

Appendix C: Test Results of Wi-Fi operation for U-NII-3 Band and Conducted Emission on AC Mains

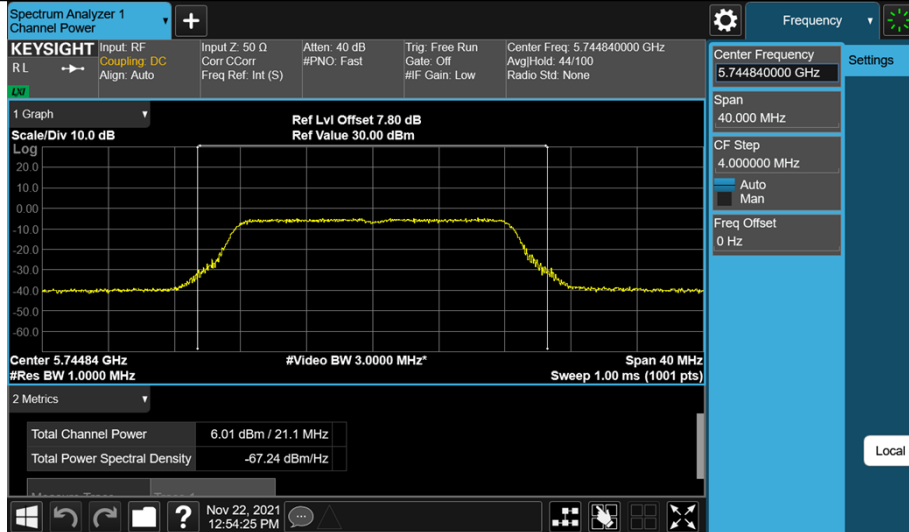
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|---|----|
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Appendix C.1: Test Results of Maximum Conducted Output Power

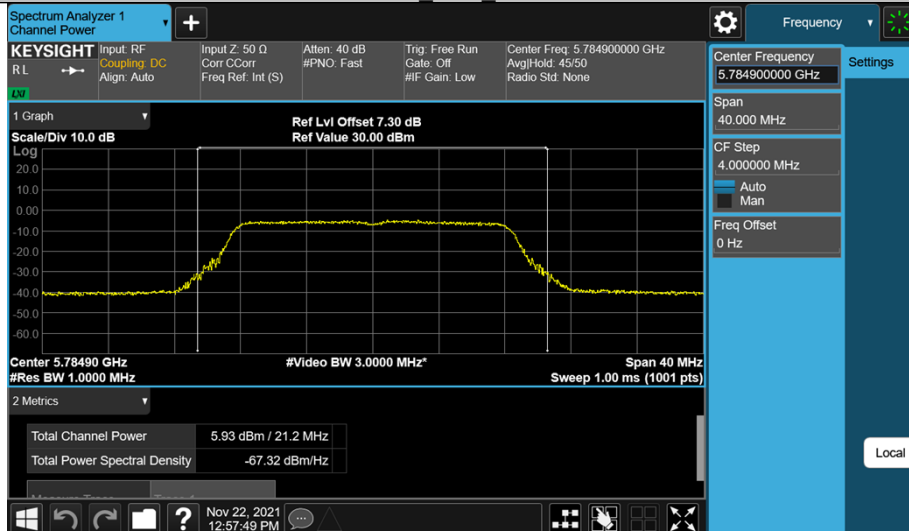
| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|-------------|------------|---------|
| 11A | Ant1 | 5745 | 6.01 | ≤30 | PASS |
| | | 5785 | 5.93 | ≤30 | PASS |
| | | 5825 | 6.27 | ≤30 | PASS |
| 11N20SISO | Ant1 | 5745 | 4.99 | ≤30 | PASS |
| | | 5785 | 4.98 | ≤30 | PASS |
| | | 5825 | 5.10 | ≤30 | PASS |

Note: The Duty Cycle Factor is compensated in the graph.

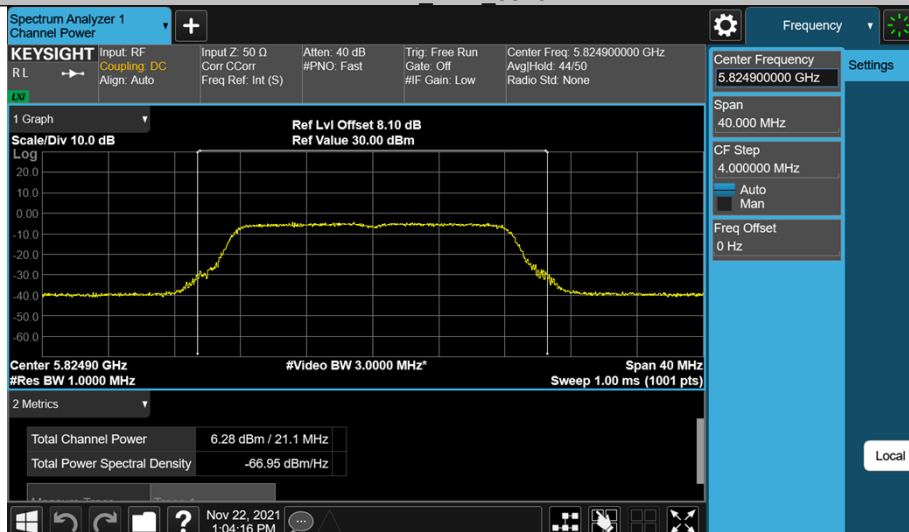
11A Ant1 5745

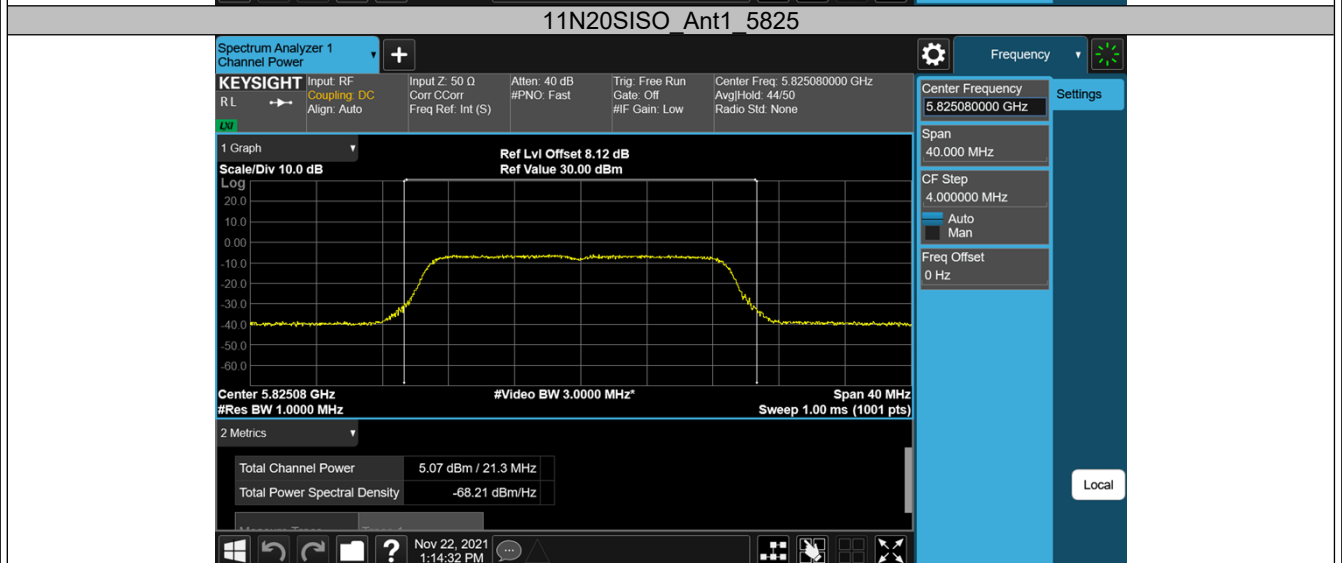
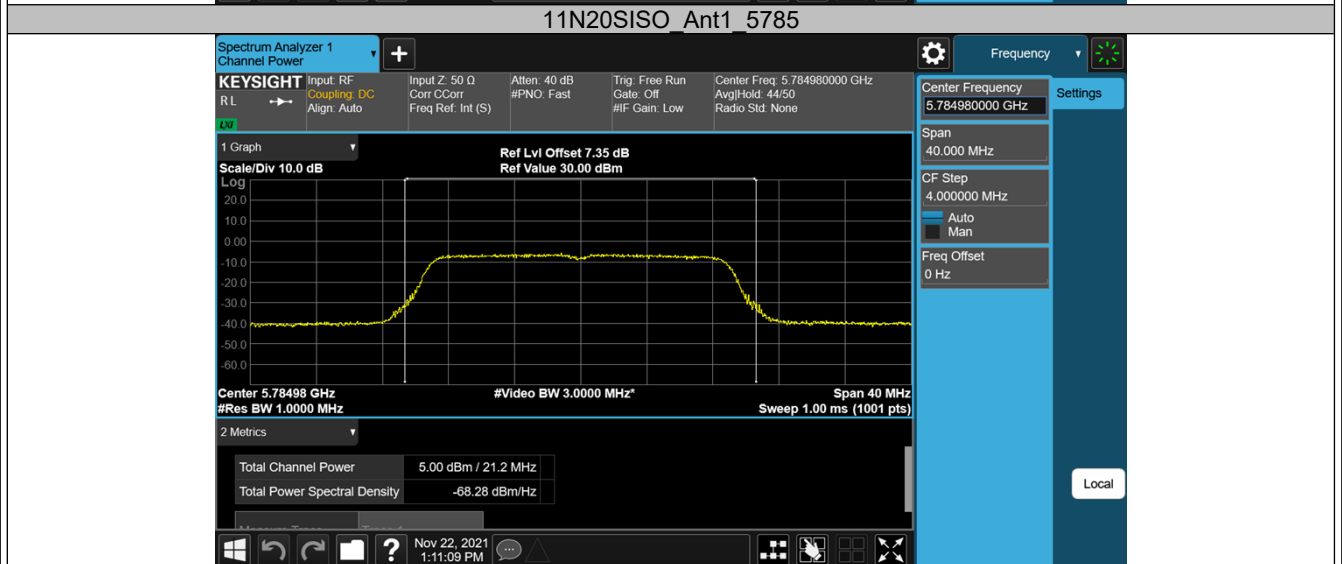
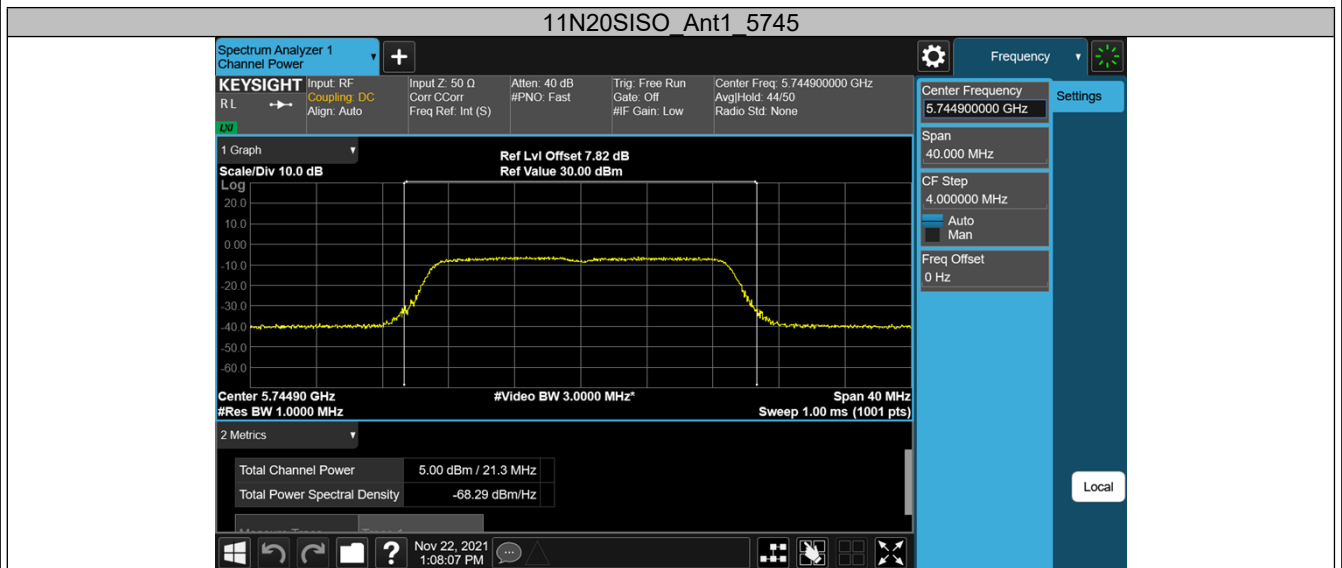


