.57	100	301	Horizontal
5	14877.7500	37.07	54.37	17.30	68.30	13.93	100	151	Horizontal
6	17983.9000	38.70	56.43	17.73	74.00	17.57	100	16	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.2944	1.33	36.63	37.96	54.00	16.04	100	357.8	Horizontal
2	13273.0334	15.83	24.48	40.31	54.00	13.69	182	85	Horizontal
3	17999.4105	17.73	26.98	44.71	54.00	9.29	100	174.2	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2402.5000	61.44	46.14	-15.30	68.30	22.16	100	294	Vertical
2	3973.8500	56.07	48.91	-7.16	74.00	25.09	200	333	Vertical
3	5116.7500	48.42	50.10	1.68	74.00	23.90	200	237	Vertical
4	13157.3500	36.02	52.73	16.71	68.30	15.57	100	41	Vertical
5	14895.0000	36.06	54.33	18.27	68.30	13.97	200	163	Vertical
6	17998.8500	38.76	56.81	18.05	74.00	17.19	100	163	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3973.1604	-7.16	41.12	33.96	54.00	20.04	179	337.3	Vertical
2	5116.7131	1.68	36.61	38.29	54.00	15.71	100	22.7	Vertical
3	17999.1558	18.05	26.90	44.95	54.00	9.05	100	245.6	Vertical

Mode: IEEE 802.11n HT40

Frequency (5795MHz)

Date: 2025-05-09

Environment: 24.8°C/42%RH/100.4kPa

Voltage:DC 12V

Test Engineer: Stone Zhang

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1041.2500	64.29	40.96	-23.33	74.00	33.04	200	325	Horizontal
2	2111.5500	67.06	49.41	-17.65	68.30	18.89	100	273	Horizontal
3	4395.7000	54.09	48.80	-5.29	74.00	25.20	200	285	Horizontal
4	5000.1500	48.32	49.63	1.31	74.00	24.37	200	0	Horizontal
5	13156.2000	35.94	53.33	17.39	68.30	14.97	200	64	Horizontal
6	18000.0000	37.30	55.15	17.85	74.00	18.85	200	305	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4404.7018	-5.29	37.58	32.29	53.95	21.66	107	308	Horizontal
2	4990.3086	1.31	36.19	37.50	54.00	16.50	149	205.7	Horizontal
3	17998.1100	17.85	26.87	44.72	54.00	9.28	200	33.6	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1295.9000	63.51	42.95	-20.56	68.30	25.35	200	287	Vertical
2	2379.4000	59.26	43.53	-15.73	74.00	30.47	200	274	Vertical
3	3961.2000	55.24	47.90	-7.34	74.00	26.10	200	340	Vertical
4	5116.7500	48.34	50.02	1.68	74.00	23.98	100	339	Vertical
5	14761.6000	36.73	54.26	17.53	68.30	14.04	100	264	Vertical
6	17928.7000	38.28	56.65	18.37	74.00	17.35	200	320	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.6011	1.68	36.65	38.33	54.00	15.67	100	53.7	Vertical
2	17971.2483	18.37	25.80	44.17	54.00	9.83	200	328	Vertical

Mode: IEEE 802.11ac VHT20

Frequency (5745MHz)

Date: 2025-05-09

Environment: 24.8°C/42%RH/100.4kPa

Voltage:DC 12V

Test Engineer: Stone Zhang

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1321.2000	61.57	41.63	-19.94	74.00	32.37	100	82	Horizontal
2	2393.1500	59.05	43.37	-15.68	68.30	24.93	100	285	Horizontal
3	5117.3000	48.67	50.02	1.35	74.00	23.98	100	340	Horizontal
4	13114.8000	36.04	53.28	17.24	68.30	15.02	100	18	Horizontal
5	14648.9000	37.30	54.61	17.31	68.30	13.69	200	21	Horizontal
6	17994.2500	37.72	55.53	17.81	74.00	18.47	200	303	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.4108	1.35	36.69	38.04	54.00	15.96	101	194	Horizontal
2	17999.8088	17.81	26.93	44.74	54.00	9.26	200	263.7	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1245.8500	68.91	48.14	-20.77	68.30	20.16	200	287	Vertical
2	2393.1500	60.07	44.61	-15.46	68.30	23.69	100	286	Vertical
3	3805.5500	59.79	50.65	-9.14	74.00	23.35	100	286	Vertical
4	5066.7000	48.70	50.38	1.68	74.00	23.62	100	229	Vertical
5	14763.9000	36.64	54.18	17.54	68.30	14.12	100	101	Vertical
6	17981.6000	37.93	56.07	18.14	74.00	17.93	200	33	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3815.0501	-9.14	38.91	29.77	54.00	24.23	100	43.8	Vertical
2	5062.3003	1.68	36.12	37.80	54.00	16.20	100	215.4	Vertical
3	17999.9320	18.14	27.07	45.21	54.00	8.79	168	265.9	Vertical

Mode: IEEE 802.11ac VHT20

Frequency (5785 MHz)

Environment: 24.8°C/42%RH/100.4kPa

Test Engineer: Stone Zhang

Date: 2025-05-09

Voltage:DC 12V

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1331.1000	62.16	42.27	-19.89	74.00	31.73	100	70	Horizontal
2	2394.8000	59.50	43.89	-15.61	68.30	24.41	100	286	Horizontal
3	5059.5500	48.91	50.32	1.41	74.00	23.68	100	5	Horizontal
4	5790.5000	53.48	53.89	0.41	68.30	14.41	200	340	Horizontal
5	14748.9500	36.86	54.46	17.60	68.30	13.84	100	328	Horizontal
6	17977.0000	37.91	55.58	17.67	74.00	18.42	100	98	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5047.8711	1.41	36.26	37.67	54.00	16.33	100	123.4	Horizontal
2	17999.9350	17.67	26.97	44.64	54.00	9.36	130	63.5	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1579.1500	68.97	48.57	-20.40	74.00	25.43	200	285	Vertical
2	3187.9000	62.66	50.86	-11.80	68.30	17.44	100	285	Vertical
3	3988.7000	57.14	50.17	-6.97	74.00	23.83	200	339	Vertical
4	5049.1000	48.31	49.91	1.60	74.00	24.09	100	56	Vertical
5	5792.1500	51.44	51.87	0.43	68.30	16.43	100	326	Vertical
6	17994.2500	38.55	56.63	18.08	74.00	17.37	200	239	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1583.0811	-20.40	48.28	27.88	54.00	26.12	158	53.3	Vertical
2	3979.4643	-6.97	41.25	34.28	54.00	19.72	180	337.9	Vertical
3	5046.2503	1.60	36.35	37.95	54.00	16.05	100	287	Vertical
4	17999.9388	18.08	26.94	45.02	54.00	8.98	200	2.5	Vertical

Mode: IEEE 802.11ac VHT20

Frequency (5825MHz)

Environment: 24.8°C/42%RH/100.4kPa

Test Engineer: Stone Zhang

Date: 2025-05-09

Voltage:DC 12V

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1318.4500	62.16	42.20	-19.96	74.00	31.80	100	59	Horizontal
2	2395.9000	59.57	43.99	-15.58	68.30	24.31	100	301	Horizontal
3	5116.7500	48.60	49.95	1.35	74.00	24.05	200	237	Horizontal
4	13099.8500	36.26	53.38	17.12	68.30	14.92	100	5	Horizontal
5	15759.8000	40.08	53.94	13.86	74.00	20.06	100	0	Horizontal
6	17949.4000	38.06	55.52	17.46	74.00	18.48	100	177	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.4531	1.35	36.67	38.02	54.00	15.98	127	94.2	Horizontal
2	15759.3405	13.86	27.08	40.94	54.00	13.06	100	316.7	Horizontal
3	17993.9465	17.46	26.71	44.17	54.00	9.83	100	317.4	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1562.6500	62.86	42.66	-20.20	74.00	31.34	100	60	Vertical
2	2392.6000	61.56	46.09	-15.47	68.30	22.21	200	264	Vertical
3	3962.3000	55.37	48.05	-7.32	74.00	25.95	200	345	Vertical
4	5116.2000	48.75	50.43	1.68	74.00	23.57	100	288	Vertical
5	15658.6000	39.94	54.48	14.54	74.00	19.52	100	15	Vertical
6	17955.1500	38.46	56.70	18.24	74.00	17.30	200	108	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3972.0193	-7.32	41.07	33.75	54.00	20.25	178	316	Vertical
2	5118.2735	1.68	36.72	38.40	54.00	15.60	100	175	Vertical
3	15688.7435	14.54	27.10	41.64	54.00	12.36	100	245.9	Vertical
4	17999.9343	18.24	26.98	45.22	54.00	8.78	200	257.6	Vertical

