

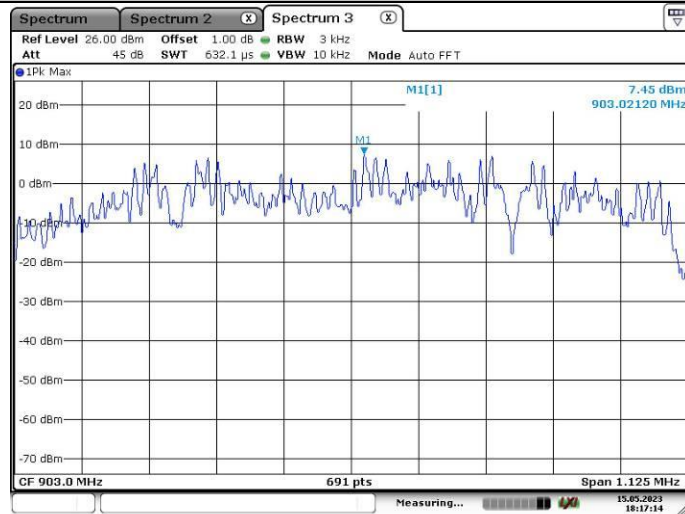
Appendix A: Test Results

APPENDIX A: TEST RESULTS	1
APPENDIX A.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
APPENDIX A.2: TEST RESULTS OF 6dB BANDWIDTH	4
APPENDIX A.3: TEST RESULTS OF 99% BANDWIDTH.....	6
APPENDIX A.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH	8
<i>Band Edge</i>	8
<i>Conducted Spurious Emission</i>	9
APPENDIX A.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	13
30MHz - 1GHz (Worst case).....	13
30MHz - 1GHz (Worst case).....	31

Appendix A.1: Test Results of Conducted Power Spectral Density

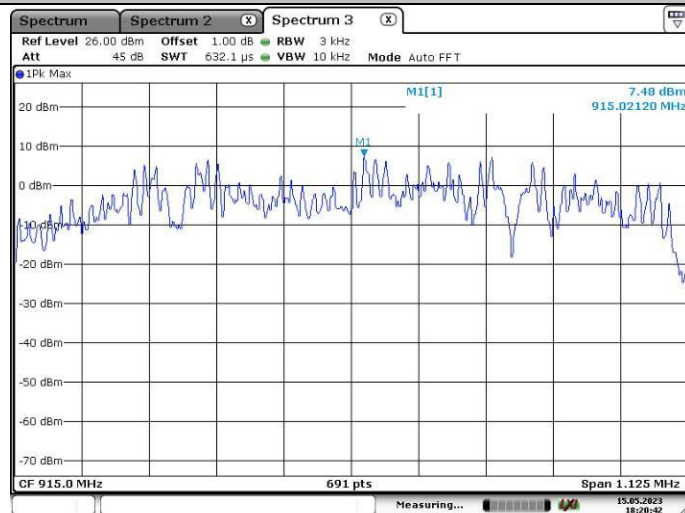
Channel	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
Low	903	7.45	≤8.00	PASS
Middle	915	7.48	≤8.00	PASS
High	927	7.44	≤8.00	PASS

LOW



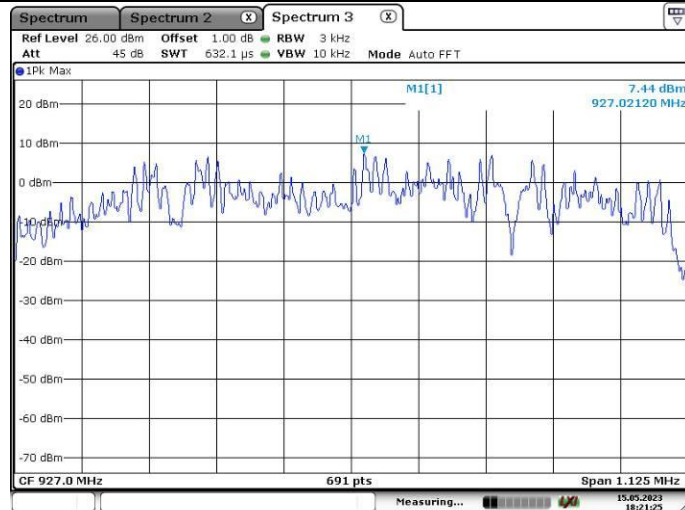
Date: 15.MAY.2023 18:17:14

Middle



Date: 15.MAY.2023 18:20:42

High

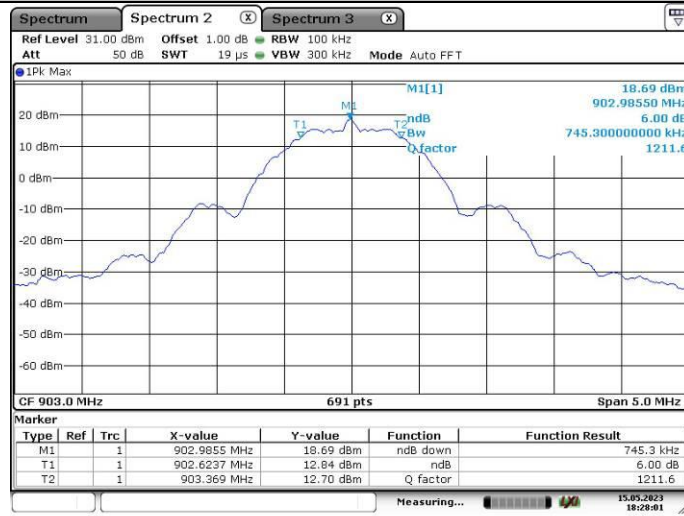


Date: 15.MAY.2023 18:21:25

Appendix A.2: Test Results of 6dB Bandwidth

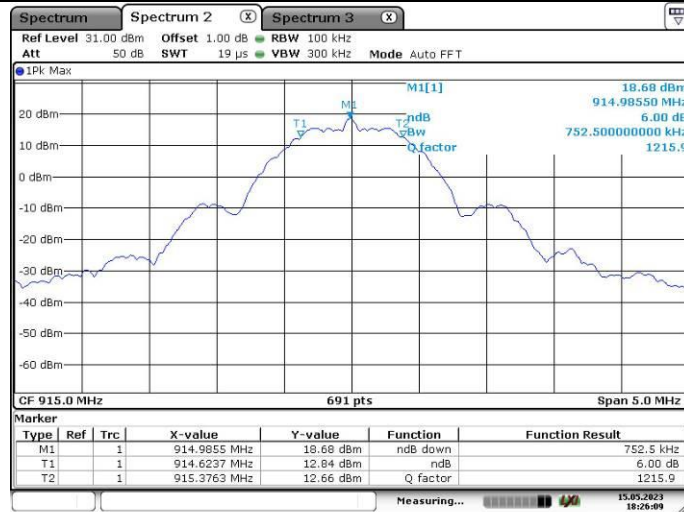
Channel	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Low	903	0.7453	902.6237	903.3690	0.5	PASS
Middle	915	0.7525	914.6237	915.3763	0.5	PASS
High	927	0.7598	926.6165	927.3763	0.5	PASS

Low



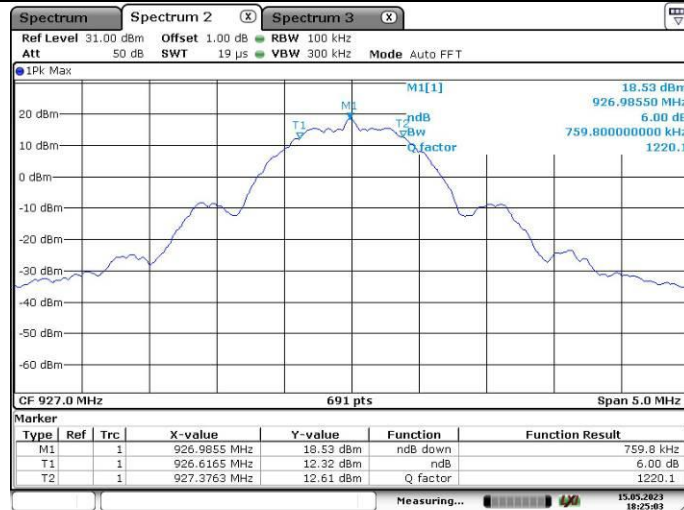
Date: 15.MAY.2023 18:28:01

Middle



Date: 15.MAY.2023 18:26:09

High

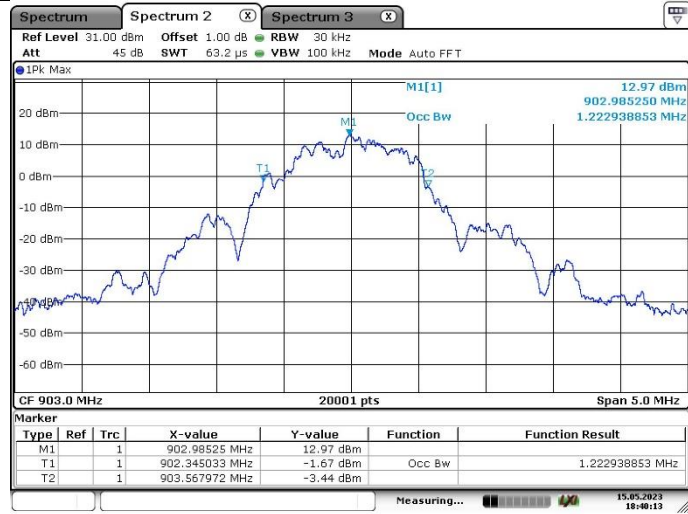


Date: 15.MAY.2023 18:25:03

Appendix A.3: Test Results of 99% Bandwidth

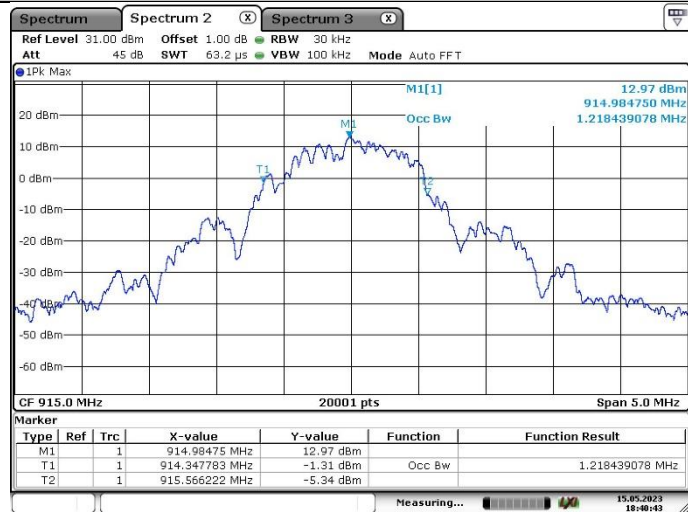
Channel	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Low	903	1.2229	902.3450	903.5680	---	PASS
Middle	915	1.2184	914.3479	915.5662	---	PASS
High	927	1.2657	926.3430	927.6087	---	PASS

LOW



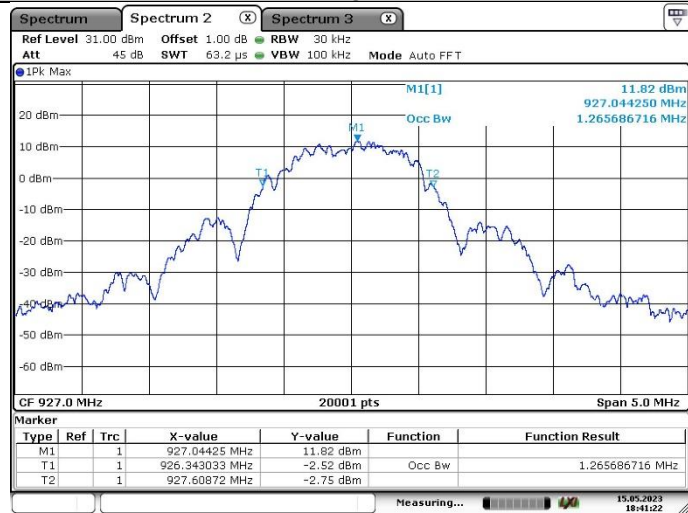
Date: 15.MAY.2023 16:40:13

Middle



Date: 15.MAY.2023 16:40:43

High



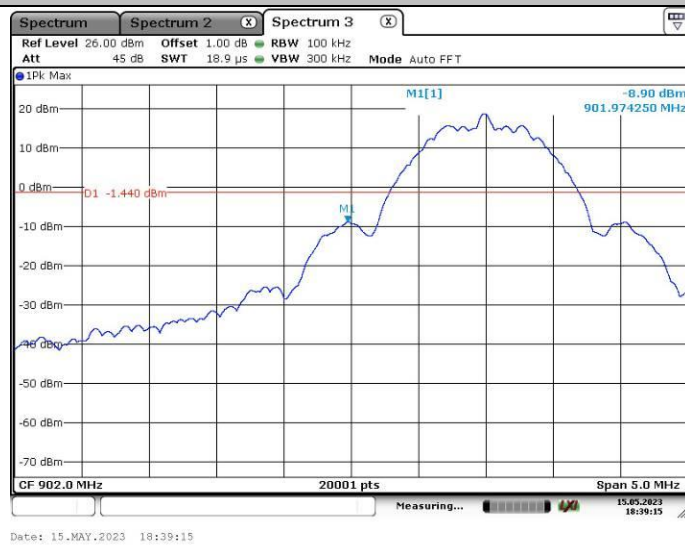
Date: 15.MAY.2023 16:41:22

Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

Channel	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
Low	903	18.56	-8.90	≤-1.440	PASS
High	927	18.66	-9.80	≤-1.340	PASS

