Appendix C: Test Results of 2.4GHz Wi-Fi

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

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-2.92	≤8.00	PASS
		2437	-2.98	≤8.00	PASS
		2462	-3.89	≤8.00	PASS
11G	Ant1	2412	-5.88	≤8.00	PASS
		2437	-6.01	≤8.00	PASS
		2462	-5.67	≤8.00	PASS
11N20SISO	Ant1	2412	-6.62	≤8.00	PASS
		2437	-6.89	≤8.00	PASS
		2462	-6.57	≤8.00	PASS
11N40SISO	Ant1	2422	-9.96	≤8.00	PASS
		2437	-10.27	≤8.00	PASS
		2452	-9.68	≤8.00	PASS

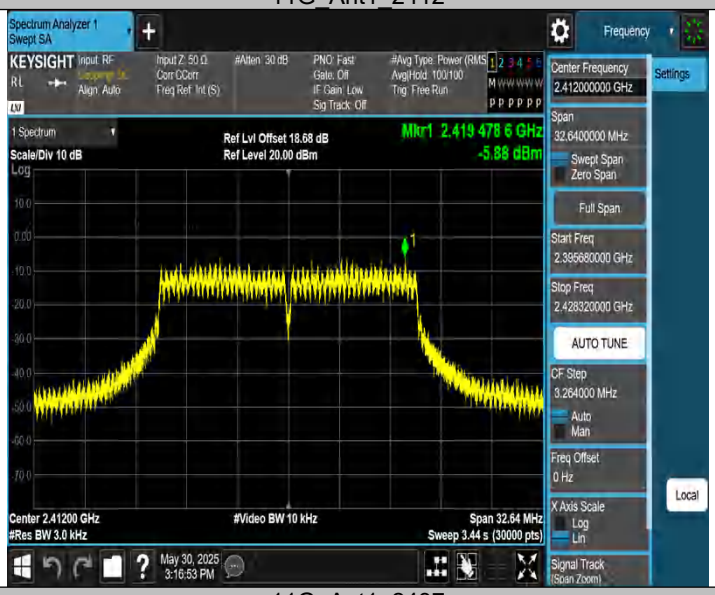
Test Graphs

11B_Ant1_2412

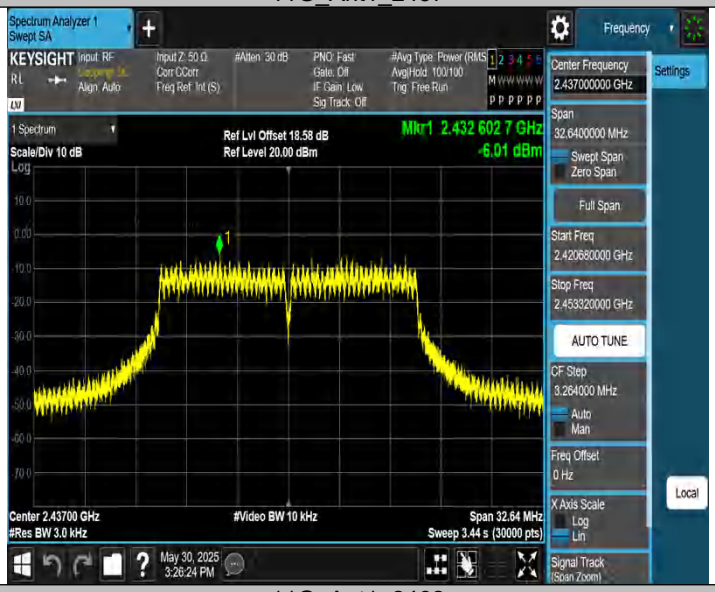
11B_Ant1_2437

11B_Ant1_2462

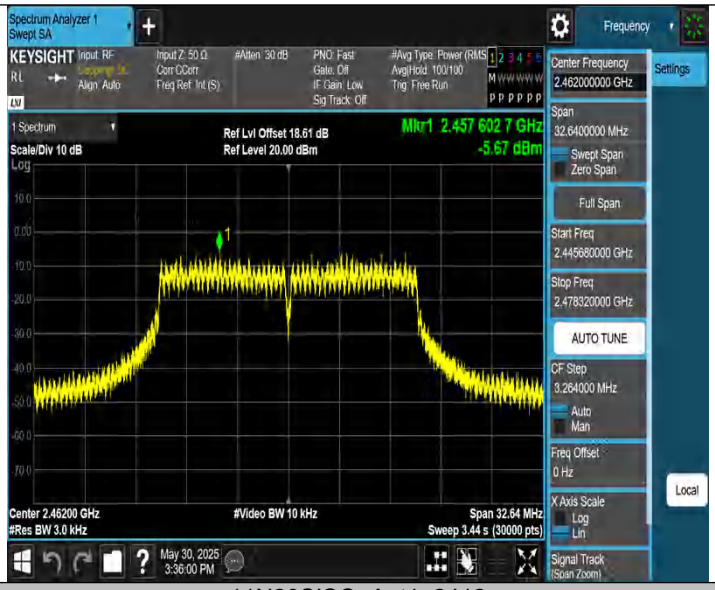
11G_Ant1_2412



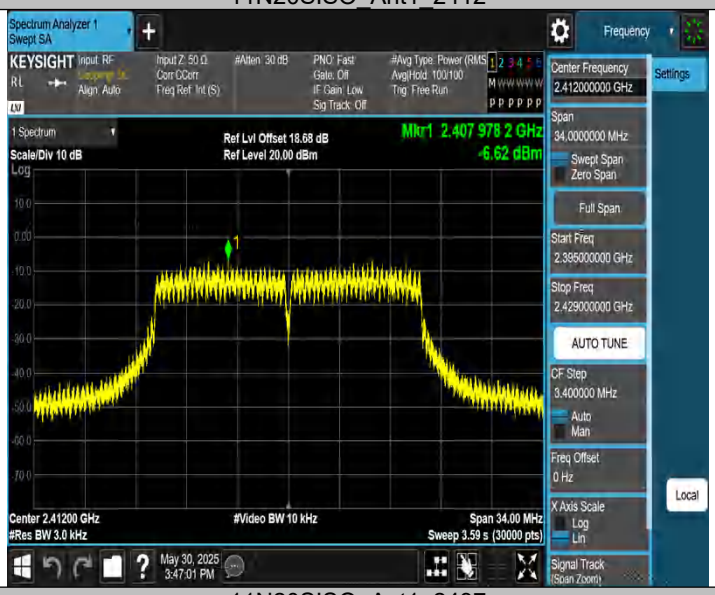
11G_Ant1_2437



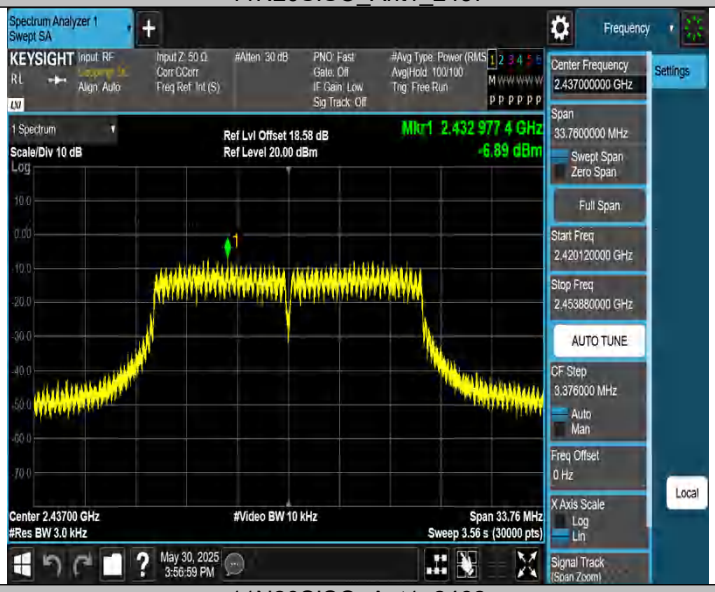
11G_Ant1_2462



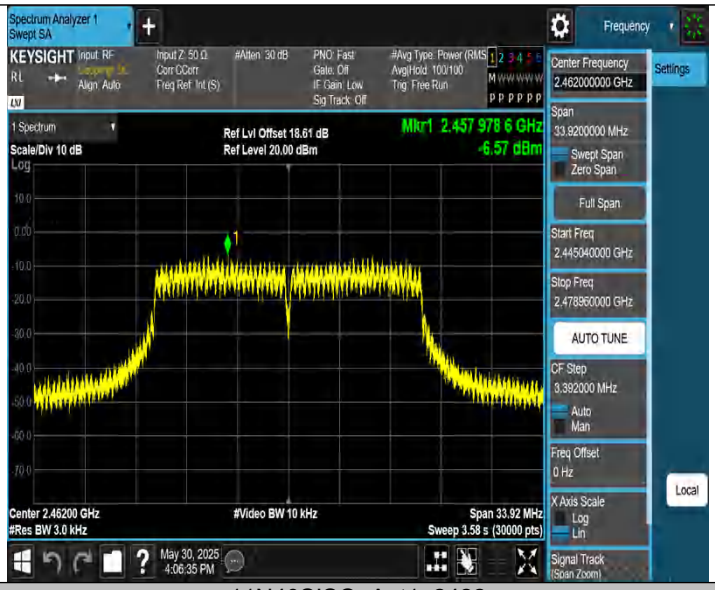
11N20SISO_Ant1_2412



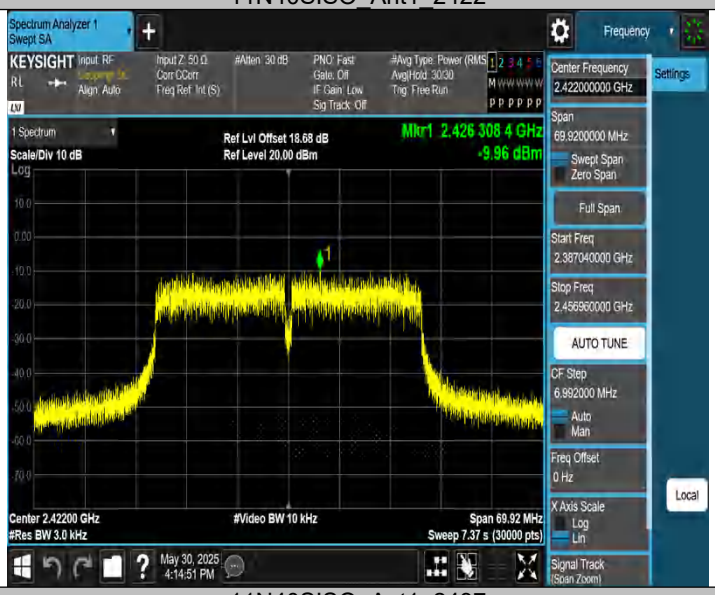
11N20SISO_Ant1_2437



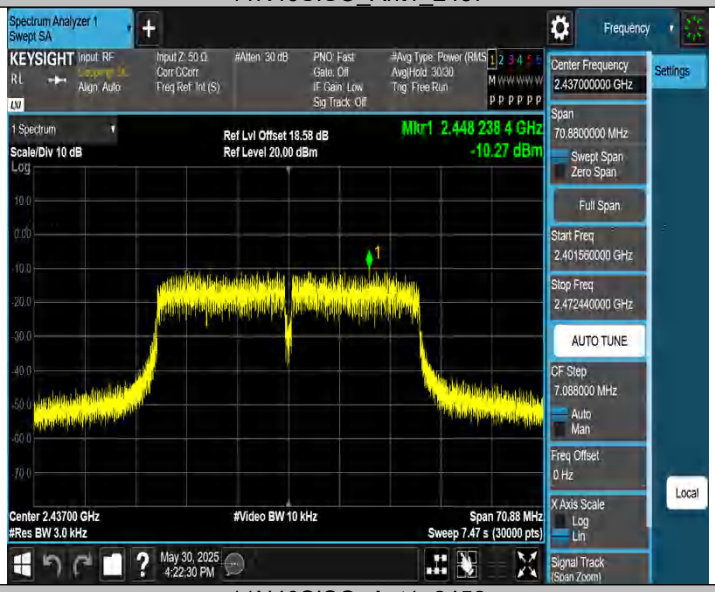
11N20SISO_Ant1_2462



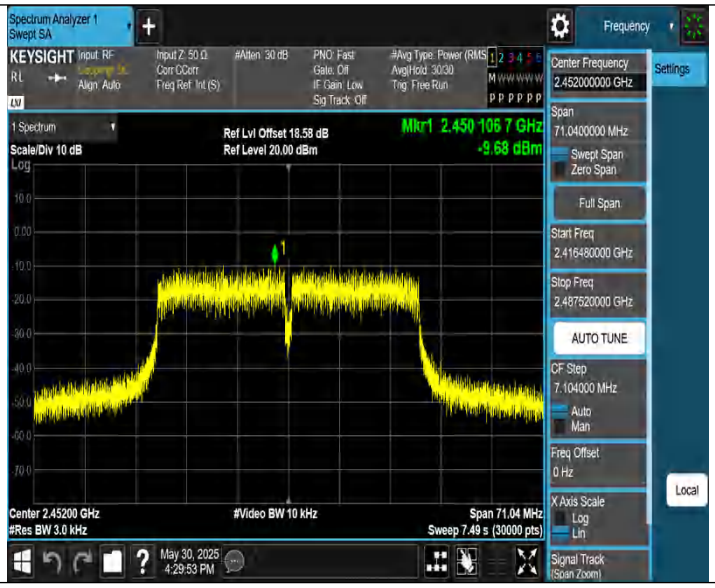
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
#Atten: 30 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS)
Avg|Hold: 30/30
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 18.58 dB
Ref Level 20.00 dBm
Mkr1 2.450 106 7 GHz
-9.68 dBm
Center 2.45200 GHz
#Res BW 3.0 kHz
#Video BW 10 kHz
Span 71.04 MHz
Sweep 7.49 s (30000 pts)
May 30, 2025
4:29:53 PM
Frequency
Center Frequency
2.452000000 GHz
Settings
Span
71.0400000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.416480000 GHz
Stop Freq
2.487520000 GHz
AUTO TUNE
CF Step
7.104000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Local
Signal Track
(Span Zoom)

Appendix C.2: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	9.520	2432.440	2441.960	0.5	PASS
		2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.800	2445.120	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.000	2403.480	2420.480	0.5	PASS
		2437	16.880	2428.480	2445.360	0.5	PASS
		2462	16.960	2453.440	2470.400	0.5	PASS
11N40SISO	Ant1	2422	34.960	2404.560	2439.520	0.5	PASS
		2437	35.440	2419.080	2454.520	0.5	PASS
		2452	35.520	2434.240	2469.760	0.5	PASS

Test Graphs

11B_Ant1_2412

11B_Ant1_2437

11B_Ant1_2462

11G_Ant1_2412

11G_Ant1_2437

11G_Ant1_2462

11N20SISO_Ant1_2412

11N20SISO_Ant1_2437

11N20SISO_Ant1_2462

11N40SISO_Ant1_2422

11N40SISO_Ant1_2437

11N40SISO_Ant1_2452

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
#Atten: 40 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS)
Avg|Hold: 100/100
Trig: Free Run
Align: Auto
1 Spectrum
Scale/Div 10 dB
Ref Lvl Offset 18.58 dB
Ref Level 30.00 dBm
ΔMkr3 35.52 MHz
0.70 dB
Center 2.45200 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Span 80.00 MHz
Sweep 7.67 ms (1001 pts)
5 Marker Table
Mode Trace Scale X Y Function Function Width Function Value
1 N 1 f 2.434 24 GHz -1.476 dBm
2 N 1 f 2.454 48 GHz 4.348 dBm
3 Δ1 1 f (Δ) 35.52 MHz (Δ) 0.7025 dB
May 30, 2025
4:25:26 PM
Frequency
Center Frequency
2.452000000 GHz
Settings
Span
80.0000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.412000000 GHz
Stop Freq
2.492000000 GHz
AUTO TUNE
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
Local

