

5.8.2 Transmitter emission above 1GHz

Test mode:		802.11n20(6.5Mbps)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
10360.000	53.04	2.42	55.46	74	-18.54	peak	H
10360.000	43.98	2.42	46.40	54	-7.60	AVG	H
15540.000	52.32	3.92	56.24	74	-17.76	peak	H
15540.000	39.21	3.92	43.13	54	-10.87	AVG	H
10360.000	54.34	2.42	56.76	74	-17.24	peak	V
10360.000	41.95	2.42	44.37	54	-9.63	AVG	V
15540.000	50.61	3.92	54.53	74	-19.47	peak	V
15540.000	40.89	3.92	44.81	54	-9.19	AVG	V

Test mode:		802.11n20(6.5Mbps)		Test channel:		40	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
10440.000	54.37	2.23	56.60	74	-17.40	peak	H
10440.000	41.74	2.23	43.97	54	-10.03	AVG	H
15660.000	52.66	3.75	56.41	74	-17.59	peak	H
15660.000	40.24	3.75	43.99	54	-10.01	AVG	H
10440.000	52.62	2.23	54.85	74	-19.15	peak	V
10440.000	43.99	2.23	46.22	54	-7.78	AVG	V
15660.000	52.28	3.75	56.03	74	-17.97	peak	V
15660.000	41.81	3.75	45.56	54	-8.44	AVG	V

Test mode:		802.11n20(6.5Mbps)		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
10480.000	54.35	2.31	56.66	74	-17.34	peak	H
10480.000	41.50	2.31	43.81	54	-10.19	AVG	H
15720.000	50.83	3.82	54.65	74	-19.35	peak	H
15720.000	39.07	3.82	42.89	54	-11.11	AVG	H
10480.000	54.82	2.31	57.13	74	-16.87	peak	V
10480.000	42.96	2.31	45.27	54	-8.73	AVG	V
15720.000	51.90	3.82	55.72	74	-18.28	peak	V
15720.000	39.52	3.82	43.34	54	-10.66	AVG	V

Test mode:		802.11n20(6.5Mbps)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
11490.000	52.54	2.42	54.96	74	-19.04	peak	H
11490.000	41.52	2.42	43.94	54	-10.06	AVG	H
17235.000	52.59	3.92	56.51	74	-17.49	peak	H
17235.000	40.20	3.92	44.12	54	-9.88	AVG	H
11490.000	54.61	2.42	57.03	74	-16.97	peak	V
11490.000	41.98	2.42	44.40	54	-9.60	AVG	V
17235.000	52.32	3.92	56.24	74	-17.76	peak	V
17235.000	41.24	3.92	45.16	54	-8.84	AVG	V

Test mode:		802.11n20(6.5Mbps)		Test channel:		157	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
11570.000	54.93	2.47	57.40	74	-16.60	peak	H
11570.000	42.68	2.47	45.15	54	-8.85	AVG	H
17355.000	50.03	3.96	53.99	74	-20.01	peak	H
17355.000	39.74	3.96	43.70	54	-10.30	AVG	H
11570.000	54.62	2.47	57.09	74	-16.91	peak	V
11570.000	42.98	2.47	45.45	54	-8.55	AVG	V
17355.000	50.19	3.96	54.15	74	-19.85	peak	V
17355.000	40.73	3.96	44.69	54	-9.31	AVG	V

Test mode:		802.11n20(6.5Mbps)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
11650.000	53.20	2.55	55.75	74	-18.25	peak	H
11650.000	43.42	2.55	45.97	54	-8.03	AVG	H
17475.000	50.45	4.01	54.46	74	-19.54	peak	H
17475.000	40.85	4.01	44.86	54	-9.14	AVG	H
11650.000	52.58	2.55	55.13	74	-18.87	peak	V
11650.000	41.39	2.55	43.94	54	-10.06	AVG	V
17475.000	51.79	4.01	55.80	74	-18.20	peak	V
17475.000	39.10	4.01	43.11	54	-10.89	AVG	V

Test mode:		802.11ac20(6.5Mbps)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
10360.000	52.63	2.13	54.76	74	-19.24	peak	H
10360.000	42.13	2.13	44.26	54	-9.74	AVG	H
15540.000	50.94	3.62	54.56	74	-19.44	peak	H
15540.000	39.91	3.62	43.53	54	-10.47	AVG	H
10360.000	53.48	2.13	55.61	74	-18.39	peak	V
10360.000	41.34	2.13	43.47	54	-10.53	AVG	V
15540.000	52.17	3.62	55.79	74	-18.21	peak	V
15540.000	40.39	3.62	44.01	54	-9.99	AVG	V

