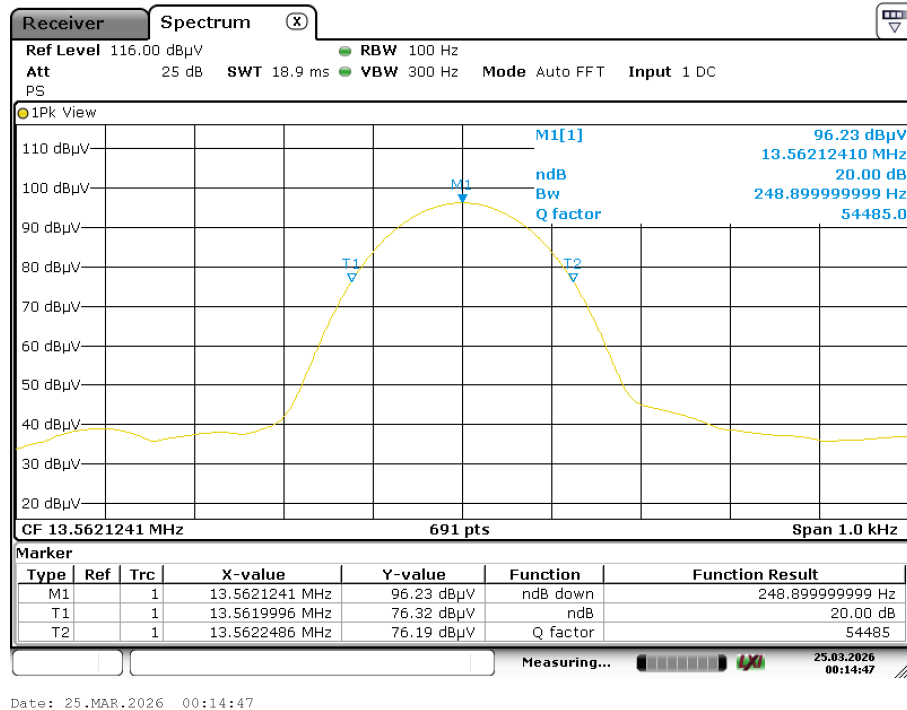


Appendix A: Test Results of NFC

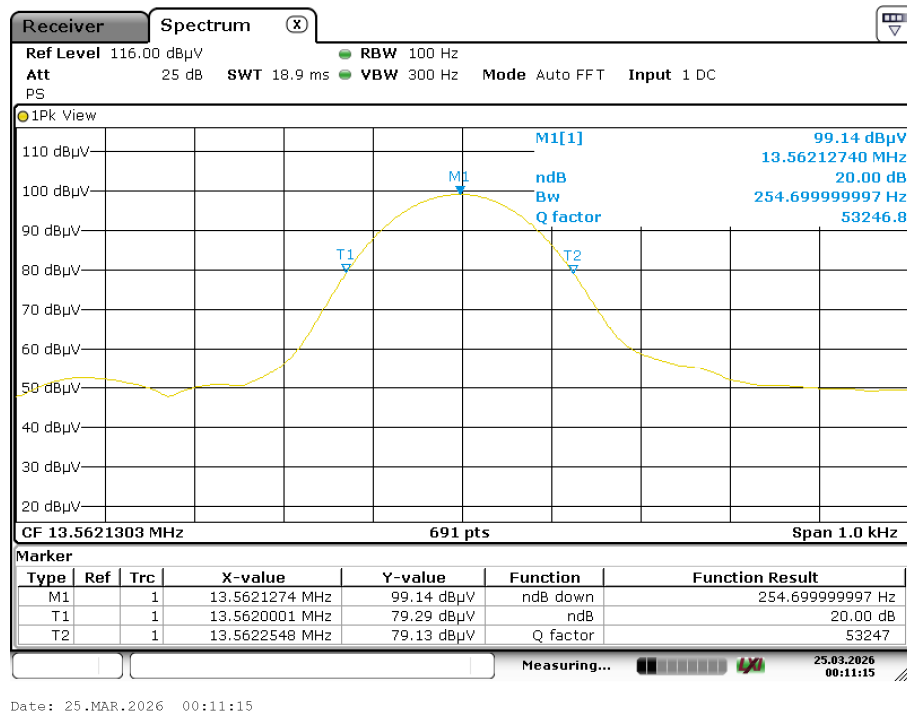
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Appendix A.1: Test Results of 20dB Bandwidth