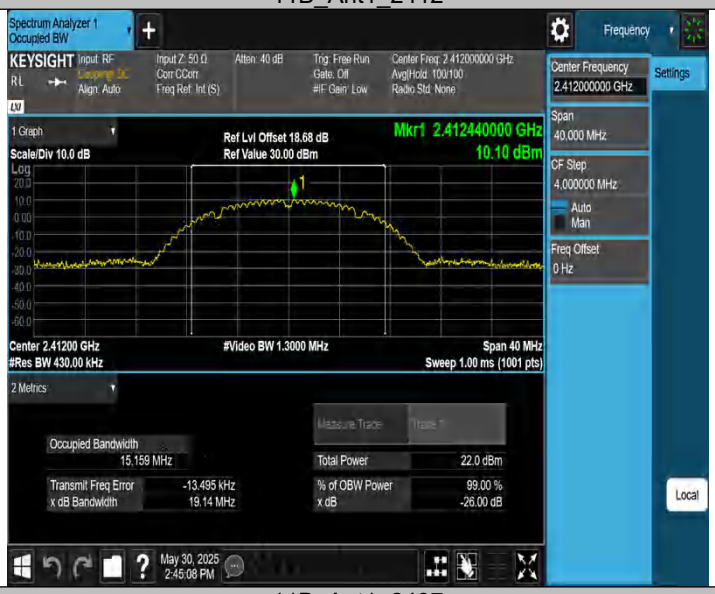
Appendix C.3: Test Results of 99% Bandwidth

Test Result

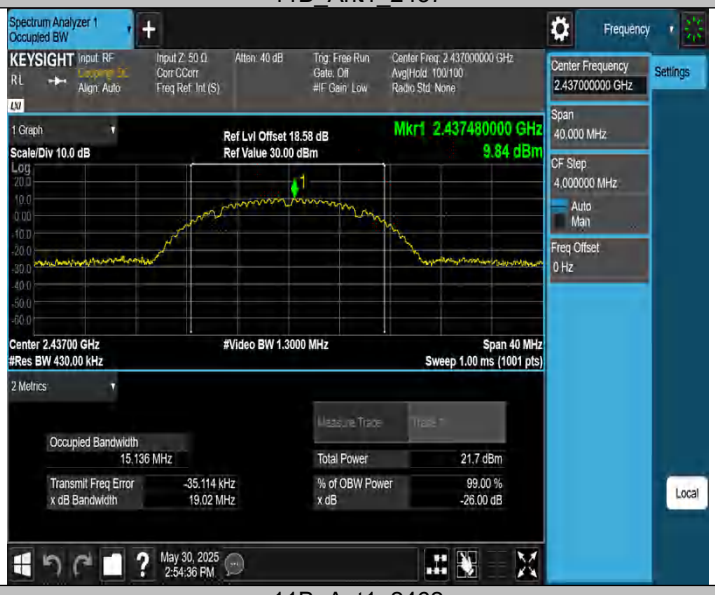
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.159	2404.4070	2419.5660	---	PASS
		2437	15.136	2429.3969	2444.5329	---	PASS
		2462	15.139	2454.3894	2469.5284	---	PASS
11G	Ant1	2412	17.017	2403.4823	2420.4993	---	PASS
		2437	17.023	2428.4878	2445.5108	---	PASS
		2462	17.050	2453.4564	2470.5064	---	PASS
11N20SISO	Ant1	2412	17.911	2403.0727	2420.9837	---	PASS
		2437	17.872	2428.0650	2445.9370	---	PASS
		2462	17.941	2453.0403	2470.9813	---	PASS
11N40SISO	Ant1	2422	36.523	2403.6454	2440.1684	---	PASS
		2437	36.427	2418.7935	2455.2205	---	PASS
		2452	36.413	2433.7487	2470.1617	---	PASS

Test Graphs

11B_Ant1_2412



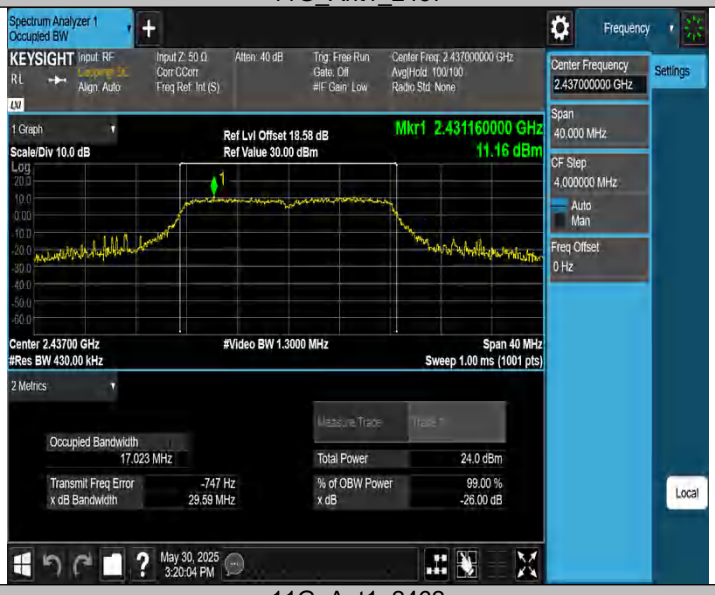
11B_Ant1_2437



11B_Ant1_2462

11G_Ant1_2412

11G_Ant1_2437



11G_Ant1_2462

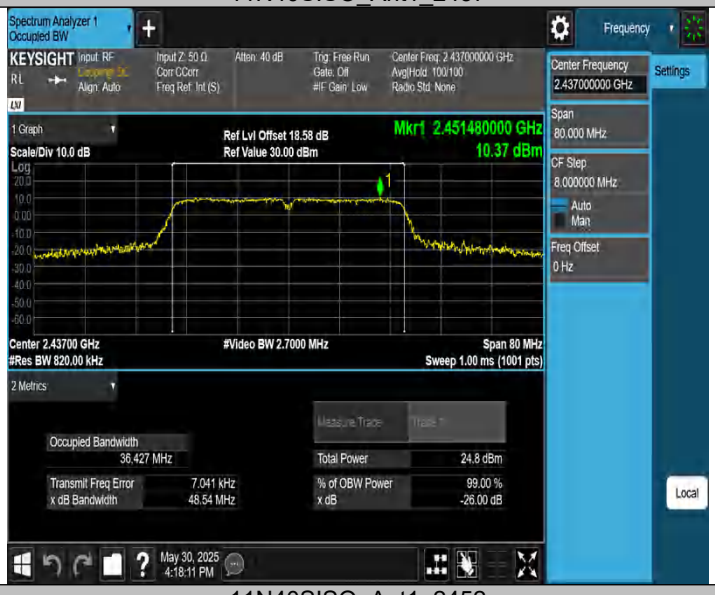
11N20SISO_Ant1_2412

11N20SISO_Ant1_2437

11N20SISO_Ant1_2462

11N40SISO_Ant1_2422

11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Spectrum Analyzer 1
Occupied BW
KEYSIGHT
Input: RF
Input Z: 50 Ω
Atten: 40 dB
Trig: Free Run
Center Freq: 2.452000000 GHz
Gate: Off
Avg|Hold: 100/100
Align: Auto
Freq Ref: Int (S)
#IF Gain: Low
Radio Std: None
1 Graph
Scale/Div 10.0 dB
Ref Lvl Offset 18.58 dB
Ref Value 30.00 dBm
Mkr1 2.448480000 GHz
11.22 dBm
Center 2.45200 GHz
#Res BW 820.00 kHz
#Video BW 2.7000 MHz
Span 80 MHz
Sweep 1.00 ms (1001 pts)
2 Metrics
Occupied Bandwidth
36.413 MHz
Transmit Freq Error
-44.799 kHz
x dB Bandwidth
50.84 MHz
Total Power
25.3 dBm
% of OBW Power
99.00 %
x dB
-26.00 dB
May 30, 2025
4:25:33 PM
Frequency
Center Frequency
2.452000000 GHz
Settings
Span
80.000 MHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz
Local

Appendix C.4: Test Results of Band Edge Measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.63	-32.6	≤-10.37	PASS
		High	2462	9.41	-40.36	≤-10.59	PASS
11G	Ant1	Low	2412	6.29	-23.83	≤-13.71	PASS
		High	2462	7.54	-34.99	≤-12.46	PASS
11N20SISO	Ant1	Low	2412	6.62	-25.83	≤-13.38	PASS
		High	2462	7.42	-34.86	≤-12.58	PASS
11N40SISO	Ant1	Low	2422	4.52	-26.65	≤-15.48	PASS
		High	2452	4.56	-28.03	≤-15.44	PASS

Test Graphs

11B_Ant1_Low_2412

11B_Ant1_High_2462

11G_Ant1_Low_2412

11G_Ant1_High_2462

11N20SISO_Ant1_Low_2412

11N20SISO_Ant1_High_2462

11N40SISO_Ant1_Low_2422

11N40SISO_Ant1_High_2452

Appendix C.5: Test Results of Conducted Spurious Emissions

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.91	8.91	---	PASS
			30~1000	8.91	-40.1	≤-11.09	PASS
			1000~26500	8.91	-31.82	≤-11.09	PASS
		2437	Reference	8.60	8.60	---	PASS
			30~1000	8.60	-41.39	≤-11.4	PASS
			1000~26500	8.60	-31.91	≤-11.4	PASS
		2462	Reference	8.03	8.03	---	PASS
			30~1000	8.03	-41.48	≤-11.97	PASS
			1000~26500	8.03	-31.52	≤-11.97	PASS
11G	Ant1	2412	Reference	4.14	4.14	---	PASS
			30~1000	4.14	-41.17	≤-15.86	PASS
			1000~26500	4.14	-31.99	≤-15.86	PASS
		2437	Reference	3.46	3.46	---	PASS
			30~1000	3.46	-41.04	≤-16.54	PASS
			1000~26500	3.46	-32.61	≤-16.54	PASS
		2462	Reference	6.77	6.77	---	PASS
			30~1000	6.77	-41.08	≤-13.23	PASS
			1000~26500	6.77	-32.27	≤-13.23	PASS
11N20SISO	Ant1	2412	Reference	3.49	3.49	---	PASS
			30~1000	3.49	-40.87	≤-16.51	PASS
			1000~26500	3.49	-32.08	≤-16.51	PASS
		2437	Reference	7.23	7.23	---	PASS
			30~1000	7.23	-41.22	≤-12.77	PASS
			1000~26500	7.23	-32.04	≤-12.77	PASS
		2462	Reference	3.67	3.67	---	PASS
			30~1000	3.67	-41.34	≤-16.33	PASS
			1000~26500	3.67	-31.8	≤-16.33	PASS
11N40SISO	Ant1	2422	Reference	3.14	3.14	---	PASS
			30~1000	3.14	-40.88	≤-16.86	PASS
			1000~26500	3.14	-31.52	≤-16.86	PASS
		2437	Reference	4.04	4.04	---	PASS
			30~1000	4.04	-40.37	≤-15.96	PASS
			1000~26500	4.04	-32.42	≤-15.96	PASS
		2452	Reference	4.61	4.61	---	PASS
			30~1000	4.61	-41.17	≤-15.39	PASS
			1000~26500	4.61	-32.24	≤-15.39	PASS

Test Graphs

11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000

11B_Ant1_2412_1000~26500

11B_Ant1_2437_0~Reference

11B_Ant1_2437_30~1000

11B_Ant1_2437_1000~26500

11B_Ant1_2462_0~Reference

11B_Ant1_2462_30~1000

11B_Ant1_2462_1000~26500

11G_Ant1_2412_0~Reference

11G_Ant1_2412_30~1000

11G_Ant1_2412_1000~26500

11G_Ant1_2437_0~Reference

11G_Ant1_2437_30~1000

11G_Ant1_2437_1000~26500

11G_Ant1_2462_0~Reference

11G_Ant1_2462_30~1000

11G_Ant1_2462_1000~26500

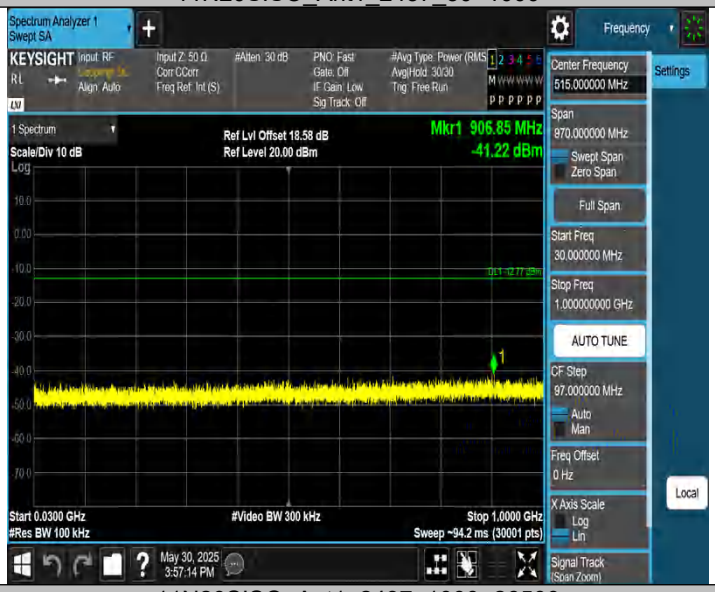
11N20SISO_Ant1_2412_0~Reference

11N20SISO_Ant1_2412_30~1000

11N20SISO_Ant1_2412_1000~26500

11N20SISO_Ant1_2437_0~Reference

11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500

11N20SISO_Ant1_2462_0~Reference

11N20SISO_Ant1_2462_30~1000

11N20SISO_Ant1_2462_1000~26500

11N40SISO_Ant1_2422_0~Reference

11N40SISO_Ant1_2422_30~1000

11N40SISO_Ant1_2422_1000~26500

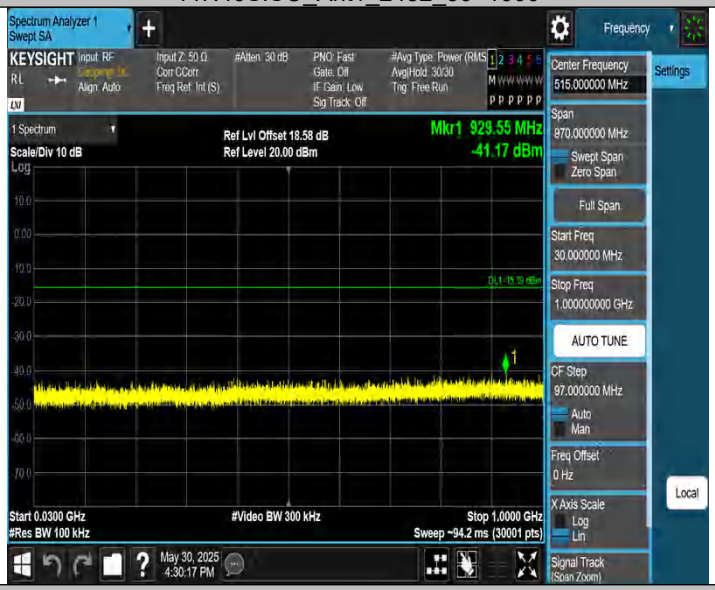
11N40SISO_Ant1_2437_0~Reference

11N40SISO_Ant1_2437_30~1000

11N40SISO_Ant1_2437_1000~26500

11N40SISO_Ant1_2452_0~Reference

11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
#Atten: 30 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS)
Avg|Hold: 30/30
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Ref Lvl Offset 18.58 dB
Ref Level 20.00 dBm
Mkr2 26.185 50 GHz
-32.24 dBm
Start 1.00 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 26.50 GHz
Sweep ~2.44 s (30001 pts)
5 Marker Table
Mode Trace Scale X Y Function Function Width Function Value
1 N 1 f 2.454 35 GHz 4.571 dBm
2 N 1 f 26.185 50 GHz -32.24 dBm
May 30, 2025
4:31:53 PM
Frequency
Center Frequency
13.750000000 GHz
Settings
Span
25.5000000 GHz
Swept Span
Zero Span
Full Span
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
AUTO TUNE
CF Step
2.550000000 GHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Local
Signal Track
(Span Zoom)