LOW



High

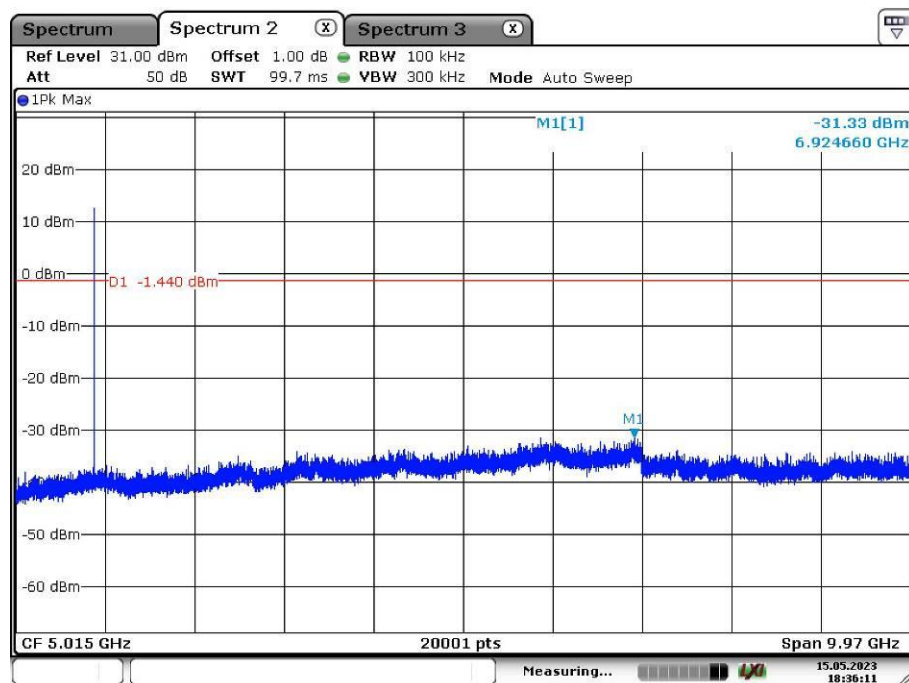


Conducted Spurious Emission

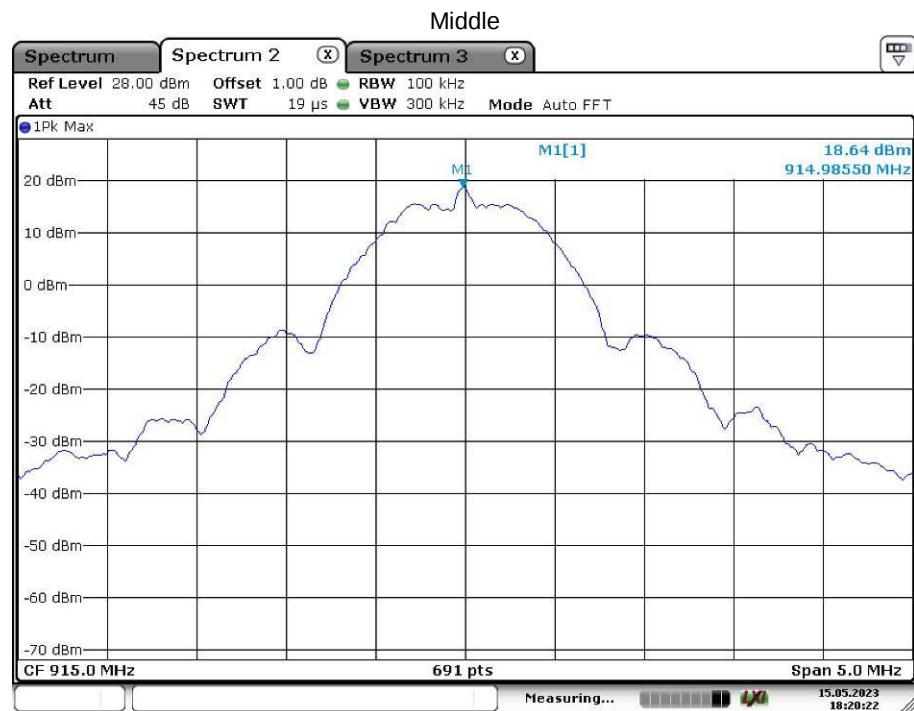
Channel	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
Low	903	Reference	18.56	18.56	---	PASS
		30~10000	18.56	-31.33	≤-1.440	PASS
Middle	915	Reference	18.64	18.64	---	PASS
		30~10000	18.64	-30.72	≤-1.360	PASS
High	927	Reference	18.66	18.66	---	PASS
		30~10000	18.66	-30.73	≤-1.340	PASS



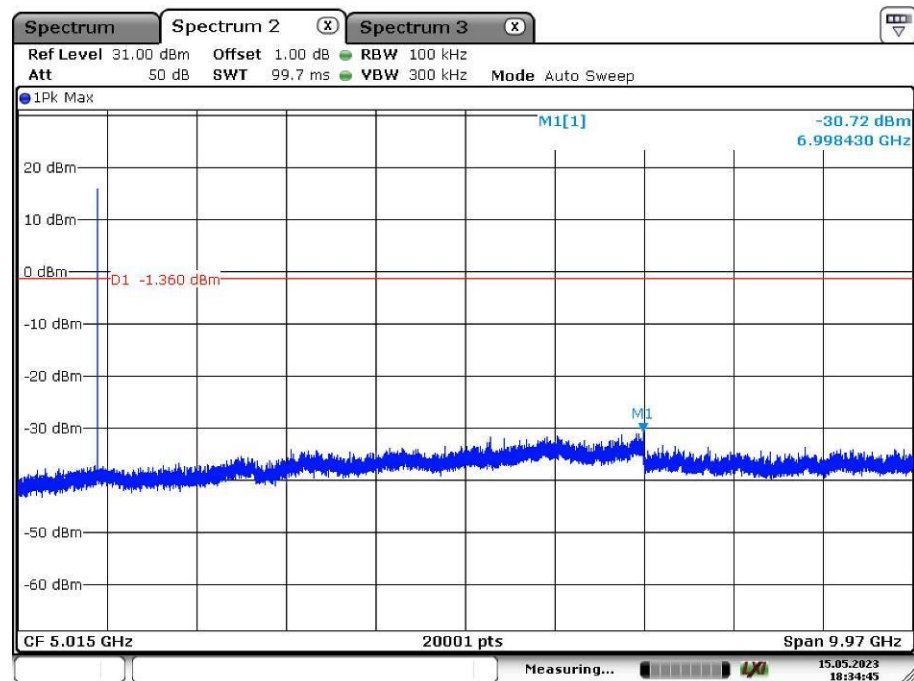
Date: 15.MAY.2023 18:17:48



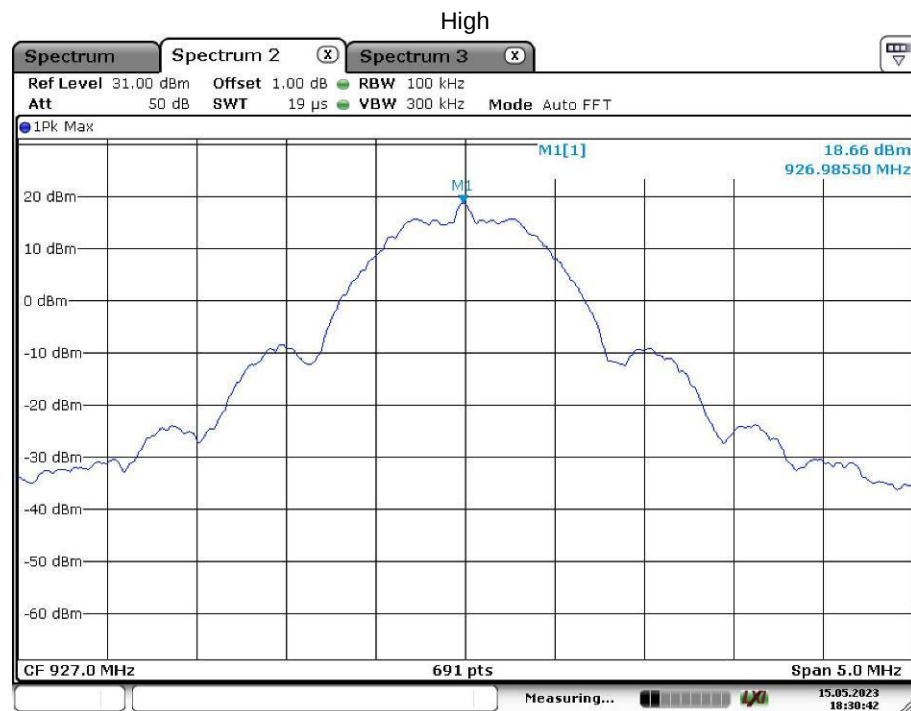
Date: 15.MAY.2023 18:36:11



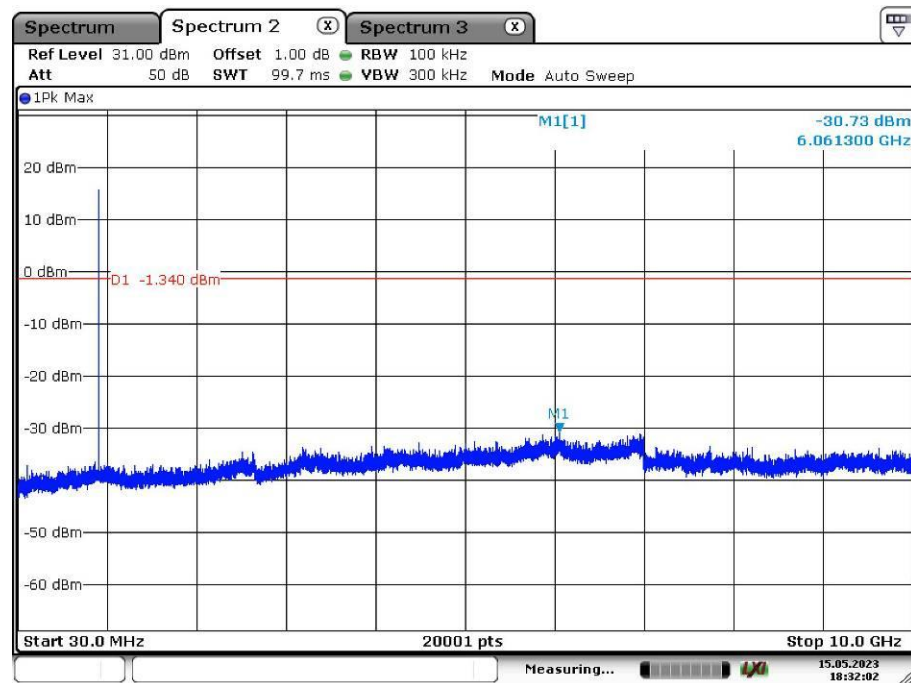
Date: 15.MAY.2023 18:20:22



Date: 15.MAY.2023 18:34:45



Date: 15.MAY.2023 18:30:42



Date: 15.MAY.2023 18:32:02

Appendix A.5: Test Results of Radiated Spurious Emissions

Note: 1. Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and above 10GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 10GHz were reported. 2. This testing was carried out on different modulations, but only the worst case was presented in this report.

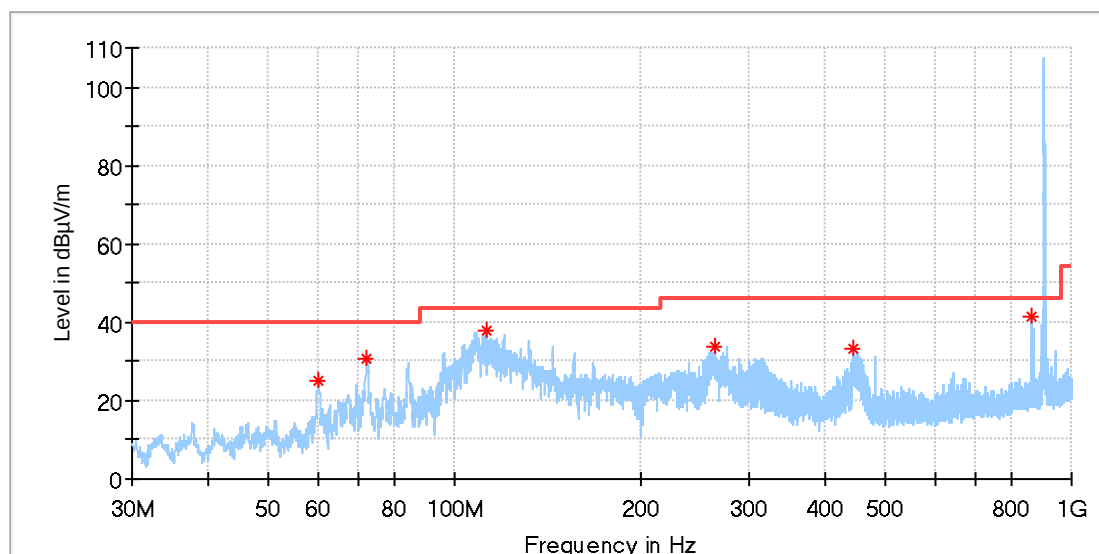
For Robotic Lawn Mower ANT

30MHz - 1GHz (Worst case)

Note: The highest waveform in the figure is Fundamental.