Mode: IEEE 802.11ac VHT40

Frequency (5755MHz)

Date: 2025-05-09

Environment: 24.8°C/42%RH/100.4kPa

Voltage:DC 12V

Test Engineer: Stone Zhang

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1198.5500	67.17	45.02	-22.15	74.00	28.98	100	30	Horizontal
2	1660.5500	64.17	44.62	-19.55	74.00	29.38	200	42	Horizontal
3	2661.5500	61.23	46.41	-14.82	68.30	21.89	100	3	Horizontal
4	5117.3000	48.52	49.87	1.35	74.00	24.13	200	232	Horizontal
5	16092.1500	39.67	53.50	13.83	74.00	20.50	200	209	Horizontal
6	17996.5500	38.24	56.06	17.82	74.00	17.94	200	317	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5117.5588	1.35	36.76	38.11	54.00	15.89	139	22.3	Horizontal
2	16093.1996	13.83	27.82	41.65	54.00	12.35	138	114	Horizontal
3	17999.8073	17.82	27.24	45.06	54.00	8.94	200	255.1	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1199.1000	71.10	50.15	-20.95	74.00	23.85	200	43	Vertical
2	1998.8000	68.28	50.46	-17.82	68.30	17.84	200	56	Vertical
3	2658.8000	66.12	51.45	-14.67	68.30	16.85	100	258	Vertical
4	4791.1500	53.46	52.03	-1.43	74.00	21.97	100	298	Vertical
5	5998.4000	55.98	55.99	0.01	68.30	12.31	100	339	Vertical
6	17986.2000	37.78	55.89	18.11	74.00	18.11	100	194	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1200.6618	-20.95	47.28	26.33	54.00	27.67	117	1.1	Vertical
2	4780.2641	-1.43	38.10	36.67	54.00	17.33	112	32.8	Vertical
3	17999.9390	18.11	27.22	45.33	54.00	8.67	139	185.5	Vertical

Mode: IEEE 802.11ac VHT40

Frequency (5795MHz)

Date: 2025-05-09

Environment: 24.8°C/42%RH/100.4kPa

Voltage:DC 12V

Test Engineer: Stone Zhang

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1323.9500	62.61	42.69	-19.92	74.00	31.31	100	70	Horizontal
2	2375.5500	59.38	43.04	-16.34	74.00	30.96	100	285	Horizontal
3	5048.0000	48.37	49.77	1.40	74.00	24.23	100	0	Horizontal
4	5791.6000	52.69	53.10	0.41	68.30	15.20	200	328	Horizontal
5	14690.3000	36.99	54.42	17.43	68.30	13.88	200	101	Horizontal
6	17998.8500	38.14	55.98	17.84	74.00	18.02	100	155	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5047.5250	1.40	36.32	37.72	54.00	16.28	112	71.4	Horizontal
2	17999.8058	17.84	27.11	44.95	54.00	9.05	150	114.2	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1196.3500	65.87	44.88	-20.99	74.00	29.12	100	274	Vertical
2	3140.0500	55.92	44.62	-11.30	68.30	23.68	200	341	Vertical
3	3962.3000	57.49	50.17	-7.32	74.00	23.83	200	341	Vertical
4	5113.4500	49.17	50.87	1.70	74.00	23.13	200	285	Vertical
5	14937.5500	37.26	55.25	17.99	68.30	13.05	100	20	Vertical
6	17991.9500	38.55	56.63	18.08	74.00	17.37	200	156	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3971.9043	-7.32	41.51	34.19	54.00	19.81	178	338	Vertical
2	5118.4454	1.70	36.74	38.44	54.00	15.56	116	12	Vertical
3	17999.9303	18.08	27.28	45.36	54.00	8.64	107	22.1	Vertical

Mode: IEEE 802.11ac VHT80

Frequency (5775MHz)

Date: 2025-05-09

Environment: 24.8°C/42%RH/100.4kPa

Voltage:DC 12V

Test Engineer: Stone Zhang

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1325.6000	63.16	43.25	-19.91	74.00	30.75	100	86	Horizontal
2	2401.9500	60.18	44.81	-15.37	68.30	23.49	100	302	Horizontal
3	5068.9000	48.22	49.63	1.41	74.00	24.37	100	155	Horizontal
4	5904.9000	50.60	51.00	0.40	68.30	17.30	200	330	Horizontal
5	14674.2000	37.13	54.52	17.39	68.30	13.78	200	297	Horizontal
6	17991.9500	37.61	55.40	17.79	74.00	18.60	200	27	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5062.5918	1.41	36.17	37.58	54.00	16.42	122	194.9	Horizontal
2	17999.4103	17.79	27.26	45.05	54.00	8.95	187	234.8	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1301.9500	62.70	42.14	-20.56	74.00	31.86	100	314	Vertical
2	2397.5500	61.42	46.05	-15.37	68.30	22.25	100	355	Vertical
3	3972.7500	55.50	48.32	-7.18	74.00	25.68	200	343	Vertical
4	5060.1000	48.29	49.94	1.65	74.00	24.06	200	102	Vertical
5	14950.2000	37.17	55.03	17.86	68.30	13.27	100	97	Vertical
6	17997.7000	38.11	56.17	18.06	74.00	17.83	100	163	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3976.6021	-7.18	41.58	34.40	54.00	19.60	180	336.9	Vertical
2	5047.9078	1.65	36.43	38.08	54.00	15.92	103	38.2	Vertical
3	17999.8015	18.06	27.49	45.55	54.00	8.45	154	345.2	Vertical

18GHz-40GHz:

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

Note: Pre-scan all modes, only the worst case (IEEE 802.11n HT40_5755MHz) is recorded in this report.

Mode: IEEE 802.11n HT40

Frequency (5755MHz)

Environment: 24.8°C/42%RH/100.4kPa

Test Engineer: Stone Zhang

Test Date: 2025-05-09

Power supply: DC 12V

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Level for 1m [dBμV/m]	Level for 3m [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	18896.5000	47.64	50.66	41.12	3.02	74	32.88	100	254	Horizontal
2	22184.4000	45.74	49.19	39.65	3.45	74	34.35	200	24	Horizontal
3	23805.8000	43.05	47.75	38.21	4.70	74	35.79	100	5	Horizontal
4	31350.7000	43.36	50.86	41.32	7.50	74	32.68	100	172	Horizontal
5	34694.7000	45.21	54.08	44.54	8.87	74	29.46	100	67	Horizontal
6	39635.9000	41.14	57.22	47.68	16.08	74	26.32	100	150	Horizontal

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Level for 1m [dBμV/m]	Level for 3m [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	19453.1000	47.51	51.23	41.69	3.72	74	32.31	100	40	Vertical
2	22879.6000	44.15	49.02	39.48	4.87	74	34.52	100	360	Vertical
3	23859.7000	43.54	48.85	39.31	5.31	74	34.69	100	145	Vertical
4	31971.1000	44.08	51.07	41.53	6.99	74	32.47	200	291	Vertical
5	36364.5000	42.42	53.01	43.47	10.59	74	30.53	100	229	Vertical
6	39475.3000	41.39	56.86	47.32	15.47	74	26.68	100	19	Vertical

Remark:

- 1 Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2 Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 3 Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4 Above 18G test distance is 1m, so the Level for 3m= Level for 1m + 20*log(1/3)

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
1 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.25 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(2)
13.36 - 13.41	--	--	--

For FCC transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 ~ 0.490	2400/F (kHz)	300
0.490 ~ 1.705	24000/F (kHz)	30
1.705 ~ 30	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

7.7.2. Test Setting

- a) The EUT is placed on a turntable, which is 1.5m above the ground plane.
- b) The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- c) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- d) Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - a) PEAK Measurement: RBW=1MHz / VBW=3MHz / Sweep=AUTO
 - b) AVERAGE Measurement: RBW=1MHz, Sweep=AUTO, There are two cases of VBW.
If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW=10Hz. If the EUT duty cycle is $< 98\%$, set $\text{VBW} \geq 1/T$, Where T is defined in section 2.5.
- e) Repeat the procedures until all the PEAK and AVERAGE versus polarization are measured.