11A Ant1 5785



11A Ant1 5825

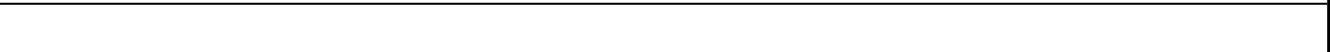




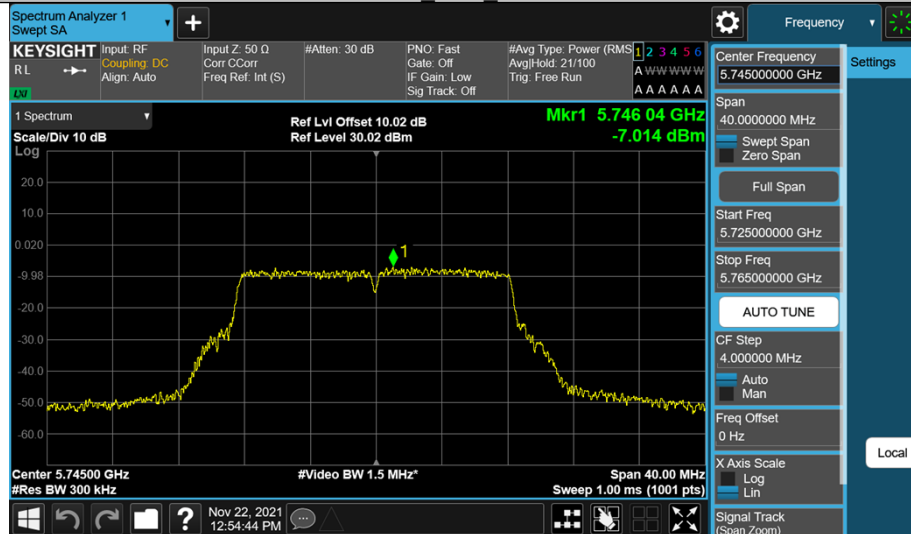
Appendix C.2: Test Results of Conducted Power Spectral Density

| TestMode | Antenna | Channel | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|-----------|---------|---------|------------------|----------------|---------|
| 11A | Ant1 | 5745 | -6.73 | ≤30 | PASS |
| | | 5785 | -6.66 | ≤30 | PASS |
| | | 5825 | -5.96 | ≤30 | PASS |
| 11N20SISO | Ant1 | 5745 | -7.98 | ≤30 | PASS |
| | | 5785 | -8.02 | ≤30 | PASS |
| | | 5825 | -7.74 | ≤30 | PASS |

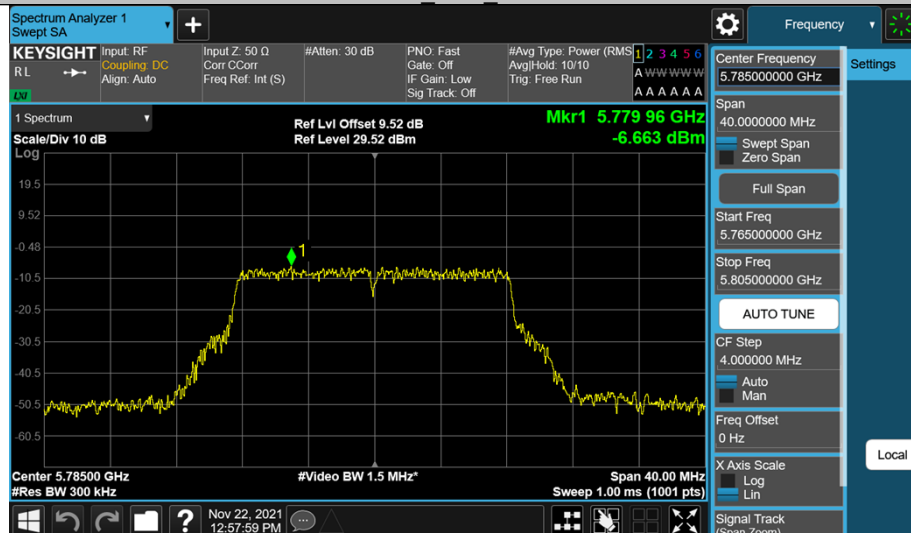
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.