Operating mode

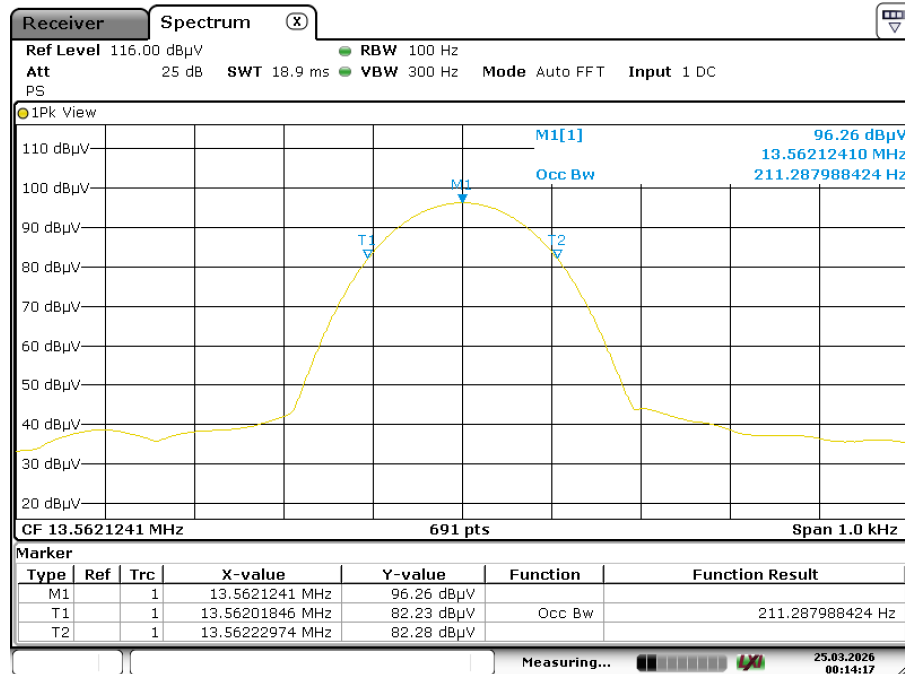


Standby



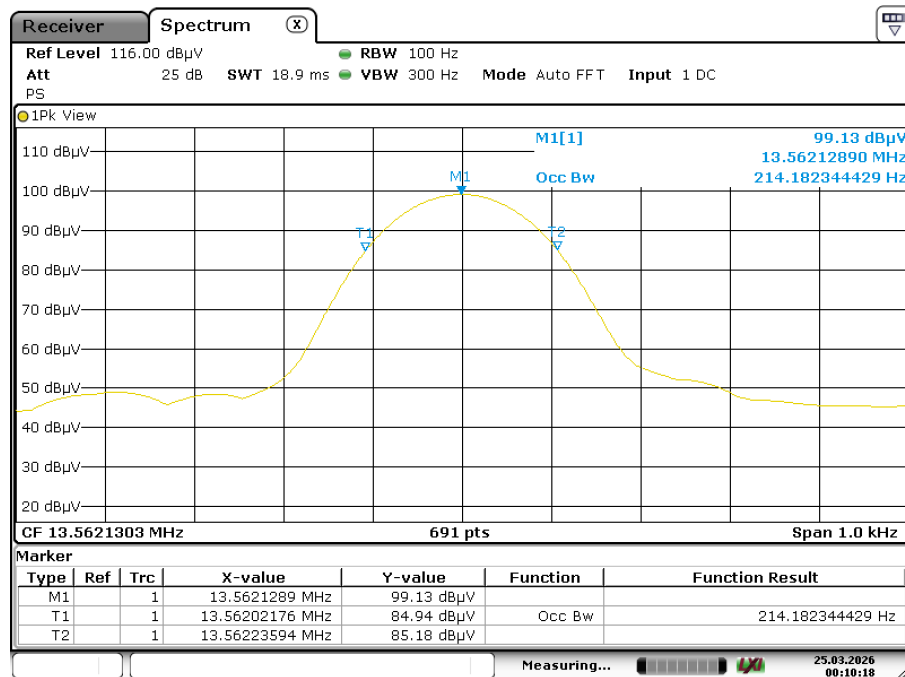
Appendix A.2: Test Results of 99% Bandwidth

Operating mode



Date: 25.MAR.2026 00:14:17

Standby



Date: 25.MAR.2026 00:10:18

Appendix A.3: Test Results of Frequency Stability

Test Frequency (MHz)	Test Conditions		Test Results (MHz)	Deviation (kHz)	Limit (kHz)	Result
	Temp(°C)	Volt (V DC)				
13.56	0	12	13.560342	0.342	±0.01% (1.356 kHz)	Pass
	10	12	13.560386	0.386		Pass
	20	12	13.560415	0.415		Pass
	30	12	13.560473	0.473		Pass
	40	12	13.560480	0.480		Pass
	25	10.2	13.560407	0.407		Pass
		13.8	13.560439	0.439		Pass

Note: Deviation (kHz) = (Test Result-13.56MHz)*1000

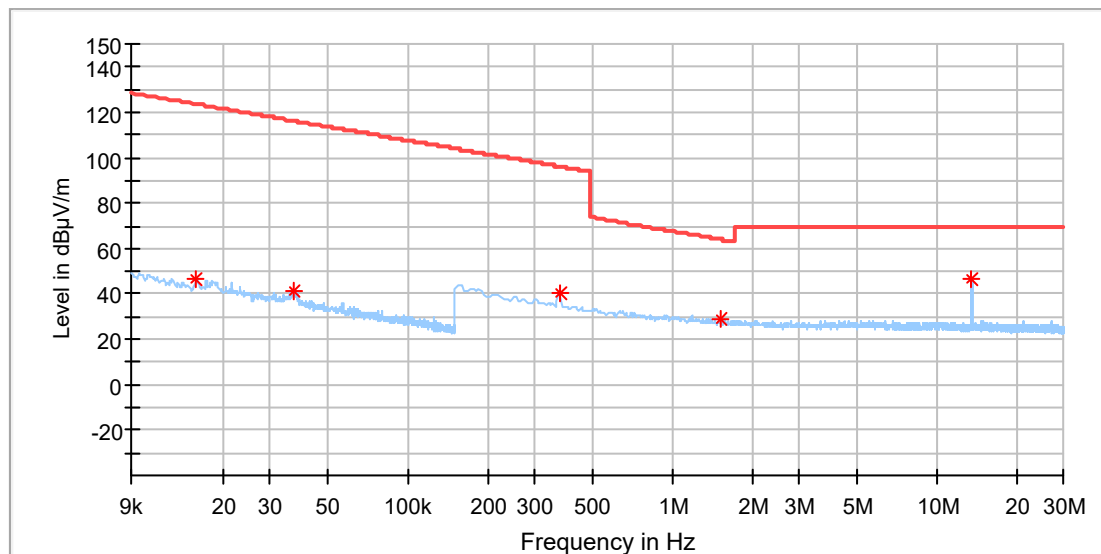
Appendix A.4: Test Results of Radiated Spurious Emission (In-Band & Out-Band Emissions)

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

Operating mode

EUT Information

EUT Name:	Smart lock
Model:	1507
Test Mode:	13.56MHz
Order No/Sample No:	27220691/A004206636-002
Test Voltage:	DC 12V From DC Source
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

