

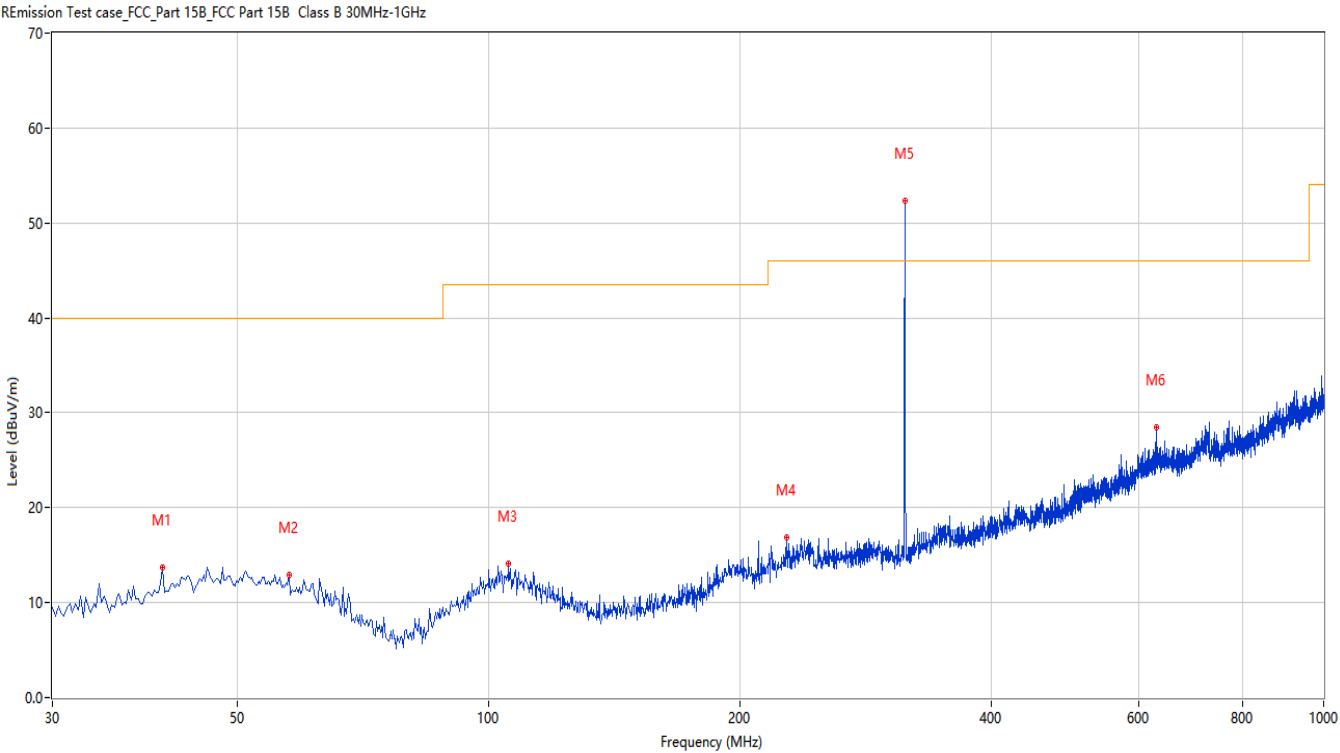
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Radiated Emission-Test Plots	
Operating Frequency	315MHz
Antenna Polarization	Vertical
Test Frequency Range	30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.667	13.69	-24.78	40.0	26.31	Peak	93.20	100	Vertical	Pass
2	57.638	12.95	-24.45	40.0	27.05	Peak	278.20	100	Vertical	Pass
3	105.641	14.17	-24.92	43.5	29.33	Peak	358.00	100	Vertical	Pass
4	227.103	16.91	-24.09	46.0	29.09	Peak	179.70	100	Vertical	Pass
5	314.866	52.36	-21.69	95.62	43.26	Peak	137.20	100	Vertical	Pass
5*	314.866	39.59	-21.69	75.62	36.03	AV	137.20	100	Vertical	Pass
6	629.795	28.42	-12.85	75.62	47.20	Peak	256.70	100	Vertical	Pass
6*	629.795	15.65	-12.85	55.62	39.97	AV	256.70	100	Vertical	Pass

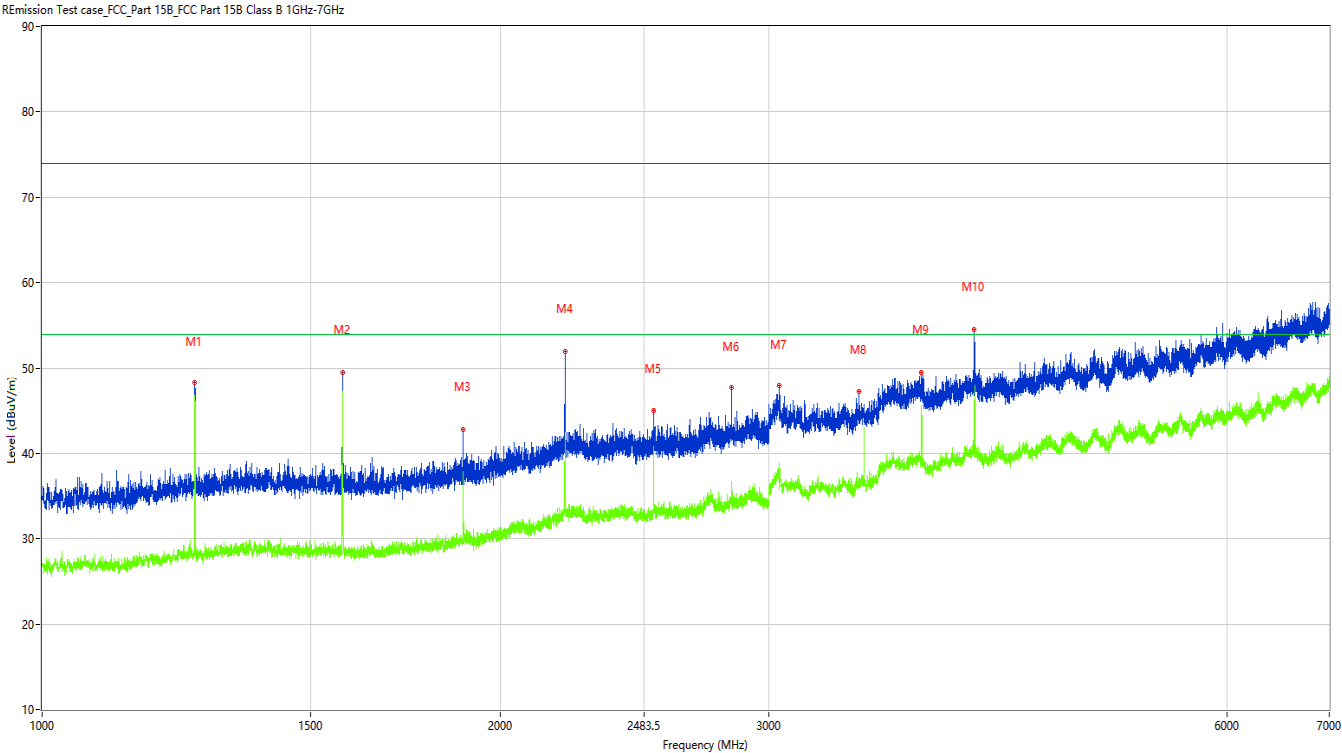
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Radiated Emission-Test Plots	
Operating Frequency	315MHz
Antenna Polarization	Horizontal
Test Frequency Range	1GHz-7GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1259.750	48.20	-15.59	75.62	27.42	Peak	282.20	100	Horizontal	Pass
1**	1259.750	35.43	-15.59	55.62	20.19	AV	282.20	100	Horizontal	Pass
2	1575.000	49.51	-15.39	75.62	26.11	Peak	314.60	100	Horizontal	Pass
2**	1575.000	36.74	-15.39	55.62	18.88	AV	314.60	100	Horizontal	Pass
3	1890.250	42.73	-14.28	75.62	32.89	Peak	325.20	100	Horizontal	Pass
3**	1890.250	29.96	-14.28	55.62	25.66	AV	325.20	100	Horizontal	Pass
4	2205.000	52.03	-10.73	75.62	23.59	Peak	304.00	100	Horizontal	Pass
4**	2205.000	39.26	-10.73	55.62	16.36	AV	304.00	100	Horizontal	Pass
5	2520.250	44.95	-10.20	75.62	30.67	Peak	314.60	100	Horizontal	Pass
5**	2520.250	32.18	-10.20	55.62	23.44	AV	314.60	100	Horizontal	Pass
6	2835.250	47.68	-8.62	75.62	27.94	Peak	22.50	100	Horizontal	Pass
6**	2835.250	34.91	-8.62	55.62	20.71	AV	22.50	100	Horizontal	Pass
7	3048.000	47.86	-2.04	74.0	26.14	Peak	89.50	100	Horizontal	Pass
7**	3048.000	38.19	-2.04	54.0	15.81	AV	89.50	100	Horizontal	Pass
8	3437.000	47.17	-5.01	74.0	26.83	Peak	358.90	100	Horizontal	Pass
8**	3437.000	37.16	-5.01	54.0	16.84	AV	358.90	100	Horizontal	Pass

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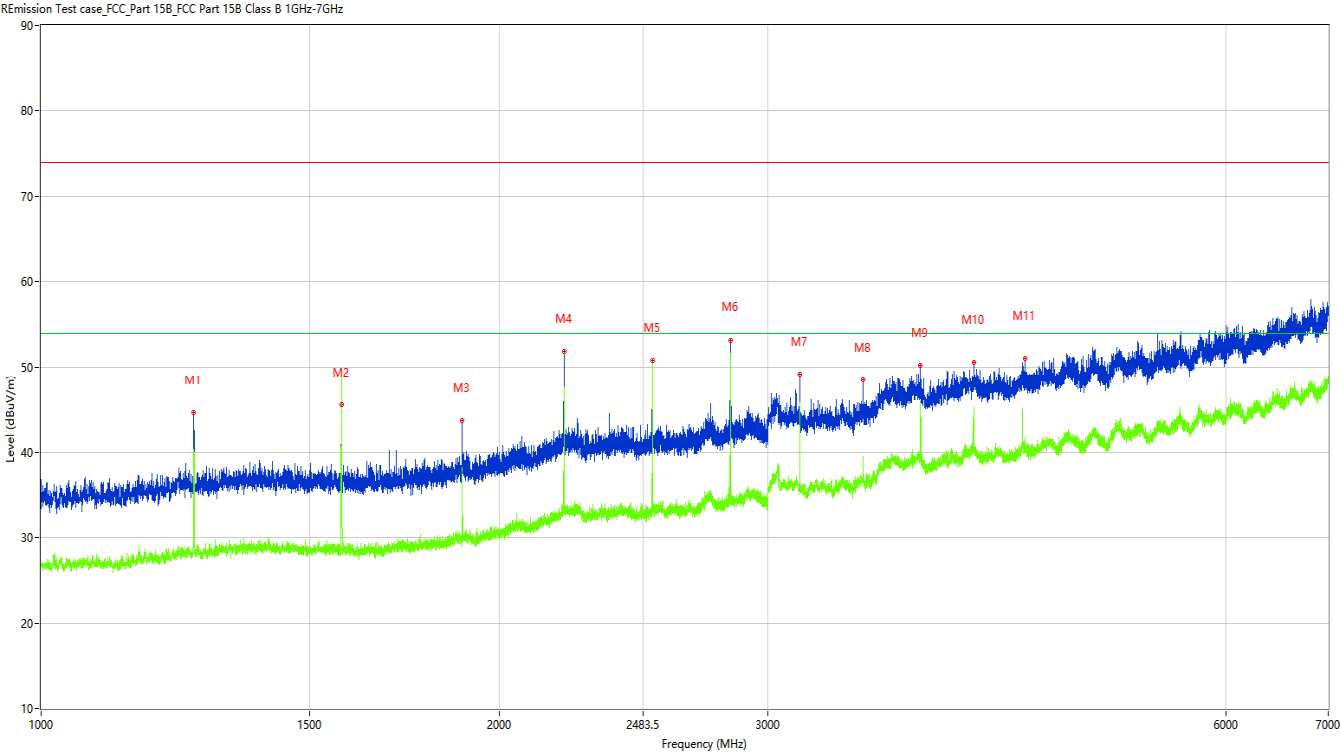
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9	3779.500	49.52	-2.79	75.62	26.10	Peak	274.40	100	Horizontal	Pass
9**	3779.500	36.75	-2.79	55.62	18.87	AV	274.40	100	Horizontal	Pass
10	4094.500	54.54	-1.38	75.62	21.08	Peak	78.40	100	Horizontal	Pass
10**	4094.500	41.77	-1.38	55.62	13.85	AV	78.40	100	Horizontal	Pass

Radiated Emission-Test Plots										
Operating Frequency						315MHz				
Antenna Polarization						Vertical				
Test Frequency Range						1GHz-7GHz				



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1259.750	44.63	-15.59	75.62	30.99	Peak	332.60	100	Vertical	Pass
1**	1259.750	31.86	-15.59	55.62	23.76	AV	332.60	100	Vertical	Pass
2	1575.000	45.59	-15.39	75.62	30.03	Peak	159.70	100	Vertical	Pass
2**	1575.000	32.82	-15.39	55.62	22.80	AV	159.70	100	Vertical	Pass
3	1890.250	43.72	-14.28	75.62	31.90	Peak	40.30	100	Vertical	Pass
3**	1890.250	30.95	-14.28	55.62	24.67	AV	40.30	100	Vertical	Pass
4	2205.250	51.87	-10.74	75.62	23.75	Peak	183.70	100	Vertical	Pass
4**	2205.250	39.10	-10.74	55.62	16.52	AV	183.70	100	Vertical	Pass
5	2520.250	50.80	-10.20	75.62	24.82	Peak	40.30	100	Vertical	Pass
5**	2520.250	38.03	-10.20	55.62	17.59	AV	40.30	100	Vertical	Pass
6	2835.250	53.16	-8.62	75.62	22.46	Peak	16.80	100	Vertical	Pass

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6**	2835.250	40.39	-8.62	55.62	15.23	AV	16.80	100	Vertical	Pass
7	3150.000	49.22	-6.03	75.62	26.40	Peak	12.20	100	Vertical	Pass
7**	3150.000	36.45	-6.03	55.62	19.17	AV	12.20	100	Vertical	Pass
8	3464.500	48.49	-4.93	75.62	27.13	Peak	66.60	100	Vertical	Pass
8**	3464.500	35.72	-4.93	55.62	19.90	AV	66.60	100	Vertical	Pass
9	3779.500	50.19	-2.79	75.62	25.43	Peak	360.00	100	Vertical	Pass
9**	3779.500	37.42	-2.79	55.62	18.20	AV	360.00	100	Vertical	Pass
10	4095.500	50.63	-1.40	75.62	24.99	Peak	263.70	100	Vertical	Pass
10**	4095.500	37.86	-1.40	55.62	17.76	AV	263.70	100	Vertical	Pass
11	4425.000	51.05	-1.37	74.0	22.95	Peak	172.80	100	Vertical	Pass
11**	4425.000	40.49	-1.37	54.0	13.51	AV	172.80	100	Vertical	Pass

