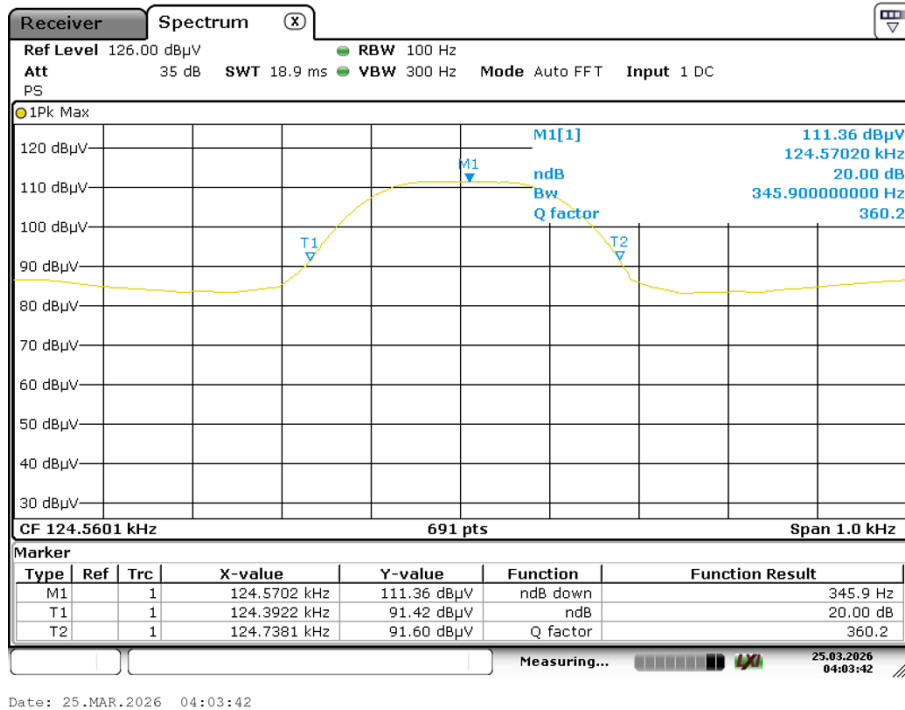


Appendix A: Test Results of 125kHz

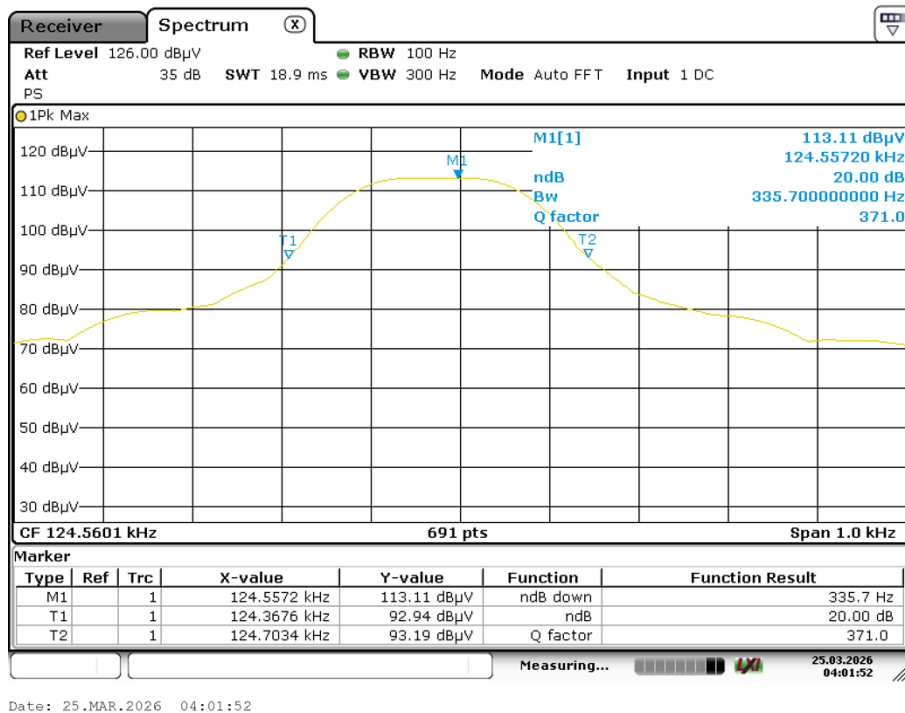
APPENDIX A: TEST RESULTS OF 125KHZ.....	1
APPENDIX A.1: TEST RESULTS OF 20DB BANDWIDTH	2
<i>Operating mode</i>	<i>2</i>
<i>Standby</i>	<i>2</i>
APPENDIX A.2: TEST RESULTS OF 99% BANDWIDTH	3
<i>Operating mode</i>	<i>3</i>
<i>Standby</i>	<i>3</i>
APPENDIX A.3: TEST RESULTS OF RADIATED SPURIOUS EMISSION	4
<i>Operating mode</i>	<i>4</i>
<i>Standby</i>	<i>9</i>