Test mode:		802.11ac20(6.5Mbps)		Test channel:		40	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
10440.000	54.34	2.23	56.57	74	-17.43	peak	H
10440.000	42.12	2.23	44.35	54	-9.65	AVG	H
15660.000	52.49	3.75	56.24	74	-17.76	peak	H
15660.000	39.24	3.75	42.99	54	-11.01	AVG	H
10440.000	54.69	2.23	56.92	74	-17.08	peak	V
10440.000	42.40	2.23	44.63	54	-9.37	AVG	V
15660.000	52.95	3.75	56.70	74	-17.30	peak	V
15660.000	41.11	3.75	44.86	54	-9.14	AVG	V

Test mode:		802.11ac20(6.5Mbps)		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
10480.000	52.13	2.31	54.44	74	-19.56	peak	H
10480.000	43.29	2.31	45.60	54	-8.40	AVG	H
15720.000	52.71	3.82	56.53	74	-17.47	peak	H
15720.000	40.43	3.82	44.25	54	-9.75	AVG	H
10480.000	53.11	2.31	55.42	74	-18.58	peak	V
10480.000	42.45	2.31	44.76	54	-9.24	AVG	V
15720.000	52.02	3.82	55.84	74	-18.16	peak	V
15720.000	39.69	3.82	43.51	54	-10.49	AVG	V

Test mode:		802.11ac20(6.5Mbps)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
11490.000	53.85	2.42	56.27	74	-17.73	peak	H
11490.000	42.89	2.42	45.31	54	-8.69	AVG	H
17235.000	52.34	3.92	56.26	74	-17.74	peak	H
17235.000	40.11	3.92	44.03	54	-9.97	AVG	H
11490.000	52.77	2.42	55.19	74	-18.81	peak	V
11490.000	43.59	2.42	46.01	54	-7.99	AVG	V
17235.000	52.88	3.92	56.80	74	-17.20	peak	V
17235.000	41.54	3.92	45.46	54	-8.54	AVG	V

Test mode:		802.11ac20(6.5Mbps)		Test channel:		157	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
11570.000	52.99	2.47	55.46	74	-18.54	peak	H
11570.000	43.47	2.47	45.94	54	-8.06	AVG	H
17355.000	52.77	3.96	56.73	74	-17.27	peak	H
17355.000	41.50	3.96	45.46	54	-8.54	AVG	H
11570.000	52.60	2.47	55.07	74	-18.93	peak	V
11570.000	41.09	2.47	43.56	54	-10.44	AVG	V
17355.000	52.64	3.96	56.60	74	-17.40	peak	V
17355.000	41.92	3.96	45.88	54	-8.12	AVG	V

Test mode:		802.11ac20(6.5Mbps)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
11650.000	52.53	2.55	55.08	74	-18.92	peak	H
11650.000	41.65	2.55	44.20	54	-9.80	AVG	H
17475.000	50.07	4.01	54.08	74	-19.92	peak	H
17475.000	41.28	4.01	45.29	54	-8.71	AVG	H
11650.000	54.96	2.55	57.51	74	-16.49	peak	V
11650.000	41.81	2.55	44.36	54	-9.64	AVG	V
17475.000	51.85	4.01	55.86	74	-18.14	peak	V
17475.000	40.98	4.01	44.99	54	-9.01	AVG	V

