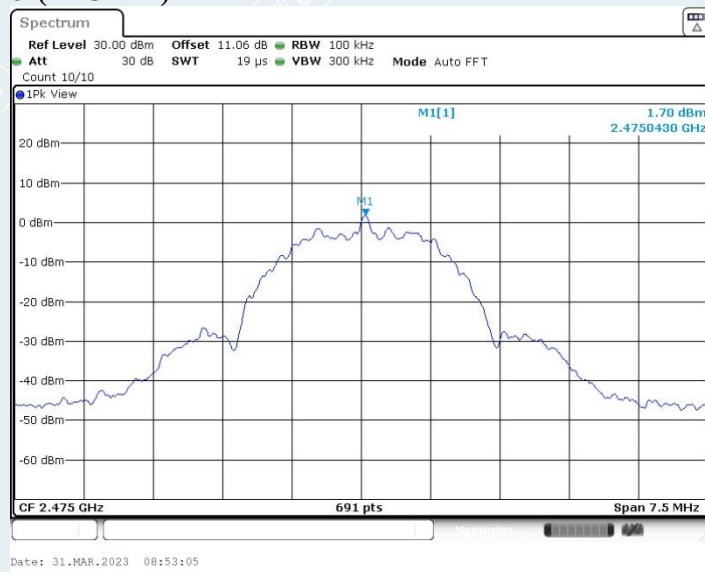
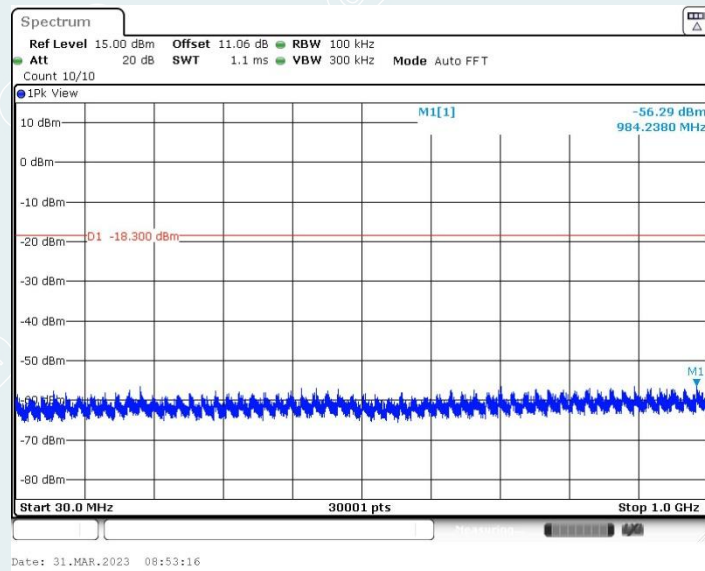


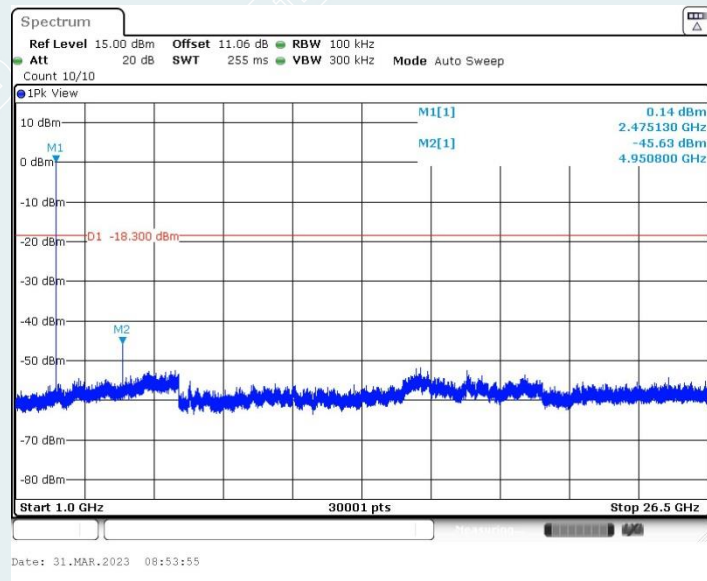
Highest channel (2475MHz)



0.03GHz-1GHz



1GHz-26.5GHz

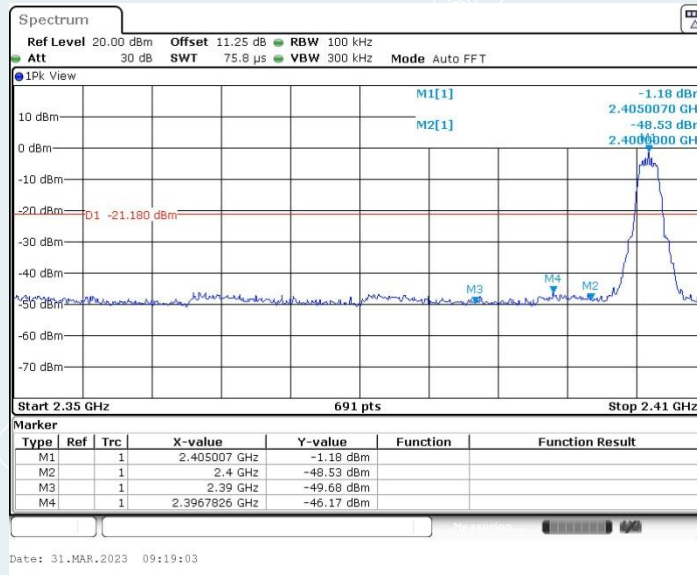


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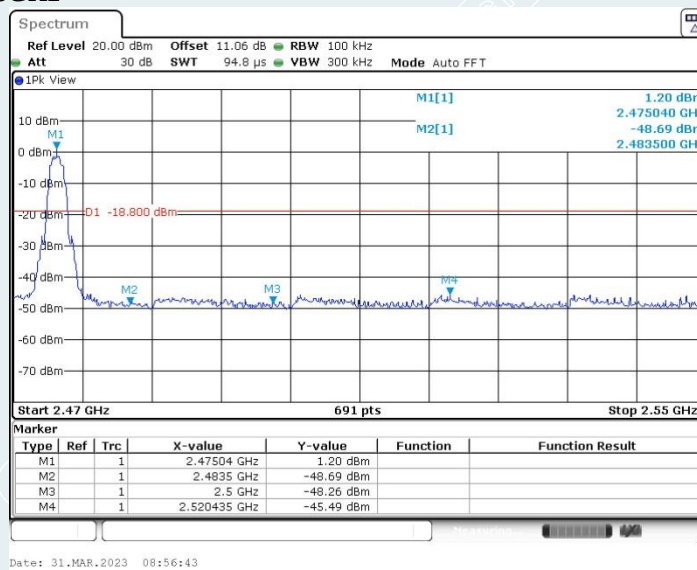
MG13:
Band edge

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
Zigbee	Ant1	Lowest	2405	-1.18	-46.17	≤-21.18	PASS
		Highest	2475	1.20	-45.49	≤-18.8	PASS

Lowest channel (2405MHz)
2.35GHz-2.41GHz



Highest channel (2475MHz)
2.47GHz-2.55GHz



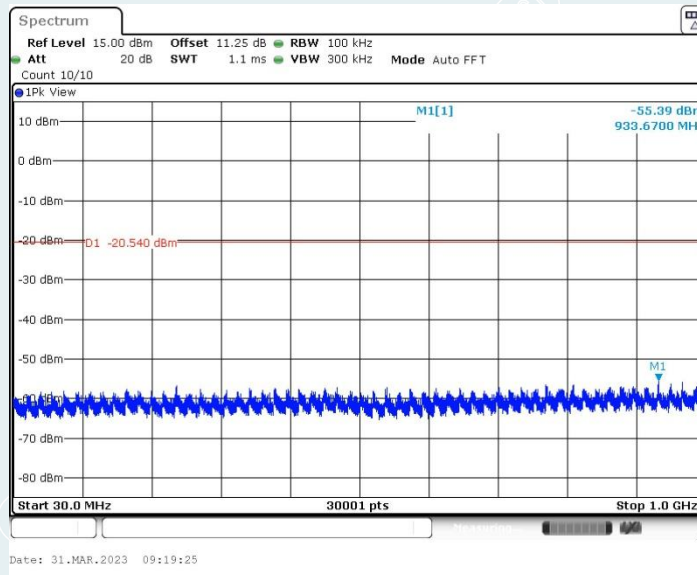
Conducted Spurious Emission

Test Mode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
Zigbee	Ant1	2405	Reference	-0.54	-0.54	---	PASS
			30~1000	-0.54	-55.39	≤ -20.54	PASS
			1000~26500	-0.54	-48.15	≤ -20.54	PASS
		2440	Reference	0.45	0.45	---	PASS
			30~1000	0.45	-56.20	≤ -19.55	PASS
			1000~26500	0.45	-49.05	≤ -19.55	PASS
		2475	Reference	1.46	1.46	---	PASS
			30~1000	1.46	-55.92	≤ -18.54	PASS
			1000~26500	1.46	-45.93	≤ -18.54	PASS