Appendix A.1: Test Results of 20dB Bandwidth

Operating mode

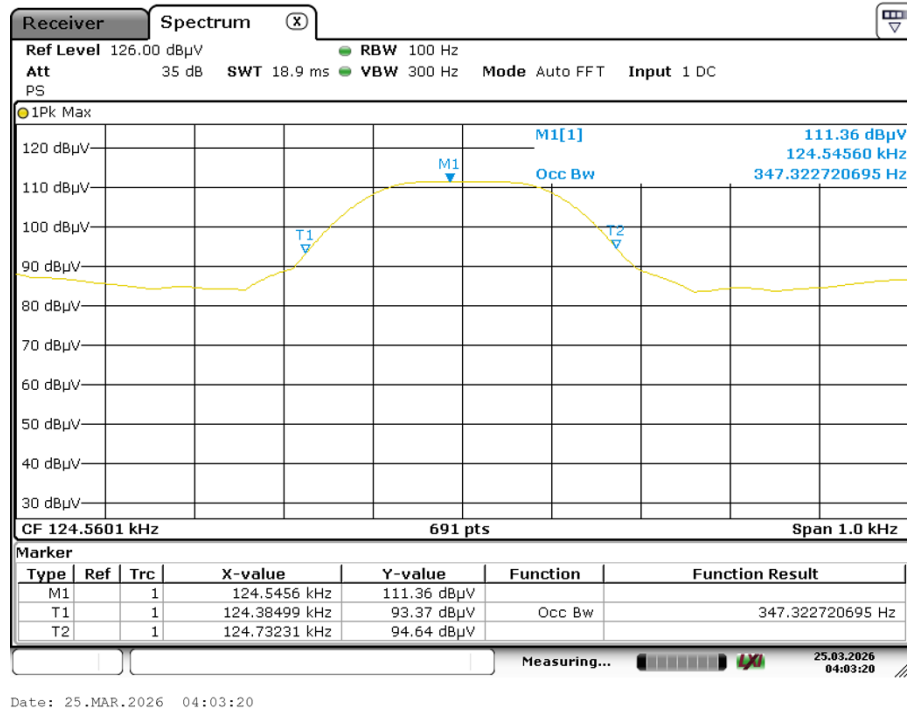


Standby

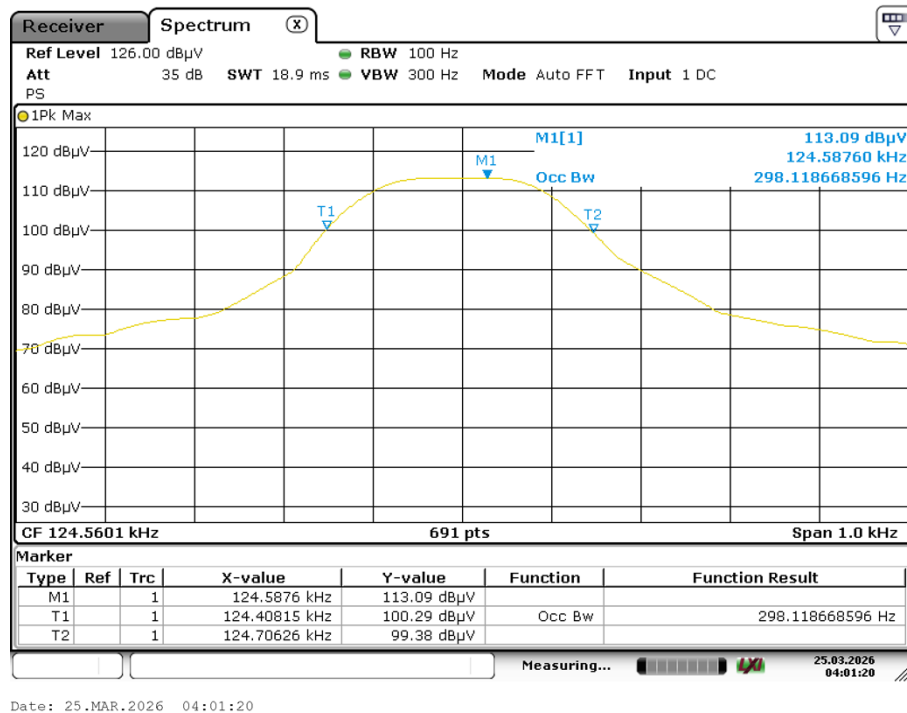


Appendix A.2: Test Results of 99% Bandwidth

Operating mode



Standby



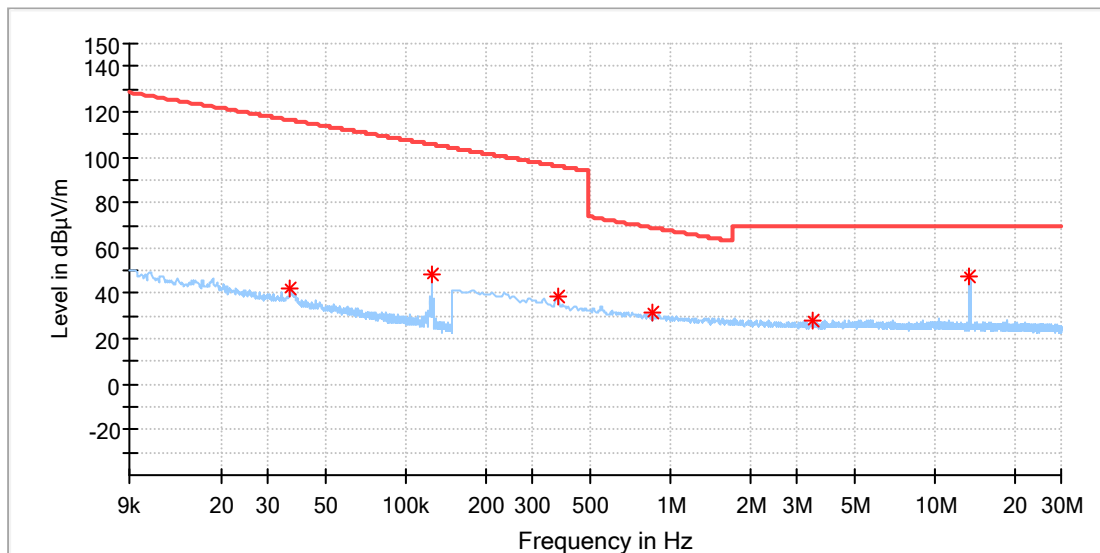
Appendix A.3: Test Results of Radiated Spurious Emission

Note: The highest waveform in the figure is Fundamental and/or harmonics frequency.

Operating mode

EUT Information

EUT Name:	Smart lock
Model:	1507-R
Test Mode:	125kHz