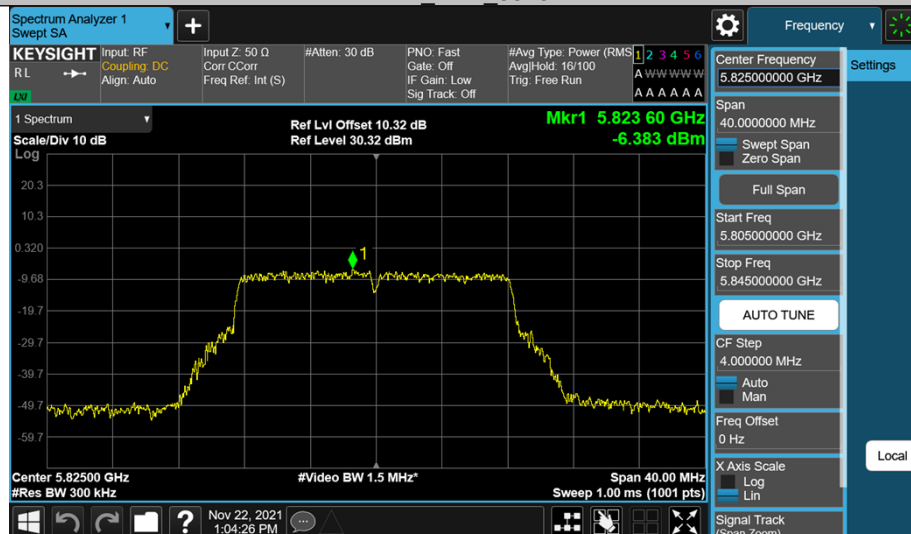
11A Ant1 5745



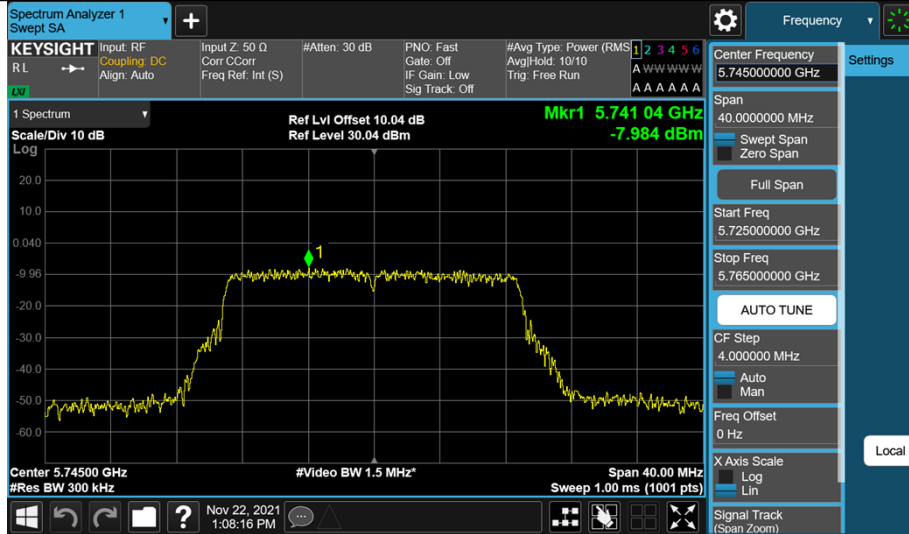
11A Ant1 5785



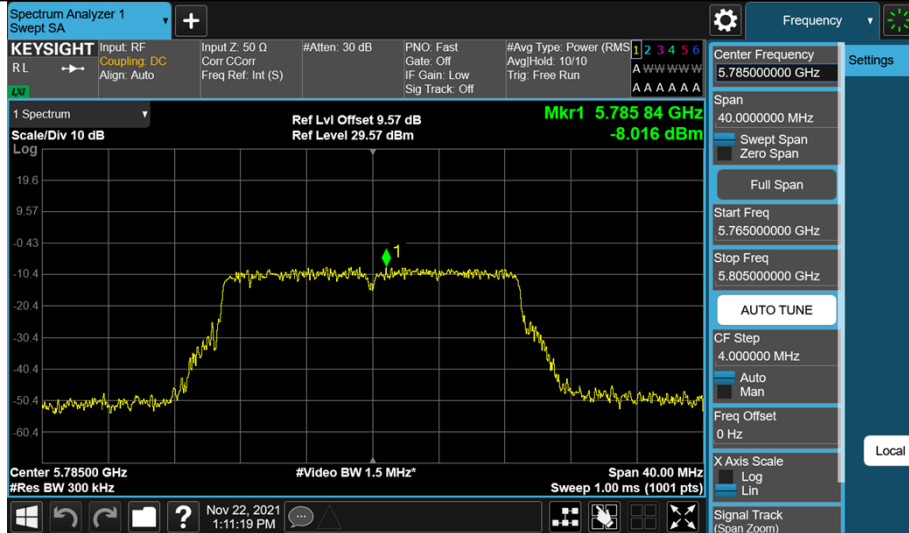
11A Ant1 5825



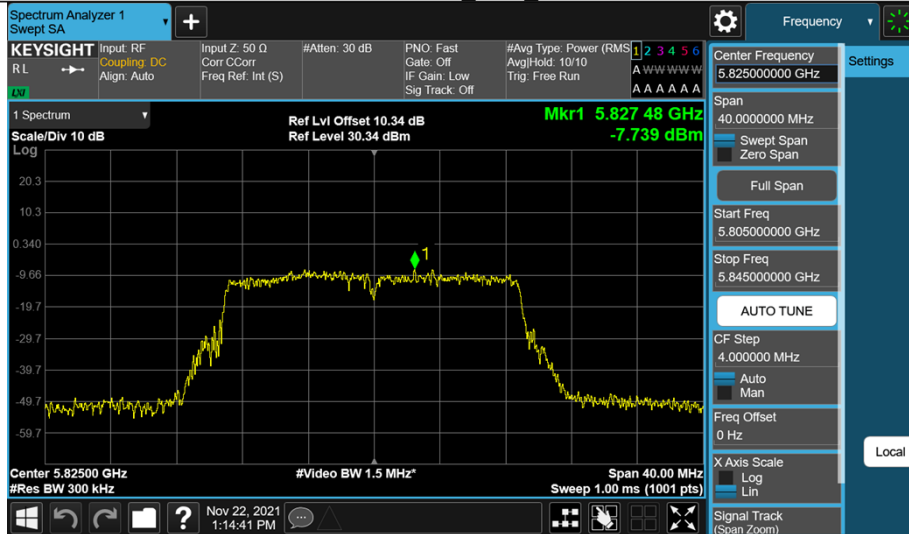
11N20SISO Ant1 5745



11N20SISO Ant1 5785



11N20SISO Ant1 5825



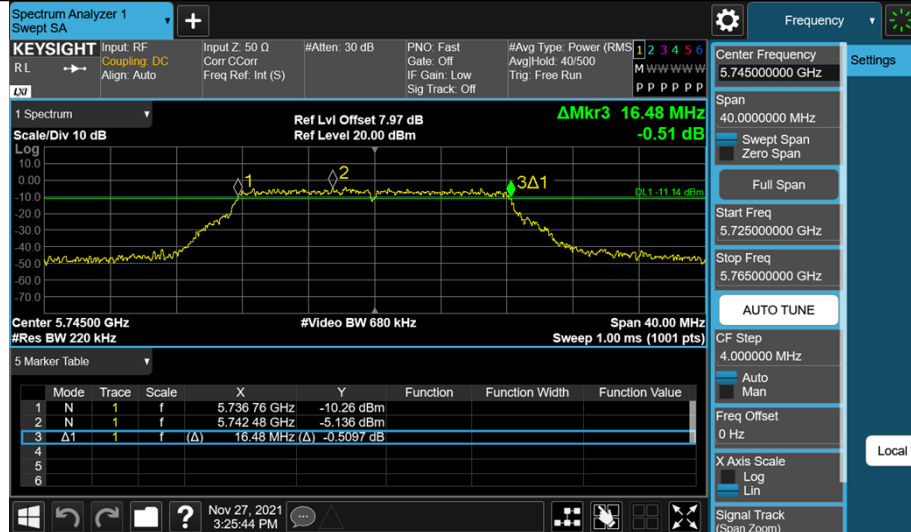
Appendix C.3: Test Results of Frequency Stability

| Voltage | | | | | | | | |
|-----------|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| TestMode | Antenna | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11A | Ant1 | 5745 | NV | NT | -79000 | -13.751088 | 20 | PASS |
| | | 5785 | NV | NT | -86000 | -14.866033 | 20 | PASS |
| | | 5825 | NV | NT | -88000 | -15.107296 | 20 | PASS |
| 11N20SISO | Ant1 | 5180 | NV | NT | -84000 | -16.216216 | 20 | PASS |
| | | 5745 | NV | NT | -85000 | -14.795474 | 20 | PASS |
| | | 5785 | NV | NT | -88000 | -15.211755 | 20 | PASS |
| | | 5825 | NV | NT | -89000 | -15.27897 | 20 | PASS |

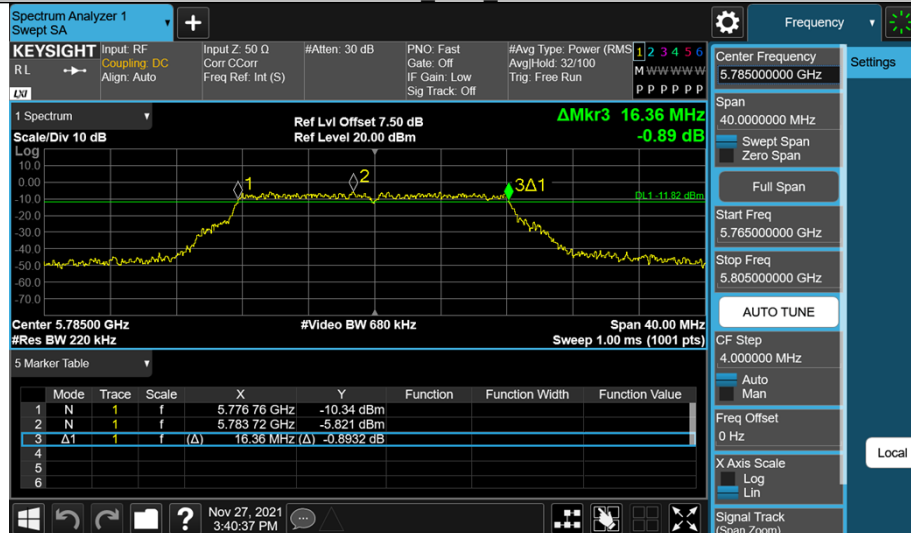
Appendix C.4: Test Results of 6dB Bandwidth

| TestMode | Antenna | Channel | 6db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|---------------|----------|----------|------------|---------|
| 11A | Ant1 | 5745 | 16.480 | 5736.760 | 5753.240 | --- | PASS |
| | | 5785 | 16.360 | 5737.720 | 5754.160 | --- | PASS |
| | | 5825 | 16.360 | 5814.360 | 5835.440 | --- | PASS |
| 11N20SISO | Ant1 | 5745 | 17.720 | 5734.240 | 5755.560 | --- | PASS |
| | | 5785 | 17.520 | 5774.360 | 5795.600 | --- | PASS |
| | | 5825 | 17.560 | 5814.440 | 5835.720 | --- | PASS |