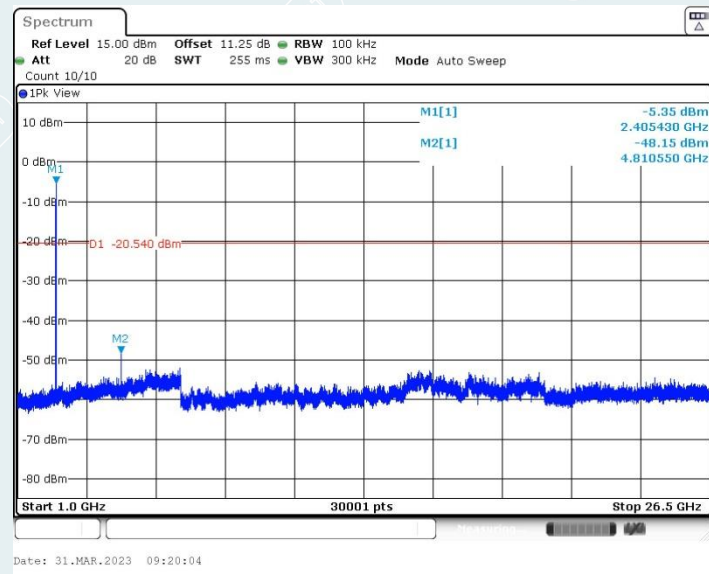
Lowest channel (2405MHz)



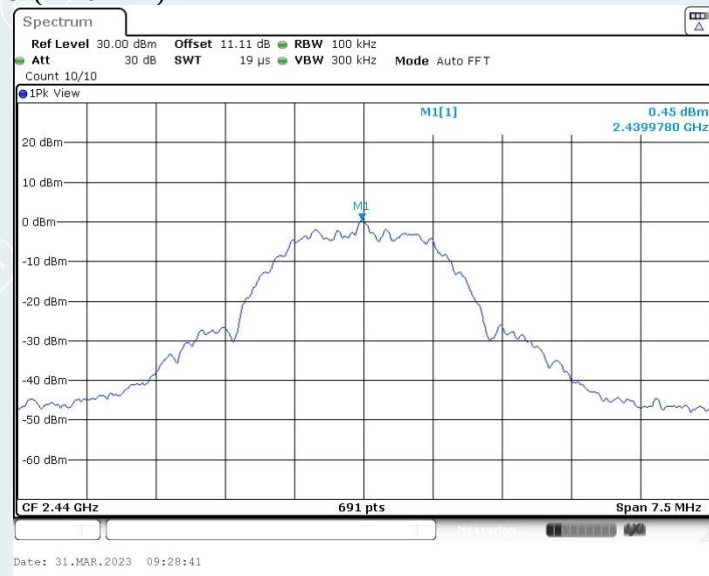
0.03GHz-1GHz



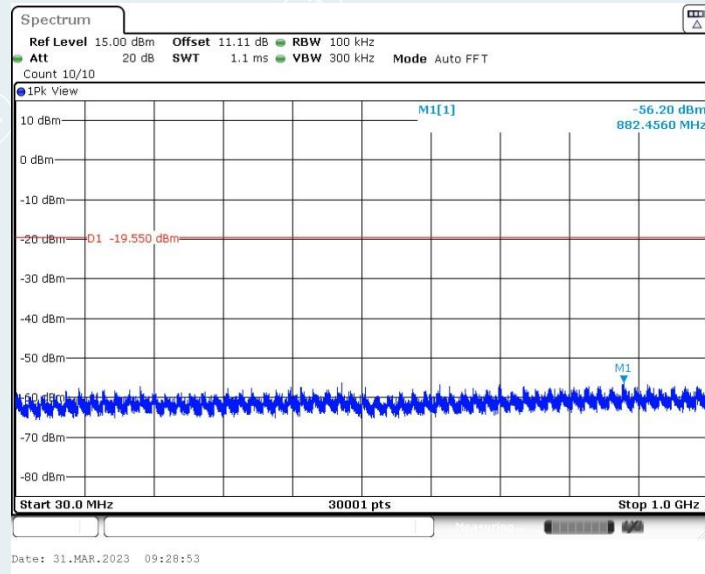
1GHz-26.5GHz



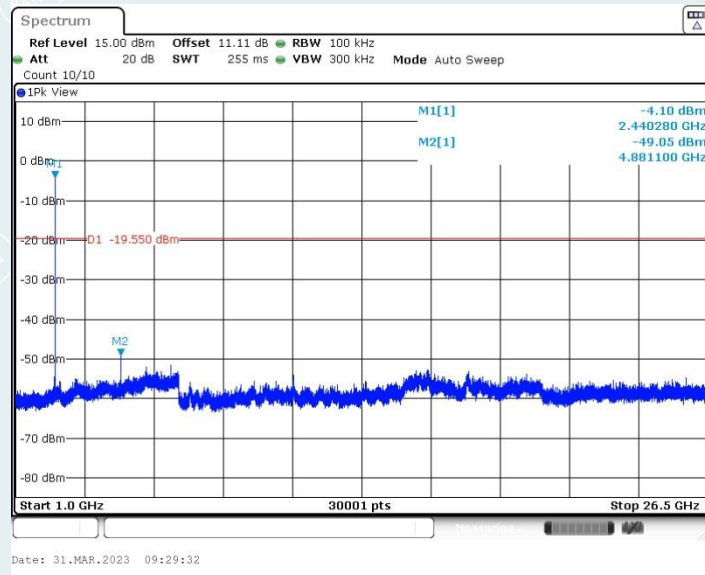
Middle channel (2440MHz)



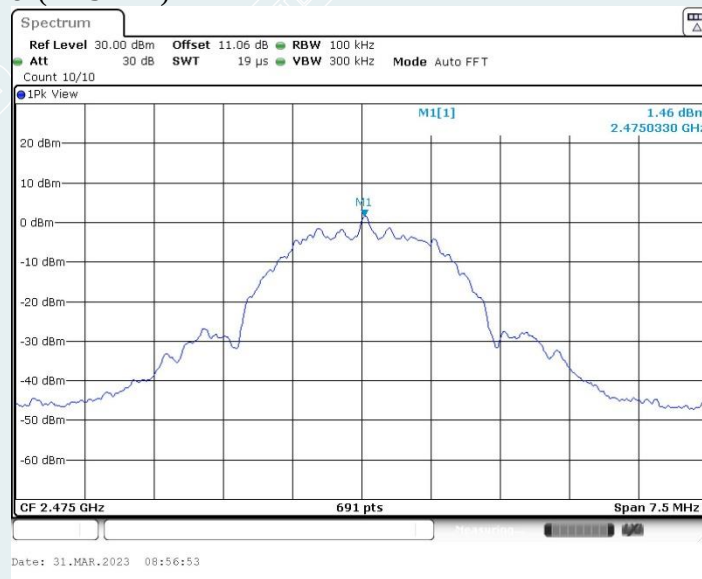
0.03GHz-1GHz



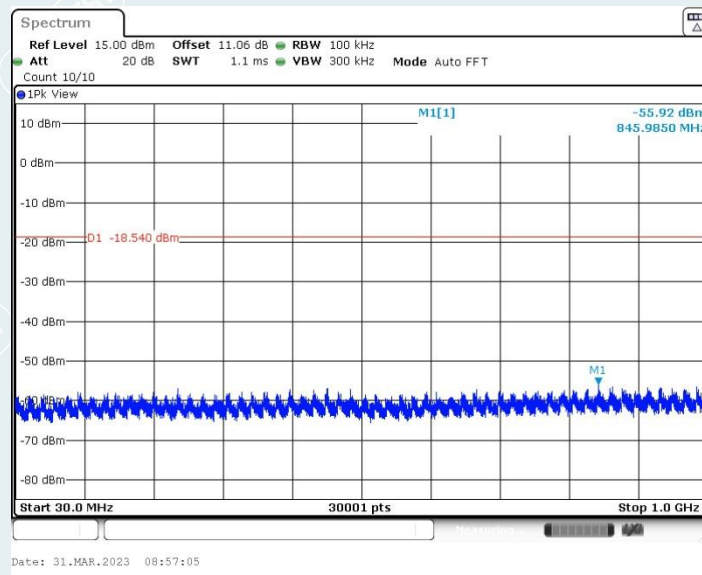
1GHz-26.5GHz



Highest channel (2475MHz)

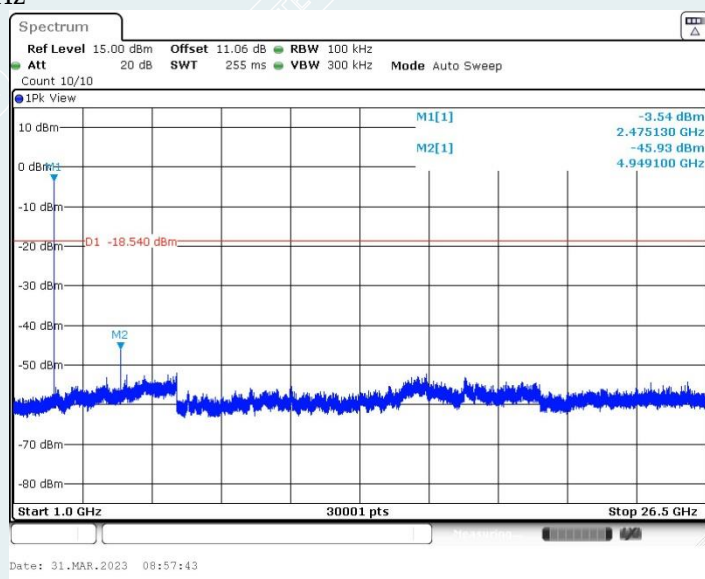


0.03GHz-1GHz



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1GHz-26.5GHz



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13. RESTRICTED BANDS OF OPERATION

13.1 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)).