Order No/Sample No:	27220691/A004206636-001
Test Voltage:	DC 12V From DC Source
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

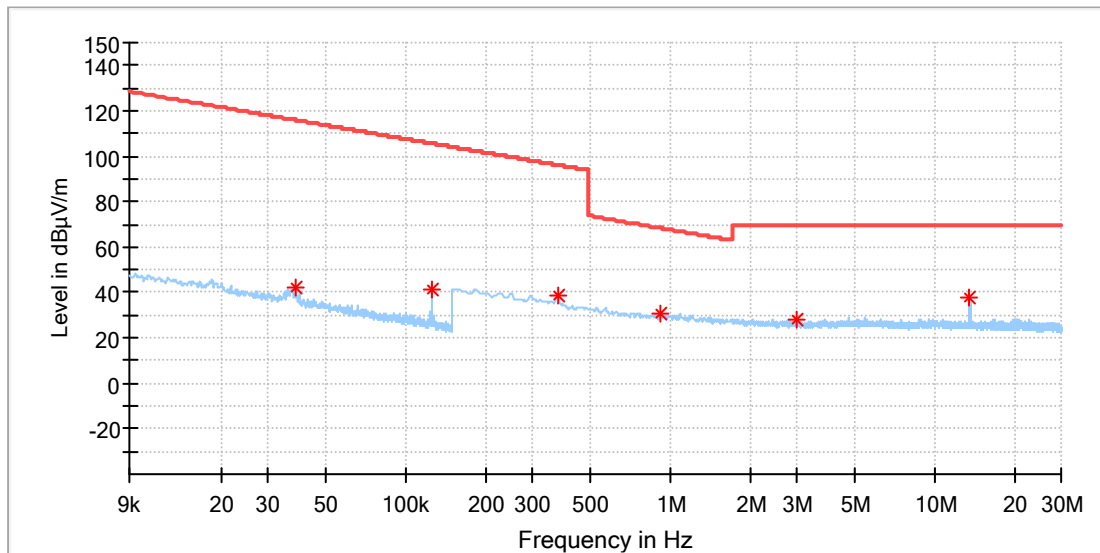
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.036596	41.86	116.32	74.46	100.0	X	89.0	19.9
0.124620	48.71	105.69	56.98	100.0	X	146.0	19.9
0.373875	38.45	96.15	57.70	100.0	X	170.0	19.9
0.861133	32.00	68.92	36.92	100.0	X	310.0	19.9
3.442280	27.63	69.50	41.87	100.0	X	159.0	20.1
13.560552	47.55	69.50	21.95	100.0	X	65.0	20.3