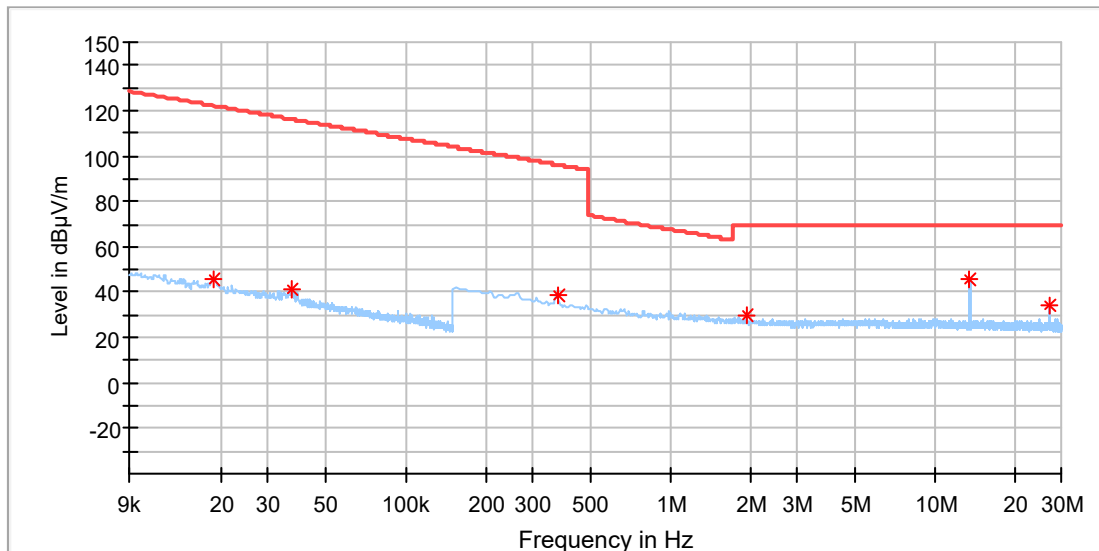
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.015748	46.74	123.64	76.90	100.0	X	331.0	19.9
0.036898	41.19	116.25	75.06	100.0	X	117.0	19.9
0.373875	40.51	96.15	55.64	100.0	X	296.0	19.9
1.528368	29.28	63.95	34.67	100.0	X	47.0	20.0
13.560552	46.38	69.50	23.12	100.0	X	286.0	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
Test Mode: 13.56MHz
Order No/Sample No: 27220691/A004206636-002
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.225
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

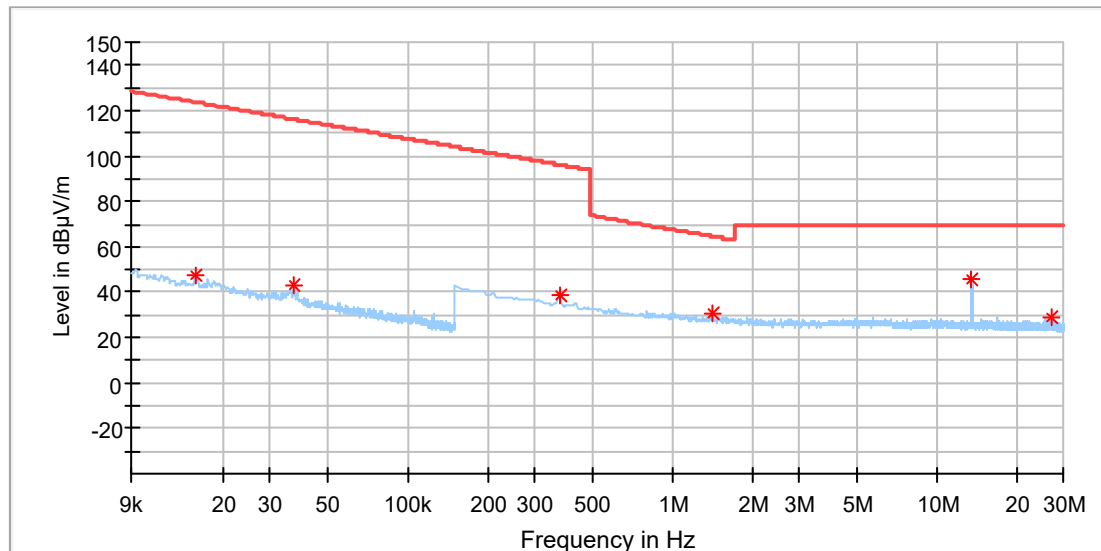
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.018870	45.84	122.07	76.23	100.0	Y	351.0	19.9
0.036797	41.64	116.28	74.64	100.0	Y	298.0	19.9
0.373875	38.42	96.15	57.73	100.0	Y	166.0	19.9
1.932221	29.68	69.50	39.82	100.0	Y	342.0	20.0
13.560552	45.69	69.50	23.81	100.0	Y	217.0	20.3
27.124743	34.59	69.50	34.91	100.0	Y	202.0	20.5

Final Result

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

EUT Name: Smart lock
Model: 1507
Test Mode: 13.56MHz
Order No/Sample No: 27220691/A004206636-002
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.225
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

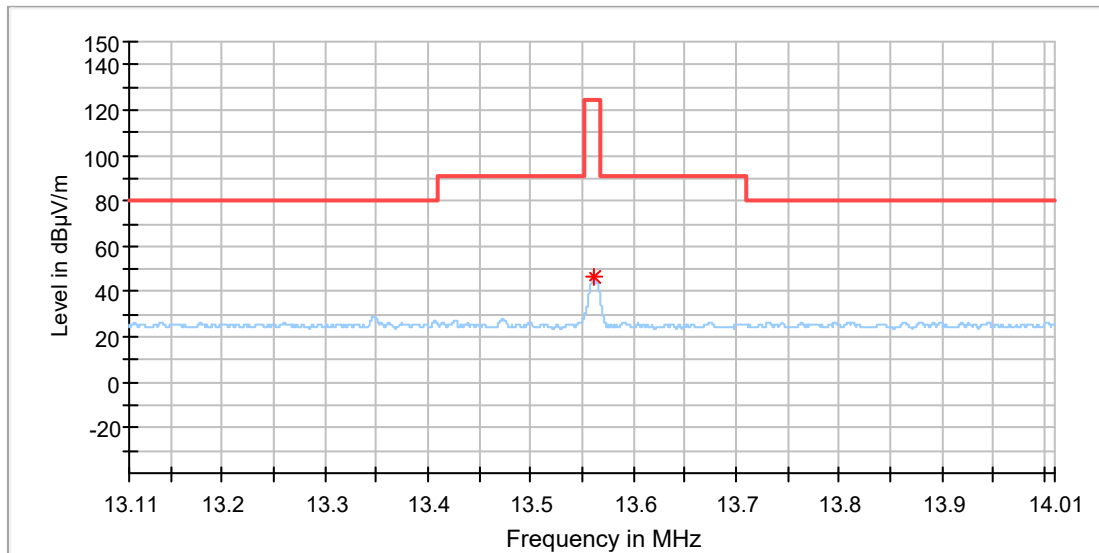
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.015748	47.29	123.64	76.35	100.0	Z	292.0	19.9
0.037099	43.43	116.20	72.78	100.0	Z	86.0	19.9
0.373875	38.64	96.15	57.51	100.0	Z	52.0	19.9
1.409846	30.32	64.65	34.33	100.0	Z	152.0	19.9
13.560552	45.43	69.50	24.07	100.0	Z	34.0	20.3
27.124743	29.01	69.50	40.49	100.0	Z	177.0	20.5

