

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20MIMO_Ant1_5180



11N20MIMO_Ant1_5200



11N20MIMO_Ant1_5240



11N20MIMO_Ant1_5745



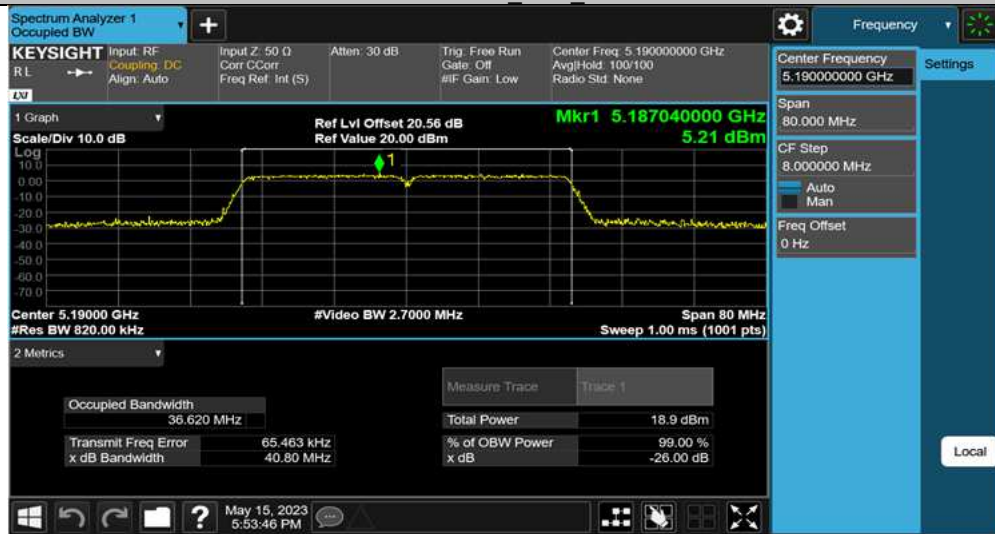
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11N20MIMO_Ant1_5825



11N40MIMO_Ant1_5190



11N40MIMO_Ant1_5230



11N40MIMO_Ant1_5755



11N40MIMO_Ant1_5795



11AC20MIMO_Ant1_5180



11AC20MIMO_Ant1_5200



11AC20MIMO_Ant1_5240



11AC20MIMO_Ant1_5745



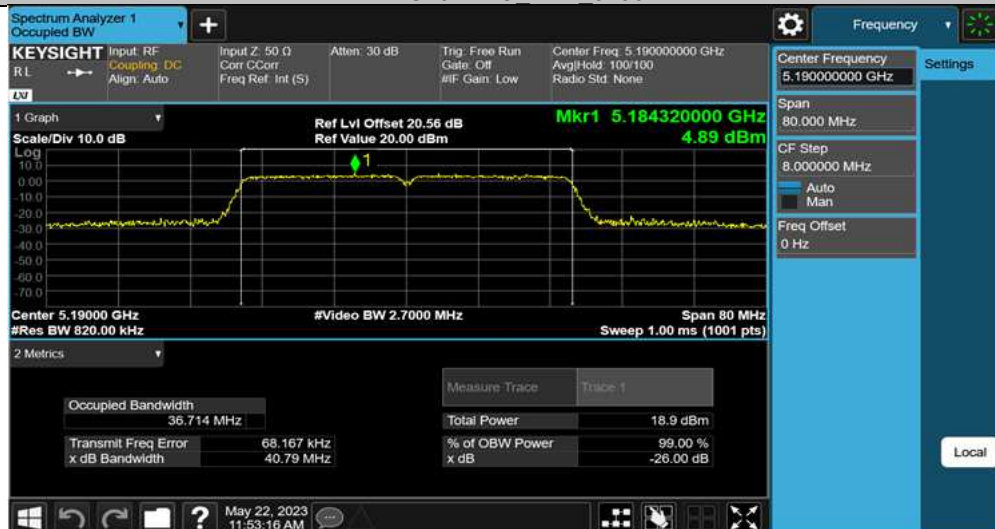
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11AC20MIMO_Ant1_5825



11AC40MIMO_Ant1_5190



11AC40MIMO_Ant1_5230



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant1_5795



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant1_5775



11AX20MIMO_Ant1_5180



11AX20MIMO_Ant1_5200



11AX20MIMO_Ant1_5240



11AX20MIMO_Ant1_5745



11AX20MIMO_Ant1_5785



11AX20MIMO_Ant1_5825



11AX40MIMO_Ant1_5190



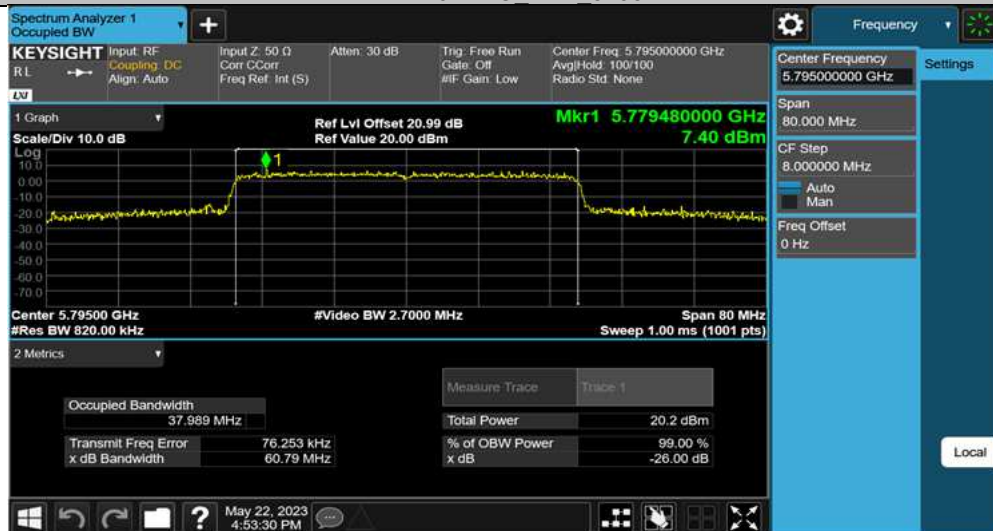
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11AX40MIMO_Ant1_5755



11AX40MIMO_Ant1_5795



11AX80MIMO_Ant1_5210



11AX80MIMO_Ant1_5775



Appendix A.6: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.280	5736.920	5753.200	0.5	PASS
		5785	15.920	5776.920	5792.840	0.5	PASS
		5825	16.280	5816.920	5833.200	0.5	PASS
11N20MIMO	Ant1	5745	17.520	5736.280	5753.800	0.5	PASS
		5785	17.120	5776.680	5793.800	0.5	PASS
		5825	17.520	5816.280	5833.800	0.5	PASS
11N40MIMO	Ant1	5755	36.320	5736.920	5773.240	0.5	PASS
		5795	36.000	5777.160	5813.160	0.5	PASS
11AC20MIMO	Ant1	5745	17.520	5736.280	5753.800	0.5	PASS
		5785	17.320	5776.280	5793.600	0.5	PASS
		5825	17.560	5816.280	5833.840	0.5	PASS
11AC40MIMO	Ant1	5755	36.320	5736.920	5773.240	0.5	PASS
		5795	36.240	5776.920	5813.160	0.5	PASS
11AC80MIMO	Ant1	5775	77.920	5736.120	5814.040	0.5	PASS
11AX20MIMO	Ant1	5745	17.160	5735.760	5752.920	0.5	PASS
		5785	18.560	5775.920	5794.480	0.5	PASS
		5825	18.360	5816.000	5834.360	0.5	PASS
11AX40MIMO	Ant1	5755	37.360	5736.280	5773.640	0.5	PASS
		5795	37.520	5776.280	5813.800	0.5	PASS
11AX80MIMO	Ant1	5775	77.600	5736.280	5813.880	0.5	PASS

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20MIMO_Ant1_5745



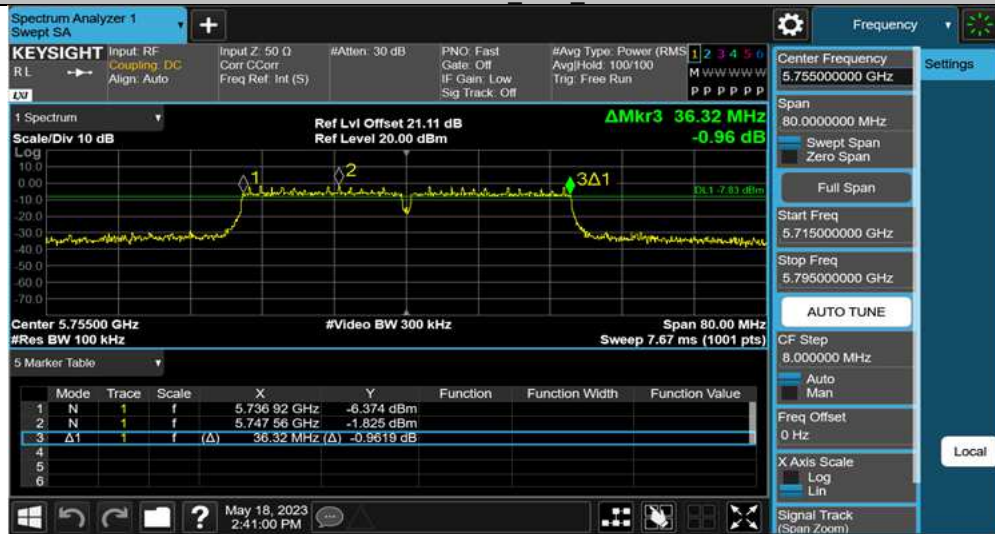
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11N20MIMO_Ant1_5825



11N40MIMO_Ant1_5755



11N40MIMO_Ant1_5795



11AC20MIMO_Ant1_5745



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant1_5825



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant1_5795



11AC80MIMO_Ant1_5775



11AX20MIMO_Ant1_5745



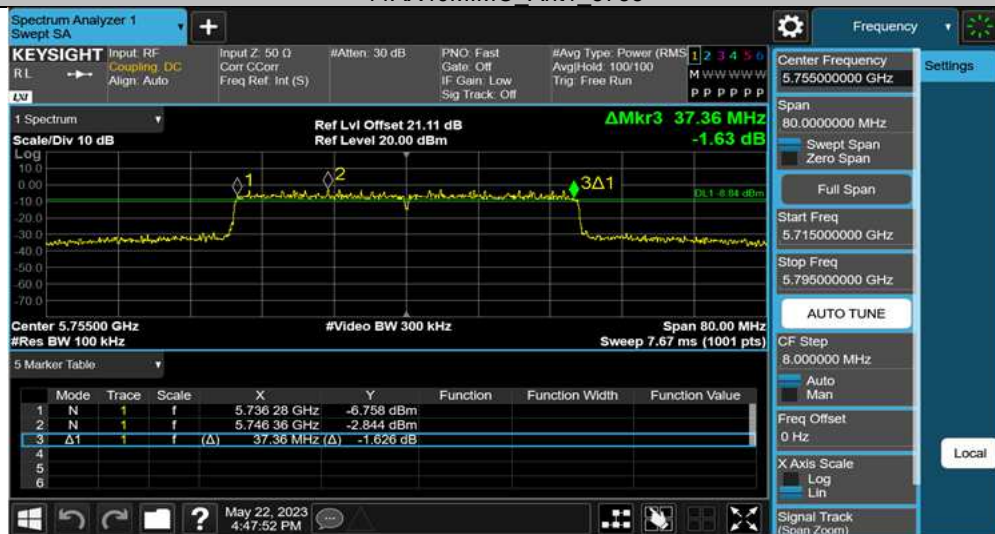
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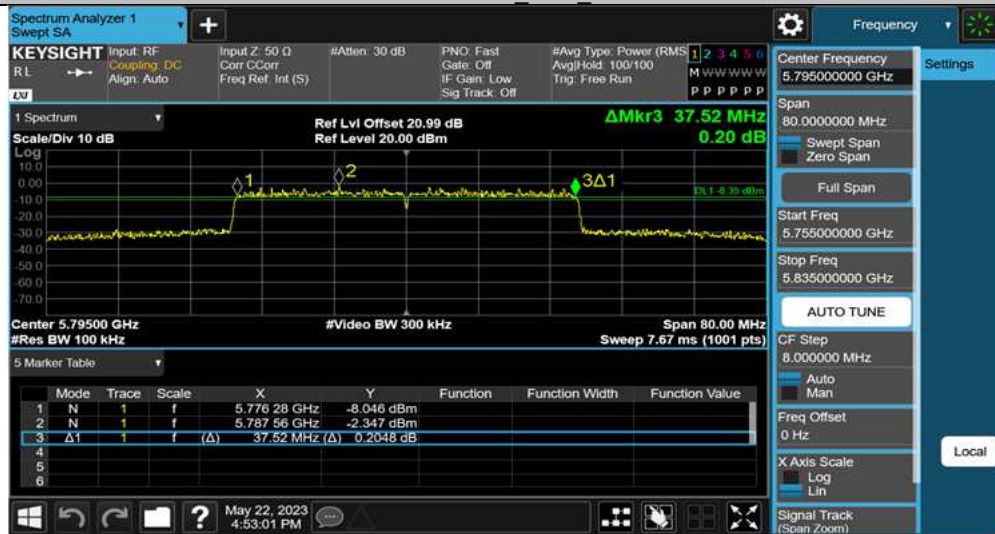
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11AX40MIMO_Ant1_5755



11AX40MIMO_Ant1_5795



11AX80MIMO_Ant1_5775



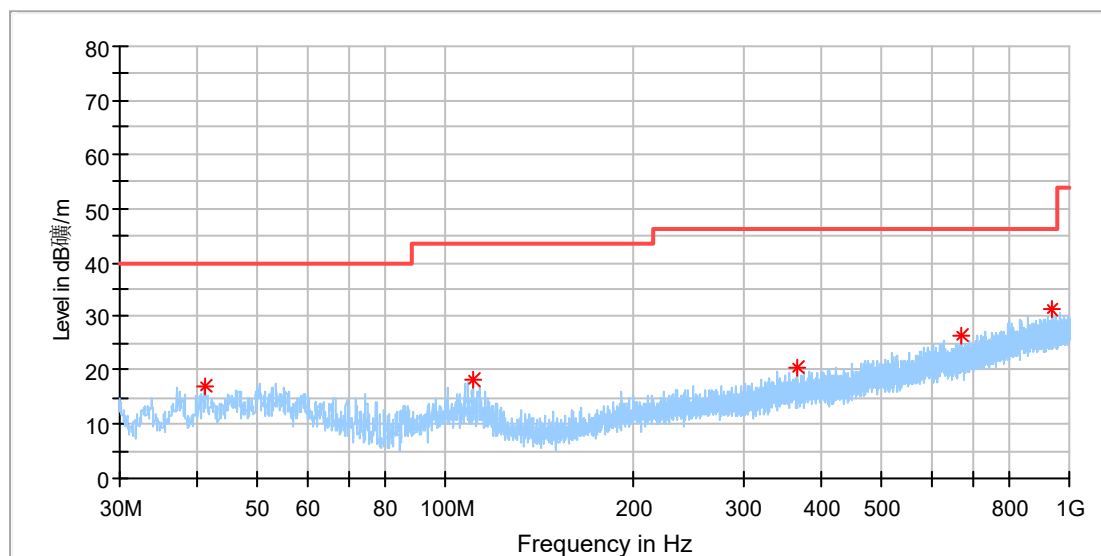
Appendix A.7: Test Results of Radiated Spurious Emissions

Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	ThinkBook Wireless Dock
Model:	L01WC014-CS-H
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168421836/A003448177-005
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

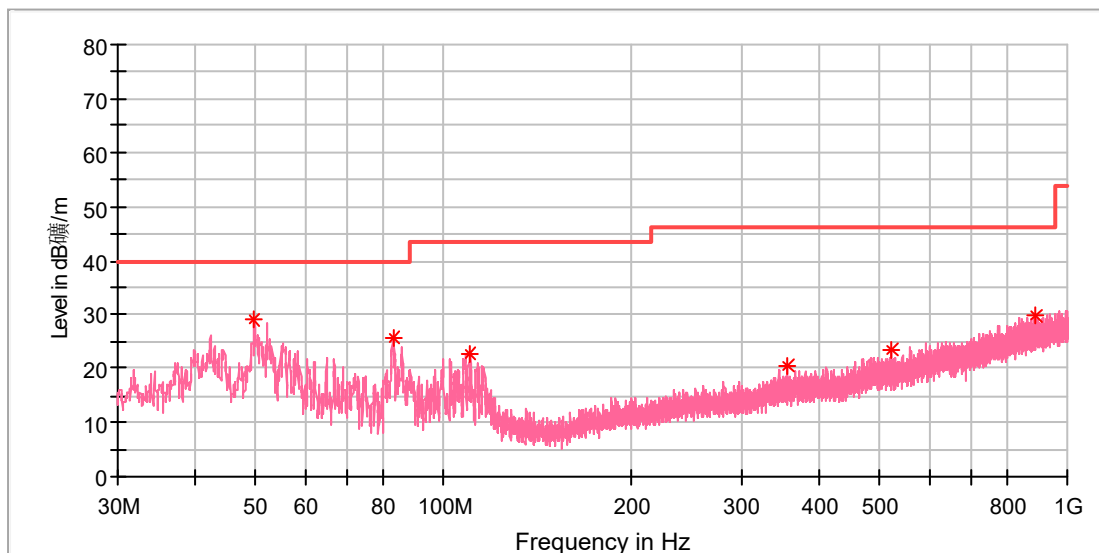
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.058000	16.98	40.00	23.02	100.0	H	108.0	-19.8
110.510000	18.22	43.50	25.28	100.0	H	292.0	-19.1
367.220500	20.37	46.00	25.63	100.0	H	208.0	-14.5
672.964500	26.48	46.00	19.52	100.0	H	278.0	-8.6
934.864500	31.24	46.00	14.76	100.0	H	257.0	-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: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11a_Ch48
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
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)
49.691000	28.91	40.00	11.09	100.0	V	100.0	-18.3
82.865000	25.50	40.00	14.50	100.0	V	352.0	-22.8
110.316000	22.85	43.50	20.65	100.0	V	33.0	-19.1
356.938500	20.43	46.00	25.57	100.0	V	317.0	-14.7
521.208000	23.57	46.00	22.43	100.0	V	55.0	-11.5
888.886500	29.84	46.00	16.16	100.0	V	13.0	-5.1

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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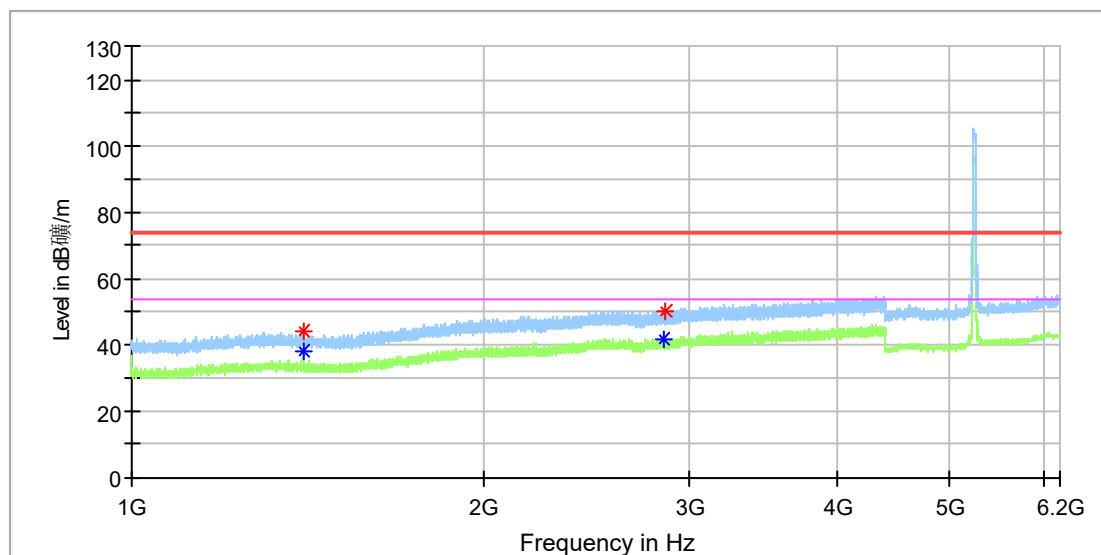
1GHz - 18GHz

Note: The highest waveform in the figure is 5GHz Wi-Fi Fundamental.