7.7.3. Test Result

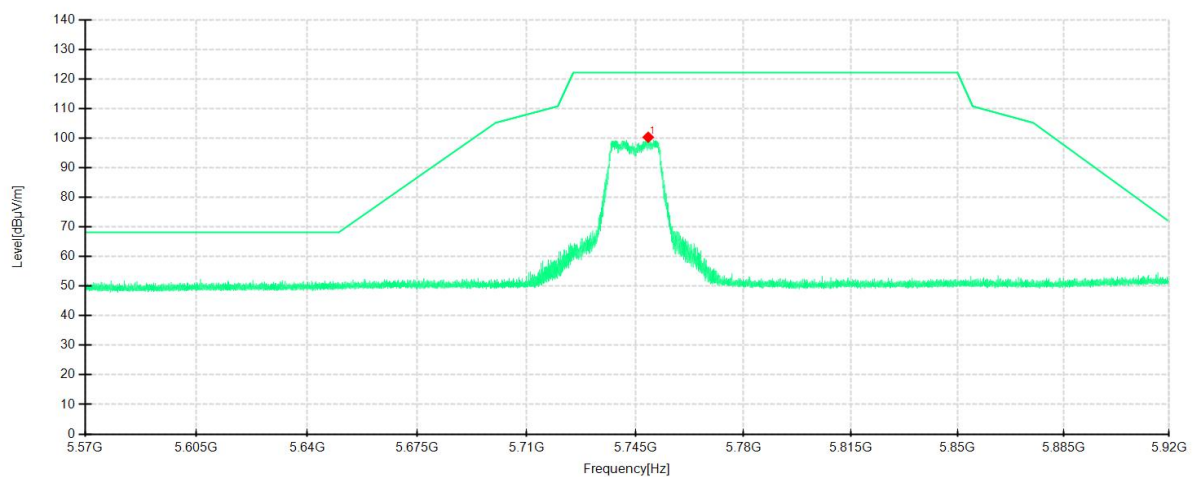
Project Information			
EUT:	MONITOR WITH RECEIVER	Model:	KW-Z900W
Test Date:	2025-03-31	Voltage:	DC 12V
Environment:	Temp: 17.6°C; Humi:29%	Engineer:	Stone Zhang

IEEE 802.11a mode

Frequency 5745MHz

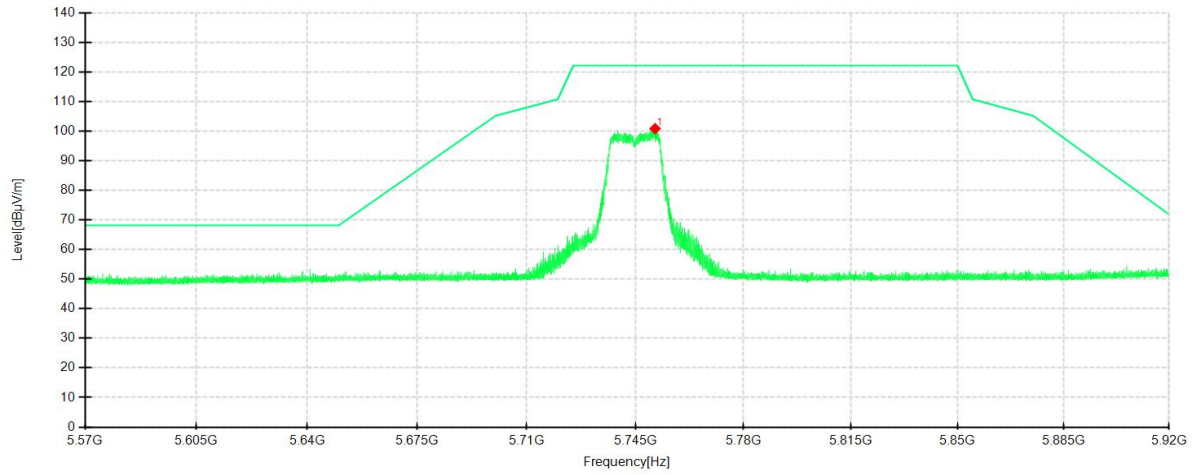
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



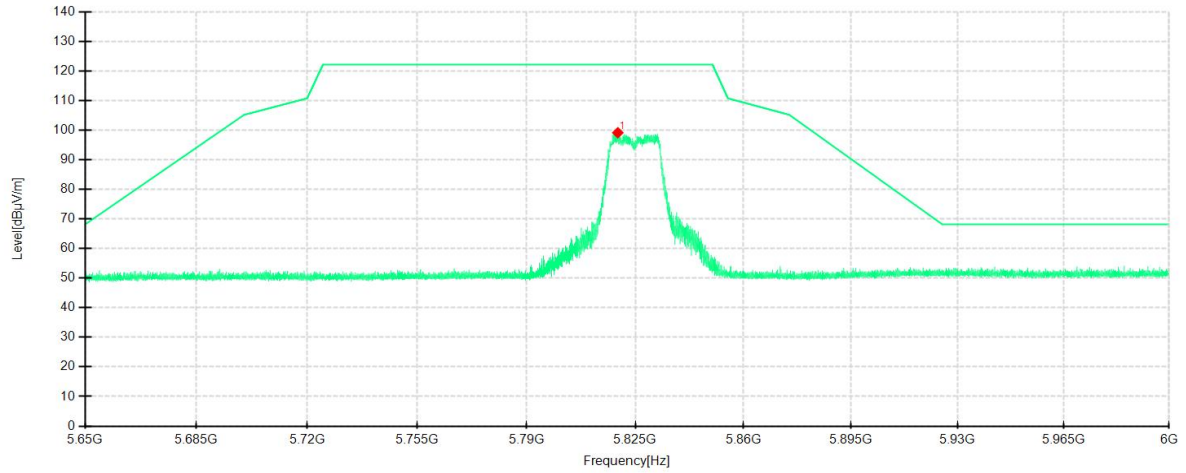
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5749.1475	92.52	100.33	7.81	122.20	21.87	200	324	Horizontal	/
1	5751.3700	92.97	100.87	7.90	122.20	21.33	200	342	Vertical	/

IEEE 802.11a mode

Frequency 5825MHz

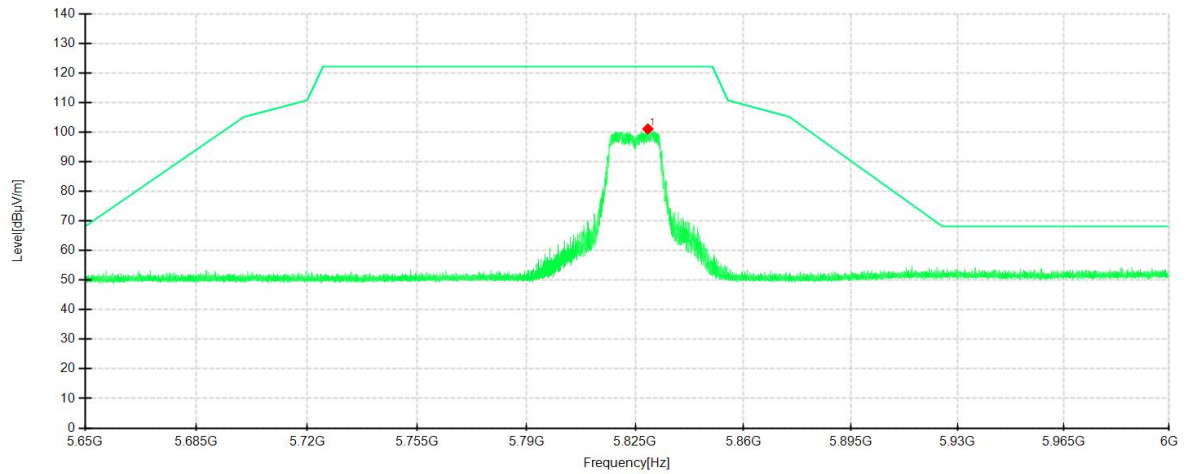
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