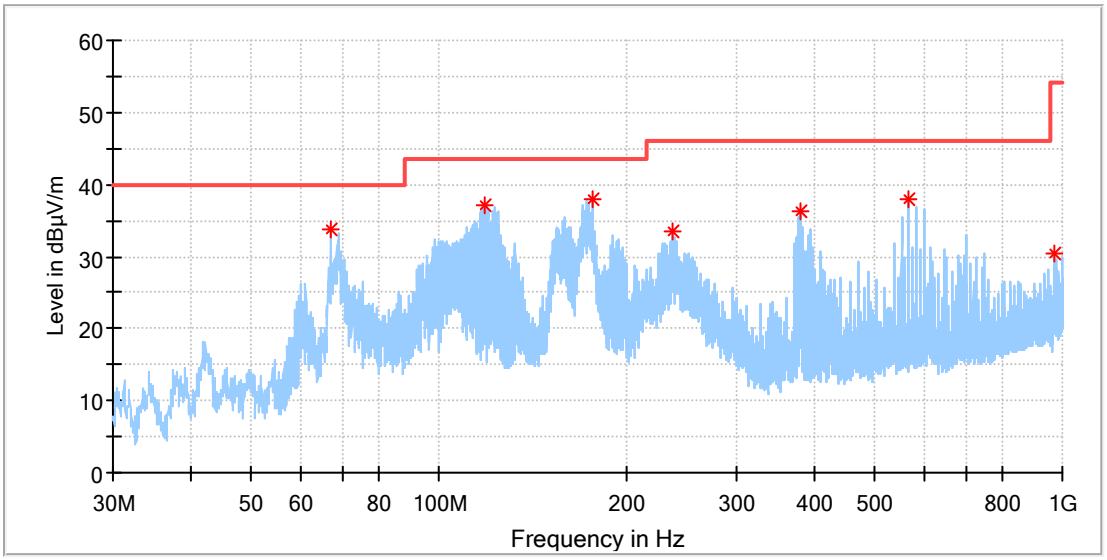
Appendix C.6: Test Results of Radiated Spurious Emissions

Note:
1) This testing was carried out on different modulations, but only the worst case was presented in this report.
2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

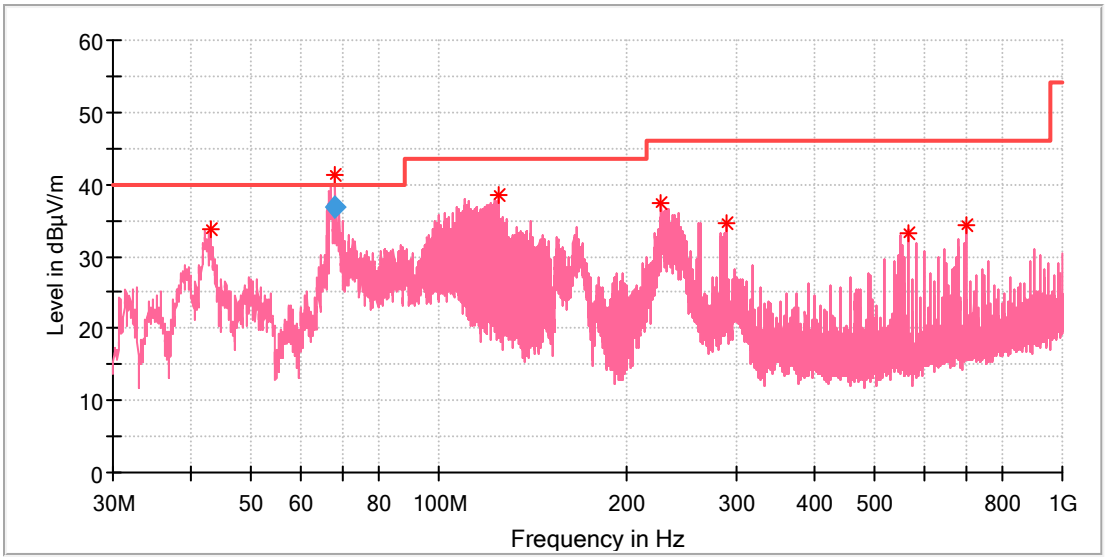
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
66.971923	33.80	40.00	6.20	100.0	H	106.0	-20.9
118.829615	37.14	43.50	6.36	100.0	H	77.0	-20.6
176.470000	37.93	43.50	5.57	100.0	H	47.0	-20.9
236.535385	33.36	46.00	12.64	100.0	H	0.0	-17.9
379.050769	36.26	46.00	9.74	100.0	H	14.0	-14.3
568.014231	38.07	46.00	7.93	100.0	H	117.0	-10.4
968.922692	30.45	54.00	23.55	100.0	H	117.0	-4.0

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
43.020385	33.79	40.00	6.21	100.0	V	236.0	-19.4
68.012884	41.25	40.00	-1.25	100.0	V	302.0	-21.4
124.761539	38.59	43.50	4.91	100.0	V	63.0	-21.4
227.581539	37.42	46.00	8.58	100.0	V	115.0	-18.3
289.624231	34.51	46.00	11.49	100.0	V	253.0	-16.5
568.051539	33.33	46.00	12.67	100.0	V	94.0	-10.4
700.046154	34.19	46.00	11.81	100.0	V	356.0	-7.9

Final_Result

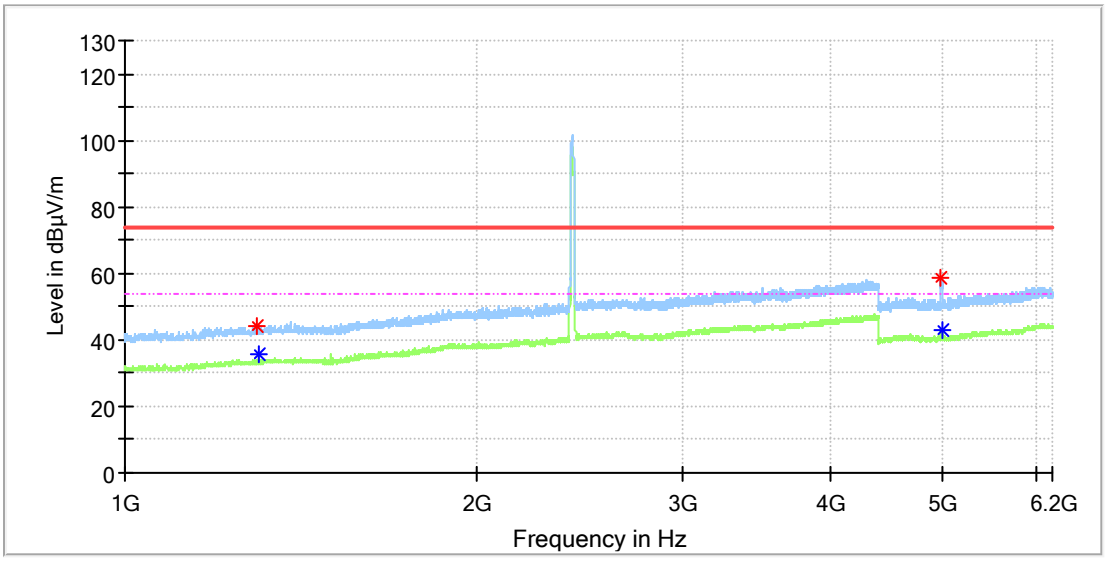
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
68.012884	36.70	40.00	3.30	100.0	V	302.0	-21.3

1GHz - 18GHz

Note: The highest waveform in the figure is Wi-Fi Fundamental.

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

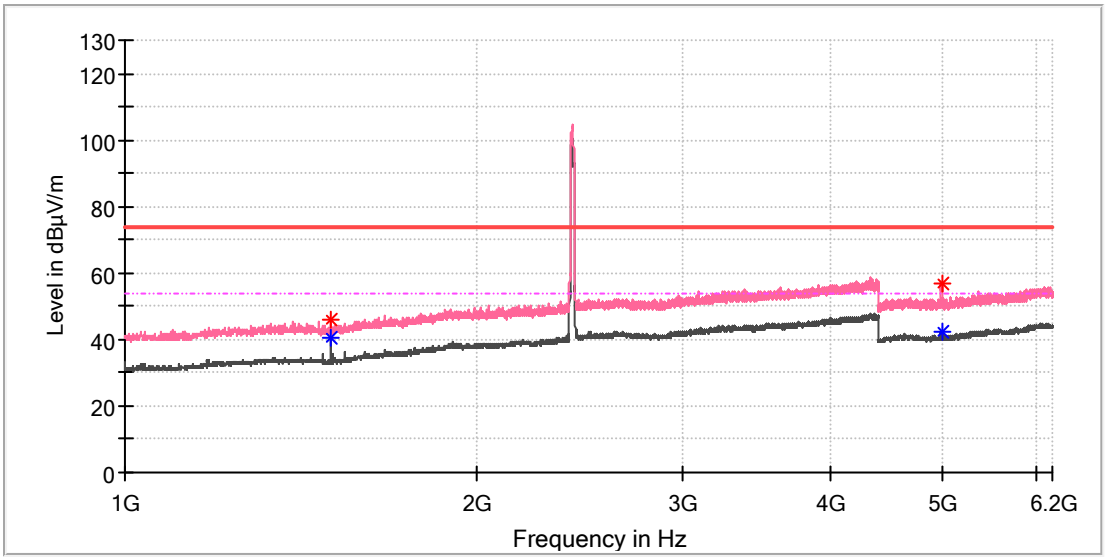
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1297.000000	44.30	---	74.00	29.70	150.0	H	316.0	2.7
1300.000000	---	35.55	54.00	18.45	150.0	H	172.0	2.8
4977.500000	58.47	---	74.00	15.53	150.0	H	226.0	13.3
4996.500000	---	42.90	54.00	11.10	150.0	H	220.0	13.3

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

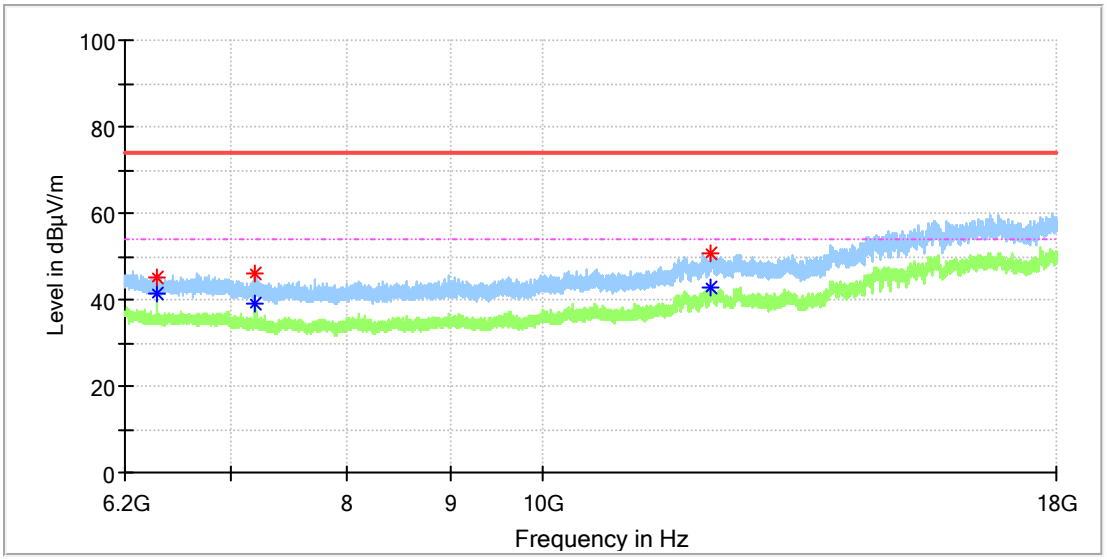
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1500.000000	---	40.42	54.00	13.58	150.0	V	7.0	2.5
1500.000000	45.98	---	74.00	28.02	150.0	V	7.0	2.5
4988.000000	57.03	---	74.00	16.97	150.0	V	0.0	13.3
4988.500000	---	42.34	54.00	11.66	150.0	V	353.0	13.3

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

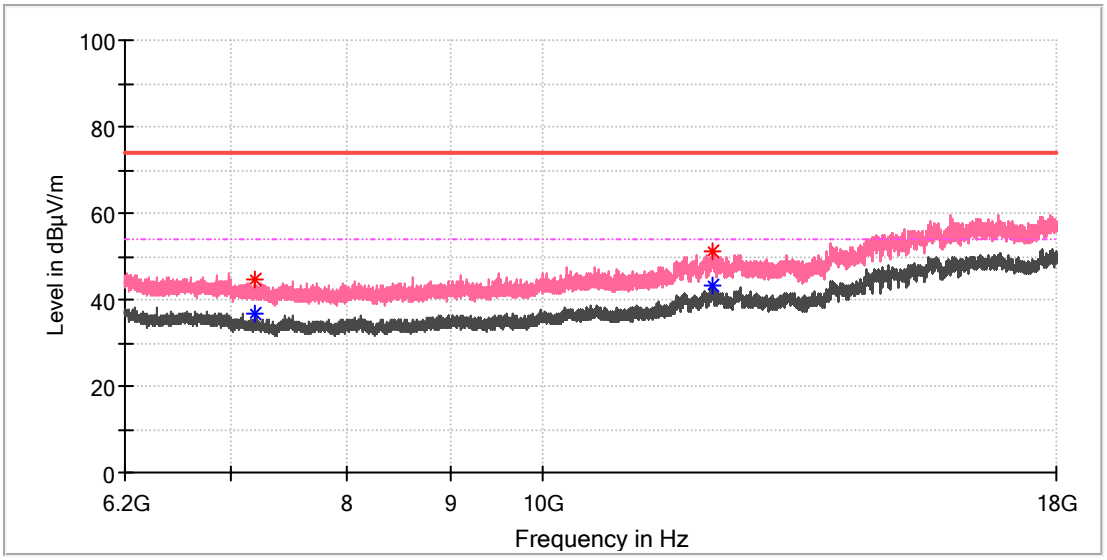
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6431.575000	45.30	---	74.00	28.70	150.0	H	207.0	8.8
6431.575000	---	41.59	54.00	12.41	150.0	H	207.0	8.8
7197.591667	45.89	---	74.00	28.11	150.0	H	101.0	8.8
7200.050000	---	39.20	54.00	14.80	150.0	H	101.0	8.8
12120.158333	---	42.79	54.00	11.21	150.0	H	90.0	16.0
12124.583333	50.86	---	74.00	23.14	150.0	H	305.0	16.1

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

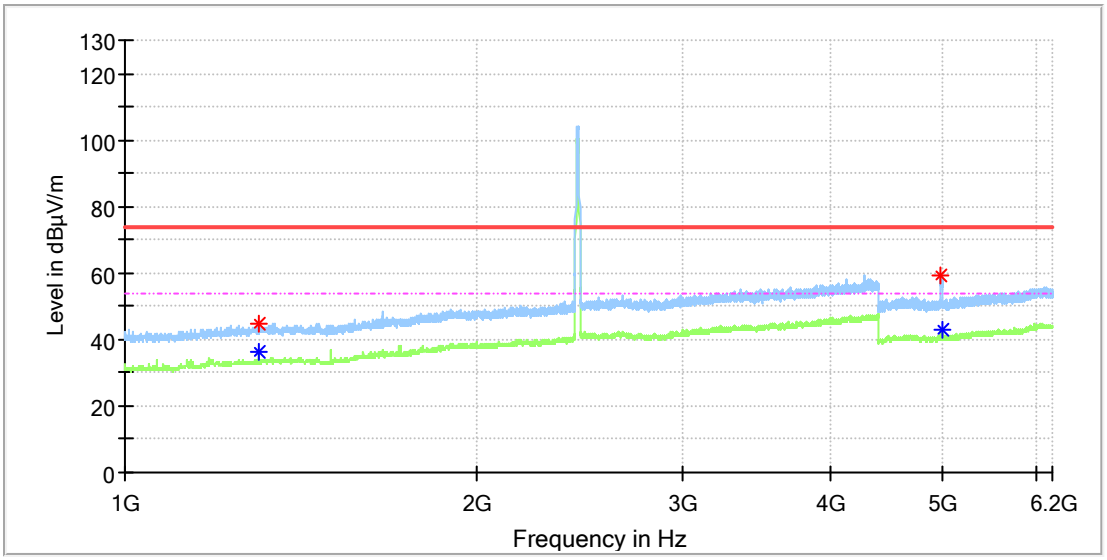
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7201.033333	44.47	---	74.00	29.53	150.0	V	35.0	8.8
7201.033333	---	36.93	54.00	17.07	150.0	V	35.0	8.8
12139.333333	51.17	---	74.00	22.83	150.0	V	258.0	16.5
12147.691667	---	43.03	54.00	10.97	150.0	V	258.0	16.7