U-NII-1 Band

EUT Information

EUT Name:	ThinkBook Wireless Dock
Model:	L01WC014-CS-H
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168421836/A003448177-005
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

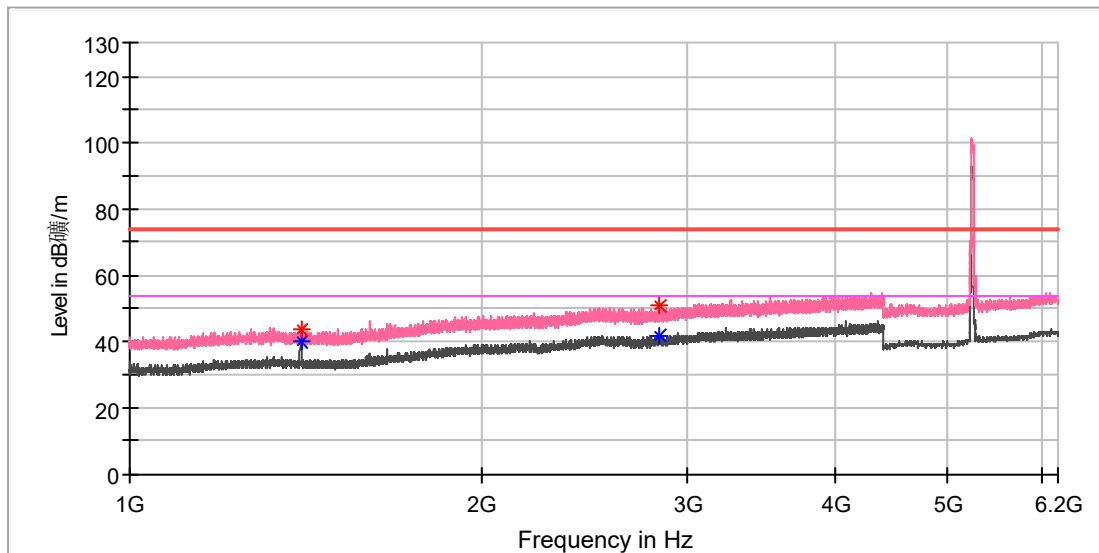
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1399.840000	---	38.26	54.00	15.74	150.0	H	272.0	1.7
1400.180000	44.17	---	74.00	29.83	150.0	H	292.0	1.7
2845.860000	---	41.68	54.00	12.32	150.0	H	359.0	8.1
2857.930000	49.91	---	74.00	24.09	150.0	H	333.0	8.2

Final_Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11a_Ch48
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

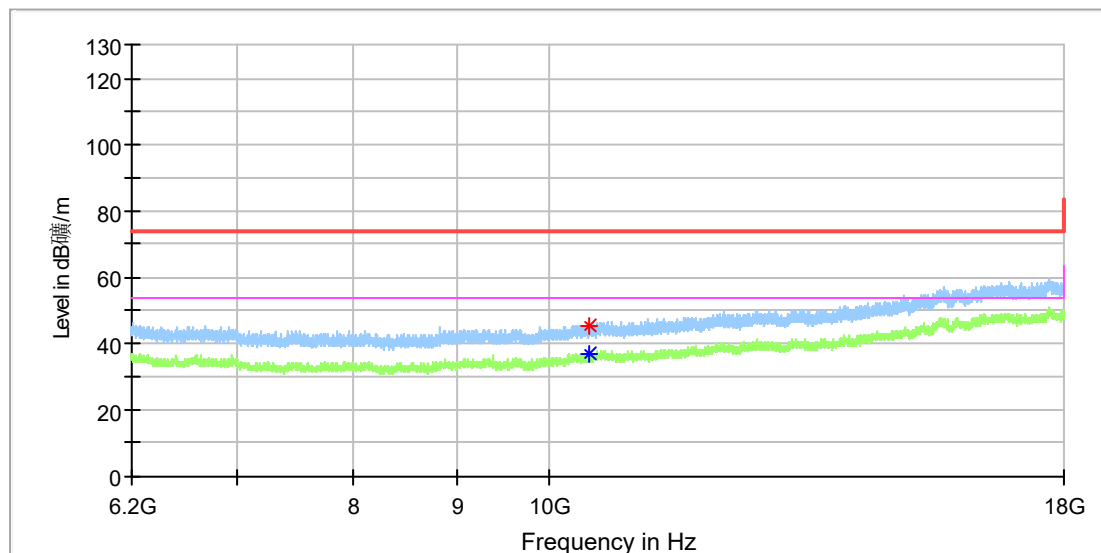
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1399.670000	43.47	---	74.00	30.53	150.0	V	174.0	1.7
1399.840000	---	39.94	54.00	14.06	150.0	V	174.0	1.7
2831.580000	50.83	---	74.00	23.17	150.0	V	194.0	8.1
2834.980000	---	41.64	54.00	12.36	150.0	V	143.0	8.1

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11a_Ch48
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

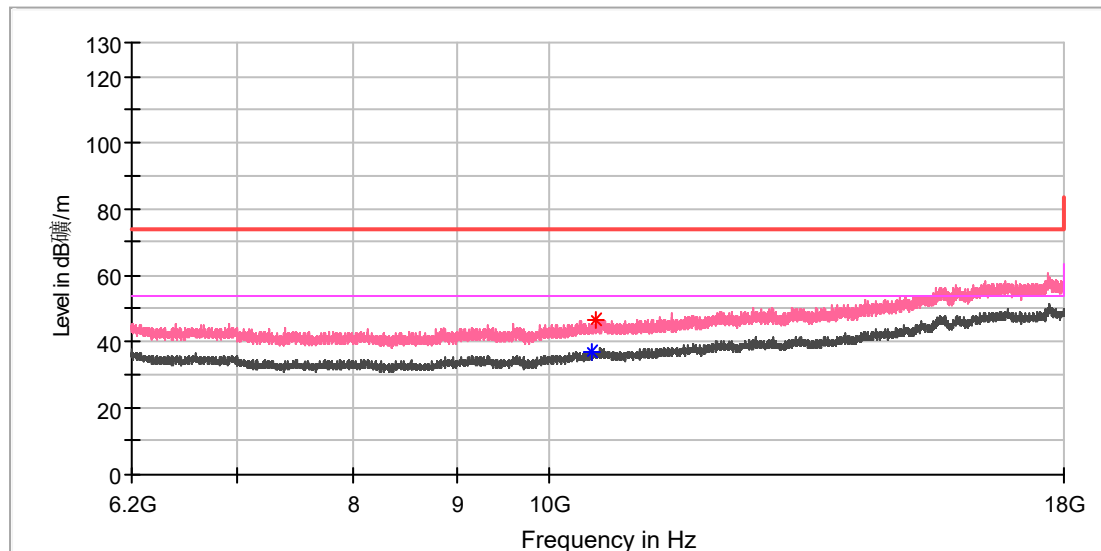
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10465.700000	---	36.69	54.00	17.31	150.0	H	168.0	12.0
10477.500000	45.52	---	74.00	28.48	150.0	H	220.0	12.0

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11a_Ch48
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

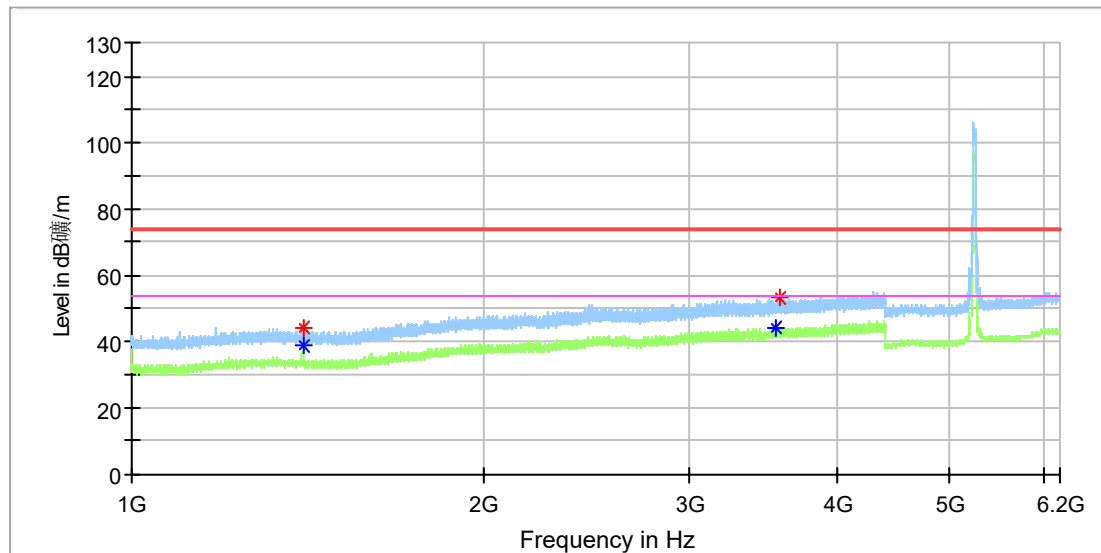
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10496.675000	---	36.77	54.00	17.23	150.0	V	303.0	12.0
10541.908333	46.67	---	74.00	27.33	150.0	V	55.0	12.0

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax20_Ch48
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

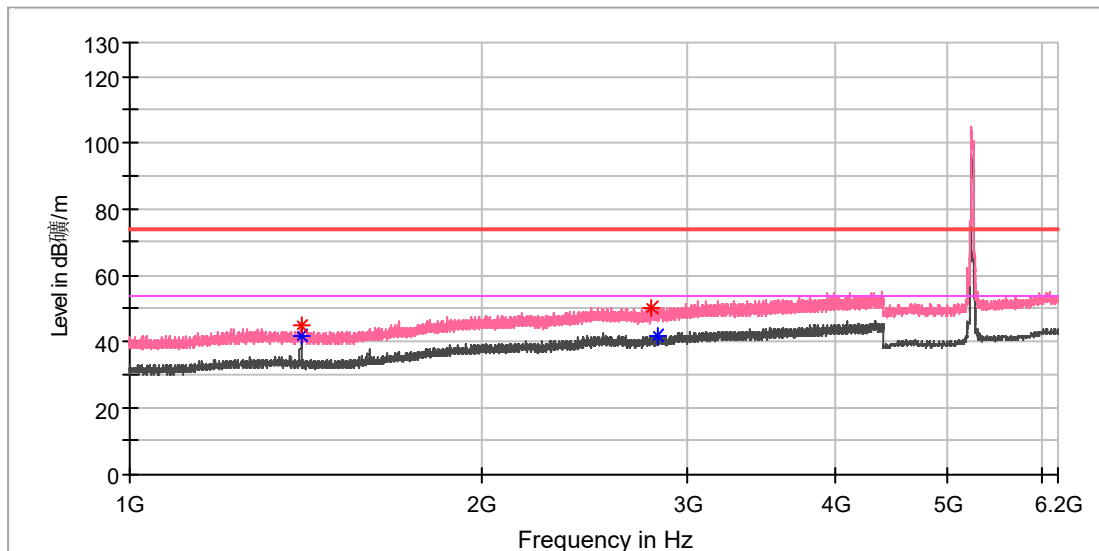
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1399.670000	44.20	---	74.00	29.80	150.0	H	282.0	1.7
1400.010000	---	38.83	54.00	15.17	150.0	H	282.0	1.7
3551.870000	---	43.94	54.00	10.06	150.0	H	330.0	9.2
3578.730000	52.93	---	74.00	21.07	150.0	H	301.0	9.3

Final Result

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

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax20_Ch48
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

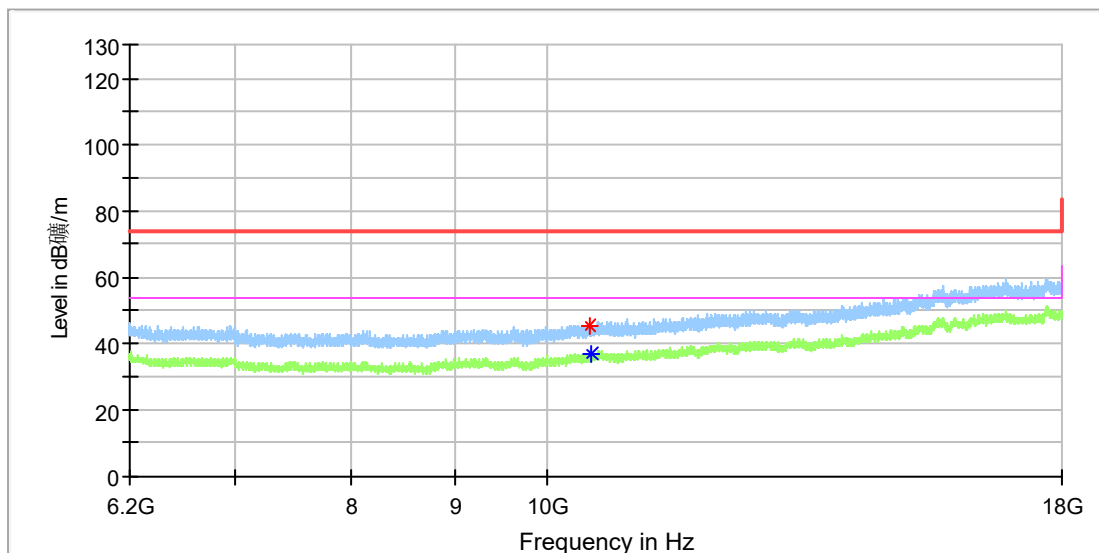
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1400.010000	44.82	---	74.00	29.18	150.0	V	38.0	1.7
1400.010000	---	41.46	54.00	12.54	150.0	V	38.0	1.7
2786.020000	50.00	---	74.00	24.00	150.0	V	137.0	7.9
2827.840000	---	41.64	54.00	12.36	150.0	V	281.0	8.1

Final Result

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

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax20_Ch48
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

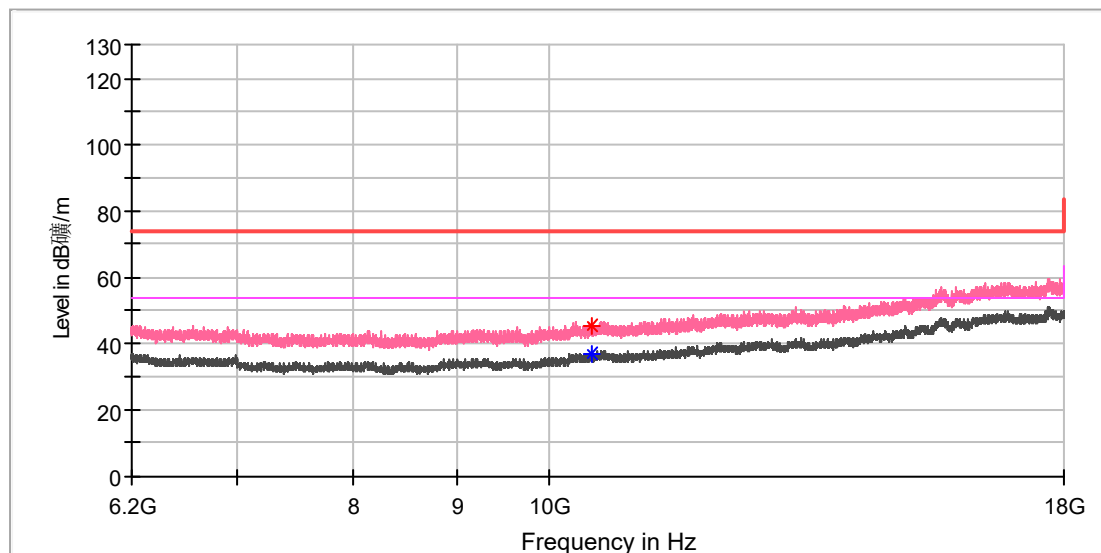
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10493.233333	45.50	---	74.00	28.50	150.0	H	144.0	12.0
10515.850000	---	36.89	54.00	17.11	150.0	H	132.0	12.0

Final Result

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

EUT Information

EUT Name:	ThinkBook Wireless Dock
Model:	L01WC014-CS-H
Test Mode:	WIFI 5G_11ax20_Ch48
Order No/Sample No:	168421836/A003448177-005
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

