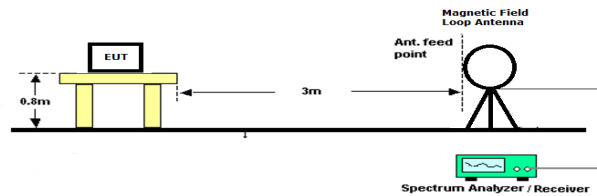


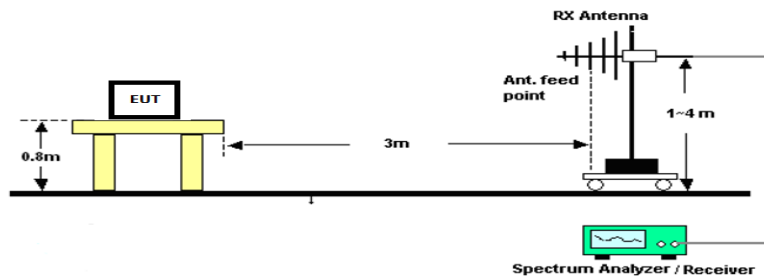
8.8 Radiated Emissions

Restricted Bands from FCC Part 15.205; Limits from FCC Part 15.209

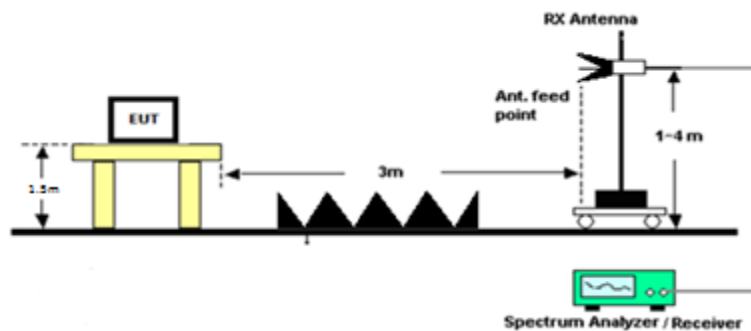
Radiated Test Setup, Below 30 MHz



Radiated Test Setup, 30 – 1000 MHz



Radiated Test Setup, Above 1000 MHz



Radiated Emissions in Restricted Bands, Tabular Data

8.8.1 Radiated Emissions, 2402 MHz

Tuned Frequency (MHz)	Emission Frequency (MHz)	15.205 Restricted Band	15.205, 15.35, 15.247(d) Detector	Meter Reading (dBµV)	Antenna Polarity	Coax Loss (dB)	Duty Cycle Correction (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2402.00	4804.00	X	PK	-0.40	H	7.10	0.00	34.19	3.00	40.88	73.98	33.10
2402.00	4804.00	X	PK	-1.00	V	7.10	0.00	34.19	3.00	40.28	73.98	33.70
2402.00	4804.00	X	AVG	-13.30	H	7.10	0.00	34.19	3.00	27.98	53.98	26.00
2402.00	4804.00	X	AVG	-14.90	V	7.10	0.00	34.19	3.00	26.38	53.98	27.60
2402.00	7206.00		PK	1.50	H	9.54	0.00	36.31	3.00	47.34	53.98	6.64
2402.00	7206.00		PK	1.40	V	9.54	0.00	36.31	3.00	47.24	53.98	6.74
2402.00	9608.00		PK	-0.40	H	10.70	0.00	36.81	3.00	47.11	53.98	6.87
2402.00	9608.00		PK	-0.50	V	10.70	0.00	36.81	3.00	47.01	53.98	6.97
2402.00	12010.00	X	PK	-1.30	H	12.40	0.00	38.79	3.00	49.89	73.98	24.09
2402.00	12010.00	X	PK	-2.40	V	12.40	0.00	38.79	3.00	48.79	73.98	25.19
2402.00	12010.00	X	AVG	-15.50	H	12.40	0.00	38.79	3.00	35.69	53.98	18.29
2402.00	12010.00	X	AVG	-15.70	V	12.40	0.00	38.79	3.00	35.49	53.98	18.49
2402.00	14412.00		PK	-3.00	H	13.35	0.00	39.72	3.00	50.07	53.98	3.91
2402.00	14412.00		PK	-3.20	V	13.35	0.00	39.72	3.00	49.87	53.98	4.11
2402.00	16814.00		AVG	-14.90	H	14.60	0.00	42.29	3.00	42.00	53.98	11.98
2402.00	16814.00		AVG	-15.00	V	14.60	0.00	42.29	3.00	41.90	53.98	12.08
2402.00	19216.00	X	PK	-0.50	H	16.00	0.00	16.00	3.00	31.50	73.98	42.48
2402.00	19216.00	X	PK	-1.20	V	16.00	0.00	16.00	3.00	30.80	73.98	43.18
2402.00	19216.00	X	AVG	-14.20	H	16.00	0.00	16.00	3.00	17.80	53.98	36.18
2402.00	19216.00	X	AVG	-14.20	V	16.00	0.00	16.00	3.00	17.80	53.98	36.18
2402.00	21618.00		PK	0.90	H	16.90	0.00	16.90	3.00	34.70	53.98	19.28
2402.00	21618.00		PK	1.30	V	16.90	0.00	16.90	3.00	35.10	53.98	18.88
2402.00	24020.00		PK	4.10	H	17.95	0.00	17.95	3.00	40.00	53.98	13.98
2402.00	24020.00		PK	4.10	V	17.95	0.00	17.95	3.00	40.00	53.98	13.98