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
1299.500000	---	36.17	54.00	17.83	150.0	H	44.0	2.7
1300.000000	44.45	---	74.00	29.55	150.0	H	29.0	2.8
4977.000000	59.07	---	74.00	14.93	150.0	H	195.0	13.3
4992.500000	---	42.88	54.00	11.12	150.0	H	227.0	13.3

Final_Result

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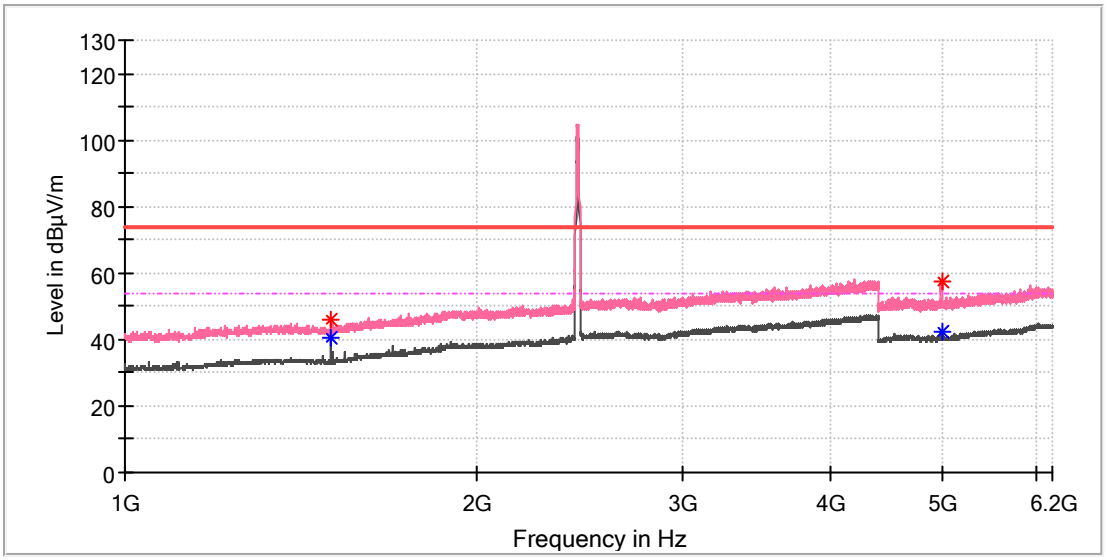
EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

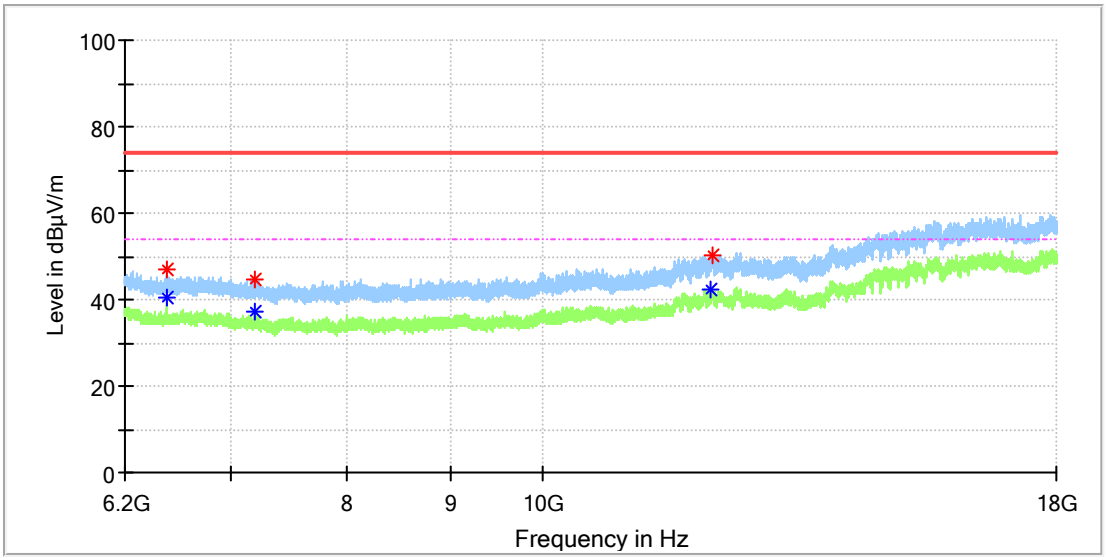
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1500.000000	46.11	---	74.00	27.89	150.0	V	356.0	2.5
1500.000000	---	40.44	54.00	13.56	150.0	V	356.0	2.5
4996.500000	57.18	---	74.00	16.82	150.0	V	192.0	13.3
4996.500000	---	42.50	54.00	11.50	150.0	V	192.0	13.3

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

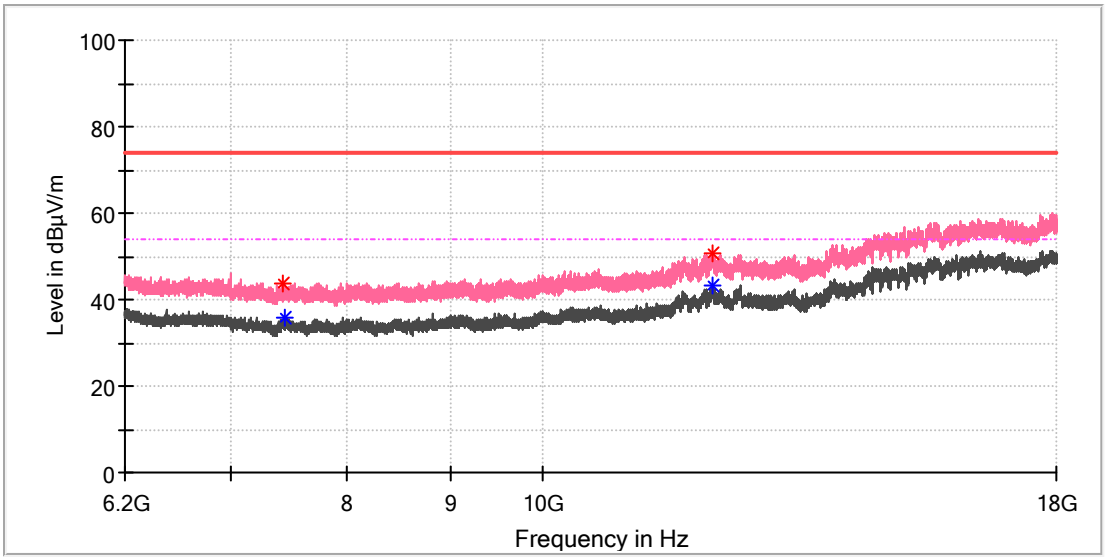
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6498.441667	---	40.63	54.00	13.37	150.0	H	354.0	8.8
6498.933333	47.04	---	74.00	26.96	150.0	H	354.0	8.8
7196.608333	44.55	---	74.00	29.45	150.0	H	87.0	8.8
7198.575000	---	37.37	54.00	16.63	150.0	H	87.0	8.8
12130.483333	---	42.47	54.00	11.53	150.0	H	246.0	16.2
12136.875000	50.21	---	74.00	23.79	150.0	H	311.0	16.4

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

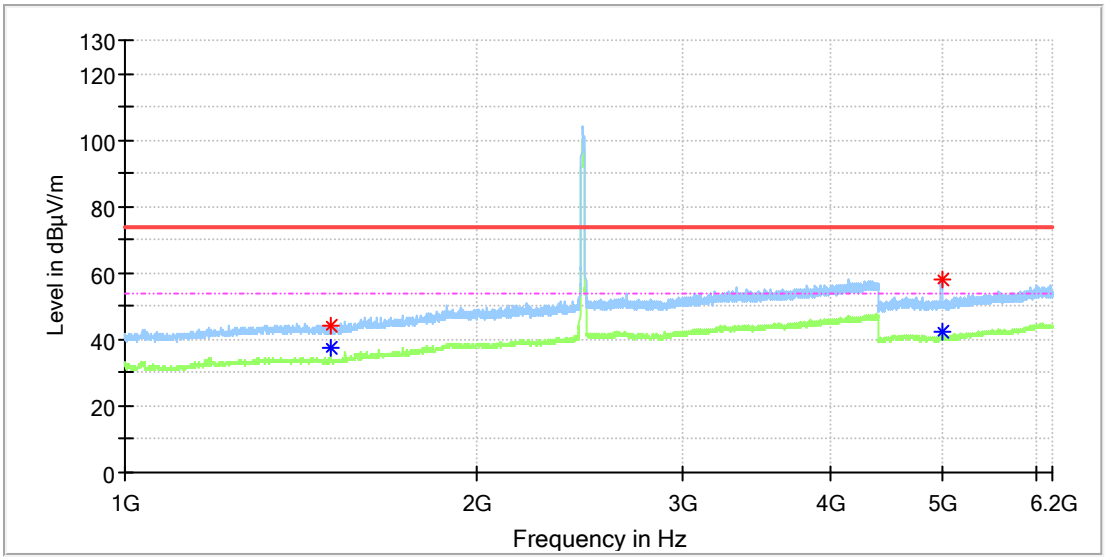
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7433.591667	43.73	---	74.00	30.27	150.0	V	201.0	8.4
7442.441667	---	35.86	54.00	18.14	150.0	V	0.0	8.4
12143.758333	---	43.12	54.00	10.88	150.0	V	0.0	16.6
12148.183333	50.80	---	74.00	23.20	150.0	V	60.0	16.7

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

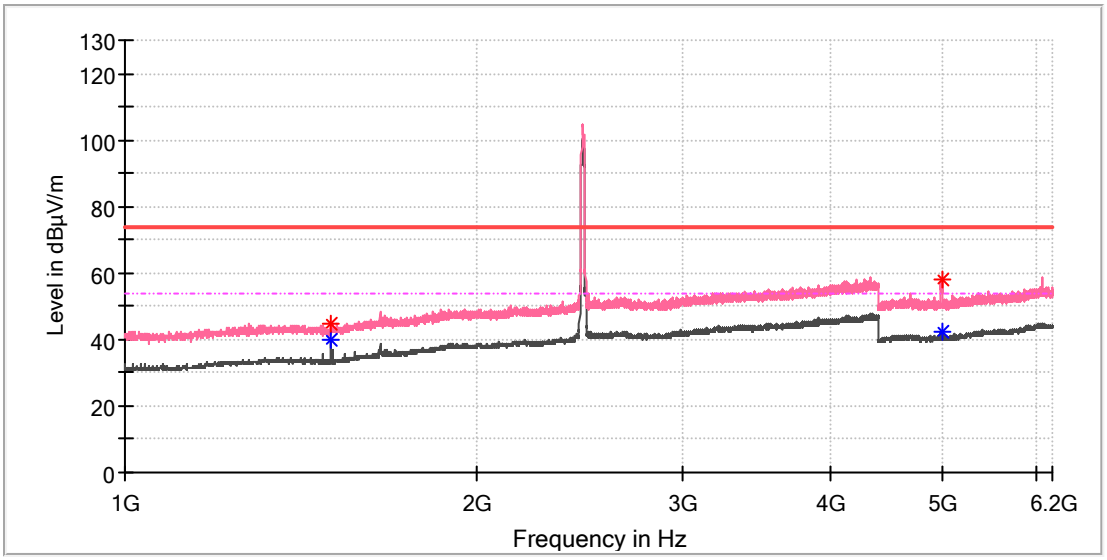
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1500.000000	---	37.42	54.00	16.58	150.0	H	54.0	2.5
1500.500000	44.22	---	74.00	29.78	150.0	H	95.0	2.5
4987.500000	---	42.62	54.00	11.38	150.0	H	227.0	13.3
4992.000000	58.33	---	74.00	15.67	150.0	H	227.0	13.3

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

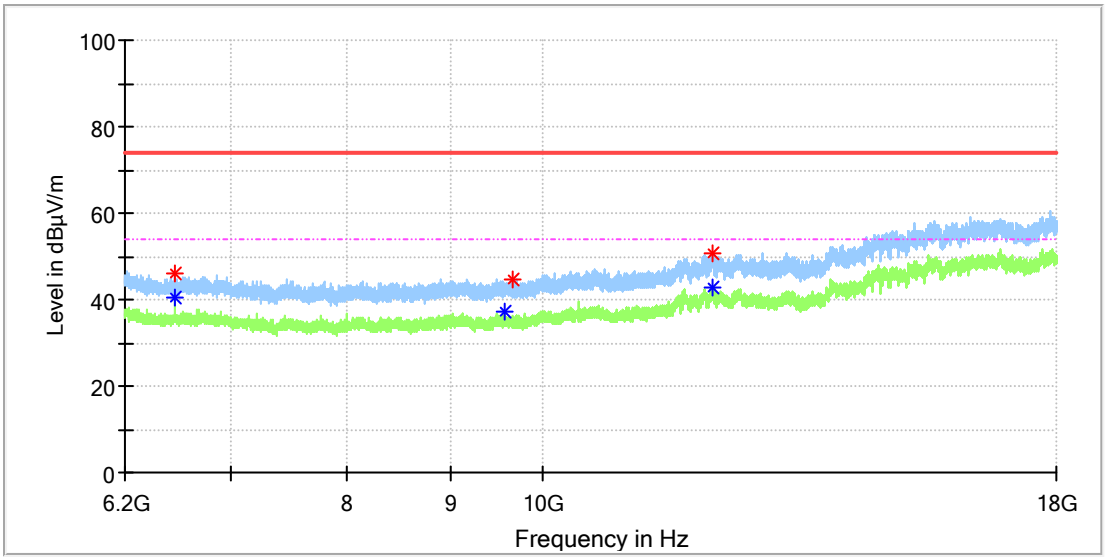
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1500.000000	44.75	---	74.00	29.25	150.0	V	0.0	2.5
1500.000000	---	40.06	54.00	13.94	150.0	V	0.0	2.5
4994.500000	---	42.47	54.00	11.53	150.0	V	358.0	13.3
5000.000000	57.77	---	74.00	16.23	150.0	V	358.0	13.3