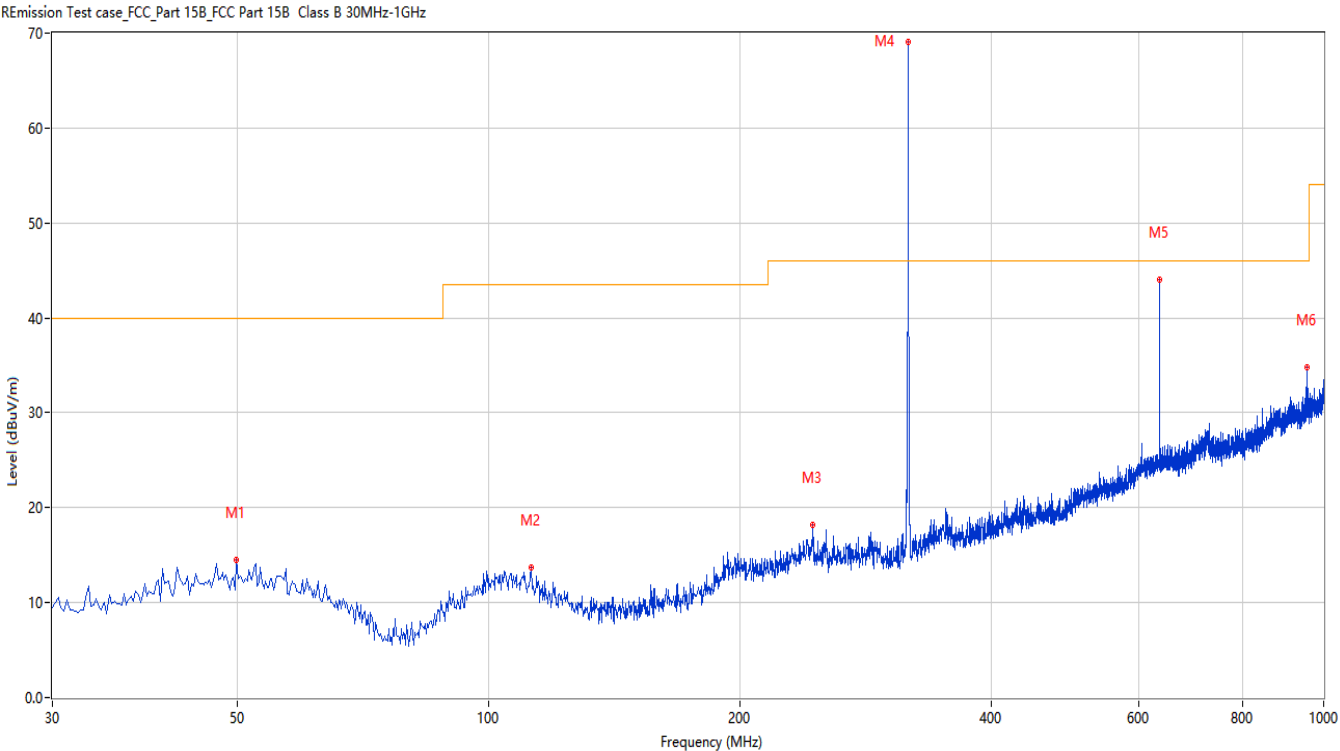
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Radiated Emission-Test Plots	
Operating Frequency	318MHz
Antenna Polarization	Horizontal
Test Frequency Range	30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	49.880	14.51	-23.70	40.0	25.49	Peak	320.50	100	Horizontal	Pass
2	112.429	13.68	-25.58	43.5	29.82	Peak	330.40	100	Horizontal	Pass
3	244.559	18.22	-22.92	46.0	27.78	Peak	147.60	100	Horizontal	Pass
4	317.776	69.08	-21.59	95.80	26.72	Peak	69.20	100	Horizontal	Pass
4*	317.776	53.69	-21.59	75.80	22.11	AV	69.20	100	Horizontal	Pass
5	635.856	44.01	-12.79	75.80	31.79	Peak	74.70	100	Horizontal	Pass
5*	635.856	28.62	-12.79	55.80	27.18	AV	74.70	100	Horizontal	Pass
6	953.937	34.75	-7.41	75.80	41.05	Peak	262.70	100	Horizontal	Pass
6*	953.937	19.36	-7.41	55.80	36.44	AV	262.70	100	Horizontal	Pass

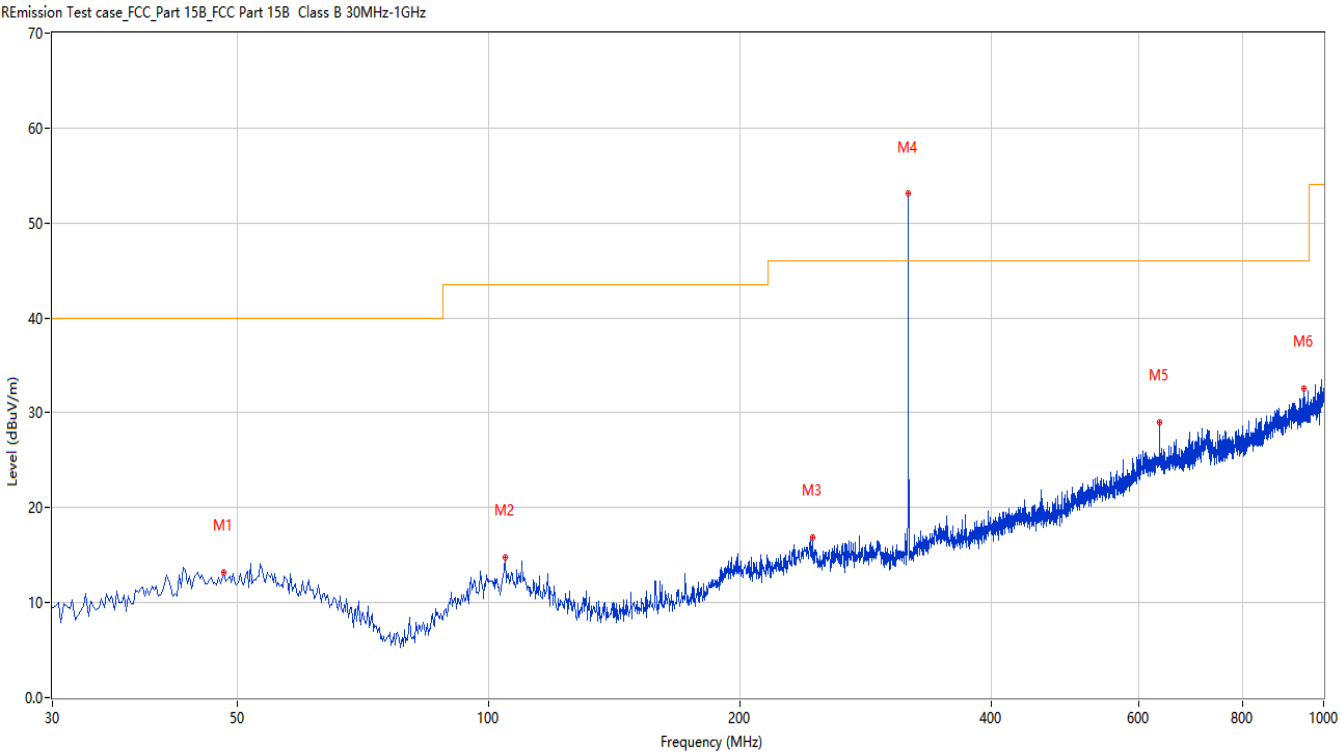
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Radiated Emission-Test Plots	
Operating Frequency	318MHz
Antenna Polarization	Vertical
Test Frequency Range	30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.183	13.21	-23.68	40.0	26.79	Peak	190.20	100	Vertical	Pass
2	104.671	14.75	-24.91	43.5	28.75	Peak	132.40	100	Vertical	Pass
3	244.316	16.86	-22.93	46.0	29.14	Peak	315.00	100	Vertical	Pass
4	317.776	53.07	-21.59	95.80	42.73	Peak	354.80	100	Vertical	Pass
4*	317.776	37.68	-21.59	75.80	38.12	AV	354.80	100	Vertical	Pass
5	635.856	28.98	-12.79	75.80	46.82	Peak	251.30	100	Vertical	Pass
5*	635.856	13.59	-12.79	55.80	42.21	AV	251.30	100	Vertical	Pass
6	945.694	32.51	-7.51	46.0	13.49	Peak	122.30	100	Vertical	Pass

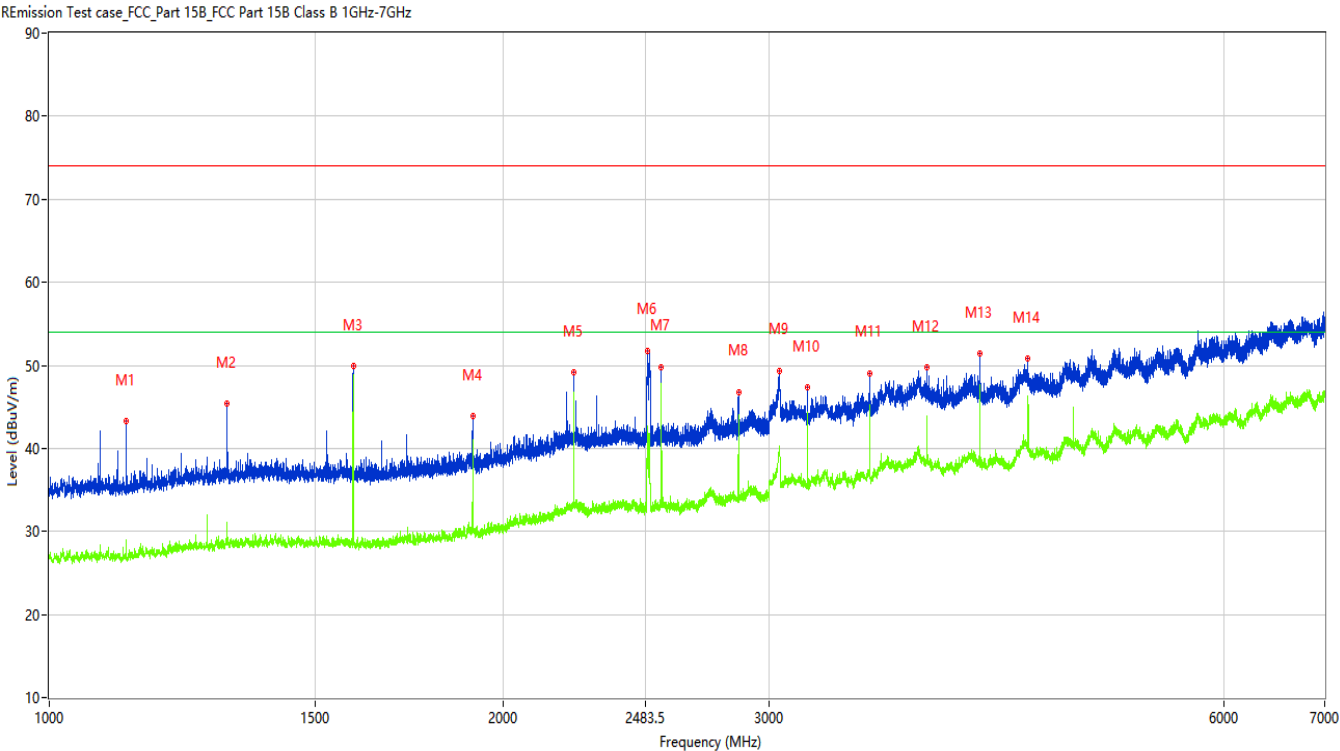
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Radiated Emission-Test Plots	
Operating Frequency	318MHz
Antenna Polarization	Horizontal
Test Frequency Range	1GHz-7GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1124.000	43.30	-16.62	74.0	30.70	Peak	118.20	100	Horizontal	Pass
1**	1124.000	26.65	-16.62	54.0	27.35	AV	118.20	100	Horizontal	Pass
2	1311.750	45.36	-15.36	74.0	28.64	Peak	228.90	100	Horizontal	Pass
2**	1311.750	29.53	-15.36	54.0	24.47	AV	228.90	100	Horizontal	Pass
3	1590.000	49.97	-15.64	75.80	25.83	Peak	334.60	100	Horizontal	Pass
3**	1590.000	34.58	-15.64	55.80	21.22	AV	334.60	100	Horizontal	Pass
4	1908.000	43.83	-14.23	75.80	31.97	Peak	284.00	100	Horizontal	Pass
4**	1908.000	28.44	-14.23	55.80	27.36	AV	284.00	100	Horizontal	Pass
5	2225.750	49.15	-10.78	75.80	26.65	Peak	319.00	100	Horizontal	Pass
5**	2225.750	33.76	-10.78	55.80	22.04	AV	319.00	100	Horizontal	Pass
6	2492.000	51.69	-10.65	74.0	22.31	Peak	199.50	100	Horizontal	Pass
6**	2492.000	42.70	-10.65	54.0	11.30	AV	199.50	100	Horizontal	Pass
7	2544.000	49.72	-9.96	75.80	26.08	Peak	92.50	100	Horizontal	Pass
7**	2544.000	34.33	-9.96	55.80	21.47	AV	92.50	100	Horizontal	Pass
8	2861.750	46.82	-8.14	75.80	28.98	Peak	334.60	100	Horizontal	Pass
8**	2861.750	31.43	-8.14	55.80	24.37	AV	334.60	100	Horizontal	Pass

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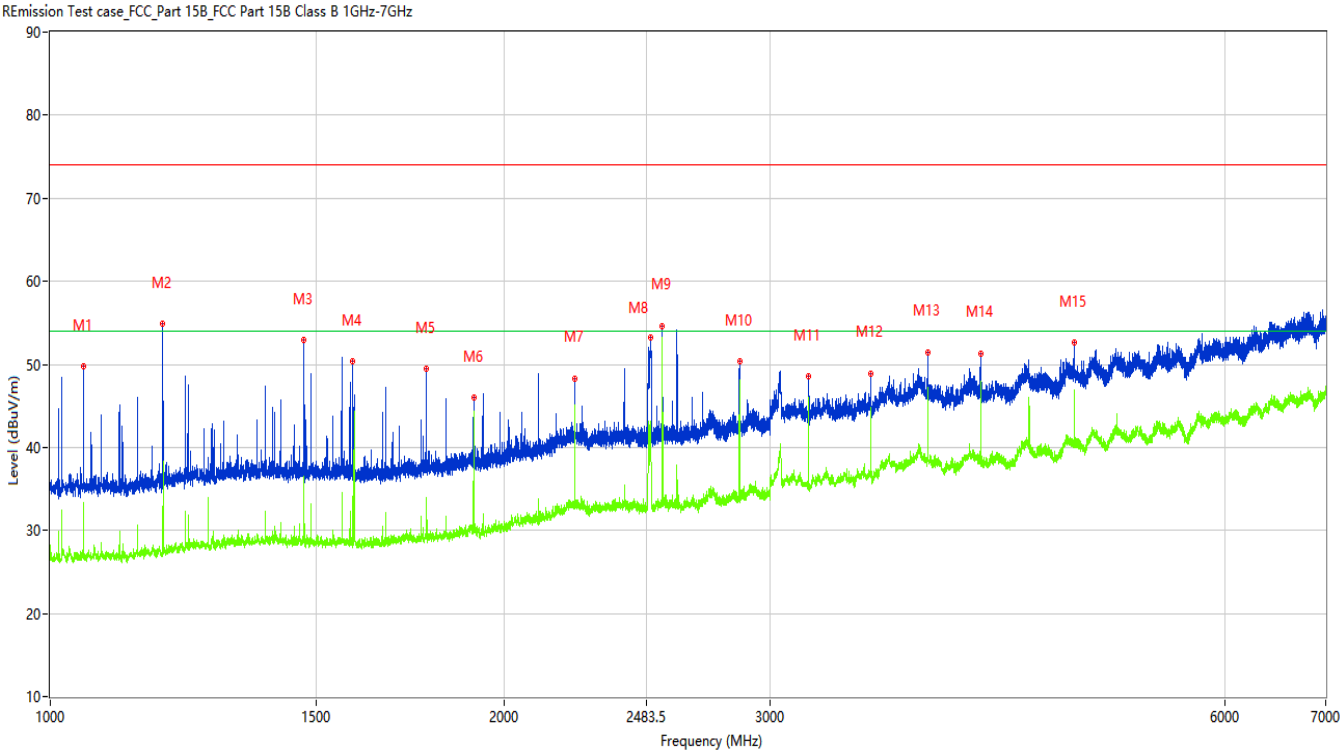
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9	3045.000	49.38	-2.51	74.0	24.62	Peak	279.90	100	Horizontal	Pass
9**	3045.000	39.95	-2.51	54.0	14.05	AV	279.90	100	Horizontal	Pass
10	3180.000	47.39	-5.81	75.80	28.41	Peak	4.10	100	Horizontal	Pass
10**	3180.000	32.00	-5.81	55.80	23.80	AV	4.10	100	Horizontal	Pass
11	3498.000	49.08	-4.84	75.80	26.72	Peak	15.20	100	Horizontal	Pass
11**	3498.000	33.69	-4.84	55.80	22.11	AV	15.20	100	Horizontal	Pass
12	3816.000	49.76	-3.63	75.80	26.04	Peak	328.50	100	Horizontal	Pass
12**	3816.000	34.37	-3.63	55.80	21.43	AV	328.50	100	Horizontal	Pass
13	4134.000	51.36	-2.30	75.80	24.44	Peak	335.00	100	Horizontal	Pass
13**	4134.000	35.97	-2.30	55.80	19.83	AV	335.00	100	Horizontal	Pass
14	4452.000	50.86	-1.72	75.80	24.94	Peak	2.40	100	Horizontal	Pass
14**	4452.000	35.47	-1.72	55.80	20.33	AV	2.40	100	Horizontal	Pass

Radiated Emission-Test Plots	
Operating Frequency	318MHz
Antenna Polarization	Vertical
Test Frequency Range	1GHz-7GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1051.500	49.75	-16.63	74.0	24.25	Peak	121.00	100	Vertical	Pass
1**	1051.500	26.79	-16.63	54.0	27.21	AV	121.00	100	Vertical	Pass
2	1187.500	54.90	-16.02	74.0	19.10	Peak	135.60	100	Vertical	Pass

