

Mode: 3DH5
Middle Frequency (2441MHz)
Environment: 23.3°C/48%RH/101.0kPa
Test Engineer: Qin Tingting

Date: 2025-02-07
Test Voltage: DC 3.7V

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	18767.1250	49.46	52.50	42.96	3.04	74	31.04	100	199	Horizontal
2	19855.1250	47.80	51.37	41.83	3.57	74	32.17	100	142	Horizontal
3	21053.2000	46.77	50.83	41.29	4.06	74	32.71	100	22	Horizontal
4	22180.3000	46.56	50.01	40.47	3.45	74	33.53	100	221	Horizontal
5	25397.9750	43.68	48.93	39.39	5.25	74	34.61	100	2	Horizontal
6	26094.1250	43.58	48.78	39.24	5.20	74	34.76	100	160	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	18566.9500	48.25	51.09	41.55	2.84	74	32.45	100	237	Vertical
2	19460.3000	47.55	51.27	41.73	3.72	74	32.27	100	159	Vertical
3	19933.3250	47.46	51.66	42.12	4.20	74	31.88	100	119	Vertical
4	21847.9500	46.56	50.63	41.09	4.07	74	32.91	100	140	Vertical
5	23797.8500	44.68	49.98	40.44	5.30	74	33.56	100	159	Vertical
6	26487.6750	43.36	49.58	40.04	6.22	74	33.96	100	338	Vertical

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Mode: 3DH5
 Highest Frequency (2480MHz)
 Environment: 23.3°C/48%RH/101.0kPa
 Test Engineer: Qin Tingting

Date: 2025-02-07
 Test Voltage: DC 3.7V

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	19185.3250	48.10	51.19	41.65	3.09	74	32.35	100	141	Horizontal
2	20289.9000	47.09	50.97	41.43	3.88	74	32.57	100	241	Horizontal
3	21578.0750	46.82	50.81	41.27	3.99	74	32.73	100	262	Horizontal
4	22927.8750	44.37	48.74	39.20	4.37	74	34.80	100	339	Horizontal
5	25207.5750	43.94	49.32	39.78	5.38	74	34.22	100	262	Horizontal
6	26445.1750	43.23	48.54	39.00	5.31	74	35.00	100	241	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	19016.1750	48.24	51.56	42.02	3.32	74	31.98	100	133	Vertical
2	20157.7250	47.23	51.52	41.98	4.29	74	32.02	100	179	Vertical
3	20885.3250	46.28	50.54	41.00	4.26	74	33.00	100	14	Vertical
4	23104.6750	44.78	49.80	40.26	5.02	74	33.74	100	157	Vertical
5	25734.5750	43.24	49.27	39.73	6.03	74	34.27	100	261	Vertical
6	26483.8500	43.07	49.28	39.74	6.21	74	34.26	100	114	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)

14. RESTRICTED BANDS OF OPERATION

14.1 LIMITS

Section 15.247(d) In addition, Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

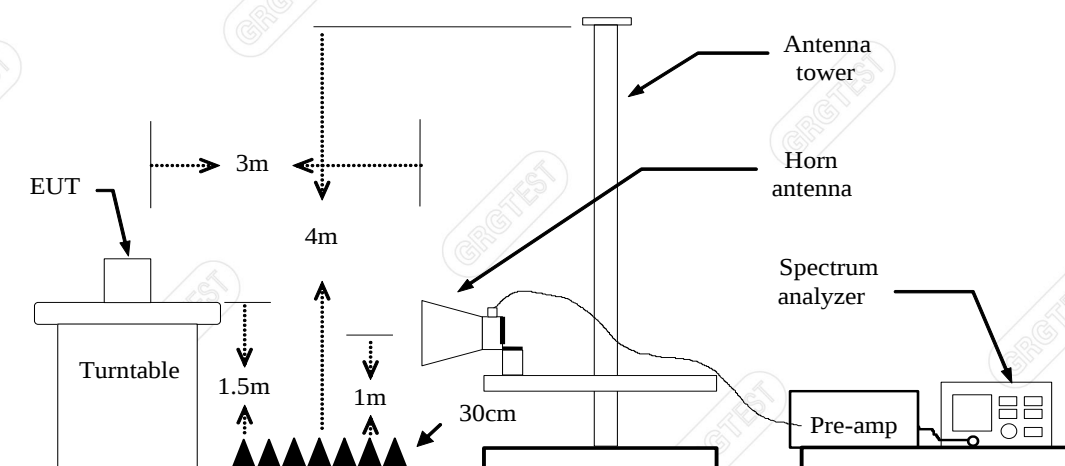
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 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 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 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	
13.36 - 13.41			

Frequency (MHz)	Quasi-peak(μ V/m)	Measurement distance(m)	Quasi-peak(dB μ V/m)@distance 3m
0.009-0.490	2400/F(kHz)	300	128.5~93.8
0.490-1.705	24000/F(kHz)	30	73.8~63
1.705-30.0	30	30	69.5
30 ~ 88	100	3	40
88~216	150	3	43.5
216 ~ 960	200	3	46
Above 960	500	3	54

14.2 TEST PROCEDURES

- 1) The EUT is placed on a turntable, which is 1.5m above the ground plane.
- 2) The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4) Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - a) PEAK: RBW=1MHz / VBW=1MHz / Sweep=AUTO.
 - b) AVERAGE: RBW=1MHz / VBW=1/T / Sweep=AUTO. Where T is defined in section 2.8.
- 5) Repeat the procedures until all the PEAK and AVERAGE versus polarization are measured.
- 6) The EUT was tested under 3-axes(X,Y,Z) position(X denotes lying on the table,Y denotes horizontal stand and Z denotes vertical stand), After pre-test, It was found that the worst case radiated spurious emissions was both the EUT at the Y position. So the data shown was the Y position only.