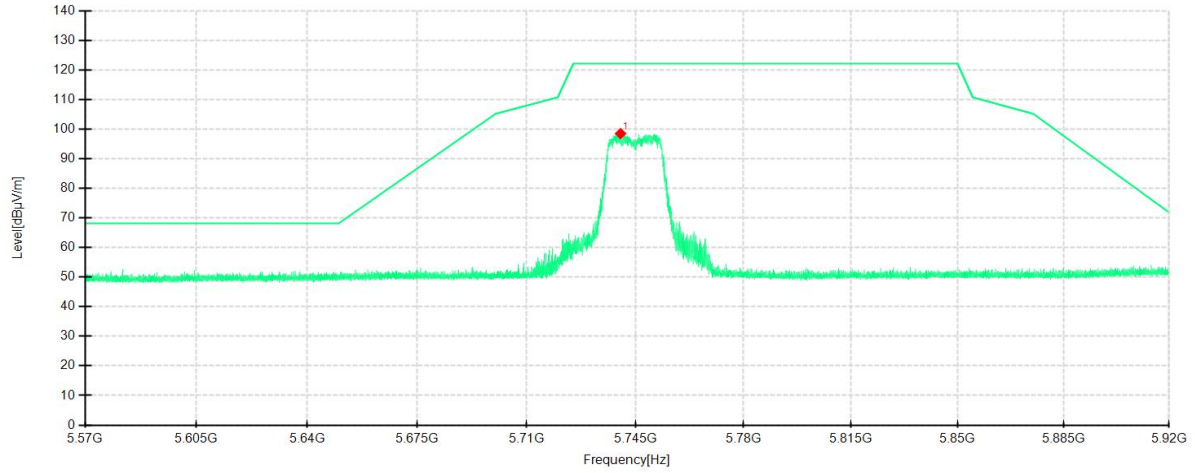
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5819.3825	91.40	99.16	7.76	122.20	23.04	200	325	Horizontal	/
1	5829.0950	93.35	101.09	7.74	122.20	21.11	200	344	Vertical	/

IEEE 802.11n HT20 mode

Frequency 5745MHz

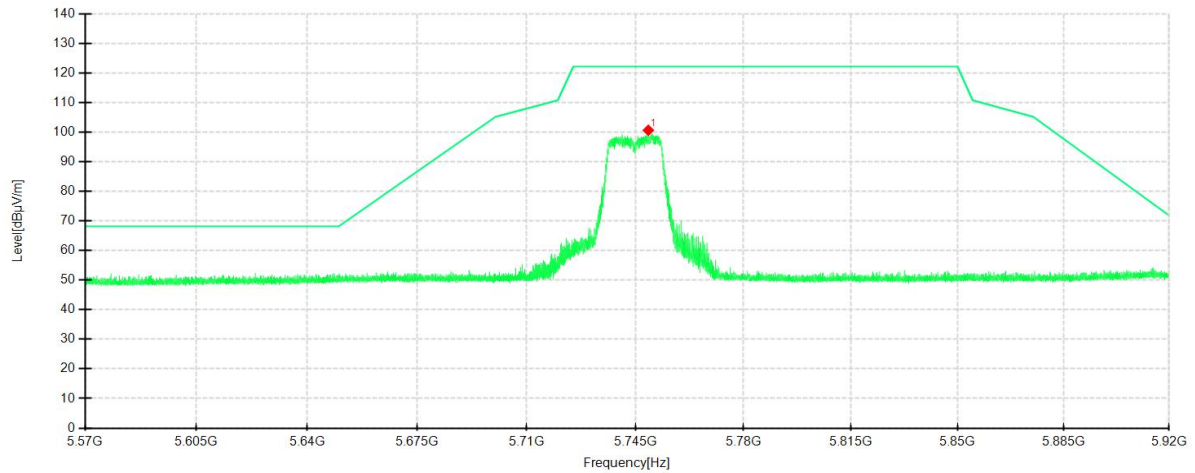
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



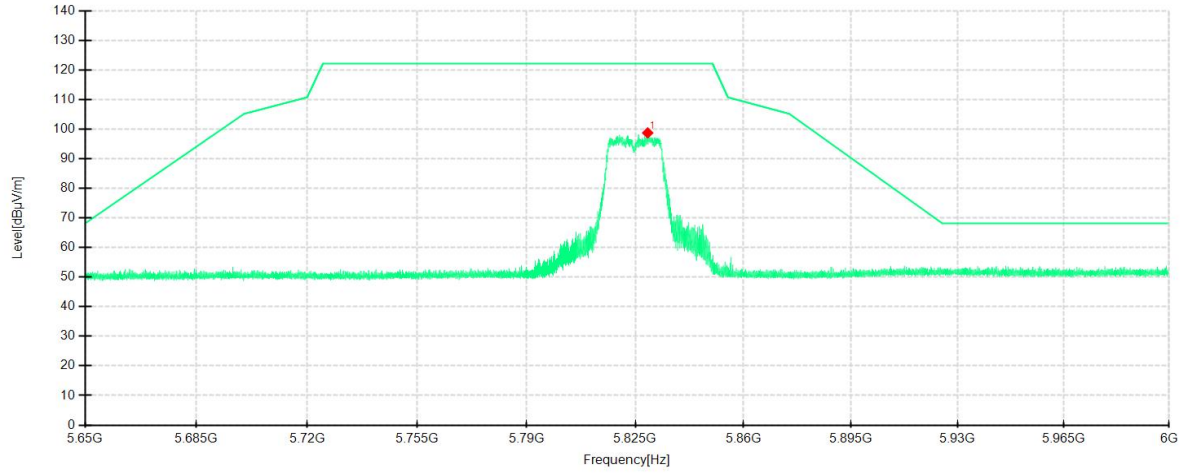
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5740.2225	90.75	98.51	7.76	122.20	23.69	200	323	Horizontal	/
1	5749.2000	92.76	100.67	7.91	122.20	21.53	200	344	Vertical	/

IEEE 802.11n HT20 mode

Frequency 5825MHz

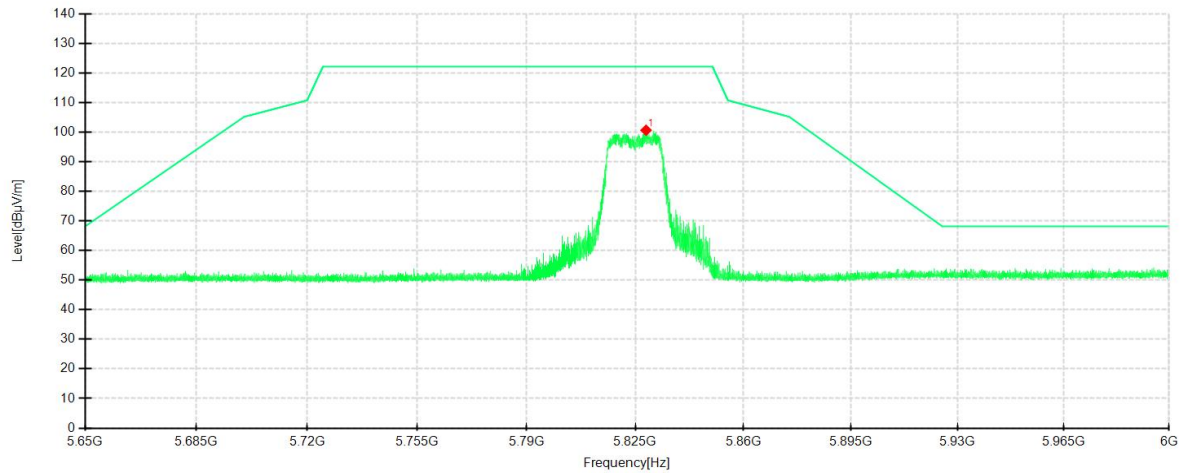
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