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Smart lock
Model: 1507-R
Test Mode: 125kHz
Order No/Sample No: 27220691/A004206636-001
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

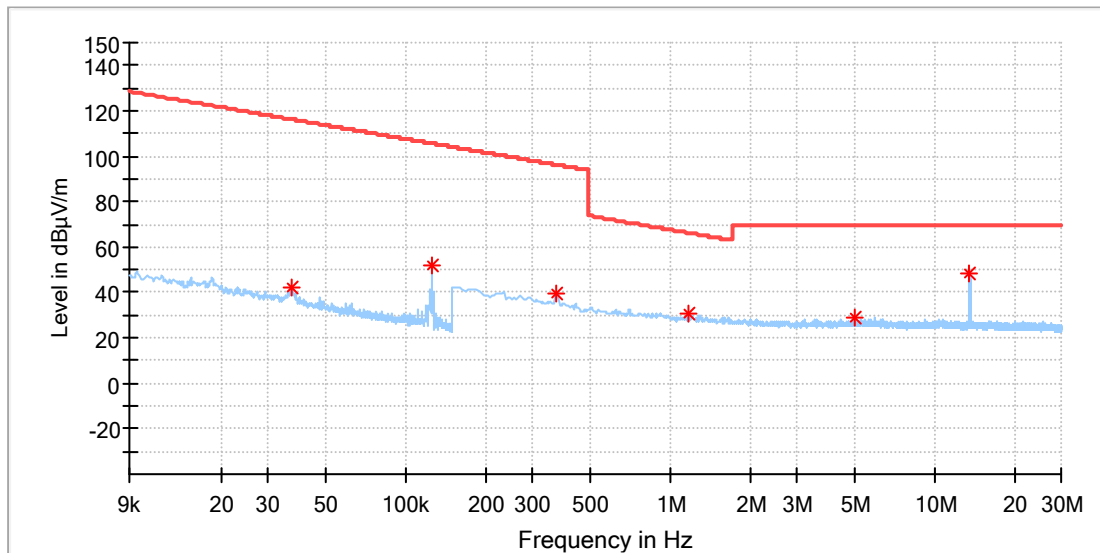
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.038106	42.10	115.97	73.87	100.0	Y	298.0	19.9
0.124620	41.36	105.69	64.32	100.0	Y	246.0	19.9
0.373875	38.52	96.15	57.62	100.0	Y	168.0	19.9
0.918199	31.11	68.36	37.25	100.0	Y	352.0	19.9
2.976971	28.05	69.50	41.45	100.0	Y	323.0	20.0
13.560552	37.60	69.50	31.90	100.0	Y	142.0	20.3

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Smart lock
Model: 1507-R
Test Mode: 125kHz
Order No/Sample No: 27220691/A004206636-001
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

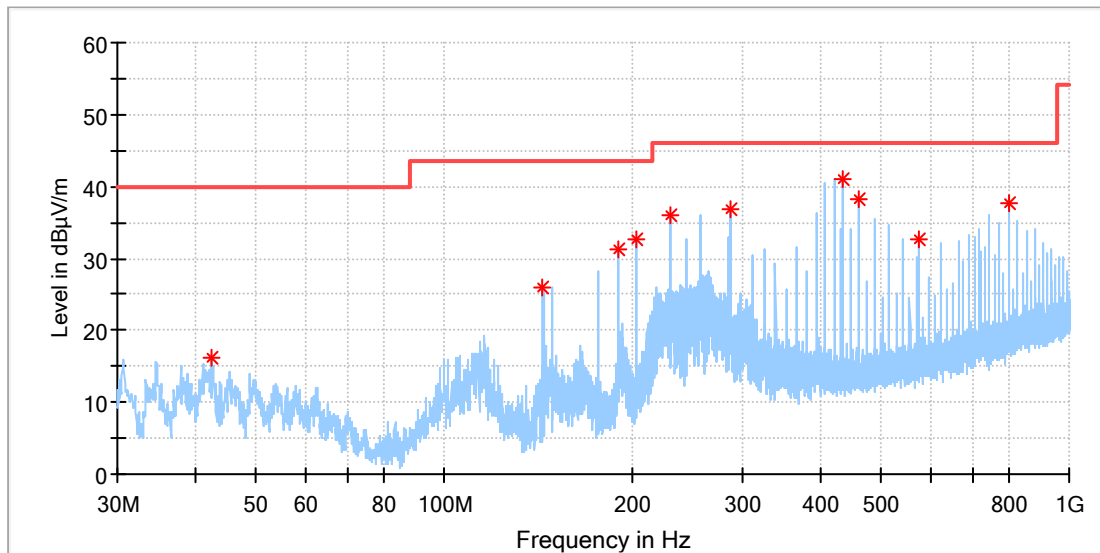
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.036797	42.15	116.28	74.12	100.0	Z	235.0	19.9
0.124620	51.53	105.69	54.15	100.0	Z	228.0	19.9
0.369485	39.53	96.25	56.72	100.0	Z	331.0	19.9
1.172802	30.39	66.24	35.86	100.0	Z	349.0	19.9
4.987456	28.78	69.50	40.72	100.0	Z	309.0	20.1
13.560552	48.49	69.50	21.01	100.0	Z	316.0	20.3