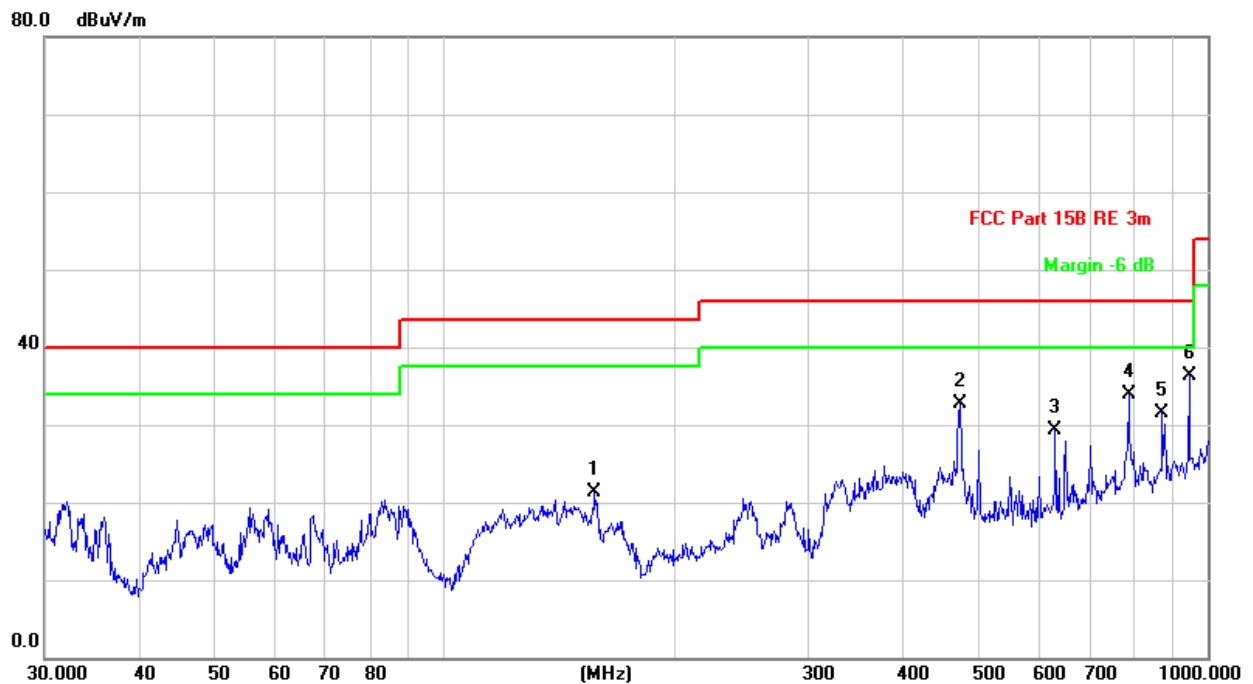
Remark:

- 1) The 6.5Mbps of rate of 802.11n is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 40GHz, The disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

Simultaneous Tx Radiated Spurious Emissions Measurements

Description	2.4 GHz Emission	5 GHz Emission
Channel	1	38
Operating Frequency (MHz)	2412	5190
Data Rate (Mbps)	DSSS/1Mbps	OFDM/13.5Mbps
Mode	2.4GWIFI-802.11b	UNII-AC40

30MHz~1GHz		
Test mode:	Transmitting (802.11b- 2412MHz & UNII-AC40-5190MHz)	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		157.5588	34.19	-12.87	21.32	43.50	-18.68	QP		
2		473.8347	39.78	-7.06	32.72	46.00	-14.28	QP		
3		631.6884	33.45	-4.23	29.22	46.00	-17.78	QP		
4		787.8513	35.66	-1.80	33.86	46.00	-13.14	QP		
5		872.1832	32.35	-0.78	31.57	46.00	-15.43	QP		
6	*	945.4399	35.98	0.27	36.25	46.00	-10.75	QP		

Remark:

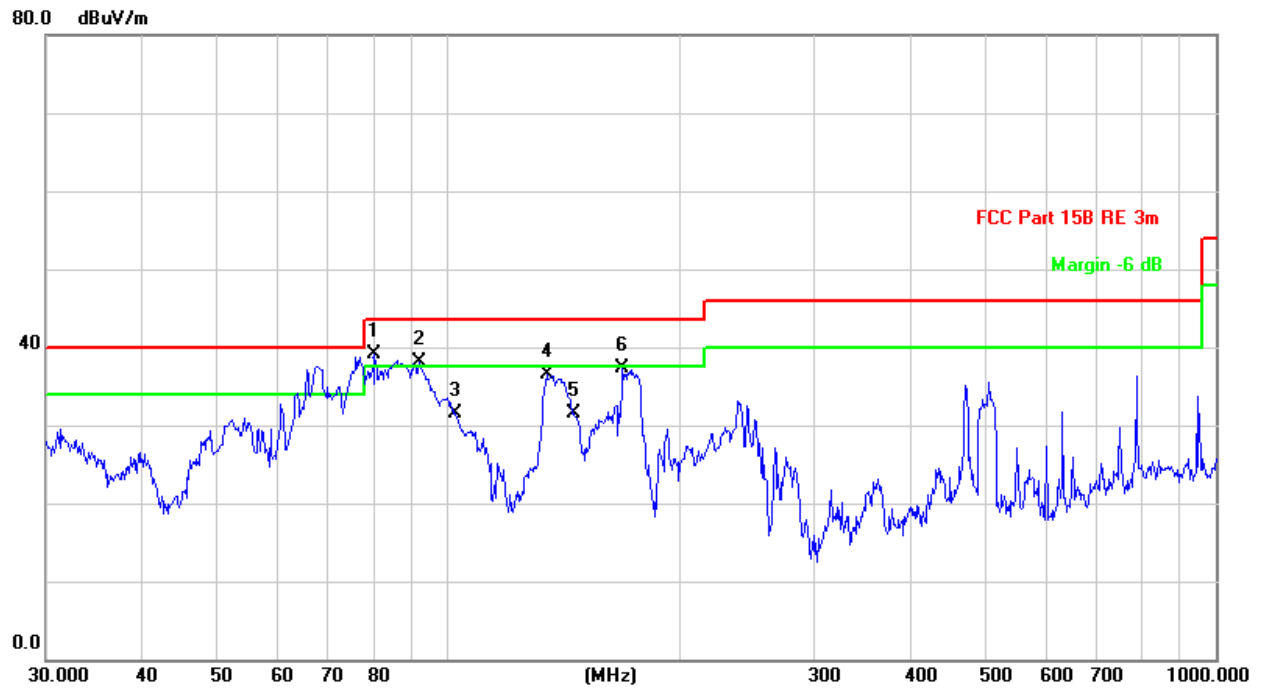
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

Test mode:	Transmitting (802.11b- 2412MHz & UNII-AC40-5190MHz)	Vertical
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	80.3619	58.34	-18.84	39.50	43.50	-4.00	QP		
2	!	91.8163	55.10	-16.93	38.17	43.50	-5.33	QP		
3		102.3597	46.15	-14.56	31.59	43.50	-11.91	QP		
4	!	134.5592	49.13	-12.61	36.52	43.50	-6.98	QP		
5		145.8611	44.29	-12.78	31.51	43.50	-11.99	QP		
6	!	169.0054	50.81	-13.56	37.25	43.50	-6.25	QP		

Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

Above 1GHz

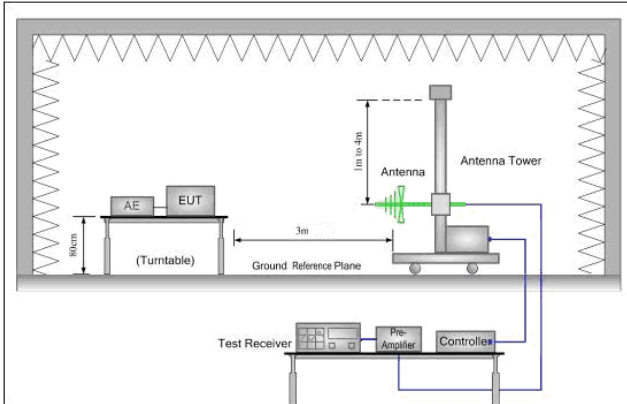
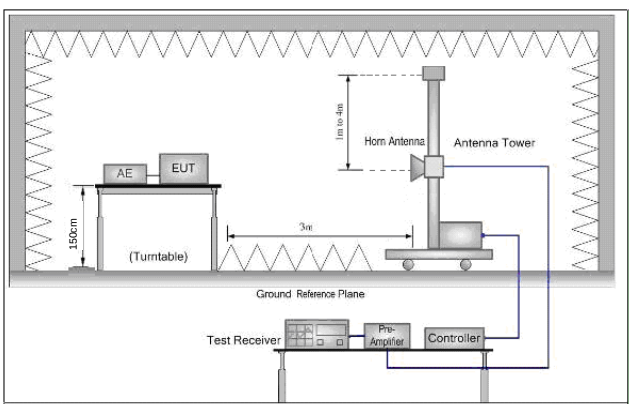
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
4824	53.29	-4.26	49.03	74	-24.97	PK	H
4824	37.60	-4.26	33.34	54	-20.66	AV	H
7236	52.20	1.18	53.38	74	-20.62	PK	H
7236	37.49	1.18	38.67	54	-15.33	AV	H
10360.000	51.26	2.13	53.39	74	-20.61	peak	H
10360.000	41.38	2.13	43.51	54	-10.49	AVG	H
15540.000	54.55	3.62	58.17	74	-15.83	peak	H
15540.000	43.80	3.62	47.42	54	-6.58	AVG	H
4824	54.57	-4.26	50.31	74	-23.69	PK	V
4824	39.88	-4.26	35.62	54	-18.38	AV	V
7236	50.85	1.18	52.03	74	-21.97	PK	V
7236	36.39	1.18	37.57	54	-16.43	AV	V
10360.000	50.70	2.13	52.83	74	-21.17	peak	V
10360.000	40.05	2.13	42.18	54	-11.82	AVG	V
15540.000	52.31	3.62	55.93	74	-18.07	peak	V
15540.000	43.47	3.62	47.09	54	-6.91	AVG	V