14.3 TEST SETUP



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14.4 TEST RESULTS

DH5

Lowest Channel

Frequency 2402MHz

Environment: 22.8°C/50%RH/101.0kPa

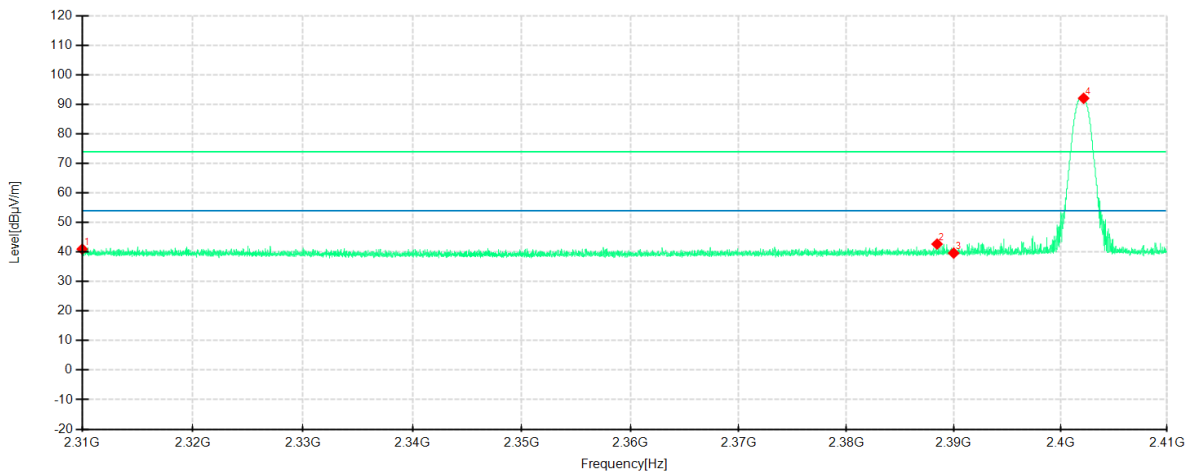
Tested By: Qin Tingting

Detector mode: Peak

Test Voltage: DC 3.7V

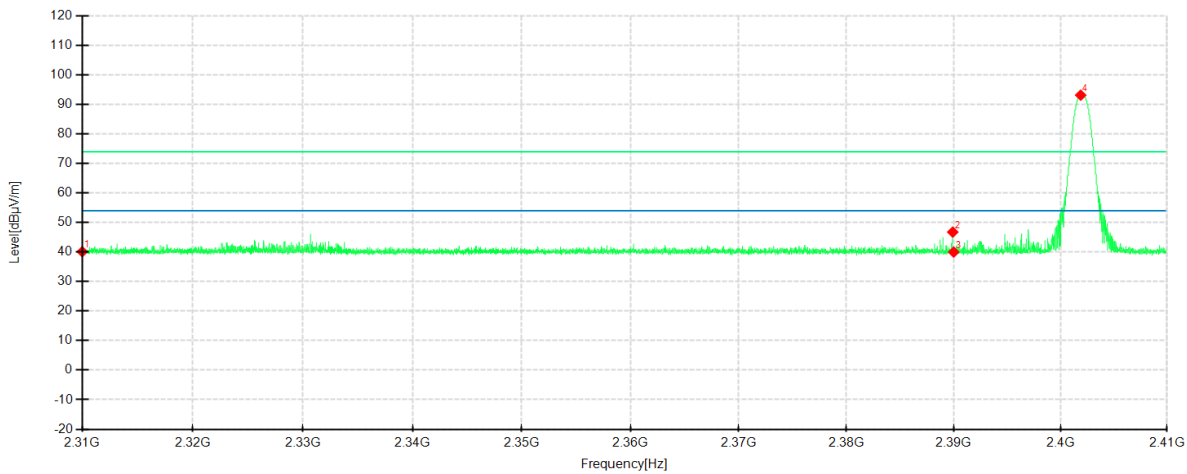
Date: 2025-02-21

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dB μ V/m	Level dB μ V/m	Factor dB	Limit dB μ V/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2310.0000	46.90	41.00	-5.90	74.00	33.00	200	139	Horizontal	/
2	2388.4500	48.46	42.71	-5.75	74.00	31.29	100	334	Horizontal	/
3	2390.0000	45.37	39.64	-5.73	74.00	34.36	200	225	Horizontal	/
4	2402.1625	97.59	92.07	-5.52	74.00	-18.07	100	41	Horizontal	No limit
1	2310.0000	45.42	40.12	-5.30	74.00	33.88	100	295	Vertical	/
2	2389.9125	52.21	46.76	-5.45	74.00	27.24	100	180	Vertical	/
3	2390.0000	45.43	39.98	-5.45	74.00	34.02	200	234	Vertical	/
4	2401.8875	98.59	93.13	-5.46	74.00	-19.13	200	127	Vertical	No limit

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Lowest Channel

Frequency 2402MHz

Environment: 22.8°C/50%RH/101.0kPa

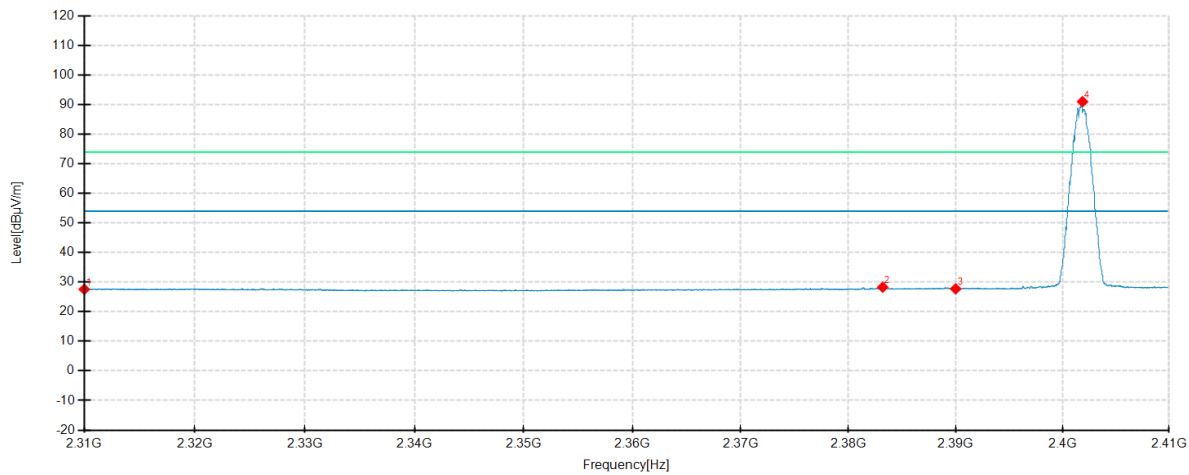
Tested By: Qin Tingting

Detector mode: Average

Test Voltage: DC 3.7V

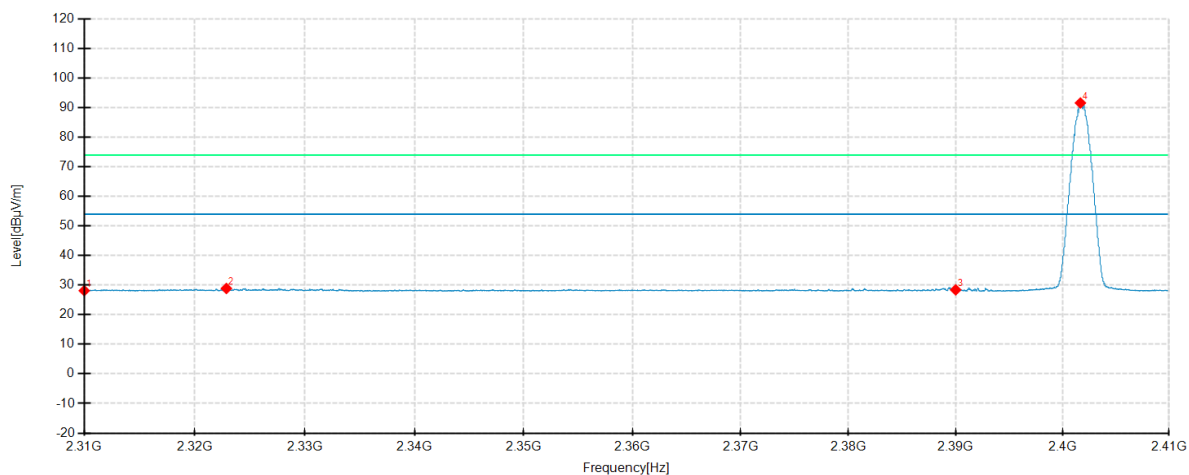
Date: 2025-02-21

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2310.0000	33.48	27.58	-5.90	54.00	26.42	100	298	Horizontal	/
2	2383.2000	34.14	28.30	-5.84	54.00	25.70	100	33	Horizontal	/
3	2390.0000	33.47	27.74	-5.73	54.00	26.26	100	298	Horizontal	/
4	2401.8750	96.54	91.02	-5.52	54.00	-37.02	100	46	Horizontal	No limit
1	2310.0000	33.44	28.14	-5.30	54.00	25.86	100	303	Vertical	/
2	2322.8625	34.21	28.89	-5.32	54.00	25.11	100	265	Vertical	/
3	2390.0000	33.86	28.41	-5.45	54.00	25.59	200	94	Vertical	/
4	2401.6750	97.06	91.59	-5.47	54.00	-37.59	200	132	Vertical	No limit