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2**	1187.500	27.62	-16.02	54.0	26.38	AV	135.60	100	Vertical	Pass
3	1471.250	52.86	-15.37	74.0	21.14	Peak	226.70	100	Vertical	Pass
3**	1471.250	28.75	-15.37	54.0	25.25	AV	226.70	100	Vertical	Pass
4	1587.000	50.32	-15.66	74.0	23.68	Peak	209.60	100	Vertical	Pass
4**	1587.000	34.09	-15.66	54.0	19.91	AV	209.60	100	Vertical	Pass
5	1775.750	49.43	-15.06	74.0	24.57	Peak	211.60	100	Vertical	Pass
5**	1775.750	29.83	-15.06	54.0	24.17	AV	211.60	100	Vertical	Pass
6	1907.750	46.05	-14.23	75.80	29.75	Peak	27.40	100	Vertical	Pass
6**	1907.750	30.66	-14.23	55.80	25.14	AV	27.40	100	Vertical	Pass
7	2226.000	48.22	-10.79	75.80	27.58	Peak	72.60	100	Vertical	Pass
7**	2226.000	32.83	-10.79	55.80	22.97	AV	72.60	100	Vertical	Pass
8	2500.500	53.18	-10.50	74.0	20.82	Peak	152.90	100	Vertical	Pass
8**	2500.500	40.60	-10.50	54.0	13.40	AV	152.90	100	Vertical	Pass
9	2544.000	54.66	-9.96	75.80	21.14	Peak	29.10	100	Vertical	Pass
9**	2544.000	39.27	-9.96	55.80	16.53	AV	29.10	100	Vertical	Pass
10	2862.250	50.36	-8.13	75.80	25.44	Peak	22.70	100	Vertical	Pass
10**	2862.250	34.97	-8.13	55.80	20.83	AV	22.70	100	Vertical	Pass
11	3180.000	48.51	-5.81	75.80	27.29	Peak	51.80	100	Vertical	Pass
11**	3180.000	33.12	-5.81	55.80	22.68	AV	51.80	100	Vertical	Pass
12	3498.000	48.80	-4.84	75.80	27.00	Peak	325.10	100	Vertical	Pass
12**	3498.000	33.41	-4.84	55.80	22.39	AV	325.10	100	Vertical	Pass
13	3816.000	51.50	-3.63	75.80	24.30	Peak	3.10	100	Vertical	Pass
13**	3816.000	36.11	-3.63	55.80	19.69	AV	3.10	100	Vertical	Pass
14	4133.500	51.30	-2.28	75.80	24.50	Peak	1.00	100	Vertical	Pass
14**	4133.500	35.91	-2.28	55.80	19.89	AV	1.00	100	Vertical	Pass
15	4770.000	52.58	-0.89	74.0	21.42	Peak	360.00	100	Vertical	Pass
15**	4770.000	45.31	-0.89	54.0	8.69	AV	360.00	100	Vertical	Pass

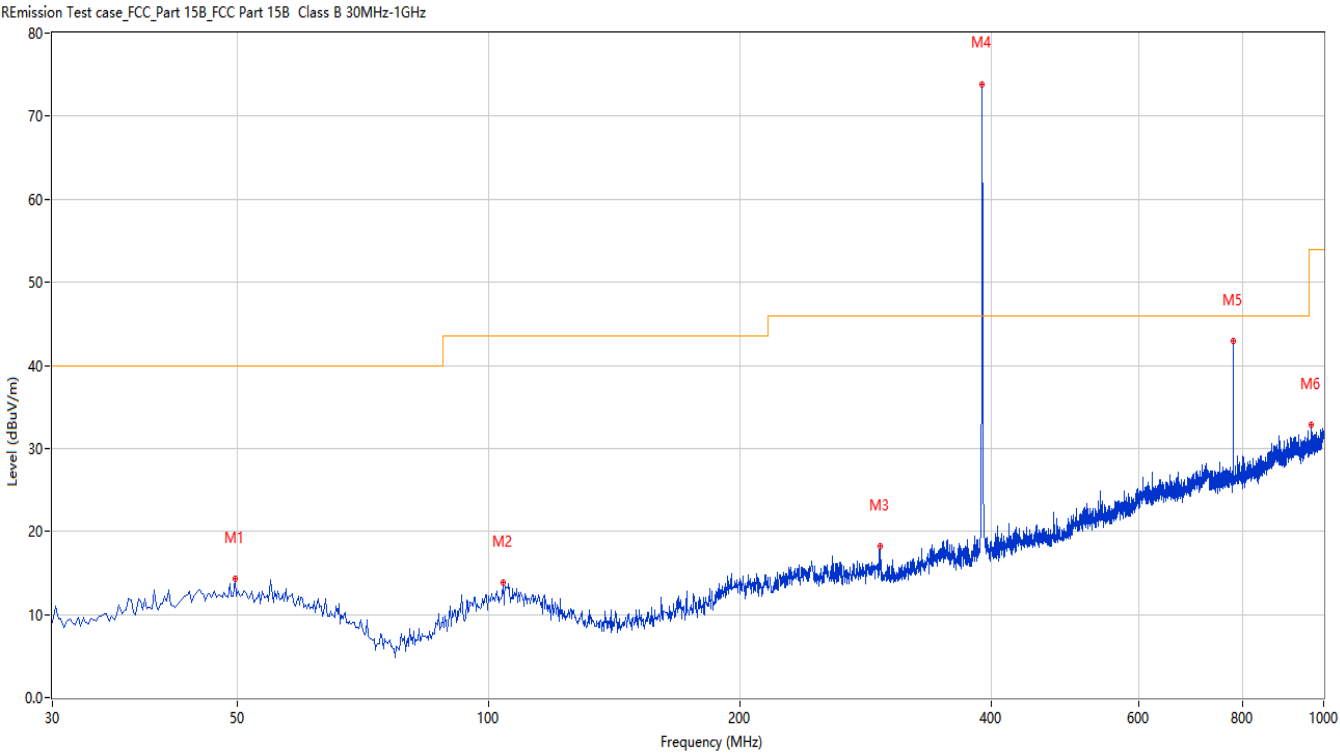
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Radiated Emission-Test Plots	
Operating Frequency	390MHz
Antenna Polarization	Horizontal
Test Frequency Range	30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	49.638	14.27	-23.69	40.0	25.73	Peak	185.50	100	Horizontal	Pass
2	103.944	13.80	-24.93	43.5	29.70	Peak	74.60	100	Horizontal	Pass
3	294.259	18.17	-22.07	46.0	27.83	Peak	143.70	100	Horizontal	Pass
4	389.780	73.80	-19.47	99.24	25.44	Peak	82.20	100	Horizontal	Pass
4*	389.780	61.40	-19.47	79.24	17.84	AV	82.20	100	Horizontal	Pass
5	779.865	42.95	-10.73	79.24	36.29	Peak	71.10	100	Horizontal	Pass
5*	779.865	30.55	-10.73	59.24	28.69	AV	71.10	100	Horizontal	Pass
6	964.846	32.86	-7.32	54.0	21.14	Peak	116.30	100	Horizontal	Pass

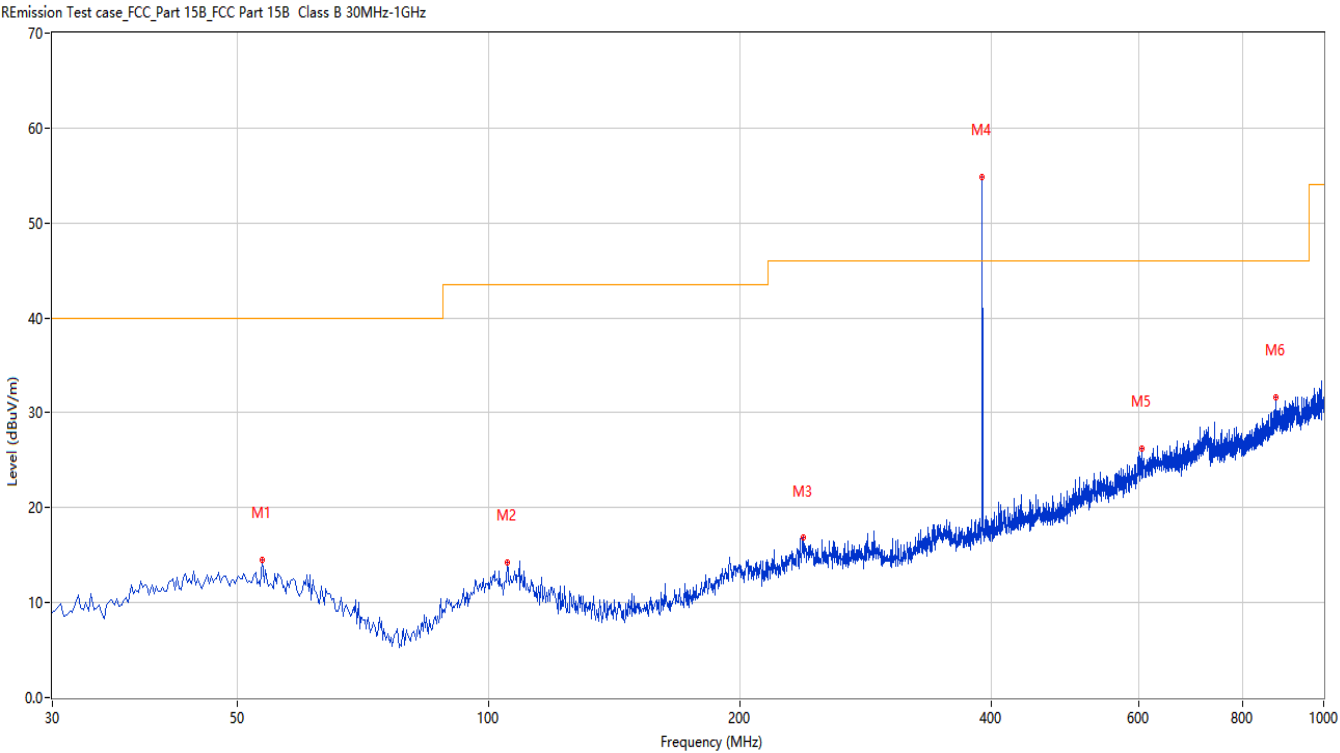
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Radiated Emission-Test Plots	
Operating Frequency	390MHz
Antenna Polarization	Vertical
Test Frequency Range	30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	53.517	14.52	-23.91	40.0	25.48	Peak	267.40	100	Vertical	Pass
2	105.156	14.27	-24.91	43.5	29.23	Peak	94.60	100	Vertical	Pass
3	238.255	16.81	-23.21	46.0	29.19	Peak	194.80	100	Vertical	Pass
4	389.780	54.82	-19.47	99.24	44.42	Peak	148.50	100	Vertical	Pass
4*	389.780	42.42	-19.47	79.24	36.82	AV	148.50	100	Vertical	Pass
5	606.521	26.20	-13.36	46.0	19.80	Peak	219.50	100	Vertical	Pass
6	877.083	31.69	-8.61	46.0	14.31	Peak	247.90	100	Vertical	Pass

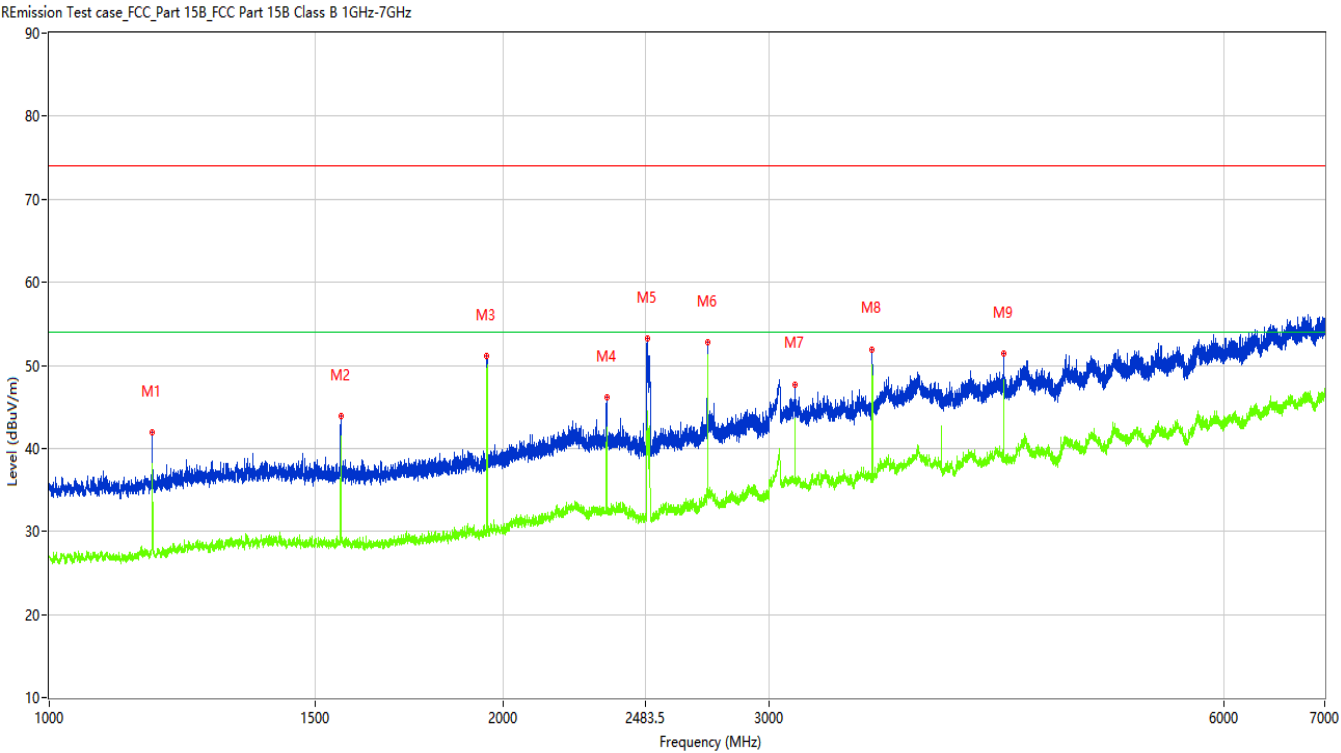
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Radiated Emission-Test Plots	
Operating Frequency	390MHz
Antenna Polarization	Horizontal
Test Frequency Range	1GHz-7GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1170.000	41.87	-16.04	79.24	37.37	Peak	70.70	100	Horizontal	Pass
1**	1170.000	29.47	-16.04	59.24	29.77	AV	70.70	100	Horizontal	Pass
2	1560.000	43.87	-15.33	79.24	35.37	Peak	324.70	100	Horizontal	Pass
2**	1560.000	31.47	-15.33	59.24	27.77	AV	324.70	100	Horizontal	Pass
3	1950.000	51.07	-13.97	79.24	28.17	Peak	332.30	100	Horizontal	Pass
3**	1950.000	38.67	-13.97	59.24	20.57	AV	332.30	100	Horizontal	Pass
4	2340.000	46.09	-11.13	79.24	33.15	Peak	341.90	100	Horizontal	Pass
4**	2340.000	33.69	-11.13	59.24	25.55	AV	341.90	100	Horizontal	Pass
5	2490.250	53.17	-10.63	74.0	20.83	Peak	307.10	100	Horizontal	Pass
5**	2490.250	43.92	-10.63	54.0	10.08	AV	307.10	100	Horizontal	Pass
6	2730.250	52.75	-8.68	79.24	26.49	Peak	360.00	100	Horizontal	Pass
6**	2730.250	40.35	-8.68	59.24	18.89	AV	360.00	100	Horizontal	Pass
7	3120.000	47.70	-5.95	79.24	31.54	Peak	6.60	100	Horizontal	Pass
7**	3120.000	35.30	-5.95	59.24	23.94	AV	6.60	100	Horizontal	Pass
8	3510.000	51.94	-4.67	79.24	27.30	Peak	0.30	100	Horizontal	Pass
8**	3510.000	39.54	-4.67	59.24	19.70	AV	0.30	100	Horizontal	Pass