Final_Result

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

EUT Name:	Smart lock
Model:	1507
Test Mode:	13.56MHz
Order No/Sample No:	27220691/A004206636-002
Test Voltage::	DC 12V From DC Source
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

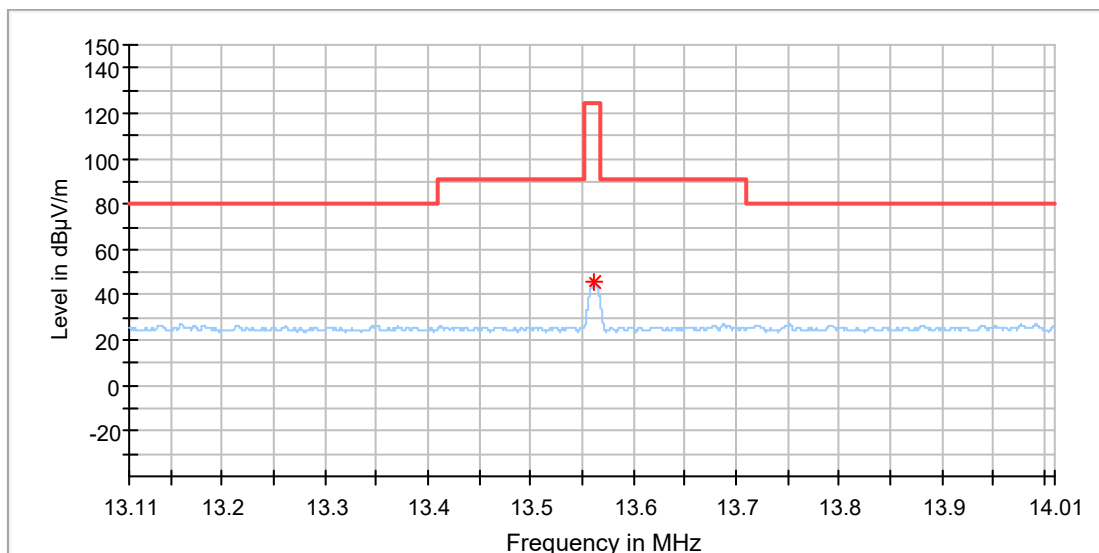
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
13.562118	46.19	124.00	77.81	100.0	X	274.0	20.0

Final Result

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

EUT Name: Smart lock
Model: 1507
Test Mode: 13.56MHz
Order No/Sample No: 27220691/A004206636-002
Test Voltage:: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.225
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

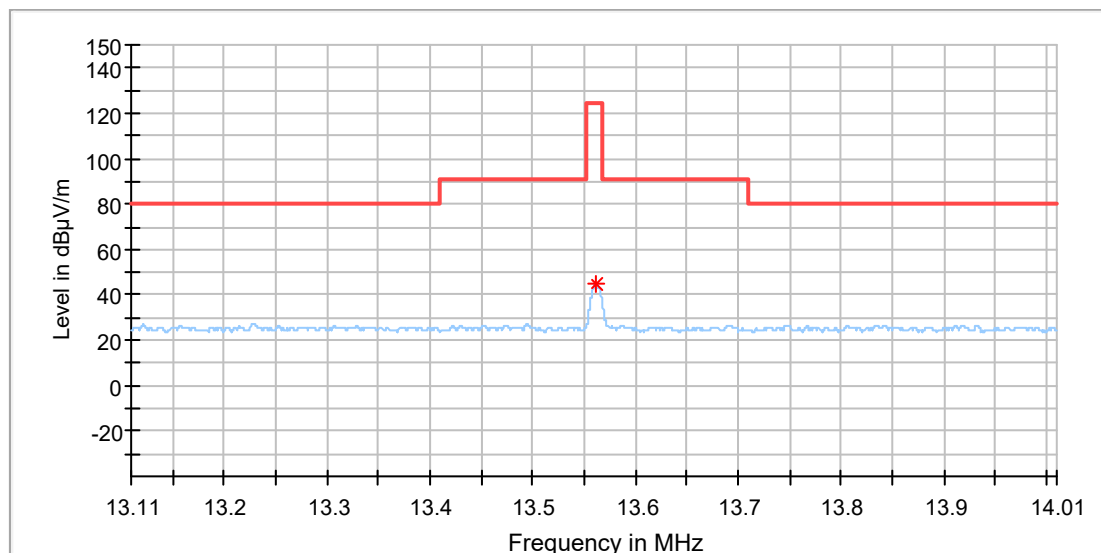
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
13.562118	45.52	124.00	78.48	100.0	Y	208.0	20.0

Final_Result

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

EUT Name:	Smart lock
Model:	1507
Test Mode:	13.56MHz
Order No/Sample No:	27220691/A004206636-002
Test Voltage::	DC 12V From DC Source
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

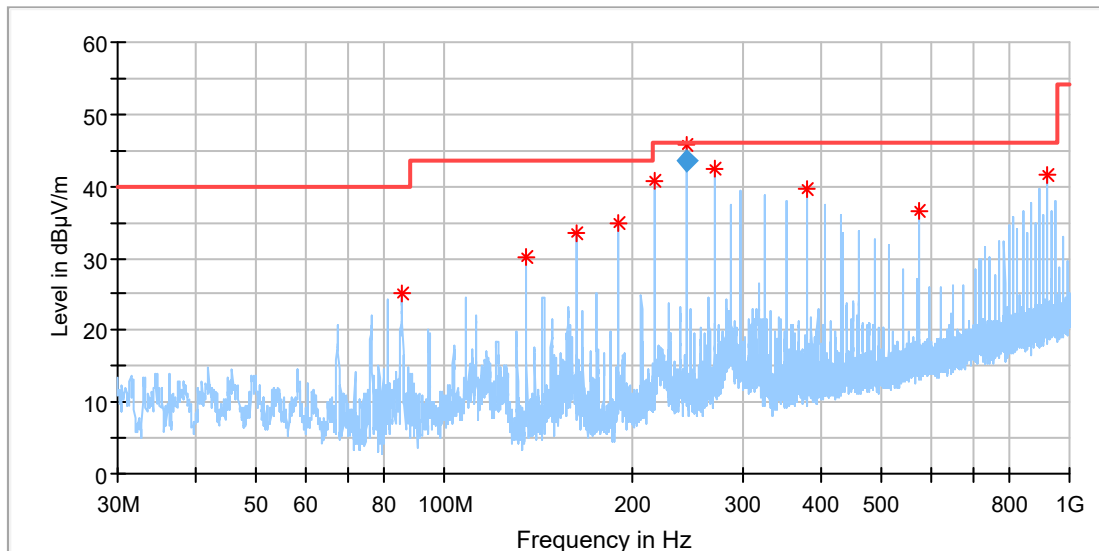
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
13.561985	45.18	124.00	78.82	100.0	Z	33.0	20.0