Highest Channel

Frequency 2480MHz

Environment: 22.8℃/50%RH/101.0kPa

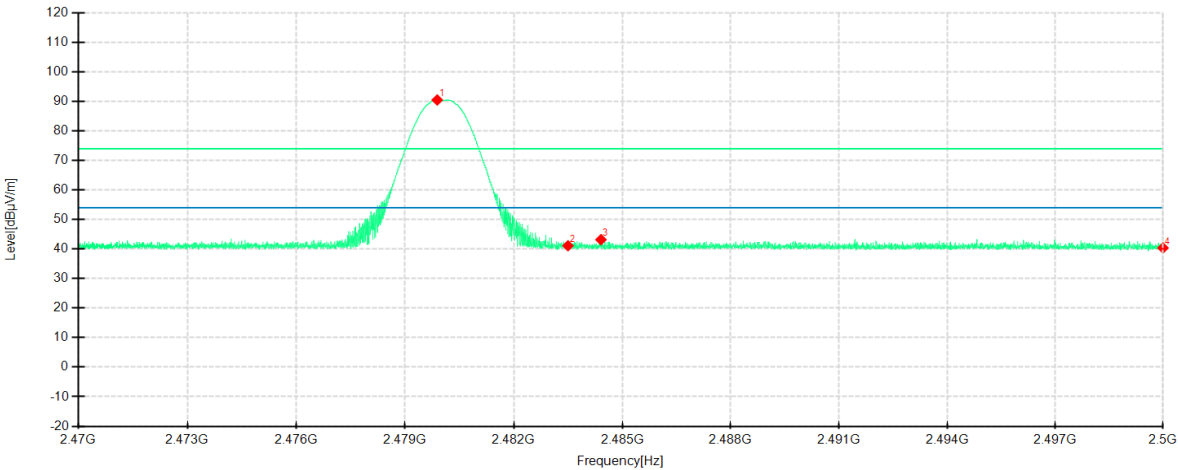
Tested By: Qin Tingting

Detector mode: Peak

Test Voltage: DC 3.7V

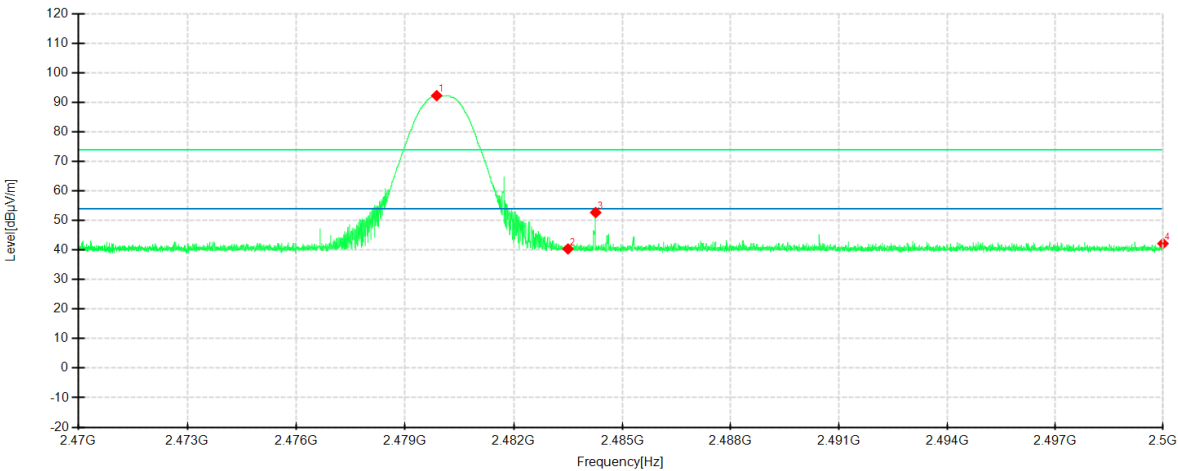
Date: 2025-02-21

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	Remark
1	2479.8888	95.14	90.49	-4.65	74.00	-16.49	100	117	Horizontal	No limit
2	2483.5000	45.78	41.11	-4.67	74.00	32.89	100	335	Horizontal	/
3	2484.4113	47.86	43.18	-4.68	74.00	30.82	200	116	Horizontal	/
4	2500.0000	45.16	40.37	-4.79	74.00	33.63	200	77	Horizontal	/
1	2479.8738	97.44	92.29	-5.15	74.00	-18.29	200	129	Vertical	No limit
2	2483.5000	45.50	40.37	-5.13	74.00	33.63	200	78	Vertical	/
3	2484.2650	57.84	52.71	-5.13	74.00	21.29	100	142	Vertical	/
4	2500.0000	47.29	42.20	-5.09	74.00	31.80	100	194	Vertical	/

Highest Channel

Frequency 2480MHz

Environment: 22.8℃/50%RH/101.0kPa

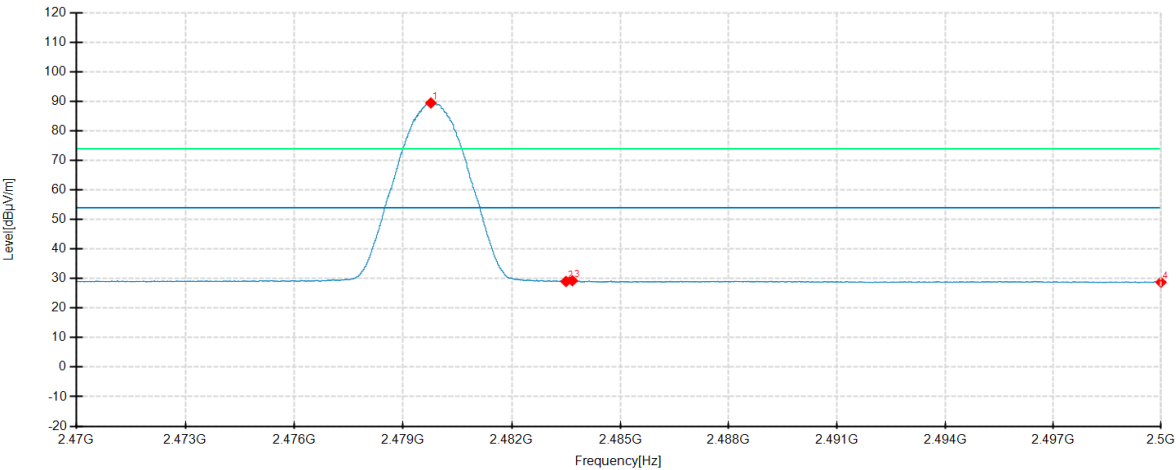
Tested By: Qin Tingting

Detector mode: Average

Test Voltage: DC 3.7V

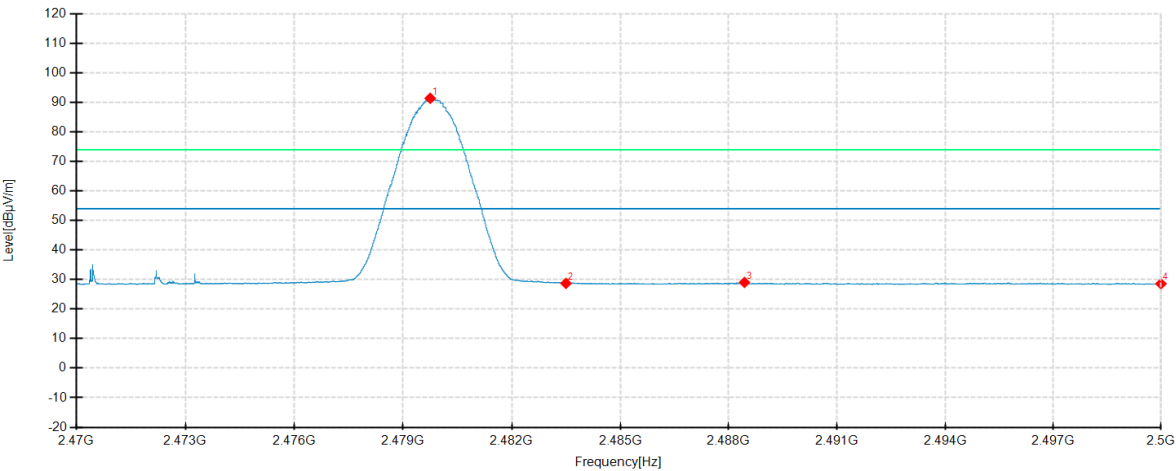
Date: 2025-02-21

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2479.7688	94.13	89.48	-4.65	54.00	-35.48	100	121	Horizontal	No limit
2	2483.5000	33.69	29.02	-4.67	54.00	24.98	100	121	Horizontal	/
3	2483.6763	33.95	29.28	-4.67	54.00	24.72	100	121	Horizontal	/
4	2500.0000	33.54	28.75	-4.79	54.00	25.25	100	196	Horizontal	/
1	2479.7500	96.54	91.39	-5.15	54.00	-37.39	200	135	Vertical	No limit
2	2483.5000	33.85	28.72	-5.13	54.00	25.28	200	147	Vertical	/
3	2488.4388	34.15	29.03	-5.12	54.00	24.97	200	235	Vertical	/
4	2500.0000	33.67	28.58	-5.09	54.00	25.42	200	84	Vertical	/