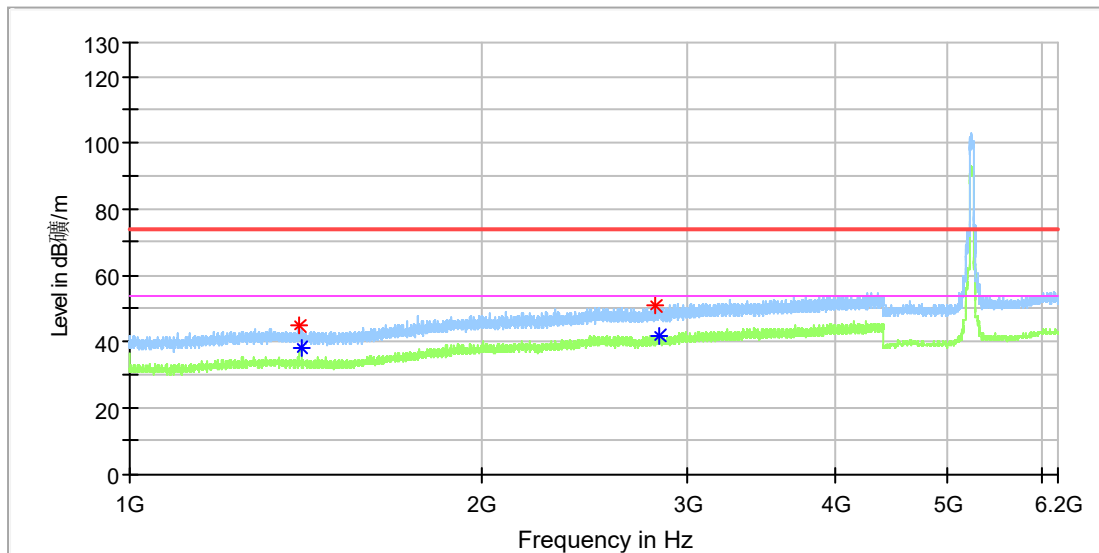
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10490.775000	---	36.83	54.00	17.17	150.0	V	232.0	12.0
10493.725000	45.54	---	74.00	28.46	150.0	V	220.0	12.0

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax40_Ch46
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

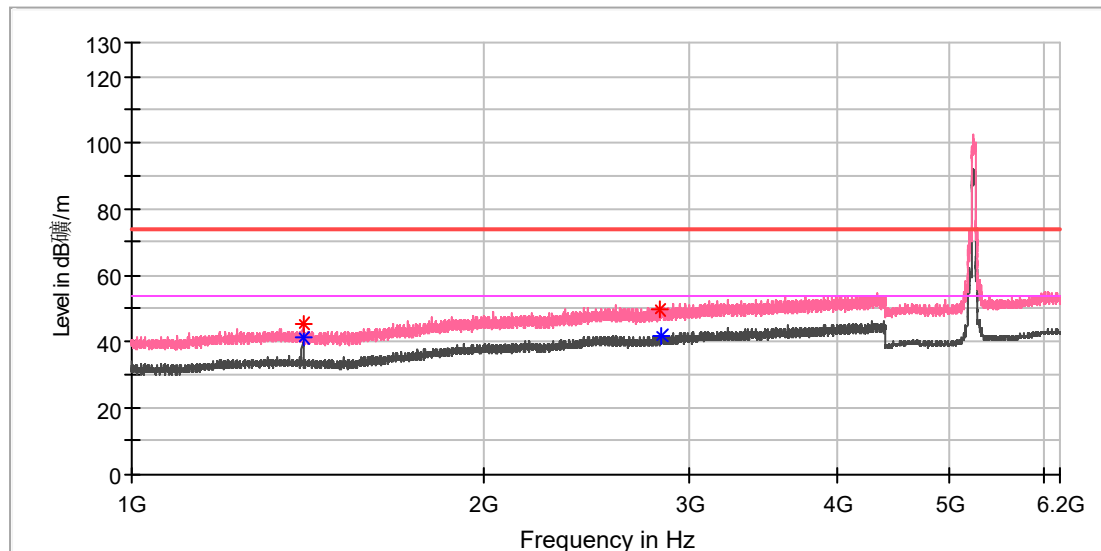
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1395.080000	44.87	---	74.00	29.13	150.0	H	78.0	1.7
1400.010000	---	38.38	54.00	15.62	150.0	H	89.0	1.7
2809.480000	50.56	---	74.00	23.44	150.0	H	8.0	8.0
2834.130000	---	41.60	54.00	12.40	150.0	H	239.0	8.1

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax40_Ch46
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

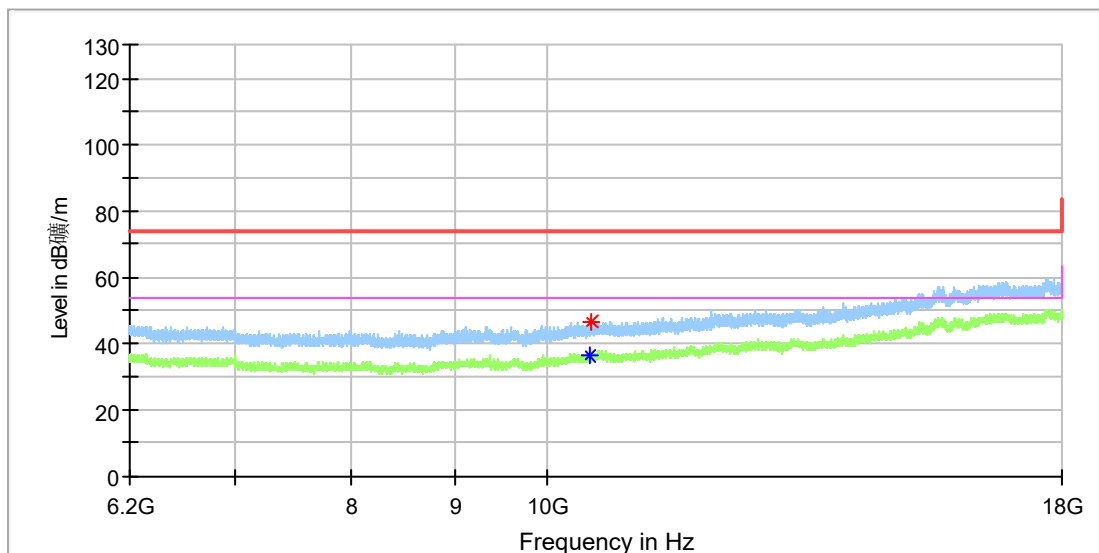
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1400.010000	45.06	---	74.00	28.94	150.0	V	43.0	1.7
1400.010000	---	40.94	54.00	13.06	150.0	V	43.0	1.7
2825.120000	49.86	---	74.00	24.14	150.0	V	155.0	8.1
2835.150000	---	41.63	54.00	12.37	150.0	V	205.0	8.1

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax40_Ch46
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

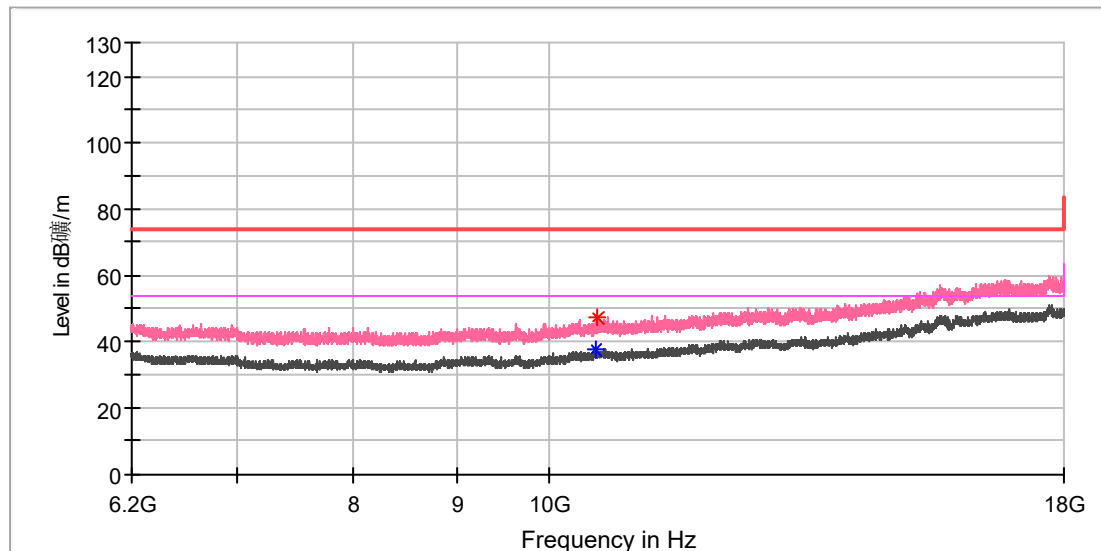
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10490.283333	---	36.38	54.00	17.62	150.0	H	0.0	12.0
10507.983333	46.30	---	74.00	27.70	150.0	H	202.0	12.0

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax40_Ch46
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

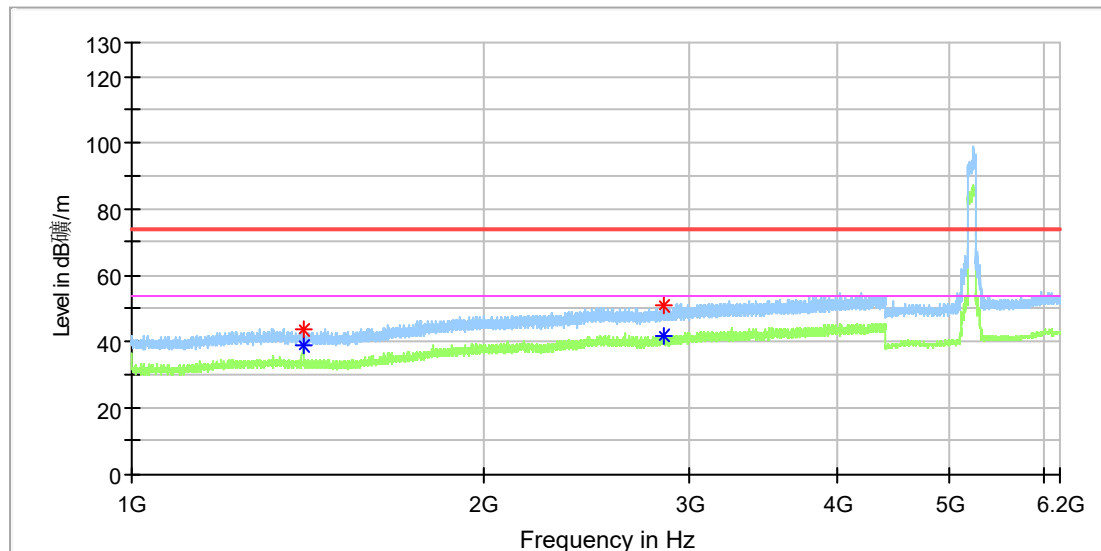
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10534.041667	---	37.66	54.00	16.34	150.0	V	185.0	12.0
10567.966667	46.87	---	74.00	27.13	150.0	V	285.0	12.0

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax80_Ch42
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

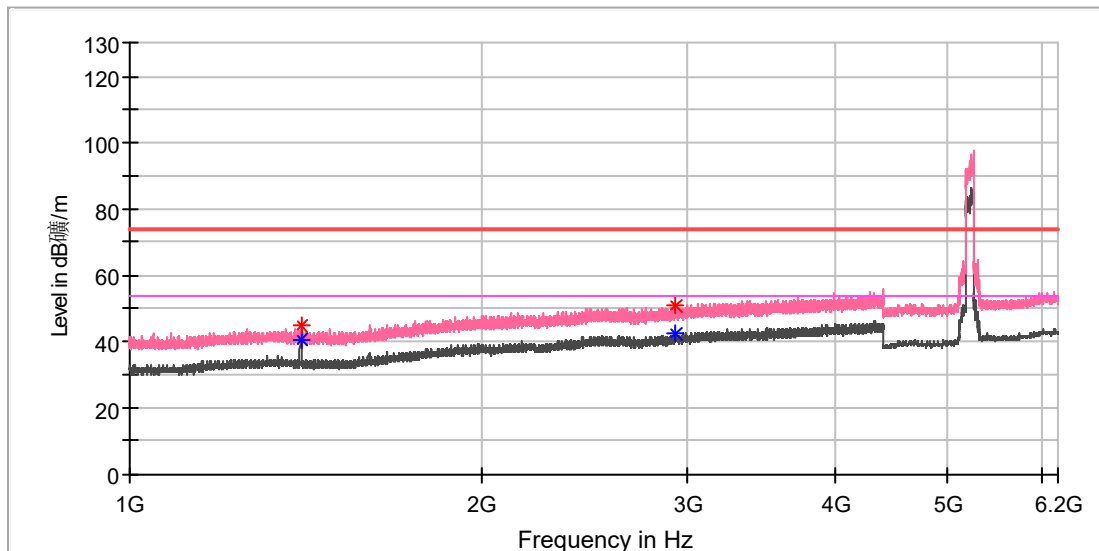
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1399.670000	43.41	---	74.00	30.59	150.0	H	127.0	1.7
1399.840000	---	38.77	54.00	15.23	150.0	H	95.0	1.7
2842.290000	50.81	---	74.00	23.19	150.0	H	0.0	8.1
2846.880000	---	41.63	54.00	12.37	150.0	H	5.0	8.1

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax80_Ch42
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

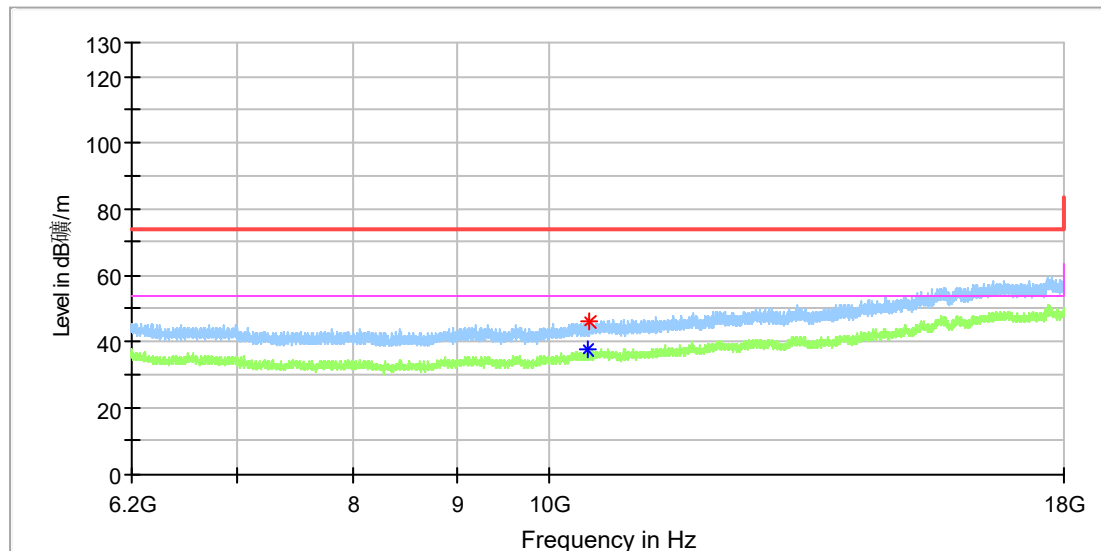
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1399.840000	45.02	---	74.00	28.98	150.0	V	44.0	1.7
1399.840000	---	40.33	54.00	13.67	150.0	V	44.0	1.7
2920.320000	---	42.10	54.00	11.90	150.0	V	234.0	8.3
2930.180000	50.94	---	74.00	23.06	150.0	V	84.0	8.4

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax80_Ch42
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

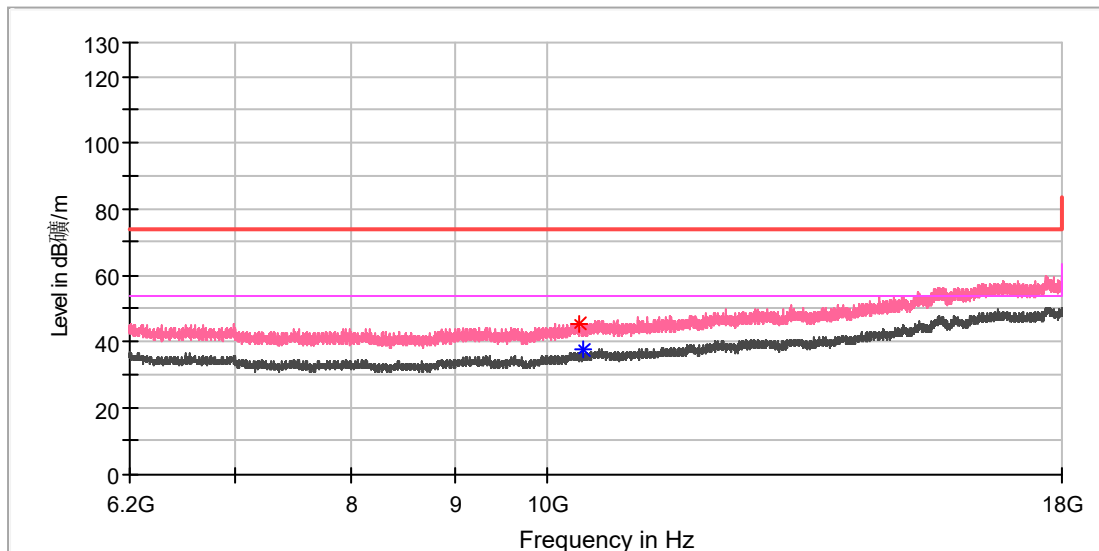
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10433.250000	---	37.55	54.00	16.45	150.0	H	0.0	11.9
10466.191667	45.92	---	74.00	28.08	150.0	H	262.0	12.0

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax80_Ch42
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
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)
10377.691667	45.26	---	74.00	28.74	150.0	V	244.0	11.9
10418.991667	---	37.20	54.00	16.80	150.0	V	314.0	11.9