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Comment
93.75	100.00	100.00	0.00	0.00		0.00	0.00	

EUT Information

EUT Name: Smart lock
Model: 1507
Test Mode: 13.56MHz
Order No/Sample No: 27220691/A004206636-002
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.225
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

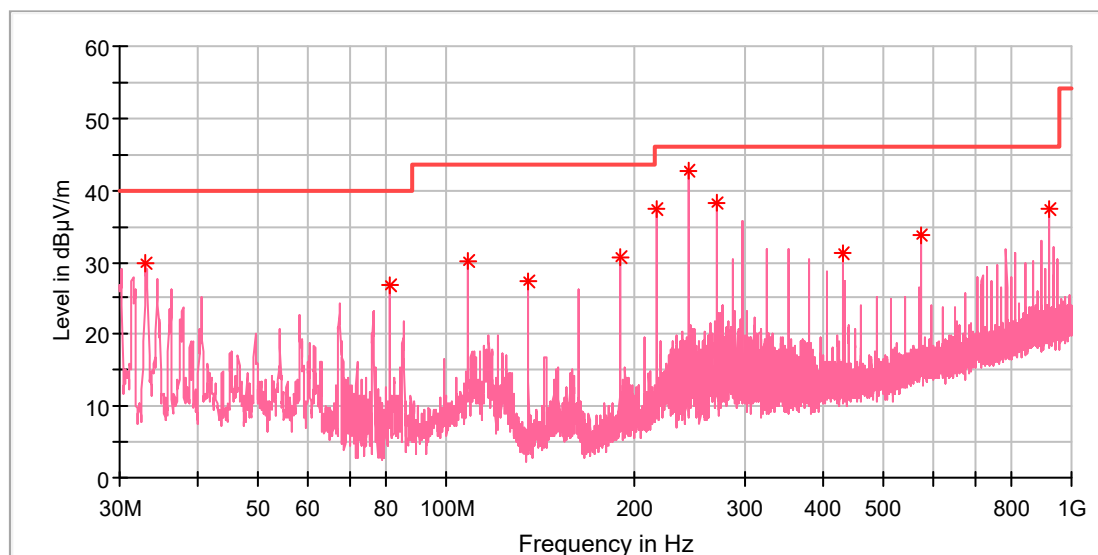
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
85.559444	25.18	40.00	14.82	100.0	H	314.0	-22.3
135.622222	30.16	43.50	13.34	100.0	H	265.0	-22.2
162.728333	33.61	43.50	9.89	100.0	H	356.0	-21.7
189.834444	34.80	43.50	8.70	100.0	H	105.0	-19.7
216.994444	40.82	46.00	5.18	100.0	H	278.0	-18.7
244.100556	45.78	46.00	0.22	100.0	H	105.0	-17.6
271.260556	42.35	46.00	3.65	100.0	H	127.0	-16.9
379.738889	39.53	46.00	6.47	100.0	H	152.0	-14.2
576.056111	36.42	46.00	9.58	100.0	H	159.0	-10.2
922.238333	41.70	46.00	4.30	100.0	H	194.0	-4.6

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
244.115945	43.59	46.00	2.41	100.0	H	104.0	-17.6

EUT Information

EUT Name: Smart lock
Model: 1507
Test Mode: 13.56MHz
Order No/Sample No: 27220691/A004206636-002
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.225
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)
33.071667	29.82	40.00	10.18	100.0	V	35.0	-22.5
81.356111	26.93	40.00	13.07	100.0	V	327.0	-23.3
108.462222	30.01	43.50	13.49	100.0	V	144.0	-19.1
135.622222	27.22	43.50	16.28	100.0	V	289.0	-22.2
189.834444	30.70	43.50	12.80	100.0	V	213.0	-19.7
216.994444	37.29	46.00	8.71	100.0	V	213.0	-18.7
244.100556	42.61	46.00	3.39	100.0	V	207.0	-17.6
271.260556	38.11	46.00	7.89	100.0	V	178.0	-16.9
432.065000	31.25	46.00	14.75	100.0	V	228.0	-13.1
576.056111	33.85	46.00	12.15	100.0	V	282.0	-10.2
922.238333	37.45	46.00	8.55	100.0	V	44.0	-4.6

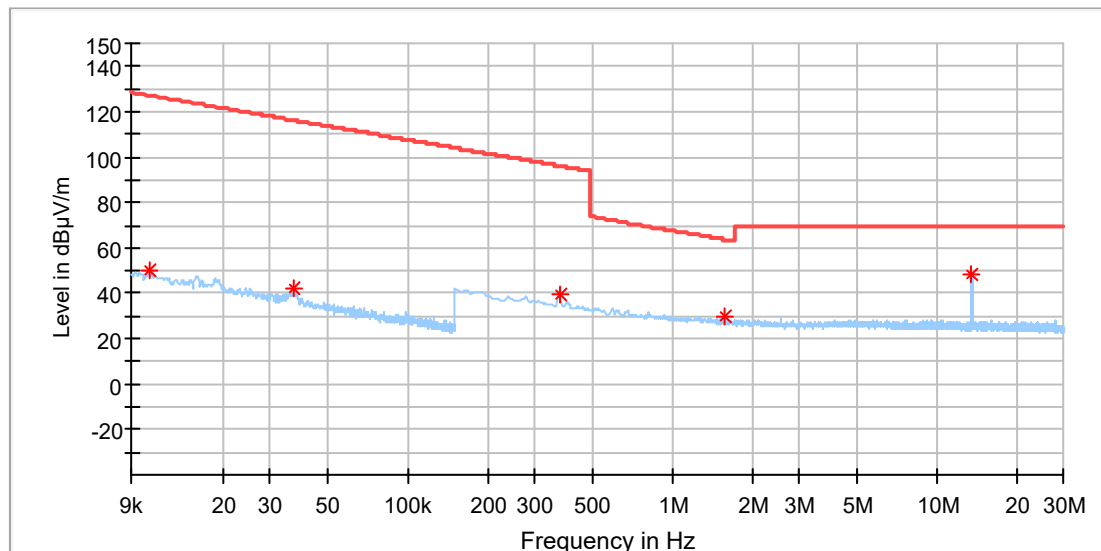
Final Result

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

EUT Information

EUT Name:	Smart lock
Model:	1507
Test Mode:	13.56MHz
Order No/Sample No:	27220691/A004206636-002
Test Voltage:	DC 12V From DC Source
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