11A Ant1 5745



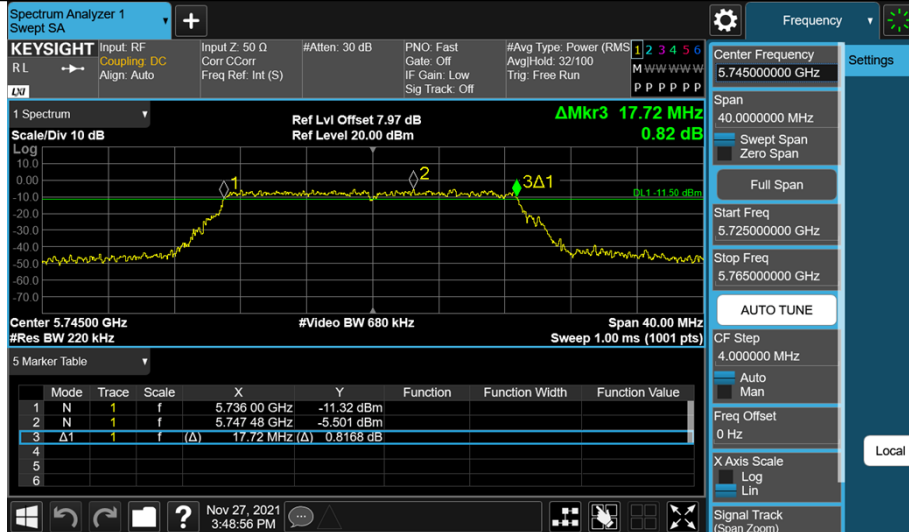
11A Ant1 5785



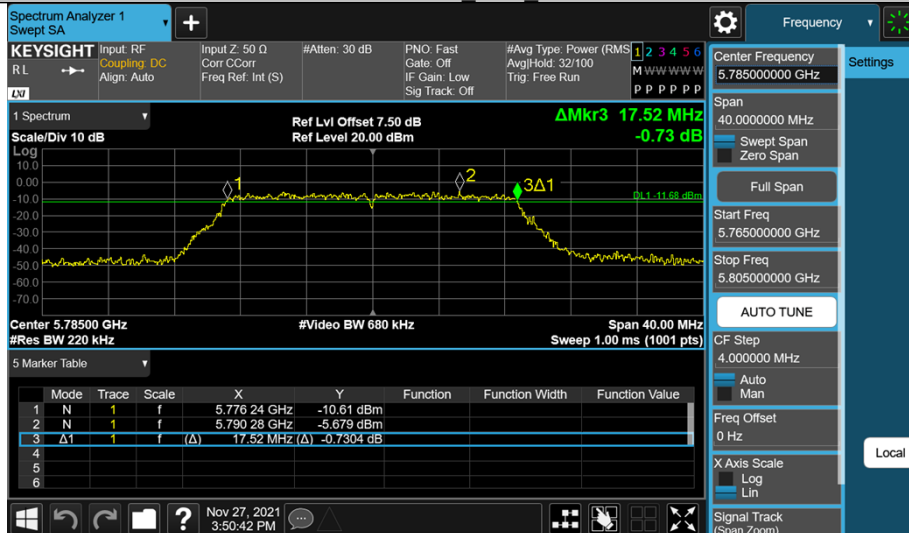
11A Ant1 5825



11N20SISO Ant1 5745



11N20SISO Ant1 5785



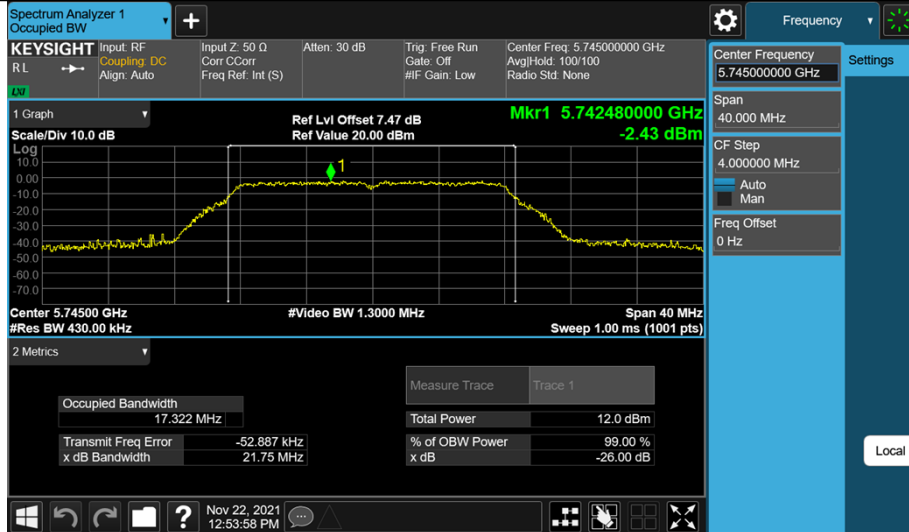
11N20SISO Ant1 5825



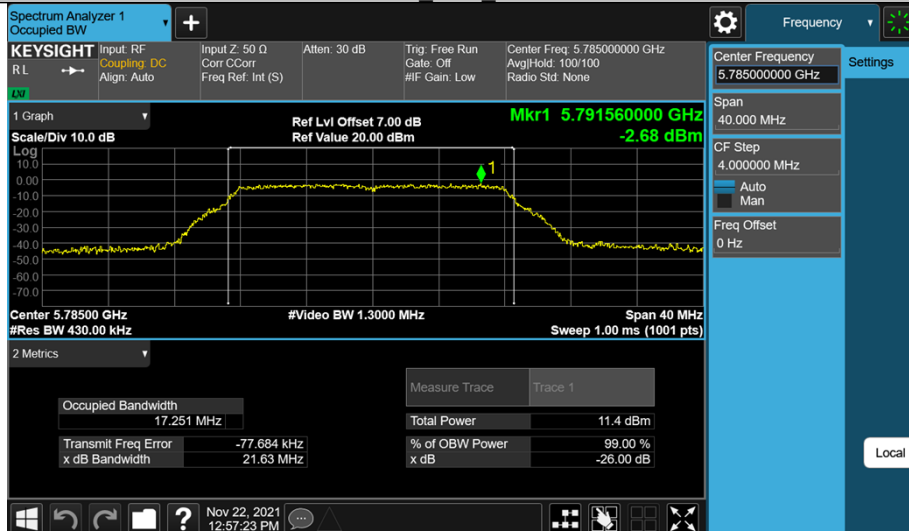
Appendix C.5: Test Results of 99% Bandwidth

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|-----------|----------|----------|------------|---------|
| 11A | Ant1 | 5745 | 17.322 | 5736.286 | 5753.608 | --- | PASS |
| | | 5785 | 17.251 | 5776.297 | 5793.548 | --- | PASS |
| | | 5825 | 17.222 | 5816.320 | 5833.542 | --- | PASS |
| 11N20SISO | Ant1 | 5745 | 18.279 | 5735.823 | 5754.102 | --- | PASS |
| | | 5785 | 18.297 | 5775.762 | 5794.059 | --- | PASS |
| | | 5825 | 18.362 | 5815.732 | 5834.094 | --- | PASS |