2DH5

Lowest Channel

Frequency 2402MHz

Environment: 22.8°C/50%RH/101.0kPa

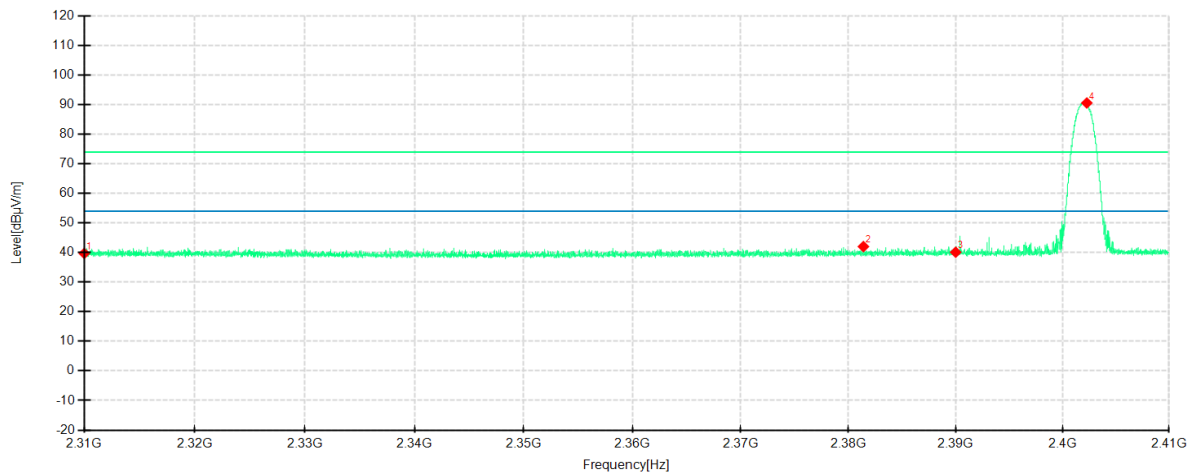
Tested By: Qin Tingting

Detector mode: Peak

Test Voltage: DC 3.7V

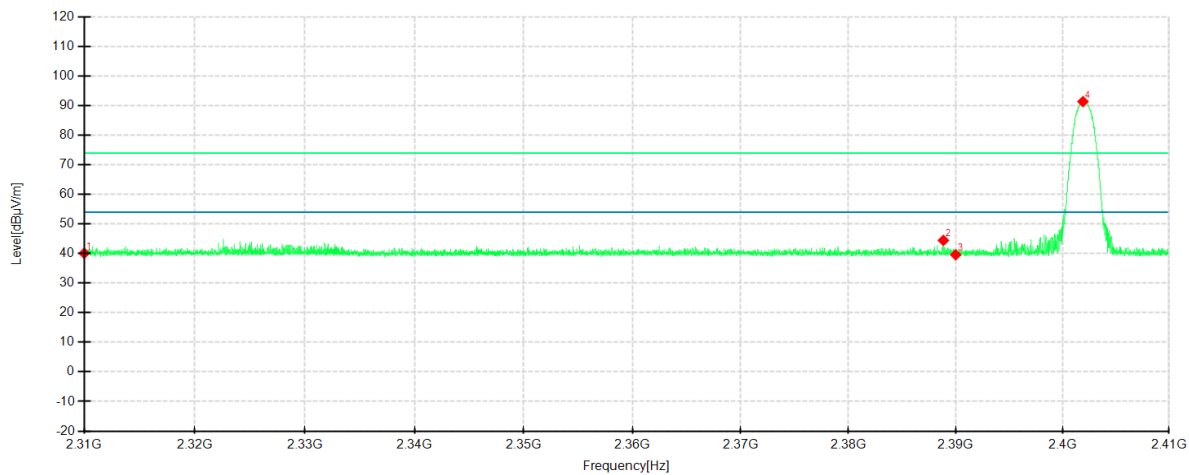
Date: 2025-02-21

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	Remark
1	2310.0000	45.61	39.71	-5.90	74.00	34.29	100	41	Horizontal	/
2	2381.4000	47.90	42.03	-5.87	74.00	31.97	200	218	Horizontal	/
3	2390.0000	45.85	40.12	-5.73	74.00	33.88	200	280	Horizontal	/
4	2402.2750	96.08	90.57	-5.51	74.00	-16.57	100	41	Horizontal	No limit
1	2310.0000	45.40	40.10	-5.30	74.00	33.90	200	205	Vertical	/
2	2388.8500	49.91	44.46	-5.45	74.00	29.54	100	269	Vertical	/
3	2390.0000	45.04	39.59	-5.45	74.00	34.41	200	232	Vertical	/
4	2401.9125	96.84	91.38	-5.46	74.00	-17.38	200	130	Vertical	No limit