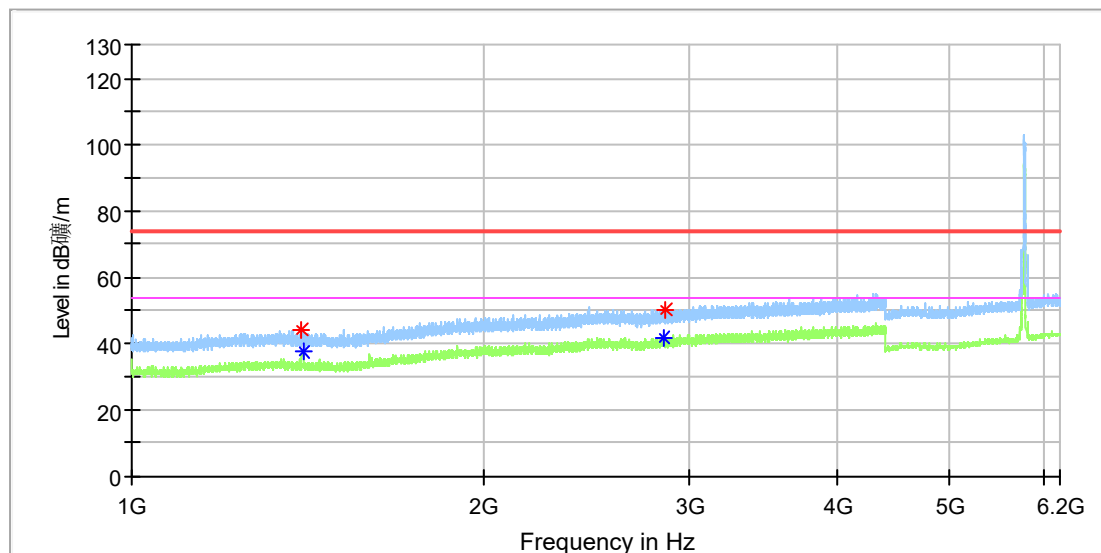
Final Result

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

U-NII-3 Band

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11a_Ch157
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

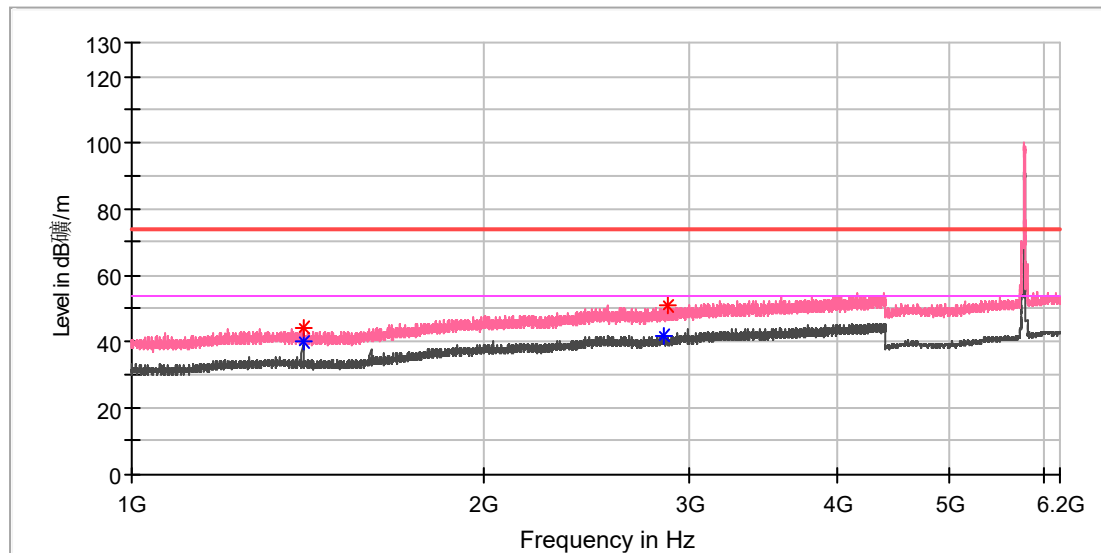
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1399.500000	44.04	---	74.00	29.96	150.0	H	100.0	1.7
1400.180000	---	37.71	54.00	16.29	150.0	H	100.0	1.7
2842.120000	---	41.59	54.00	12.41	150.0	H	31.0	8.1
2853.340000	50.15	---	74.00	23.85	150.0	H	180.0	8.1

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11a_Ch157
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

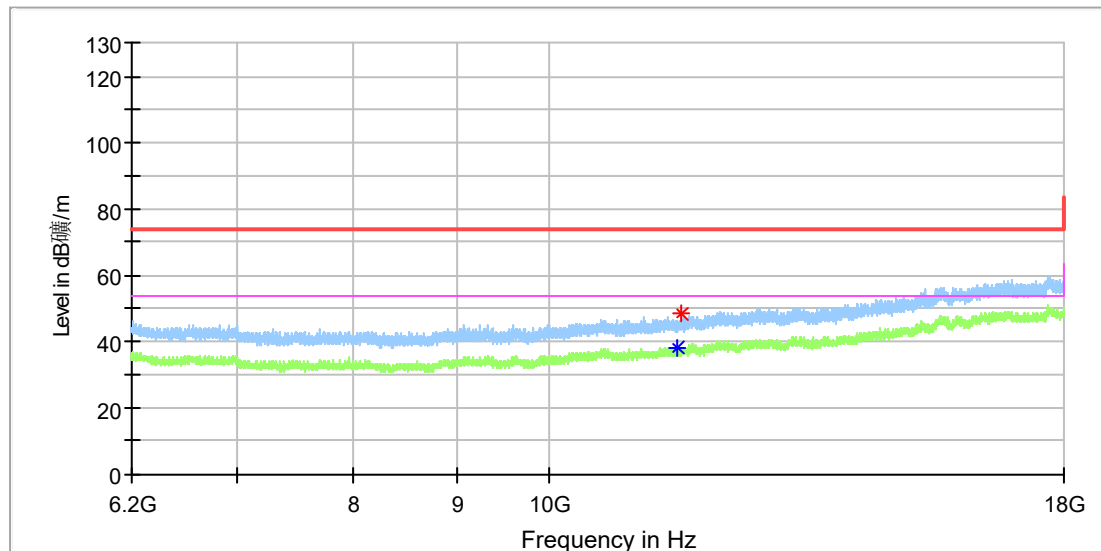
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1399.840000	---	39.68	54.00	14.32	150.0	V	41.0	1.7
1400.010000	44.10	---	74.00	29.90	150.0	V	41.0	1.7
2847.560000	---	41.51	54.00	12.49	150.0	V	0.0	8.1
2872.040000	50.57	---	74.00	23.43	150.0	V	121.0	8.2

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11a_Ch157
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

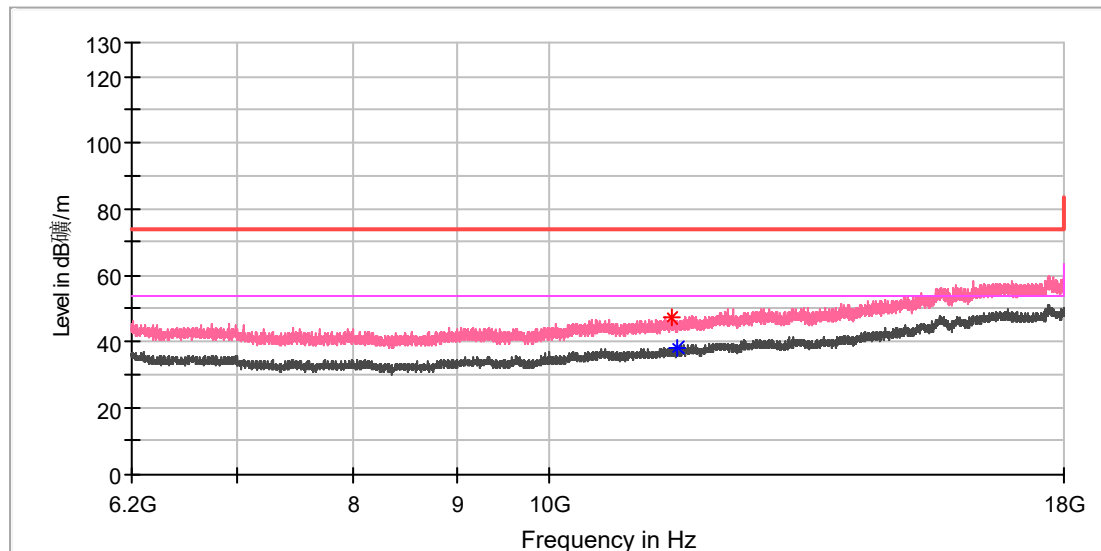
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11573.425000	---	37.93	54.00	16.07	150.0	H	91.0	13.4
11634.391667	48.66	---	74.00	25.34	150.0	H	214.0	13.3

Final Result

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

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11a_Ch157
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

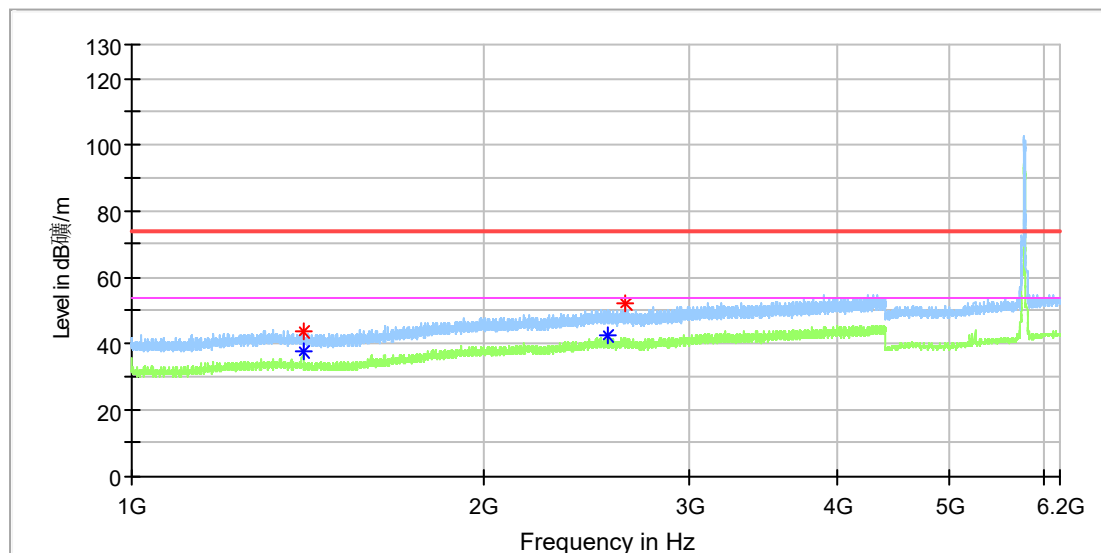
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11500.658333	46.90	---	74.00	27.10	150.0	V	20.0	13.7
11563.100000	---	37.85	54.00	16.15	150.0	V	63.0	13.4

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11n20_Ch157
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

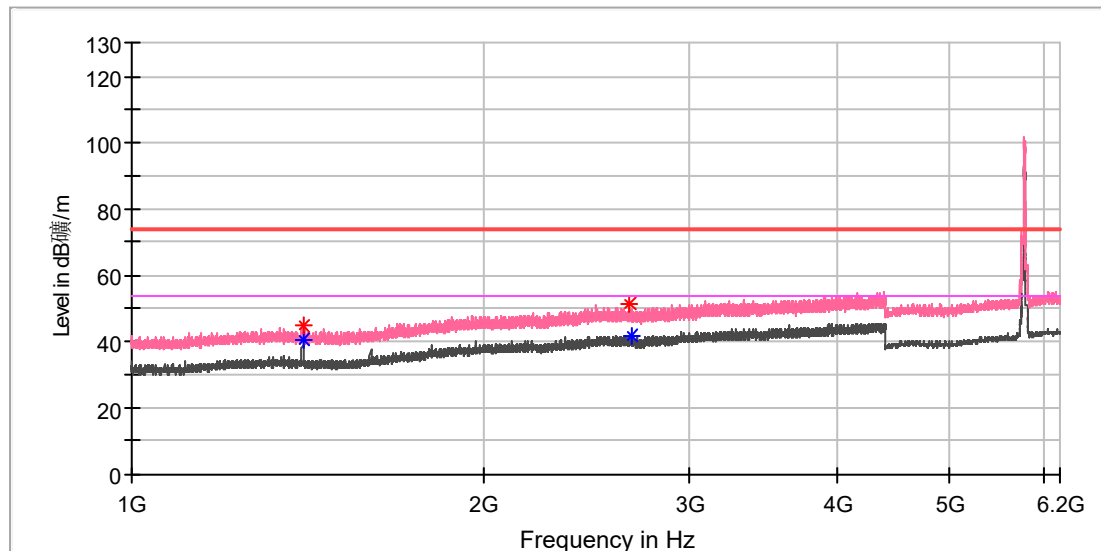
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1399.840000	---	37.56	54.00	16.44	150.0	H	102.0	1.7
1400.520000	43.40	---	74.00	30.60	150.0	H	112.0	1.7
2553.120000	---	42.17	54.00	11.83	150.0	H	0.0	7.6
2637.780000	51.84	---	74.00	22.16	150.0	H	271.0	7.5

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11n20_Ch157
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

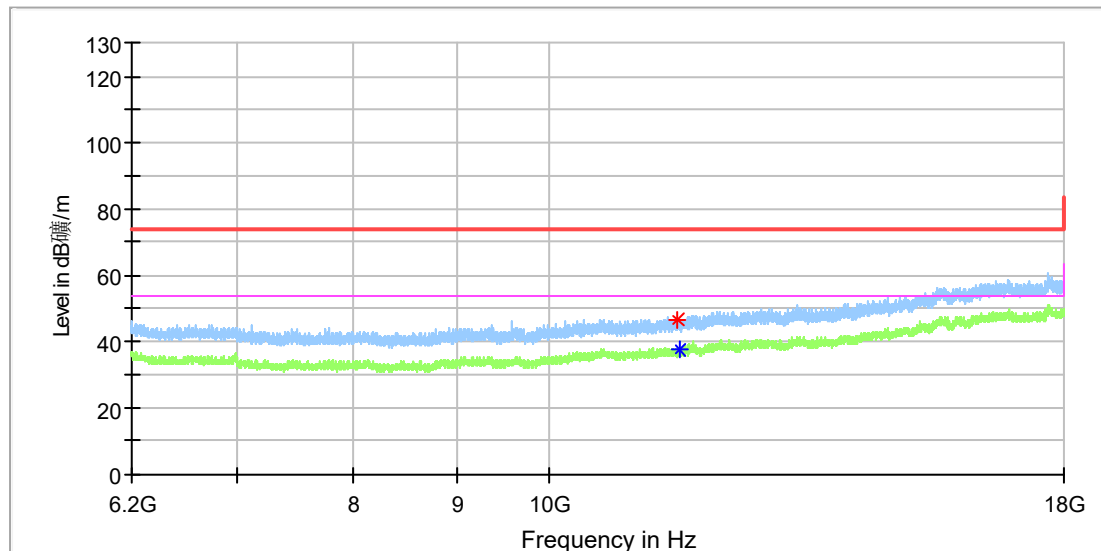
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1399.670000	45.00	---	74.00	29.00	150.0	V	54.0	1.7
1400.010000	---	40.49	54.00	13.51	150.0	V	44.0	1.7
2663.620000	51.29	---	74.00	22.71	150.0	V	215.0	7.6
2676.710000	---	41.47	54.00	12.53	150.0	V	155.0	7.5

Final Result

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

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11n20_Ch157
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

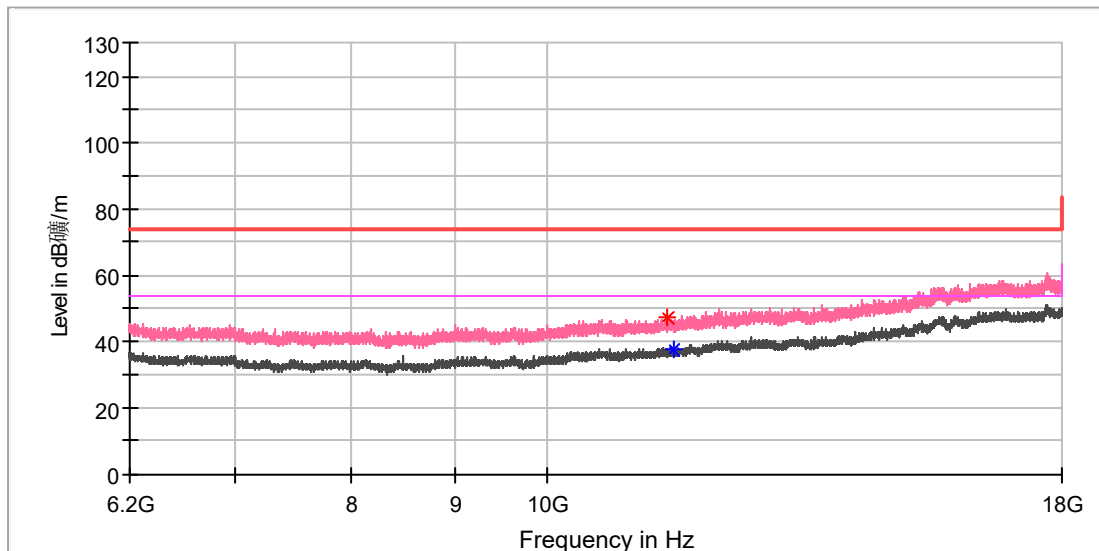
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11567.033333	46.75	---	74.00	27.25	150.0	H	327.0	13.4
11593.091667	---	37.55	54.00	16.45	150.0	H	315.0	13.3

Final Result

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

EUT Information

EUT Name:	ThinkBook Wireless Dock
Model:	L01WC014-CS-H
Test Mode:	WIFI 5G_11n20_Ch157
Order No/Sample No:	168421836/A003448177-005
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