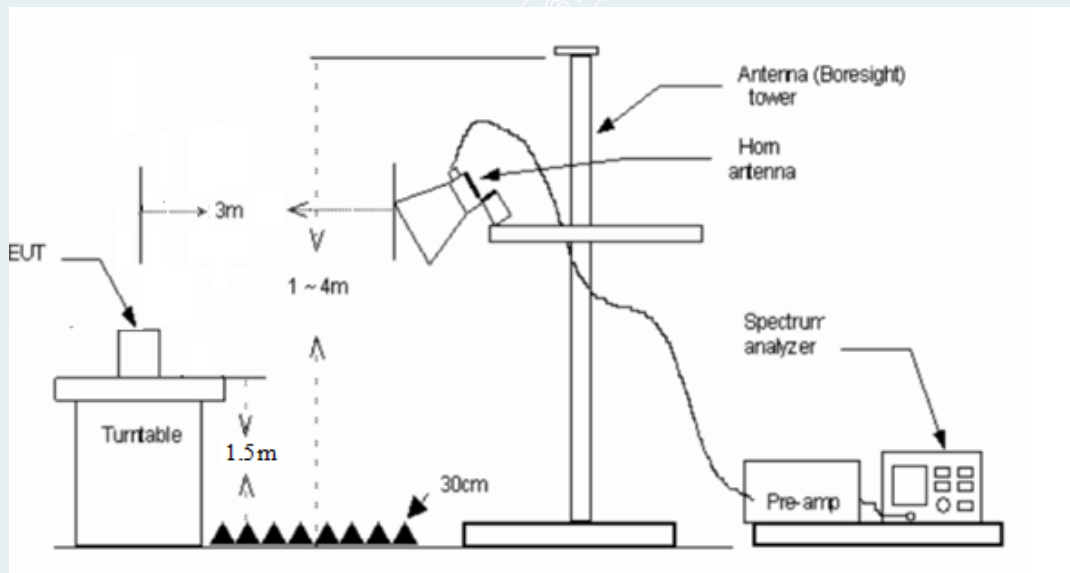
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 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	156.52480 - 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

13.2 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) For Peak detector: Set RBW=1MHz, RBW=3MHz, Sweep=AUTO.
 - b) For Avg detector: Set RBW=1MHz, Sweep=AUTO, the EUT is configured to transmit with duty cycle $\geq 98\%$, set $VBW \leq RBW/100$ (i.e., 10kHz) but not less than 10 Hz. if the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$, Where T is defined in section 2.9.
- 5) Repeat the procedures until all the PEAK and AVERAGE versus polarization are measured.

13.3 TEST SETUP



----- The following blanks -----

13.4 TEST RESULTS

EUT Name:	Wireless Data Collector	Test Mode:	Mode 1
Model:	RH570	Sample No:	E202303101204-0001
Test Engineer:	Zhang zishan	Test Date:	2023-04-11
Environmental Conditions:	24.2°C/53%RH/101.0kPa	/	/

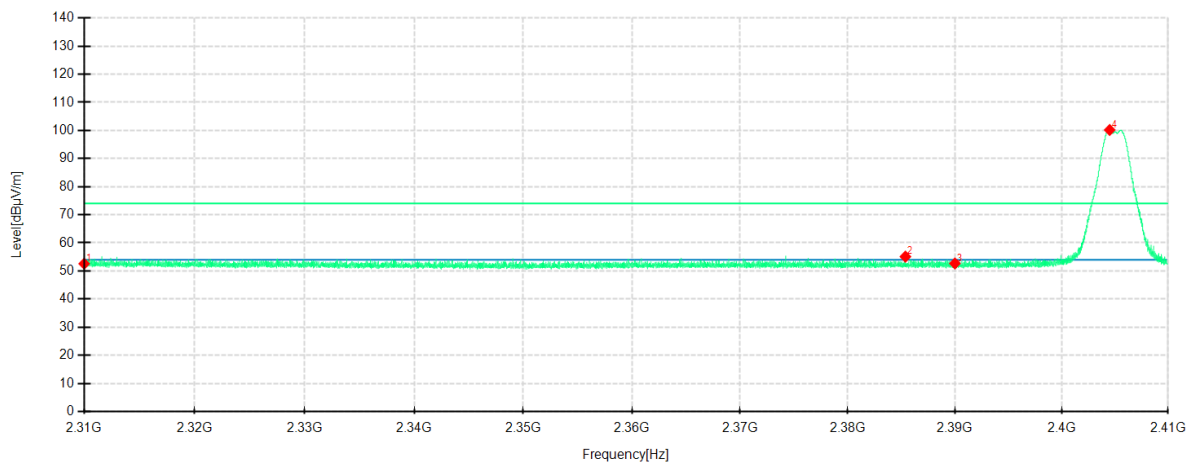
MG22-1:

Lowest Channel

Channel 2405MHz

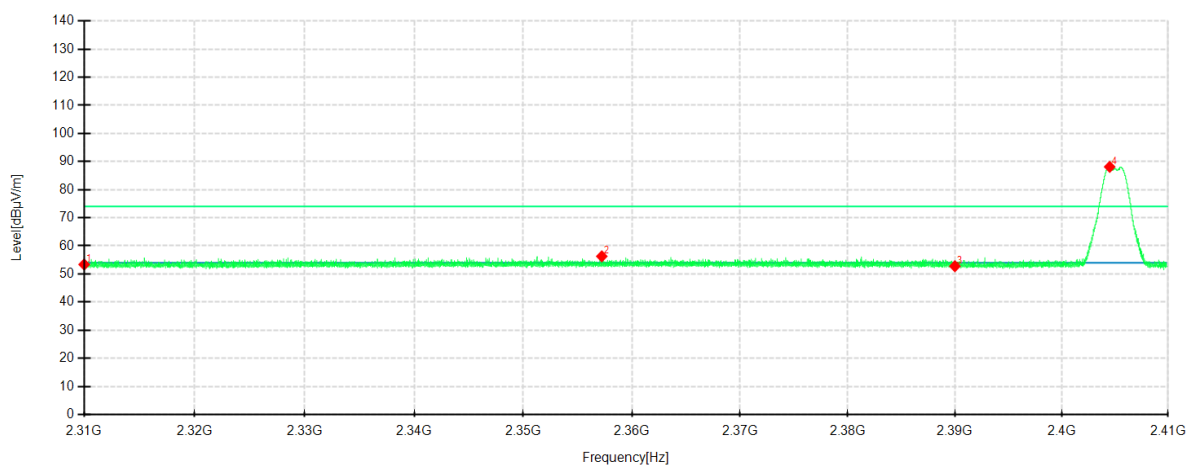
Detector mode: Peak

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	Comment
1	2310	43.22	52.57	9.35	74.00	21.43	100	230	Horizontal	/
2	2385.3784	46.22	55.10	8.88	74.00	18.90	100	86	Horizontal	/
3	2390	43.74	52.67	8.93	74.00	21.33	100	111	Horizontal	
4	2404.5063	91.13	100.18	9.05	74.00	-26.18	100	255	Horizontal	No limit
1	2310	43.46	53.39	9.93	74.00	20.61	100	142	Vertical	/
2	2357.2298	46.10	56.29	10.19	74.00	17.71	200	37	Vertical	/
3	2390	42.70	52.77	10.07	74.00	21.23	100	109	Vertical	/
4	2404.5063	78.17	88.12	9.95	74.00	-14.12	200	202	Vertical	No limit