Lowest Channel

Frequency 2402MHz

Environment: 22.8°C/50%RH/101.0kPa

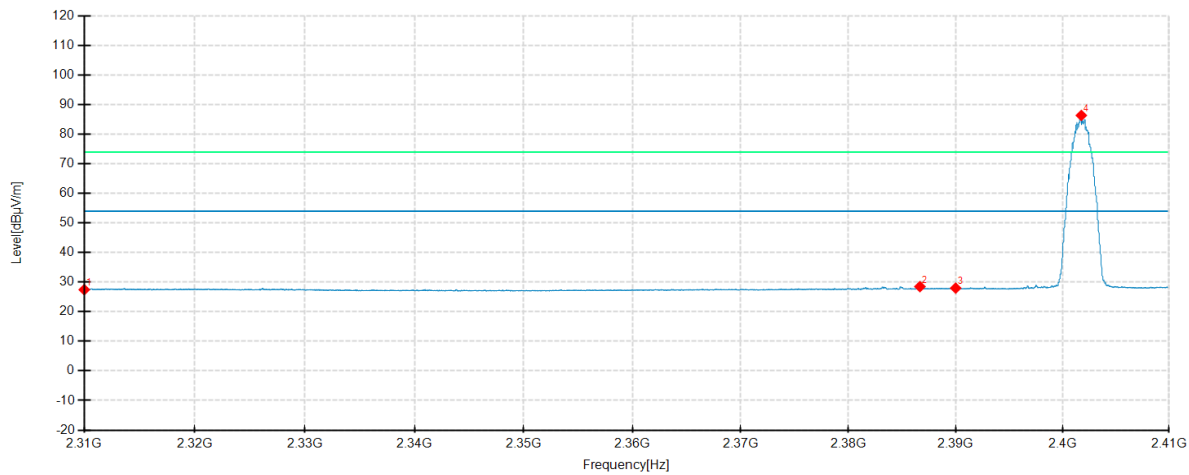
Tested By: Qin Tingting

Detector mode: Average

Test Voltage: DC 3.7V

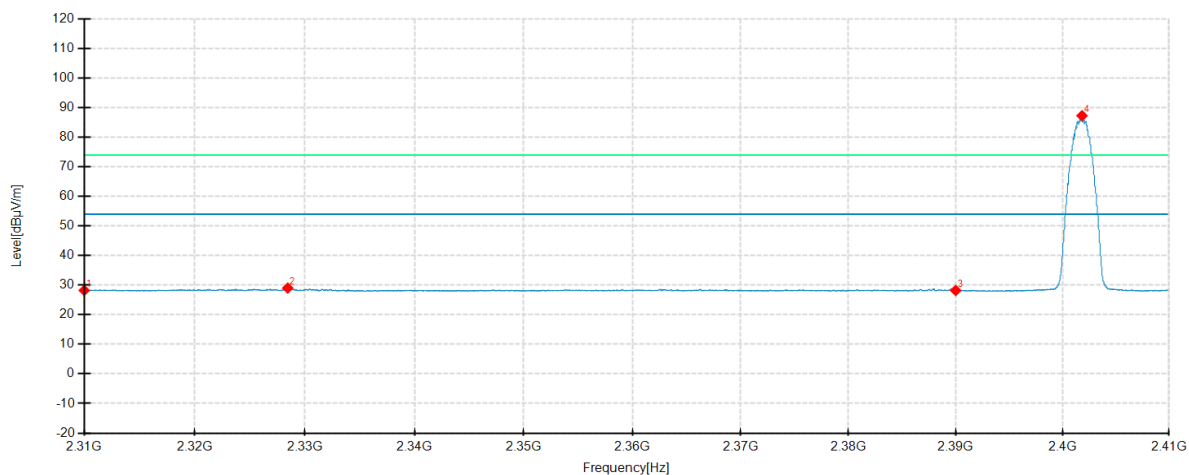
Date: 2025-02-21

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2310.0000	33.35	27.45	-5.90	54.00	26.55	200	227	Horizontal	/
2	2386.6625	34.27	28.49	-5.78	54.00	25.51	100	21	Horizontal	/
3	2390.0000	33.71	27.98	-5.73	54.00	26.02	100	146	Horizontal	/
4	2401.7625	91.88	86.35	-5.53	54.00	-32.35	100	45	Horizontal	No limit
1	2310.0000	33.54	28.24	-5.30	54.00	25.76	100	318	Vertical	/
2	2328.4375	34.34	29.01	-5.33	54.00	24.99	200	242	Vertical	/
3	2390.0000	33.65	28.20	-5.45	54.00	25.80	200	22	Vertical	/
4	2401.8250	92.74	87.28	-5.46	54.00	-33.28	200	136	Vertical	No limit

Highest Channel

Frequency 2480MHz

Environment: 22.8℃/50%RH/101.0kPa

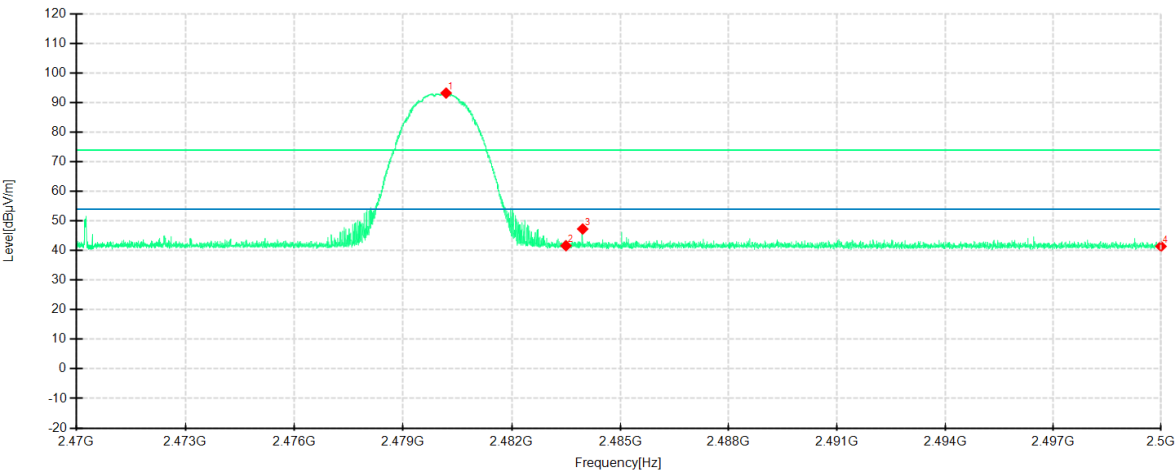
Tested By: Qin Tingting

Detector mode: Peak

Test Voltage: DC 3.7V

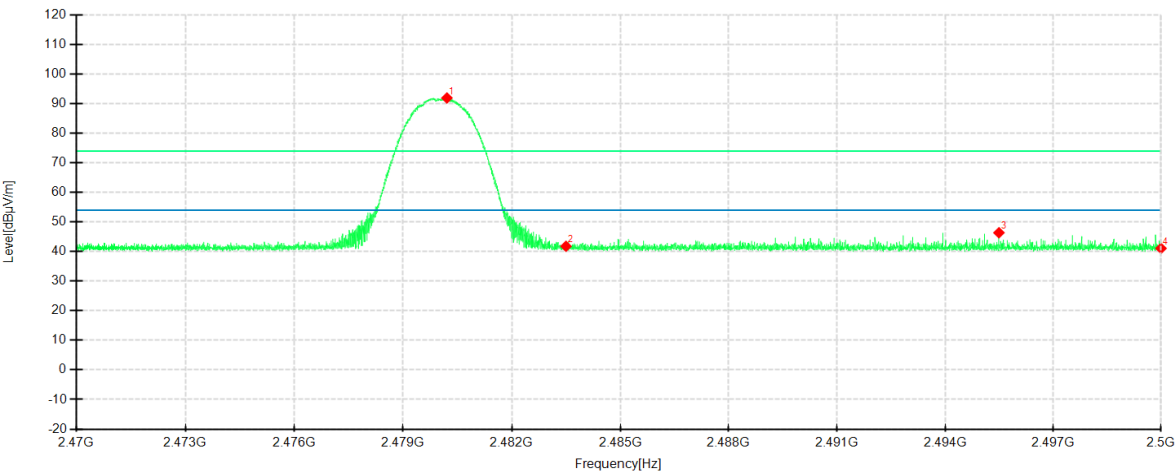
Date: 2025-02-21

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	Remark
1	2480.1888	97.88	93.23	-4.65	74.00	-19.23	100	131	Horizontal	No limit
2	2483.5000	46.30	41.63	-4.67	74.00	32.37	200	215	Horizontal	/
3	2483.9613	51.96	47.29	-4.67	74.00	26.71	100	280	Horizontal	/
4	2500.0000	46.20	41.41	-4.79	74.00	32.59	100	251	Horizontal	/
1	2480.2113	97.06	91.91	-5.15	74.00	-17.91	100	141	Vertical	No limit
2	2483.5000	46.91	41.78	-5.13	74.00	32.22	100	141	Vertical	/
3	2495.4963	51.47	46.37	-5.10	74.00	27.63	100	141	Vertical	/
4	2500.0000	46.17	41.08	-5.09	74.00	32.92	100	245	Vertical	/