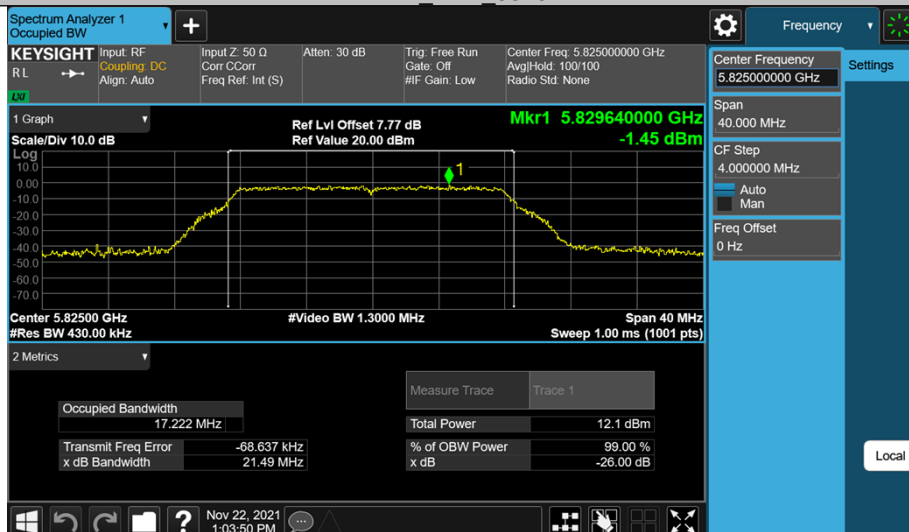
11A Ant1 5745



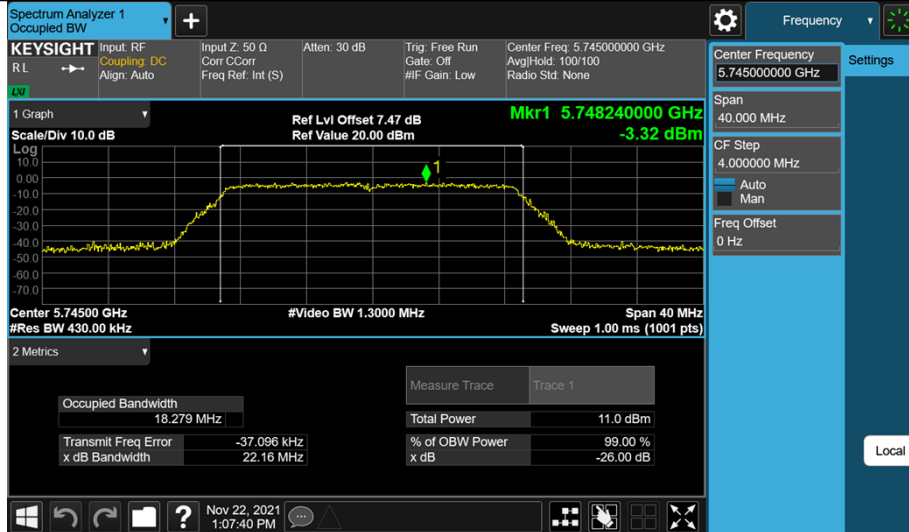
11A Ant1 5785



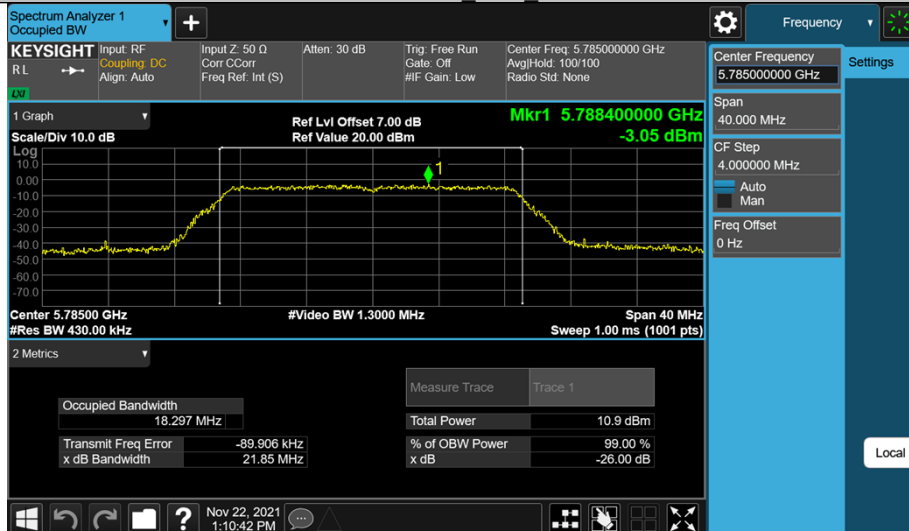
11A Ant1 5825



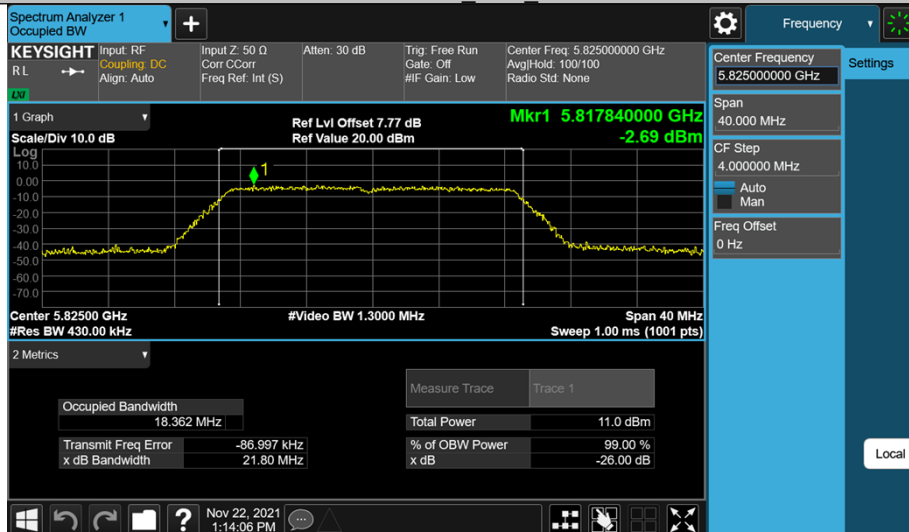
11N20SISO Ant1 5745



11N20SISO Ant1 5785



11N20SISO Ant1 5825

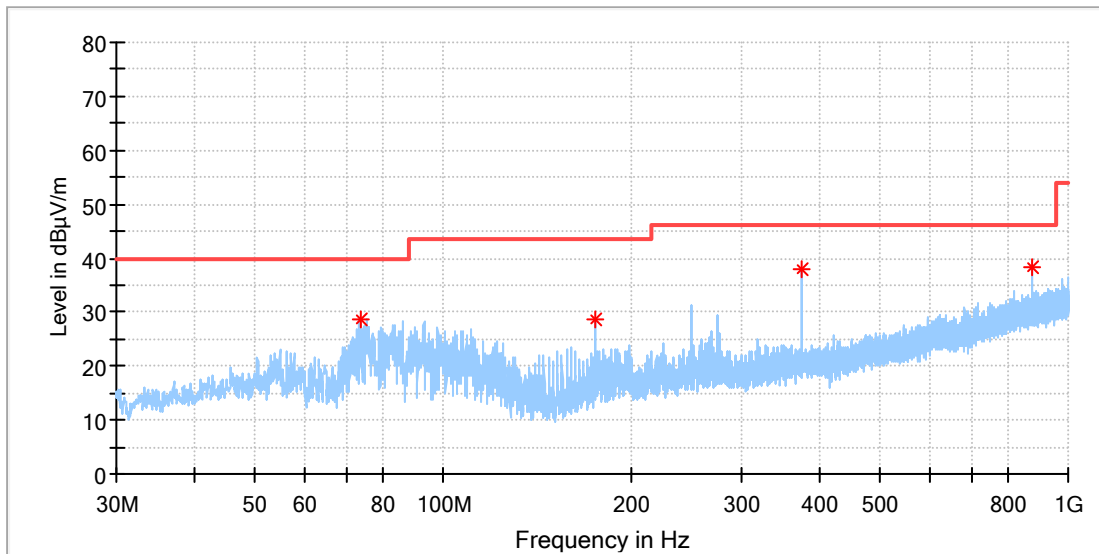


Note: Testing was carried out within frequency range 9 kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Appendix C.6: Test Results of Radiated Spurious Emissions 30MHz - 1GHz (Worst case)

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch149 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

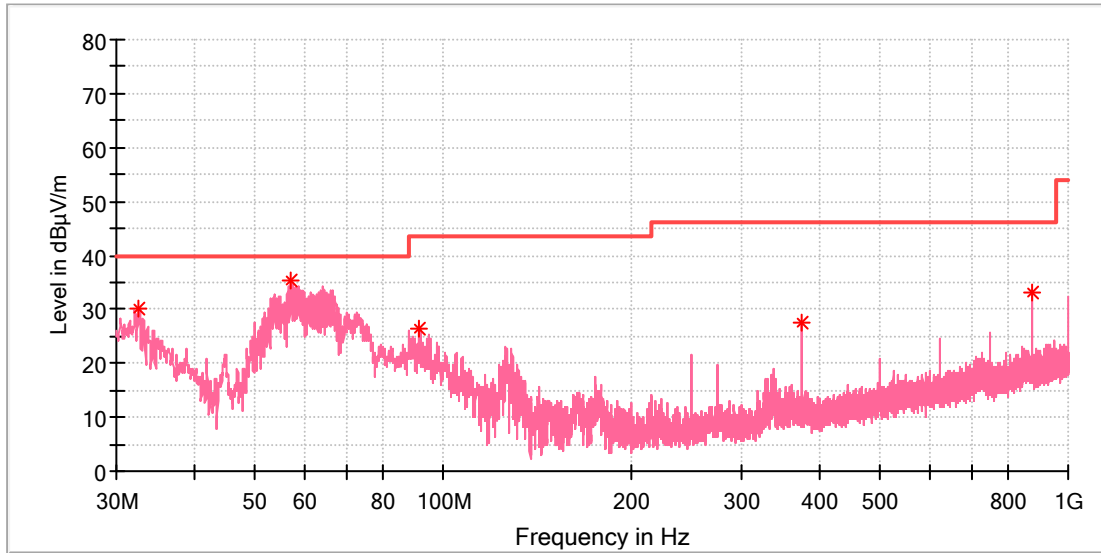
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 73.601500 | 28.79 | 40.00 | 11.21 | 100.0 | H | 75.0 | -23.0 |
| 174.966500 | 28.50 | 43.50 | 15.00 | 100.0 | H | 19.0 | -20.9 |
| 374.980500 | 38.12 | 46.00 | 7.88 | 100.0 | H | 340.0 | -14.3 |
| 875.064000 | 38.28 | 46.00 | 7.72 | 100.0 | H | 109.0 | -5.2 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch149 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| 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) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 32.648846 | 30.07 | 40.00 | 9.93 | 100.0 | V | 356.0 | -22.9 |
| 56.973462 | 35.17 | 40.00 | 4.83 | 100.0 | V | 65.0 | -19.0 |
| 91.781539 | 26.30 | 43.50 | 17.20 | 100.0 | V | 0.0 | -20.8 |
| 374.984231 | 27.48 | 46.00 | 18.52 | 100.0 | V | 177.0 | -14.7 |
| 874.981923 | 33.19 | 46.00 | 12.81 | 100.0 | V | 209.0 | -5.6 |