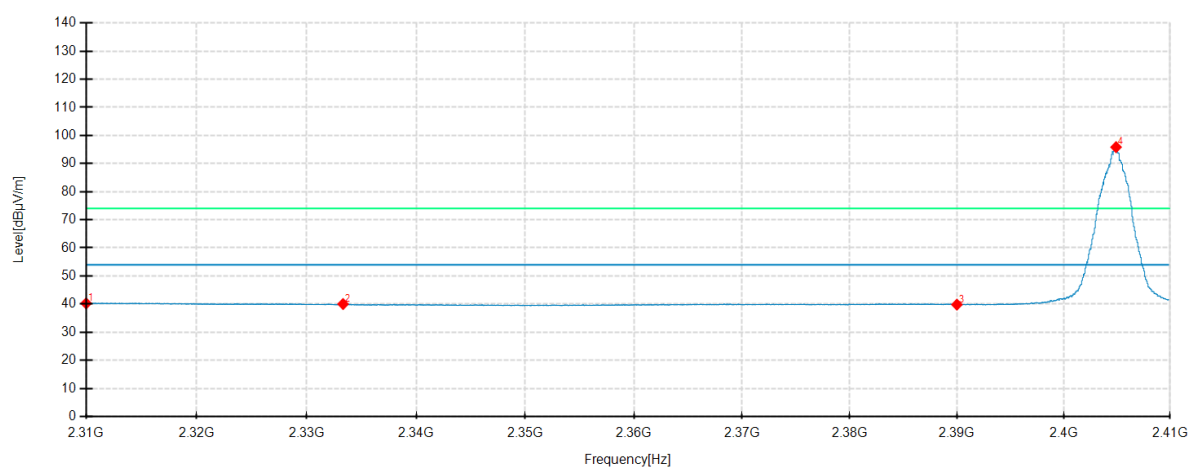
----- The following blanks -----

Lowest Channel

Channel 2405MHz

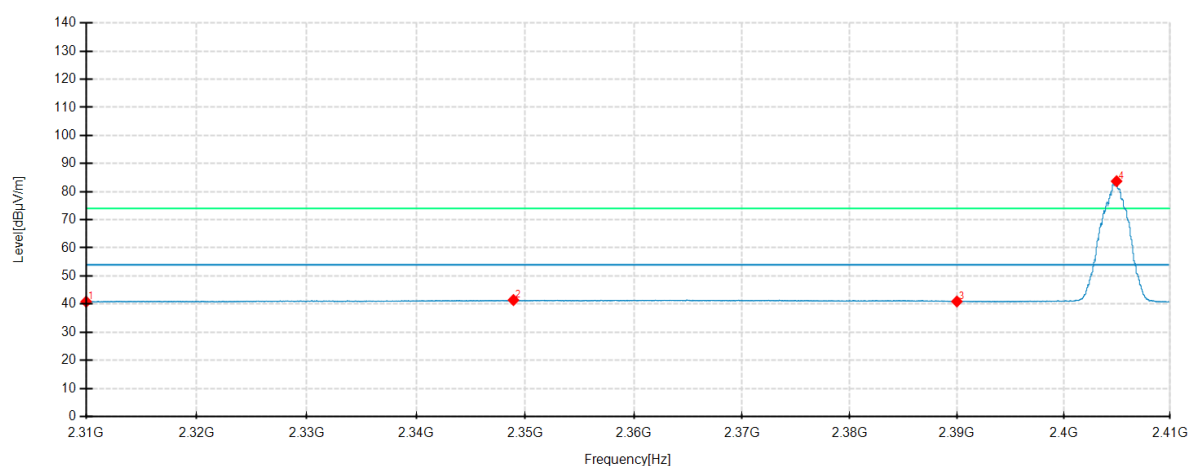
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



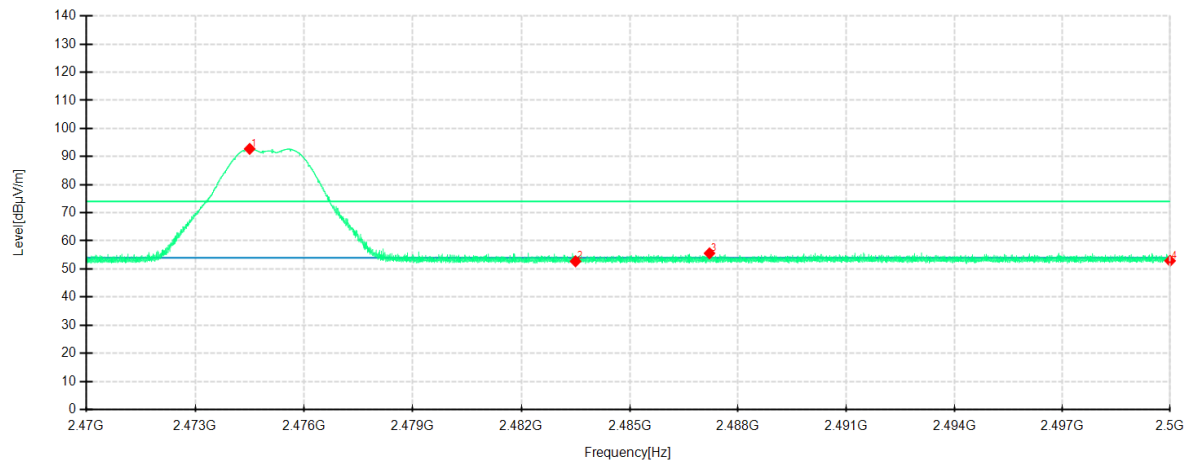
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310	30.89	40.24	9.35	54.00	13.76	200	14	Horizontal	/
2	2333.3216	31.15	40.02	8.87	54.00	13.98	100	345	Horizontal	/
3	2390	30.87	39.80	8.93	54.00	14.20	200	180	Horizontal	/
4	2404.9197	86.79	95.84	9.05	54.00	-41.84	100	248	Horizontal	No limit
1	2310	30.91	40.84	9.93	54.00	13.16	100	306	Vertical	/
2	2348.9159	31.21	41.42	10.21	54.00	12.58	200	174	Vertical	/
3	2390	30.86	40.93	10.07	54.00	13.07	100	217	Vertical	/
4	2404.9663	73.78	83.72	9.94	54.00	-29.72	200	195	Vertical	No limit

Highest Channel

Channel 2475MHz

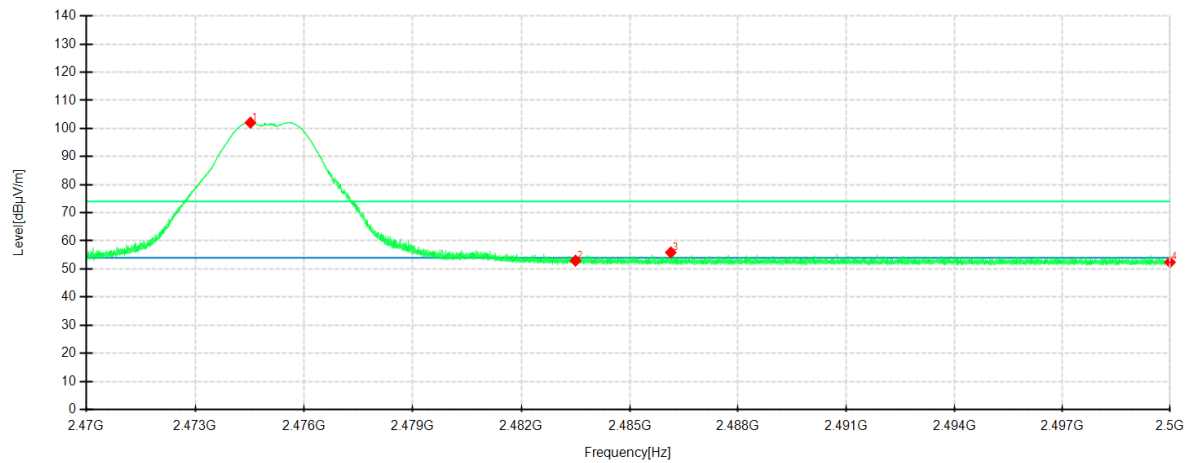
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



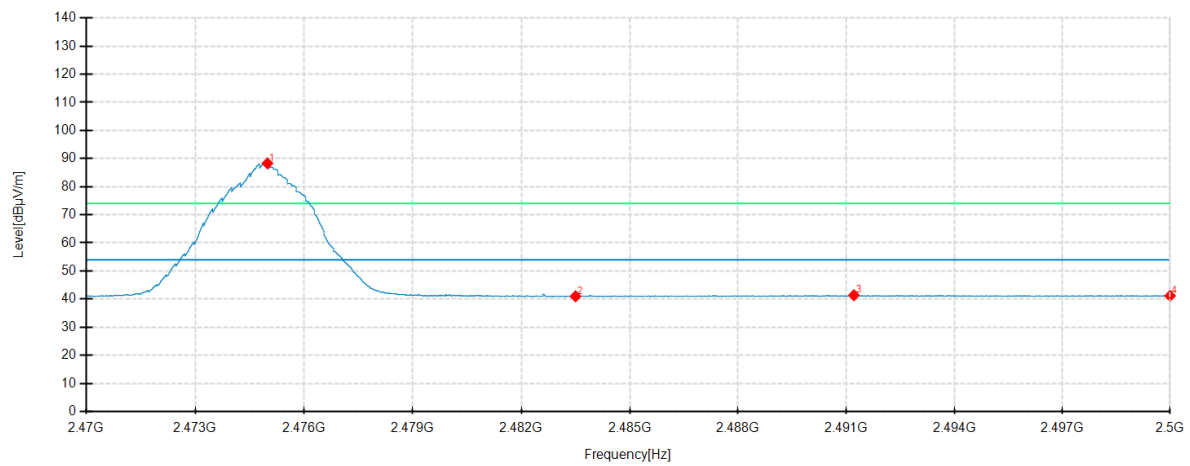
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2474.5023	83.00	92.73	9.73	74.00	-18.73	200	203	Horizontal	No limit
2	2483.5	42.81	52.73	9.92	74.00	21.27	200	262	Horizontal	/
3	2487.2091	45.58	55.58	10.00	74.00	18.42	200	320	Horizontal	/
4	2500	42.65	52.90	10.25	74.00	21.10	200	213	Horizontal	/
1	2474.5243	92.82	102.06	9.24	74.00	-28.06	100	250	Vertical	No limit
2	2483.5	43.68	52.96	9.28	74.00	21.04	100	262	Vertical	/
3	2486.1371	46.59	55.88	9.29	74.00	18.12	100	204	Vertical	/
4	2500	43.04	52.39	9.35	74.00	21.61	200	264	Vertical	/