TEST REPORT

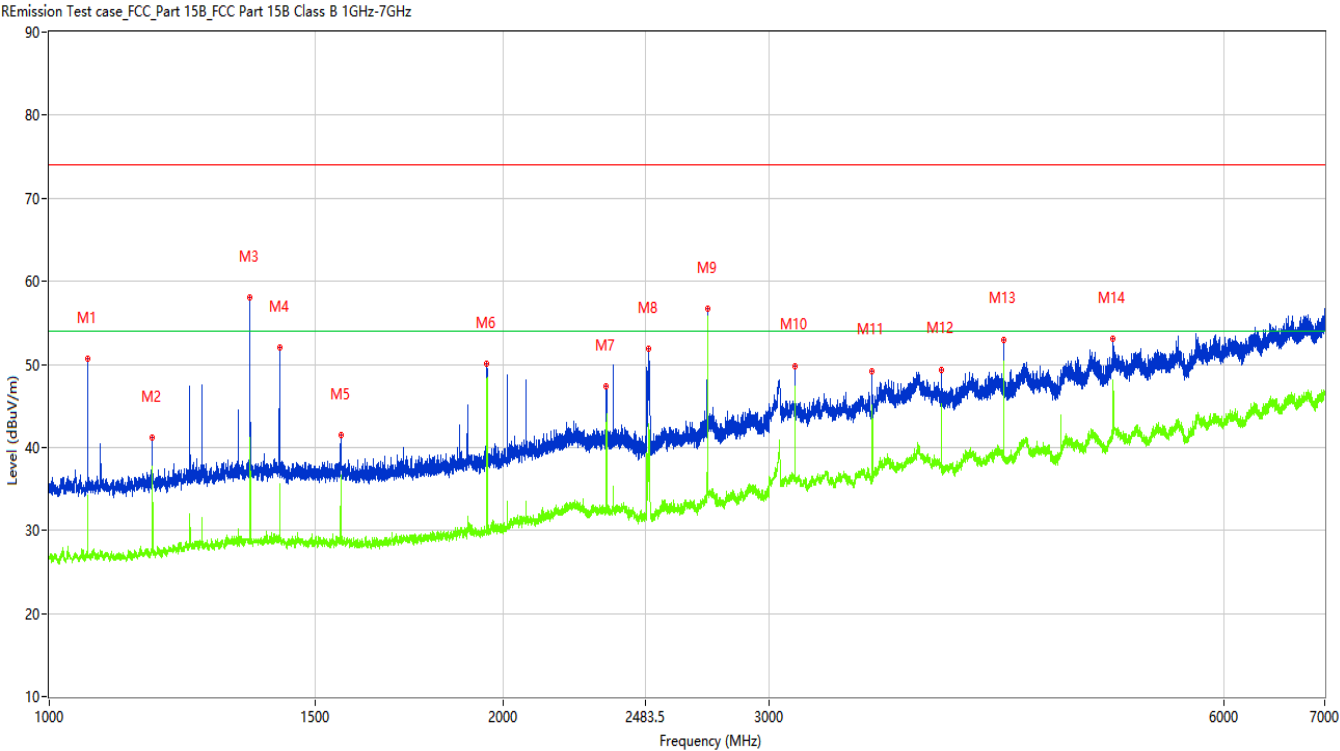
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9	4290.000	51.44	-2.38	79.24	27.80	Peak	159.30	100	Horizontal	Pass
9**	4290.000	39.04	-2.38	59.24	20.20	AV	159.30	100	Horizontal	Pass

Radiated Emission-Test Plots										
Operating Frequency						390MHz				
Antenna Polarization						Vertical				
Test Frequency Range						1GHz-7GHz				



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1060.500	50.69	-16.47	74.0	23.31	Peak	331.30	100	Vertical	Pass
1**	1060.500	26.65	-16.47	54.0	27.35	AV	331.30	100	Vertical	Pass
2	1170.000	41.14	-16.04	79.24	38.10	Peak	168.70	100	Vertical	Pass
2**	1170.000	28.74	-16.04	59.24	30.50	AV	168.70	100	Vertical	Pass
3	1358.500	58.05	-15.37	74.0	15.95	Peak	339.00	100	Vertical	Pass
3**	1358.500	28.61	-15.37	54.0	25.39	AV	339.00	100	Vertical	Pass
4	1420.500	52.08	-15.19	74.0	21.92	Peak	337.30	100	Vertical	Pass
4**	1420.500	28.85	-15.19	54.0	25.15	AV	337.30	100	Vertical	Pass
5	1559.750	41.49	-15.33	79.24	37.75	Peak	342.70	100	Vertical	Pass
5**	1559.750	29.09	-15.33	59.24	30.15	AV	342.70	100	Vertical	Pass
6	1950.000	50.10	-13.97	79.24	29.14	Peak	52.10	100	Vertical	Pass
6**	1950.000	37.70	-13.97	59.24	21.54	AV	52.10	100	Vertical	Pass
7	2339.750	47.35	-11.13	79.24	31.89	Peak	20.20	100	Vertical	Pass

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7**	2339.750	34.95	-11.13	59.24	24.29	AV	20.20	100	Vertical	Pass
8	2495.500	51.91	-10.59	74.0	22.09	Peak	206.20	100	Vertical	Pass
8**	2495.500	42.68	-10.59	54.0	11.32	AV	206.20	100	Vertical	Pass
9	2730.000	56.72	-8.70	79.24	22.52	Peak	29.60	100	Vertical	Pass
9**	2730.000	44.32	-8.70	59.24	14.92	AV	29.60	100	Vertical	Pass
10	3119.500	49.83	-5.96	79.24	29.41	Peak	41.40	100	Vertical	Pass
10**	3119.500	37.43	-5.96	59.24	21.81	AV	41.40	100	Vertical	Pass
11	3510.000	49.24	-4.67	79.24	30.00	Peak	256.40	100	Vertical	Pass
11**	3510.000	36.84	-4.67	59.24	22.40	AV	256.40	100	Vertical	Pass
12	3900.500	49.38	-2.70	79.24	29.86	Peak	338.90	100	Vertical	Pass
12**	3900.500	36.98	-2.70	59.24	22.26	AV	338.90	100	Vertical	Pass
13	4290.000	53.00	-2.38	79.24	26.24	Peak	181.00	100	Vertical	Pass
13**	4290.000	40.60	-2.38	59.24	18.64	AV	181.00	100	Vertical	Pass
14	5069.500	53.02	0.40	79.24	26.22	Peak	11.80	100	Vertical	Pass
14**	5069.500	40.62	0.40	59.24	18.62	AV	11.80	100	Vertical	Pass

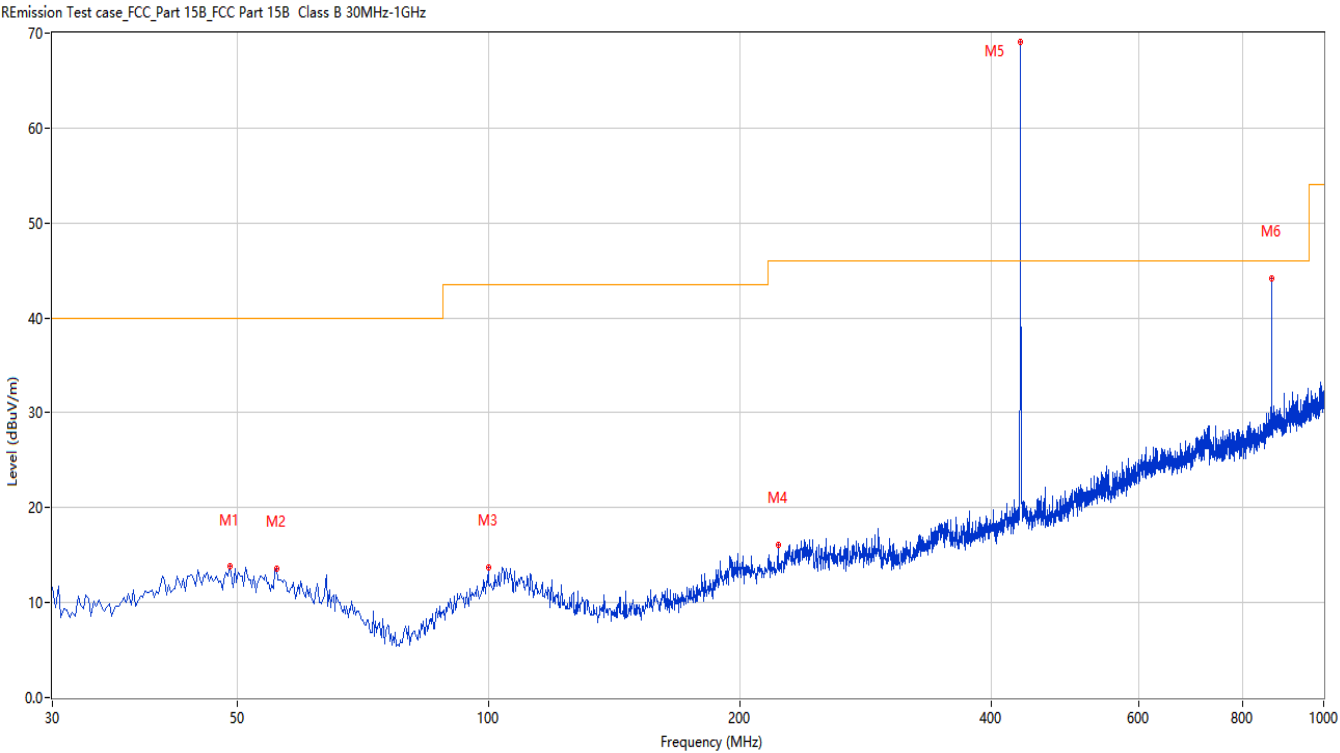
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Radiated Emission-Test Plots	
Operating Frequency	433.4MHz
Antenna Polarization	Horizontal
Test Frequency Range	30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.910	13.78	-23.68	40.0	26.22	Peak	214.20	100	Horizontal	Pass
2	55.699	13.59	-24.17	40.0	26.41	Peak	341.00	100	Horizontal	Pass
3	99.823	13.73	-25.31	43.5	29.77	Peak	168.50	100	Horizontal	Pass
4	222.012	16.03	-24.36	46.0	29.97	Peak	235.70	100	Horizontal	Pass
5	433.177	69.03	-18.18	100.81	31.78	Peak	111.90	100	Horizontal	Pass
5*	433.177	63.18	-18.18	80.81	17.63	AV	111.90	100	Horizontal	Pass
6	866.658	44.20	-9.13	80.81	36.61	Peak	117.30	100	Horizontal	Pass
6*	866.658	38.35	-9.13	60.81	22.46	AV	117.30	100	Horizontal	Pass

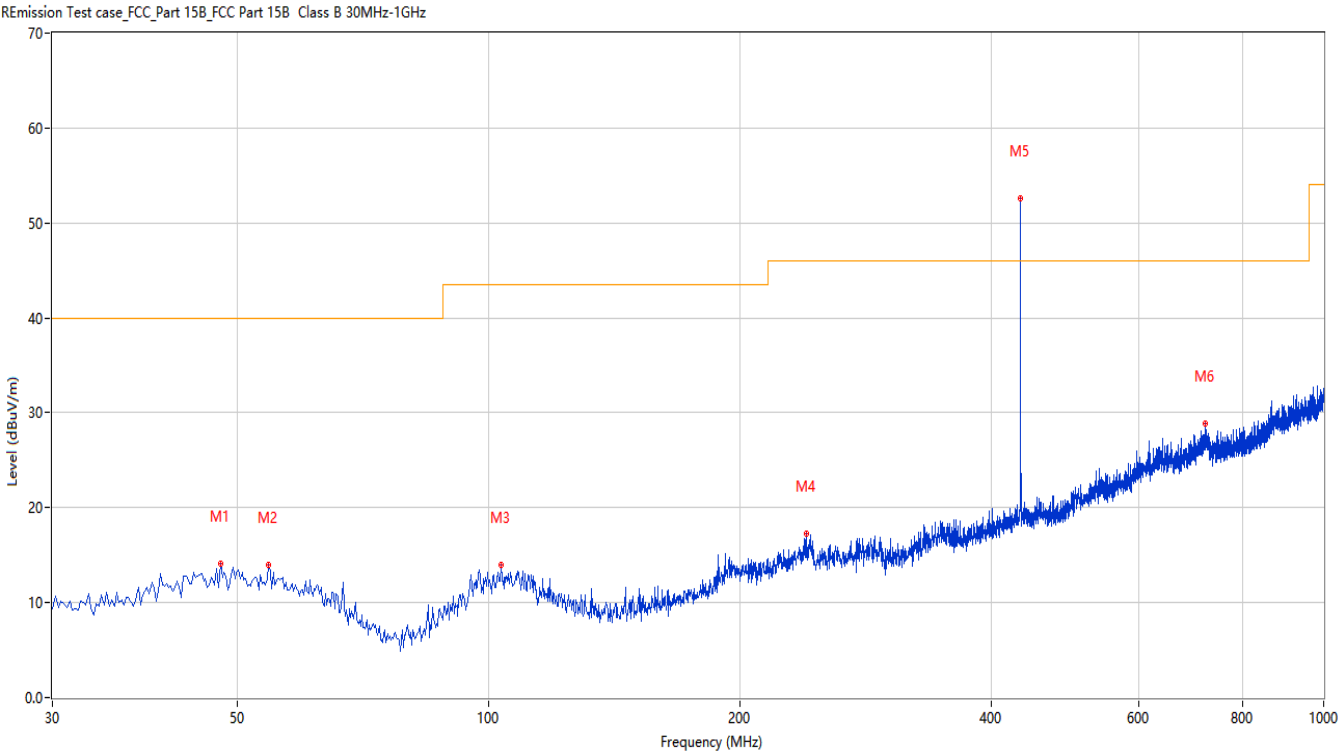
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Radiated Emission-Test Plots	
Operating Frequency	433.4MHz
Antenna Polarization	Vertical
Test Frequency Range	30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	47.698	14.06	-23.70	40.0	25.94	Peak	271.10	100	Vertical	Pass
2	54.486	14.02	-24.02	40.0	25.98	Peak	359.90	100	Vertical	Pass
3	103.459	13.95	-24.95	43.5	29.55	Peak	34.80	100	Vertical	Pass
4	239.953	17.28	-23.07	46.0	28.72	Peak	1.60	100	Vertical	Pass
5	433.177	52.65	-18.18	100.81	48.16	Peak	220.70	100	Vertical	Pass
5*	433.177	46.80	-18.18	80.81	34.01	AV	220.70	100	Vertical	Pass
6	722.164	28.89	-11.99	46.0	17.11	Peak	75.50	100	Vertical	Pass