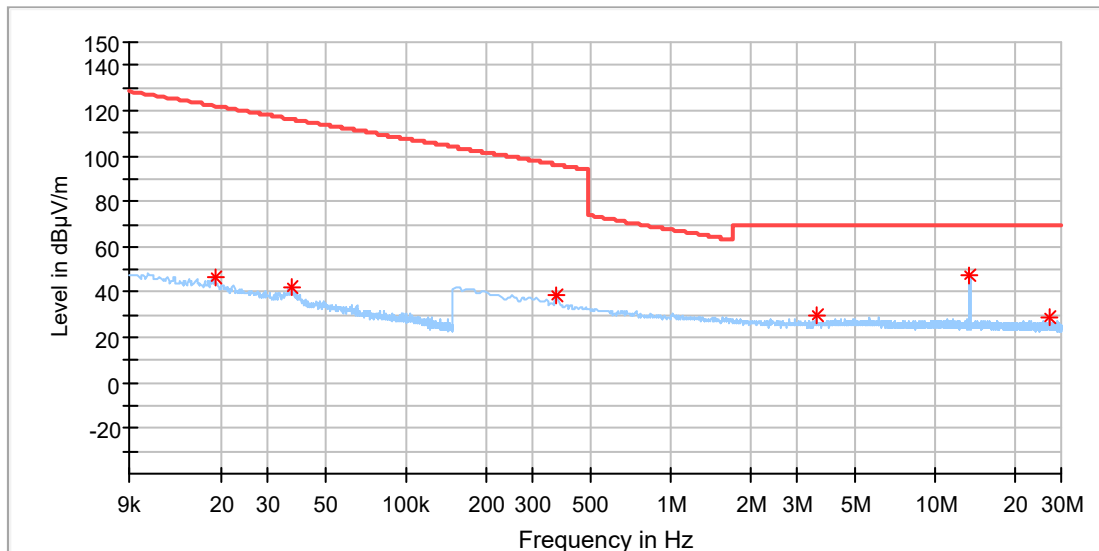
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.010511	49.87	127.15	77.28	100.0	X	173.0	19.9
0.036797	42.21	116.28	74.07	100.0	X	221.0	19.9
0.373875	39.30	96.15	56.85	100.0	X	176.0	19.9
1.563485	30.22	63.75	33.53	100.0	X	29.0	20.0
13.560552	48.35	69.50	21.15	100.0	X	276.0	20.3

Final Result

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

EUT Name: Smart lock
Model: 1507
Test Mode: 13.56MHz
Order No/Sample No: 27220691/A004206636-002
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.225
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

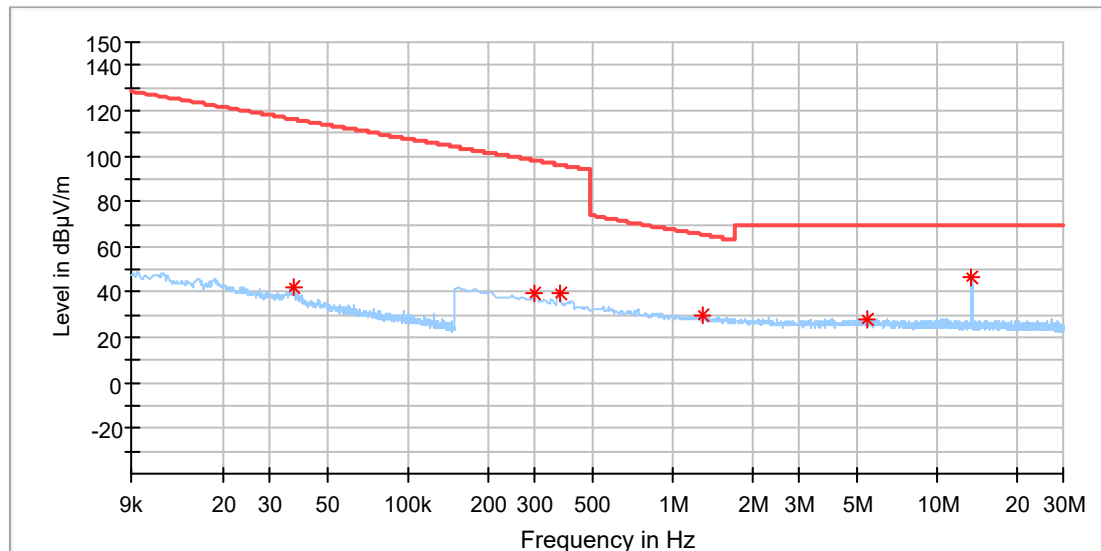
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.018971	46.32	122.03	75.70	100.0	Y	143.0	19.9
0.037200	42.55	116.18	73.63	100.0	Y	341.0	19.9
0.369485	38.68	96.25	57.57	100.0	Y	28.0	19.9
3.547632	29.54	69.50	39.96	100.0	Y	164.0	20.1
13.560552	47.08	69.50	22.42	100.0	Y	204.0	20.3
27.124743	29.19	69.50	40.31	100.0	Y	178.0	20.5

Final_Result

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

EUT Name: Smart lock
Model: 1507
Test Mode: 13.56MHz
Order No/Sample No: 27220691/A004206636-002
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.225
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