Remark:

- 1) Scan from 9kHz to 40GHz, The disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

5.9 Restricted bands around fundamental frequency

Test Requirement:	FCC 47 CFR Part 15 Subpart E Section 15.407 (b)(1)(2)(3)(4)(6) FCC 47 CFR Part 15 Subpart C Section 15.209/205		
Test Method:	KDB 789033 D02 v02r01 Section G.3, G.4, G.5, and G.6		
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)		
Limit:	Applicable To	Limit	
	789033 D02 General U-NII Test Procedures New Rules v02r01	Field Strength at 3 m	
		PK: 74 (dBμV/m)	AV: 54 (dBμV/m)
	Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
	FCC 47 CFR Part 15 Subpart E Section 6.2.1.2	PK: -27 (dBm/MHz)	PK: 74 (dBμV/m)
	FCC 47 CFR Part 15 Subpart E Section 6.2.2.2	PK: -27 (dBm/MHz)	PK: 74 (dBμV/m)
	FCC 47 CFR Part 15 Subpart E Section 6.2.3.2	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
	FCC 47 CFR Part 15 Subpart E Section 6.2.4.2	27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;	PK: 68.2 (dBμV/m)
		15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;	
		10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges;	
-27 dBm/MHz at			

		frequencies more than 75 MHz above or below the band edges.	
Test Setup:			
			
	Figure 1. 30MHz to 1GHz	Figure 2. Above 1 GHz	
Test Procedure:	a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. Note: For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel g. Test the EUT in the lowest channel , the Highest channel h. Repeat above procedures until all frequencies measured was complete.		

Exploratory Mode:	Test	Transmitting with all kind of modulations, data rates. Transmitting mode.
Final Test Mode:		Pretest the EUT at Transmitting mode, found the Transmitting mode which it is worse case Through Pre-scan, find 6.5Mbps of rate is the worst case of 802.11n(HT20) ; 13.5Mbps of rate is the worst case of 802.11n(HT40); 6.5Mbps of rate is the worst case of 802.11ac(VHT20) ; 13.5Mbps of rate is the worst case of 802.11ac(VHT40); Only the worst case is recorded in the report.
Test Results:		Pass

Test data:

Worse case mode:		802.11n(HT20)(6.5Mbps)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	53.71	-3.63	50.08	74	-23.92	peak	H
5150.00	41.62	-3.63	37.99	54	-16.01	AVG	H
5150.00	50.25	-3.63	46.62	74	-27.38	peak	V
5150.00	40.31	-3.63	36.68	54	-17.32	AVG	V

Worse case mode:		802.11n(HT20)(6.5Mbps)		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	53.78	-3.59	50.19	74	-23.81	peak	H
5350.00	41.56	-3.59	37.97	54	-16.03	AVG	H
5350.00	52.88	-3.59	49.29	74	-24.71	peak	V
5350.00	40.96	-3.59	37.37	54	-16.63	AVG	V

Worse case mode:		802.11n(HT20)(6.5Mbps)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650.00	53.86	-3.46	50.40	74	-23.60	peak	H
5751.09	42.15	-3.44	38.71	54	-15.29	peak	H
5650.00	50.45	-3.46	46.99	74	-27.01	peak	V
5744.27	41.94	-3.44	38.50	54	-15.50	peak	V

Worse case mode:		802.11n(HT20)(6.5Mbps)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5823.41	55.00	-3.42	51.58	74	-22.42	peak	H
5925.00	43.29	-3.41	39.88	54	-14.12	peak	H
5824.65	50.23	-3.42	46.81	74	-27.19	peak	V
5925.00	39.36	-3.41	35.95	54	-18.05	peak	V