Final Result

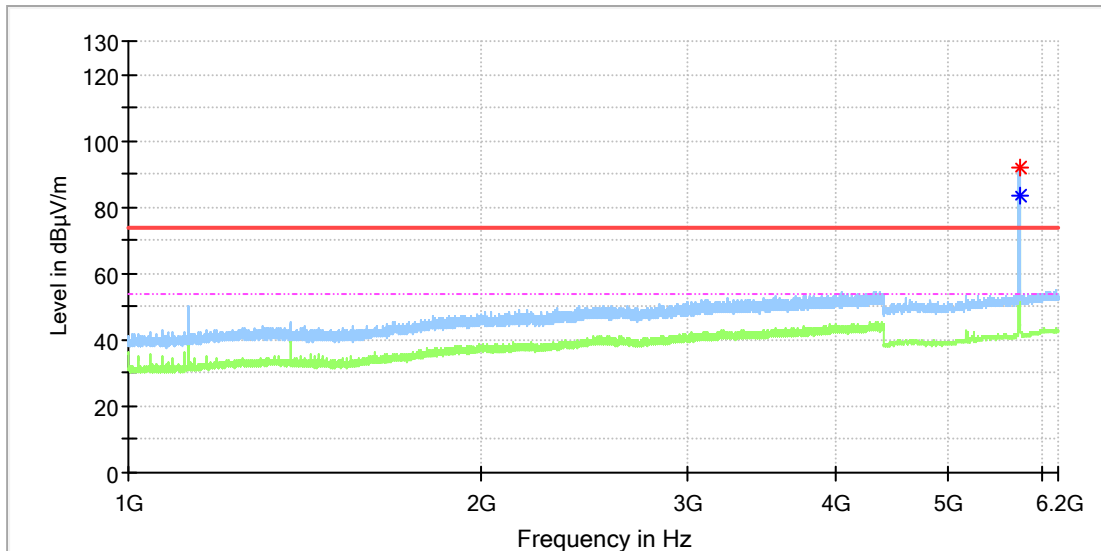
| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|--------------------|----------------|-------------|-------------|-----|---------------|--------------|
| --- | --- | --- | --- | --- | | --- | --- |

1GHz - 18GHz

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch149 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

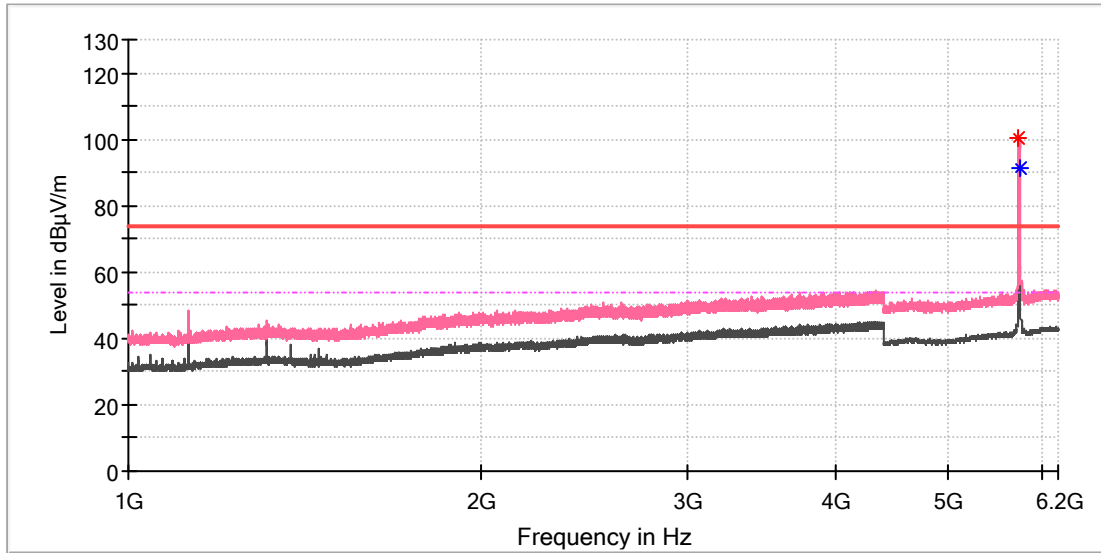
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5744.000000 | 92.16 | --- | | | 100.0 | H | 119.0 | 13.9 |
| 5747.500000 | --- | 83.27 | | | 100.0 | H | 278.0 | 13.9 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch149 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

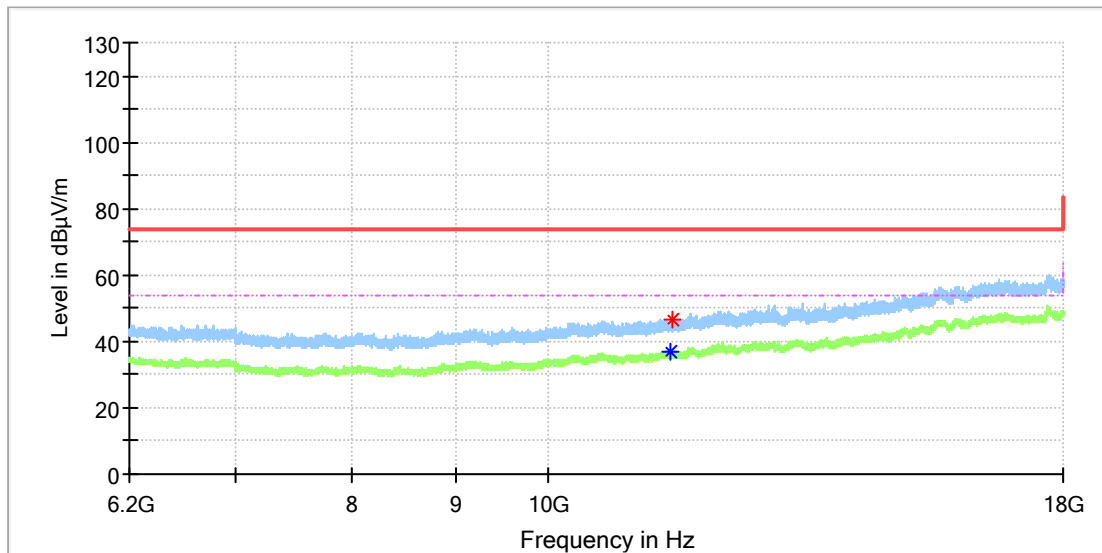
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5742.000000 | 100.22 | --- | | | 100.0 | V | 60.0 | 13.9 |
| 5743.500000 | --- | 91.29 | | | 100.0 | V | 60.0 | 13.9 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch149 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

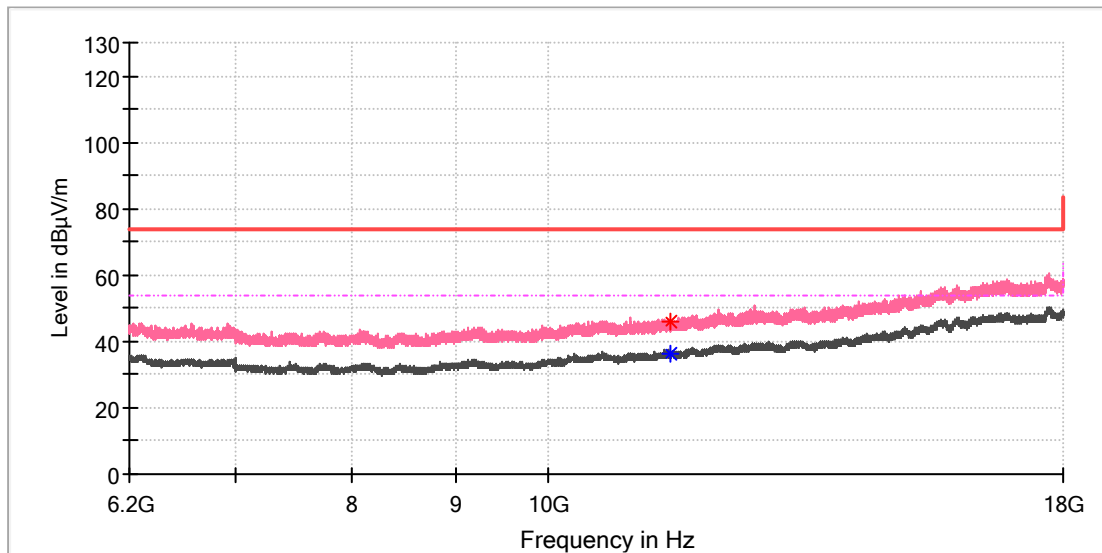
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11498.691667 | --- | 36.86 | 54.00 | 17.14 | 100.0 | H | 107.0 | 13.7 |
| 11515.900000 | 46.86 | --- | 74.00 | 27.14 | 100.0 | H | 36.0 | 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: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch149 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