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Smart lock
Model: 1507-R
Test Mode: 125kHz
Order No/Sample No: 27220691/A004206636-001
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

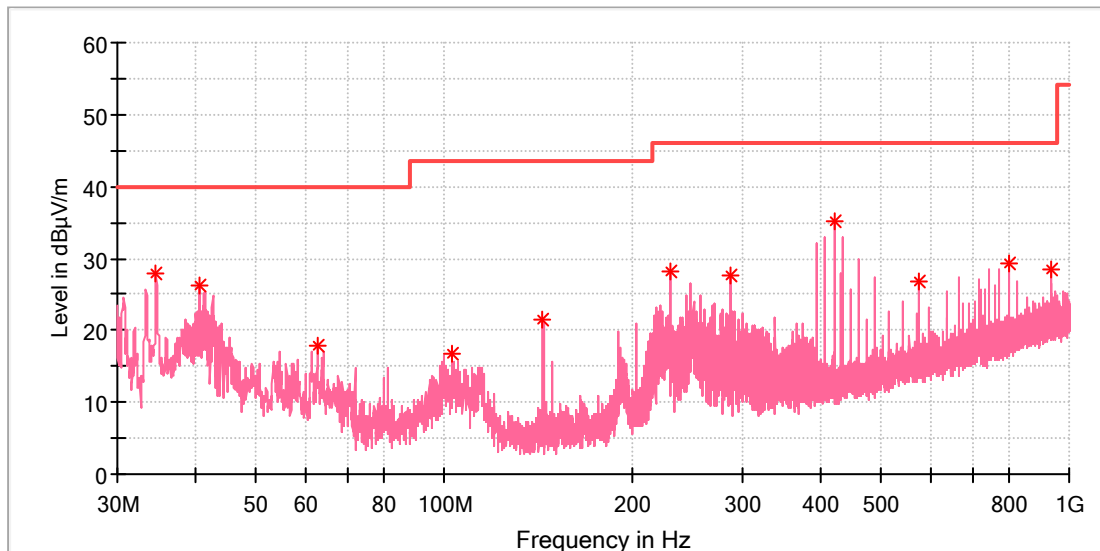
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
42.340556	16.15	40.00	23.85	100.0	H	99.0	-19.6
143.975000	26.04	43.50	17.46	100.0	H	293.0	-22.4
189.834444	31.38	43.50	12.12	100.0	H	170.0	-19.7
203.414444	32.72	43.50	10.78	100.0	H	307.0	-19.0
230.520556	36.04	46.00	9.96	100.0	H	307.0	-18.1
288.020000	36.82	46.00	9.18	100.0	H	250.0	-16.6
433.951111	41.02	46.00	4.98	100.0	H	210.0	-13.1
461.057222	38.32	46.00	7.68	100.0	H	218.0	-12.5
576.056111	32.64	46.00	13.36	100.0	H	150.0	-10.2
800.072222	37.65	46.00	8.35	100.0	H	6.0	-6.2

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Smart lock
Model: 1507-R
Test Mode: 125kHz
Order No/Sample No: 27220691/A004206636-001
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.634444	27.91	40.00	12.09	100.0	V	285.0	-22.1
40.670000	26.23	40.00	13.77	100.0	V	5.0	-20.0
62.710556	17.97	40.00	22.03	100.0	V	195.0	-19.7
102.803889	16.84	43.50	26.67	100.0	V	153.0	-19.0
143.975000	21.46	43.50	22.04	100.0	V	87.0	-22.4
230.520556	28.27	46.00	17.73	100.0	V	219.0	-18.1
288.020000	27.74	46.00	18.26	100.0	V	28.0	-16.6
420.371111	35.23	46.00	10.77	100.0	V	195.0	-13.2
576.056111	26.86	46.00	19.14	100.0	V	102.0	-10.2
800.072222	29.32	46.00	16.68	100.0	V	102.0	-6.2
938.405000	28.51	46.00	17.49	100.0	V	0.0	-4.4