Highest Channel

Channel 2475MHz

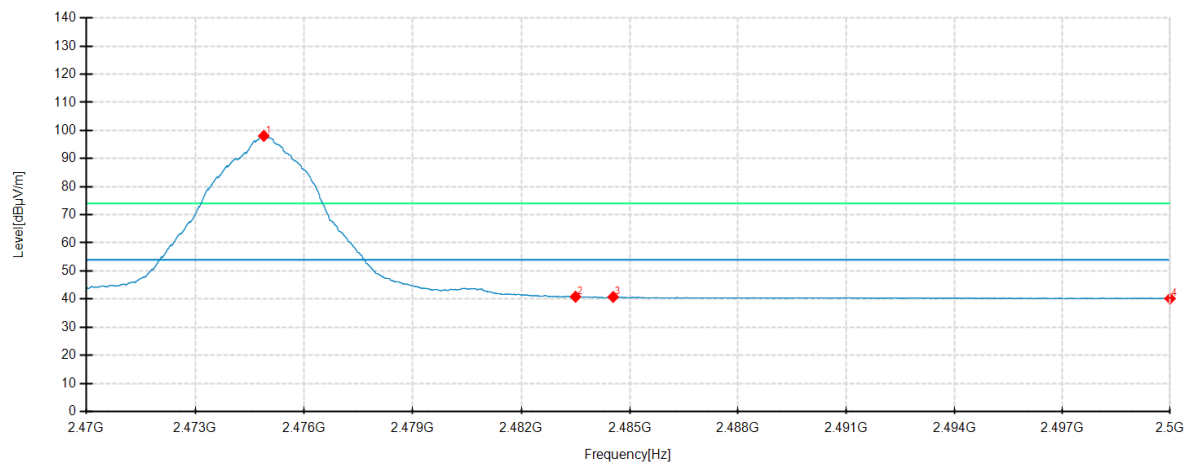
Detector mode: Average

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	Comment
1	2474.9943	78.55	88.29	9.74	54.00	-34.29	200	196	Horizontal	No limit
2	2483.5	31.05	40.97	9.92	54.00	13.03	100	63	Horizontal	/
3	2491.2134	31.30	41.37	10.07	54.00	12.63	100	133	Horizontal	/
4	2500	30.89	41.14	10.25	54.00	12.86	200	220	Horizontal	/
1	2474.8923	88.82	98.06	9.24	54.00	-44.06	100	247	Vertical	No limit
2	2483.5	31.55	40.83	9.28	54.00	13.17	100	258	Vertical	/
3	2484.541	31.46	40.75	9.29	54.00	13.25	100	88	Vertical	/
4	2500	30.82	40.17	9.35	54.00	13.83	100	321	Vertical	/

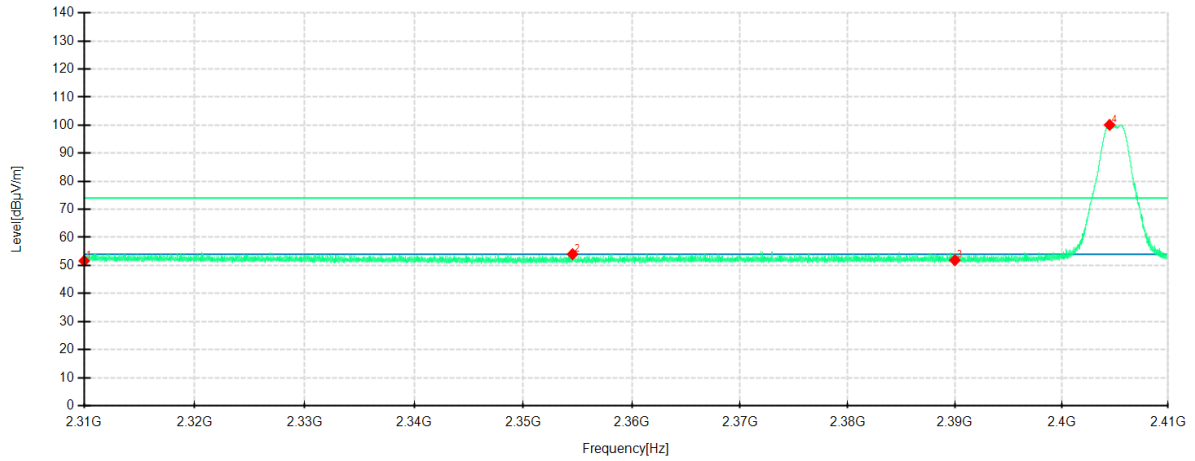
MG22-1:

Lowest Channel

Channel 2405MHz

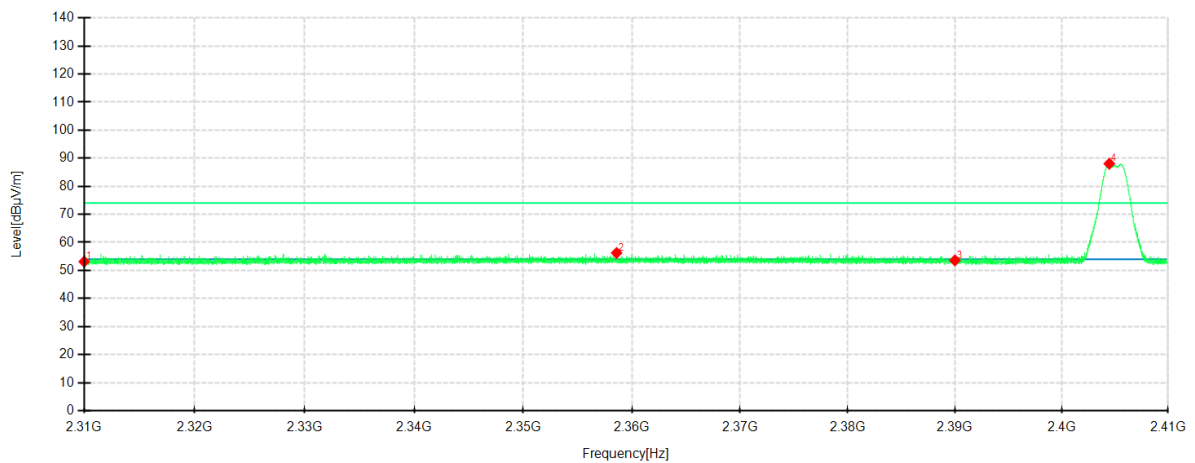
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



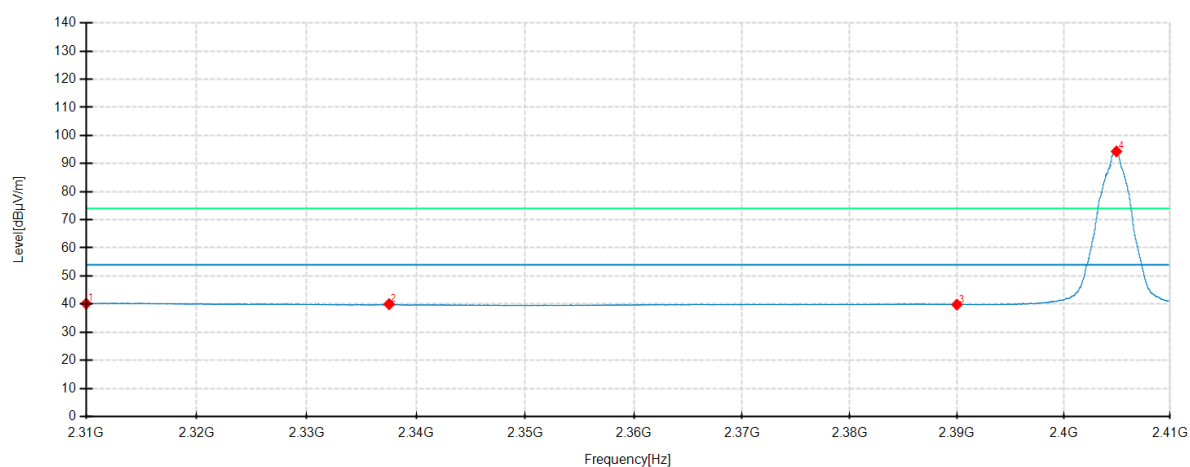
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310	42.27	51.62	9.35	74.00	22.38	200	176	Horizontal	/
2	2354.5363	45.44	54.01	8.57	74.00	19.99	200	65	Horizontal	/
3	2390	42.94	51.87	8.93	74.00	22.13	100	242	Horizontal	
4	2404.4996	91.05	100.10	9.05	74.00	-26.10	100	96	Horizontal	No limit
1	2310	43.20	53.13	9.93	74.00	20.87	200	209	Vertical	/
2	2358.5966	46.04	56.22	10.18	74.00	17.78	100	70	Vertical	/
3	2390	43.50	53.57	10.07	74.00	20.43	200	332	Vertical	/
4	2404.473	78.10	88.05	9.95	74.00	-14.05	200	197	Vertical	No limit

Lowest Channel

Channel 2405MHz

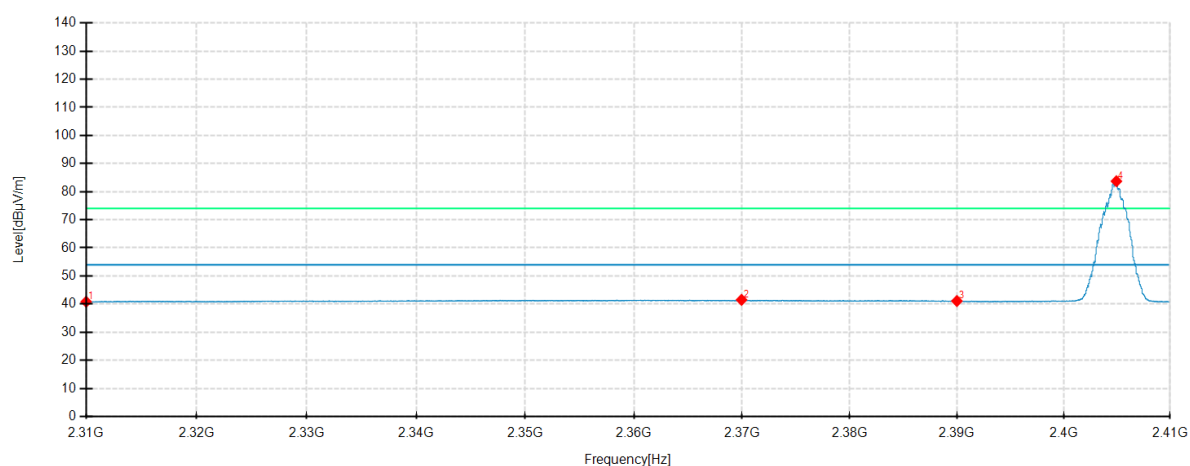
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