EUT Information

EUT Name:	915MHz_module
Model:	TB89W01
Test Mode:	903MHz
Order No/Sample No:	168417780/A003449295-013
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:53%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

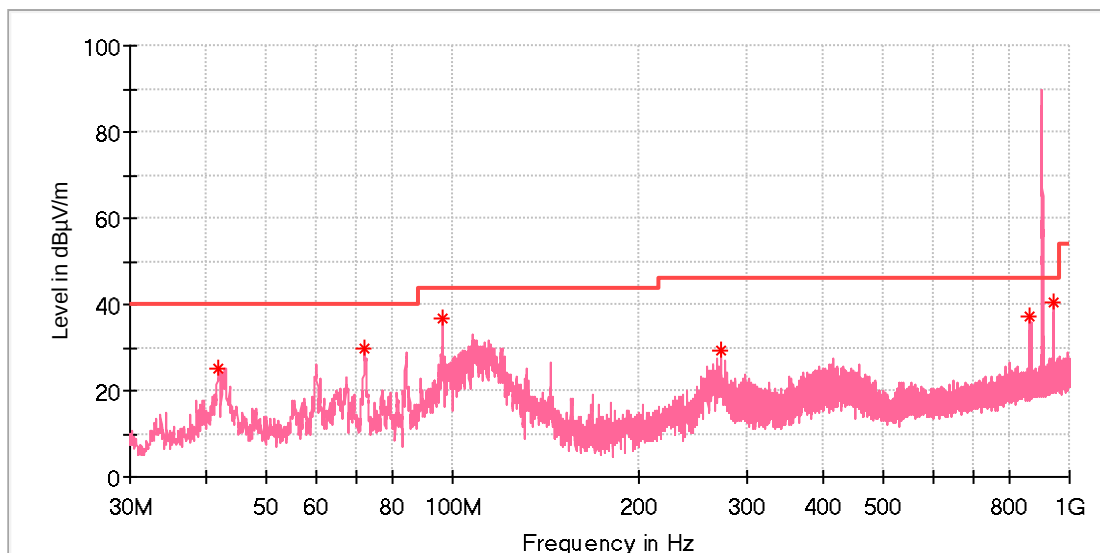
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
60.070000	25.30	40.00	14.70	100.0	H	345.0	-19.3
72.008462	30.71	40.00	9.30	100.0	H	316.0	-22.8
112.860385	37.81	43.50	5.69	100.0	H	345.0	-19.8
263.919231	33.52	46.00	12.48	100.0	H	327.0	-17.4
444.078077	33.30	46.00	12.70	100.0	H	156.0	-13.4
863.416539	41.33	46.00	4.67	100.0	H	0.0	-5.7

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 903MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

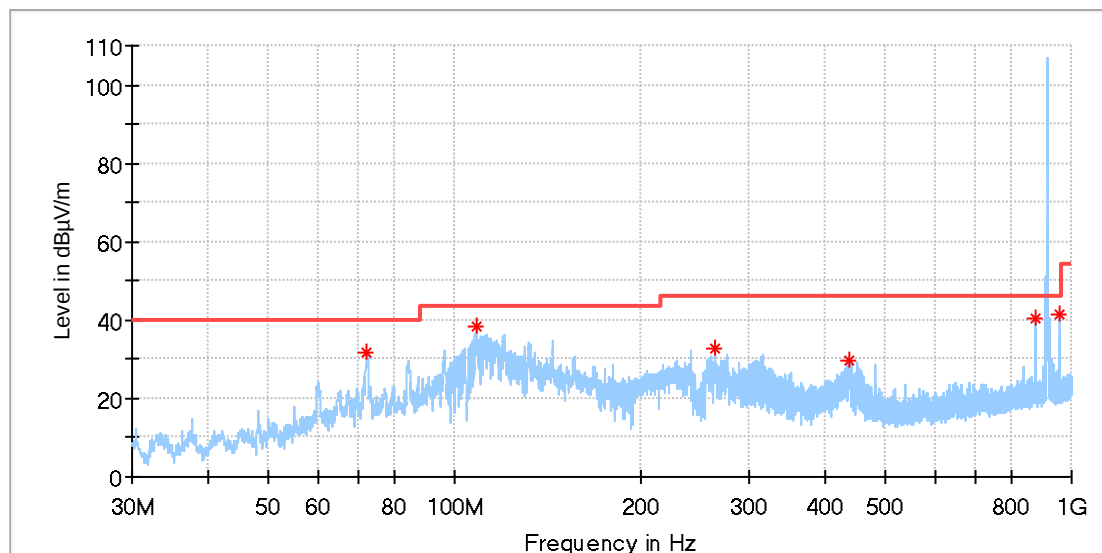
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.826539	25.00	40.00	15.00	100.0	V	357.0	-19.9
72.045769	29.58	40.00	10.42	100.0	V	242.0	-22.8
96.109231	36.81	43.50	6.69	100.0	V	209.0	-19.9
272.910385	29.31	46.00	16.69	100.0	V	357.0	-17.2
863.491154	37.37	46.00	8.63	100.0	V	100.0	-5.7
941.464231	40.58	46.00	5.42	100.0	V	299.0	-5.0

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 915MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

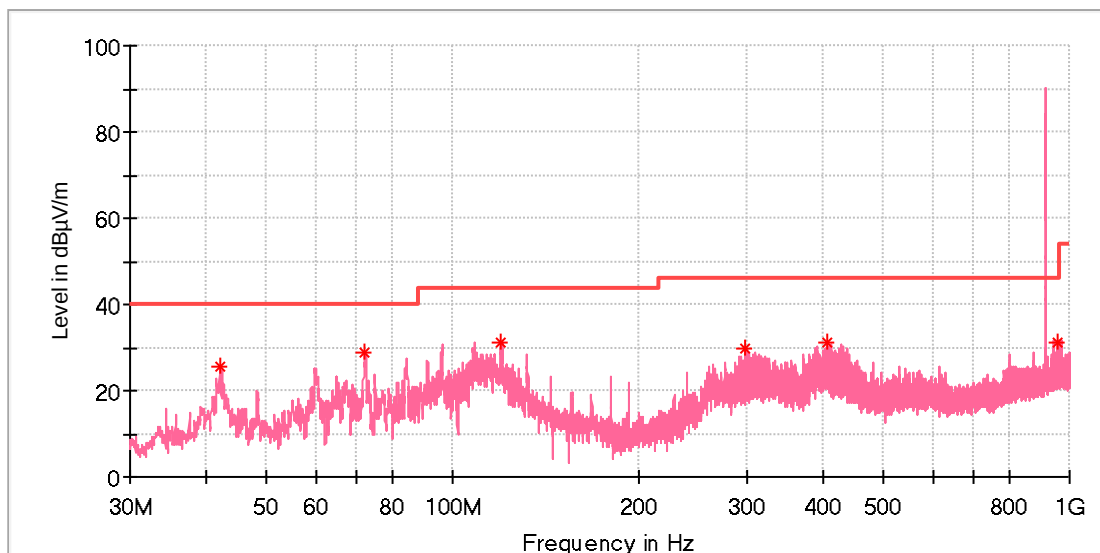
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
72.157692	31.47	40.00	8.53	100.0	H	346.0	-22.8
108.644615	38.37	43.50	5.13	100.0	H	0.0	-19.3
264.217692	32.66	46.00	13.34	100.0	H	188.0	-17.4
436.056923	29.89	46.00	16.11	100.0	H	255.0	-13.5
875.466923	40.46	46.00	5.54	100.0	H	0.0	-5.6
953.402692	41.57	46.00	4.43	100.0	H	83.0	-4.8

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 915MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

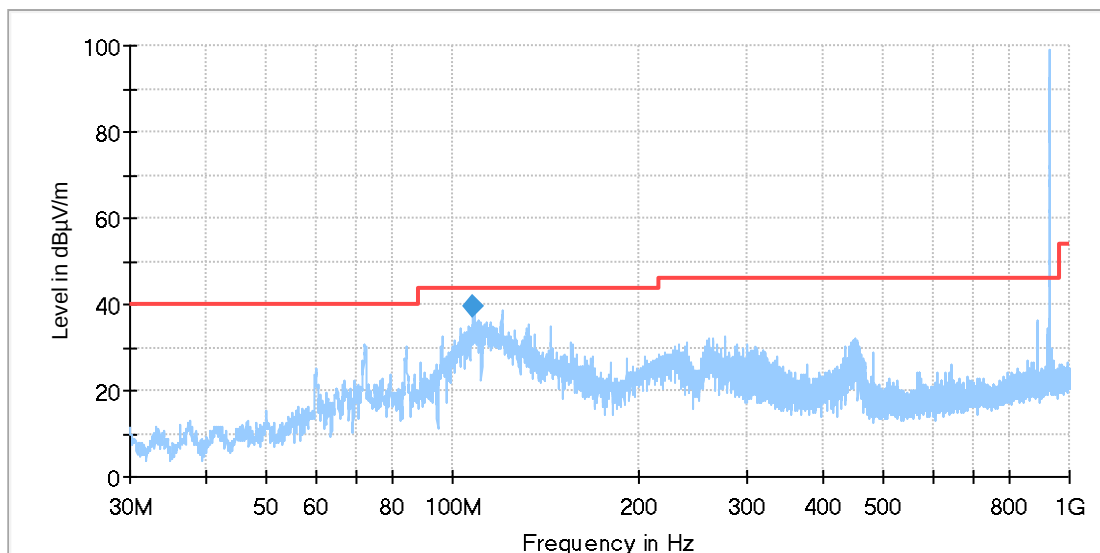
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.938462	25.62	40.00	14.38	100.0	V	101.0	-19.9
72.157692	28.94	40.00	11.06	100.0	V	283.0	-22.8
120.060769	31.39	43.50	12.11	100.0	V	309.0	-21.1
297.048462	29.94	46.00	16.06	100.0	V	291.0	-16.7
403.300769	31.16	46.00	14.84	100.0	V	291.0	-14.0
954.596539	31.35	46.00	14.65	100.0	V	125.0	-4.8

Final Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 927MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

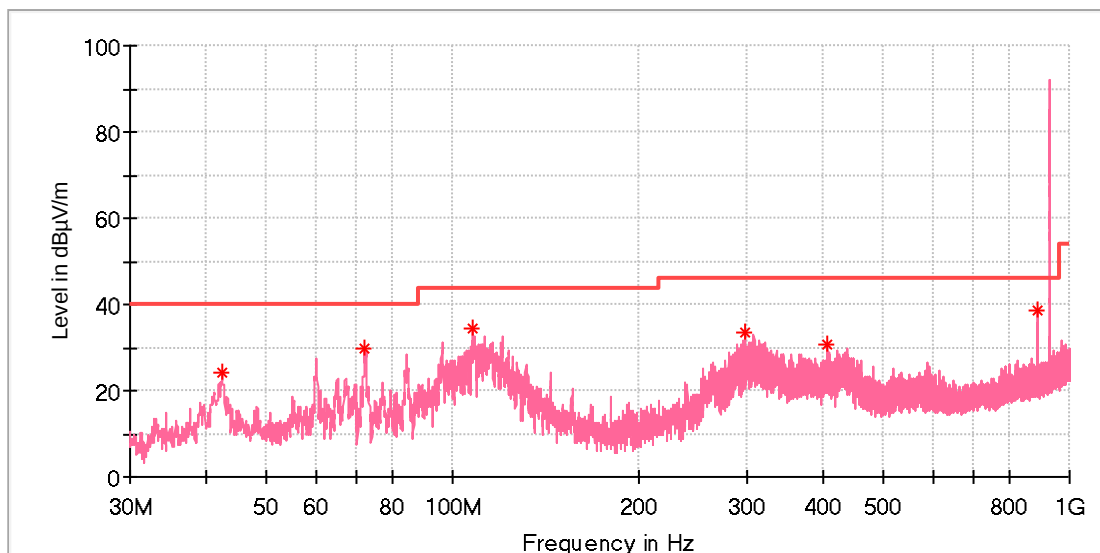
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
72.045769	30.86	40.00	9.14	100.0	H	354.0	-22.8
260.971923	32.18	46.00	13.82	100.0	H	215.0	-17.4
448.219231	32.16	46.00	13.84	100.0	H	159.0	-13.3
887.368077	36.27	46.00	9.73	100.0	H	124.0	-5.5

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
108.041038	39.46	43.50	4.04	105.0	H	345.0	-19.3

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 927MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 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)
42.274231	24.07	40.00	15.93	100.0	V	176.0	-19.8
71.971154	29.84	40.00	10.16	100.0	V	274.0	-22.7
108.010385	34.57	43.50	8.93	100.0	V	282.0	-19.3
298.279615	33.41	46.00	12.59	100.0	V	291.0	-16.7
404.420000	30.83	46.00	15.17	100.0	V	325.0	-14.0
888.524615	38.41	46.00	7.60	100.0	V	248.0	-5.5

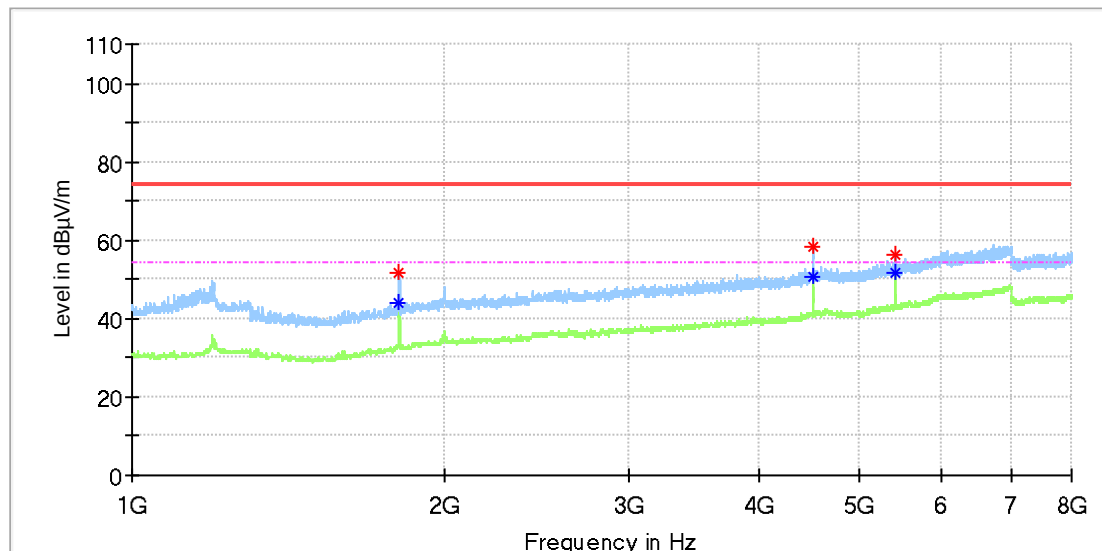
Final Result

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

Above 1GHz (Worst case)

EUT Information

EUT Name:	915MHz_module
Model:	TB89W01
Test Mode:	903MHz
Order No/Sample No:	168417780/A003449295-013
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:53%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