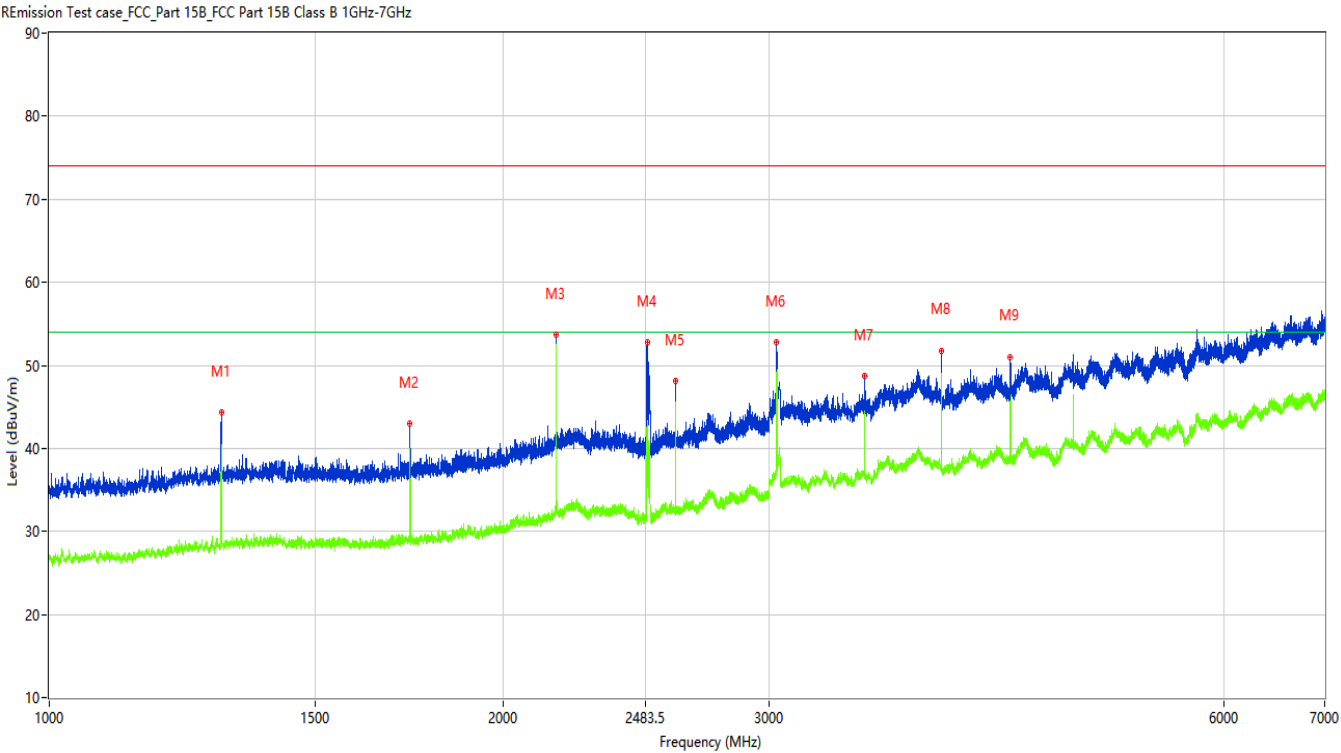
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Radiated Emission-Test Plots	
Operating Frequency	433.4MHz
Antenna Polarization	Horizontal
Test Frequency Range	1GHz-7GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1300.000	44.31	-15.49	80.81	36.50	Peak	284.30	100	Horizontal	Pass
1**	1300.000	38.46	-15.49	60.81	22.35	AV	284.30	100	Horizontal	Pass
2	1733.750	42.99	-14.96	80.81	37.82	Peak	148.30	100	Horizontal	Pass
2**	1733.750	37.14	-14.96	60.81	23.67	AV	148.30	100	Horizontal	Pass
3	2167.250	53.67	-11.56	80.81	27.14	Peak	321.10	100	Horizontal	Pass
3**	2167.250	47.82	-11.56	60.81	12.99	AV	321.10	100	Horizontal	Pass
4	2489.500	52.78	-10.62	74.0	21.22	Peak	321.10	100	Horizontal	Pass
4**	2489.500	42.77	-10.62	54.0	11.23	AV	321.10	100	Horizontal	Pass
5	2600.500	48.15	-9.82	80.81	32.66	Peak	96.10	100	Horizontal	Pass
5**	2600.500	42.30	-9.82	60.81	18.51	AV	96.10	100	Horizontal	Pass
6	3034.000	52.75	-4.57	80.81	28.06	Peak	13.70	100	Horizontal	Pass
6**	3034.000	46.90	-4.57	60.81	13.91	AV	13.70	100	Horizontal	Pass
7	3467.000	48.73	-4.94	80.81	32.08	Peak	2.90	100	Horizontal	Pass
7**	3467.000	42.88	-4.94	60.81	17.93	AV	2.90	100	Horizontal	Pass
8	3900.500	51.79	-2.70	80.81	29.02	Peak	252.20	100	Horizontal	Pass
8**	3900.500	45.94	-2.70	60.81	14.87	AV	252.20	100	Horizontal	Pass

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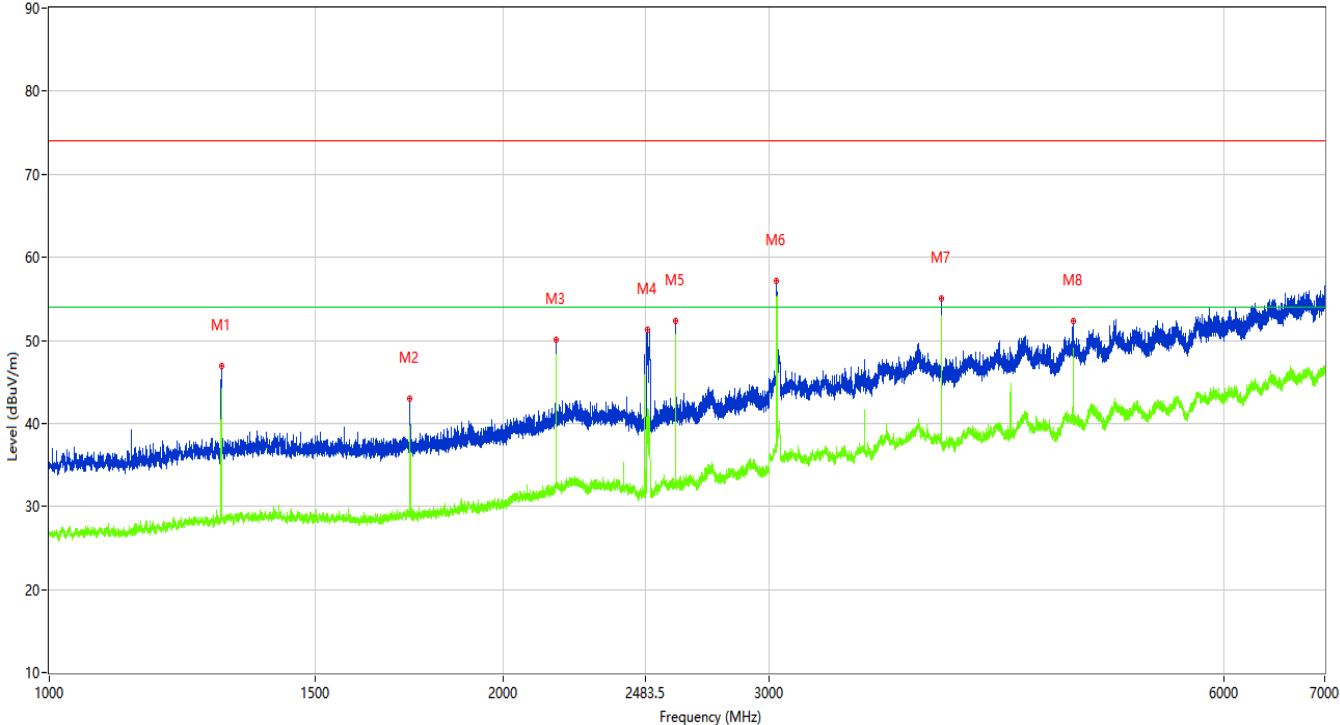
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9	4334.000	50.95	-2.35	80.81	29.86	Peak	360.60	100	Horizontal	Pass
9**	4334.000	45.10	-2.35	60.81	15.71	AV	360.60	100	Horizontal	Pass

Radiated Emission-Test Plots										
Operating Frequency							433.4MHz			
Antenna Polarization							Vertical			
Test Frequency Range							1GHz-7GHz			

REmission Test case_FCC_Part 15B_FCC Part 15B Class B 1GHz-7GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1300.250	46.93	-15.49	80.81	33.88	Peak	46.10	100	Vertical	Pass
1**	1300.250	41.08	-15.49	60.81	19.73	AV	46.10	100	Vertical	Pass
2	1733.750	42.96	-14.96	80.81	37.85	Peak	218.40	100	Vertical	Pass
2**	1733.750	37.11	-14.96	60.81	23.70	AV	218.40	100	Vertical	Pass
3	2167.000	50.09	-11.55	80.81	30.72	Peak	65.20	100	Vertical	Pass
3**	2167.000	44.24	-11.55	60.81	16.57	AV	65.20	100	Vertical	Pass
4	2489.500	51.25	-10.62	74.0	22.75	Peak	2.40	100	Vertical	Pass
4**	2489.500	41.74	-10.62	54.0	12.26	AV	2.40	100	Vertical	Pass
5	2600.500	52.38	-9.82	80.81	28.43	Peak	20.70	100	Vertical	Pass
5**	2600.500	46.53	-9.82	60.81	14.28	AV	20.70	100	Vertical	Pass
6	3033.500	57.15	-4.67	80.81	23.66	Peak	35.20	100	Vertical	Pass
6**	3033.500	51.30	-4.67	60.81	9.51	AV	35.20	100	Vertical	Pass
7	3900.500	55.09	-2.70	80.81	25.72	Peak	55.50	100	Vertical	Pass

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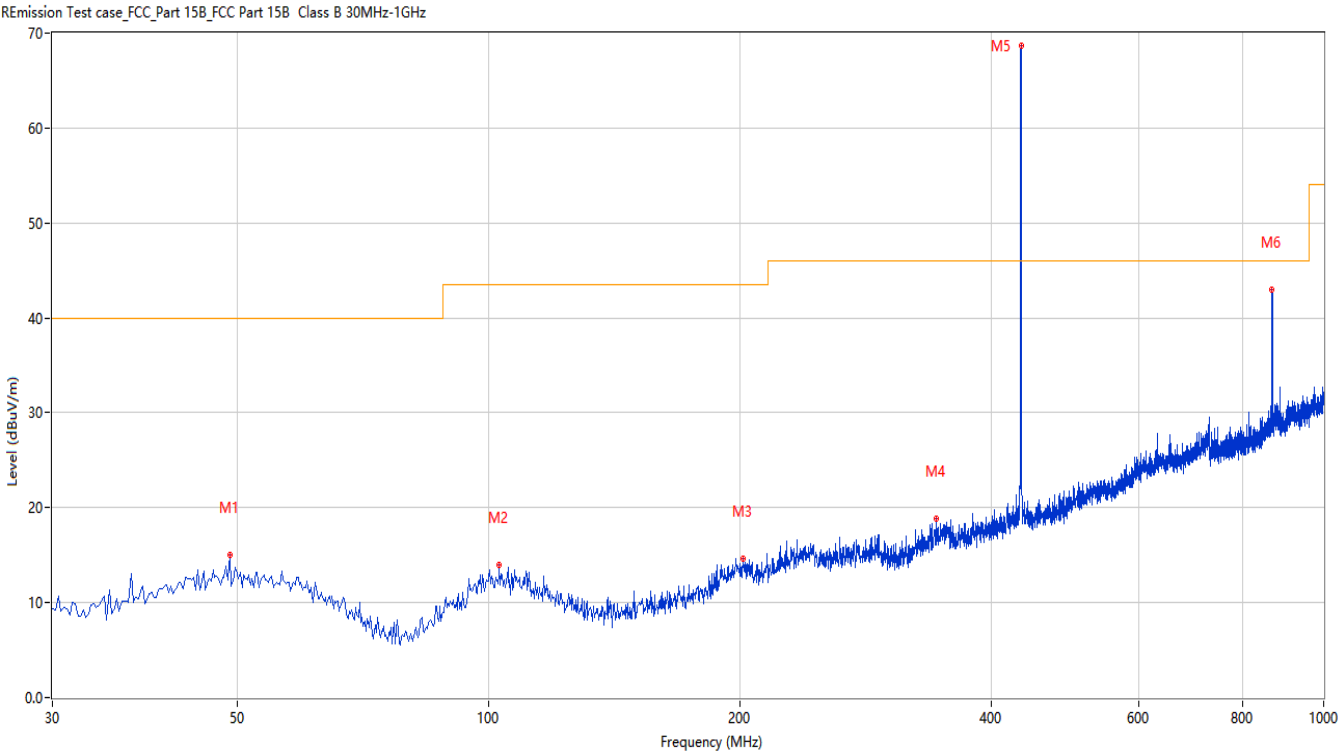
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7**	3900.500	49.24	-2.70	60.81	11.57	AV	55.50	100	Vertical	Pass
8	4767.500	52.34	-0.84	80.81	28.47	Peak	37.20	100	Vertical	Pass
8**	4767.500	46.49	-0.84	60.81	14.32	AV	37.20	100	Vertical	Pass

Radiated Emission-Test Plots									
Operating Frequency					433.92MHz				
Antenna Polarization					Horizontal				
Test Frequency Range					30MHz-1GHz				



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.910	15.03	-23.68	40.0	24.97	Peak	335.50	100	Horizontal	Pass
2	102.974	14.02	-24.98	43.5	29.48	Peak	91.40	100	Horizontal	Pass
3	201.405	14.66	-24.61	43.5	28.84	Peak	332.50	100	Horizontal	Pass
4	343.232	18.79	-20.06	46.0	27.21	Peak	63.70	100	Horizontal	Pass
5	433.904	68.62	-18.17	100.83	32.21	Peak	122.00	100	Horizontal	Pass
5*	433.904	61.08	-18.17	80.83	19.75	AV	122.00	100	Horizontal	Pass
6	867.628	42.92	-9.11	80.83	37.91	Peak	113.90	100	Horizontal	Pass
6*	867.628	35.38	-9.11	60.83	25.45	AV	113.90	100	Horizontal	Pass

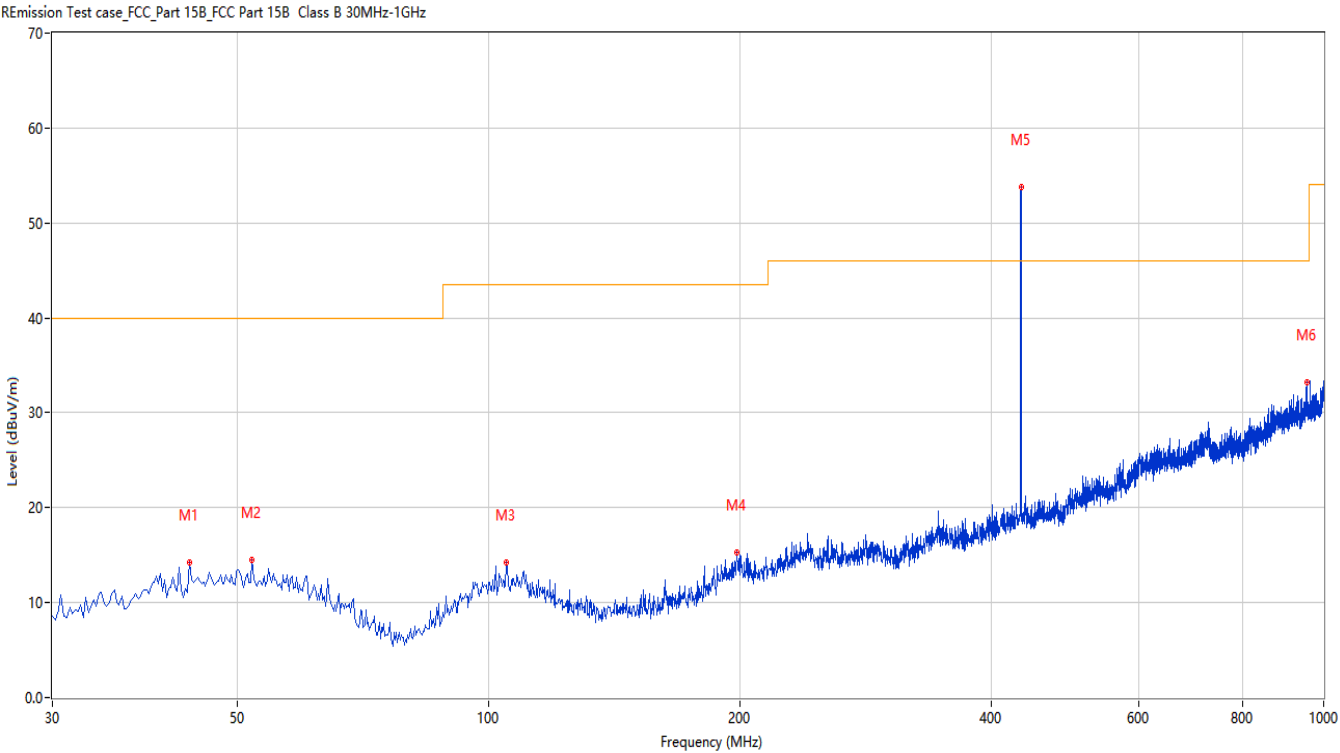
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Radiated Emission-Test Plots	
Operating Frequency	433.92MHz
Antenna Polarization	Vertical
Test Frequency Range	30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	43.819	14.24	-24.07	40.0	25.76	Peak	103.90	100	Vertical	Pass
2	52.062	14.48	-23.78	40.0	25.52	Peak	272.50	100	Vertical	Pass
3	104.914	14.20	-24.91	43.5	29.30	Peak	132.60	100	Vertical	Pass
4	198.253	15.34	-24.52	43.5	28.16	Peak	294.70	100	Vertical	Pass
5	433.904	53.78	-18.17	100.83	47.05	Peak	208.70	100	Vertical	Pass
5*	433.904	46.24	-18.17	80.83	34.59	AV	208.70	100	Vertical	Pass
6	954.906	33.23	-7.41	46.0	12.77	Peak	250.30	100	Vertical	Pass