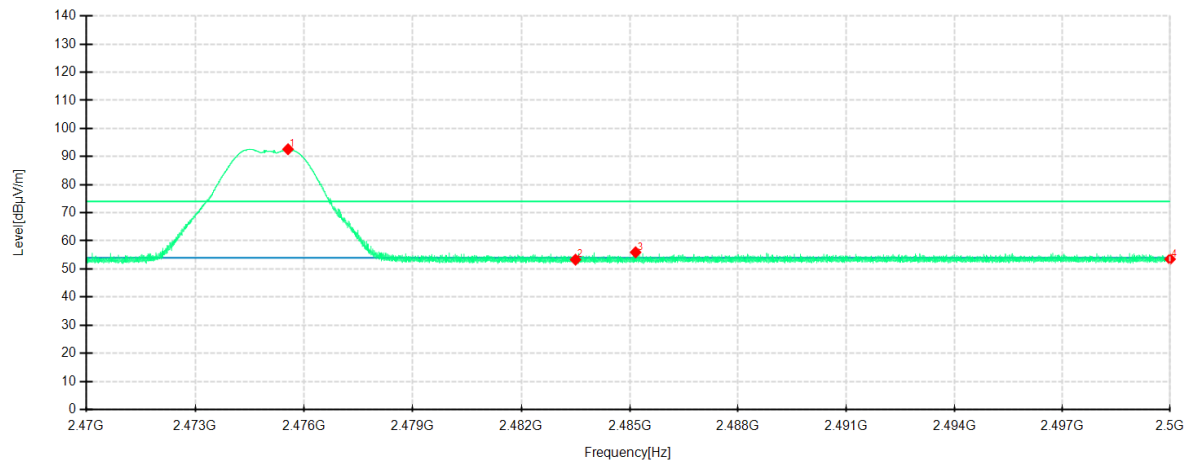
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310	30.80	40.15	9.35	54.00	13.85	200	212	Horizontal	/
2	2337.5285	31.19	39.97	8.78	54.00	14.03	100	286	Horizontal	/
3	2390	30.87	39.80	8.93	54.00	14.20	100	250	Horizontal	/
4	2404.9597	85.26	94.31	9.05	54.00	-40.31	200	262	Horizontal	No limit
1	2310	30.89	40.82	9.93	54.00	13.18	100	176	Vertical	/
2	2369.9573	31.36	41.50	10.14	54.00	12.50	100	59	Vertical	/
3	2390	31.02	41.09	10.07	54.00	12.91	200	171	Vertical	/
4	2404.953	73.78	83.72	9.94	54.00	-29.72	200	196	Vertical	No limit

Highest Channel

Channel 2475MHz

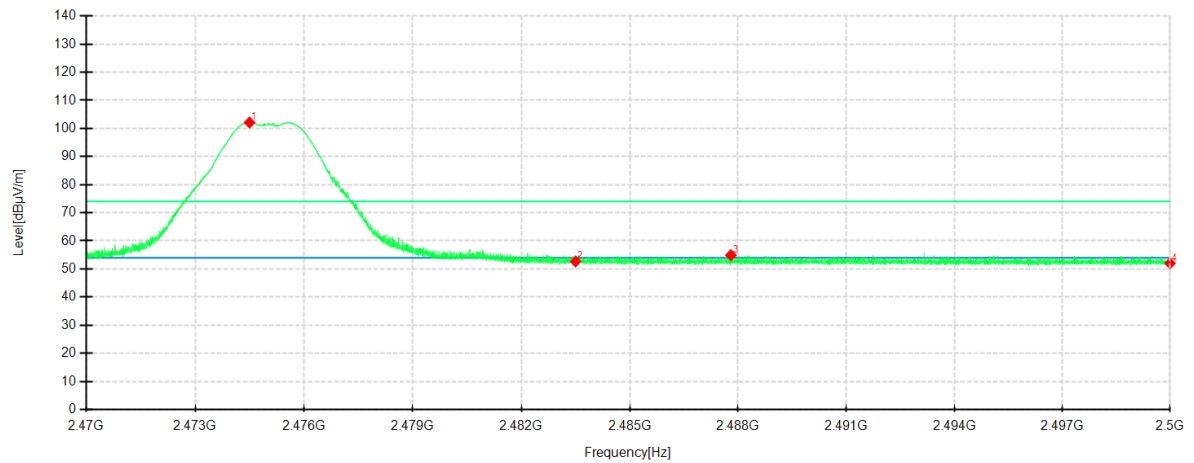
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



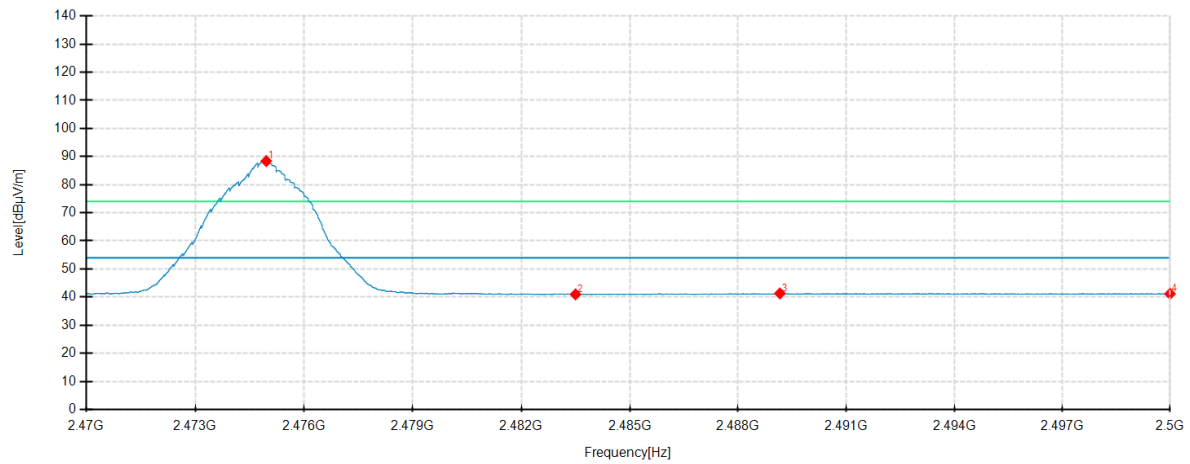
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2475.5604	82.84	92.60	9.76	74.00	-18.60	200	197	Horizontal	No limit
2	2483.5	43.39	53.31	9.92	74.00	20.69	100	142	Horizontal	/
3	2485.163	45.98	55.93	9.95	74.00	18.07	100	74	Horizontal	/
4	2500	43.25	53.50	10.25	74.00	20.50	200	298	Horizontal	/
1	2474.5003	92.88	102.12	9.24	74.00	-28.12	100	88	Vertical	No limit
2	2483.5	43.40	52.68	9.28	74.00	21.32	100	64	Vertical	/
3	2487.8012	45.61	54.91	9.30	74.00	19.09	100	88	Vertical	/
4	2500	42.67	52.02	9.35	74.00	21.98	100	149	Vertical	/

Highest Channel

Channel 2475MHz

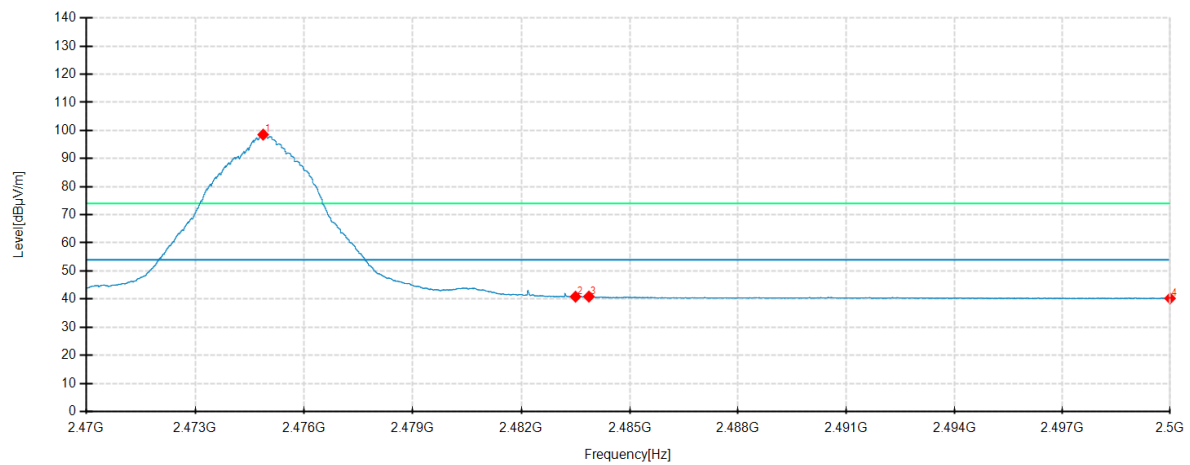
Detector mode: Average

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	Comment
1	2474.9603	78.66	88.40	9.74	54.00	-34.40	200	196	Horizontal	No limit
2	2483.5	31.04	40.96	9.92	54.00	13.04	100	78	Horizontal	/
3	2489.1593	31.25	41.28	10.03	54.00	12.72	200	135	Horizontal	/
4	2500	30.90	41.15	10.25	54.00	12.85	100	350	Horizontal	/
1	2474.8743	89.27	98.51	9.24	54.00	-44.51	100	270	Vertical	No limit
2	2483.5	31.57	40.85	9.28	54.00	13.15	100	258	Vertical	/
3	2483.8709	31.61	40.89	9.28	54.00	13.11	200	263	Vertical	/
4	2500	30.90	40.25	9.35	54.00	13.75	100	270	Vertical	/