8.8.2 Radiated Emissions, 2442 MHz

Tuned Frequency (MHz)	Emission Frequency (MHz)	15.205 Restricted Band	15.205, 15.35, 15.247(d) Detector	Meter Reading (dBµV)	Antenna Polarity	Coax Loss (dB)	Duty Cycle Correction (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
2442.00	4884.00	X	PK	0.20	H	7.36	0.00	34.10	3.00	41.66	73.98	32.32
2442.00	4884.00	X	PK	0.50	V	7.36	0.00	34.10	3.00	41.96	73.98	32.02
2442.00	4884.00	X	AVG	-12.20	H	7.36	0.00	34.10	3.00	29.26	53.98	24.72
2442.00	4884.00	X	AVG	-13.30	V	7.36	0.00	34.10	3.00	28.16	53.98	25.82
2442.00	7326.00	X	PK	-1.30	H	9.59	0.00	36.41	3.00	44.70	73.98	29.28
2442.00	7326.00	X	PK	-0.40	V	9.59	0.00	36.41	3.00	45.60	73.98	28.38
2442.00	7326.00	X	AVG	-12.50	H	9.59	0.00	36.41	3.00	33.50	53.98	20.48
2442.00	7326.00	X	AVG	-11.30	V	9.59	0.00	36.41	3.00	34.70	53.98	19.28
2442.00	9768.00		PK	-0.80	H	11.01	0.00	37.03	3.00	47.24	53.98	6.74
2442.00	9768.00		PK	-1.40	V	11.01	0.00	37.03	3.00	46.64	53.98	7.34
2442.00	12210.00	X	PK	-2.60	H	12.50	0.00	39.05	3.00	48.94	73.98	25.04
2442.00	12210.00	X	PK	-2.50	V	12.50	0.00	39.05	3.00	49.04	73.98	24.94
2442.00	12210.00	X	AVG	-16.00	H	12.50	0.00	39.05	3.00	35.54	53.98	18.44
2442.00	12210.00	X	AVG	-15.90	V	12.50	0.00	39.05	3.00	35.64	53.98	18.34
2442.00	14652.00		PK	-4.10	H	13.61	0.00	39.87	3.00	49.37	53.98	4.61
2442.00	14652.00		PK	-4.20	V	13.61	0.00	39.87	3.00	49.27	53.98	4.71
2442.00	17094.00		AVG	-15.30	H	14.66	0.00	41.94	3.00	41.30	53.98	12.68
2442.00	17094.00		AVG	-15.30	V	14.66	0.00	41.94	3.00	41.30	53.98	12.68
2442.00	19536.00	X	PK	-0.30	H	15.61	0.00	15.61	3.00	30.92	73.98	43.06
2442.00	19536.00	X	PK	0.10	V	15.61	0.00	15.61	3.00	31.32	73.98	42.66
2442.00	19536.00	X	AVG	-13.90	H	15.61	0.00	15.61	3.00	17.32	53.98	36.66
2442.00	19536.00	X	AVG	-13.90	V	15.61	0.00	15.61	3.00	17.32	53.98	36.66
2442.00	21978.00		PK	3.20	H	16.97	0.00	16.97	3.00	37.15	53.98	16.83
2442.00	21978.00		PK	3.80	V	16.97	0.00	16.97	3.00	37.75	53.98	16.23
2442.00	24420.00		PK	5.20	H	18.29	0.00	18.29	3.00	41.77	53.98	12.21
2442.00	24420.00		PK	5.50	V	18.29	0.00	18.29	3.00	42.07	53.98	11.91