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

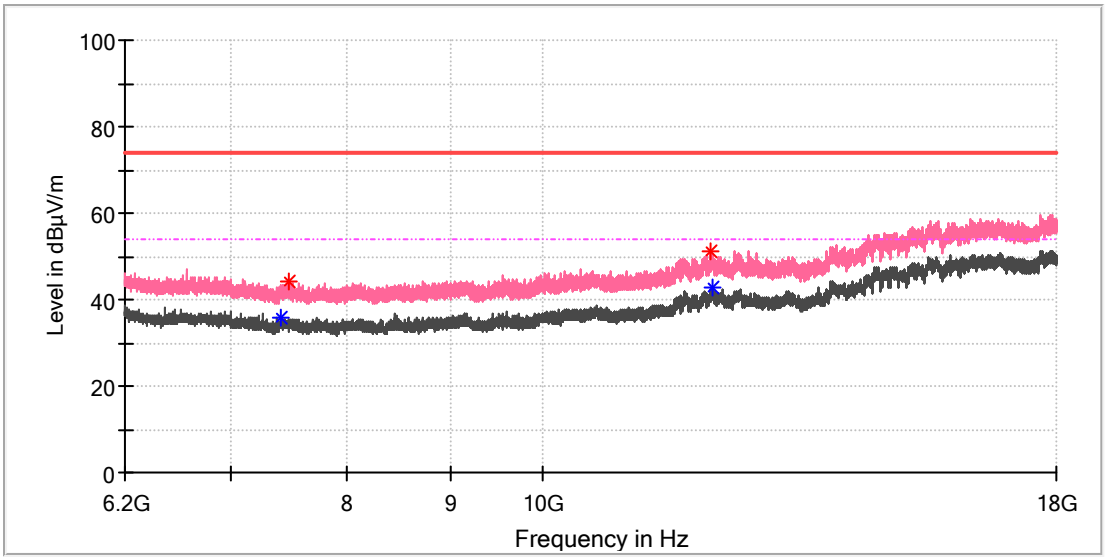
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6565.308333	46.11	---	74.00	27.89	150.0	H	356.0	8.7
6565.308333	---	40.48	54.00	13.52	150.0	H	356.0	8.7
9572.341667	---	37.15	54.00	16.85	150.0	H	31.0	10.3
9665.266667	44.63	---	74.00	29.37	150.0	H	202.0	10.4
12152.116667	50.77	---	74.00	23.23	150.0	H	224.0	16.6
12155.558333	---	42.68	54.00	11.32	150.0	H	268.0	16.4

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

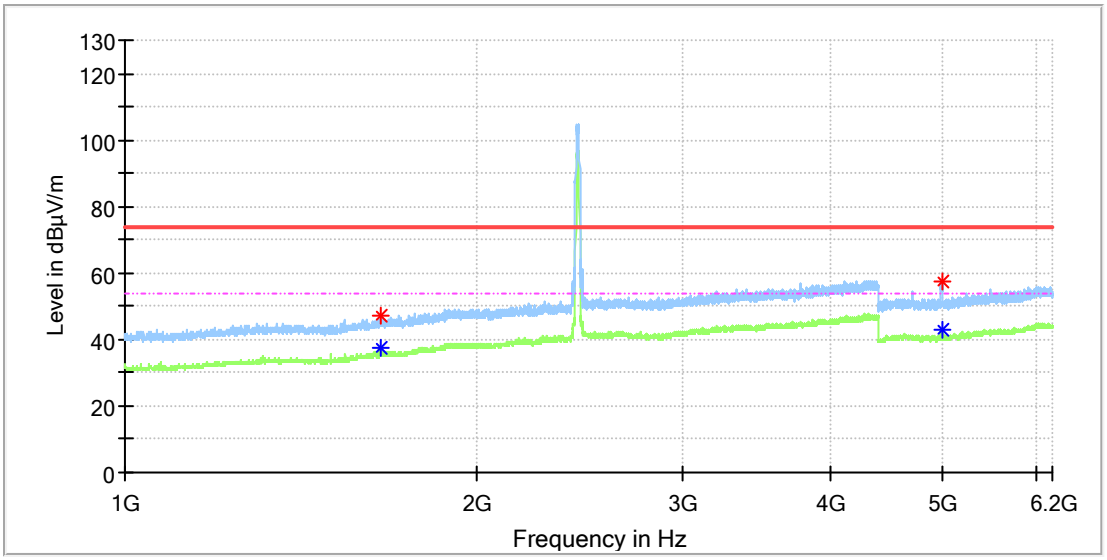
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7411.958333	---	35.78	54.00	18.22	150.0	V	319.0	8.3
7483.250000	44.03	---	74.00	29.97	150.0	V	220.0	8.7
12124.091667	51.04	---	74.00	22.96	150.0	V	148.0	16.1
12147.691667	---	42.63	54.00	11.37	150.0	V	126.0	16.7

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

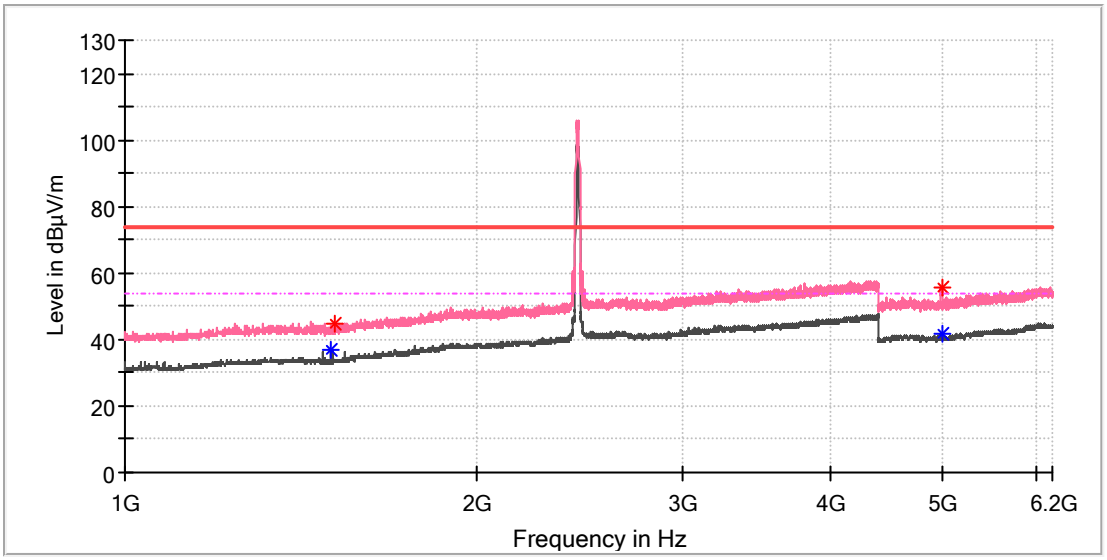
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1655.500000	---	37.53	54.00	16.47	150.0	H	129.0	4.3
1656.000000	47.10	---	74.00	26.90	150.0	H	81.0	4.3
4993.000000	57.51	---	74.00	16.49	150.0	H	222.0	13.3
4996.000000	---	42.63	54.00	11.37	150.0	H	222.0	13.3

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

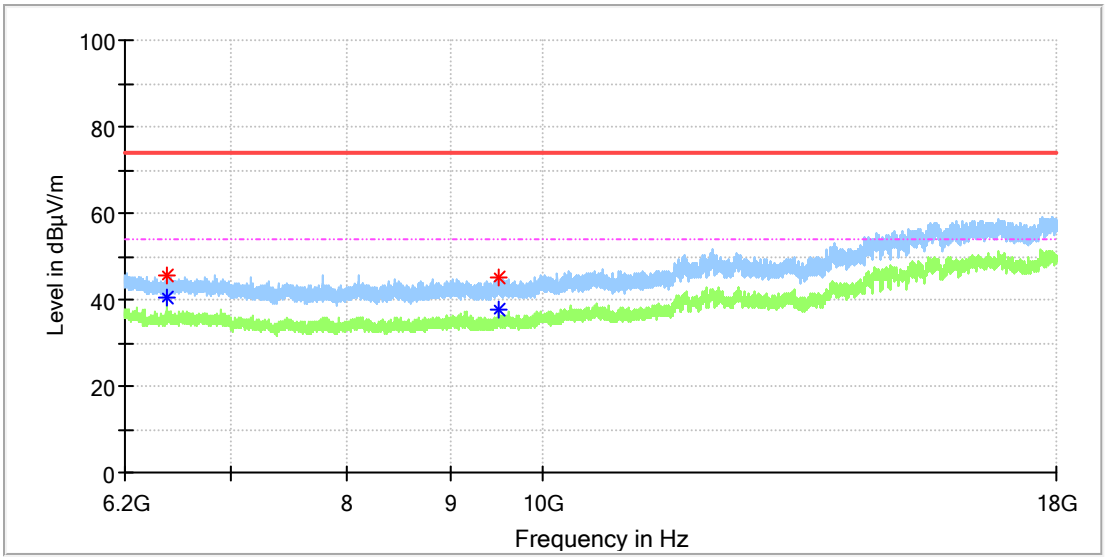
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1500.000000	---	36.77	54.00	17.23	150.0	V	35.0	2.5
1510.500000	44.85	---	74.00	29.15	150.0	V	114.0	2.7
4990.000000	---	41.97	54.00	12.03	150.0	V	29.0	13.3
4995.000000	55.66	---	74.00	18.34	150.0	V	2.0	13.3

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

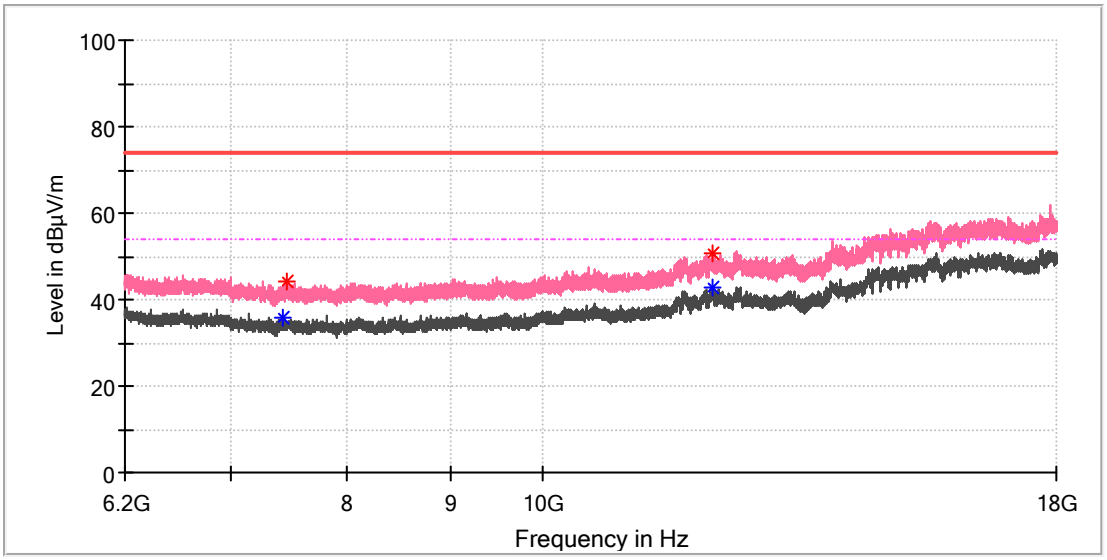
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6498.441667	---	40.31	54.00	13.69	150.0	H	211.0	8.8
6498.933333	45.49	---	74.00	28.51	150.0	H	321.0	8.8
9500.066667	45.04	---	74.00	28.96	150.0	H	359.0	9.9
9500.066667	---	37.71	54.00	16.29	150.0	H	359.0	9.9

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11g_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

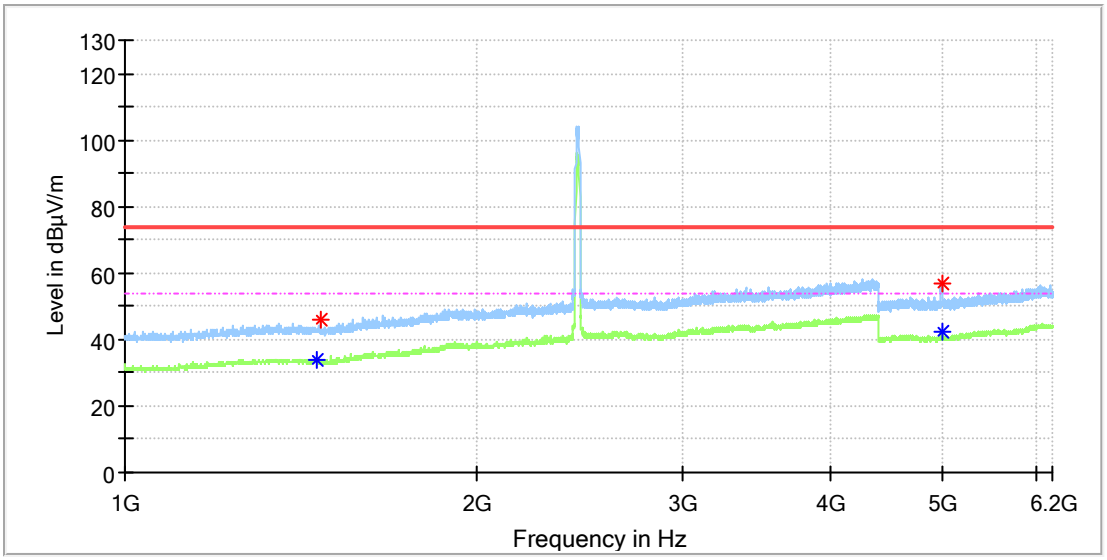
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7428.675000	---	35.99	54.00	18.01	150.0	V	127.0	8.4
7468.500000	43.96	---	74.00	30.04	150.0	V	140.0	8.6
12140.316667	50.64	---	74.00	23.36	150.0	V	0.0	16.5
12140.808333	---	42.80	54.00	11.20	150.0	V	315.0	16.5

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

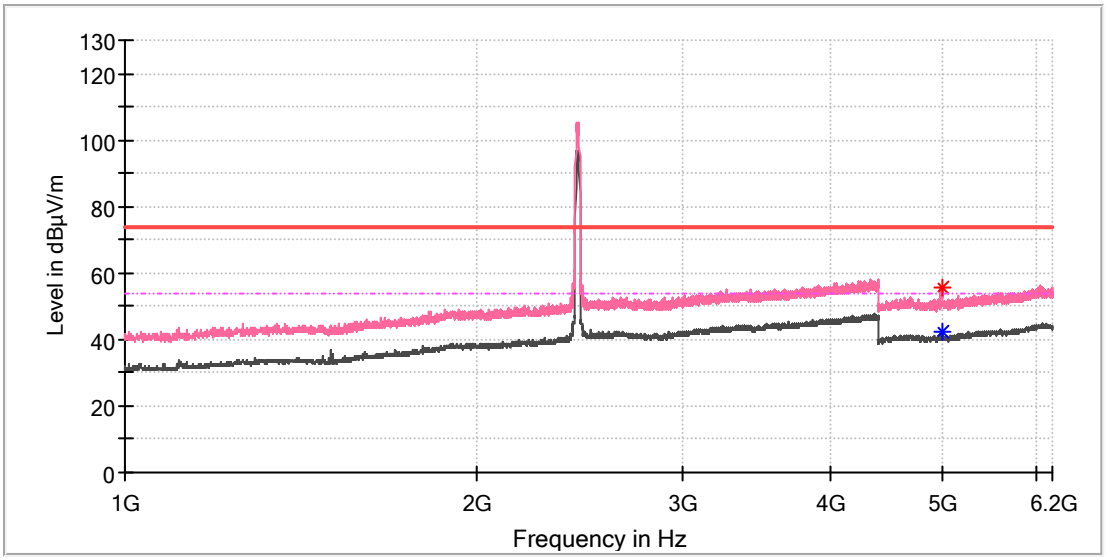
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1459.000000	---	34.14	54.00	19.86	150.0	H	303.0	2.7
1471.000000	45.75	---	74.00	28.25	150.0	H	223.0	2.6
4998.000000	57.00	---	74.00	17.00	150.0	H	226.0	13.3
4999.000000	---	42.35	54.00	11.65	150.0	H	226.0	13.3