Highest Channel

Frequency 2480MHz

Environment: 22.8℃/50%RH/101.0kPa

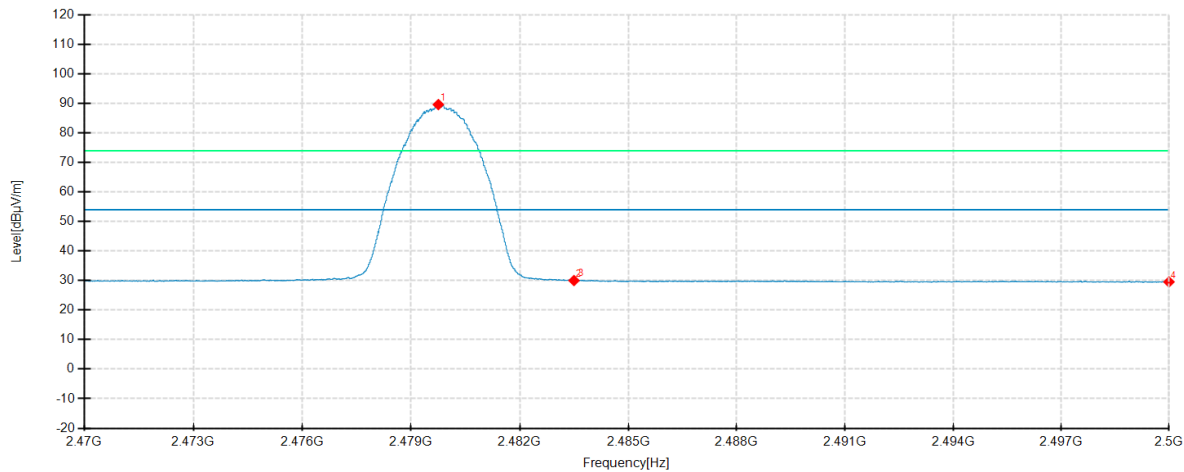
Tested By: Qin Tingting

Detector mode: Average

Test Voltage: DC 3.7V

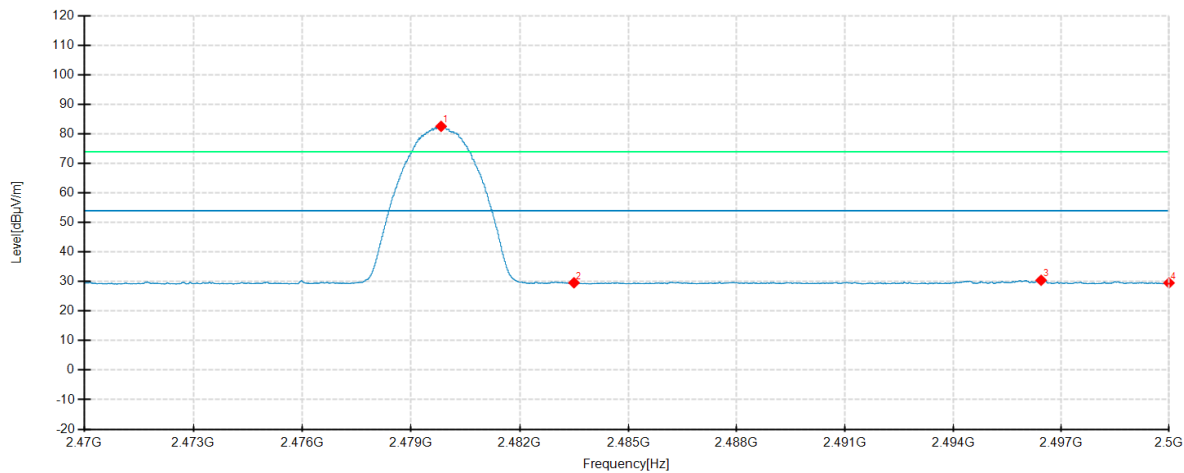
Date: 2025-02-21

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2479.7538	94.25	89.60	-4.65	54.00	-35.60	100	133	Horizontal	No limit
2	2483.5000	34.68	30.01	-4.67	54.00	23.99	100	133	Horizontal	/
3	2483.5675	34.85	30.18	-4.67	54.00	23.82	100	118	Horizontal	/
4	2500.0000	34.34	29.55	-4.79	54.00	24.45	200	243	Horizontal	/
1	2479.8288	87.71	82.56	-5.15	54.00	-28.56	100	60	Vertical	No limit
2	2483.5000	34.72	29.59	-5.13	54.00	24.41	100	102	Vertical	/
3	2496.4450	35.54	30.44	-5.10	54.00	23.56	100	132	Vertical	/
4	2500.0000	34.63	29.54	-5.09	54.00	24.46	100	148	Vertical	/

3DH5

Lowest Channel

Frequency 2402MHz

Environment: 22.8°C/50%RH/101.0kPa

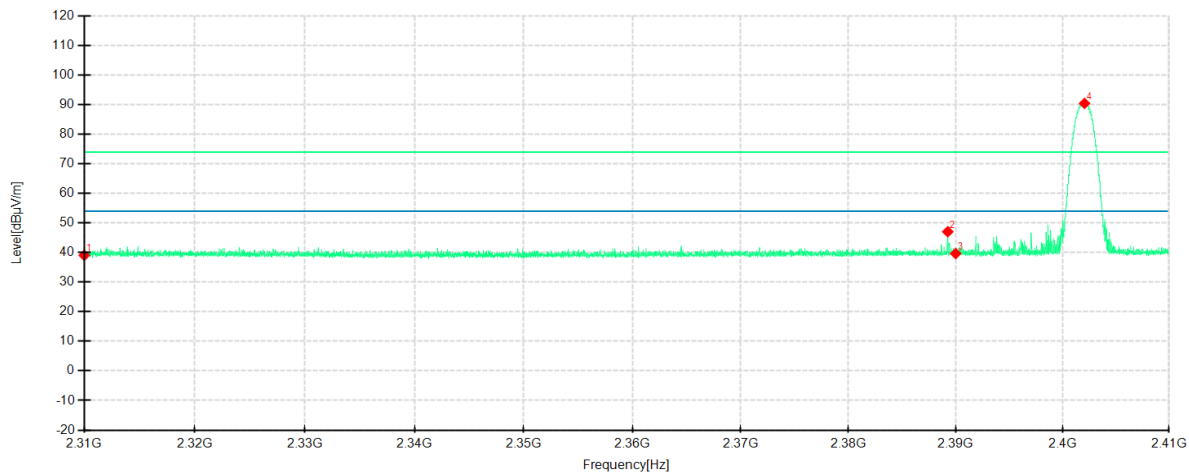
Tested By: Qin Tingting

Detector mode: Peak

Test Voltage: DC 3.7V

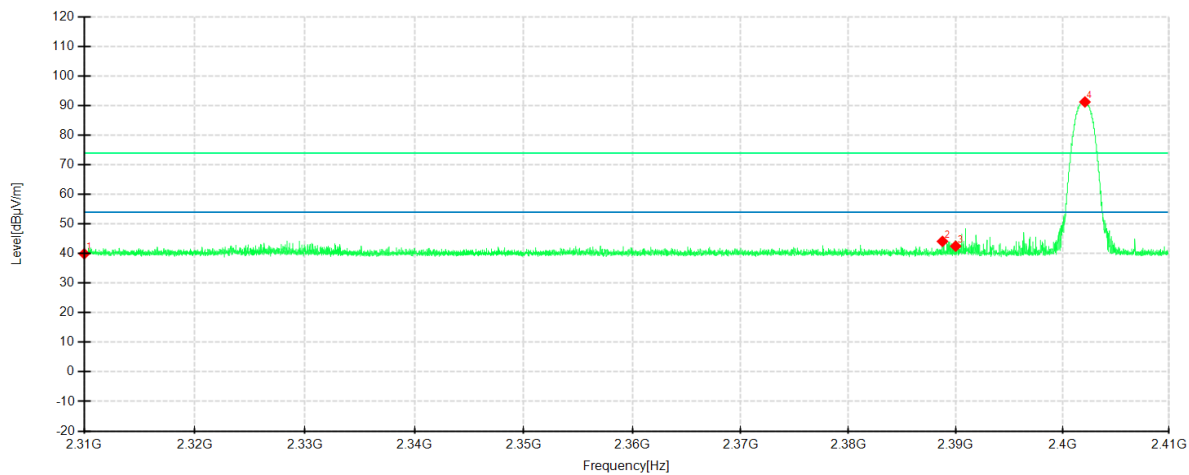
Date: 2025-02-21

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	Remark
1	2310.0000	44.95	39.05	-5.90	74.00	34.95	100	257	Horizontal	/
2	2389.2625	52.79	47.05	-5.74	74.00	26.95	100	334	Horizontal	/
3	2390.0000	45.39	39.66	-5.73	74.00	34.34	100	26	Horizontal	/
4	2402.0625	95.94	90.42	-5.52	74.00	-16.42	100	40	Horizontal	No limit
1	2310.0000	45.22	39.92	-5.30	74.00	34.08	200	196	Vertical	/
2	2388.7625	49.58	44.13	-5.45	74.00	29.87	100	28	Vertical	/
3	2390.0000	47.95	42.50	-5.45	74.00	31.50	200	260	Vertical	/
4	2402.1000	96.71	91.25	-5.46	74.00	-17.25	200	130	Vertical	No limit