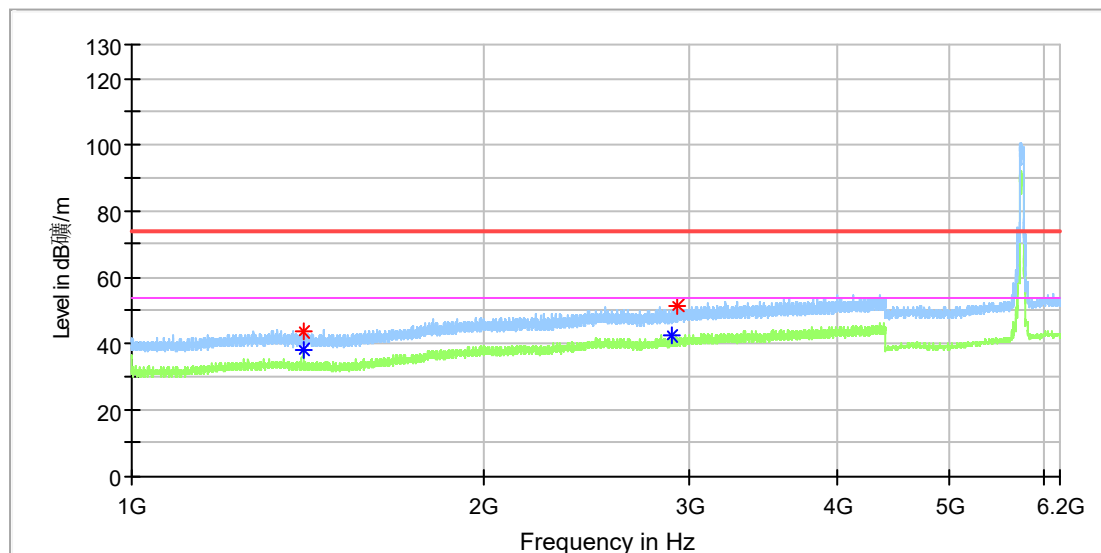
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11472.633333	47.10	---	74.00	26.90	150.0	V	60.0	13.6
11551.791667	---	37.63	54.00	16.37	150.0	V	339.0	13.5

Final Result

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

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

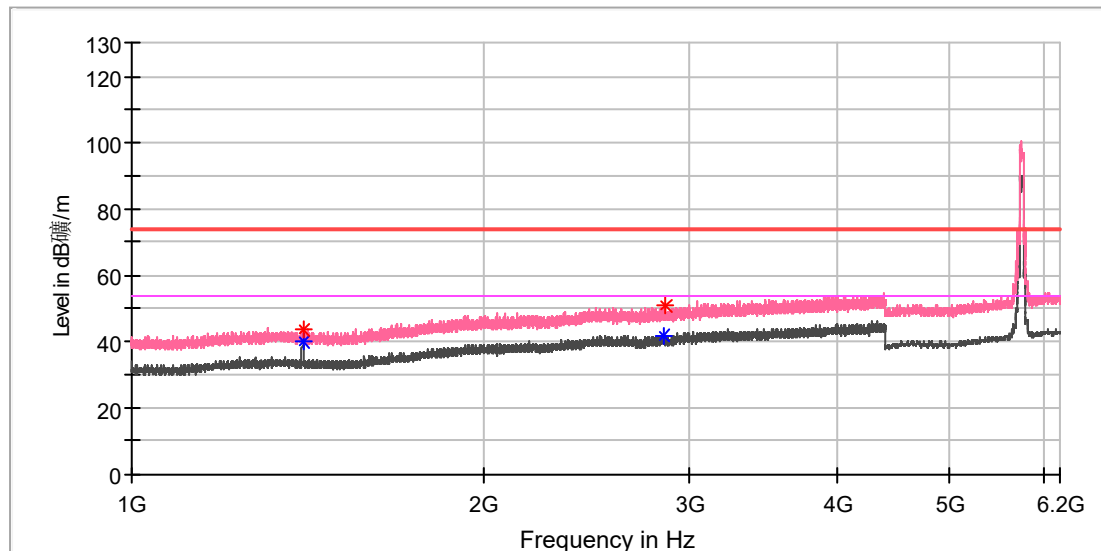
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1399.840000	---	38.31	54.00	15.69	150.0	H	91.0	1.7
1400.010000	43.62	---	74.00	30.38	150.0	H	112.0	1.7
2885.810000	---	42.53	54.00	11.47	150.0	H	59.0	8.2
2923.720000	51.15	---	74.00	22.85	150.0	H	1.0	8.3

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

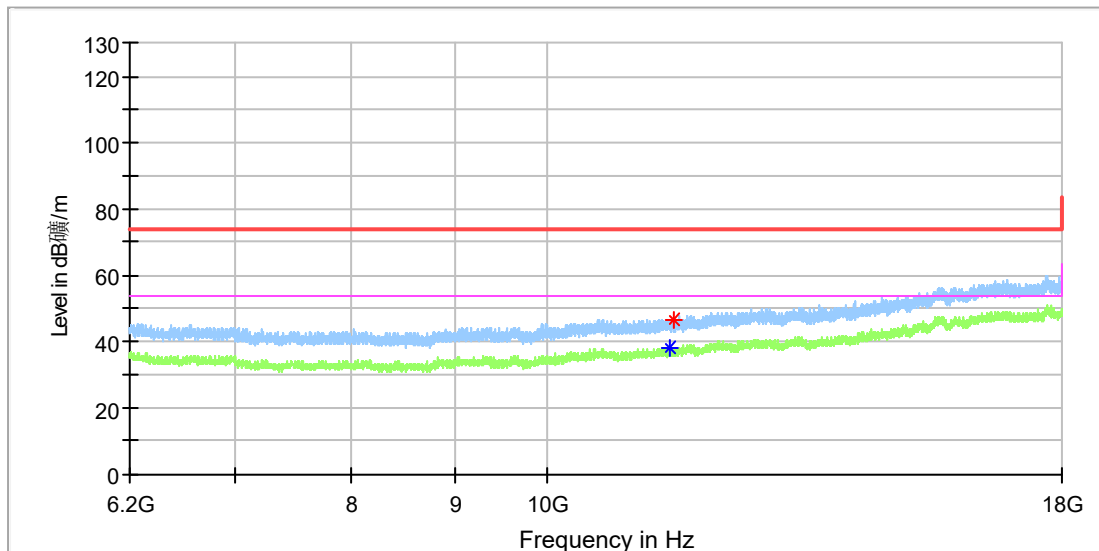
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1400.010000	43.74	---	74.00	30.26	150.0	V	46.0	1.7
1400.180000	---	39.61	54.00	14.39	150.0	V	26.0	1.7
2841.780000	---	42.00	54.00	12.00	150.0	V	6.0	8.1
2857.930000	50.57	---	74.00	23.43	150.0	V	131.0	8.2

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

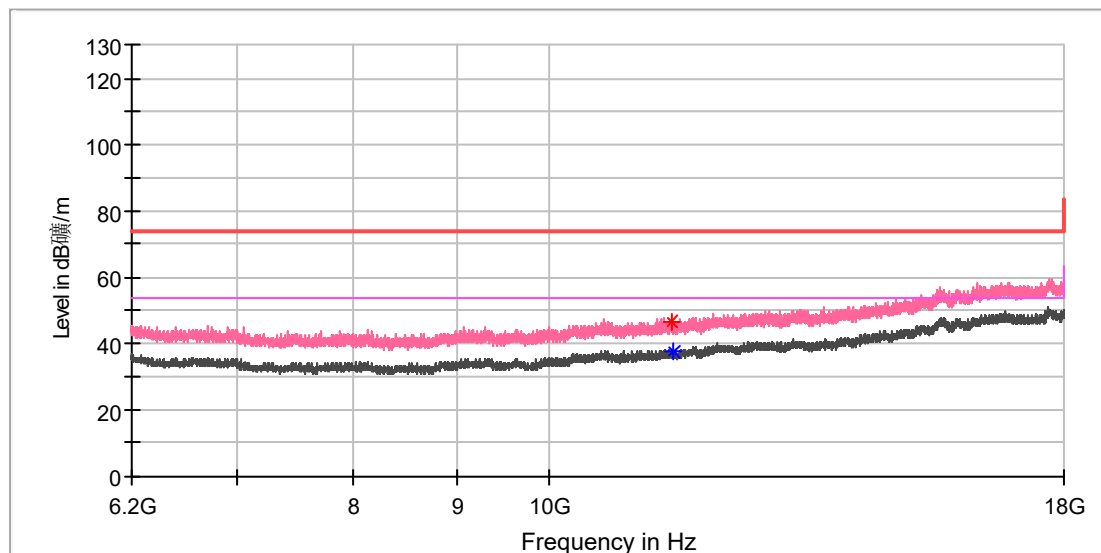
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11510.000000	---	37.81	54.00	16.19	150.0	H	264.0	13.7
11540.975000	46.64	---	74.00	27.36	150.0	H	97.0	13.5

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

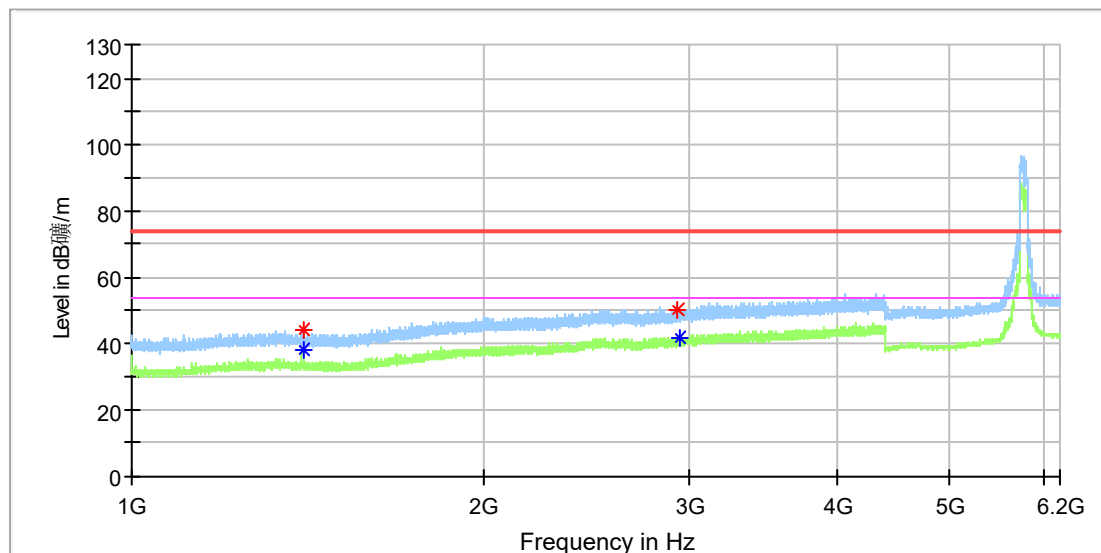
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11504.100000	46.46	---	74.00	27.54	150.0	V	346.0	13.7
11512.458333	---	37.52	54.00	16.48	150.0	V	233.0	13.6

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
 Model: L01WC014-CS-H
 Test Mode: WIFI 5G_11ac80_Ch155
 Order No/Sample No: 168421836/A003448177-005
 Test Voltage: 120V/60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

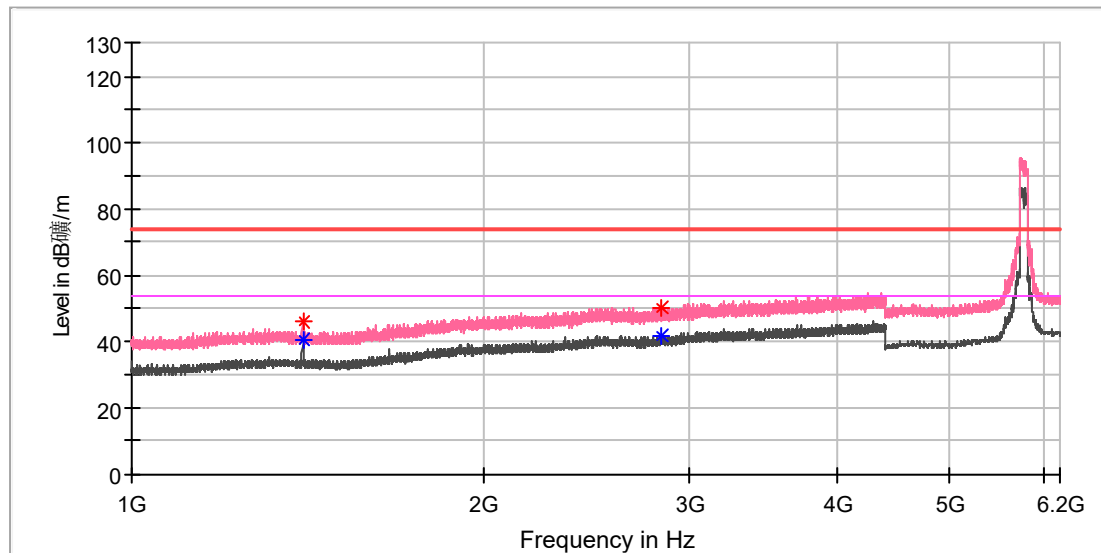
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1399.670000	---	38.19	54.00	15.81	150.0	H	118.0	1.7
1400.010000	44.27	---	74.00	29.73	150.0	H	118.0	1.7
2924.910000	50.35	---	74.00	23.65	150.0	H	127.0	8.3
2934.430000	---	41.96	54.00	12.04	150.0	H	99.0	8.4

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ac80_Ch155
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

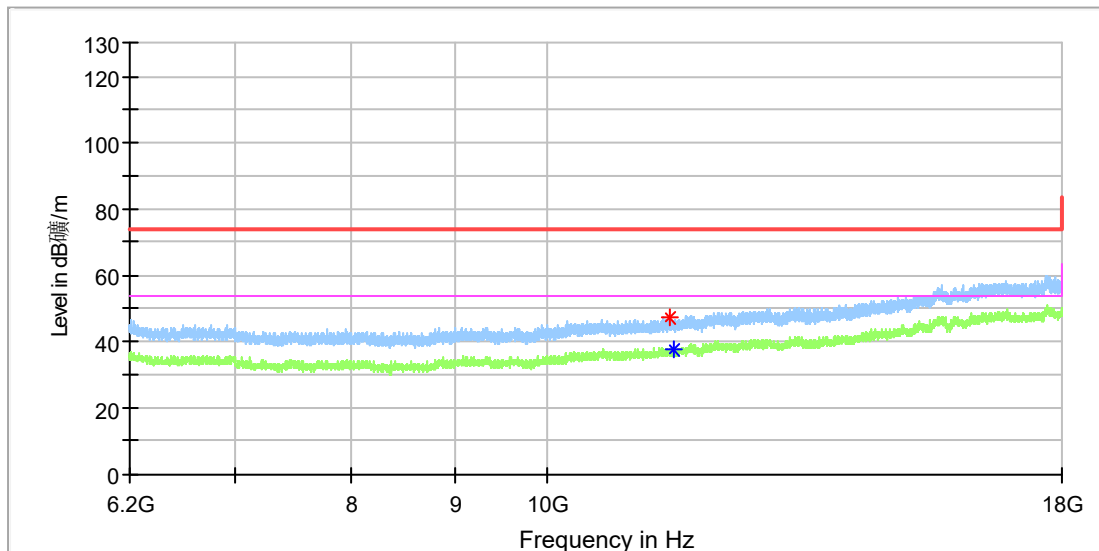
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1399.670000	45.72	---	74.00	28.28	150.0	V	47.0	1.7
1400.010000	---	40.51	54.00	13.49	150.0	V	47.0	1.7
2833.620000	50.42	---	74.00	23.58	150.0	V	250.0	8.1
2833.960000	---	41.94	54.00	12.06	150.0	V	271.0	8.1

Final Result

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

EUT Information

EUT Name:	ThinkBook Wireless Dock
Model:	L01WC014-CS-H
Test Mode:	WIFI 5G_11ac80_Ch155
Order No/Sample No:	168421836/A003448177-005
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

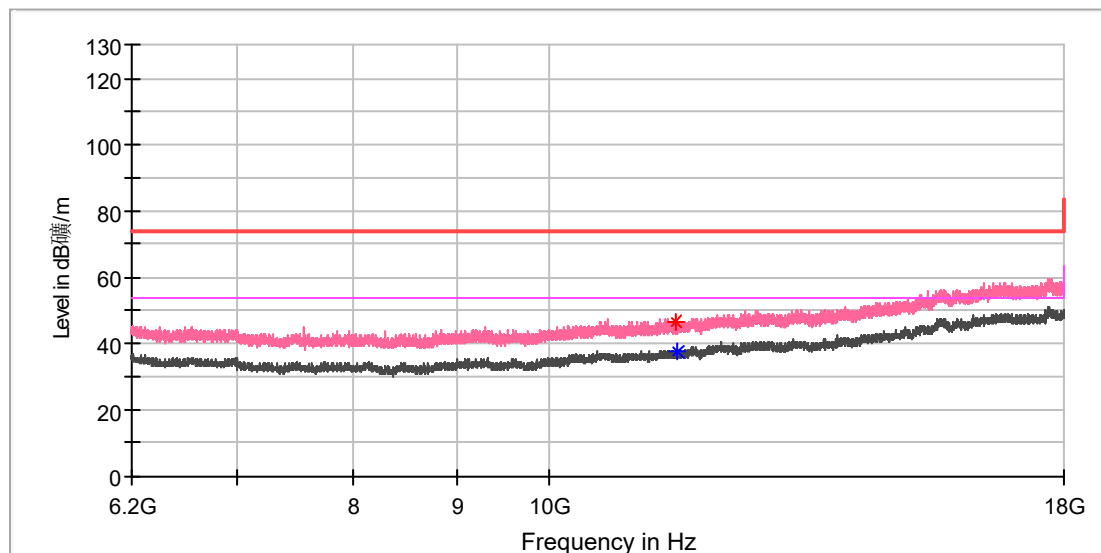
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11499.183333	47.27	---	74.00	26.73	150.0	H	46.0	13.7
11562.608333	---	37.42	54.00	16.58	150.0	H	254.0	13.4

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ac80_Ch155
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
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)
11555.725000	46.62	---	74.00	27.38	150.0	V	163.0	13.5
11574.900000	---	37.28	54.00	16.72	150.0	V	200.0	13.4