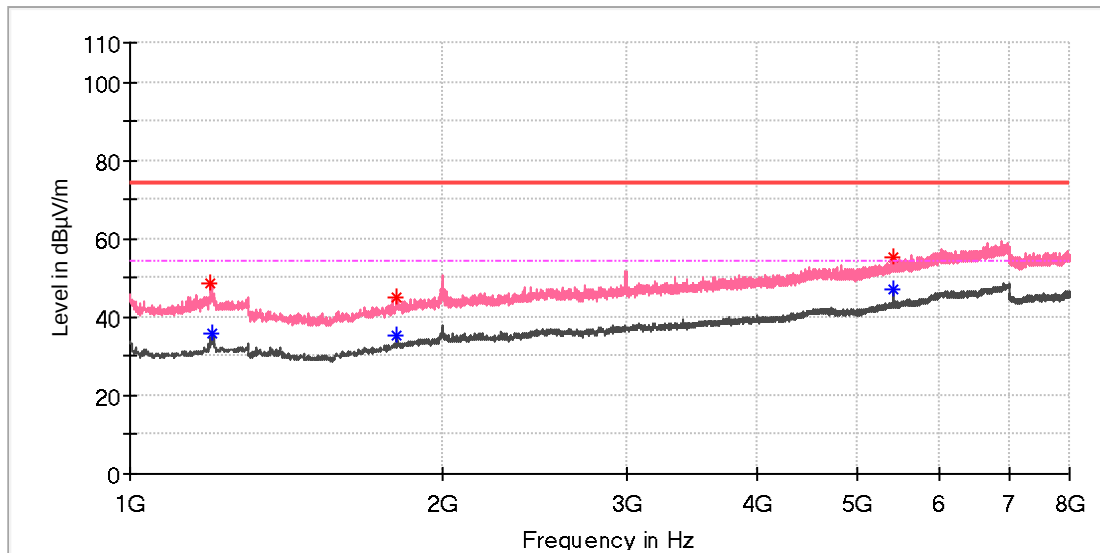
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1805.012500	51.86	---	74.00	22.14	100.0	H	341.0	4.8
1805.012500	---	43.87	54.00	10.13	100.0	H	341.0	4.8
4511.812500	---	50.77	54.00	3.23	100.0	H	243.0	11.6
4511.812500	58.17	---	74.00	15.83	100.0	H	243.0	11.6
5423.850000	56.19	---	74.00	17.81	100.0	H	57.0	13.5
5423.850000	---	51.84	54.00	2.16	100.0	H	57.0	13.5

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 903MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

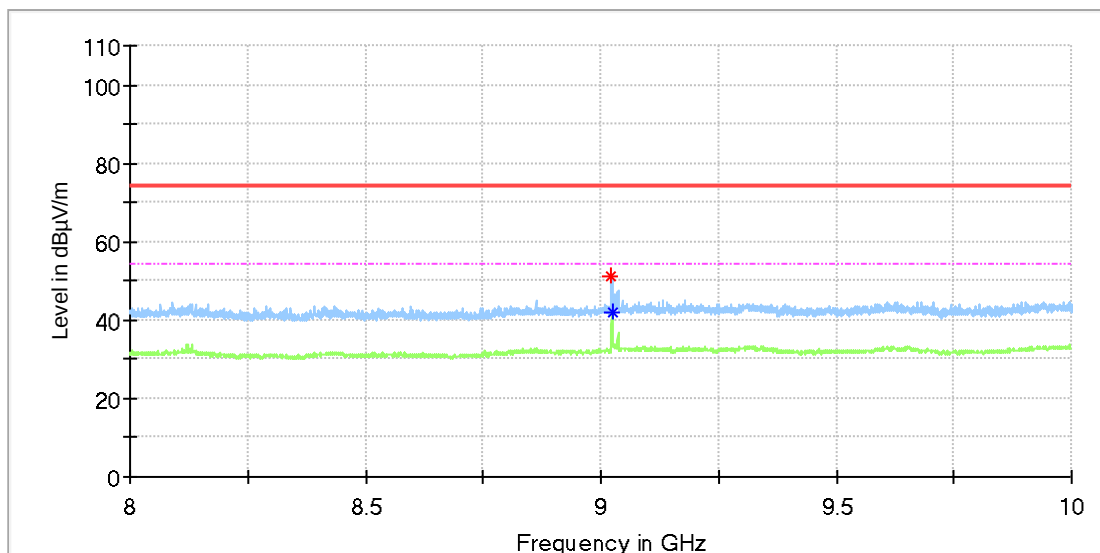
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1196.500000	48.58	---	74.00	25.42	100.0	V	306.0	1.1
1197.500000	---	35.97	54.00	18.03	100.0	V	301.0	1.1
1804.175000	44.88	---	74.00	29.12	100.0	V	242.0	4.7
1805.012500	---	35.54	54.00	18.46	100.0	V	242.0	4.8
5423.850000	55.07	---	74.00	18.93	100.0	V	145.0	13.5
5423.850000	---	47.03	54.00	6.97	100.0	V	145.0	13.5

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 903MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

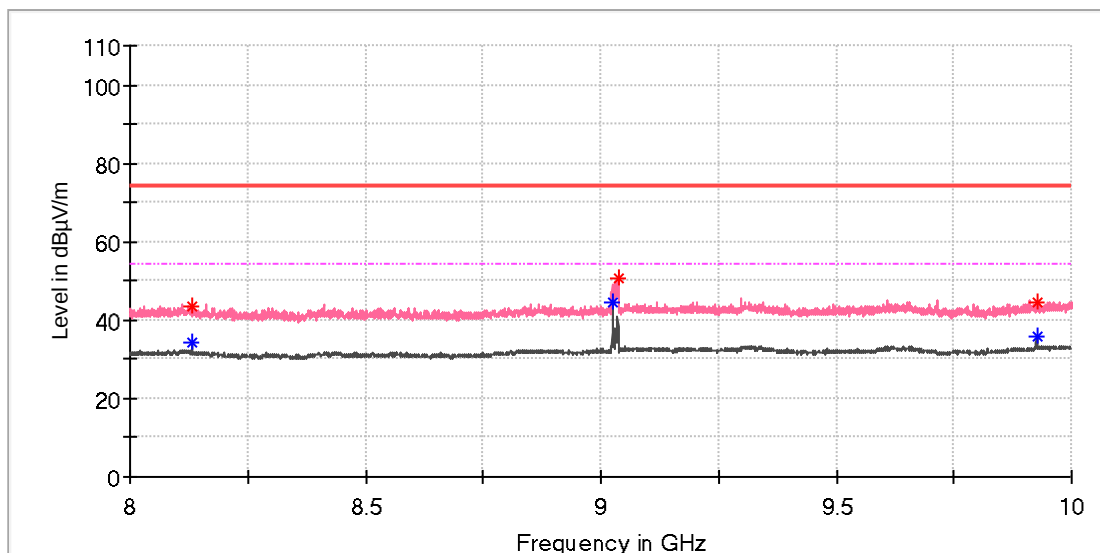
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9023.000000	51.13	---	74.00	22.87	100.0	H	30.0	9.5
9023.500000	---	41.96	54.00	12.04	100.0	H	30.0	9.5

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 903MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

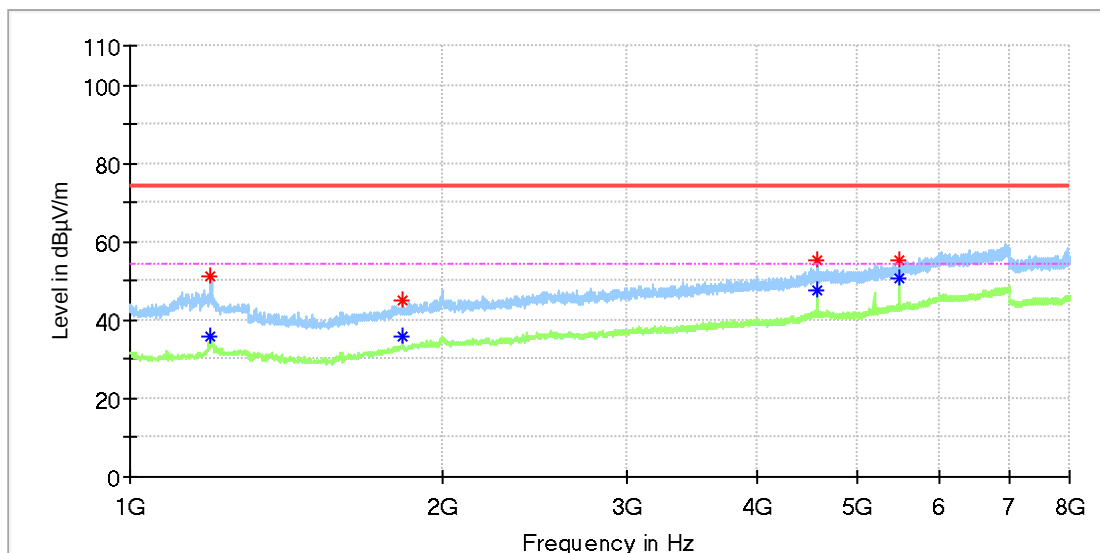
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8132.500000	43.45	---	74.00	30.55	100.0	V	289.0	9.0
8132.500000	---	34.44	54.00	19.56	100.0	V	289.0	9.0
9024.000000	---	44.28	54.00	9.72	100.0	V	354.0	9.5
9037.000000	50.90	---	74.00	23.10	100.0	V	172.0	9.6
9926.000000	---	35.65	54.00	18.35	100.0	V	15.0	10.8
9927.000000	44.57	---	74.00	29.43	100.0	V	106.0	10.8

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 915MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

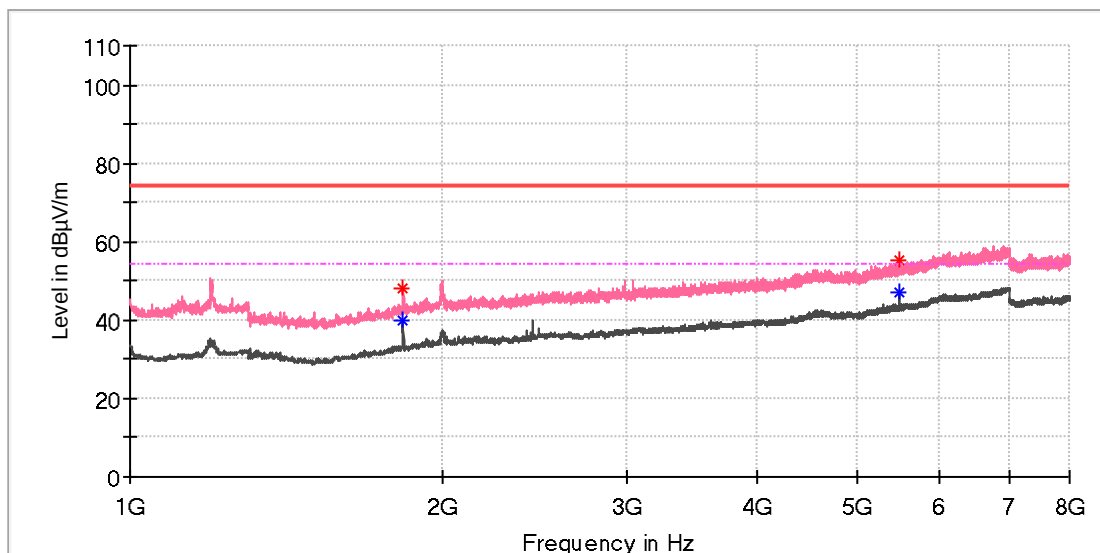
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1195.000000	50.96	---	74.00	23.04	100.0	H	234.0	1.1
1195.500000	---	35.94	54.00	18.06	100.0	H	234.0	1.1
1828.462500	---	35.91	54.00	18.09	100.0	H	325.0	4.9
1830.137500	45.08	---	74.00	28.92	100.0	H	325.0	4.9
4572.112500	55.50	---	74.00	18.50	100.0	H	359.0	12.0
4572.112500	---	47.45	54.00	6.55	100.0	H	359.0	12.0
5495.875000	55.40	---	74.00	18.60	100.0	H	136.0	13.7
5495.875000	---	50.58	54.00	3.42	100.0	H	136.0	13.7

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 915MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

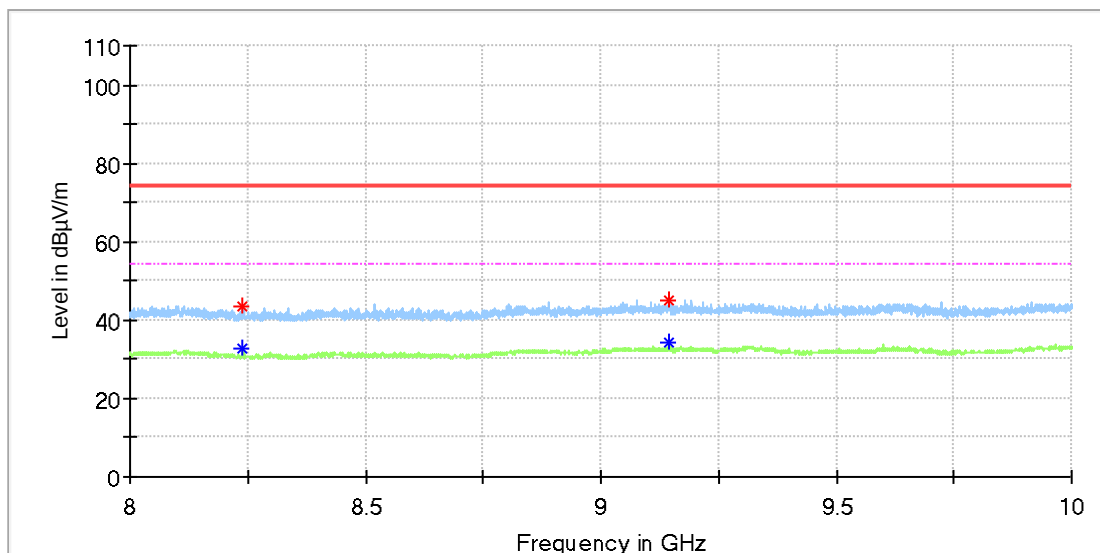
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1828.462500	47.85	---	74.00	26.15	100.0	V	301.0	4.9
1828.462500	---	39.66	54.00	14.34	100.0	V	301.0	4.9
5495.875000	55.30	---	74.00	18.70	100.0	V	96.0	13.7
5495.875000	---	46.93	54.00	7.07	100.0	V	96.0	13.7