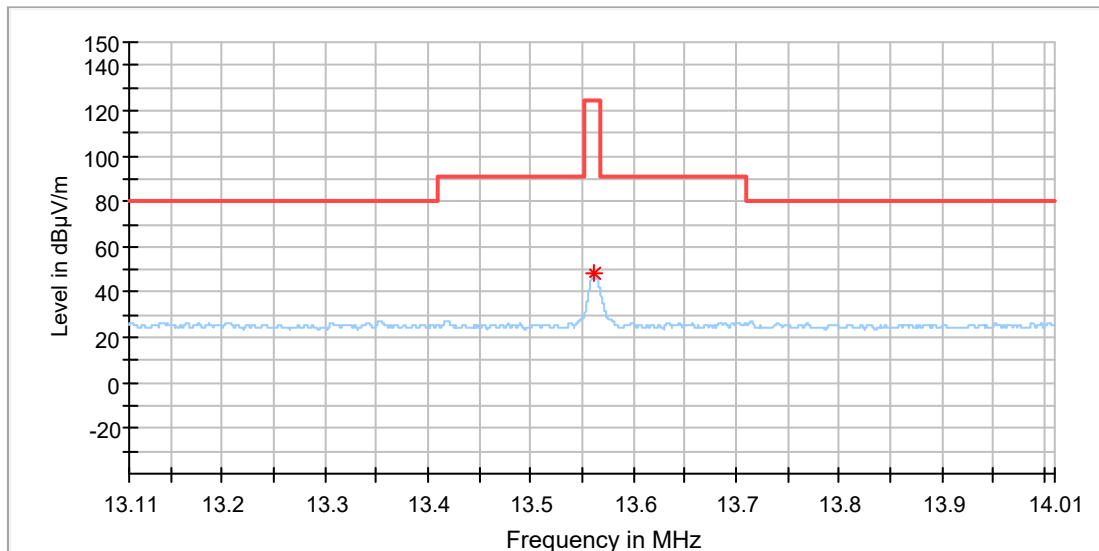
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.037200	42.30	116.18	73.88	100.0	Z	231.0	19.9
0.299250	39.50	98.08	58.58	100.0	Z	327.0	19.9
0.373875	39.64	96.15	56.51	100.0	Z	237.0	19.9
1.295713	29.86	65.38	35.51	100.0	Z	320.0	19.9
5.400088	28.35	69.50	41.15	100.0	Z	334.0	20.1
13.560552	46.77	69.50	22.73	100.0	Z	341.0	20.3

Final_Result

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

EUT Name: Smart lock
Model: 1507
Test Mode: 13.56MHz
Order No/Sample No: 27220691/A004206636-002
Test Voltage:: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.225
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

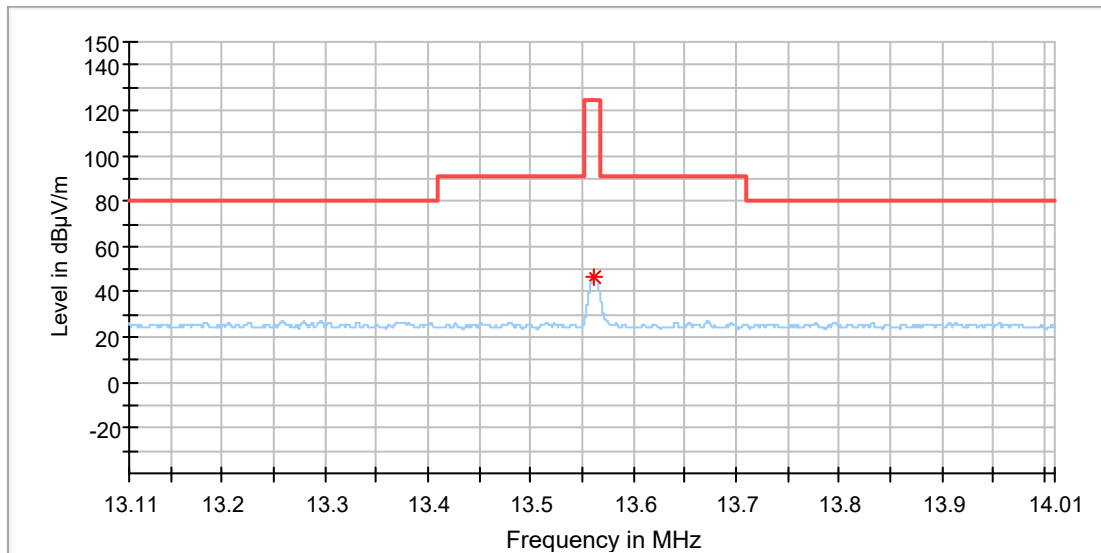
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
13.562118	48.07	124.00	75.93	100.0	X	293.0	20.0

Final Result

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

EUT Name:	Smart lock
Model:	1507
Test Mode:	13.56MHz
Order No/Sample No:	27220691/A004206636-002
Test Voltage::	DC 12V From DC Source
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

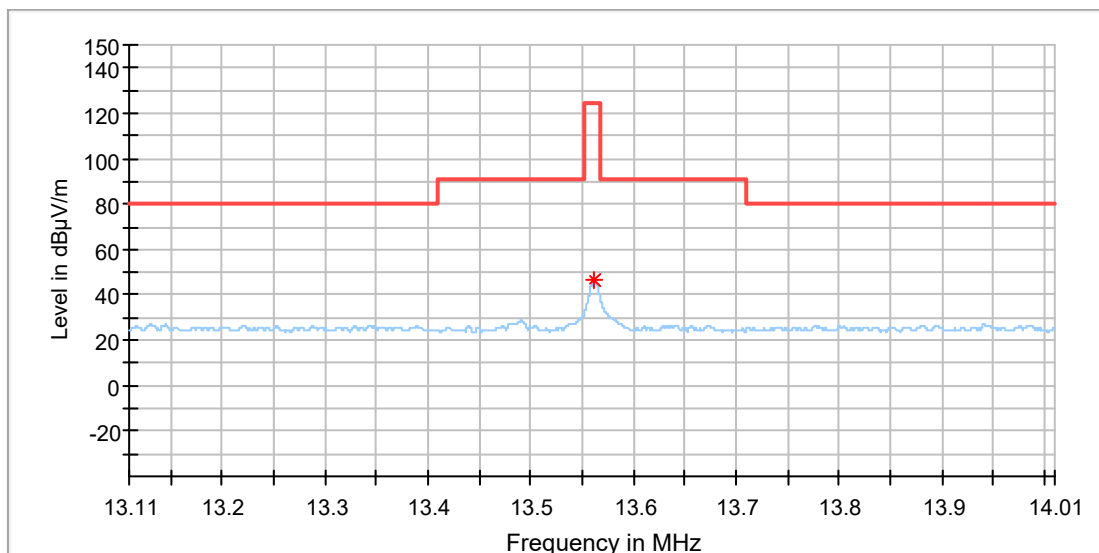
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
13.562250	46.68	124.00	77.32	100.0	Y	212.0	20.0