Lowest Channel

Frequency 2402MHz

Environment: 22.8°C/50%RH/101.0kPa

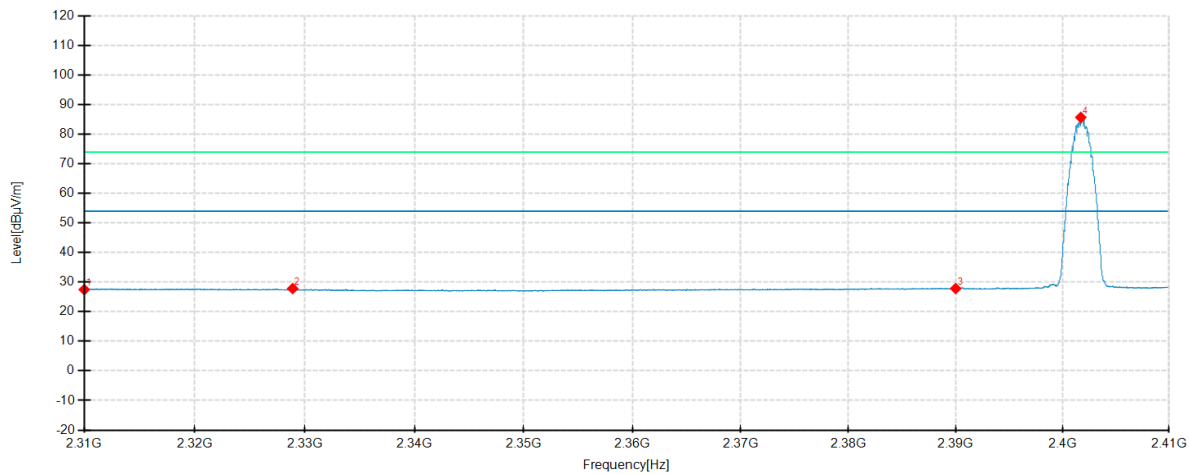
Tested By: Qin Tingting

Detector mode: Average

Test Voltage: DC 3.7V

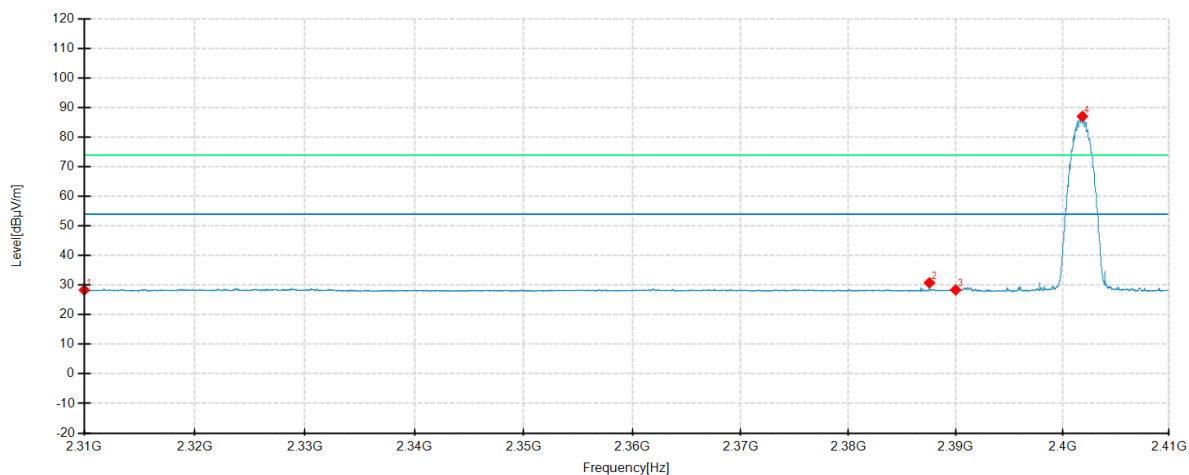
Date: 2025-02-21

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2310.0000	33.38	27.48	-5.90	54.00	26.52	100	310	Horizontal	/
2	2328.8875	33.95	27.83	-6.12	54.00	26.17	100	185	Horizontal	/
3	2390.0000	33.57	27.84	-5.73	54.00	26.16	200	330	Horizontal	/
4	2401.7125	91.24	85.70	-5.54	54.00	-31.70	100	45	Horizontal	No limit
1	2310.0000	33.65	28.35	-5.30	54.00	25.65	200	234	Vertical	/
2	2387.5500	36.24	30.79	-5.45	54.00	23.21	200	322	Vertical	/
3	2390.0000	33.85	28.40	-5.45	54.00	25.60	200	335	Vertical	/
4	2401.8625	92.51	87.05	-5.46	54.00	-33.05	200	132	Vertical	No limit