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 915MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

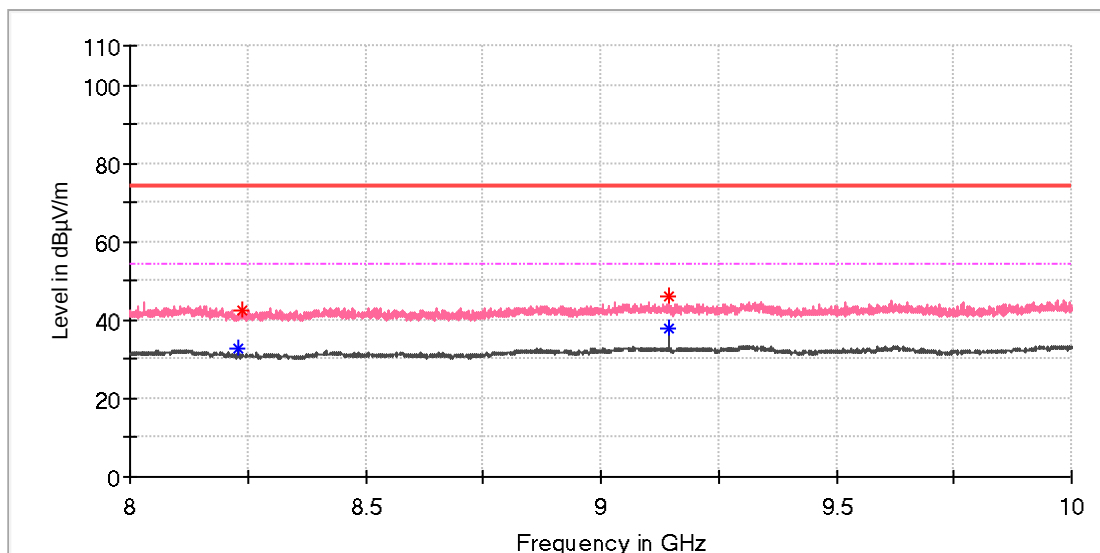
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8240.000000	43.71	---	74.00	30.29	100.0	H	141.0	8.8
8240.000000	---	32.56	54.00	21.44	100.0	H	141.0	8.8
9143.500000	45.22	---	74.00	28.78	100.0	H	0.0	10.4
9144.000000	---	34.45	54.00	19.55	100.0	H	0.0	10.4

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 915MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

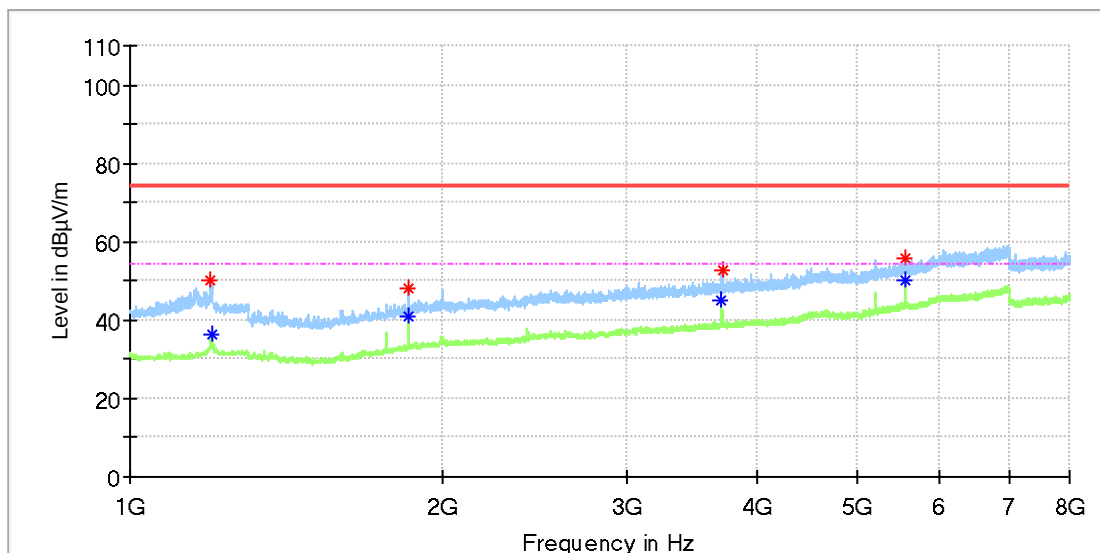
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8229.500000	---	32.88	54.00	21.12	100.0	V	106.0	8.8
8240.000000	42.52	---	74.00	31.48	100.0	V	229.0	8.8
9144.000000	45.80	---	74.00	28.20	100.0	V	254.0	10.4
9144.000000	---	37.75	54.00	16.25	100.0	V	254.0	10.4

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 927MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

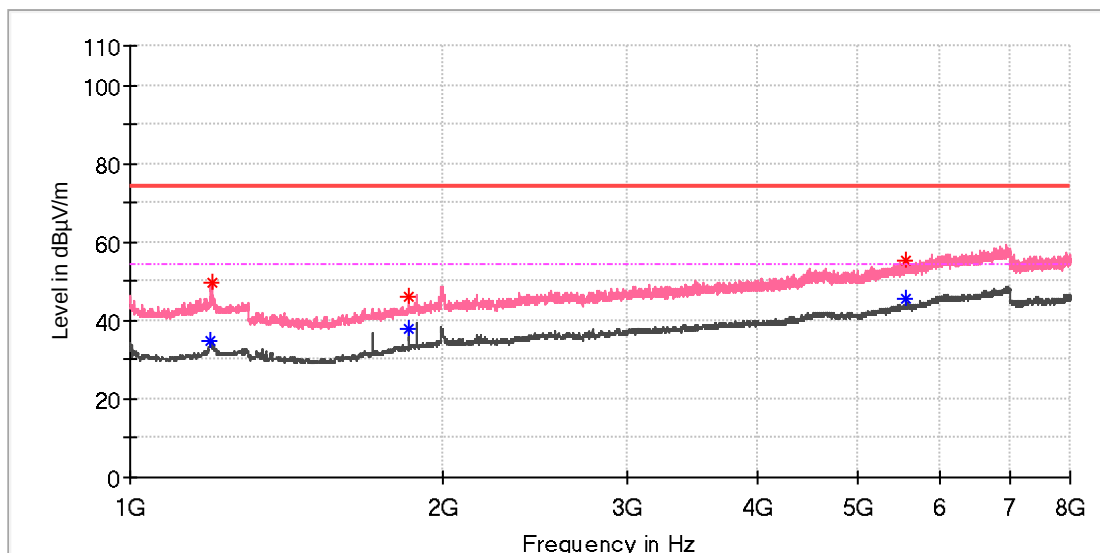
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1196.500000	50.30	---	74.00	23.70	100.0	H	166.0	1.1
1198.000000	---	36.21	54.00	17.79	100.0	H	166.0	1.1
1851.912500	48.06	---	74.00	25.94	100.0	H	261.0	5.0
1852.750000	---	40.73	54.00	13.27	100.0	H	98.0	5.0
3705.300000	---	44.86	54.00	9.14	100.0	H	61.0	9.6
3710.325000	52.65	---	74.00	21.35	100.0	H	146.0	9.6
5567.900000	55.95	---	74.00	18.05	100.0	H	128.0	13.8
5567.900000	---	50.04	54.00	3.96	100.0	H	128.0	13.8

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 927MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

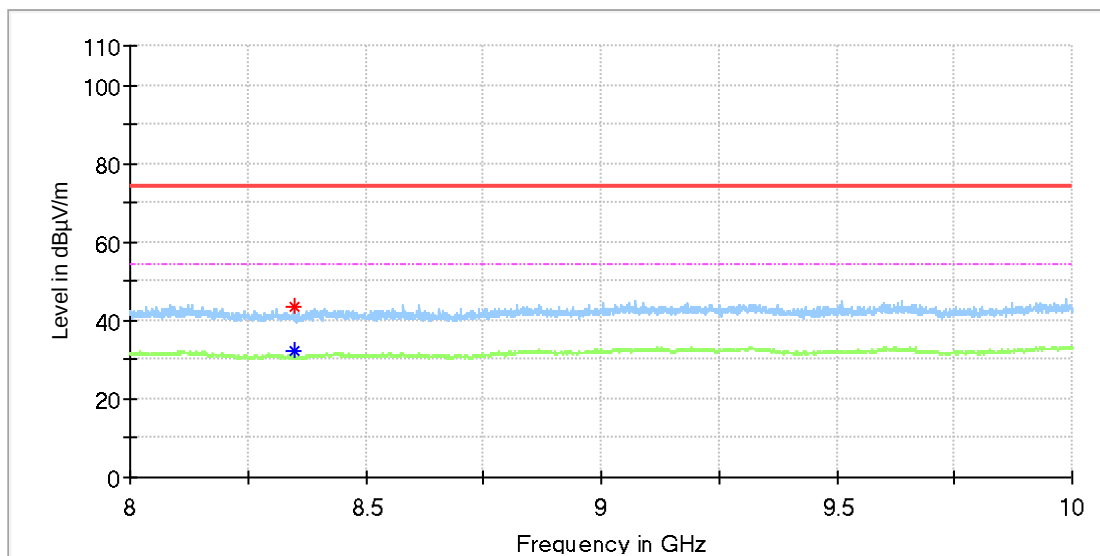
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1196.500000	---	34.71	54.00	19.29	100.0	V	334.0	1.1
1199.000000	49.38	---	74.00	24.62	100.0	V	308.0	1.1
1851.912500	45.96	---	74.00	28.04	100.0	V	268.0	5.0
1852.750000	---	37.89	54.00	16.11	100.0	V	268.0	5.0
5567.900000	55.10	---	74.00	18.90	100.0	V	144.0	13.8
5567.900000	---	45.64	54.00	8.36	100.0	V	144.0	13.8

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 927MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

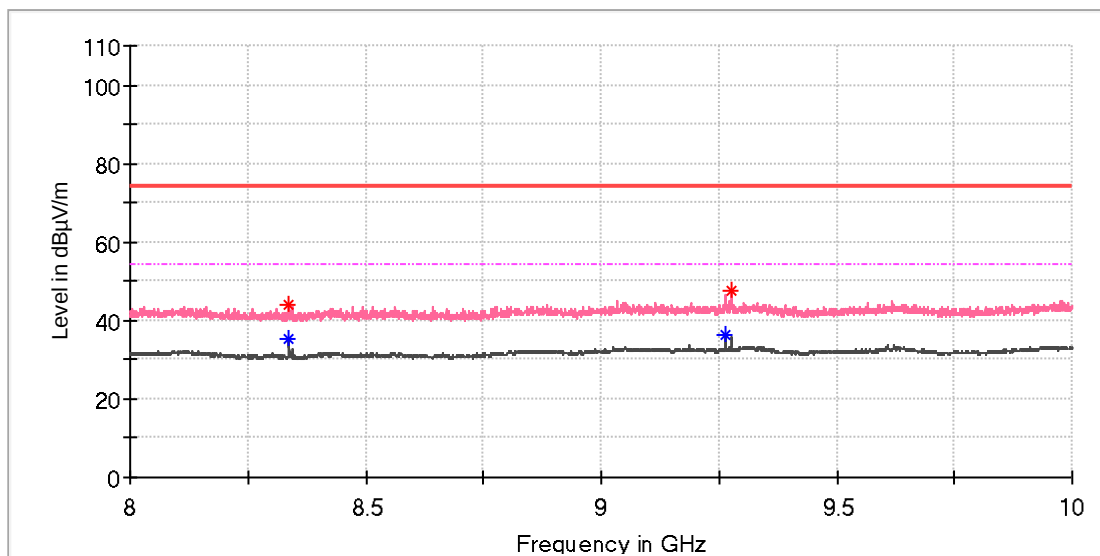
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8347.000000	43.42	---	74.00	30.58	100.0	H	20.0	8.9
8347.500000	---	32.43	54.00	21.57	100.0	H	20.0	8.9

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 927MHz
Order No/Sample No: 168417780/A003449295-013
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8337.000000	---	35.40	54.00	18.60	100.0	V	341.0	8.8
8337.500000	44.19	---	74.00	29.81	100.0	V	341.0	8.8
9263.500000	---	36.48	54.00	17.52	100.0	V	123.0	10.4
9276.000000	47.46	---	74.00	26.54	100.0	V	0.0	10.3

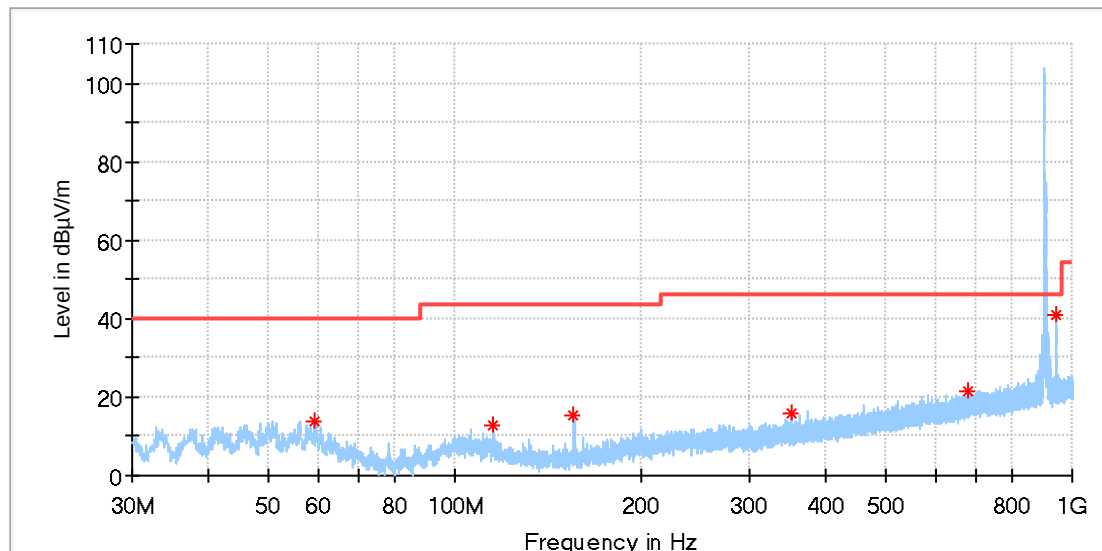
Final_Result

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

For Charging Station ANT
30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	915MHz_module
Model:	TB89W01
Test Mode:	903MHz
Order No/Sample No:	168417780/A003449295-014
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:53%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