Final Result

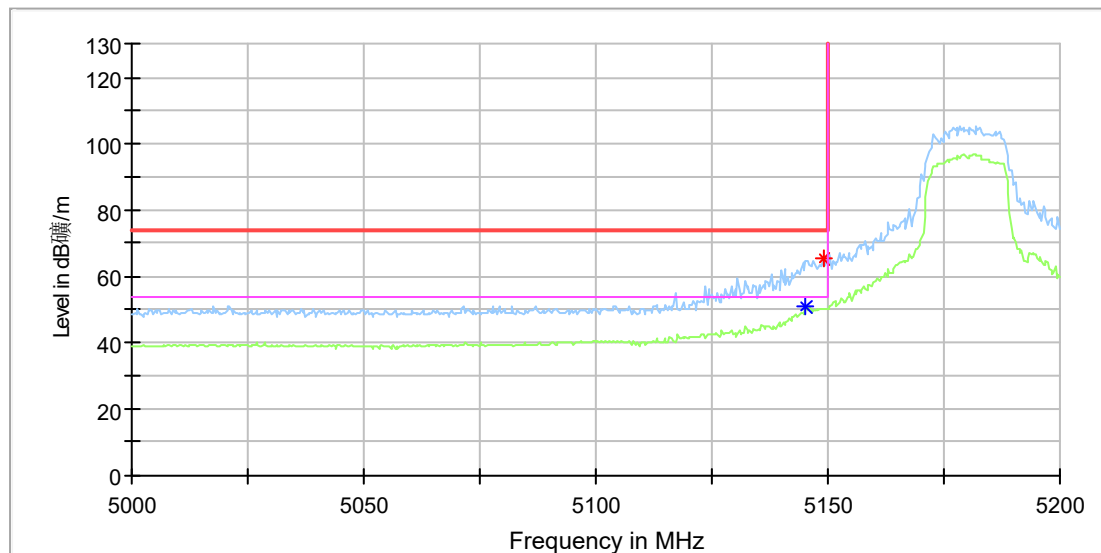
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Appendix A.8: Test Results of Radiated Emissions in Restricted Bands

U-NII-1 Band

EUT Information

EUT Name:	ThinkBook Wireless Dock
Model:	L01WC014-CS-H
Test Mode:	WIFI 5G_11a_Ch36
Order No/Sample No:	168421836/A003448177-005
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

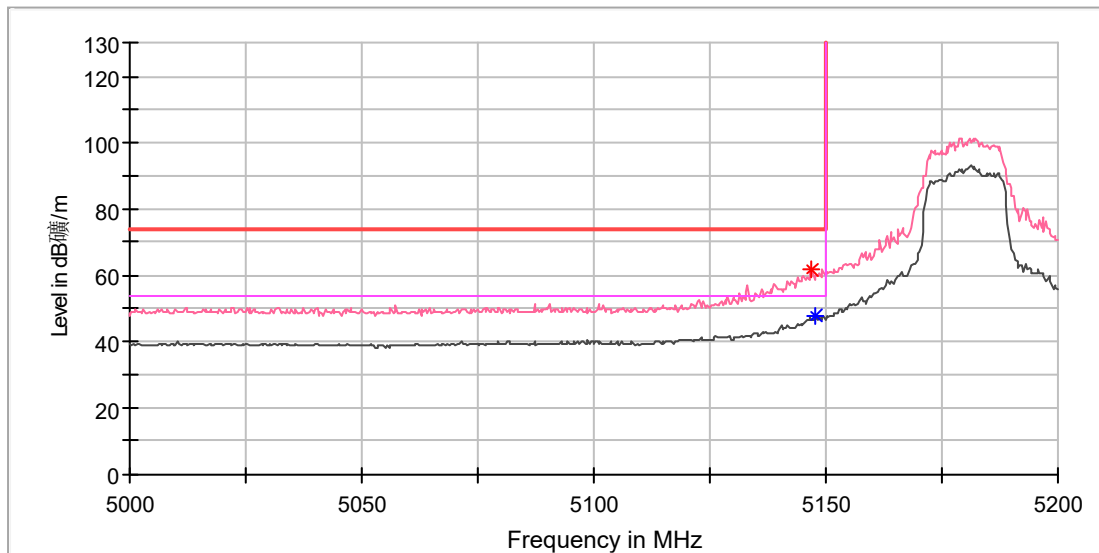
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5145.366667	65.24	50.65	54.00	3.35	150.0	H	114.0	12.4
5148.972222	50.65	50.65	74.00	8.76	150.0	H	114.0	12.4

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11a_Ch36
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

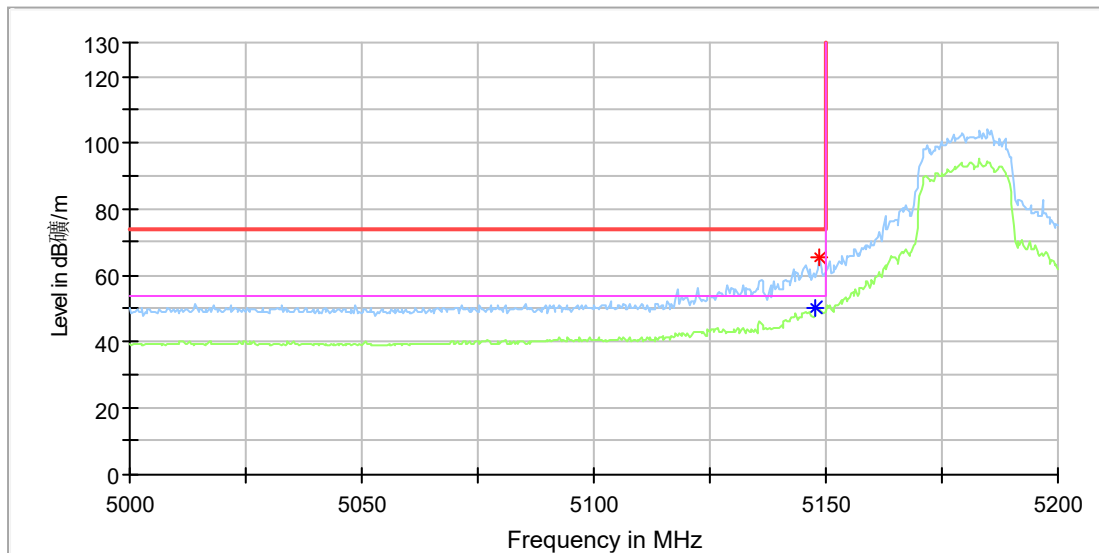
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.005556	61.47	---	74.00	12.53	150.0	V	266.0	12.4
5147.988889	---	47.85	54.00	6.15	150.0	V	94.0	12.4

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax20_Ch36
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

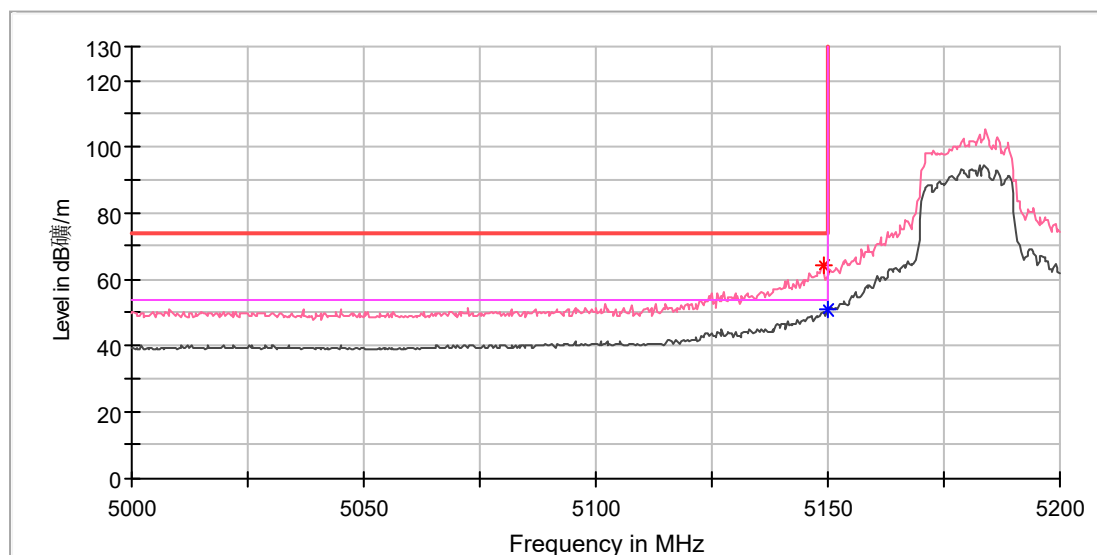
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.988889	---	50.29	54.00	3.71	150.0	H	104.0	12.4
5148.644445	65.28	---	74.00	8.72	150.0	H	104.0	12.4

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax20_Ch36
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

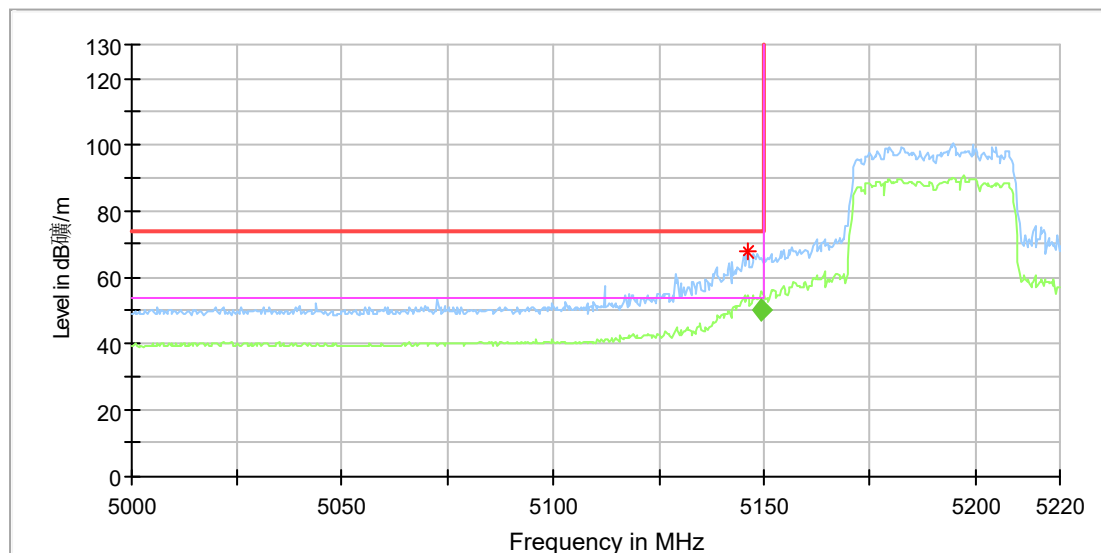
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.972222	64.38	---	74.00	9.62	150.0	V	261.0	12.4
5149.955556	---	50.62	54.00	3.38	150.0	V	200.0	12.4

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
 Model: L01WC014-CS-H
 Test Mode: WIFI 5G_11ax40_Ch38
 Order No/Sample No: 168421836/A003448177-005
 Test Voltage: 120V/60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

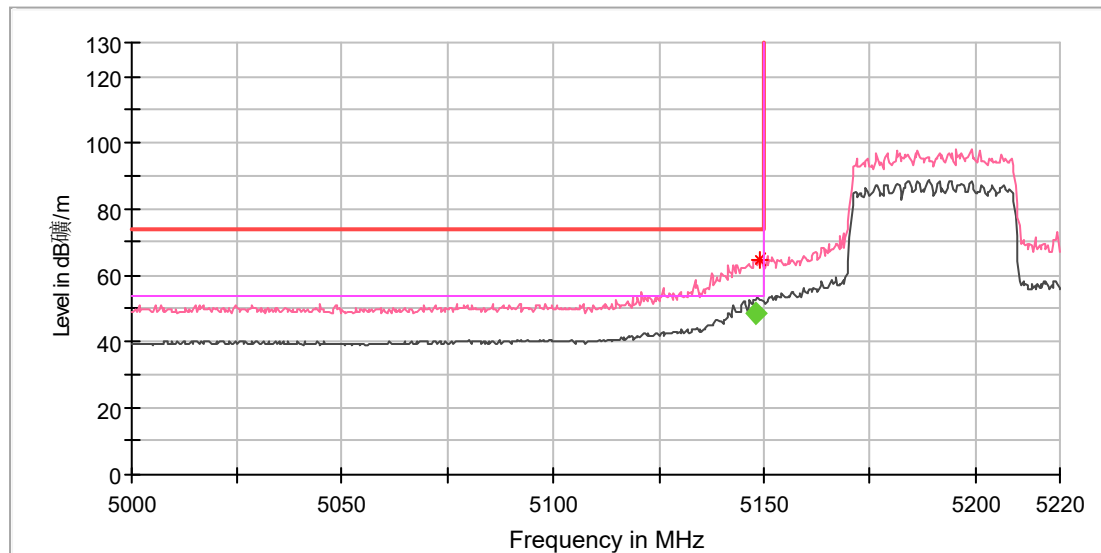
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5146.022222	67.60	—	74.00	6.40	150.0	H	110.0	12.4

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.427778	50.39	54.00	3.61	148.0	H	108.0	12.4

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11ax40_Ch38
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

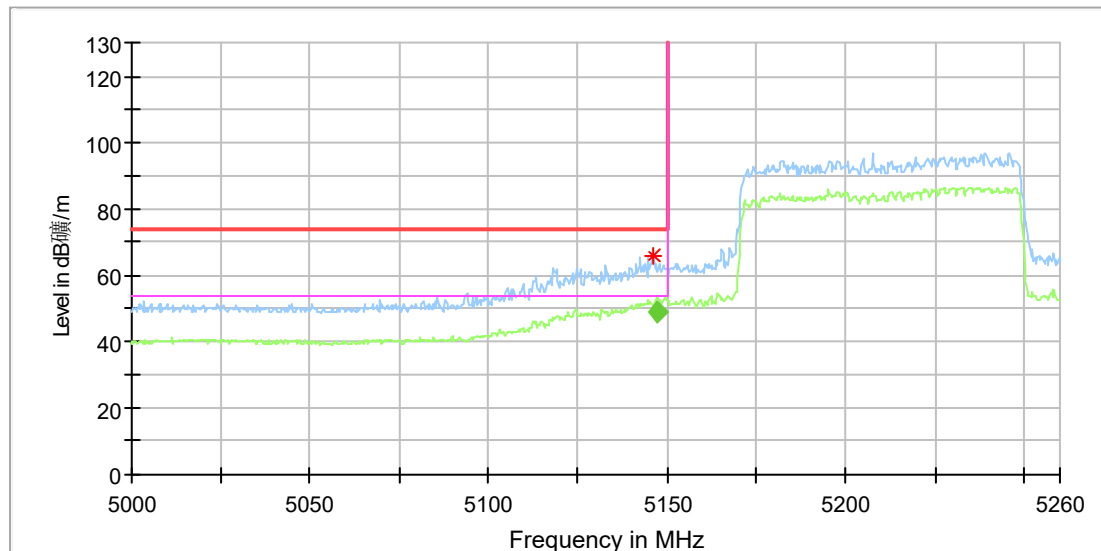
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.644445	64.95	—	74.00	9.05	150.0	V	263.0	12.4

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.075000	48.57	54.00	5.43	148.0	V	262.0	12.4

EUT Information

EUT Name: ThinkBook Wireless Dock
 Model: L01WC014-CS-H
 Test Mode: WIFI 5G_11ax80_Ch42
 Order No/Sample No: 168421836/A003448177-005
 Test Voltage: 120V/60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

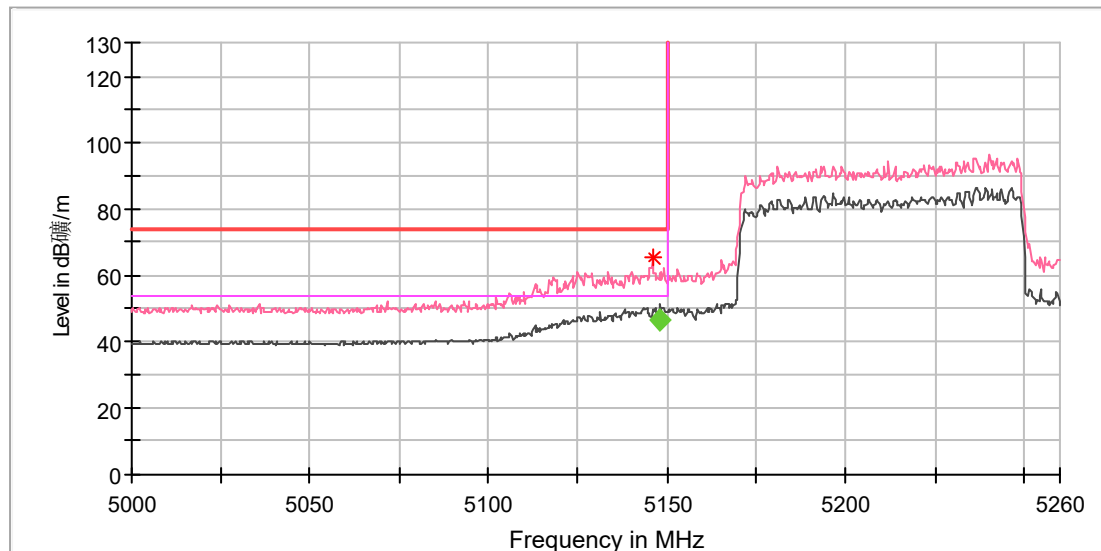
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5146.350000	65.72	—	74.00	8.28	150.0	H	117.0	12.4

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.291667	48.94	54.00	5.06	148.0	H	112.0	12.4

EUT Information

EUT Name: ThinkBook Wireless Dock
 Model: L01WC014-CS-H
 Test Mode: WIFI 5G_11ax80_Ch42
 Order No/Sample No: 168421836/A003448177-005
 Test Voltage: 120V/60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 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)
5146.022222	65.16	—	74.00	8.84	150.0	V	284.0	12.4

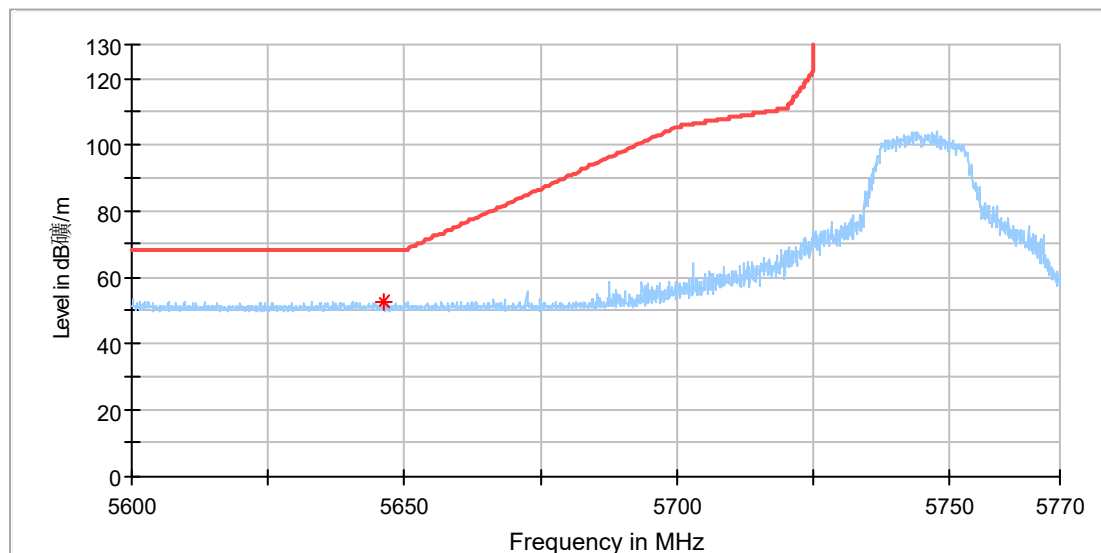
Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.961111	46.49	54.00	7.51	148.0	V	289.0	12.4