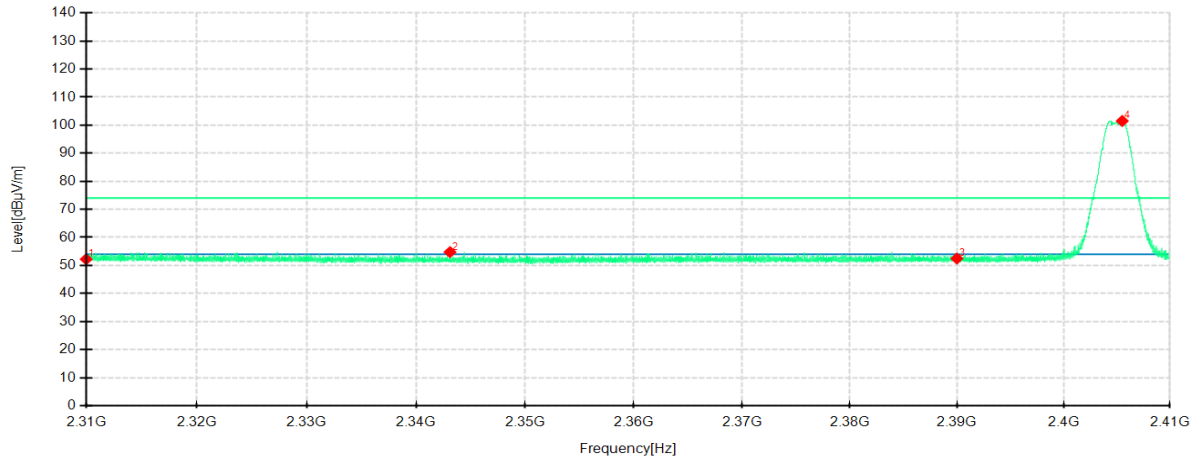
MG13:

Lowest Channel

Channel 2405MHz

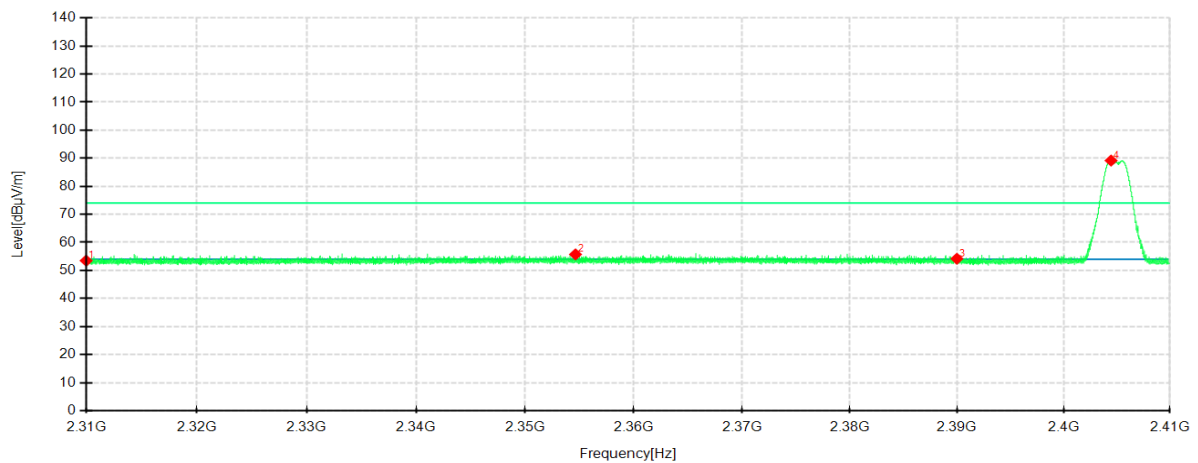
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



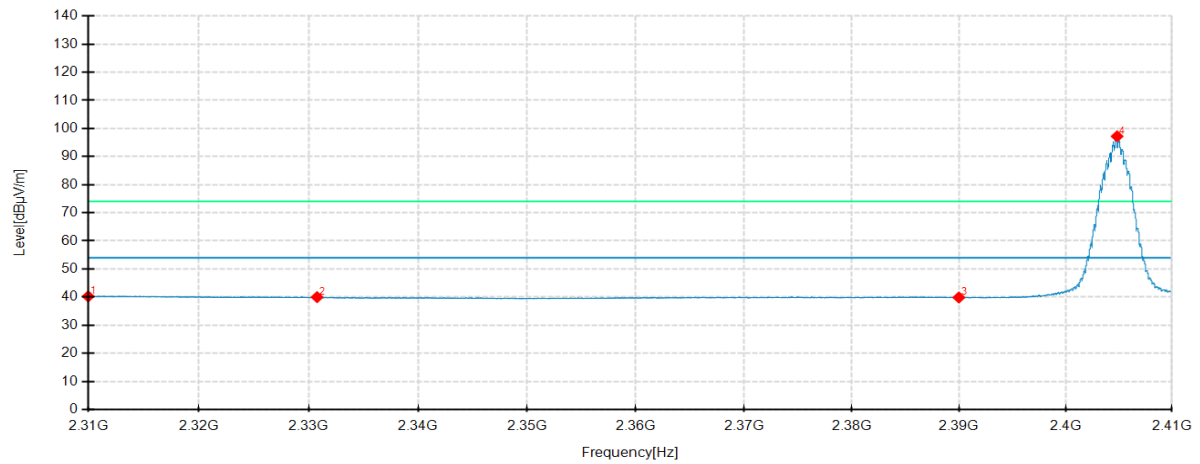
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310	42.86	52.21	9.35	74.00	21.79	200	174	Horizontal	/
2	2343.0955	46.10	54.76	8.66	74.00	19.24	100	331	Horizontal	/
3	2390	43.54	52.47	8.93	74.00	21.53	200	127	Horizontal	
4	2405.5064	92.45	101.50	9.05	74.00	-27.50	100	236	Horizontal	No limit
1	2310	43.55	53.48	9.93	74.00	20.52	200	22	Vertical	/
2	2354.623	45.52	55.72	10.20	74.00	18.28	200	132	Vertical	/
3	2390	44.10	54.17	10.07	74.00	19.83	200	226	Vertical	/
4	2404.453	79.22	89.17	9.95	74.00	-15.17	100	148	Vertical	No limit

Lowest Channel

Channel 2405MHz

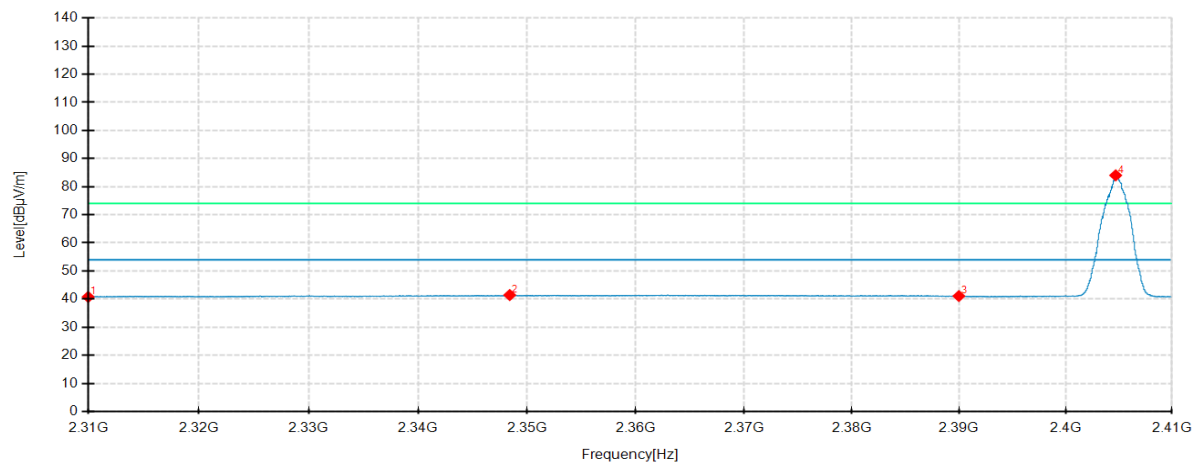
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