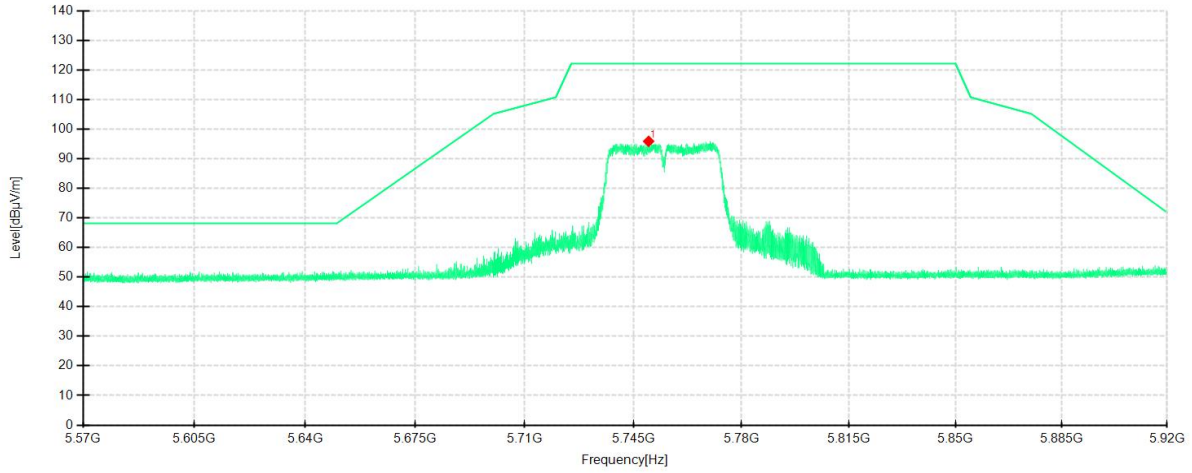
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5829.0250	90.96	98.76	7.80	122.20	23.44	200	339	Horizontal	/
1	5828.5000	92.94	100.68	7.74	122.20	21.52	200	343	Vertical	/

IEEE 802.11n HT40 mode

Frequency 5755MHz

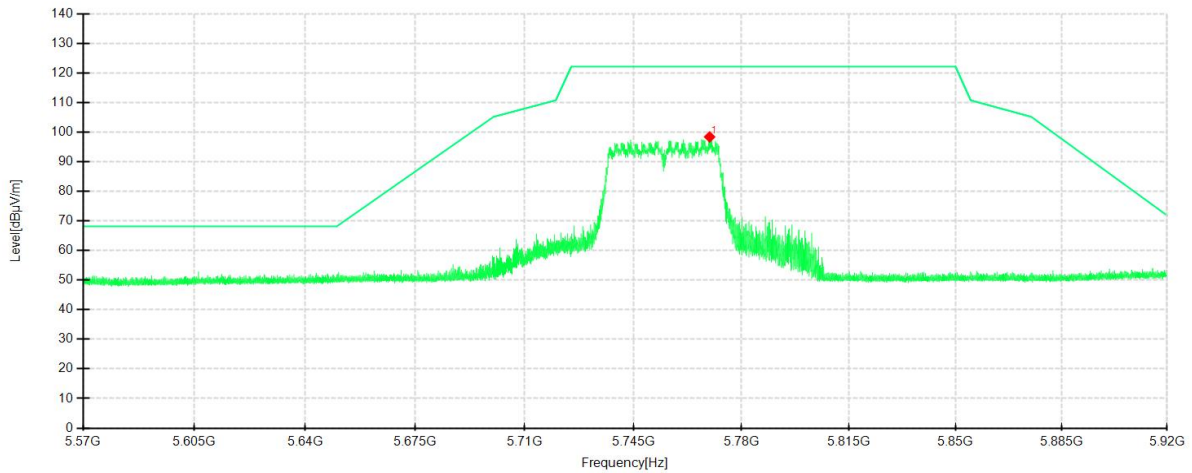
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



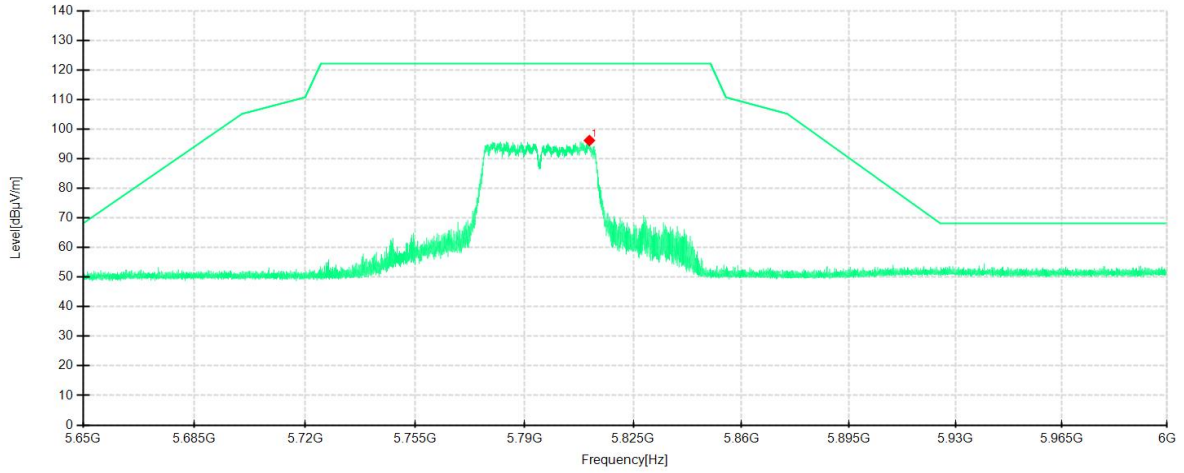
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5749.9350	88.11	95.92	7.81	122.20	26.28	200	324	Horizontal	/
1	5769.6925	90.60	98.42	7.82	122.20	23.78	200	344	Vertical	/

IEEE 802.11n HT40 mode

Frequency 5795MHz

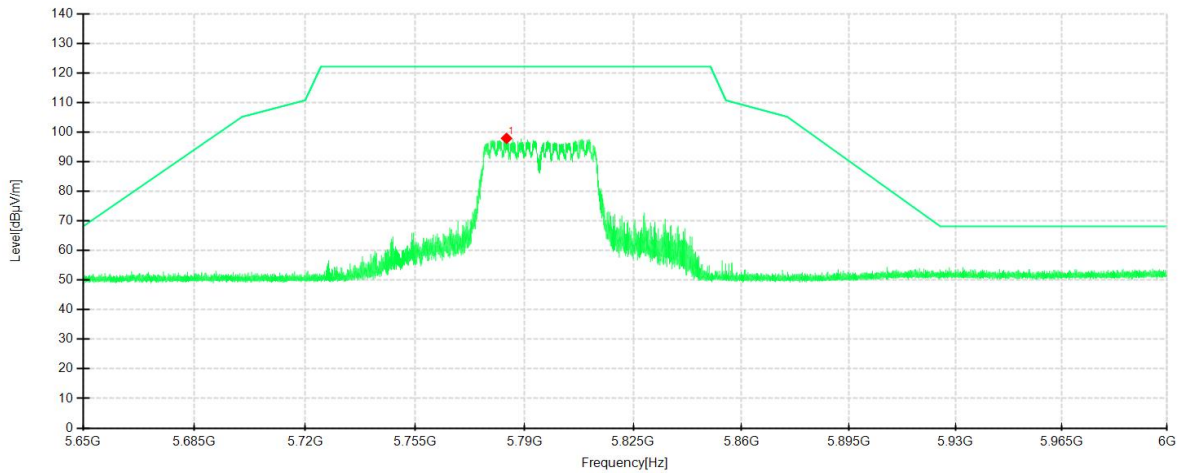
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