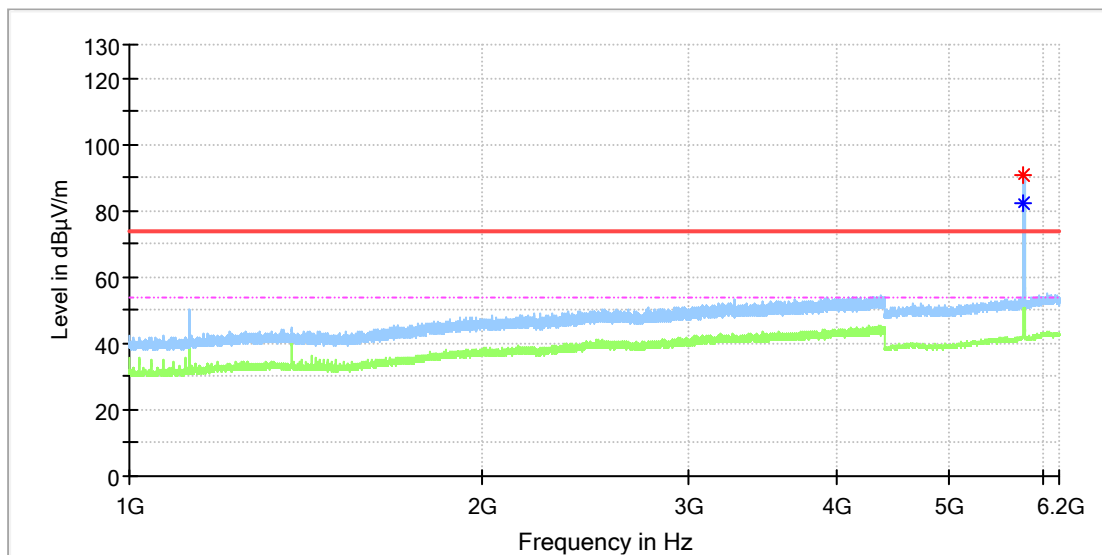
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11491.808333 | --- | 36.32 | 54.00 | 17.68 | 100.0 | V | 82.0 | 13.7 |
| 11500.166667 | 46.01 | --- | 74.00 | 27.99 | 100.0 | V | 298.0 | 13.7 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch157 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

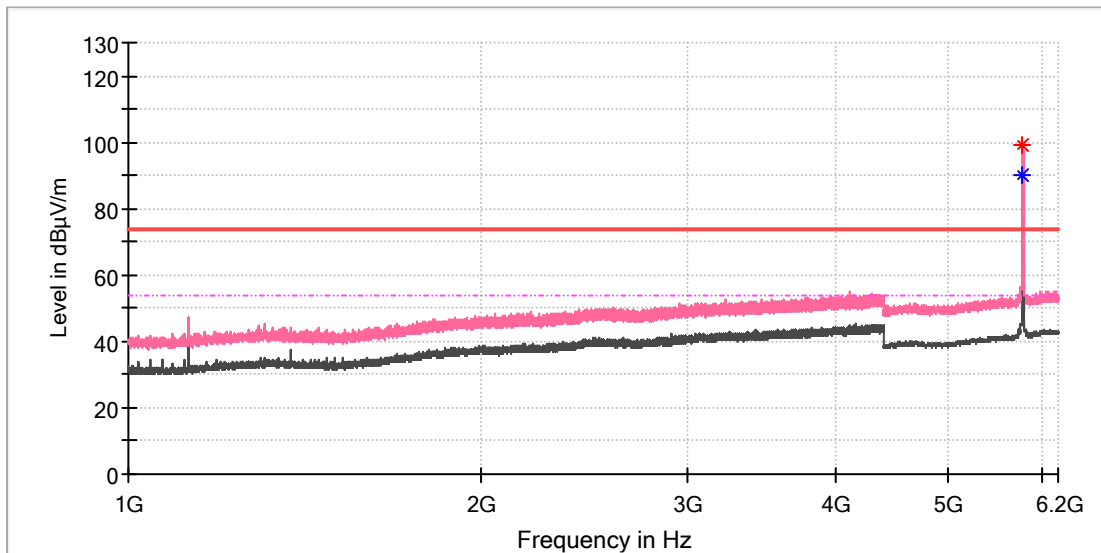
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5780.500000 | --- | 81.94 | | | 100.0 | H | 135.0 | 14.0 |
| 5783.000000 | 90.93 | --- | | | 100.0 | H | 135.0 | 14.0 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch157 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

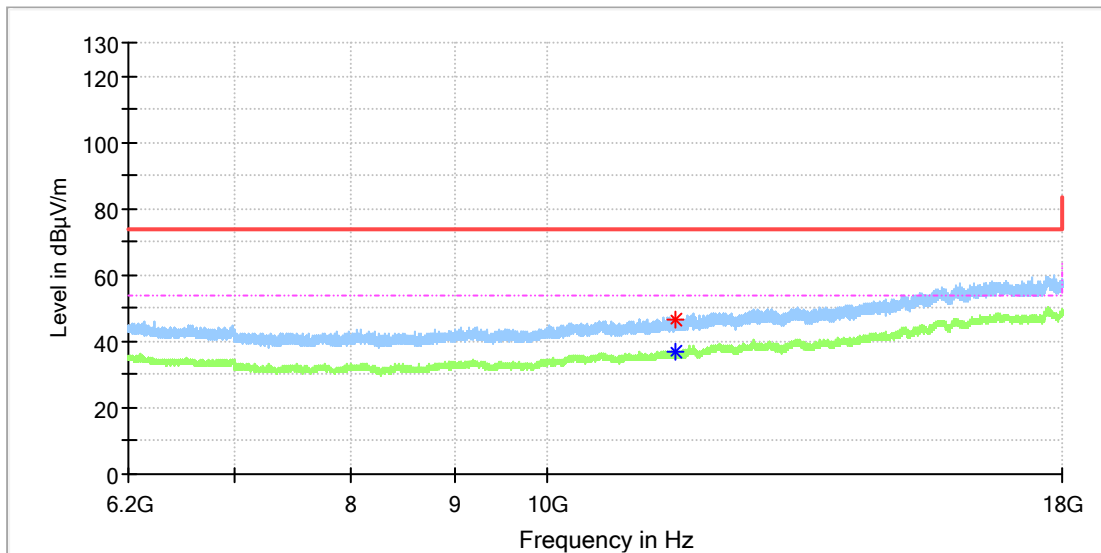
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5779.500000 | --- | 90.17 | | | 100.0 | V | 55.0 | 14.0 |
| 5781.000000 | 99.30 | --- | | | 100.0 | V | 55.0 | 14.0 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch157 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

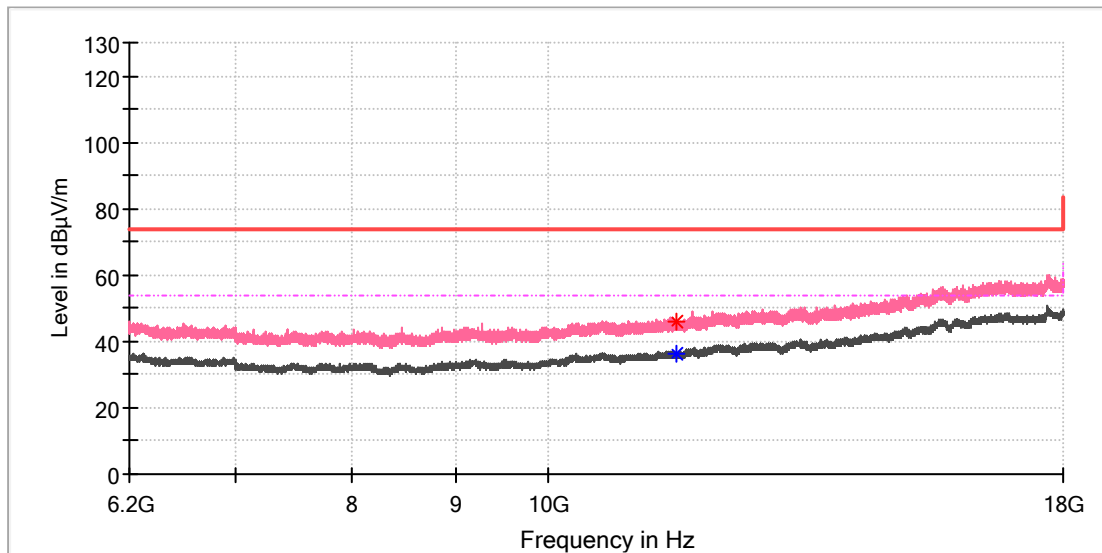
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11564.575000 | --- | 36.67 | 54.00 | 17.33 | 100.0 | H | 171.0 | 13.4 |
| 11578.341667 | 46.79 | --- | 74.00 | 27.21 | 100.0 | H | 0.0 | 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: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch157 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

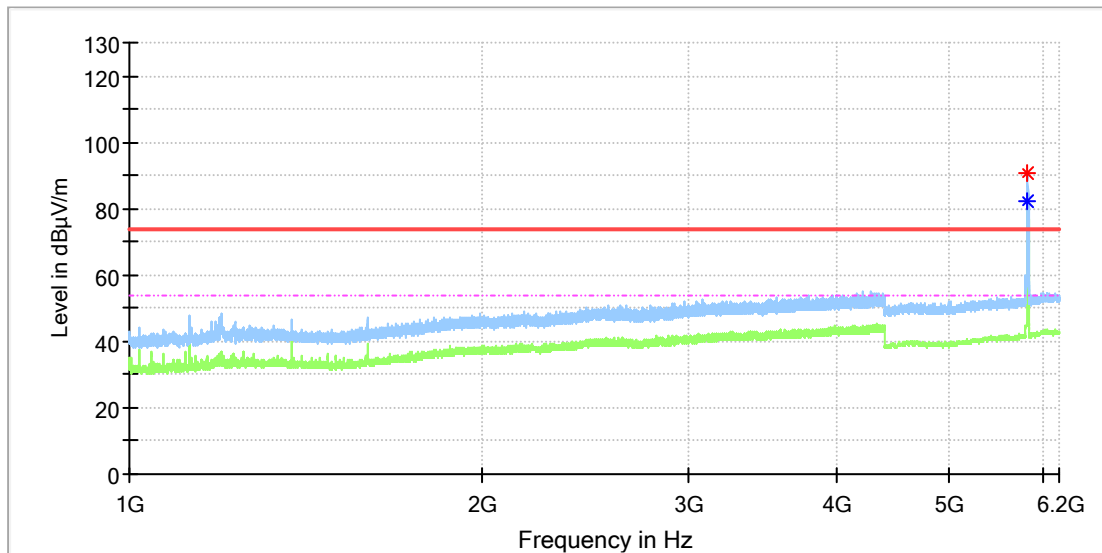
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11575.883333 | --- | 36.46 | 54.00 | 17.54 | 100.0 | V | 198.0 | 13.4 |
| 11576.866667 | 45.96 | --- | 74.00 | 28.04 | 100.0 | V | 97.0 | 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: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch165 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