Worse case mode:		802.11n(HT40)(13.5Mbps)		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	53.78	-3.63	50.15	74	-23.85	peak	H
5150.00	43.99	-3.63	40.36	54	-13.64	AVG	H
5150.00	51.12	-3.63	47.49	74	-26.51	peak	V
5150.00	41.01	-3.63	37.38	54	-16.62	AVG	V

Worse case mode:		802.11n(HT40)(13.5Mbps)		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	53.42	-3.59	49.83	74	-24.17	peak	H
5350.00	41.29	-3.59	37.70	54	-16.30	AVG	H
5350.00	50.45	-3.59	46.86	74	-27.14	peak	V
5350.00	41.65	-3.59	38.06	54	-15.94	AVG	V

Worse case mode:		802.11n(HT40)(13.5Mbps)		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650.00	54.64	-3.46	51.18	74	-22.82	peak	H
5762.61	43.02	-3.44	39.58	54	-14.42	peak	H
5650.00	50.95	-3.46	47.49	74	-26.51	peak	V
5741.70	40.68	-3.44	37.24	54	-16.76	peak	V

Worse case mode:		802.11n(HT40)(13.5Mbps)		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5743.60	54.99	-3.42	51.57	74	-22.43	peak	H
5925.00	43.92	-3.41	40.51	54	-13.49	peak	H
5779.52	50.24	-3.42	46.82	74	-27.18	peak	V
5925.00	41.68	-3.41	38.27	54	-15.73	peak	V

Worse case mode:		802.11ac(HT20)(6.5Mbps)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	52.22	-3.63	48.59	74	-25.41	peak	H
5150.00	43.13	-3.63	39.50	54	-14.50	AVG	H
5150.00	52.83	-3.63	49.20	74	-24.80	peak	V
5150.00	40.64	-3.63	37.01	54	-16.99	AVG	V

Worse case mode:		802.11ac(HT20)(6.5Mbps)		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	54.84	-3.59	51.25	74	-22.75	peak	H
5350.00	41.20	-3.59	37.61	54	-16.39	AVG	H
5350.00	51.80	-3.59	48.21	74	-25.79	peak	V
5350.00	40.39	-3.59	36.80	54	-17.20	AVG	V

Worse case mode:		802.11ac(HT20)(6.5Mbps)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650.00	52.35	-3.46	48.89	74	-25.11	peak	H
5743.54	41.89	-3.44	38.45	54	-15.55	peak	H
5650.00	50.66	-3.46	47.20	74	-26.80	peak	V
5739.28	41.73	-3.44	38.29	54	-15.71	peak	V

Worse case mode:		802.11ac(HT20)(6.5Mbps)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5831.03	53.91	-3.42	50.49	74	-23.51	peak	H
5925.00	43.22	-3.41	39.81	54	-14.19	peak	H
5825.11	53.00	-3.42	49.58	74	-24.42	peak	V
5925.00	40.27	-3.41	36.86	54	-17.14	peak	V

Worse case mode:		802.11ac(VHT40)(13.5Mbps)		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	53.92	-3.63	50.29	74	-23.71	peak	H
5150.00	43.41	-3.63	39.78	54	-14.22	AVG	H
5150.00	51.64	-3.63	48.01	74	-25.99	peak	V
5150.00	40.93	-3.63	37.30	54	-16.70	AVG	V

Worse case mode:		802.11ac(VHT40)(13.5Mbps)		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	53.77	-3.59	50.18	74	-23.82	peak	H
5350.00	43.00	-3.59	39.41	54	-14.59	AVG	H
5350.00	50.42	-3.59	46.83	74	-27.17	peak	V
5350.00	41.55	-3.59	37.96	54	-16.04	AVG	V

Worse case mode:		802.11ac(VHT40)(13.5Mbps)		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5650.00	53.74	-3.46	50.28	74	-23.72	peak	H
5751.19	42.72	-3.44	39.28	54	-14.72	peak	H
5650.00	50.27	-3.46	46.81	74	-27.19	peak	V
5741.72	41.49	-3.44	38.05	54	-15.95	peak	V

Worse case mode:		802.11ac(VHT40)(13.5Mbps)		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5771.12	53.29	-3.42	49.87	74	-24.13	peak	H
5925.00	41.97	-3.41	38.56	54	-15.44	peak	H
5806.53	52.21	-3.42	48.79	74	-25.21	peak	V
5925.00	39.44	-3.41	36.03	54	-17.97	peak	V

Note:

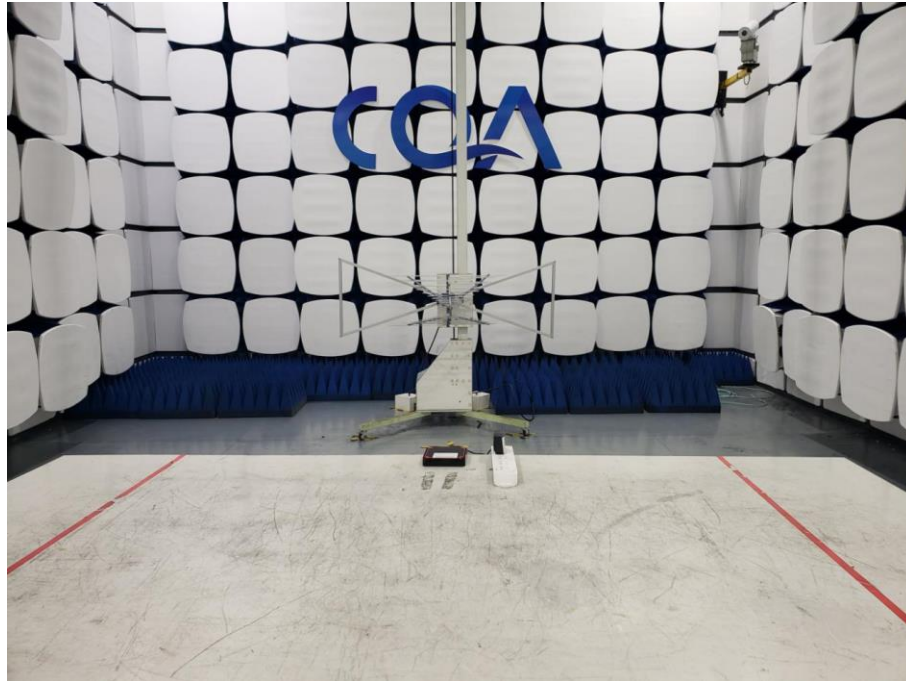
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

6 Photographs - EUT Test Setup

Please refer to test setup file

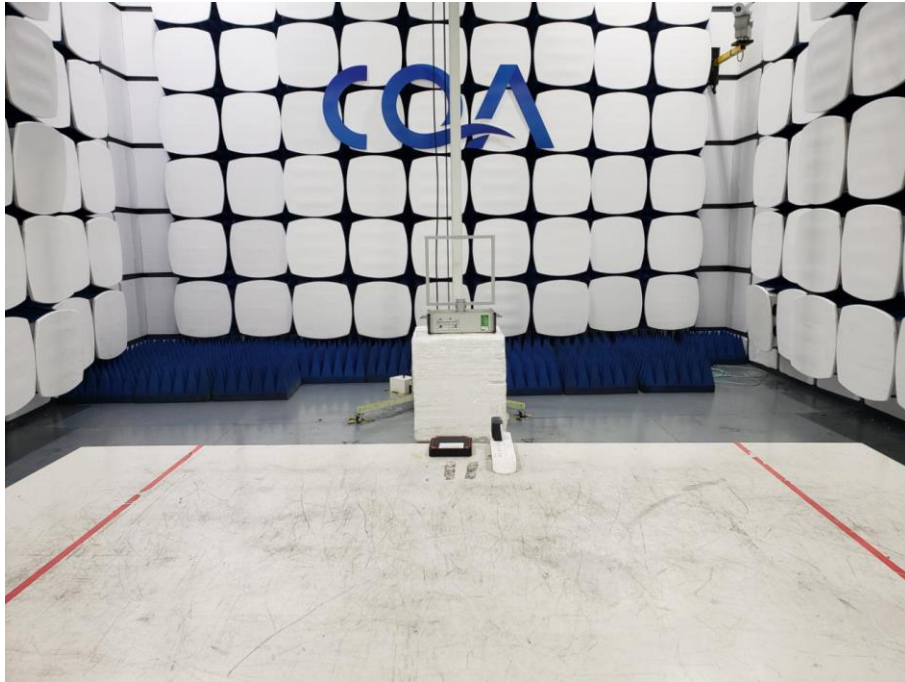
30MHz~1GHz



Above 1GHz



Below 30MHz



Conducted emission Test Setup



7 Photographs - EUT Constructional Details

Please refer to the report No: CQASZ20210100002EX-01

THE END