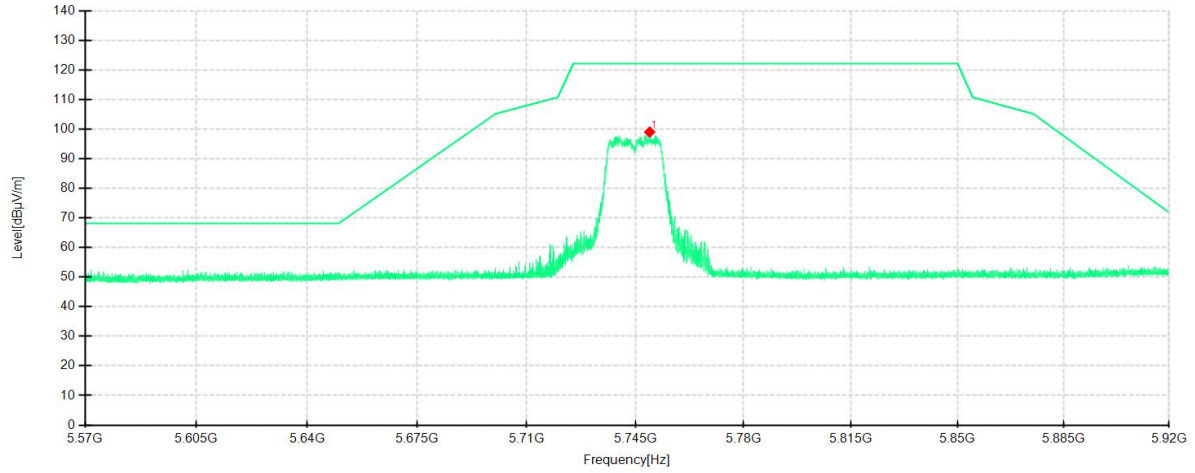
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5810.8600	88.48	96.19	7.71	122.20	26.01	200	340	Horizontal	/
1	5784.2250	90.18	97.93	7.75	122.20	24.27	200	343	Vertical	/

IEEE 802.11ac VHT20 mode

Frequency 5745MHz

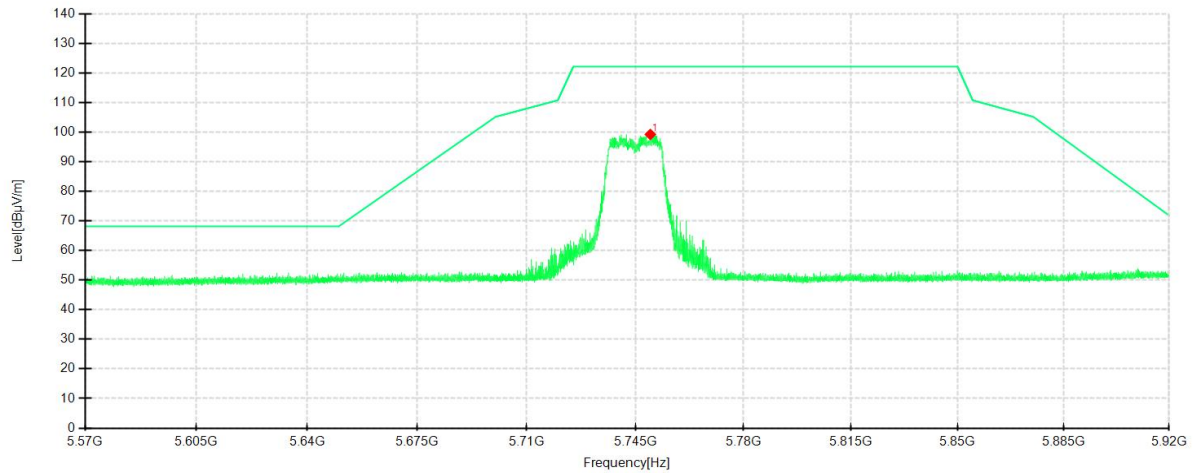
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



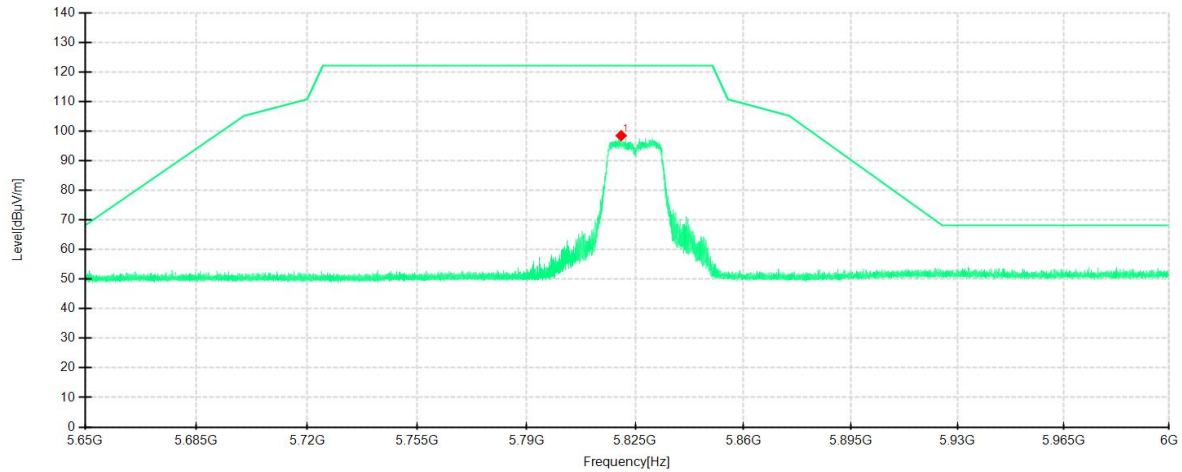
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5749.6200	91.24	99.05	7.81	122.20	23.15	200	323	Horizontal	/
1	5749.8475	91.34	99.25	7.91	122.20	22.95	200	344	Vertical	/

IEEE 802.11ac VHT20 mode

Frequency 5825MHz

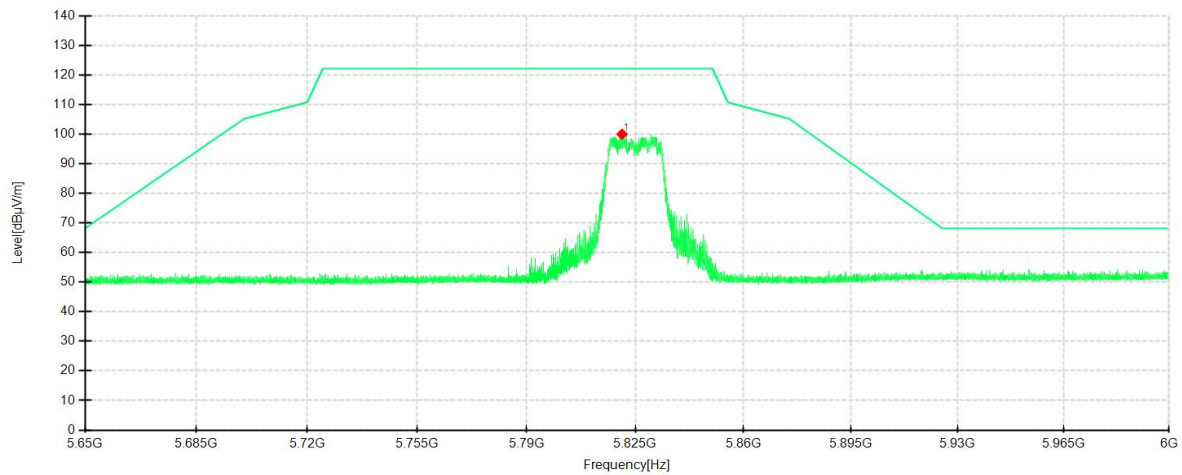
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