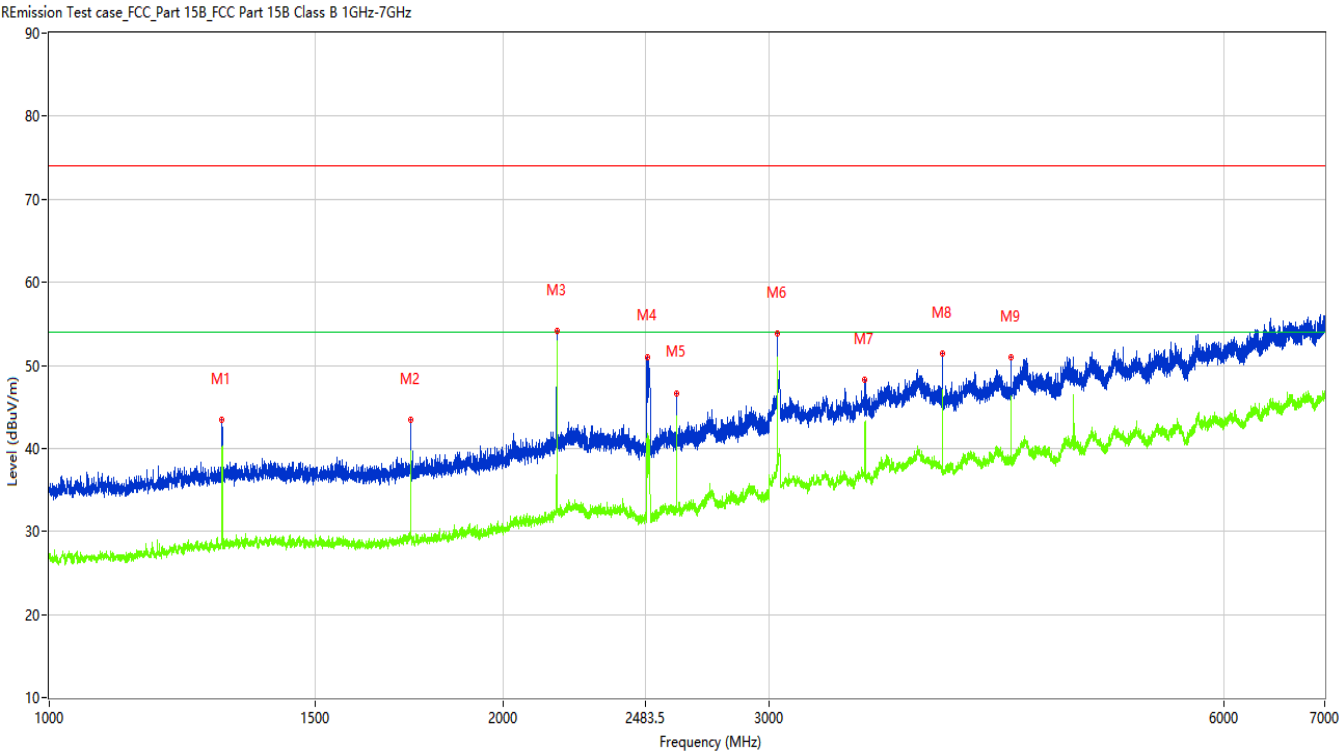
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Radiated Emission-Test Plots	
Operating Frequency	433.92MHz
Antenna Polarization	Horizontal
Test Frequency Range	1GHz-7GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1301.500	43.38	-15.51	80.83	37.45	Peak	285.80	100	Horizontal	Pass
1**	1301.500	35.84	-15.51	60.83	24.99	AV	285.80	100	Horizontal	Pass
2	1736.000	43.47	-14.91	80.83	37.36	Peak	259.70	100	Horizontal	Pass
2**	1736.000	35.93	-14.91	60.83	24.90	AV	259.70	100	Horizontal	Pass
3	2169.750	54.08	-11.61	80.83	26.75	Peak	325.90	100	Horizontal	Pass
3**	2169.750	46.54	-11.61	60.83	14.29	AV	325.90	100	Horizontal	Pass
4	2489.250	51.04	-10.62	74.0	22.96	Peak	35.30	100	Horizontal	Pass
4**	2489.250	41.16	-10.62	54.0	12.84	AV	35.30	100	Horizontal	Pass
5	2603.250	46.61	-9.74	80.83	34.22	Peak	101.20	100	Horizontal	Pass
5**	2603.250	39.07	-9.74	60.83	21.76	AV	101.20	100	Horizontal	Pass
6	3037.500	53.85	-3.90	80.83	26.98	Peak	13.70	100	Horizontal	Pass
6**	3037.500	46.31	-3.90	60.83	14.52	AV	13.70	100	Horizontal	Pass
7	3471.000	48.25	-4.98	80.83	32.31	Peak	359.80	100	Horizontal	Pass
7**	3471.000	40.71	-4.98	60.83	20.12	AV	359.80	100	Horizontal	Pass
8	3905.000	51.44	-2.56	80.83	29.39	Peak	180.80	100	Horizontal	Pass
8**	3905.000	43.90	-2.56	60.83	16.93	AV	180.80	100	Horizontal	Pass

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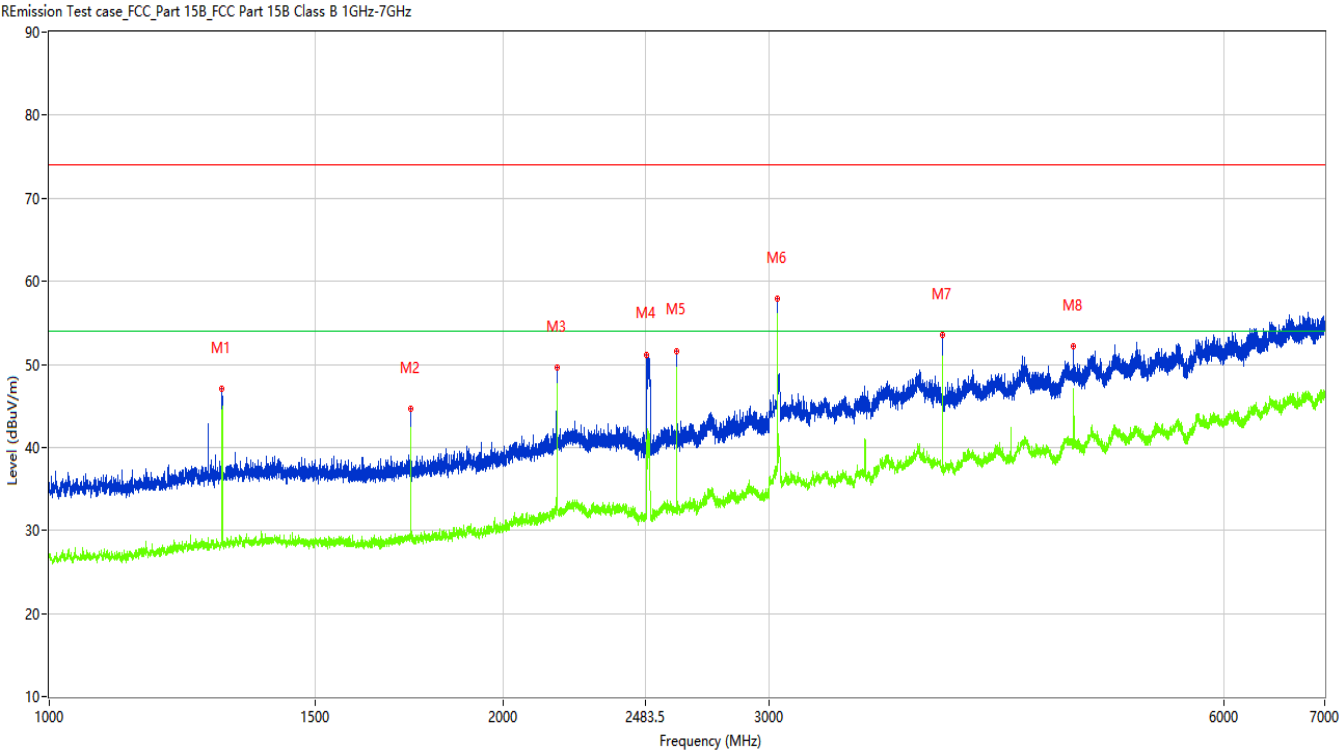
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9	4339.000	50.98	-2.35	80.83	29.85	Peak	147.70	100	Horizontal	Pass
9**	4339.000	43.44	-2.35	60.83	17.39	AV	147.70	100	Horizontal	Pass

Radiated Emission-Test Plots										
Operating Frequency							433.92MHz			
Antenna Polarization							Vertical			
Test Frequency Range							1GHz-7GHz			



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1301.750	47.07	-15.51	80.83	33.76	Peak	40.20	100	Vertical	Pass
1**	1301.750	39.53	-15.51	60.83	21.30	AV	40.20	100	Vertical	Pass
2	1735.500	44.67	-14.92	80.83	36.16	Peak	222.30	100	Vertical	Pass
2**	1735.500	37.13	-14.92	60.83	23.70	AV	222.30	100	Vertical	Pass
3	2169.750	49.66	-11.61	80.83	31.17	Peak	349.40	100	Vertical	Pass
3**	2169.750	42.12	-11.61	60.83	18.71	AV	349.40	100	Vertical	Pass
4	2489.000	51.07	-10.62	74.0	22.93	Peak	246.20	100	Vertical	Pass
4**	2489.000	40.10	-10.62	54.0	13.90	AV	246.20	100	Vertical	Pass
5	2603.500	51.63	-9.74	80.83	29.20	Peak	12.10	100	Vertical	Pass
5**	2603.500	44.09	-9.74	60.83	16.74	AV	12.10	100	Vertical	Pass
6	3037.500	57.90	-3.90	80.83	22.93	Peak	39.30	100	Vertical	Pass
6**	3037.500	50.36	-3.90	60.83	10.47	AV	39.30	100	Vertical	Pass
7	3905.500	53.53	-2.54	80.83	27.30	Peak	54.70	100	Vertical	Pass

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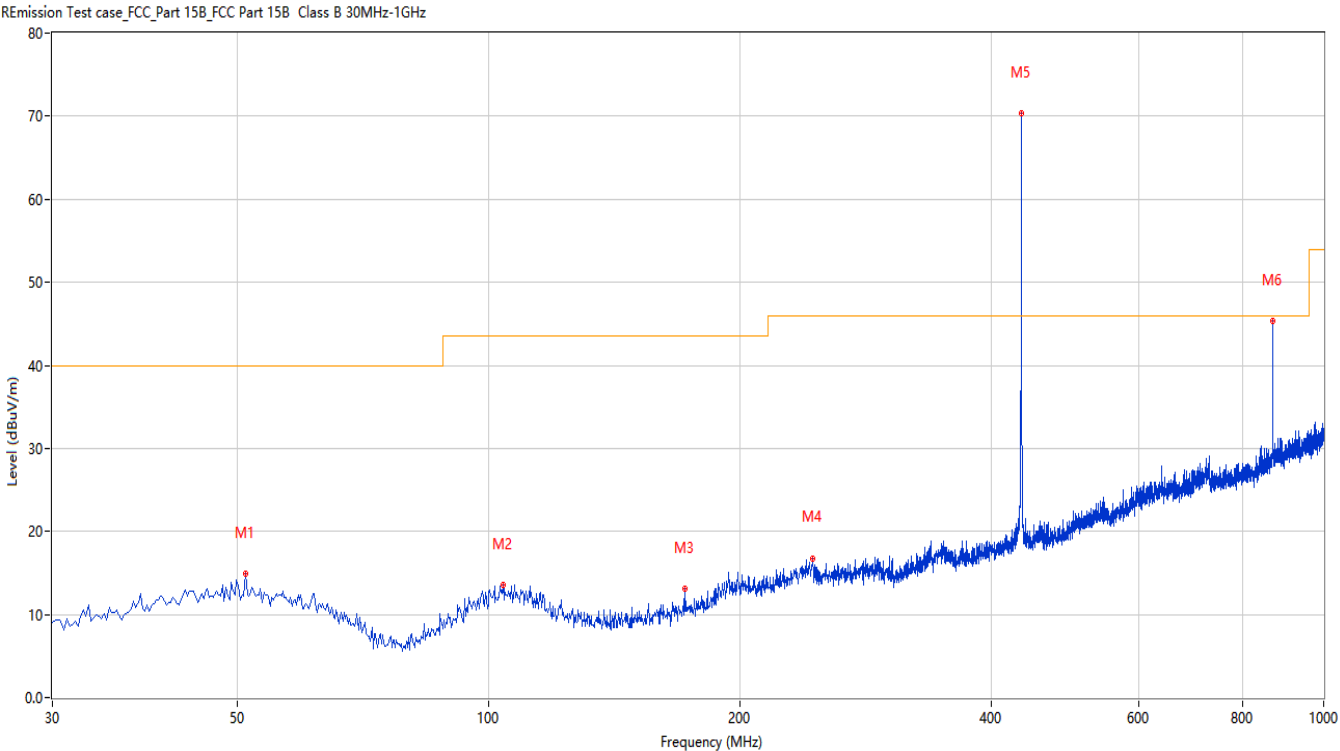
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7**	3905.500	45.99	-2.54	60.83	14.84	AV	54.70	100	Vertical	Pass
8	4773.500	52.22	-1.04	80.83	28.61	Peak	48.20	100	Vertical	Pass
8**	4773.500	44.68	-1.04	60.83	16.15	AV	48.20	100	Vertical	Pass

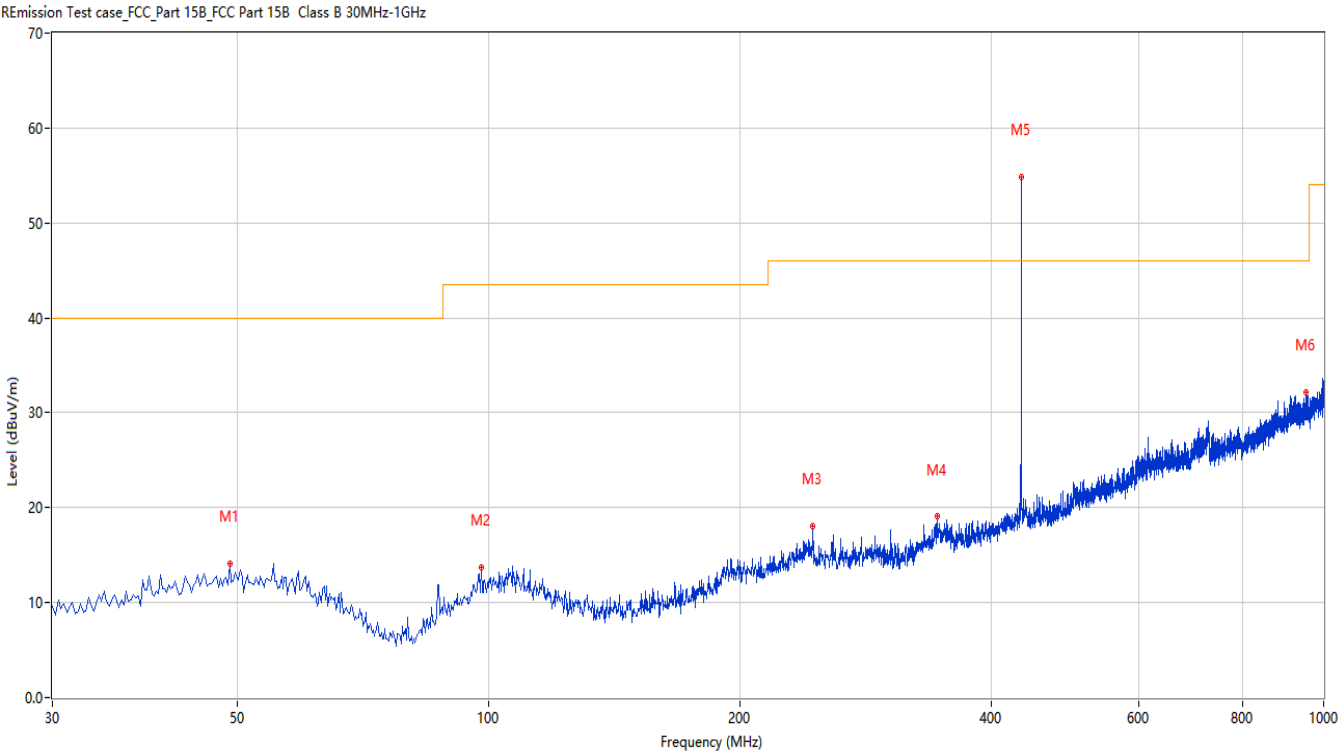
Radiated Emission-Test Plots										
Operating Frequency						434.4MHz				
Antenna Polarization						Horizontal				
Test Frequency Range						30MHz-1GHz				



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	51.092	14.91	-23.73	40.0	25.09	Peak	61.20	100	Horizontal	Pass
2	103.944	13.60	-24.93	43.5	29.90	Peak	77.30	100	Horizontal	Pass
3	171.585	13.08	-27.36	43.5	30.42	Peak	262.20	100	Horizontal	Pass
4	244.316	16.78	-22.93	46.0	29.22	Peak	213.50	100	Horizontal	Pass
5	434.146	70.36	-18.17	100.84	30.48	Peak	117.90	100	Horizontal	Pass
5*	434.146	70.36	-18.17	80.84	10.48	AV	117.90	100	Horizontal	Pass
6	868.598	45.28	-9.09	80.84	35.56	Peak	114.20	100	Horizontal	Pass
6*	868.598	45.28	-9.09	60.84	15.56	AV	114.20	100	Horizontal	Pass