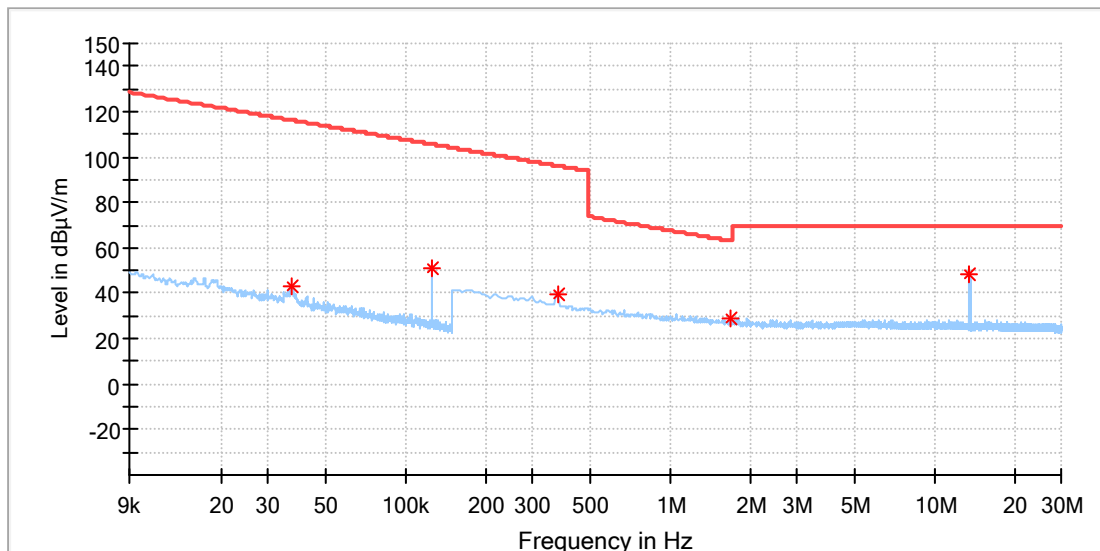
Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Standby

EUT Information

EUT Name:	Smart lock
Model:	1507-R
Test Mode:	Standby
Order No/Sample No:	27220691/A004206636-001
Test Voltage:	DC 12V From DC Source
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

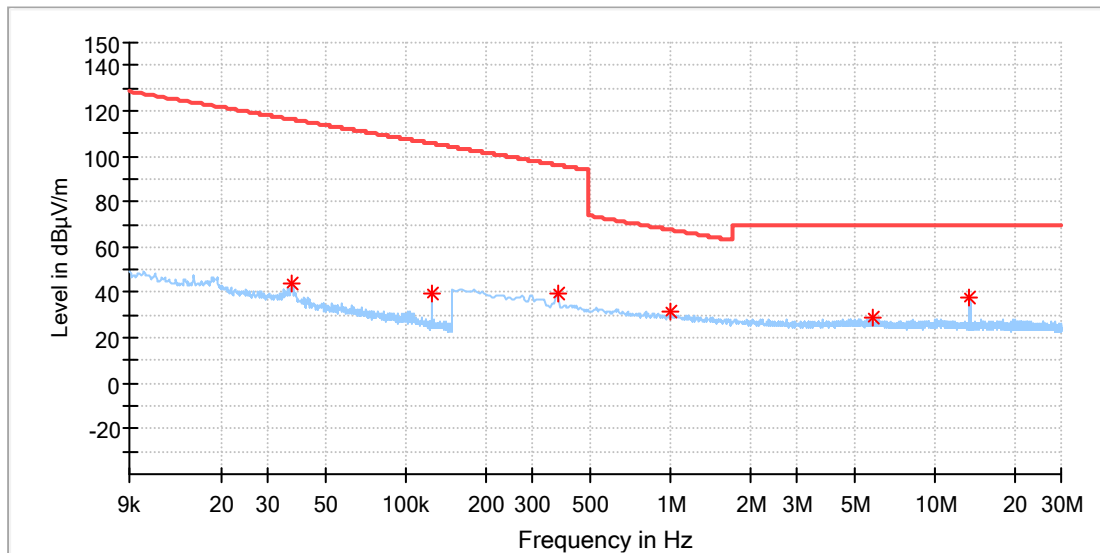
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.036898	42.80	116.25	73.45	100.0	X	273.0	19.9
0.124620	50.92	105.69	54.77	100.0	X	122.0	19.9
0.373875	39.69	96.15	56.45	100.0	X	233.0	19.9
1.686397	29.14	63.10	33.95	100.0	X	57.0	20.0
13.560552	48.43	69.50	21.07	100.0	X	82.0	20.3