U-NII-3 Band

EUT Information

EUT Name:	ThinkBook Wireless Dock
Model:	L01WC014-CS-H
Test Mode:	WIFI 5G_11a_Ch149
Order No/Sample No:	168421836/A003448177-005
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

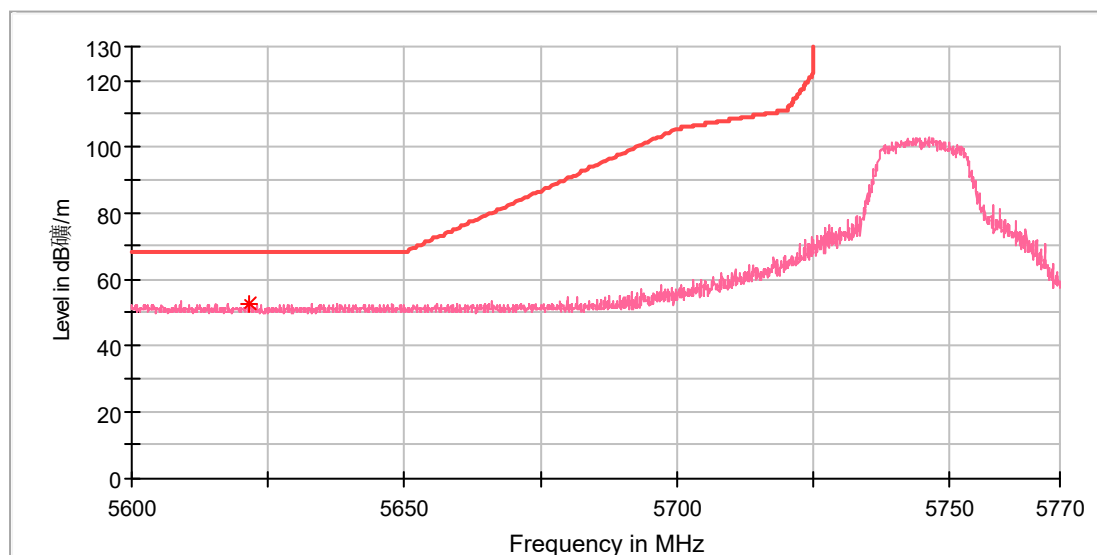
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5646.322222	52.61	68.20	15.59	150.0	H	76.0	13.8

Final Result

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

EUT Information

EUT Name:	ThinkBook Wireless Dock
Model:	L01WC014-CS-H
Test Mode:	WIFI 5G_11a_Ch149
Order No/Sample No:	168421836/A003448177-005
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

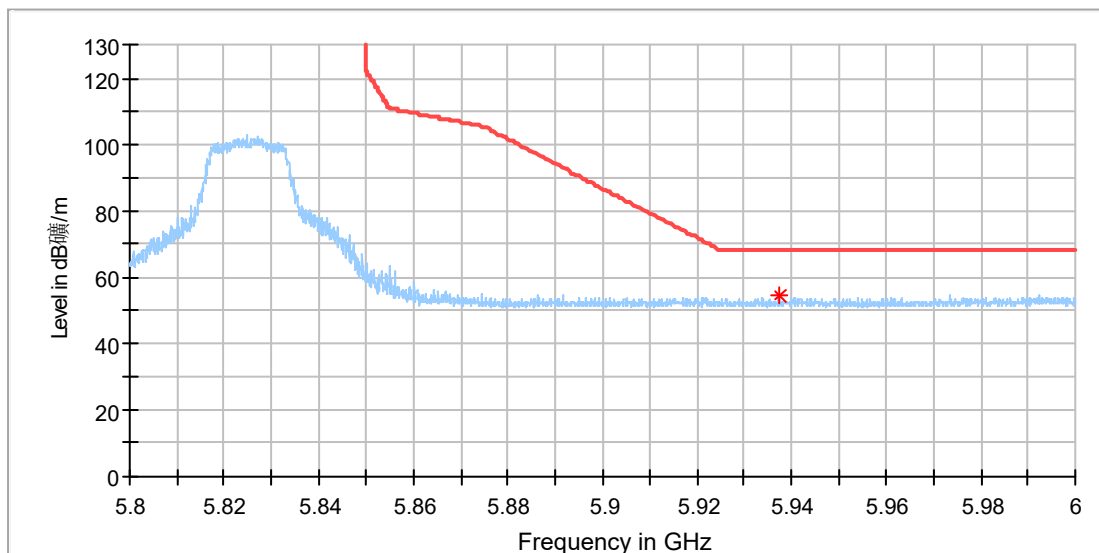
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5621.633333	52.78	68.20	15.42	150.0	V	98.0	13.8

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11a_Ch165
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

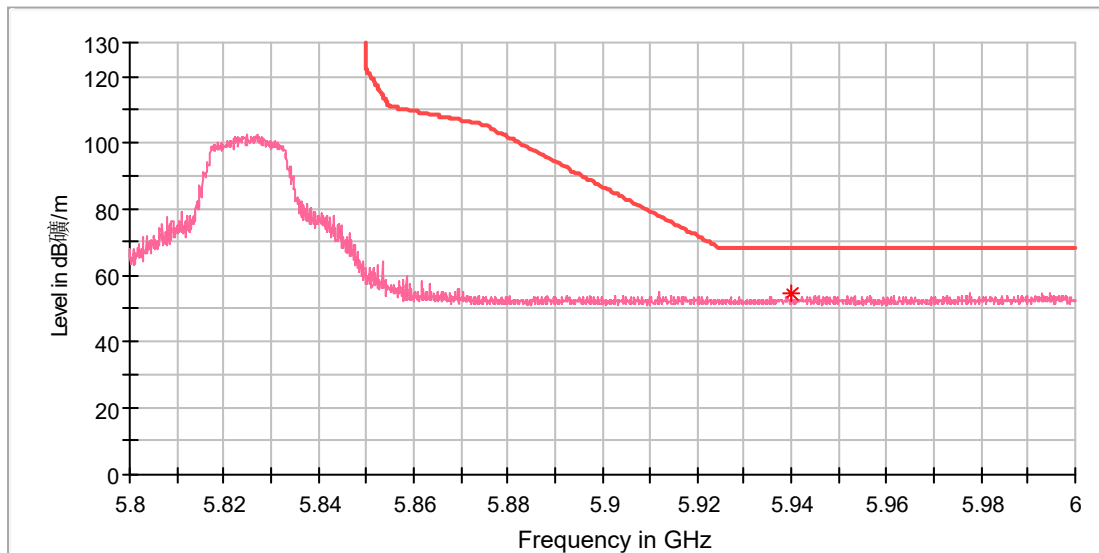
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5937.516667	54.36	68.20	13.84	150.0	H	69.0	14.7

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11a_Ch165
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

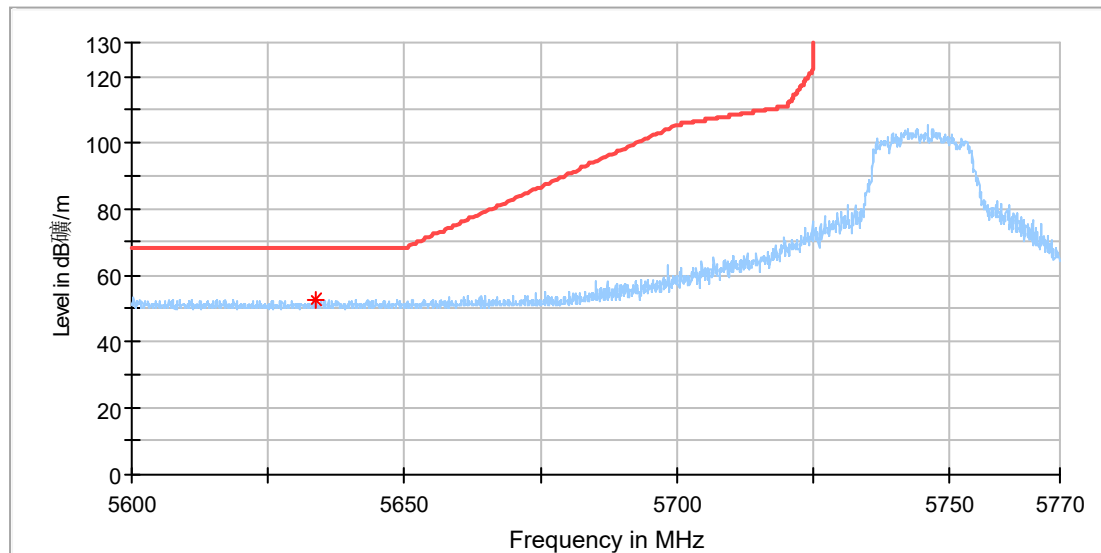
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5939.944445	54.32	68.20	13.88	150.0	V	312.0	14.7

Final_Result

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

EUT Name: ThinkBook Wireless Dock
 Model: L01WC014-CS-H
 Test Mode: WIFI 5G_11n20_Ch149
 Order No/Sample No: 168421836/A003448177-005
 Test Voltage: 120V/60Hz
 Remark: Temp 23 Humi:53%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

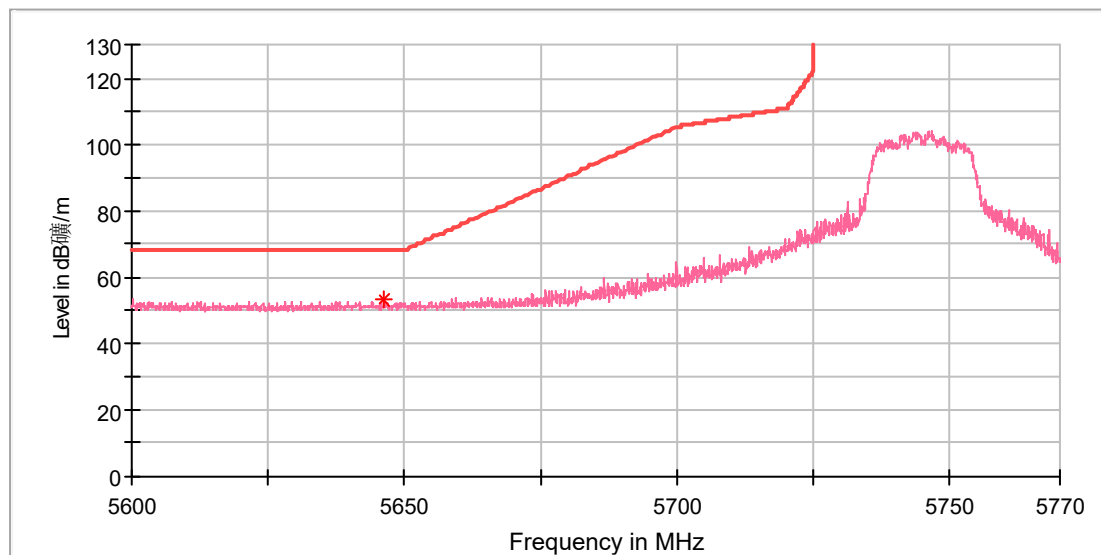
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5633.794445	52.65	68.20	15.55	150.0	H	214.0	13.8

Final Result

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

EUT Name:	ThinkBook Wireless Dock
Model:	L01WC014-CS-H
Test Mode:	WIFI 5G_11n20_Ch149
Order No/Sample No:	168421836/A003448177-005
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

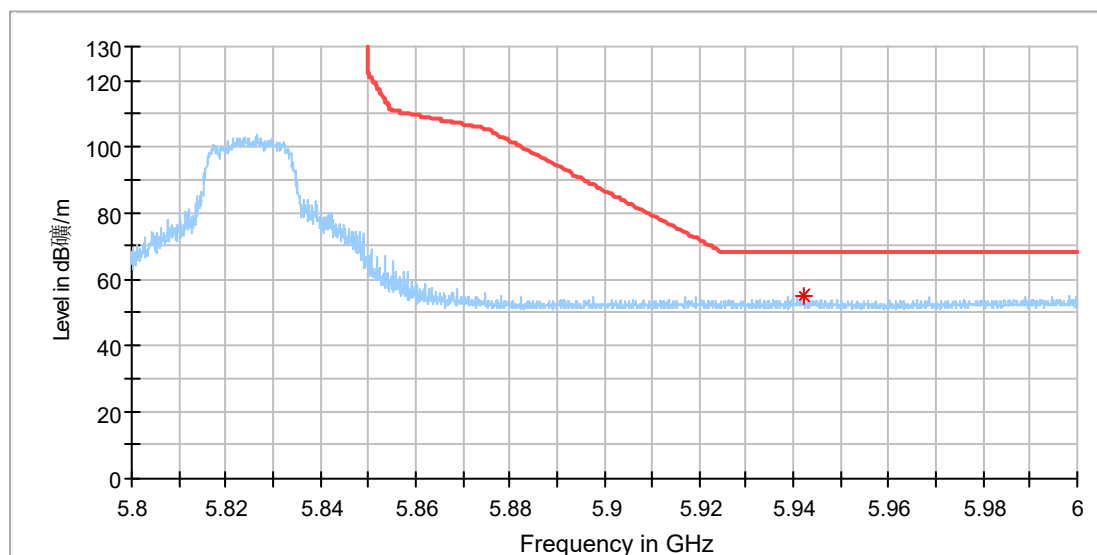
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5646.322222	53.39	68.20	14.81	150.0	V	221.0	13.8

Final_Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11n20_Ch165
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

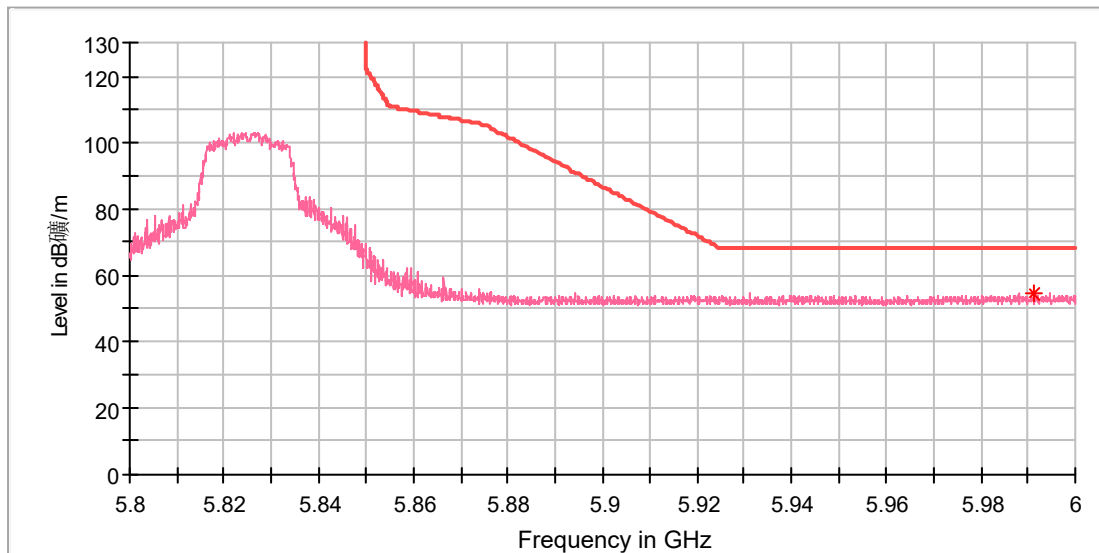
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5942.180556	54.95	68.20	13.25	150.0	H	0.0	14.7

Final_Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11n20_Ch165
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

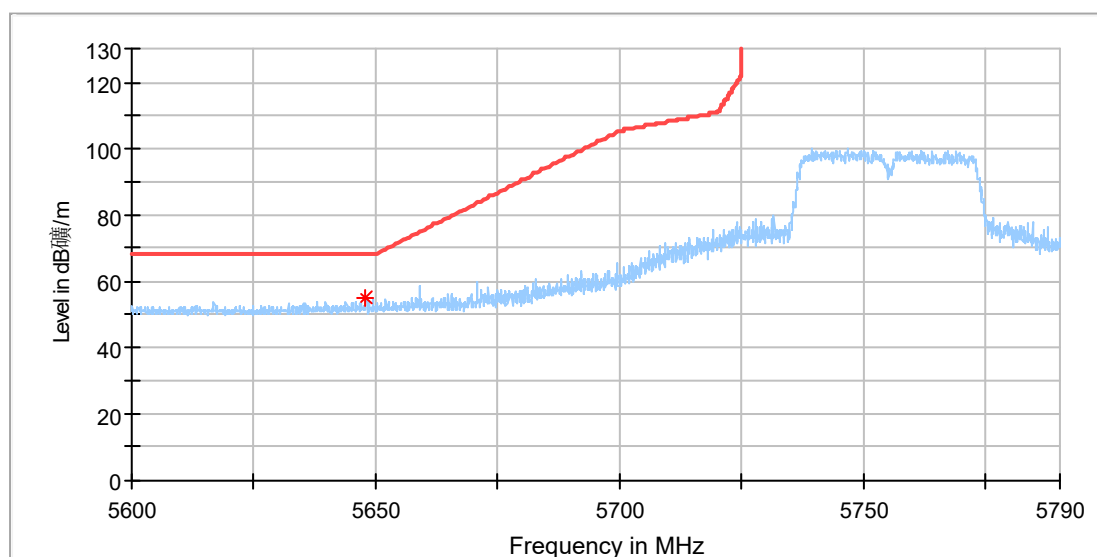
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5991.119444	54.70	68.20	13.50	150.0	V	162.0	15.0