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

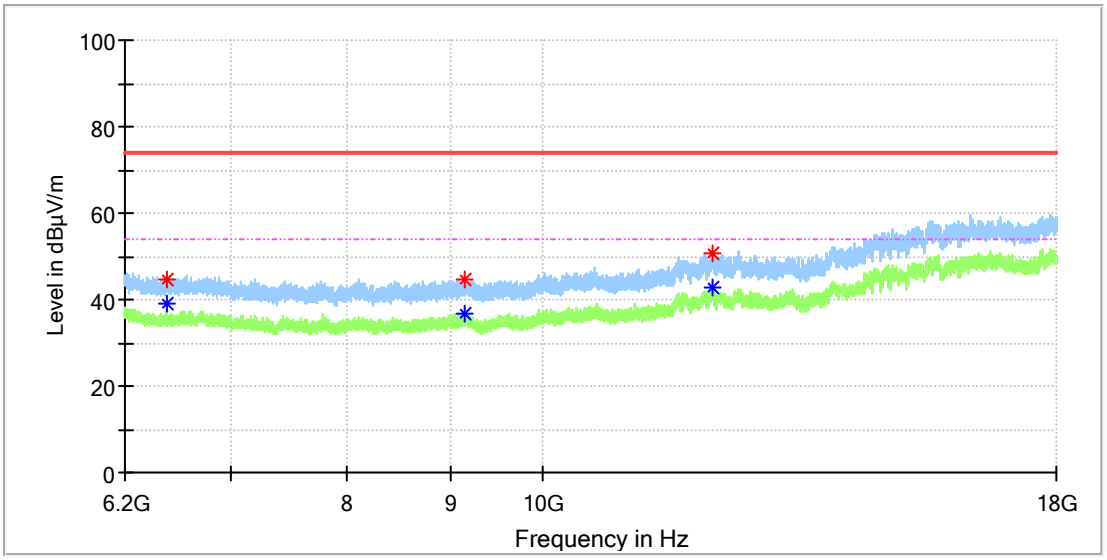
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4989.500000	55.37	---	74.00	18.63	150.0	V	359.0	13.3
4995.500000	---	42.43	54.00	11.57	150.0	V	0.0	13.3

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

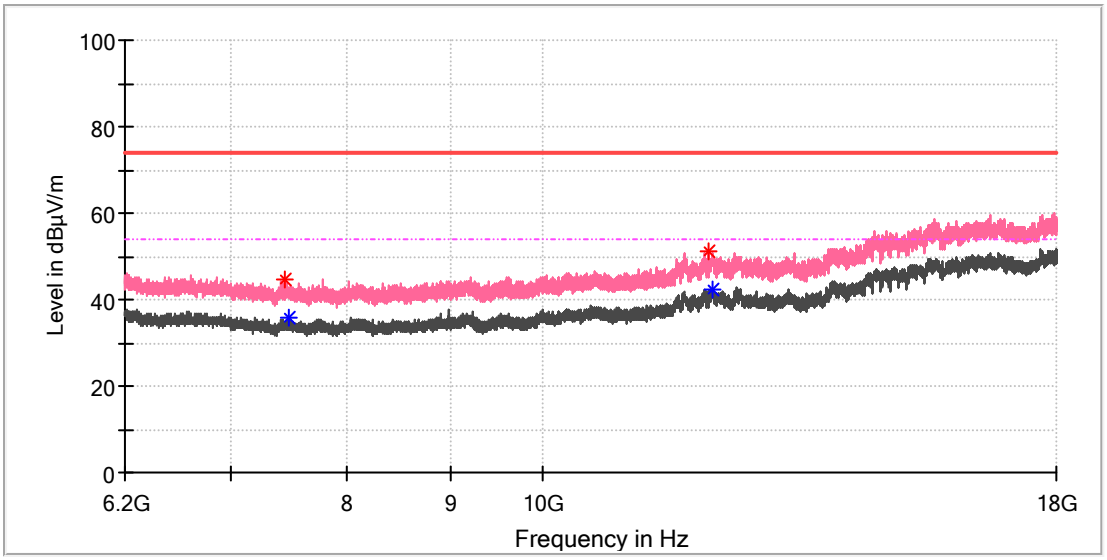
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6498.441667	---	39.08	54.00	14.92	150.0	H	186.0	8.8
6509.750000	44.65	---	74.00	29.35	150.0	H	19.0	8.8
9148.525000	44.70	---	74.00	29.30	150.0	H	42.0	10.4
9152.458333	---	36.59	54.00	17.41	150.0	H	107.0	10.4
12142.283333	50.89	---	74.00	23.11	150.0	H	1.0	16.5
12145.233333	---	42.67	54.00	11.33	150.0	H	119.0	16.6

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

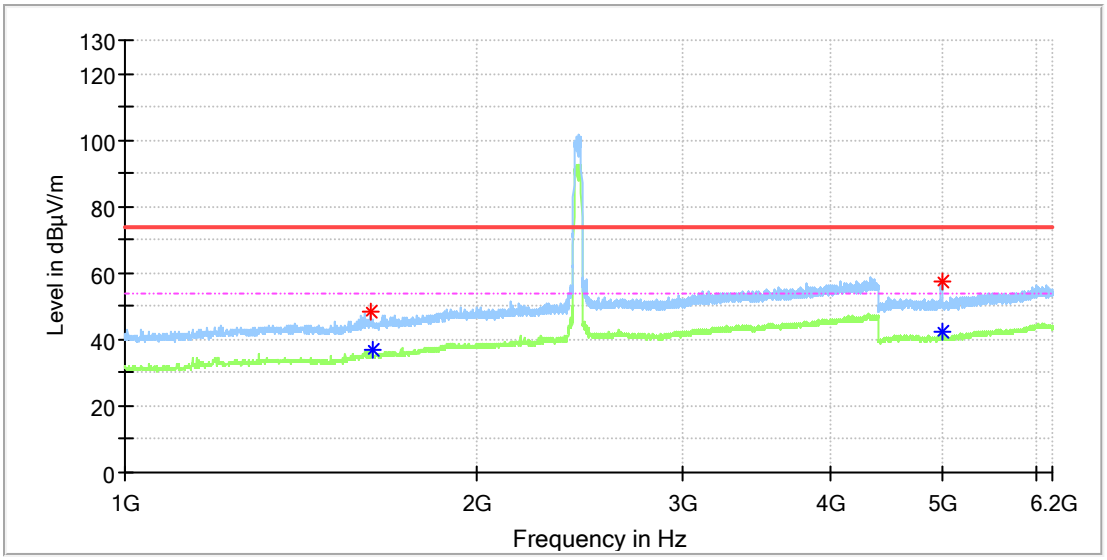
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7441.950000	44.81	---	74.00	29.19	150.0	V	355.0	8.4
7480.300000	---	35.99	54.00	18.01	150.0	V	217.0	8.7
12098.525000	51.26	---	74.00	22.74	150.0	V	127.0	15.4
12143.758333	---	42.37	54.00	11.63	150.0	V	79.0	16.6

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

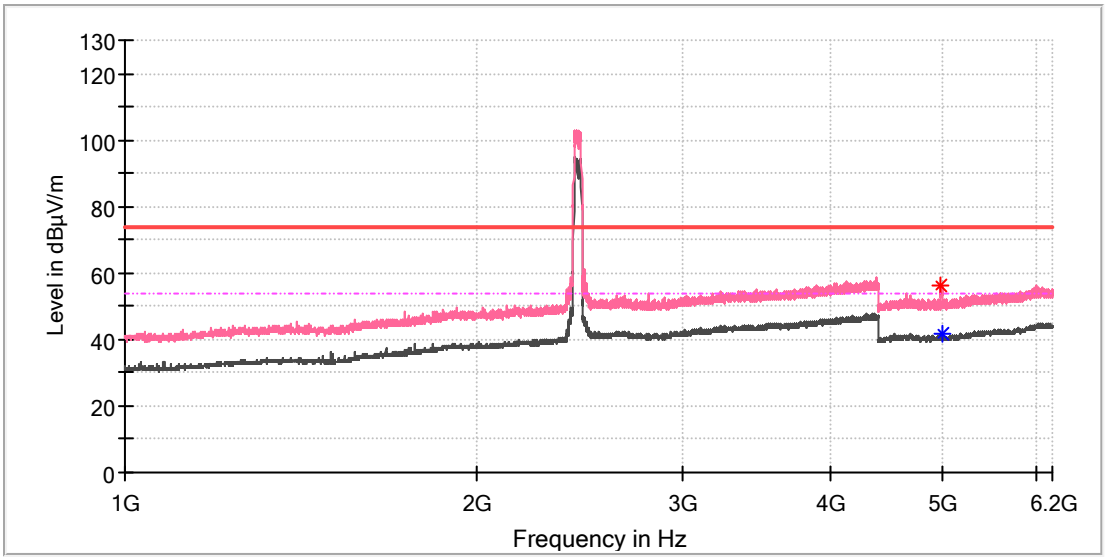
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1620.500000	48.17	---	74.00	25.83	150.0	H	71.0	4.1
1627.000000	---	36.91	54.00	17.09	150.0	H	120.0	4.1
4987.000000	57.62	---	74.00	16.38	150.0	H	189.0	13.3
4995.500000	---	42.60	54.00	11.40	150.0	H	189.0	13.3

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

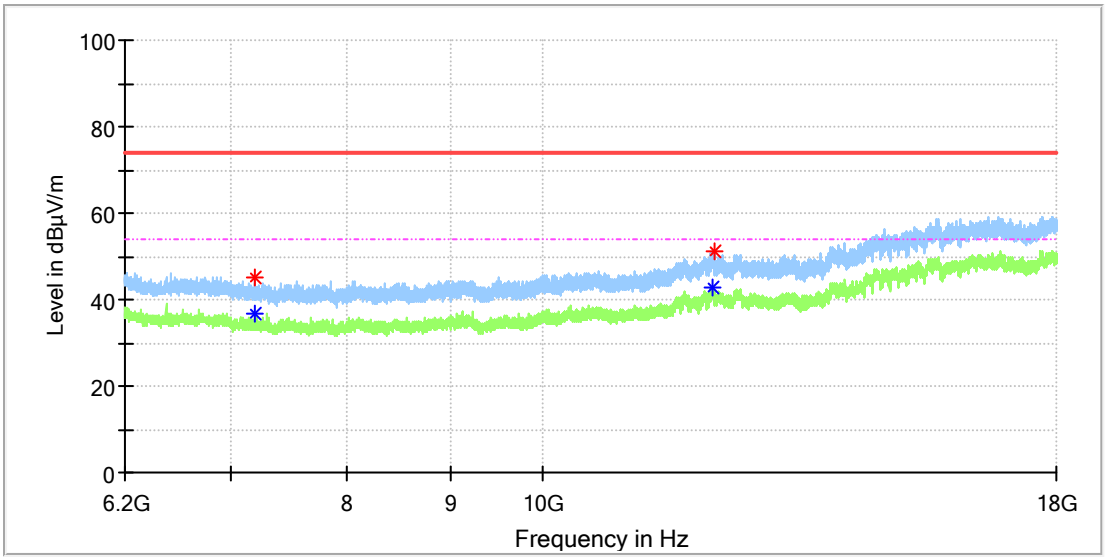
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4980.500000	56.17	---	74.00	17.83	150.0	V	0.0	13.3
4996.500000	---	41.67	54.00	12.33	150.0	V	355.0	13.3

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

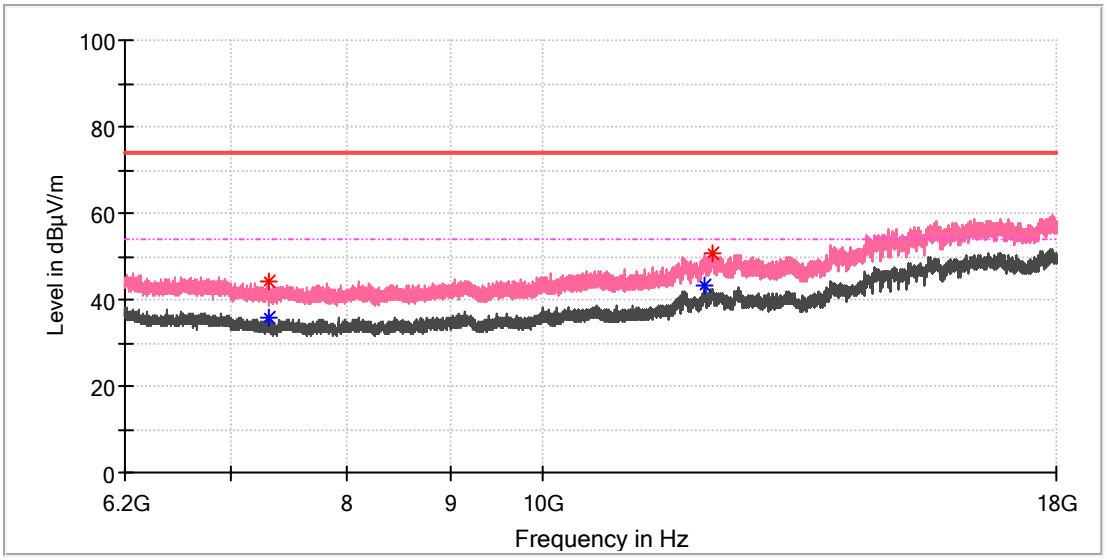
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7198.575000	45.04	---	74.00	28.97	150.0	H	86.0	8.8
7200.050000	---	36.81	54.00	17.19	150.0	H	352.0	8.8
12139.333333	---	42.95	54.00	11.05	150.0	H	112.0	16.5
12164.408333	51.13	---	74.00	22.87	150.0	H	0.0	16.0

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
7301.825000	44.06	---	74.00	29.94	150.0	V	315.0	8.3
7301.825000	---	35.98	54.00	18.02	150.0	V	315.0	8.3
12048.866667	---	43.10	54.00	10.90	150.0	V	0.0	16.4
12150.641667	50.81	---	74.00	23.20	150.0	V	225.0	16.7

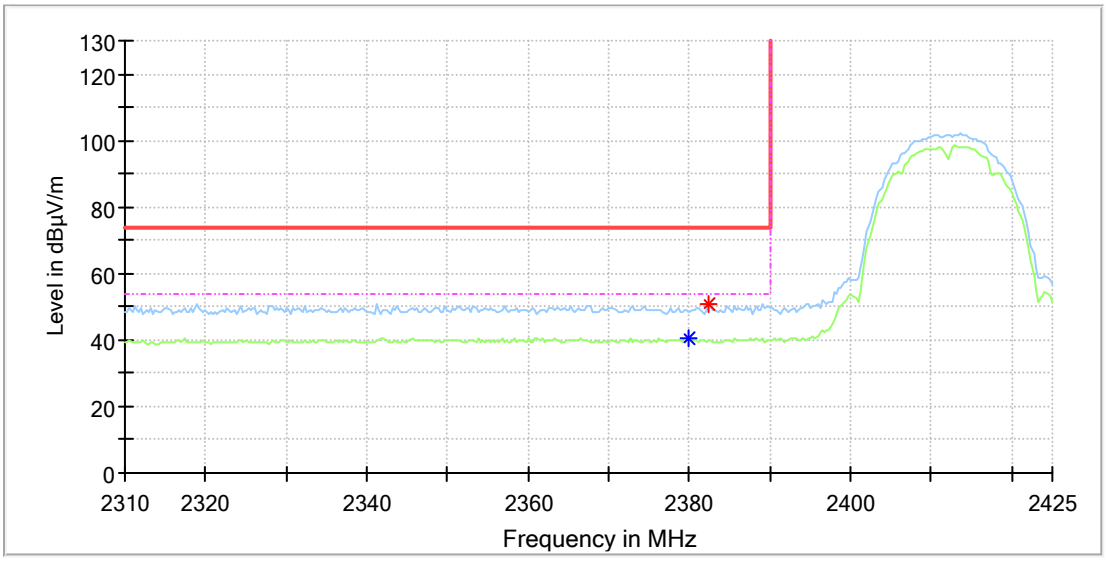
Final_Result

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

Appendix C.7: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

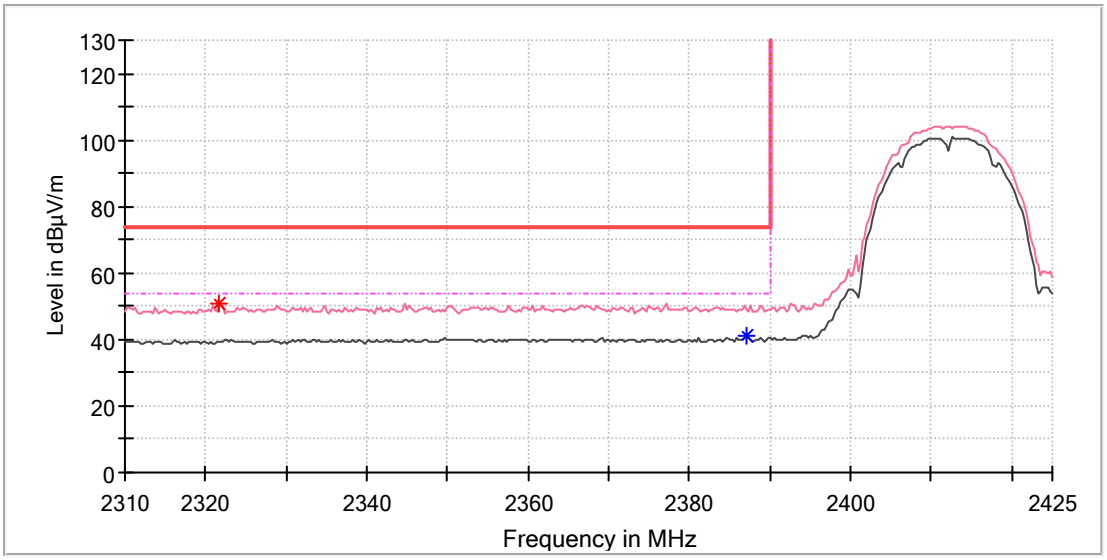
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2380.000000	---	40.80	54.00	13.20	150.0	H	208.0	8.5
2382.352941	51.05	---	74.00	22.95	150.0	H	0.0	8.5