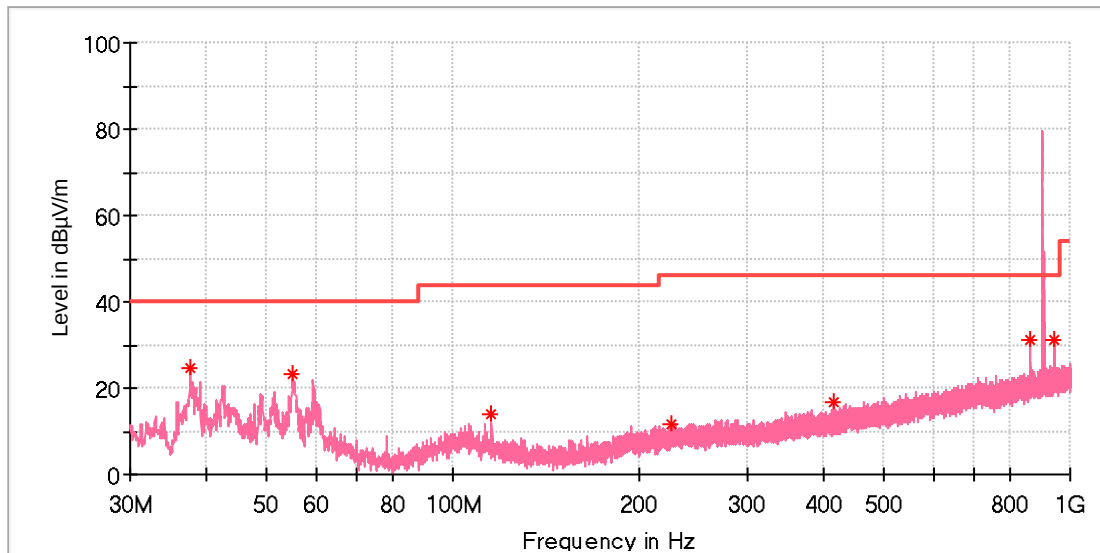
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.323846	13.86	40.00	26.14	100.0	H	0.0	-19.2
115.621154	12.71	43.50	30.79	100.0	H	307.0	-20.2
155.988077	15.25	43.50	28.25	100.0	H	317.0	-22.2
350.995385	15.71	46.00	30.29	100.0	H	291.0	-15.2
680.123846	21.38	46.00	24.62	100.0	H	260.0	-8.8
941.762692	40.89	46.00	5.11	100.0	H	275.0	-5.0

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 903MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

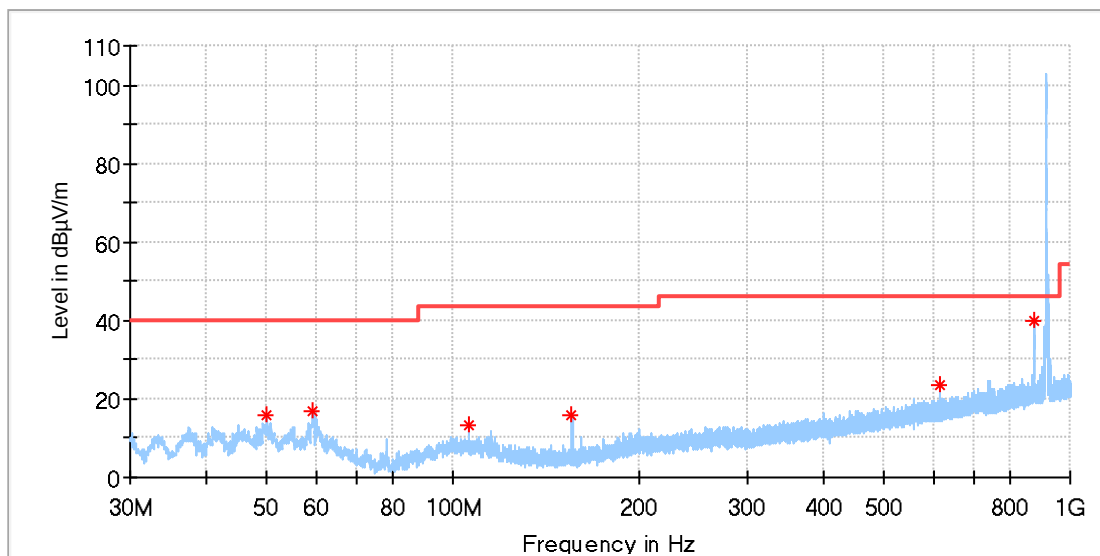
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.498846	24.86	40.00	15.14	100.0	V	328.0	-21.2
55.108077	23.08	40.00	16.92	100.0	V	337.0	-18.7
115.621154	13.74	43.50	29.76	100.0	V	346.0	-20.2
225.380385	11.71	46.00	34.29	100.0	V	0.0	-18.6
412.590385	16.72	46.00	29.28	100.0	V	171.0	-13.9
864.088077	31.19	46.00	14.81	100.0	V	337.0	-5.7
941.800000	31.22	46.00	14.78	100.0	V	171.0	-5.0

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 915MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

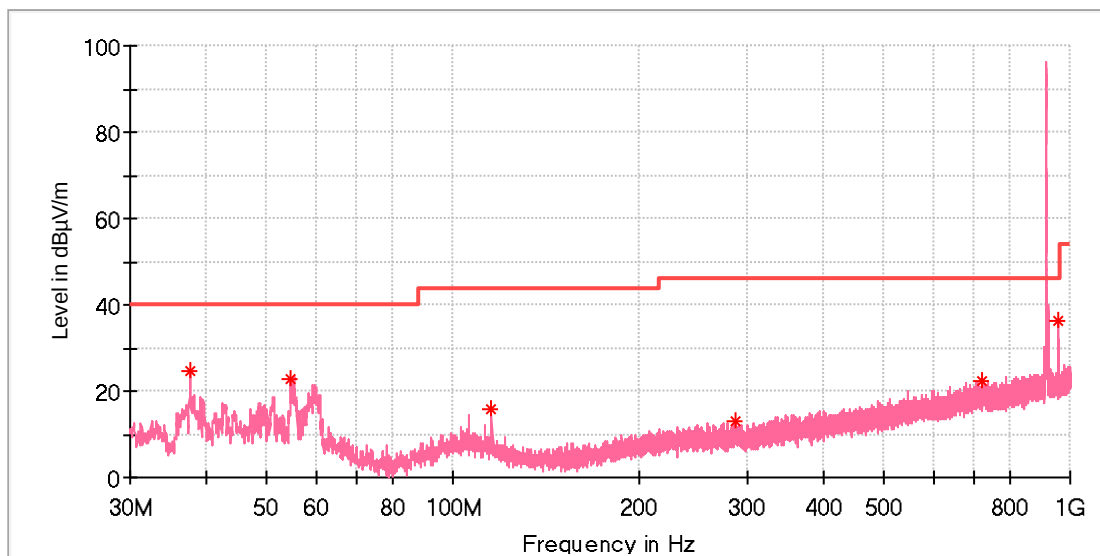
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.996923	15.84	40.00	24.16	100.0	H	28.0	-18.6
59.249231	17.03	40.00	22.97	100.0	H	107.0	-19.2
106.256923	13.18	43.50	30.32	100.0	H	177.0	-19.2
155.988077	16.04	43.50	27.46	100.0	H	77.0	-22.2
614.835385	23.50	46.00	22.50	100.0	H	160.0	-9.9
875.765385	40.15	46.00	5.85	100.0	H	215.0	-5.6

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 915MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

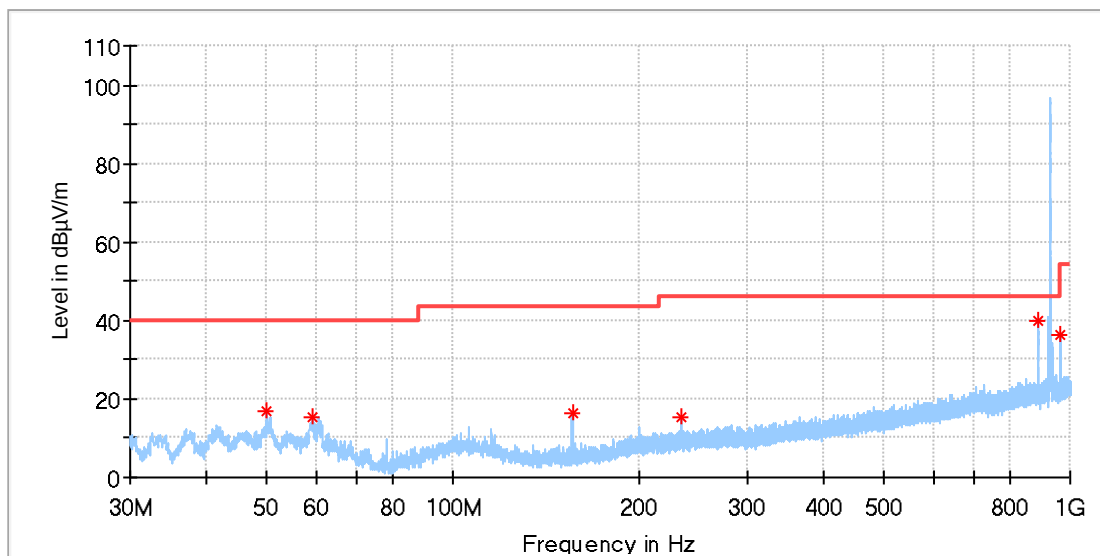
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.498846	24.71	40.00	15.29	100.0	V	28.0	-21.2
54.511154	23.00	40.00	17.00	100.0	V	97.0	-18.7
115.621154	15.74	43.50	27.76	100.0	V	37.0	-20.2
287.199231	13.14	46.00	32.86	100.0	V	194.0	-16.9
721.274231	22.54	46.00	23.46	100.0	V	104.0	-8.1
954.074231	36.11	46.00	9.89	100.0	V	1.0	-4.8

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 927MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

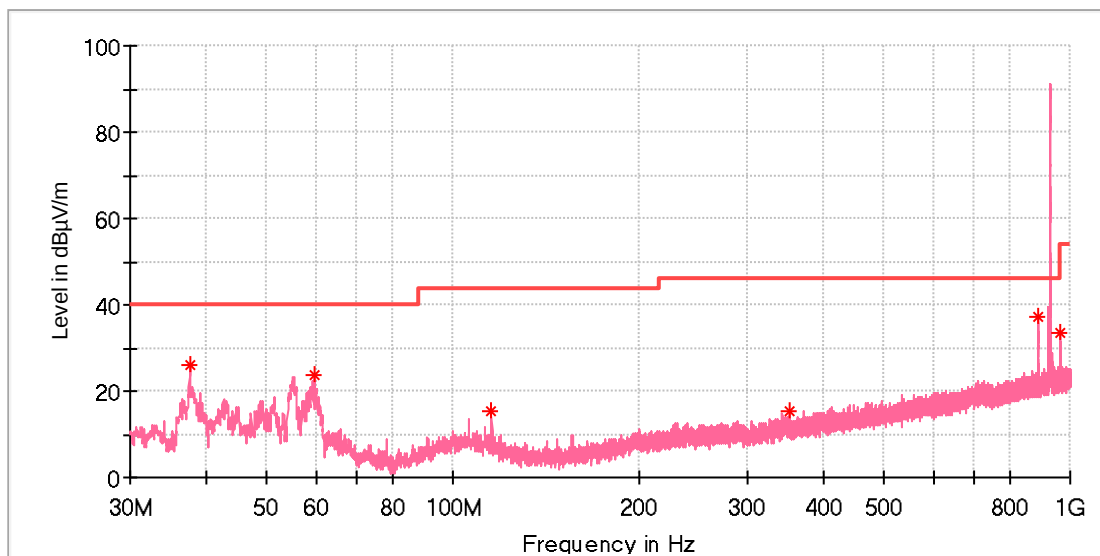
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.996923	16.95	40.00	23.05	100.0	H	77.0	-18.6
59.211923	15.52	40.00	24.48	100.0	H	158.0	-19.2
156.025385	16.25	43.50	27.25	100.0	H	89.0	-22.2
233.998462	15.14	46.00	30.86	100.0	H	72.0	-18.3
887.778462	39.79	46.00	6.21	100.0	H	209.0	-5.5
966.124615	36.38	54.00	17.62	100.0	H	105.0	-4.6

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 927MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 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)
37.461539	26.27	40.00	13.73	100.0	V	7.0	-21.3
59.771539	23.54	40.00	16.46	100.0	V	31.0	-19.3
115.621154	15.48	43.50	28.02	100.0	V	36.0	-20.2
351.965385	15.24	46.00	30.76	100.0	V	323.0	-15.1
888.076923	37.06	46.00	8.94	100.0	V	123.0	-5.5
966.012692	33.70	54.00	20.30	100.0	V	306.0	-4.6