8.8.3 Radiated Emissions, 2480 MHz

Tuned Frequency (MHz)	Emission Frequency (MHz)	15.205 Restricted Band	15.205, 15.35, 15.247(d) Detector	Meter Reading (dBμV)	Antenna Polarity	Coax Loss (dB)	Duty Cycle Correction (dB)	Antenna Correction Factor (dB/m)	Distance (m)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
2480.00	4960.00	X	PK	-0.01	H	7.72	0.00	33.99	3.00	41.70	73.98	32.28
2480.00	4960.00	X	PK	-0.80	V	7.72	0.00	33.99	3.00	40.91	73.98	33.07
2480.00	4960.00	X	AVG	-12.50	H	7.72	0.00	33.99	3.00	29.21	53.98	24.77
2480.00	4960.00	X	AVG	-12.40	V	7.72	0.00	33.99	3.00	29.31	53.98	24.67
2480.00	7440.00	X	PK	-1.70	H	9.56	0.00	36.21	3.00	44.07	73.98	29.91
2480.00	7440.00	X	PK	-1.40	V	9.56	0.00	36.21	3.00	44.37	73.98	29.61
2480.00	7440.00	X	AVG	-15.10	H	9.56	0.00	36.21	3.00	30.67	53.98	23.31
2480.00	7440.00	X	AVG	-13.40	V	9.56	0.00	36.21	3.00	32.37	53.98	21.61
2480.00	9920.00		PK	-2.60	H	11.15	0.00	37.07	3.00	45.62	53.98	8.36
2480.00	9920.00		PK	-1.60	V	11.15	0.00	37.07	3.00	46.62	53.98	7.36
2480.00	12400.00	X	PK	-2.30	H	12.54	0.00	39.26	3.00	49.50	73.98	24.48
2480.00	12400.00	X	PK	-2.00	V	12.54	0.00	39.26	3.00	49.80	73.98	24.18
2480.00	12400.00	X	AVG	-15.80	H	12.54	0.00	39.26	3.00	36.00	53.98	17.98
2480.00	12400.00	X	AVG	-15.80	V	12.54	0.00	39.26	3.00	36.00	53.98	17.98
2480.00	14880.00		PK	-3.60	H	13.44	0.00	40.09	3.00	49.94	53.98	4.04
2480.00	14880.00		PK	-3.10	V	13.44	0.00	40.09	3.00	50.44	53.98	3.54
2480.00	17360.00		AVG	-14.20	H	15.01	0.00	41.59	3.00	42.40	53.98	11.58
2480.00	17360.00		AVG	-14.20	V	15.01	0.00	41.59	3.00	42.40	53.98	11.58
2480.00	19840.00	X	PK	-1.10	H	16.21	0.00	16.21	3.00	31.33	73.98	42.65
2480.00	19840.00	X	PK	-0.60	V	16.21	0.00	16.21	3.00	31.83	73.98	42.15
2480.00	19840.00	X	AVG	-14.40	H	16.21	0.00	16.21	3.00	18.03	53.98	35.95
2480.00	19840.00	X	AVG	-14.40	V	16.21	0.00	16.21	3.00	18.03	53.98	35.95
2480.00	22320.00	X	PK	0.80	H	17.02	0.00	17.02	3.00	34.83	73.98	39.15
2480.00	22320.00	X	PK	1.00	V	17.02	0.00	17.02	3.00	35.03	73.98	38.95
2480.00	22320.00	X	AVG	-12.70	H	17.02	0.00	17.02	3.00	21.33	53.98	32.65
2480.00	22320.00	X	AVG	-12.70	V	17.02	0.00	17.02	3.00	21.33	53.98	32.65
2480.00	24800.00		PK	7.40	H	18.07	0.00	18.07	3.00	43.54	53.98	10.44
2480.00	24800.00		PK	8.10	V	18.07	0.00	18.07	3.00	44.24	53.98	9.74

9. ANNEX-B – Test Setup Photographs

Test setup photographs are located in a separate supplementary ANNEX-B document.

10. History of Test Report Changes

Test Report #	Revision #	Description	Date of Issue
TR_17875-24_FCC 15.247_2	1	Initial release	01/21/2025
	2	Change in Page 1 and 4	01/29/2025

END OF TEST REPORT