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

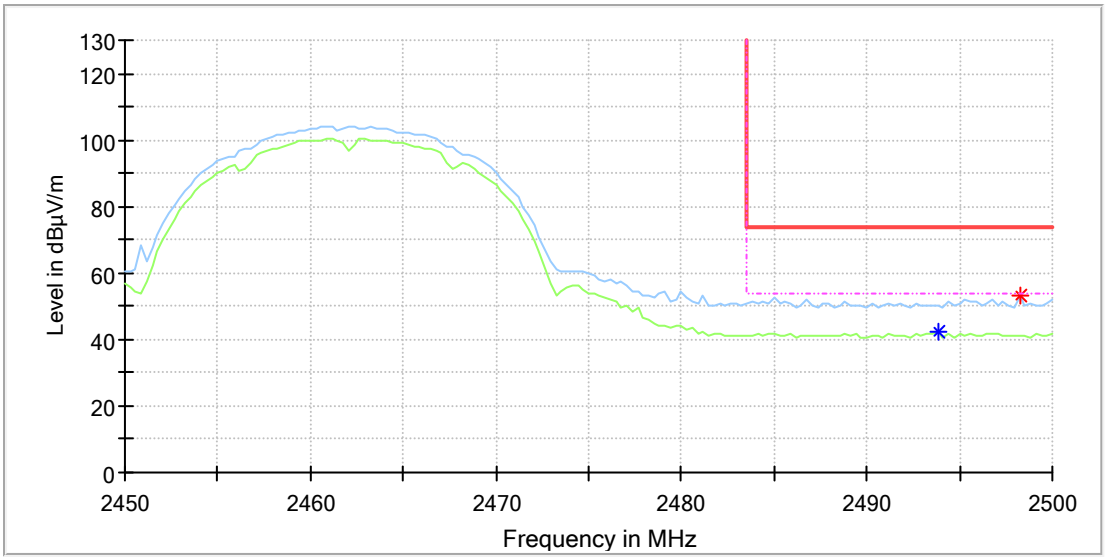
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2321.764706	50.81	---	74.00	23.19	150.0	V	172.0	8.2
2387.058824	---	40.84	54.00	13.16	150.0	V	193.0	8.5

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

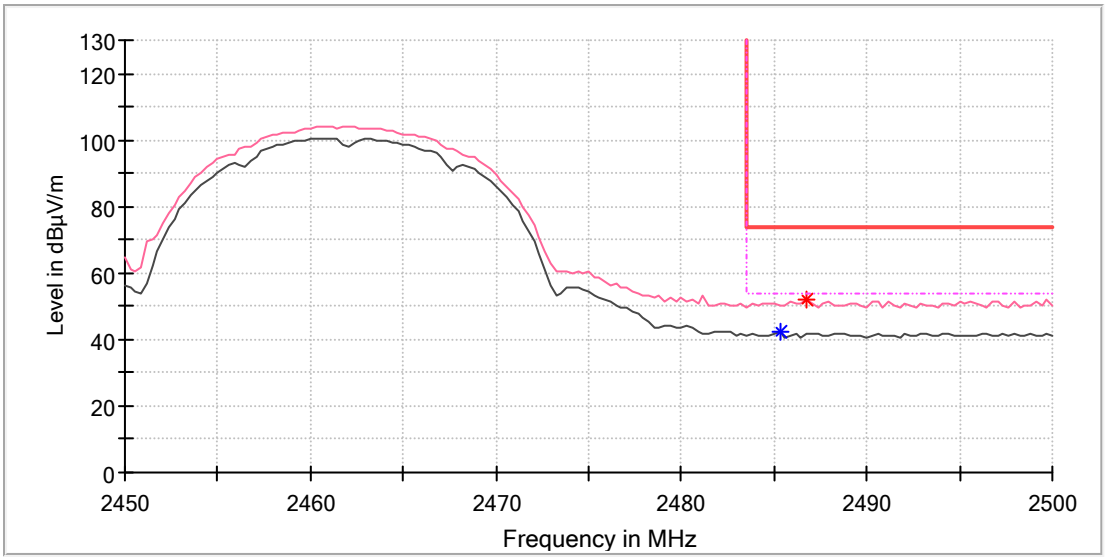
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2493.823529	---	42.04	54.00	11.96	150.0	H	320.0	9.0
2498.235294	52.93	---	74.00	21.07	150.0	H	281.0	9.0

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

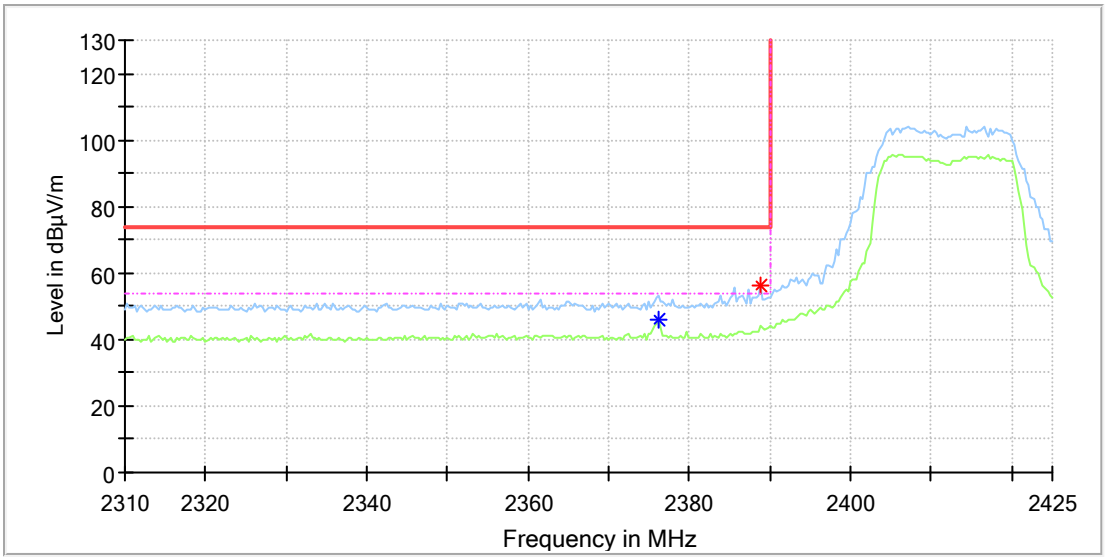
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.294118	---	42.15	54.00	11.85	150.0	V	192.0	9.0
2486.764706	51.92	---	74.00	22.08	150.0	V	154.0	9.0

Final_Result

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

EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
2376.176471	---	45.70	54.00	8.30	150.0	H	286.0	8.5
2388.823529	56.41	---	74.00	17.59	150.0	H	176.0	8.5

Final_Result

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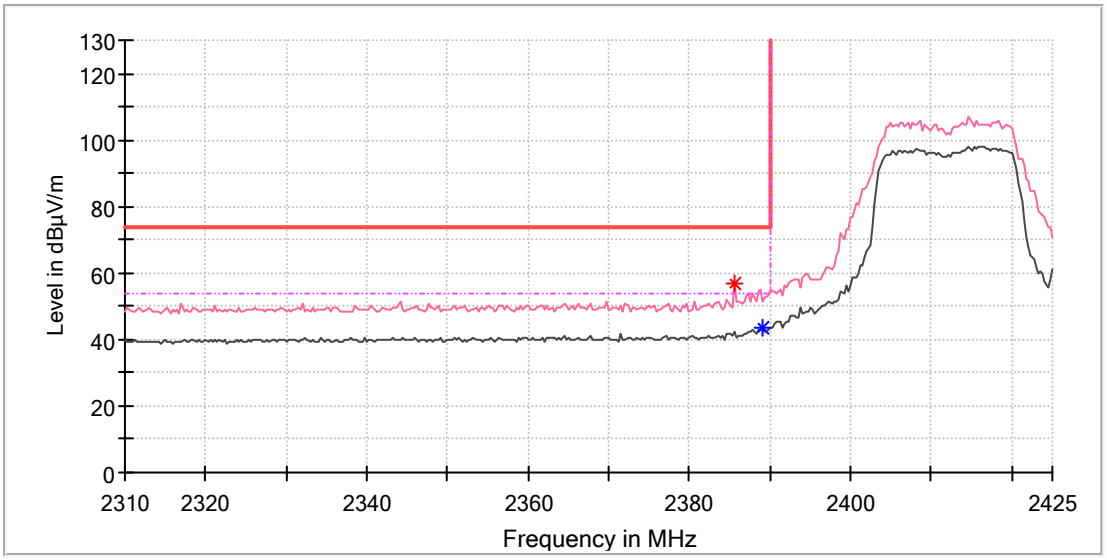
EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
2385.588235	56.64	---	74.00	17.36	150.0	V	189.0	8.5
2389.117647	---	43.32	54.00	10.68	150.0	V	195.0	8.5

Final_Result

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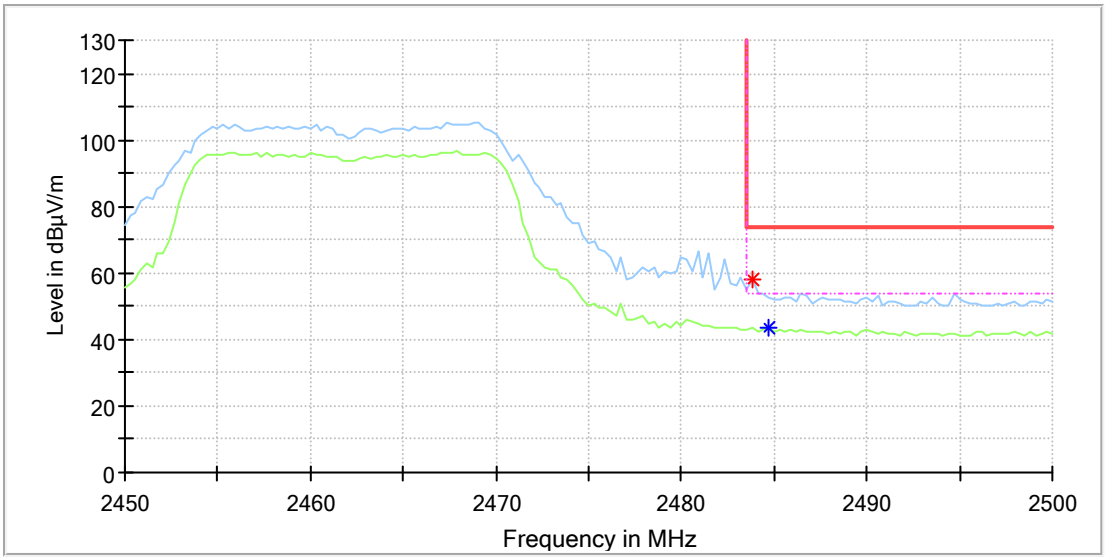
EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
2483.823529	58.28	---	74.00	15.72	150.0	H	323.0	9.0
2484.705882	---	43.39	54.00	10.61	150.0	H	353.0	9.0

Final_Result

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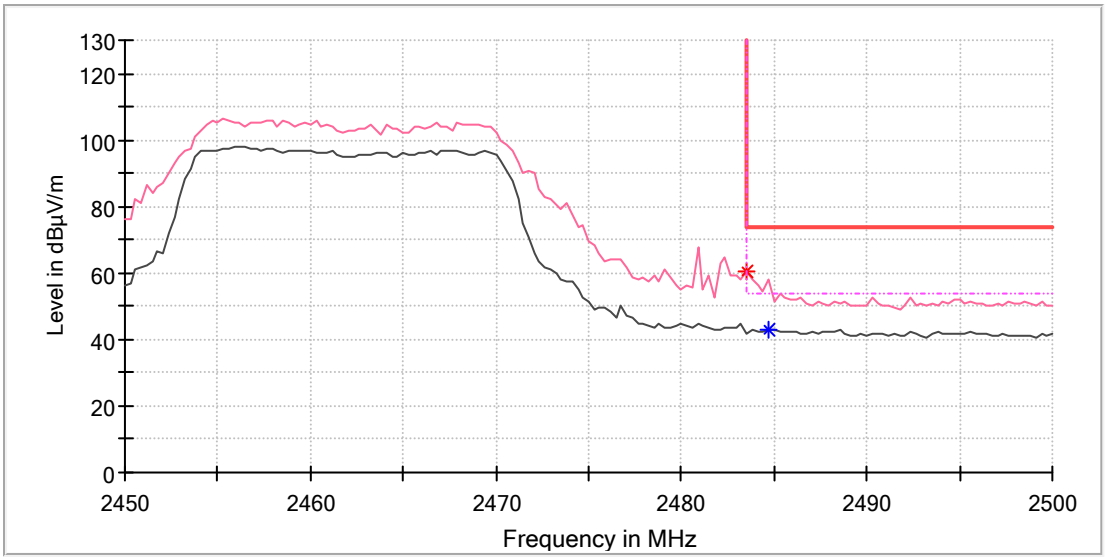
EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
2483.529412	60.24	---	74.00	13.76	150.0	V	184.0	9.0
2484.705882	---	43.16	54.00	10.84	150.0	V	189.0	9.0

Final_Result

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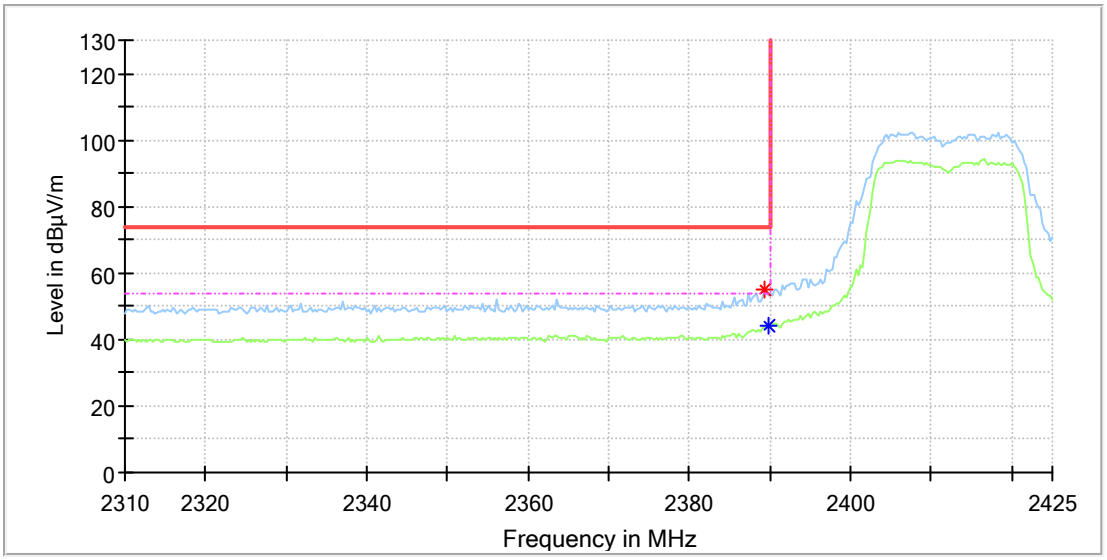
EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
2389.411765	54.82	---	74.00	19.18	150.0	H	178.0	8.5
2389.705882	---	44.38	54.00	9.62	150.0	H	193.0	8.5