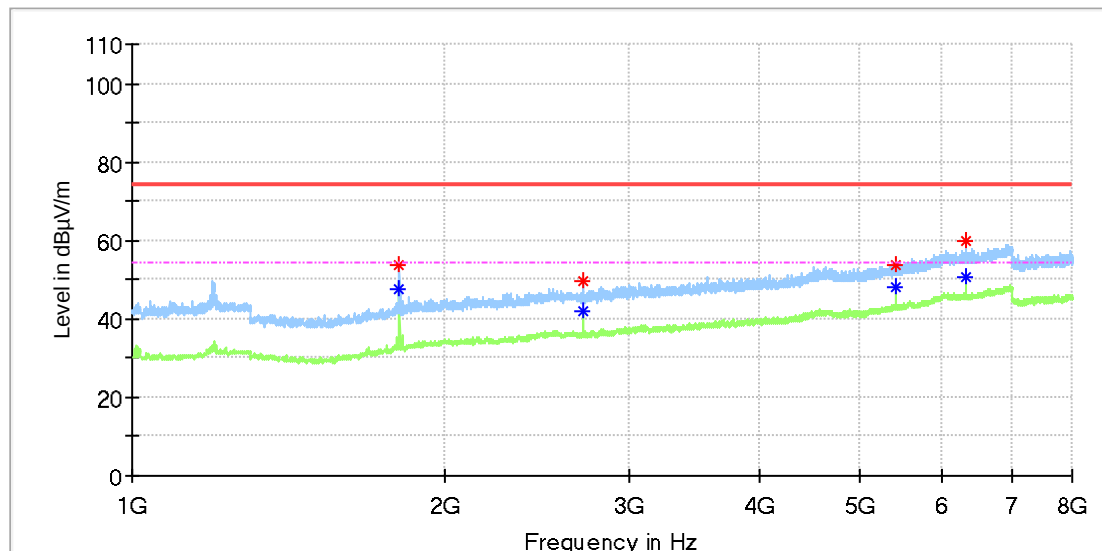
Final_Result

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

Above 1GHz (Worst case)

EUT Information

EUT Name:	915MHz_module
Model:	TB89W01
Test Mode:	903MHz
Order No/Sample No:	168417780/A003449295-014
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:53%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

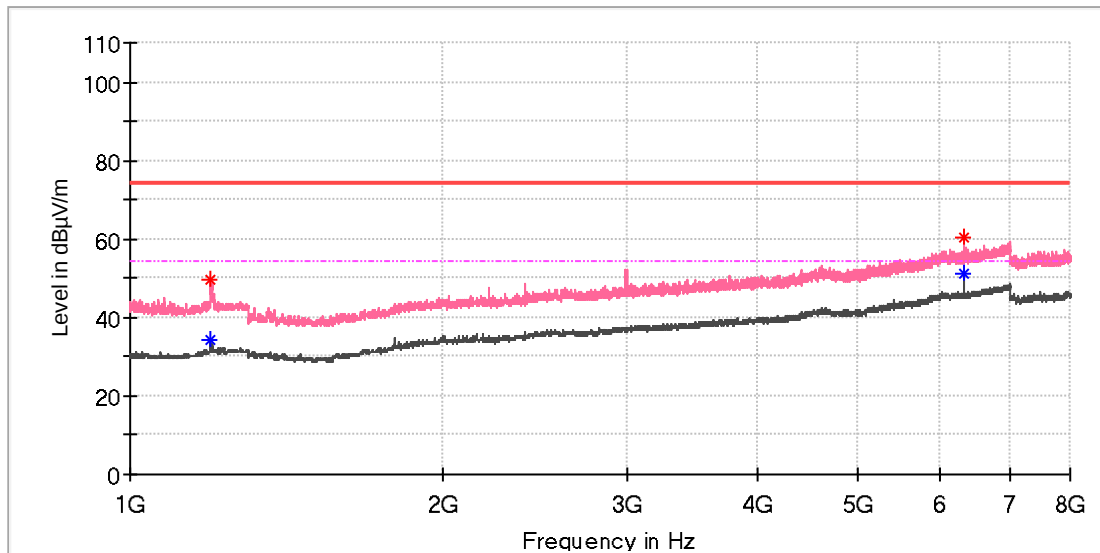
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1805.012500	---	47.68	54.00	6.32	100.0	H	95.0	4.8
1806.687500	53.83	---	74.00	20.17	100.0	H	95.0	4.8
2709.512500	49.72	---	74.00	24.28	100.0	H	85.0	7.6
2709.512500	---	42.11	54.00	11.89	100.0	H	85.0	7.6
5423.012500	53.96	---	74.00	20.04	100.0	H	176.0	13.5
5423.012500	---	48.14	54.00	5.86	100.0	H	176.0	13.5
6323.325000	59.83	---	74.00	14.17	100.0	H	236.0	15.9
6323.325000	---	50.56	54.00	3.44	100.0	H	236.0	15.9

Final Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 903MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

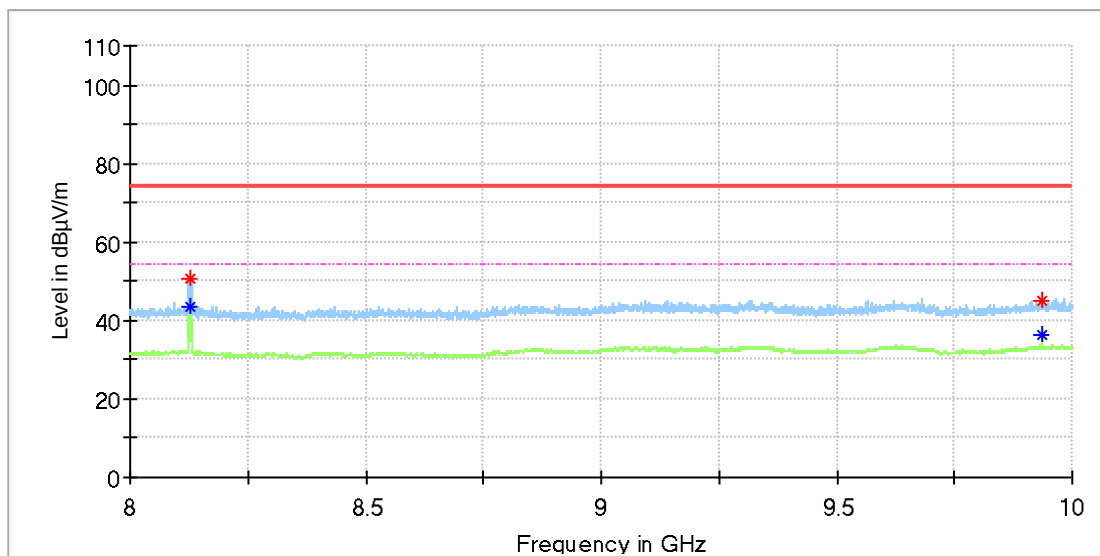
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1195.000000	49.69	---	74.00	24.31	100.0	V	177.0	1.1
1195.000000	---	34.36	54.00	19.64	100.0	V	177.0	1.1
6319.137500	---	51.38	54.00	2.62	100.0	V	7.0	15.9
6323.325000	60.25	---	74.00	13.75	100.0	V	7.0	15.9

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 903MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

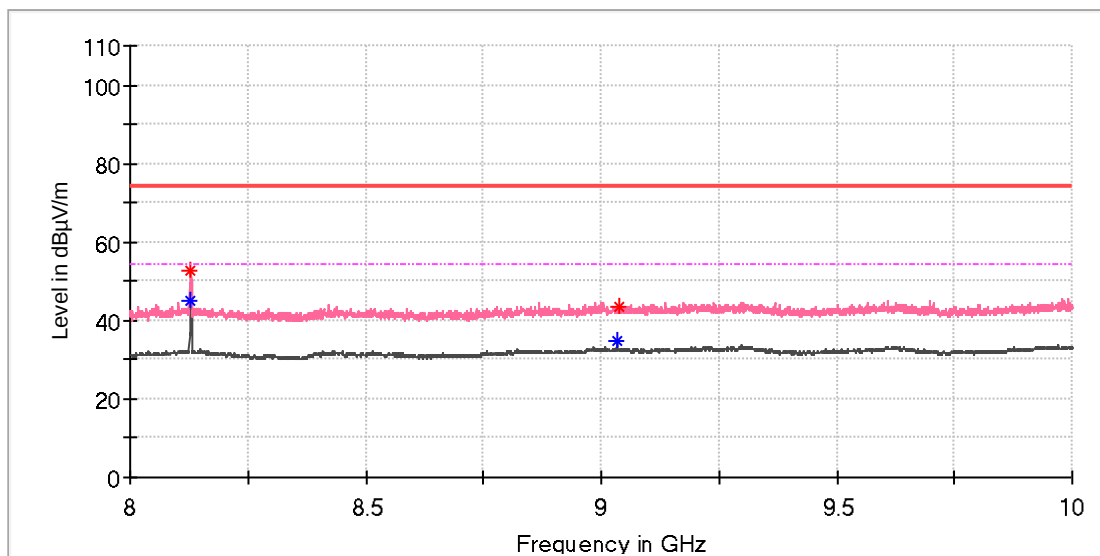
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8129.000000	50.76	---	74.00	23.24	100.0	H	282.0	9.0
8129.500000	---	43.30	54.00	10.70	100.0	H	282.0	9.0
9936.000000	---	36.17	54.00	17.83	100.0	H	95.0	10.9
9936.500000	45.20	---	74.00	28.80	100.0	H	95.0	10.9

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 903MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

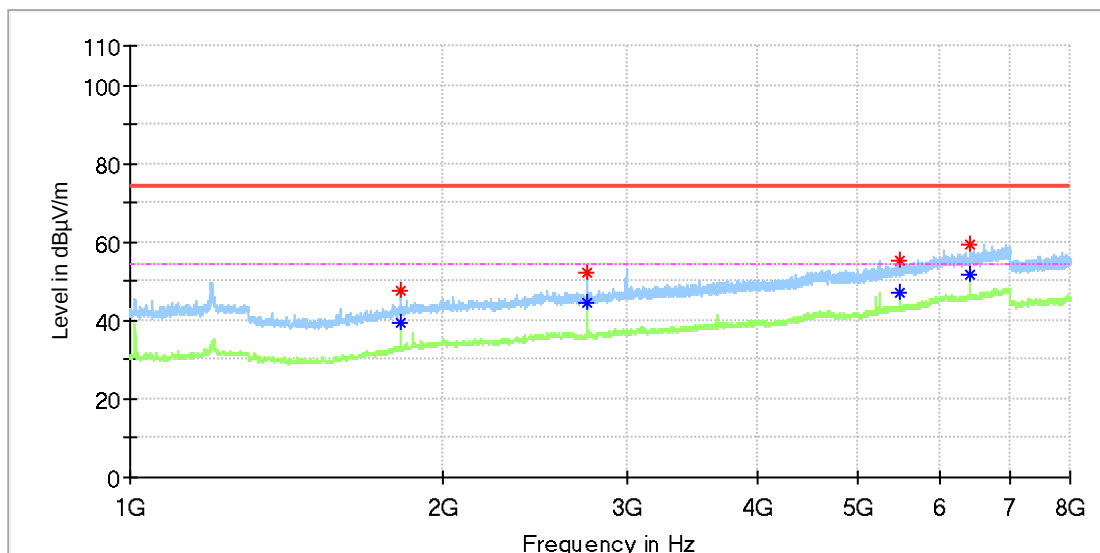
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8129.000000	52.70	---	74.00	21.30	100.0	V	263.0	9.0
8129.000000	---	44.98	54.00	9.02	100.0	V	263.0	9.0
9033.000000	---	34.97	54.00	19.03	100.0	V	250.0	9.6
9036.500000	43.66	---	74.00	30.34	100.0	V	321.0	9.6

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 915MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

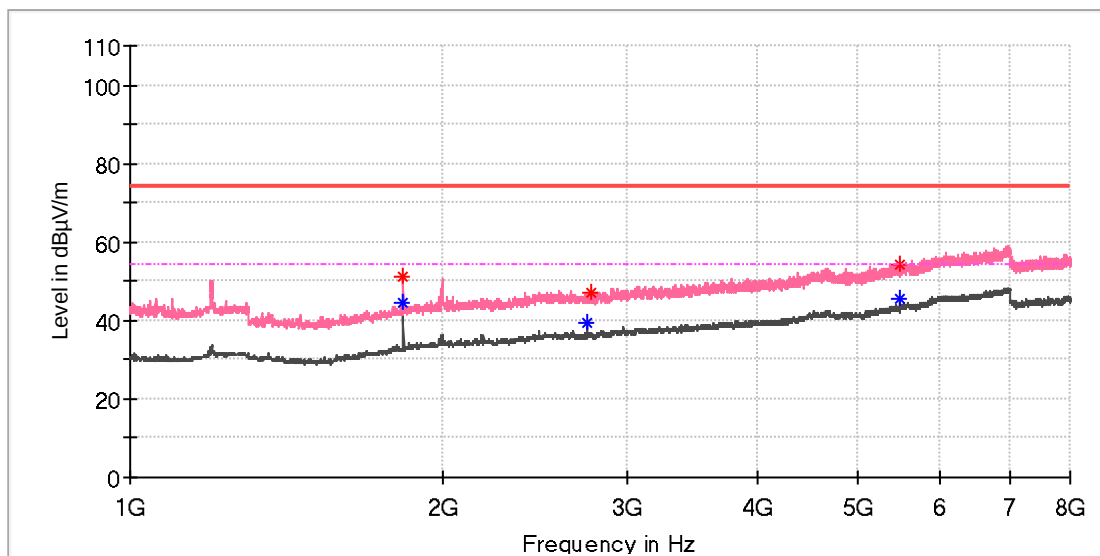
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1816.737500	47.36	---	74.00	26.64	100.0	H	318.0	4.8
1817.575000	---	39.20	54.00	14.80	100.0	H	318.0	4.8
2745.525000	---	44.28	54.00	9.72	100.0	H	128.0	7.8
2745.525000	52.03	---	74.00	21.97	100.0	H	128.0	7.8
5495.037500	55.47	---	74.00	18.53	100.0	H	94.0	13.7
5495.037500	---	47.17	54.00	6.83	100.0	H	94.0	13.7
6402.887500	59.59	---	74.00	14.41	100.0	H	199.0	16.1
6402.887500	---	51.58	54.00	2.42	100.0	H	199.0	16.1

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 915MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