Highest Channel

Frequency 2480MHz

Environment: 22.8℃/50%RH/101.0kPa

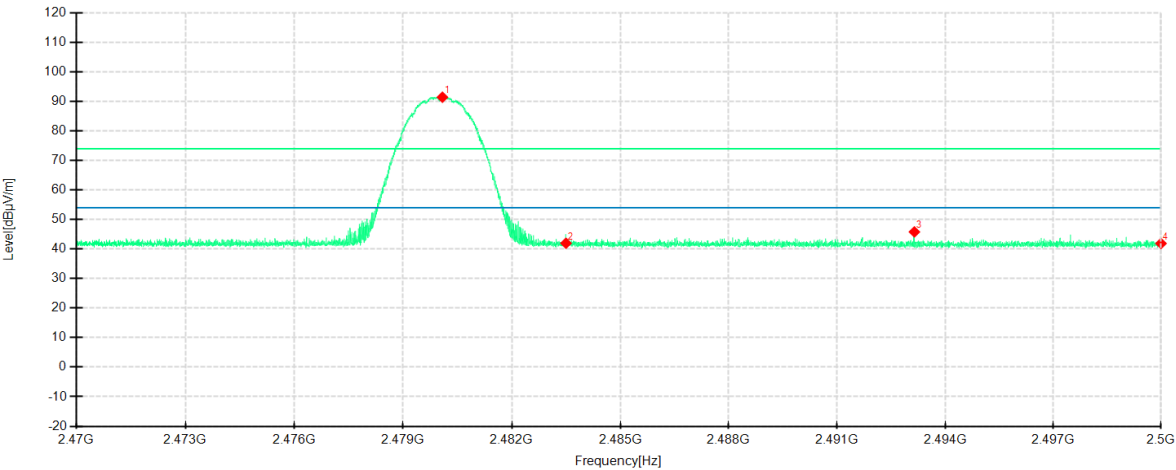
Tested By: Qin Tingting

Detector mode: Peak

Test Voltage: DC 3.7V

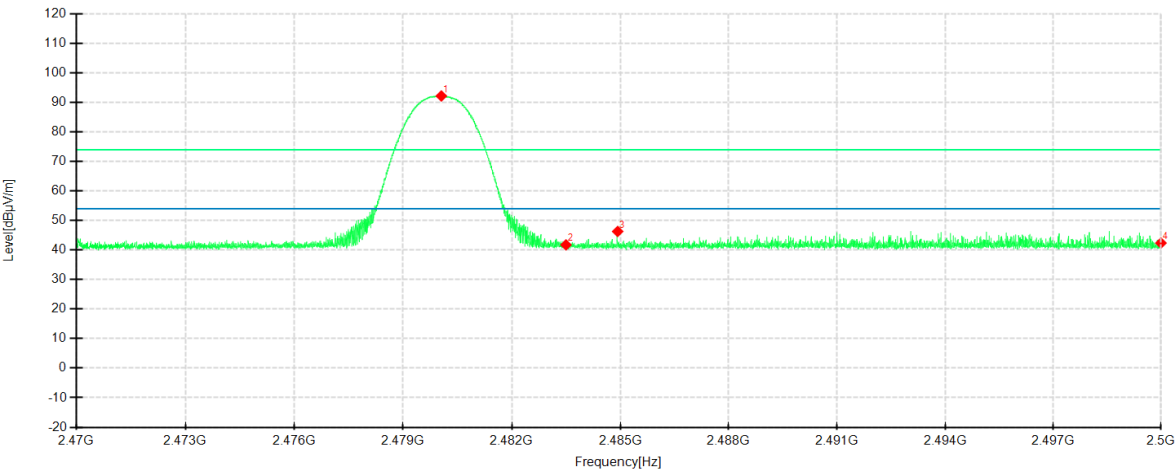
Date: 2025-02-21

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	Remark
1	2480.0875	96.07	91.42	-4.65	74.00	-17.42	100	130	Horizontal	No limit
2	2483.5000	46.65	41.98	-4.67	74.00	32.02	100	25	Horizontal	/
3	2493.1488	50.56	45.81	-4.75	74.00	28.19	100	25	Horizontal	/
4	2500.0000	46.68	41.89	-4.79	74.00	32.11	100	248	Horizontal	/
1	2480.0575	97.33	92.18	-5.15	74.00	-18.18	200	127	Vertical	No limit
2	2483.5000	46.89	41.76	-5.13	74.00	32.24	100	229	Vertical	/
3	2484.9288	51.43	46.30	-5.13	74.00	27.70	100	140	Vertical	/
4	2500.0000	47.47	42.38	-5.09	74.00	31.62	200	276	Vertical	/

Highest Channel

Frequency 2480MHz

Environment: 22.8°C/50%RH/101.0kPa

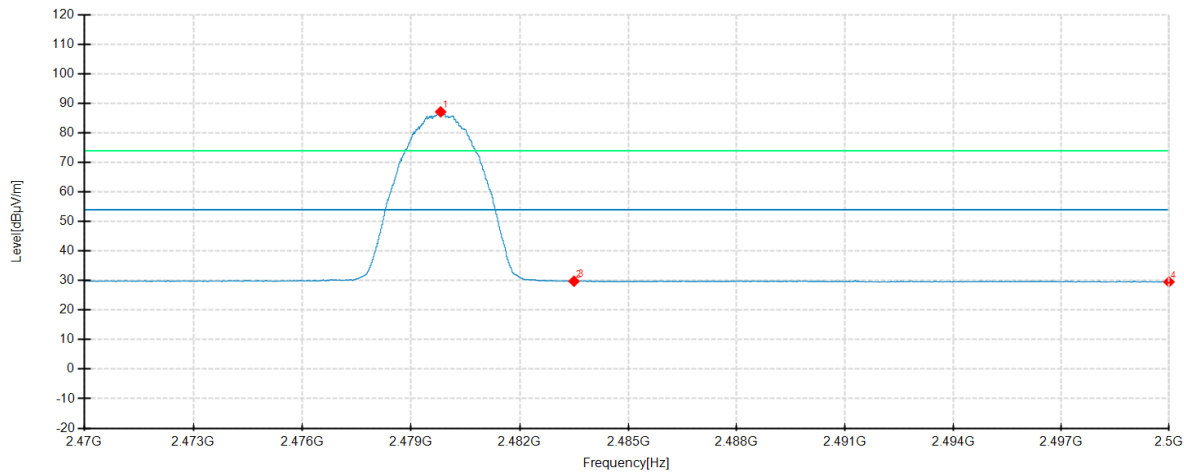
Tested By: Qin Tingting

Detector mode: Average

Test Voltage: DC 3.7V

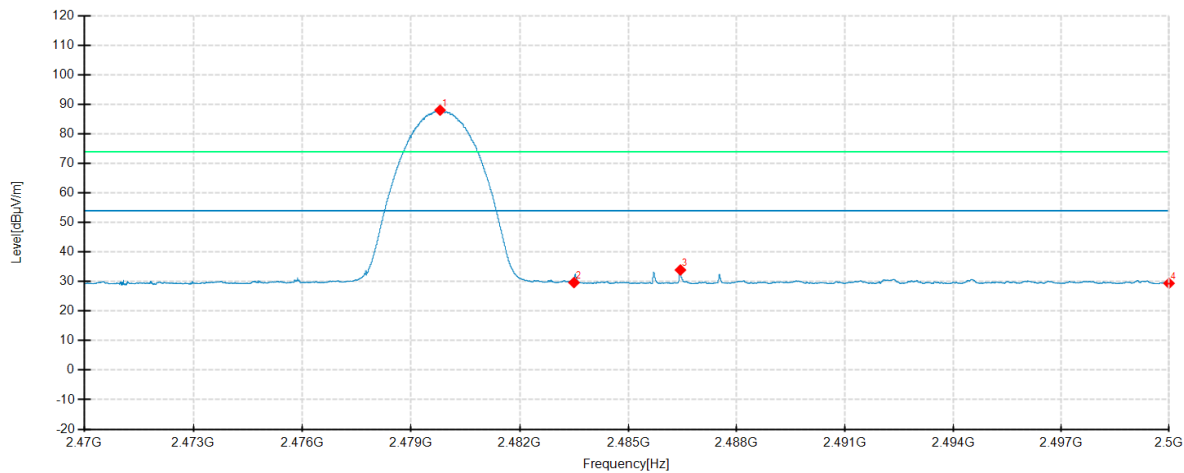
Date: 2025-02-21

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dB μ V/m	Level dB μ V/m	Factor dB	Limit dB μ V/m	Margin dB	Height cm	Angle °	Pole	Remark
1	2479.8175	91.79	87.14	-4.65	54.00	-33.14	100	128	Horizontal	No limit
2	2483.5000	34.45	29.78	-4.67	54.00	24.22	100	98	Horizontal	/
3	2483.5600	34.70	30.03	-4.67	54.00	23.97	100	128	Horizontal	/
4	2500.0000	34.34	29.55	-4.79	54.00	24.45	100	244	Horizontal	/
1	2479.8025	93.17	88.02	-5.15	54.00	-34.02	200	130	Vertical	No limit
2	2483.5000	34.79	29.66	-5.13	54.00	24.34	200	143	Vertical	/
3	2486.4438	39.06	33.93	-5.13	54.00	20.07	100	27	Vertical	/
4	2500.0000	34.49	29.40	-5.09	54.00	24.60	100	143	Vertical	/

Remark:

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

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APPENDIX A. PHOTOGRAPH OF THE TEST CONNECTION DIAGRAM

Please refer to the attached document E202501107526-Test photo.

APPENDIX B. PHOTOGRAPH OF THE EUT

Please refer to the attached document E202501107526-EUT photo.

----- End of Report -----