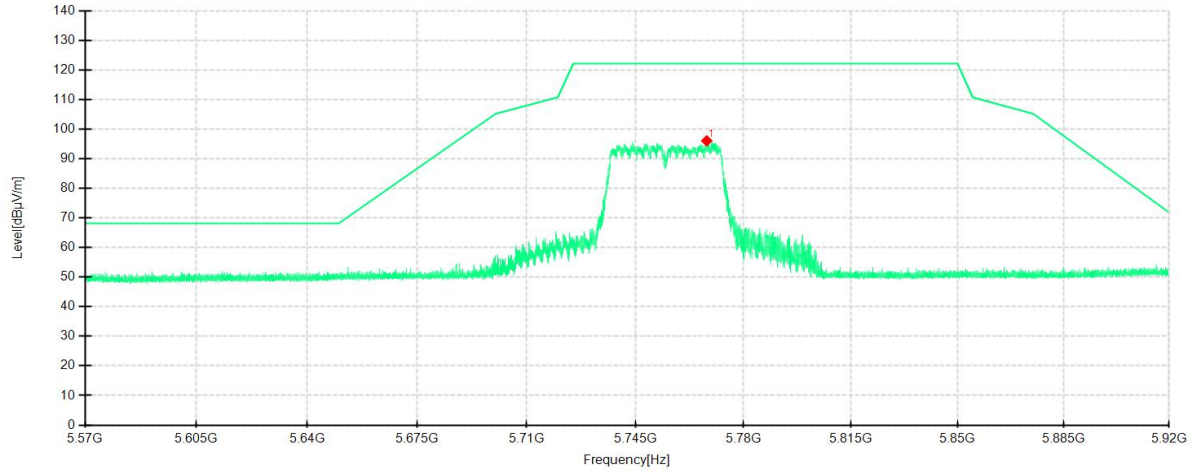
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5820.4675	90.73	98.49	7.76	122.20	23.71	200	341	Horizontal	/
1	5820.7475	92.28	100.00	7.72	122.20	22.20	200	344	Vertical	/

IEEE 802.11ac VHT40 mode

Frequency 5755MHz

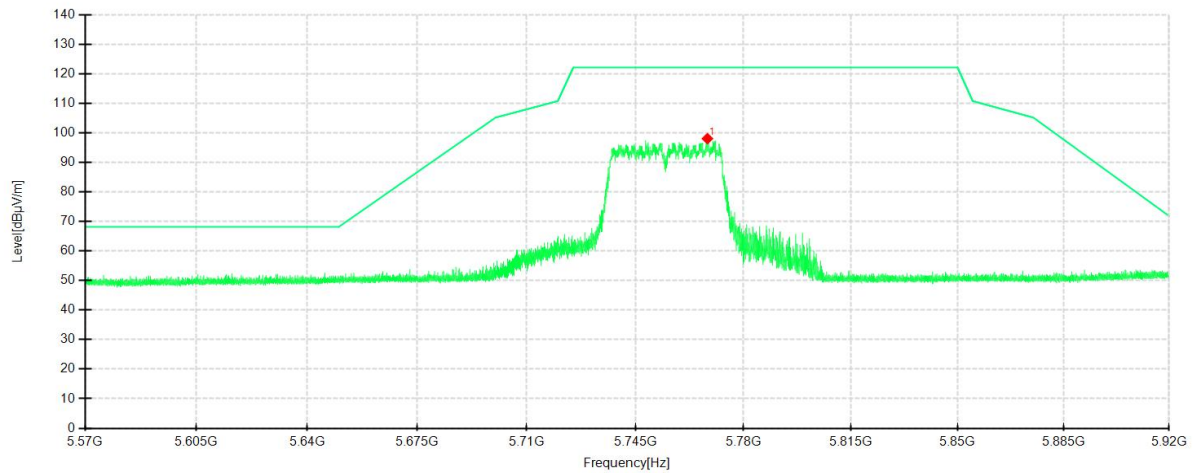
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



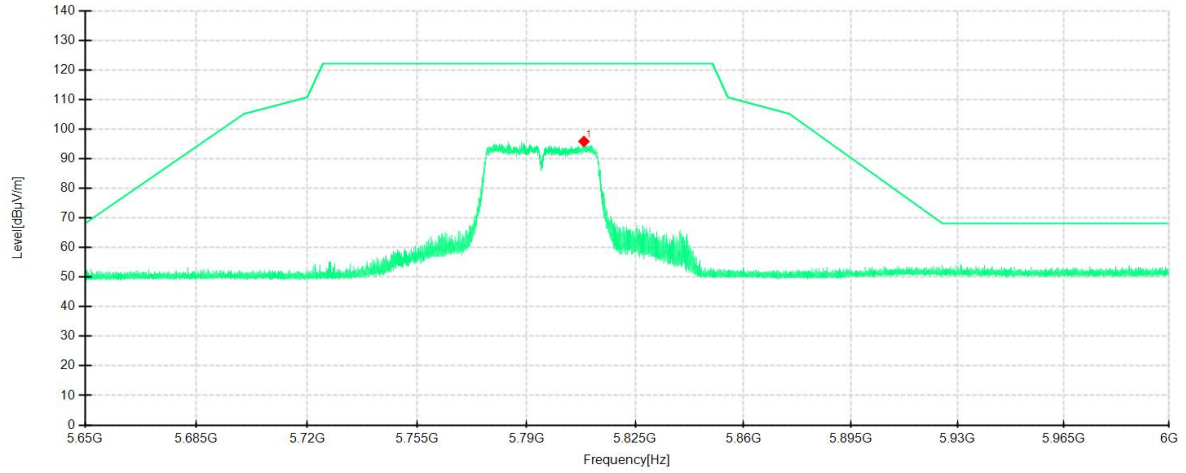
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5768.1000	88.32	96.08	7.76	122.20	26.12	200	338	Horizontal	/
1	5768.3275	90.25	98.07	7.82	122.20	24.13	200	344	Vertical	/

IEEE 802.11ac VHT40 mode

Frequency 5795MHz

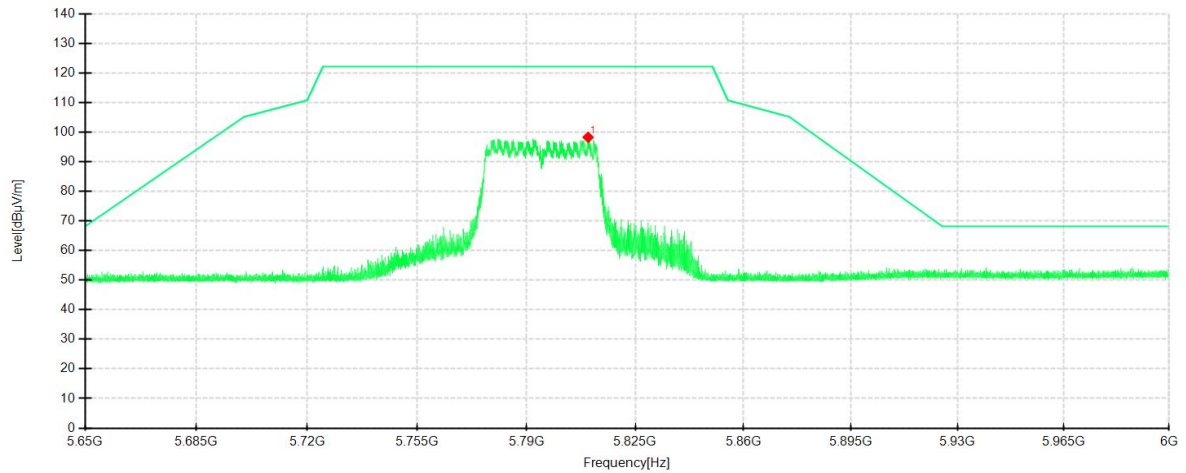
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