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Smart lock
Model: 1507-R
Test Mode: Standby
Order No/Sample No: 27220691/A004206636-001
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

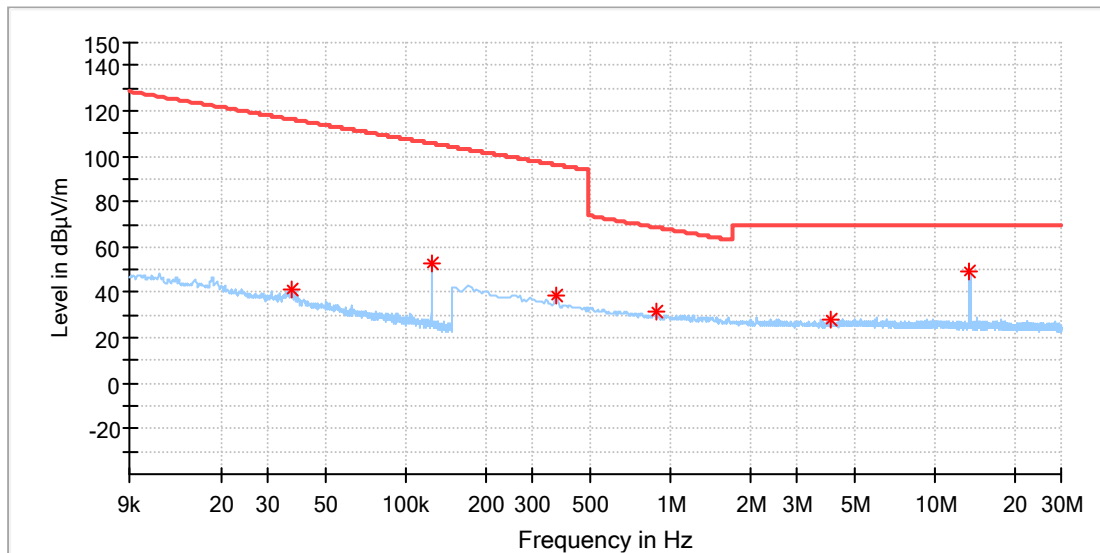
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.036999	43.90	116.23	72.33	100.0	Y	263.0	19.9
0.124620	39.29	105.69	66.40	100.0	Y	235.0	19.9
0.373875	39.53	96.15	56.62	100.0	Y	271.0	19.9
1.001603	31.16	67.61	36.45	100.0	Y	325.0	19.9
5.839059	29.29	69.50	40.21	100.0	Y	203.0	20.1
13.560552	37.56	69.50	31.94	100.0	Y	163.0	20.3

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Smart lock
Model: 1507-R
Test Mode: Standby
Order No/Sample No: 27220691/A004206636-001
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

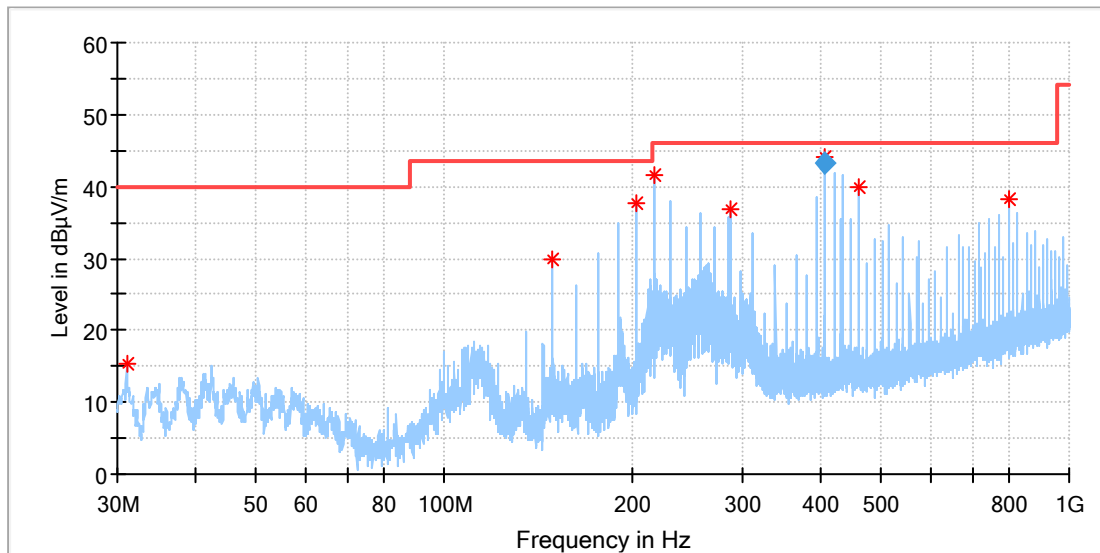
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.036797	41.59	116.28	74.68	100.0	Z	72.0	19.9
0.124519	52.71	105.69	52.98	100.0	Z	241.0	19.9
0.369485	38.27	96.25	57.98	100.0	Z	56.0	19.9
0.883081	31.28	68.70	37.42	100.0	Z	6.0	19.9
4.065618	28.07	69.50	41.43	100.0	Z	144.0	20.1
13.560552	49.31	69.50	20.19	100.0	Z	288.0	20.3