Final_Result

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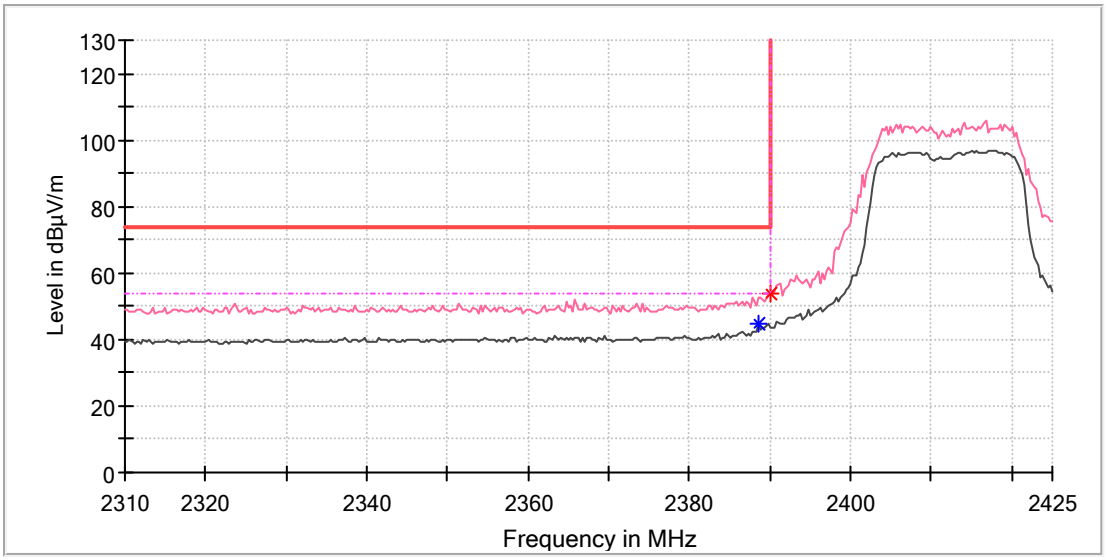
EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
2388.529412	---	44.55	54.00	9.45	150.0	V	184.0	8.5
2390.000000	53.85	---	74.00	20.15	150.0	V	184.0	8.5

Final_Result

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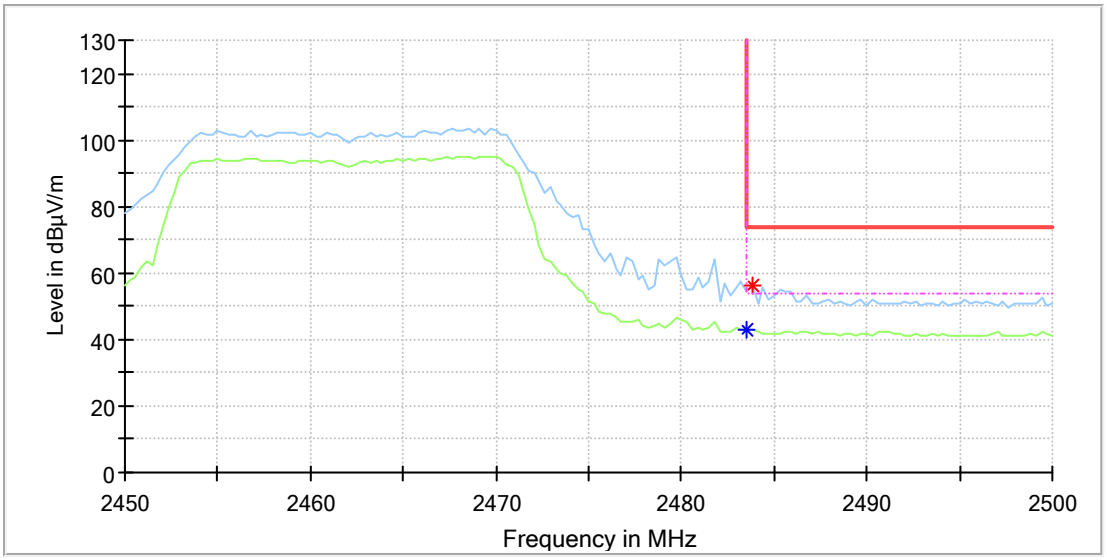
EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n20_Ch11
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
2483.529412	---	43.00	54.00	11.00	150.0	H	322.0	9.0
2483.823529	56.26	---	74.00	17.74	150.0	H	271.0	9.0

Final_Result

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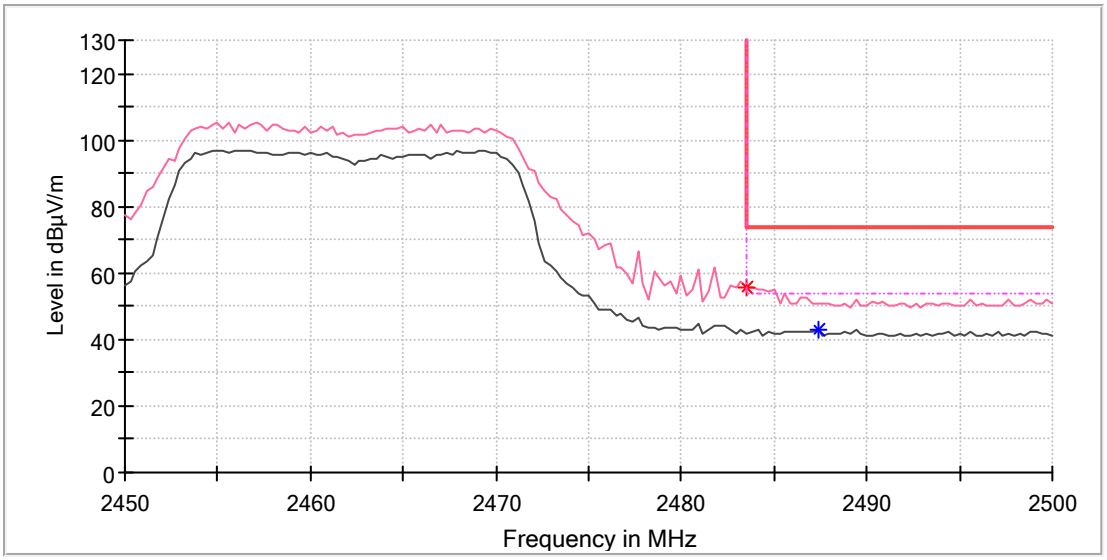
EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n20_Ch11
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
2483.529412	55.93	---	74.00	18.07	150.0	V	162.0	9.0
2487.352941	---	42.92	54.00	11.08	150.0	V	183.0	9.0

Final_Result

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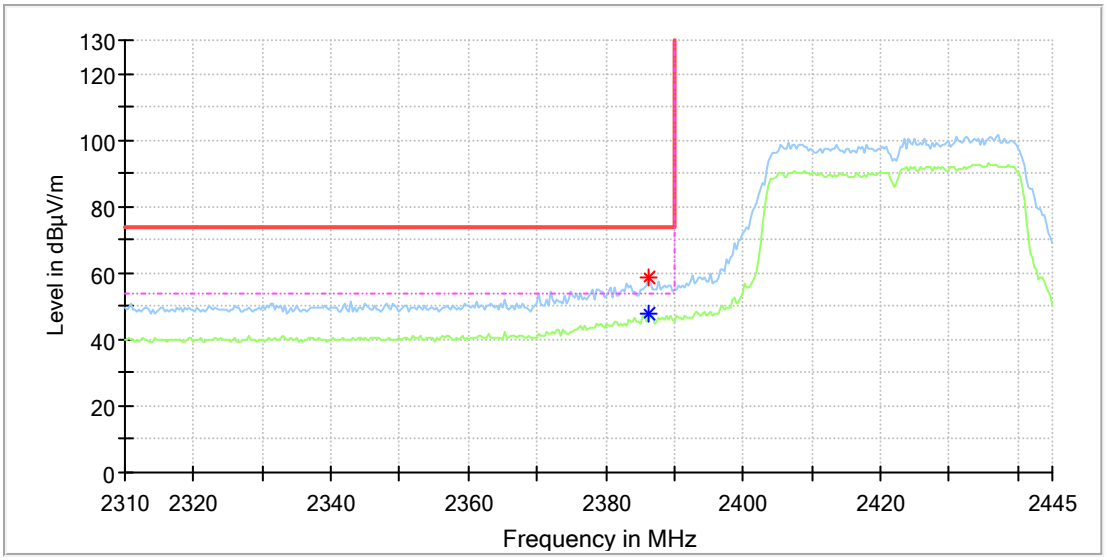
EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
2386.176471	---	48.02	54.00	5.98	150.0	H	184.0	8.5
2386.176471	58.46	---	74.00	15.54	150.0	H	184.0	8.5

Final_Result

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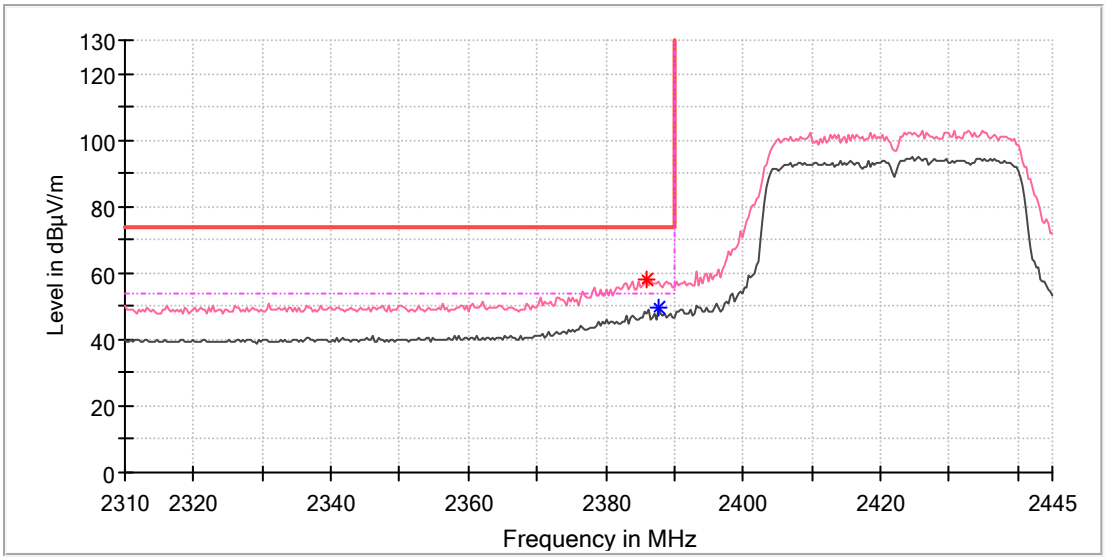
EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
2385.882353	58.20	---	74.00	15.80	150.0	V	204.0	8.5
2387.647059	---	49.60	54.00	4.40	150.0	V	182.0	8.5

Final_Result

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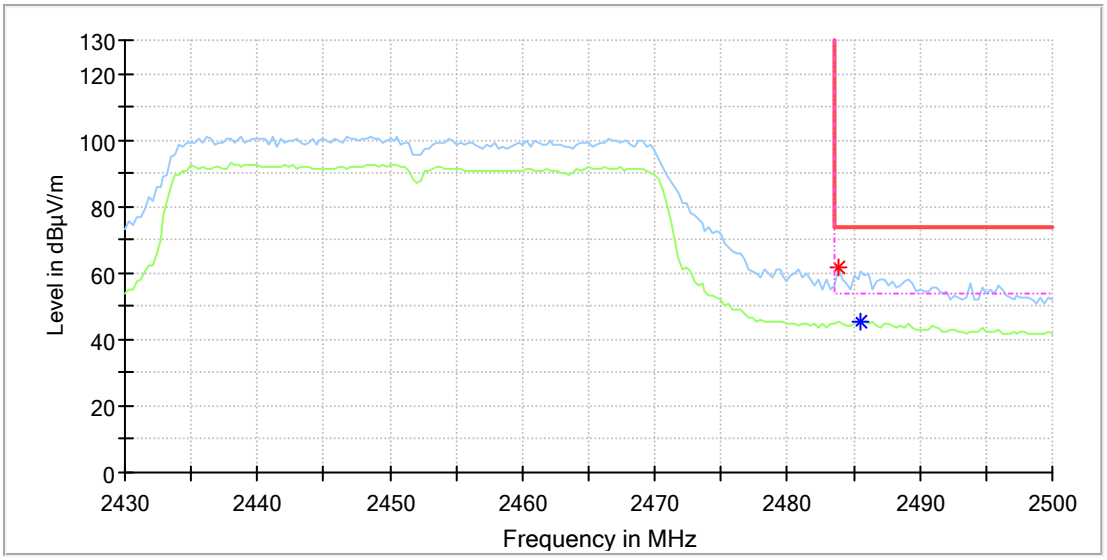
EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n40_Ch9
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
2483.823529	61.39	---	74.00	12.61	150.0	H	325.0	9.0
2485.588235	---	45.44	54.00	8.56	150.0	H	325.0	9.0

Final_Result

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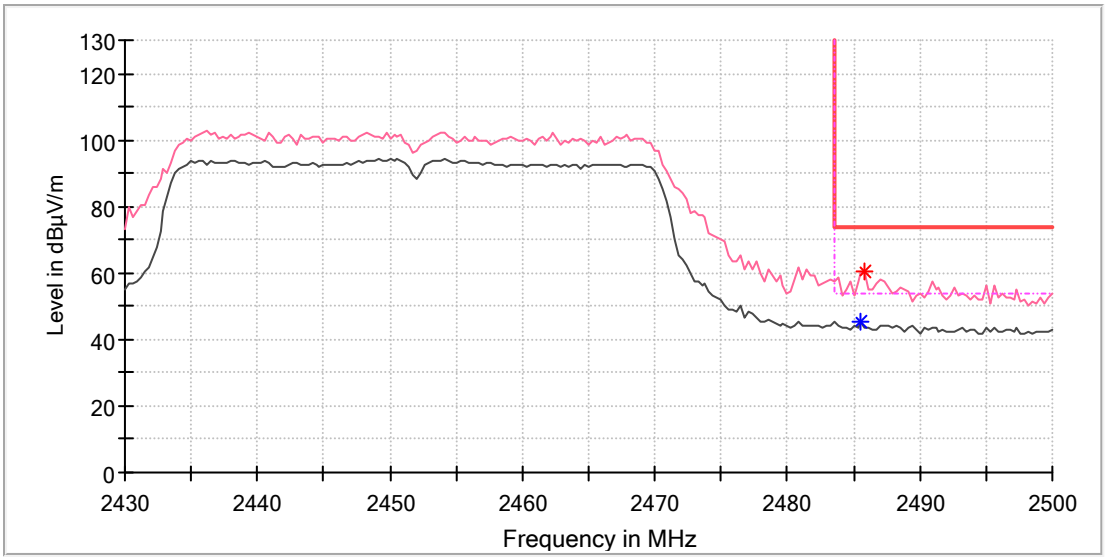
EUT Information

EUT Name:	General-Purpose Robot
Model:	A2
Test Mode:	WIFI 2.4G_11n40_Ch9
Order No/Sample No:	168541455/A003981953-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
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)
2485.588235	---	45.40	54.00	8.60	150.0	V	181.0	9.0
2485.882353	60.29	---	74.00	13.71	150.0	V	185.0	9.0

Final_Result

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