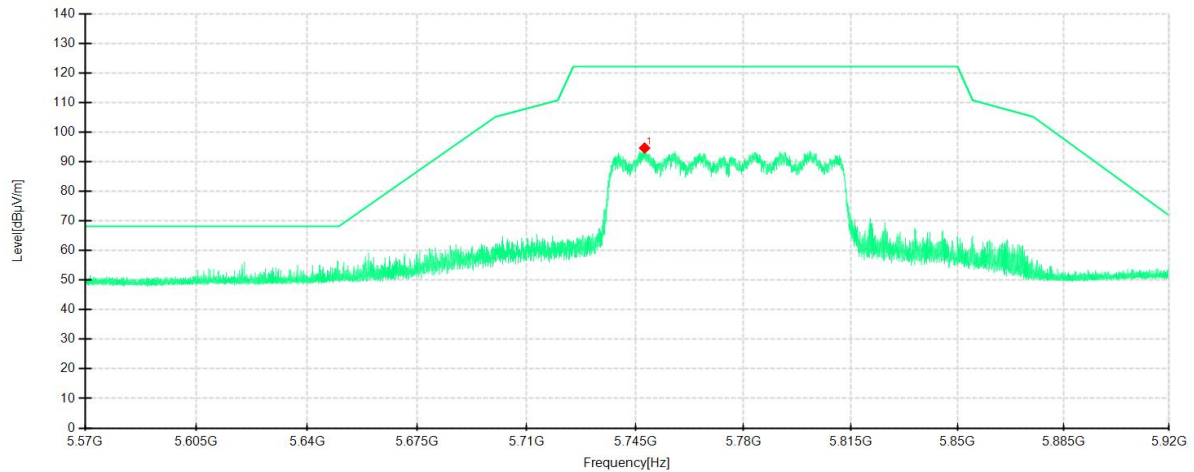
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5808.4625	88.17	95.87	7.70	122.20	26.33	200	341	Horizontal	/
1	5809.7925	90.59	98.28	7.69	122.20	23.92	200	346	Vertical	/

IEEE 802.11ac VHT80 mode

Frequency 5775MHz

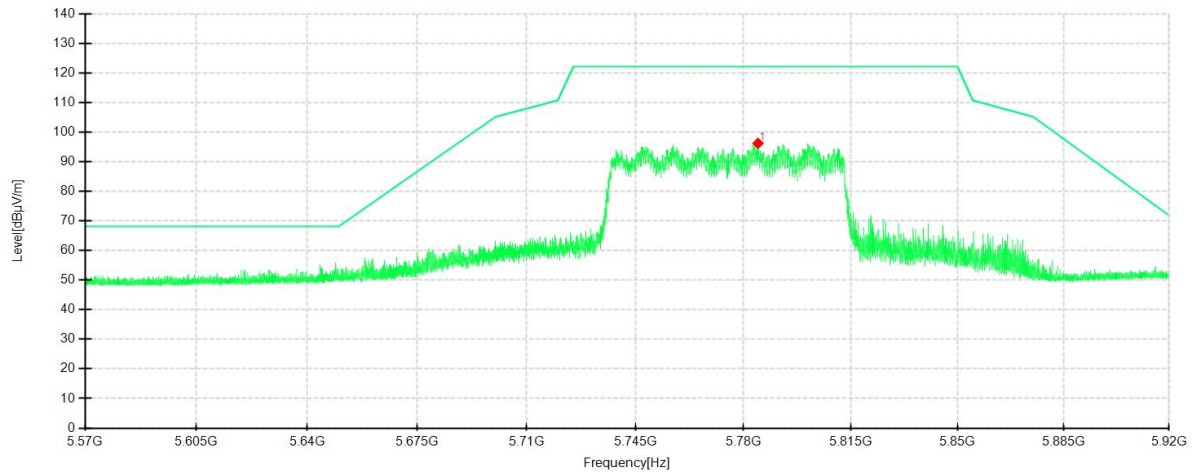
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5747.9925	86.86	94.66	7.80	122.20	27.54	200	322	Horizontal	/
1	5784.7600	88.52	96.26	7.74	122.20	25.94	200	343	Vertical	/

Remark: Max field strength in 3m distance. No any other emission which falls in restricted bands can be detected and be reported.

7.8. AC Conducted Emissions Measurement

7.8.1. Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 ~ 0.50	66 ~ 56	56 ~ 46
0.50 ~ 5.0	56	46
5.0 ~ 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

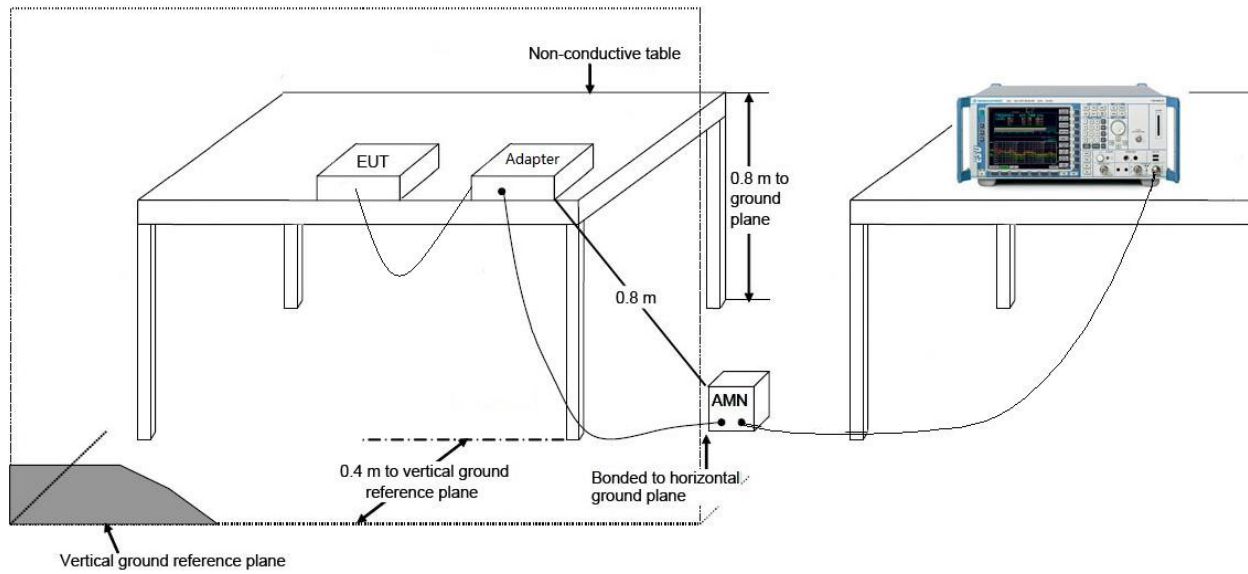
7.8.2. Test Procedure

The EUT was setup according to ANSI C63.4: 2014 and tested according to ANSI C63.10:2013 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

7.8.3. Test Setup



7.8.4. Test Result

Note: Test is not applicable to this Equipment. This EUT is no AC mains power ports.

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **MONITOR WITH RECEIVER** is in compliance with Part 15E of the FCC Rules.

Statement

1. This report is invalid for the following states: without the special inspection and testing stamp or the official stamp of our institution; without the signature of the report authorized officer; if the report is altered.
2. It is forbidden to copy partial contents of the report except in full without the approval of our institution.
3. The client shall provide the test sample(s) and commission information and be responsible for their authenticity.
4. The report content is only applicable to the tested sample(s) this time.
5. If there are any objections to the report content, please submit them to our company in writing within 15 days from the date of receiving the report.
6. If the reports include both Chinese and English versions, when there are any inconsistencies caused by language, the Chinese version shall prevail.
7. This report is issued by the following laboratory premises:
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