Final Result

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

EUT Information

EUT Name:	ThinkBook Wireless Dock
Model:	L01WC014-CS-H
Test Mode:	WIFI 5G_11n40_Ch151
Order No/Sample No:	168421836/A003448177-005
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

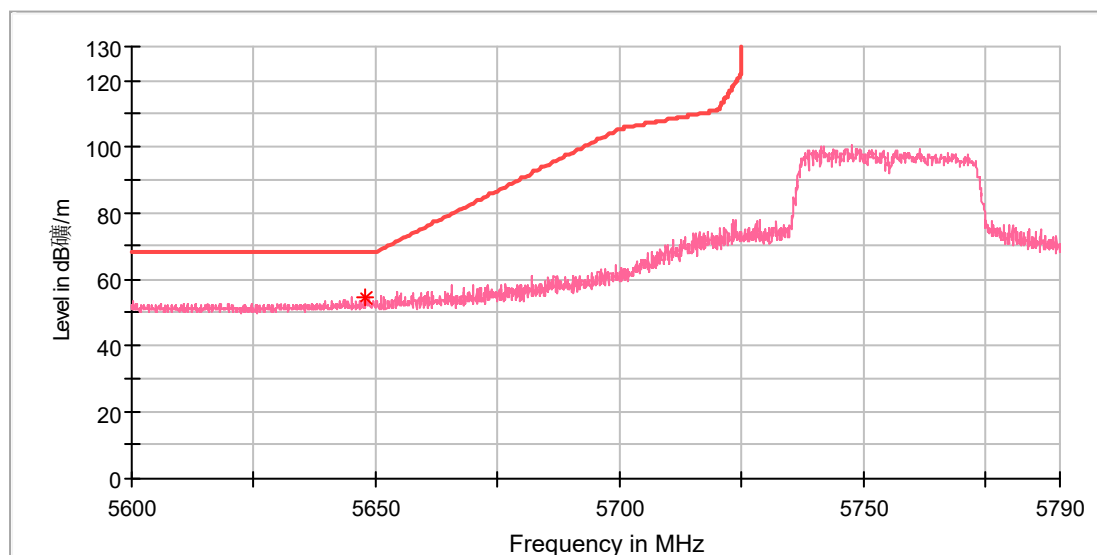
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5647.972222	55.12	68.20	13.08	150.0	H	75.0	13.8

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

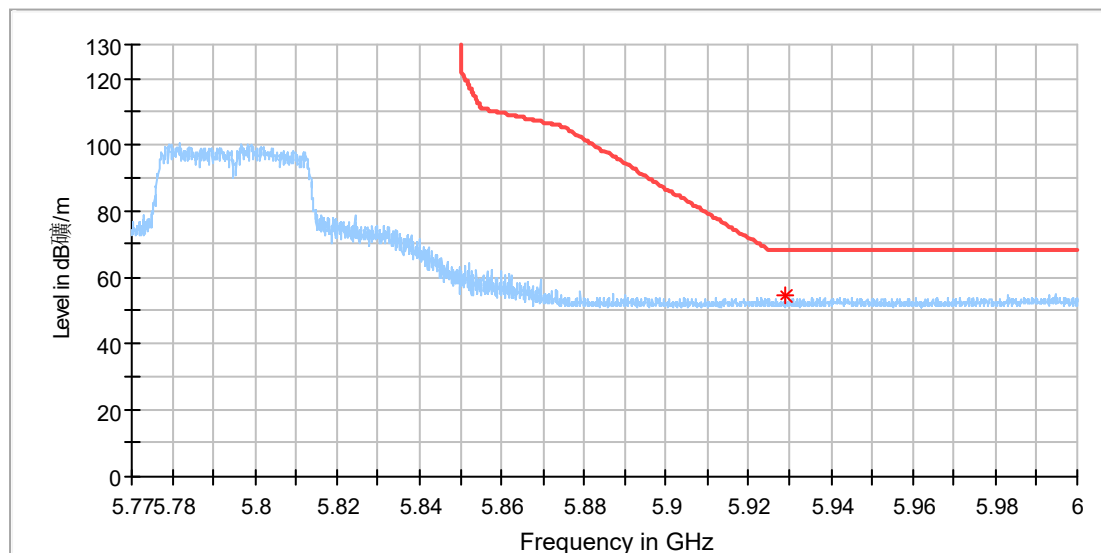
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5647.788889	54.25	68.20	13.95	150.0	V	279.0	13.8

Final Result

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

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

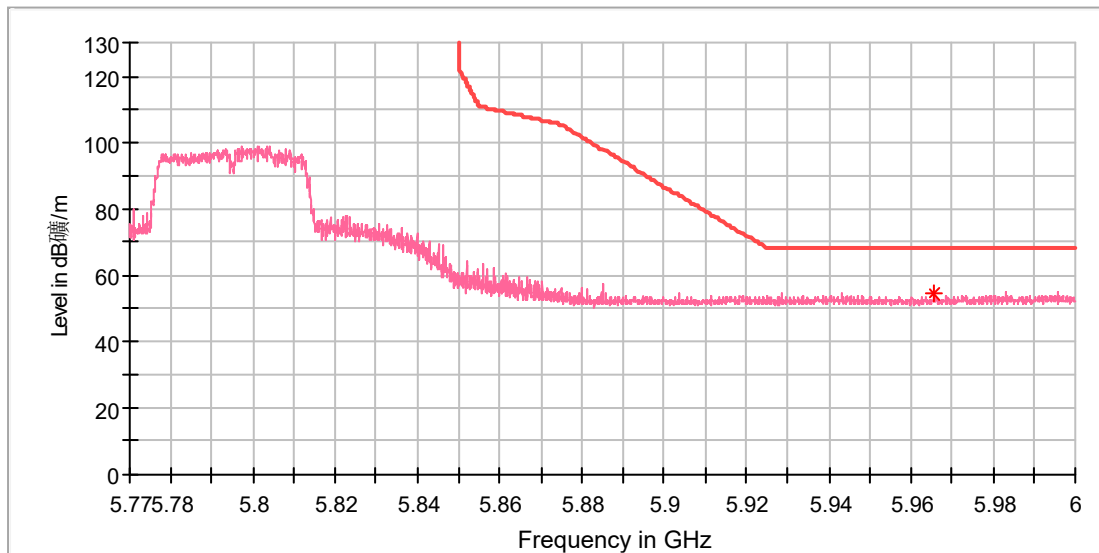
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5929.083333	54.21	68.20	13.99	150.0	H	111.0	14.7

Final Result

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

EUT Information

EUT Name: ThinkBook Wireless Dock
Model: L01WC014-CS-H
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: 168421836/A003448177-005
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

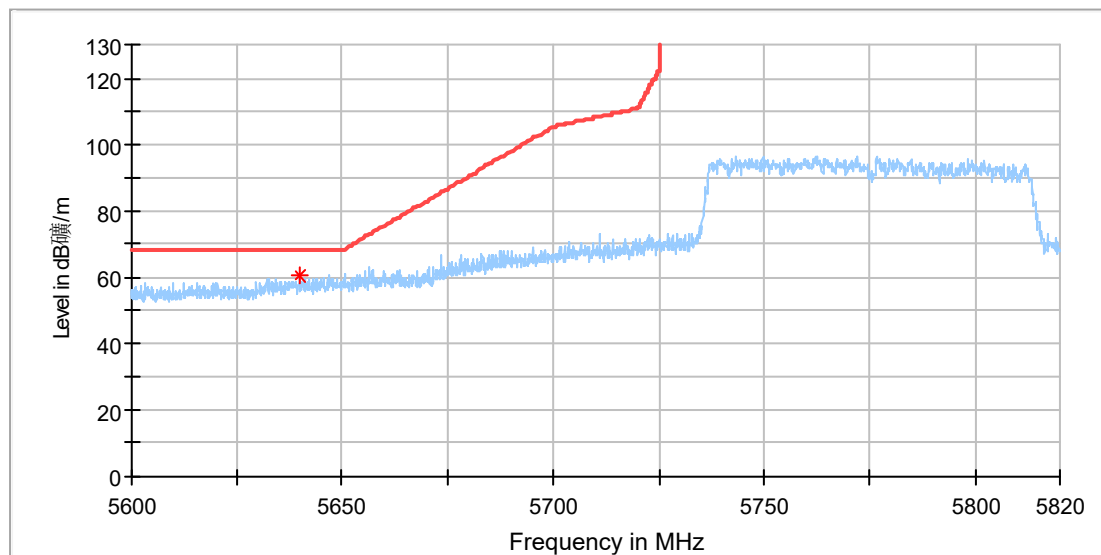
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5965.500000	54.67	68.20	13.53	150.0	V	232.0	14.8

Final Result

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

EUT Name:	ThinkBook Wireless Dock
Model:	L01WC014-CS-H
Test Mode:	WIFI 5G_11ac80_Ch155
Order No/Sample No:	168421836/A003448177-005
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

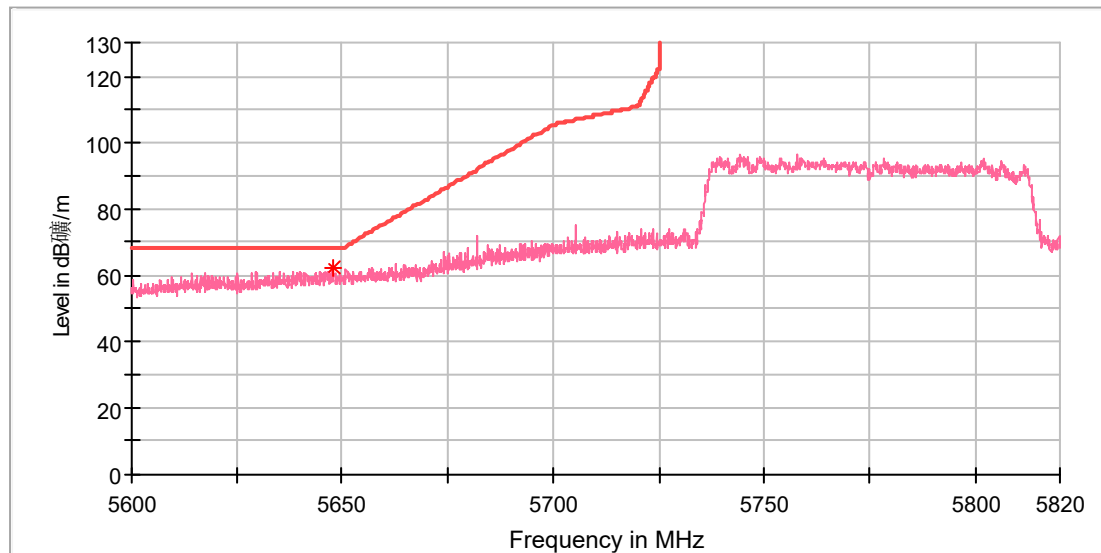
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5639.722222	60.58	68.20	7.62	150.0	H	51.0	13.8

Final Result

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

EUT Name:	ThinkBook Wireless Dock
Model:	L01WC014-CS-H
Test Mode:	WIFI 5G_11ac80_Ch155
Order No/Sample No:	168421836/A003448177-005
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
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)
5647.727778	62.02	68.20	6.18	150.0	V	279.0	13.8

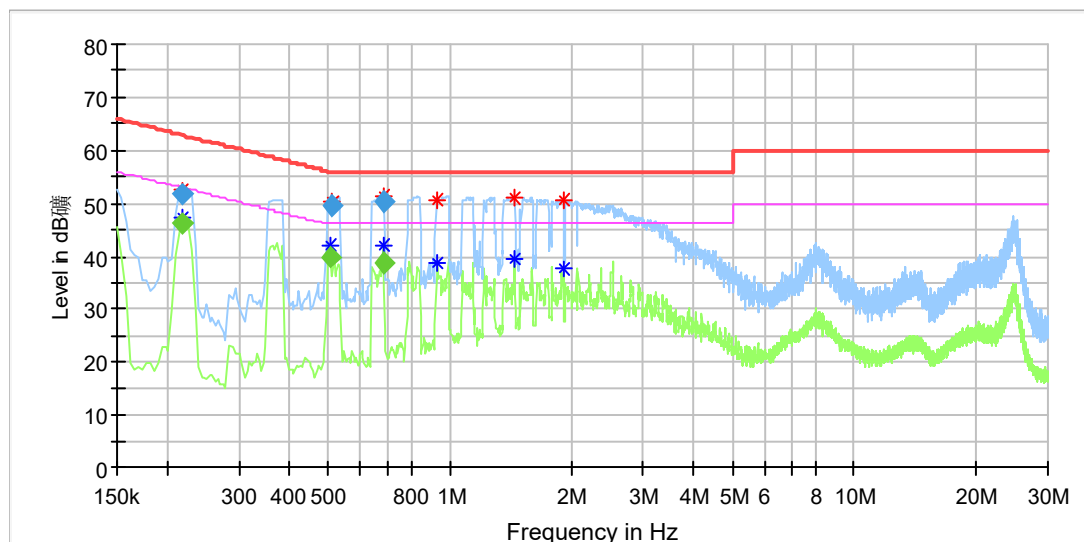
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.9: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name: ThinkBook Wireless Dock
Order No: 168421836(P01020675)
Model: L01WC014-CS-H
Test Mode: Normal Operation + Type-C connected to Hard disk + Wireless Operation 2.4/5GHz Wi-Fi + Charge to Phone via Qi
Test Voltage: AC 120V/ 60Hz
Test By./Review By: Soloman Wu/Gary Chen
Standard: FCC Part 15
Tem./Hum./Pressure: 23.0°C/50.8%/101kPa
Remark: SR1



Critical Freqs

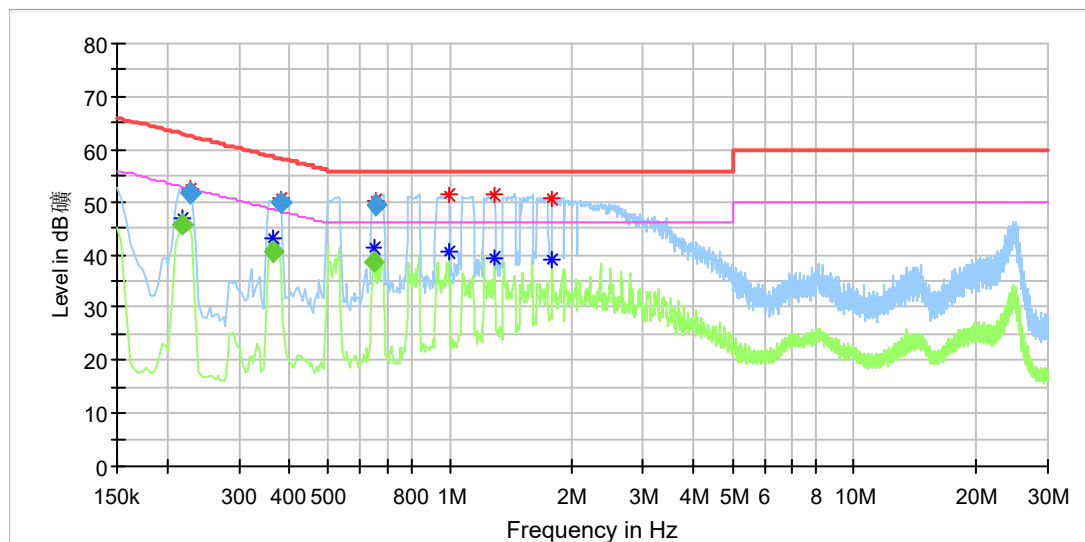
Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.216500	52.38	---	62.90	10.51	L1	9.8
0.216500	---	47.41	52.90	5.48	L1	9.8
0.504000	---	42.11	46.00	3.89	L1	10.0
0.513500	50.19	---	56.00	5.81	L1	10.0
0.682500	---	42.07	46.00	3.93	L1	9.9
0.682500	51.18	---	56.00	4.82	L1	9.9
0.924000	50.63	---	56.00	5.37	L1	9.8
0.928000	---	38.70	46.00	7.30	L1	9.8
1.436000	50.87	---	56.00	5.13	L1	9.9
1.440000	---	39.59	46.00	6.41	L1	9.9
1.904000	---	37.53	46.00	8.47	L1	9.9
1.904000	50.71	---	56.00	5.29	L1	9.9

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.216500	---	46.20	52.95	6.75	1000.0	9.000	L1	9.8
0.216500	51.72	---	62.95	11.23	1000.0	9.000	L1	9.8
0.504000	---	39.72	46.00	6.28	1000.0	9.000	L1	10.0
0.513500	49.45	---	56.00	6.55	1000.0	9.000	L1	10.0
0.682500	---	38.55	46.00	7.45	1000.0	9.000	L1	9.9
0.682500	50.21	---	56.00	5.79	1000.0	9.000	L1	9.9

EUT Information

EUT Name: ThinkBook Wireless Dock
 Order No: 168421836(P01020675)
 Model: L01WC014-CS-H
 Test Mode: Normal Operation + Type-C connected to Hard disk + Wireless Operation 2.4/5GHz Wi-Fi + Charge to Phone via Qi
 Test Voltage: AC 120V/ 60Hz
 Test By:/Review By: Solomon Wu/Gary Chen
 Standard: FCC Part 15
 Tem./Hum./Pressure: 23.0°C/50.8%/101kPa
 Remark: SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.216500	---	47.00	52.90	5.89	N	9.7
0.227500	52.59	---	63.05	10.46	N	9.7
0.364500	---	43.24	48.32	5.08	N	9.8
0.380500	50.63	---	58.32	7.69	N	9.8
0.646500	---	41.47	46.00	4.53	N	9.9
0.657500	50.42	---	56.00	5.58	N	9.9
0.996000	51.17	---	56.00	4.83	N	9.7
0.996000	---	40.52	46.00	5.48	N	9.7
1.288000	51.19	---	56.00	4.81	N	9.8
1.288000	---	39.40	46.00	6.60	N	9.8
1.784000	50.47	---	56.00	5.53	N	10.0
1.784000	---	39.09	46.00	6.91	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.216500	---	45.93	52.95	7.02	1000.0	9.000	N	9.7
0.227500	51.57	---	62.54	10.97	1000.0	9.000	N	9.7
0.364500	---	40.61	48.63	8.01	1000.0	9.000	N	9.8
0.380500	49.75	---	58.27	8.52	1000.0	9.000	N	9.8
0.646500	---	38.84	46.00	7.16	1000.0	9.000	N	9.9
0.657500	49.37	---	56.00	6.63	1000.0	9.000	N	9.9