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Radiated Emission-Test Plots	
Operating Frequency	434.4MHz
Antenna Polarization	Vertical
Test Frequency Range	30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.910	14.15	-23.68	40.0	25.85	Peak	248.20	100	Vertical	Pass
2	97.883	13.69	-25.56	43.5	29.81	Peak	63.00	100	Vertical	Pass
3	244.559	18.02	-22.92	46.0	27.98	Peak	320.80	100	Vertical	Pass
4	344.201	19.05	-19.95	46.0	26.95	Peak	213.90	100	Vertical	Pass
5	434.389	54.86	-18.17	100.84	45.98	Peak	217.60	100	Vertical	Pass
5	434.389	54.86	-18.17	80.84	25.98	AV	217.60	100	Vertical	Pass
6	951.270	32.14	-7.41	46.0	13.86	Peak	289.70	100	Vertical	Pass

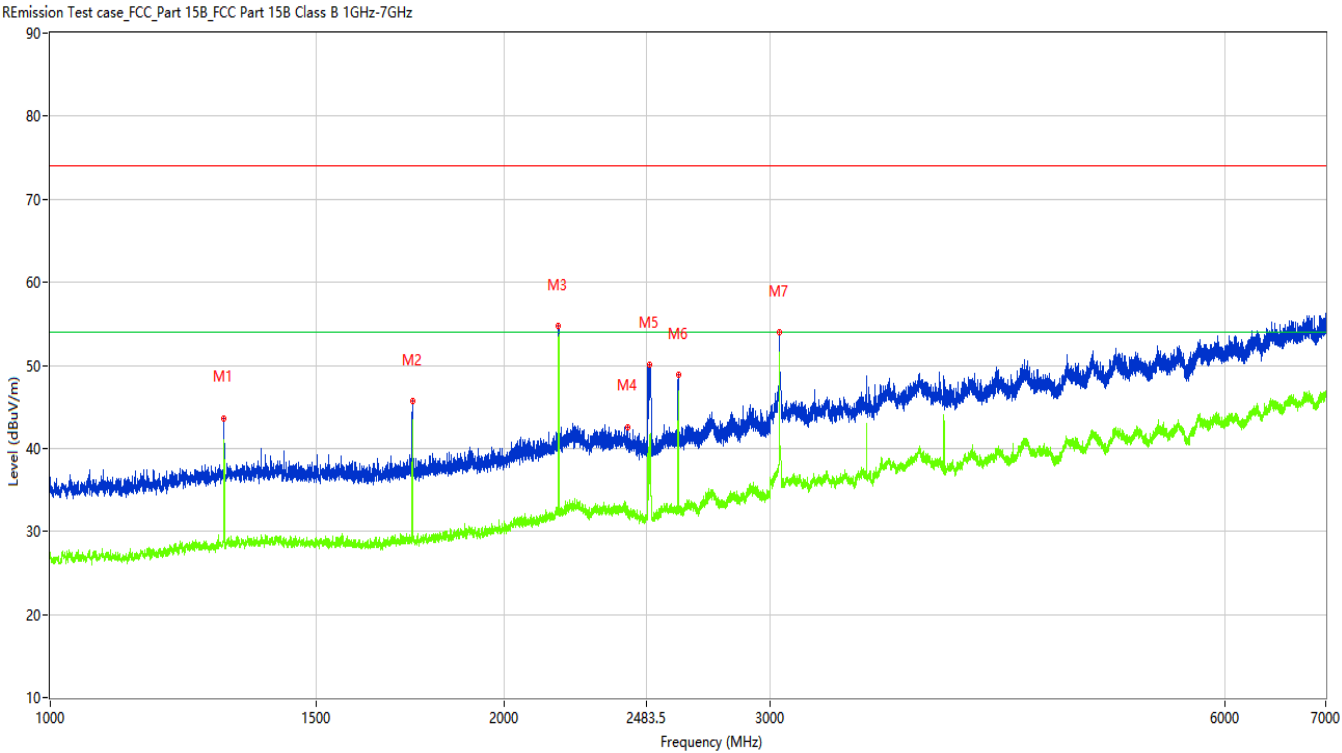
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Radiated Emission-Test Plots	
Operating Frequency	434.4MHz
Antenna Polarization	Horizontal
Test Frequency Range	1GHz-7GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1303.250	43.67	-15.52	80.84	37.17	Peak	285.10	100	Horizontal	Pass
1**	1303.250	43.67	-15.52	60.84	17.17	AV	285.10	100	Horizontal	Pass
2	1737.750	45.72	-14.92	80.84	35.12	Peak	149.60	100	Horizontal	Pass
2**	1737.750	45.72	-14.92	60.84	15.12	AV	149.60	100	Horizontal	Pass
3	2172.000	54.75	-11.56	80.84	26.09	Peak	325.10	100	Horizontal	Pass
3**	2172.000	54.75	-11.56	60.84	6.09	AV	325.10	100	Horizontal	Pass
4	2412.000	42.48	-10.04	74.0	31.52	Peak	165.80	100	Horizontal	Pass
4**	2412.000	32.16	-10.04	54.0	21.84	AV	165.80	100	Horizontal	Pass
5	2497.000	50.13	-10.54	74.0	23.87	Peak	3.50	100	Horizontal	Pass
5**	2497.000	41.32	-10.54	54.0	12.68	AV	3.50	100	Horizontal	Pass
6	2606.500	48.92	-9.64	80.84	31.92	Peak	98.30	100	Horizontal	Pass
6**	2606.500	48.92	-9.64	60.84	11.92	AV	98.30	100	Horizontal	Pass
7	3041.000	54.02	-3.22	80.84	26.82	Peak	15.00	100	Horizontal	Pass
7**	3041.000	54.02	-3.22	60.84	6.82	AV	15.00	100	Horizontal	Pass

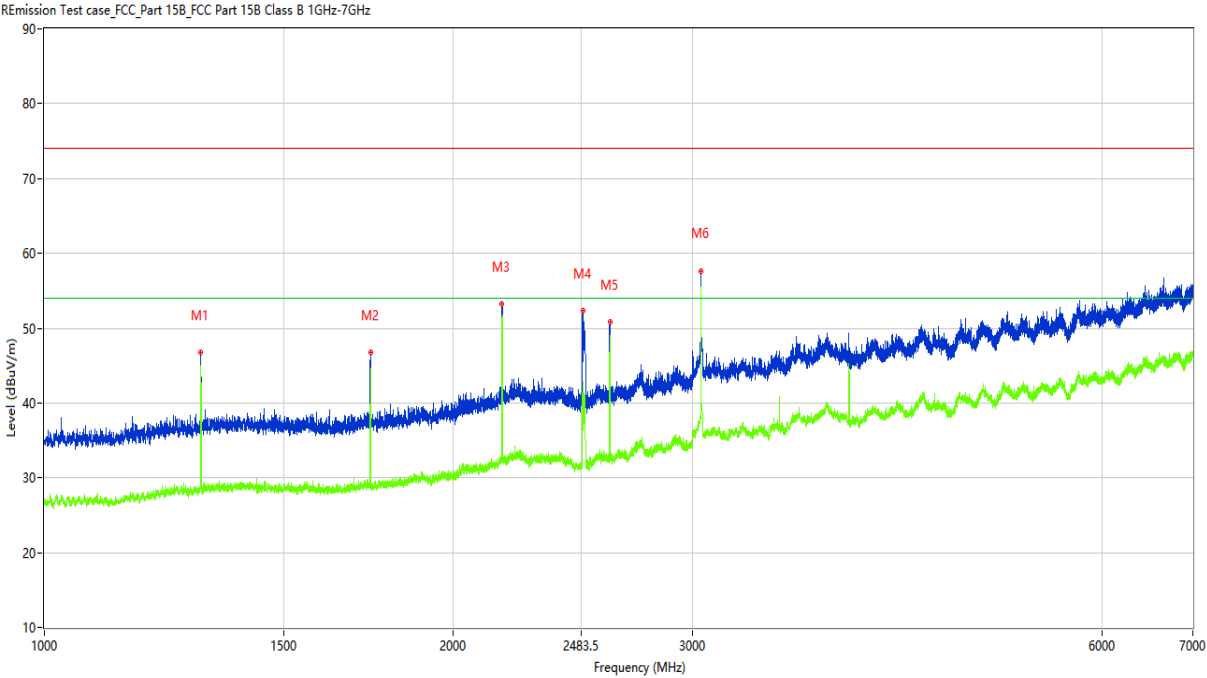
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Radiated Emission-Test Plots	
Operating Frequency	434.4MHz
Antenna Polarization	Vertical
Test Frequency Range	1GHz-7GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1303.250	46.79	-15.52	80.84	34.05	Peak	227.20	100	Vertical	Pass
1**	1303.250	46.79	-15.52	60.84	14.05	AV	227.20	100	Vertical	Pass
2	1737.750	46.71	-14.92	80.84	34.13	Peak	35.10	100	Vertical	Pass
2**	1737.750	46.71	-14.92	60.84	14.13	AV	35.10	100	Vertical	Pass
3	2171.750	53.17	-11.56	80.84	27.67	Peak	37.30	100	Vertical	Pass
3**	2171.750	53.17	-11.56	60.84	7.67	AV	37.30	100	Vertical	Pass
4	2489.500	52.38	-10.62	74.0	21.62	Peak	178.20	100	Vertical	Pass
4**	2489.500	41.22	-10.62	54.0	12.78	AV	178.20	100	Vertical	Pass
5	2606.500	50.88	-9.64	80.84	29.96	Peak	245.20	100	Vertical	Pass
5**	2606.500	50.88	-9.64	60.84	9.96	AV	245.20	100	Vertical	Pass
6	3041.000	57.67	-3.22	80.84	23.17	Peak	34.20	100	Vertical	Pass
6**	3041.000	57.67	-3.22	60.84	3.17	AV	34.20	100	Vertical	Pass

Note:

- Factor=Antenna Factor + Cable loss - Amplifier gain, Margin= Results- Limit.
- The “Factor” value can be calculated automatically by software of measurement system.
- AV Value(Field strength of fundamental or Field strength of spurious emissions) is Peak + Duty cycle Correction Factor.

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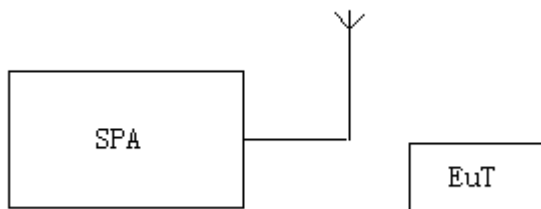
4.1.5 20dB Bandwidth

RESULT:

PASS

Test standard : §15.231(c)
Requirement : ANSI C63.10-2020

Test setup



Test procedure

1. Set the parameters of SPA as below:
 - Centre frequency = Operation Frequency
 - RBW shall be in the range of 1% to 5% of the OBW
 - VBW shall be at least three times RBW
 - Span shall be between two times and five times the OBW
 - Sweep time: Auto
2. Set the EUT to continue transmitting mode. Allow the trace to stabilize. Use the “N dB down” function of SPA to define the bandwidth.
3. Record the plots and Reported.

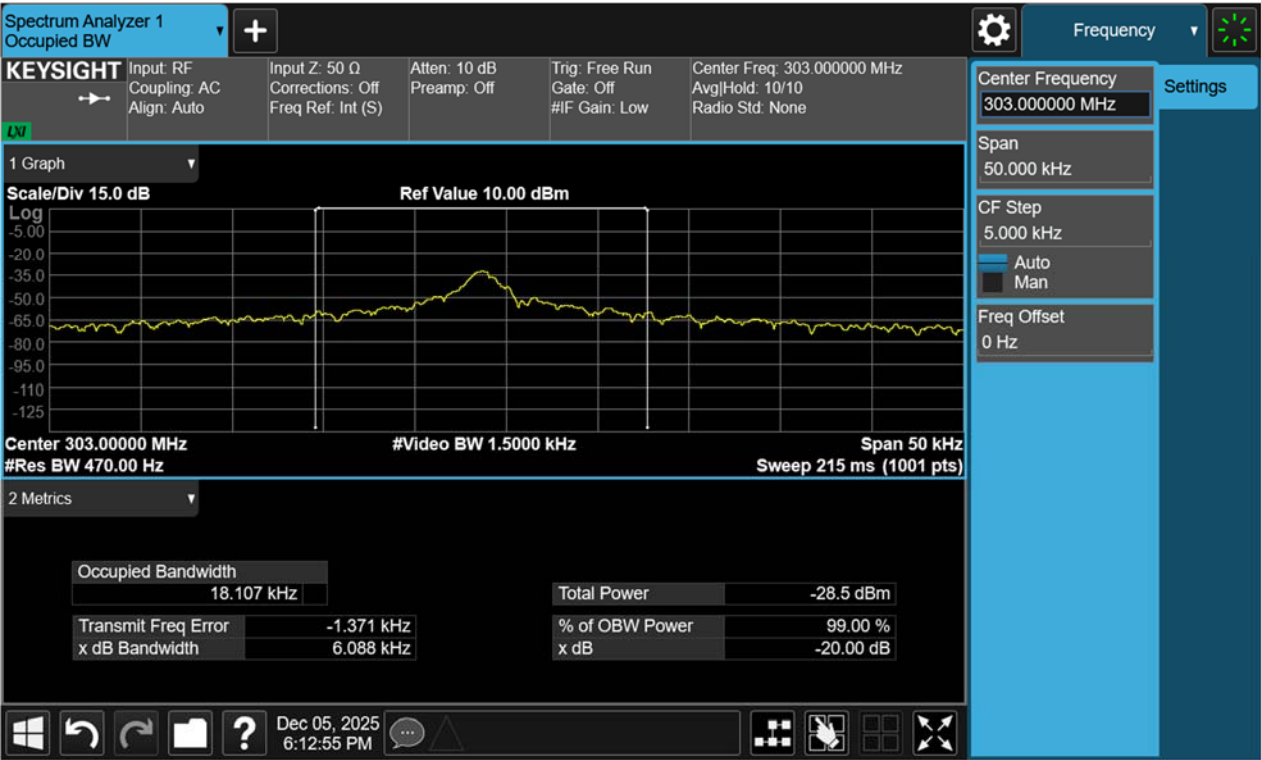
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Test Data

Operating Frequency	20dB Bandwidth (KHz)	Limit (KHz)	Result
303MHz	6.088	757.5	Pass
310MHz	2.643	775.0	Pass
315MHz	3.593	787.5	Pass
318MHz	5.324	795.0	Pass
390MHz	4.853	975.0	Pass
433.4MHz	4.818	1083.5	Pass
433.92MHz	6.066	1084.8	Pass
434.4MHz	31.74	1086.0	Pass

Note: Limit= Operating Frequency ×0.25%.