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Comment
93.75	100.00	100.00	0.00	0.00		0.00	0.00	

EUT Information

EUT Name: Smart lock
Model: 1507
Test Mode: 13.56MHz
Order No/Sample No: 27220691/A004206636-002
Test Voltage:: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.225
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

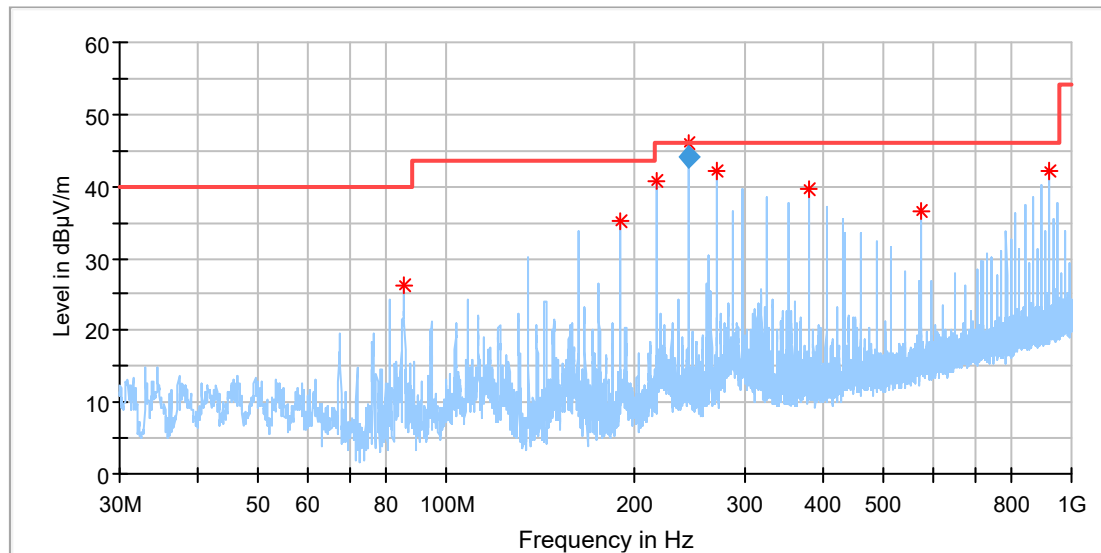
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
13.562118	46.44	124.00	77.56	100.0	Z	305.0	20.0

Final_Result

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

EUT Name: Smart lock
Model: 1507
Test Mode: 13.56MHz
Order No/Sample No: 27220691/A004206636-002
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.225
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

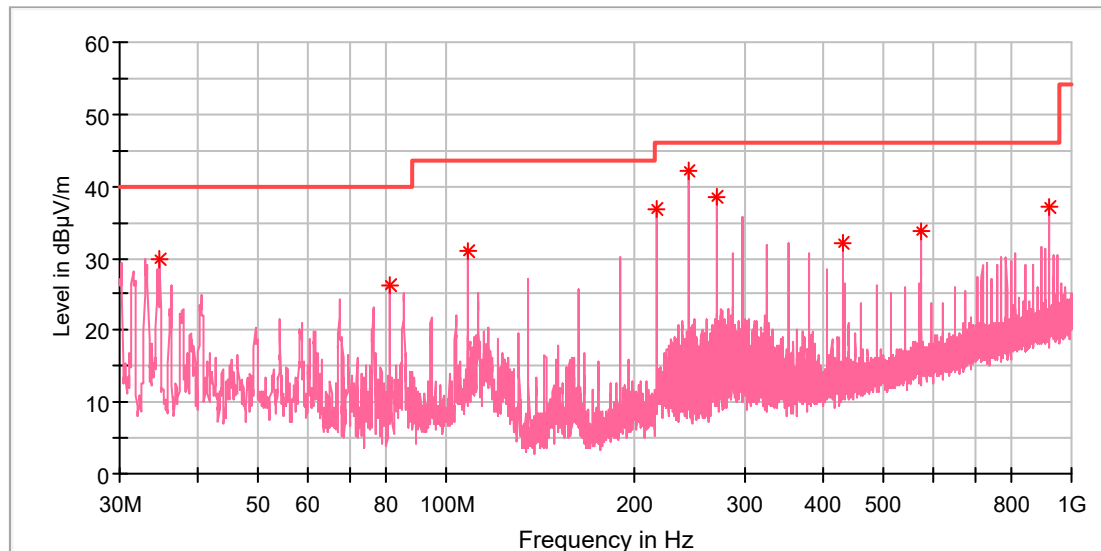
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
85.559444	26.18	40.00	13.82	100.0	H	264.0	-22.3
189.834444	35.14	43.50	8.36	100.0	H	106.0	-19.7
216.994444	40.85	46.00	5.15	100.0	H	264.0	-18.7
244.100556	46.00	46.00	0.00	100.0	H	106.0	-17.6
271.260556	42.23	46.00	3.77	100.0	H	248.0	-16.9
379.738889	39.64	46.00	6.36	100.0	H	145.0	-14.2
576.056111	36.44	46.00	9.56	100.0	H	160.0	-10.2
922.238333	42.05	46.00	3.95	100.0	H	197.0	-4.6

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
244.120556	43.98	46.00	2.02	100.0	H	111.0	-17.6

EUT Information

EUT Name: Smart lock
Model: 1507
Test Mode: 13.56MHz
Order No/Sample No: 27220691/A004206636-002
Test Voltage: DC 12V From DC Source
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.225
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)
34.796111	29.97	40.00	10.03	100.0	V	185.0	-22.0
81.356111	26.34	40.00	13.66	100.0	V	324.0	-23.3
108.516111	31.02	43.50	12.48	100.0	V	160.0	-19.1
216.994444	36.82	46.00	9.18	100.0	V	215.0	-18.7
244.100556	42.22	46.00	3.78	100.0	V	209.0	-17.6
271.260556	38.55	46.00	7.45	100.0	V	185.0	-16.9
432.011111	32.14	46.00	13.86	100.0	V	308.0	-13.1
576.056111	33.90	46.00	12.10	100.0	V	275.0	-10.2
922.238333	37.01	46.00	8.99	100.0	V	245.0	-4.6

Final_Result

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