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Smart lock
Model: 1507-R
Test Mode: Standby
Order No/Sample No: 27220691/A004206636-001
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

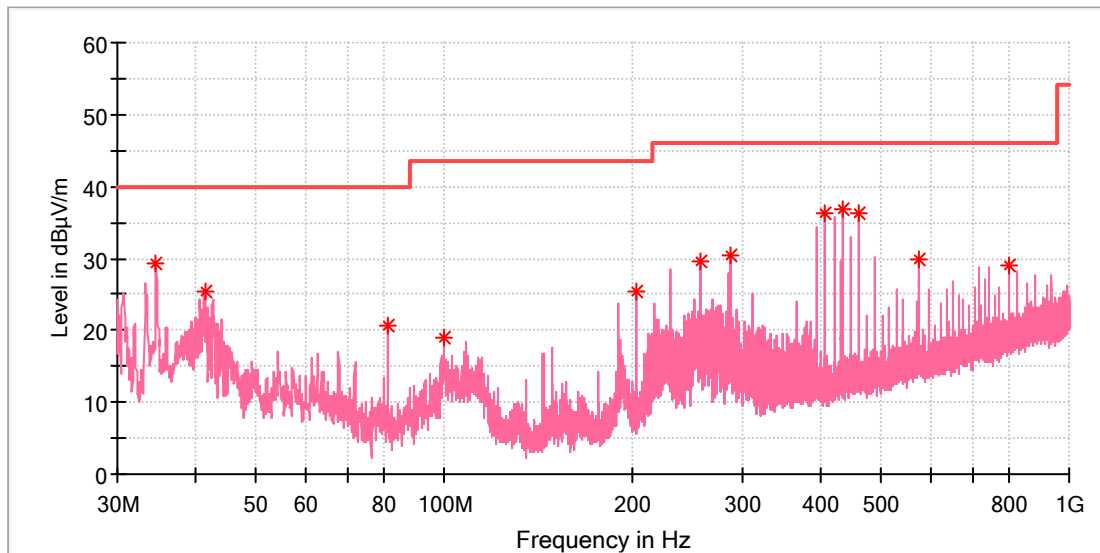
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.023889	15.38	40.00	24.62	100.0	H	283.0	-22.9
149.148333	29.83	43.50	13.67	100.0	H	283.0	-22.3
203.414444	37.55	43.50	5.95	100.0	H	233.0	-19.0
216.994444	41.69	46.00	4.31	100.0	H	295.0	-18.7
288.020000	36.76	46.00	9.24	100.0	H	240.0	-16.6
406.791111	44.10	46.00	1.90	100.0	H	0.0	-13.6
461.057222	39.96	46.00	6.04	100.0	H	0.0	-12.5
800.072222	38.24	46.00	7.76	100.0	H	139.0	-6.2

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
406.803167	43.25	46.00	2.75	100.0	H	-5.0	-13.6

EUT Information

EUT Name: Smart lock
Model: 1507-R
Test Mode: Standby
Order No/Sample No: 27220691/A004206636-001
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.634444	29.33	40.00	10.67	100.0	V	0.0	-22.1
41.370556	25.50	40.00	14.50	100.0	V	351.0	-19.8
81.356111	20.62	40.00	19.38	100.0	V	198.0	-23.3
100.109444	18.86	43.50	24.64	100.0	V	5.0	-19.1
203.414444	25.42	43.50	18.08	100.0	V	272.0	-19.0
257.626667	29.70	46.00	16.30	100.0	V	177.0	-17.2
288.020000	30.28	46.00	15.72	100.0	V	99.0	-16.6
406.791111	36.41	46.00	9.59	100.0	V	183.0	-13.6
433.951111	36.79	46.00	9.21	100.0	V	246.0	-13.1
461.057222	36.31	46.00	9.69	100.0	V	142.0	-12.5
576.056111	29.97	46.00	16.03	100.0	V	107.0	-10.2
800.072222	28.91	46.00	17.09	100.0	V	68.0	-6.2

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---