Test Plots	
Operating Frequency	303MHz



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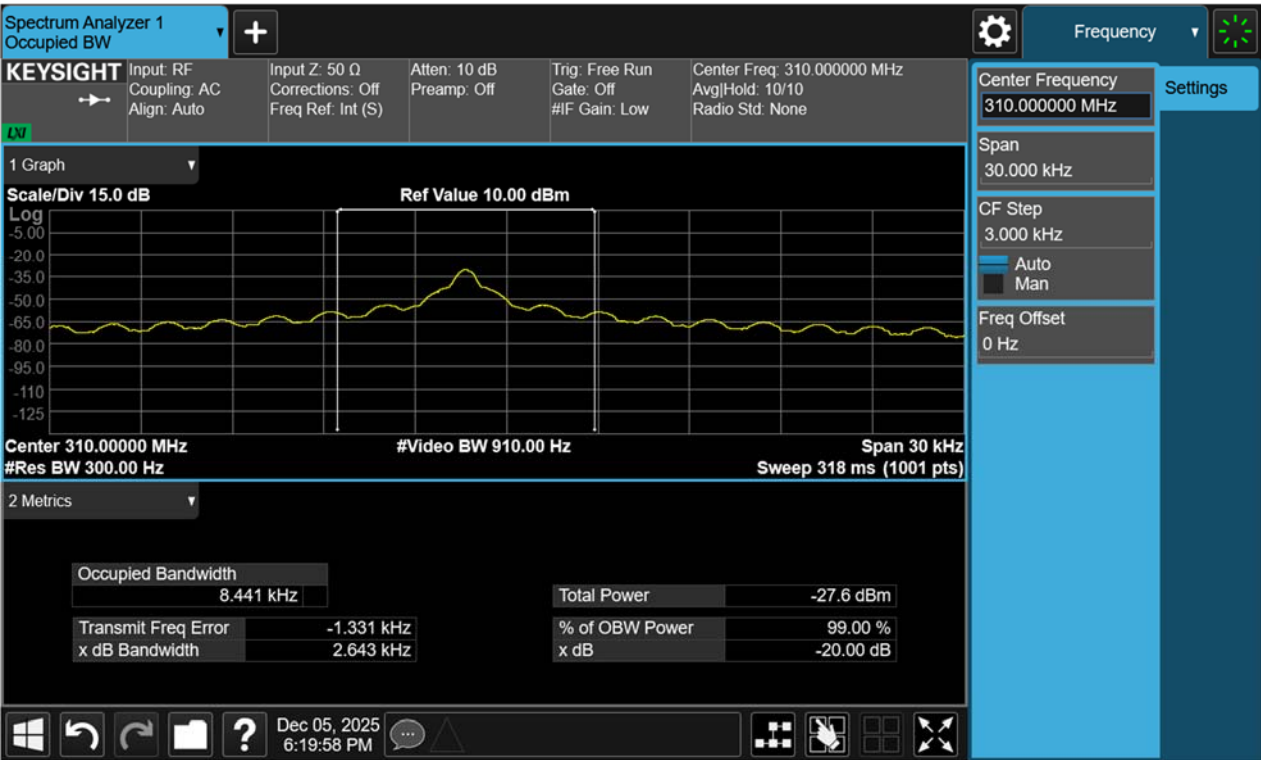
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Test Plots

Operating Frequency

310MHz



Test Plots

Operating Frequency

315MHz



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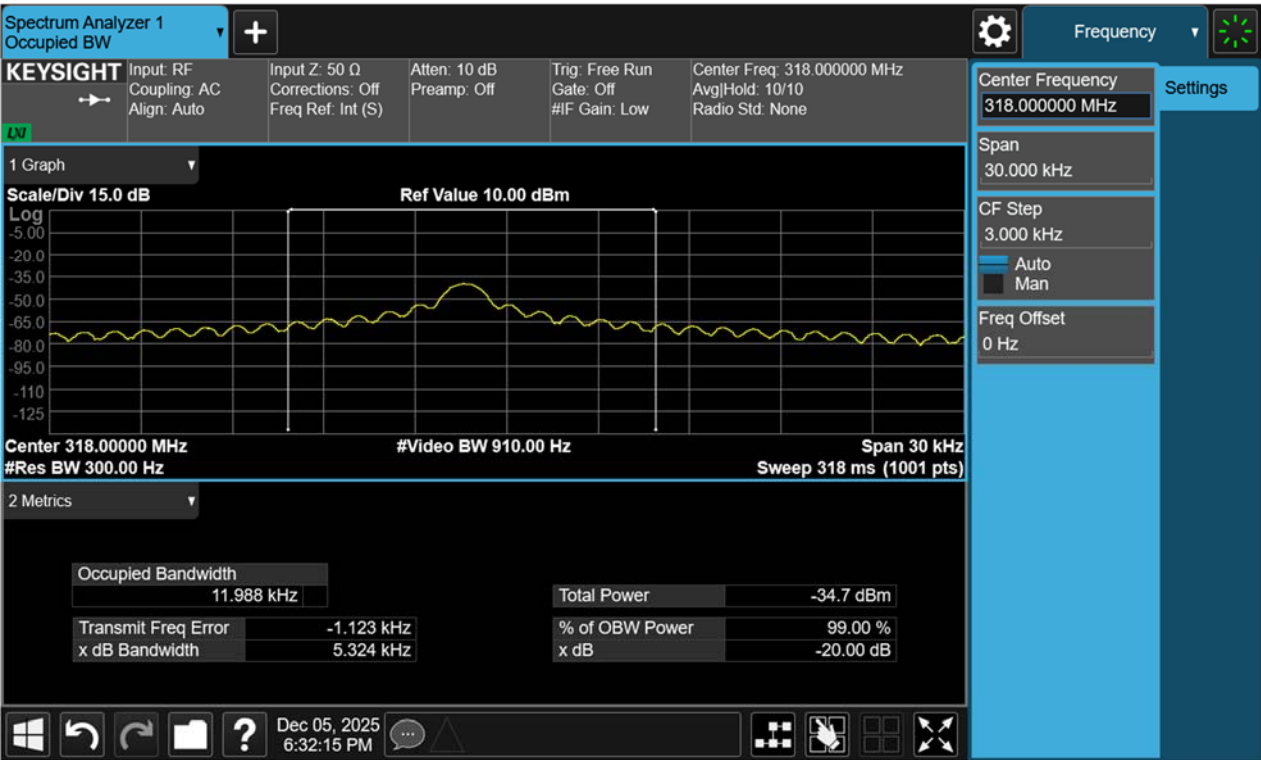
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Test Plots

Operating Frequency

318MHz



Test Plots

Operating Frequency

390MHz



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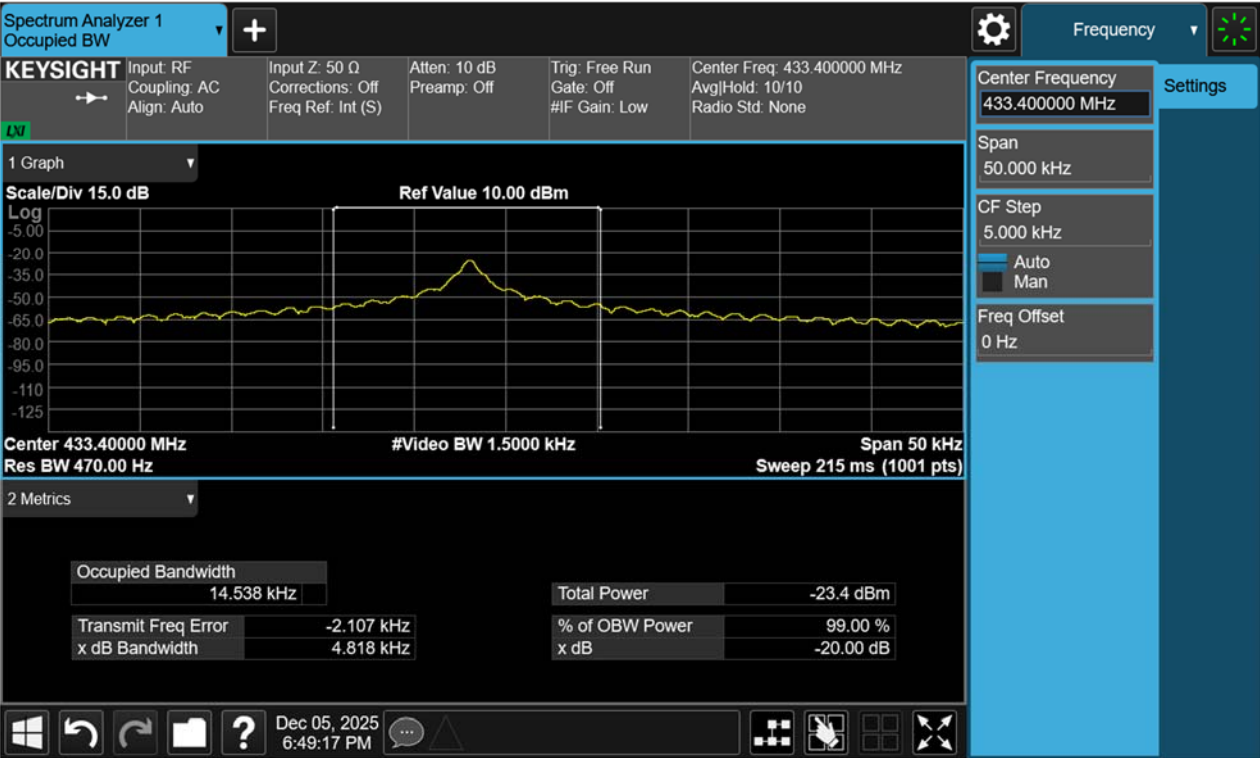
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Test Plots

Operating Frequency

433.4MHz



Test Plots

Operating Frequency

433.92MHz



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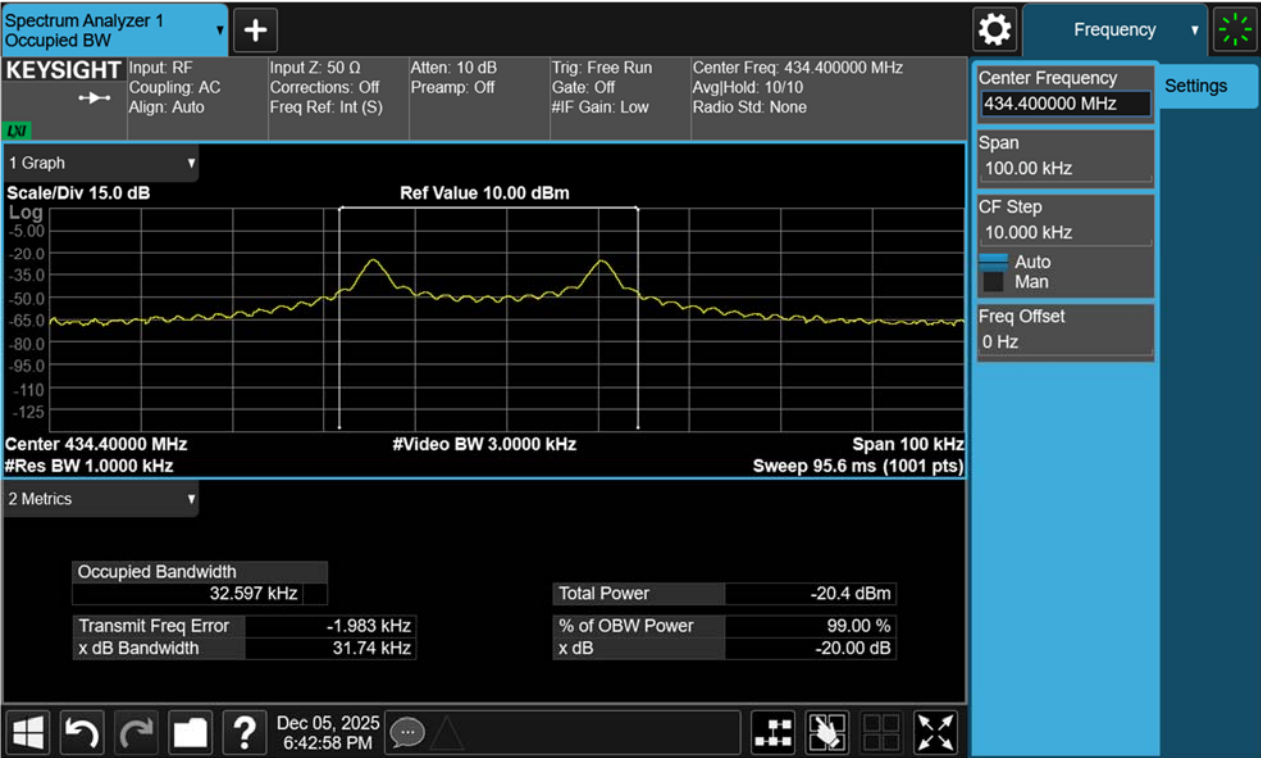
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Test Plots

Operating Frequency

434.4MHz



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5 Appendixes

5.1 External Photo of the Sample



Top view of EUT



Bottom view of EUT

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Front view of EUT

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Back view of EUT



Left view of EUT

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Right view of EUT

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5.2 Internal Photo of the Sample



Open view-1 of EUT



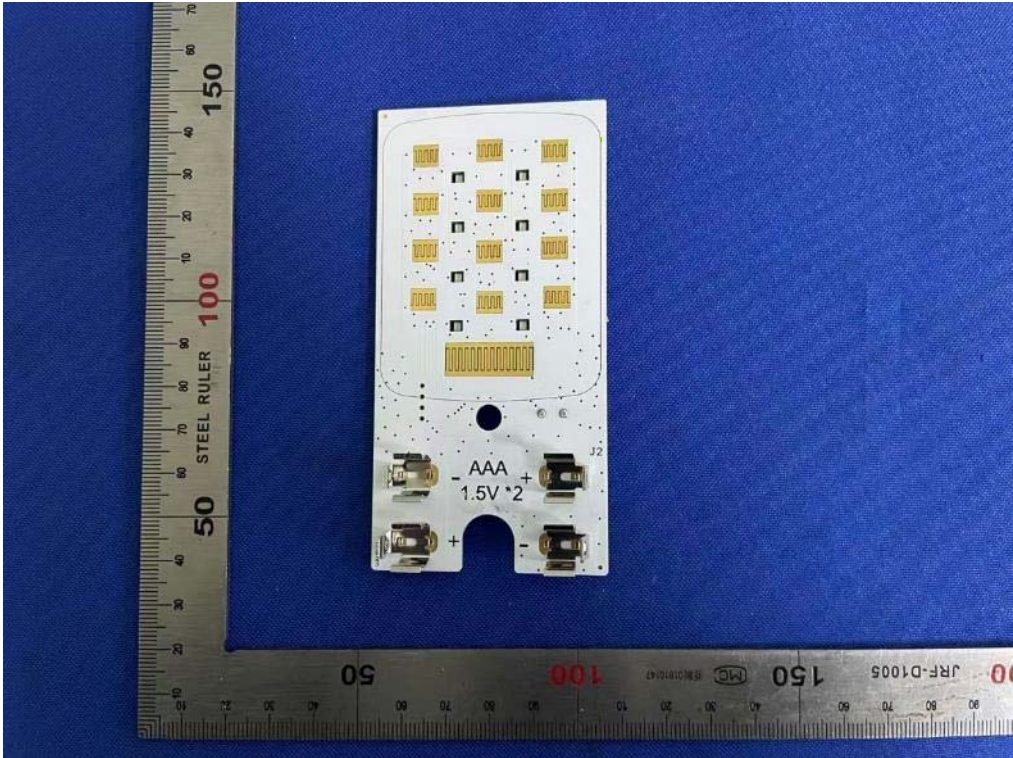
Open view-2 of EUT

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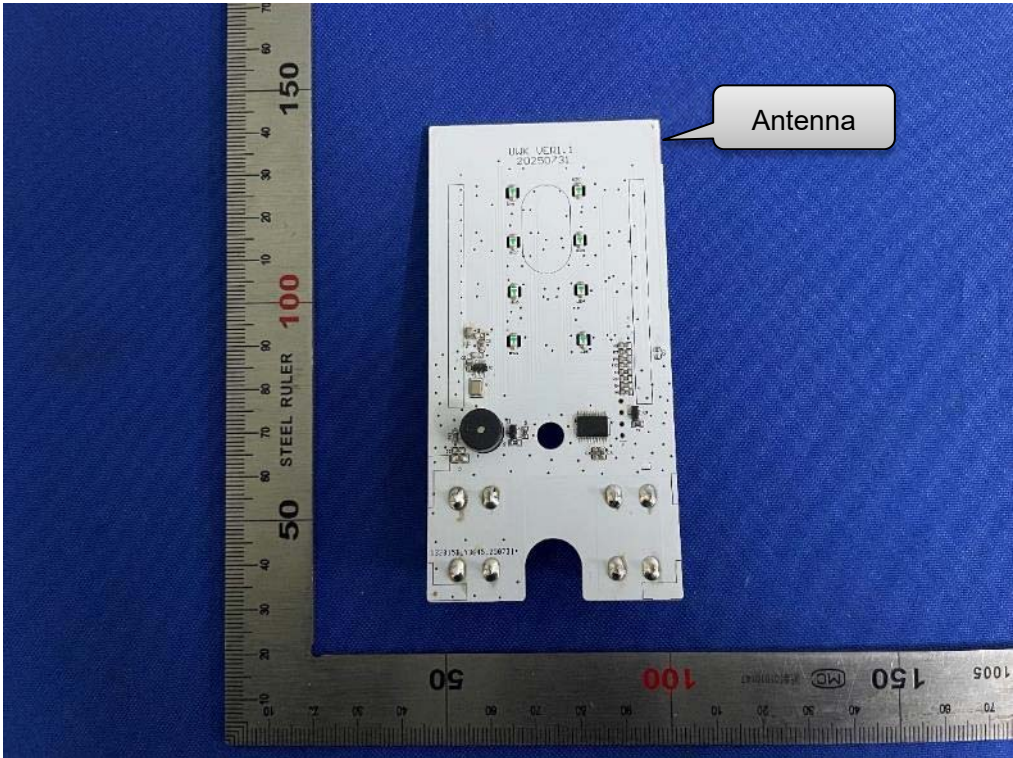
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Internal view-1 of EUT



Internal view-2 of EUT

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5.3 Photographs of the Test Set-up

FCC Radiated Emission Test Setup-below 1GHz



FCC Radiated Emission Test Setup-above 1GHz



End of the report