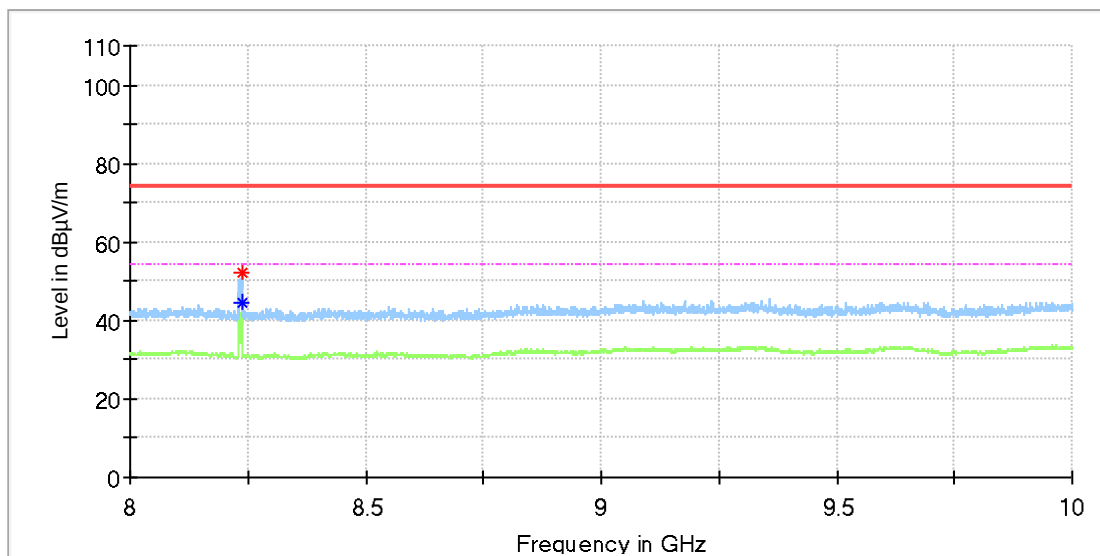
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1829.300000	51.10	---	74.00	22.90	100.0	V	181.0	4.9
1829.300000	---	44.64	54.00	9.36	100.0	V	181.0	4.9
2745.525000	---	39.26	54.00	14.74	100.0	V	71.0	7.8
2773.162500	47.25	---	74.00	26.75	100.0	V	279.0	7.9
5495.037500	---	45.35	54.00	8.65	100.0	V	234.0	13.7
5496.712500	54.09	---	74.00	19.91	100.0	V	216.0	13.7

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 915MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

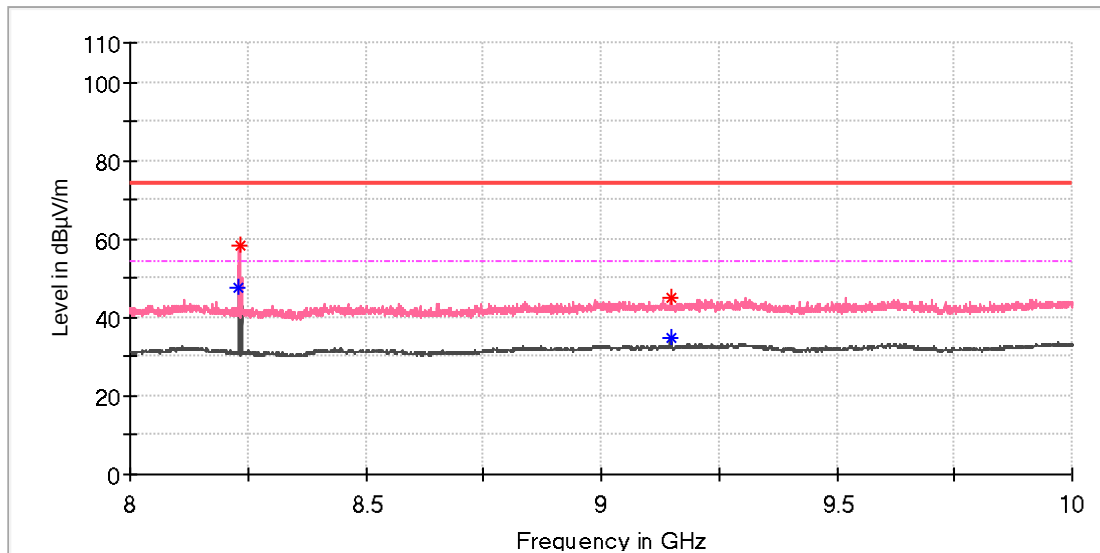
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8237.500000	52.14	---	74.00	21.86	100.0	H	290.0	8.8
8237.500000	---	44.29	54.00	9.71	100.0	H	290.0	8.8

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 915MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

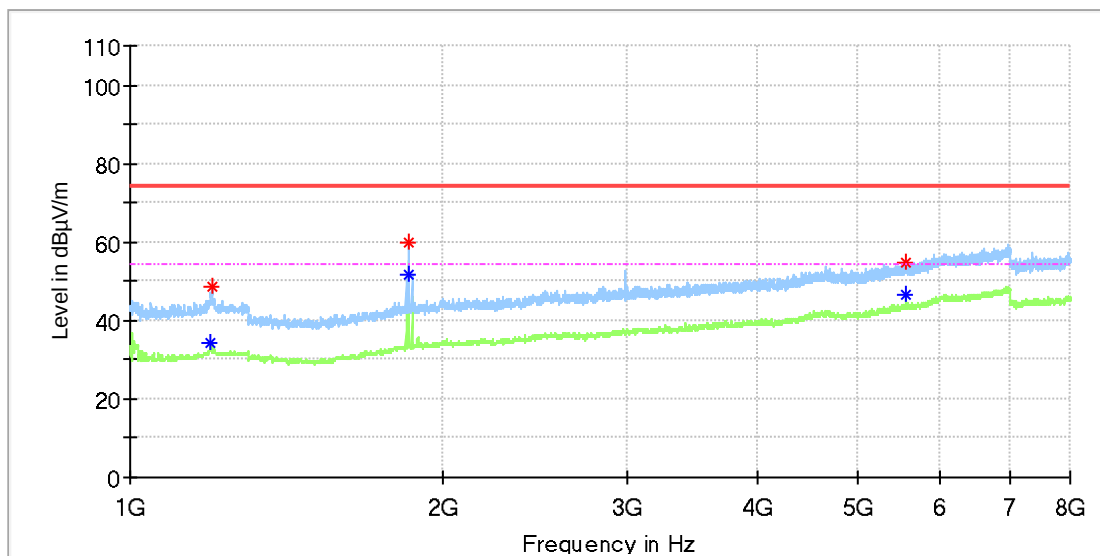
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8231.500000	---	47.51	54.00	6.49	100.0	V	326.0	8.8
8232.000000	58.10	---	74.00	15.90	100.0	V	326.0	8.8
9147.000000	44.88	---	74.00	29.12	100.0	V	227.0	10.4
9147.000000	---	34.87	54.00	19.13	100.0	V	227.0	10.4

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 927MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

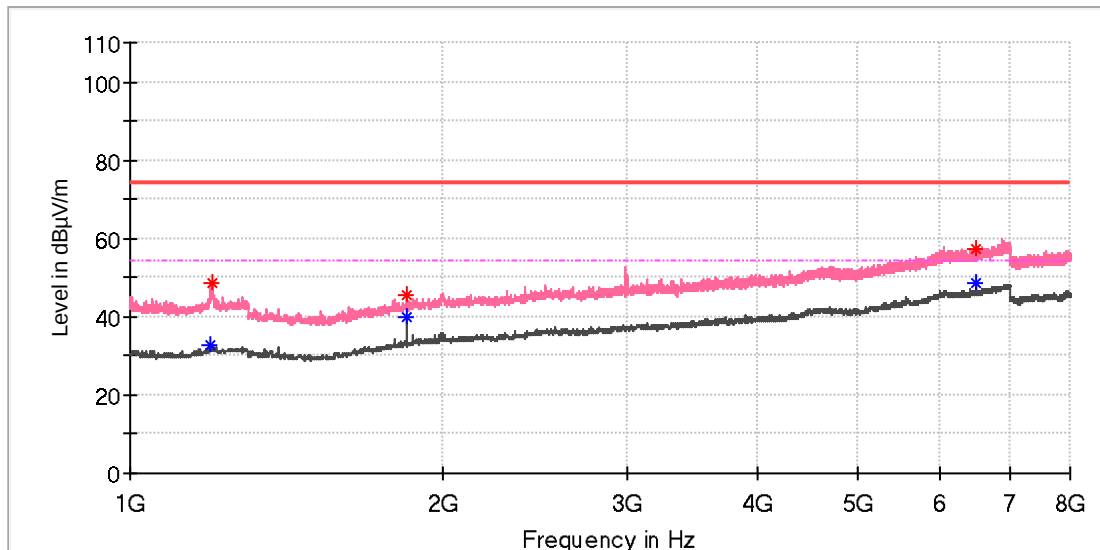
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1194.500000	---	34.32	54.00	19.68	100.0	H	0.0	1.1
1197.500000	48.37	---	74.00	25.63	100.0	H	1.0	1.1
1852.750000	59.68	---	74.00	14.32	100.0	H	315.0	5.0
1854.425000	---	51.50	54.00	2.50	100.0	H	315.0	5.0
5558.687500	54.64	---	74.00	19.36	100.0	H	215.0	13.8
5567.062500	---	46.51	54.00	7.49	100.0	H	146.0	13.8

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 927MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

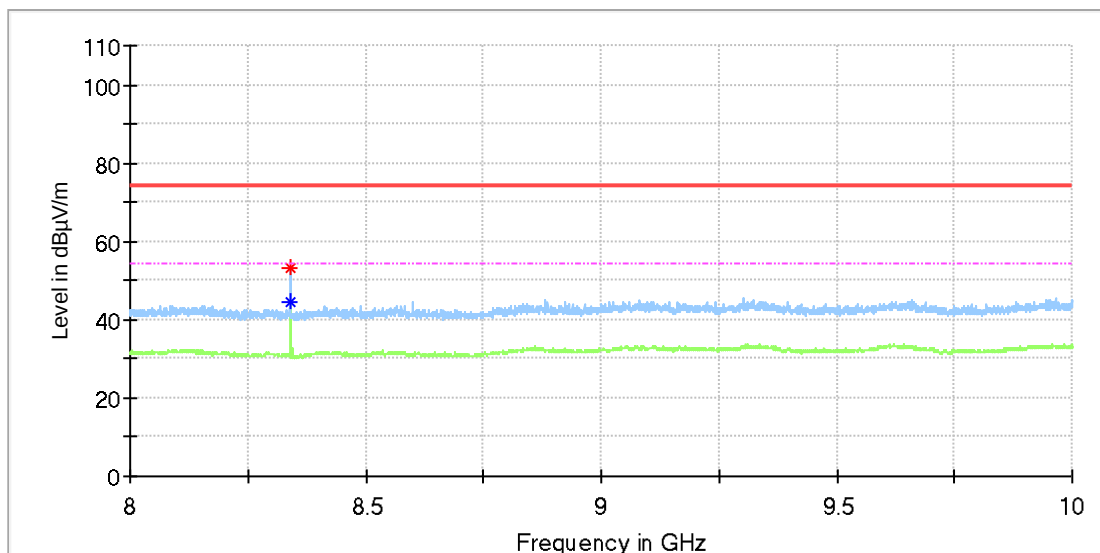
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1195.000000	---	32.98	54.00	21.02	100.0	V	183.0	1.1
1199.500000	48.74	---	74.00	25.26	100.0	V	196.0	1.1
1841.862500	45.70	---	74.00	28.30	100.0	V	342.0	4.9
1841.862500	---	39.78	54.00	14.22	100.0	V	342.0	4.9
6487.475000	57.35	---	74.00	16.65	100.0	V	293.0	16.2
6487.475000	---	48.74	54.00	5.26	100.0	V	293.0	16.2

Final Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 927MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

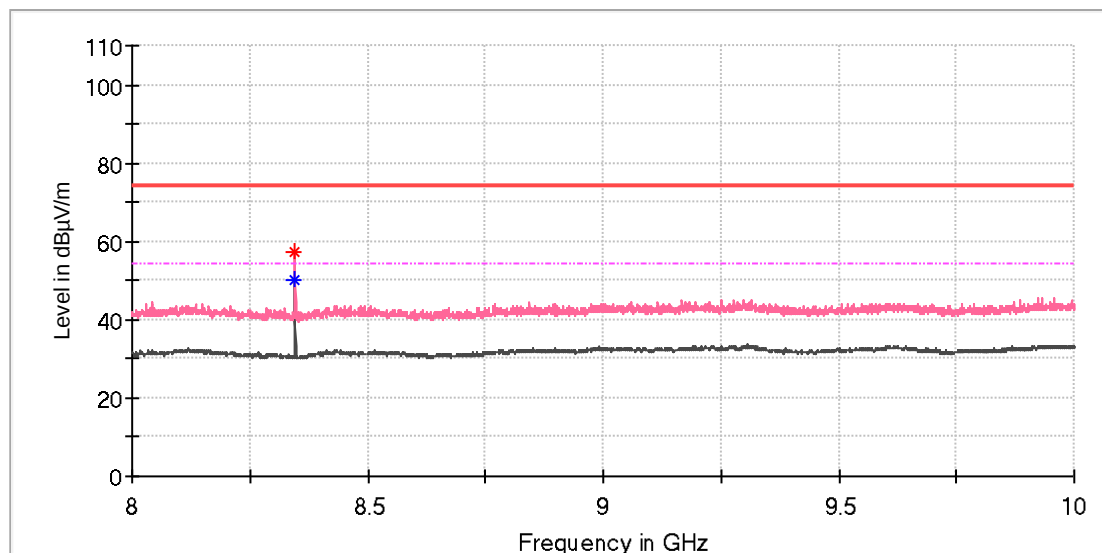
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8340.000000	53.04	---	74.00	20.96	100.0	H	344.0	8.8
8340.000000	---	44.27	54.00	9.73	100.0	H	344.0	8.8

Final_Result

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

EUT Information

EUT Name: 915MHz_module
Model: TB89W01
Test Mode: 927MHz
Order No/Sample No: 168417780/A003449295-014
Test Voltage:: DC 3.3V
Remark: Temp 23 Humi:53%
Test Standard: FCC Part 15C
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8345.000000	---	50.33	54.00	3.67	100.0	V	300.0	8.8
8345.500000	57.55	---	74.00	16.45	100.0	V	300.0	8.8

Final_Result

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