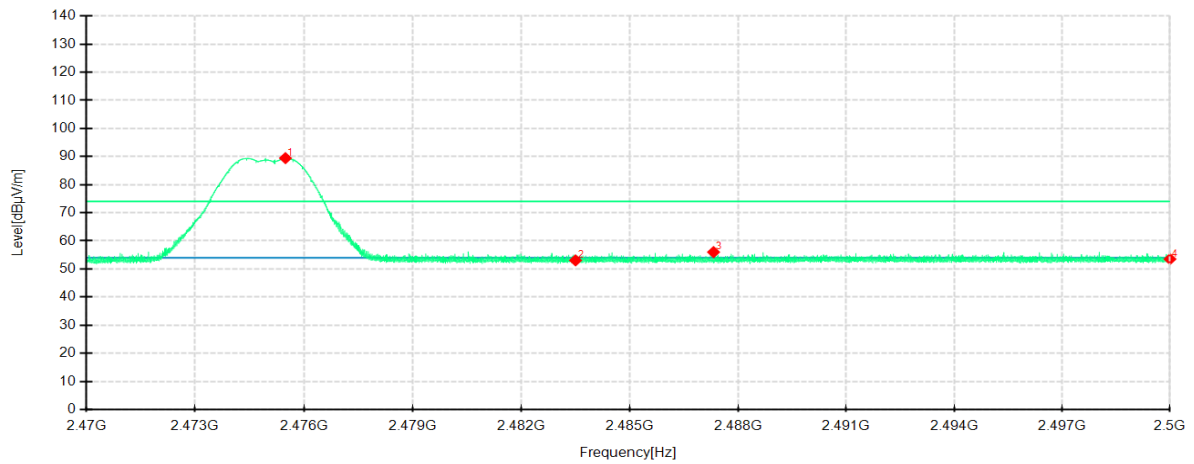
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2310	30.89	40.24	9.35	54.00	13.76	200	147	Horizontal	/
2	2330.7681	31.06	39.98	8.92	54.00	14.02	100	277	Horizontal	/
3	2390	30.92	39.85	8.93	54.00	14.15	200	320	Horizontal	/
4	2404.833	88.14	97.19	9.05	54.00	-43.19	100	240	Horizontal	No limit
1	2310	30.83	40.76	9.93	54.00	13.24	200	19	Vertical	/
2	2348.3892	31.21	41.42	10.21	54.00	12.58	100	218	Vertical	/
3	2390	31.00	41.07	10.07	54.00	12.93	200	8	Vertical	/
4	2404.6996	74.09	84.03	9.94	54.00	-30.03	100	218	Vertical	No limit

Highest Channel

Channel 2475MHz

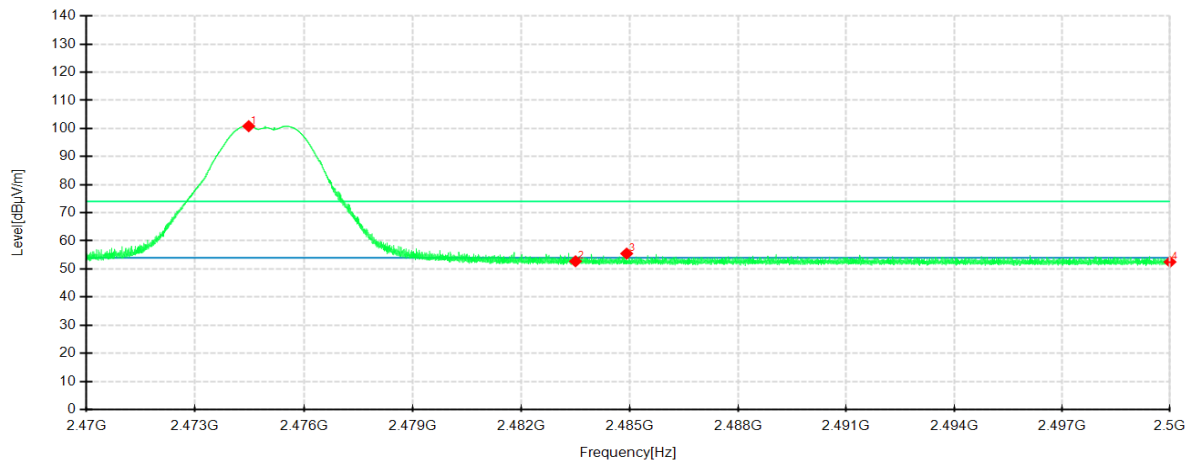
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



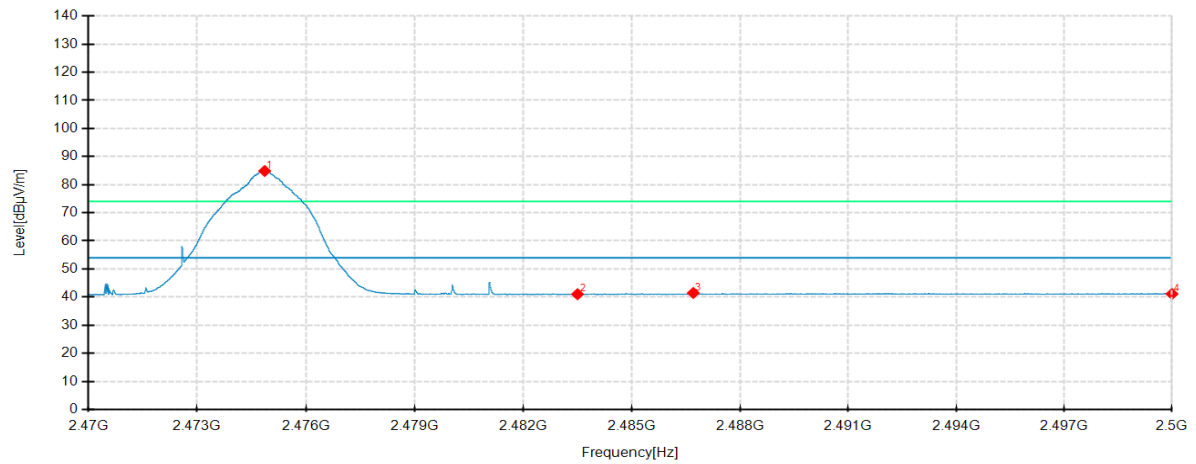
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2475.4884	79.68	89.44	9.76	74.00	-15.44	200	186	Horizontal	No limit
2	2483.5	43.13	53.05	9.92	74.00	20.95	100	140	Horizontal	/
3	2487.3212	46.00	56.00	10.00	74.00	18.00	100	324	Horizontal	/
4	2500	43.27	53.52	10.25	74.00	20.48	200	148	Horizontal	/
1	2474.4763	91.57	100.81	9.24	74.00	-26.81	100	232	Vertical	No limit
2	2483.5	43.45	52.73	9.28	74.00	21.27	100	134	Vertical	/
3	2484.915	46.19	55.48	9.29	74.00	18.52	200	190	Vertical	/
4	2500	43.16	52.51	9.35	74.00	21.49	100	0	Vertical	/

Highest Channel

Channel 2475MHz

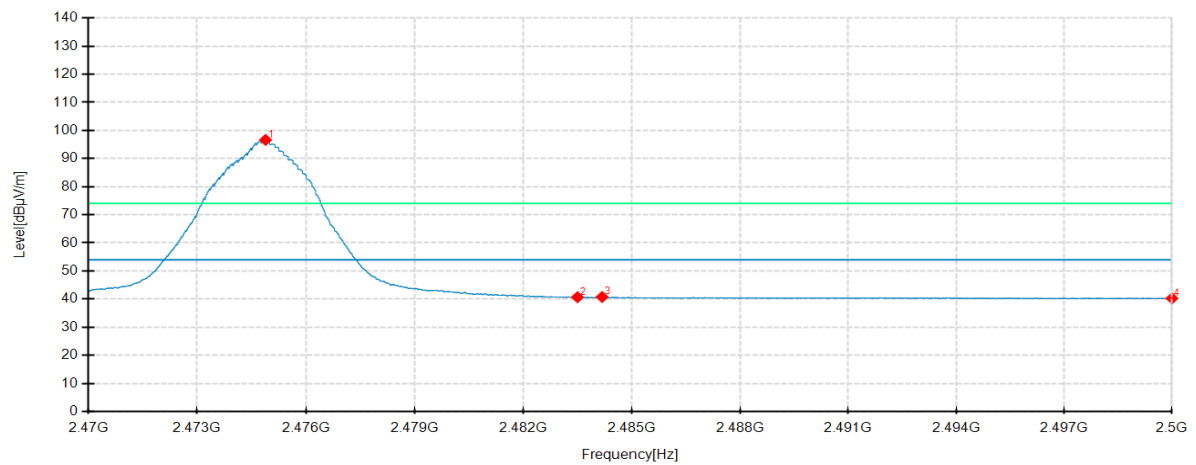
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	2474.8603	75.12	84.86	9.74	54.00	-30.86	200	184	Horizontal	No limit
2	2483.5	31.10	41.02	9.92	54.00	12.98	100	199	Horizontal	/
3	2486.7051	31.48	41.46	9.98	54.00	12.54	200	100	Horizontal	/
4	2500	30.85	41.10	10.25	54.00	12.90	100	199	Horizontal	/
1	2474.8863	87.40	96.64	9.24	54.00	-42.64	100	235	Vertical	No limit
2	2483.5	31.39	40.67	9.28	54.00	13.33	100	235	Vertical	/
3	2484.1809	31.47	40.75	9.28	54.00	13.25	100	235	Vertical	/
4	2500	30.90	40.25	9.35	54.00	13.75	200	152	Vertical	/

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

APPENDIX A. PHOTOGRAPH OF THE TEST CONNECTION DIAGRAM

Please refer to the attached document E202303101204-7-Test photo.

APPENDIX B. PHOTOGRAPH OF THE EUT

Please refer to the attached document E202303101204-8-EUT photo.

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