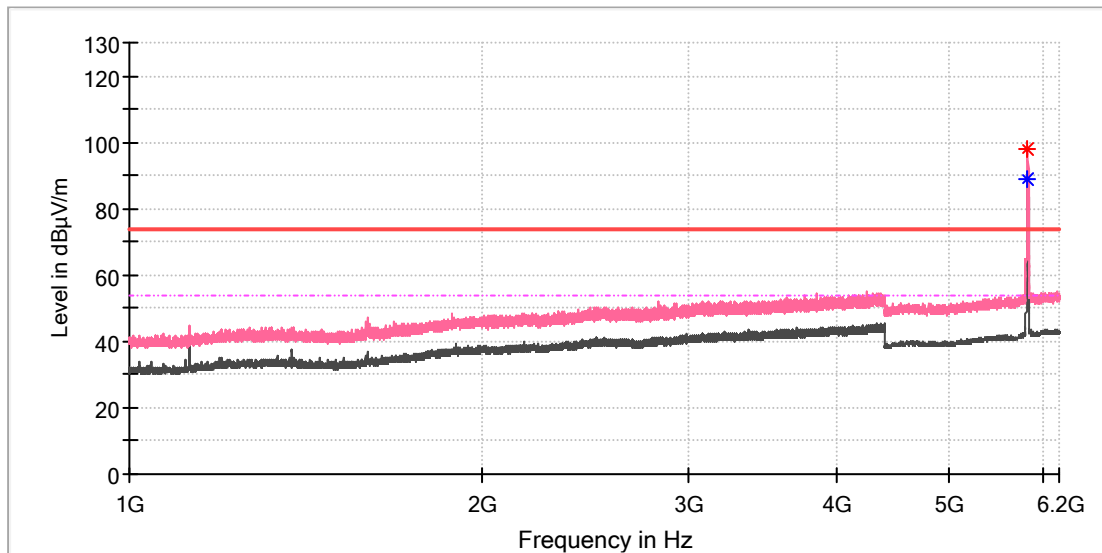
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5819.000000 | 90.67 | --- | | | 100.0 | H | 288.0 | 14.1 |
| 5827.000000 | --- | 82.20 | | | 100.0 | H | 288.0 | 14.1 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch165 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

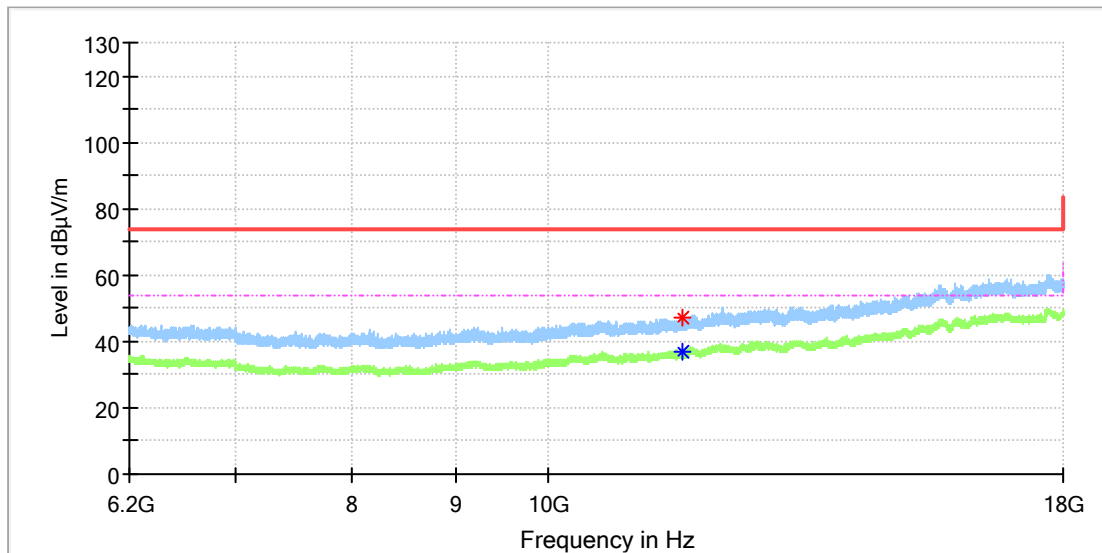
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5830.000000 | 97.80 | --- | | | 100.0 | V | 45.0 | 14.1 |
| 5830.500000 | --- | 88.98 | | | 100.0 | V | 355.0 | 14.1 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch165 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

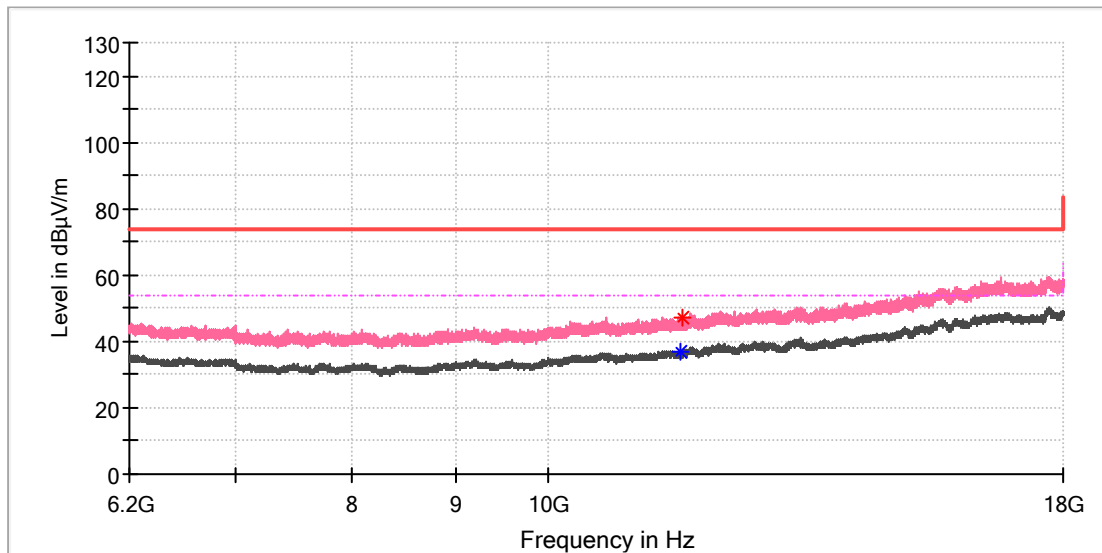
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11657.991667 | --- | 36.88 | 54.00 | 17.12 | 100.0 | H | 40.0 | 13.3 |
| 11661.433333 | 46.94 | --- | 74.00 | 27.06 | 100.0 | H | 0.0 | 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: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch165 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

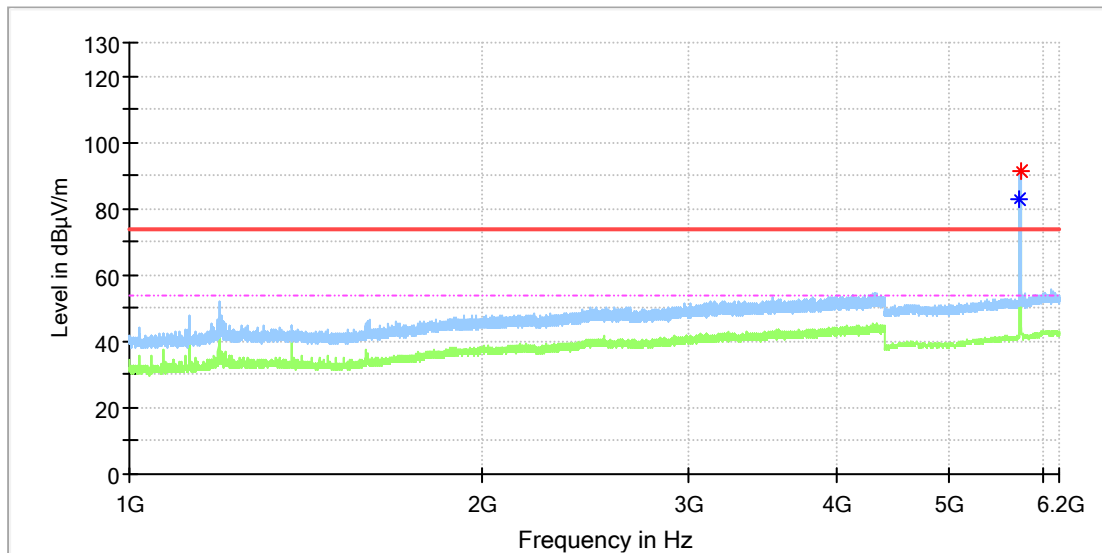
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11637.833333 | --- | 36.73 | 54.00 | 17.27 | 100.0 | V | 79.0 | 13.3 |
| 11648.158333 | 46.97 | --- | 74.00 | 27.03 | 100.0 | V | 64.0 | 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: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch149 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

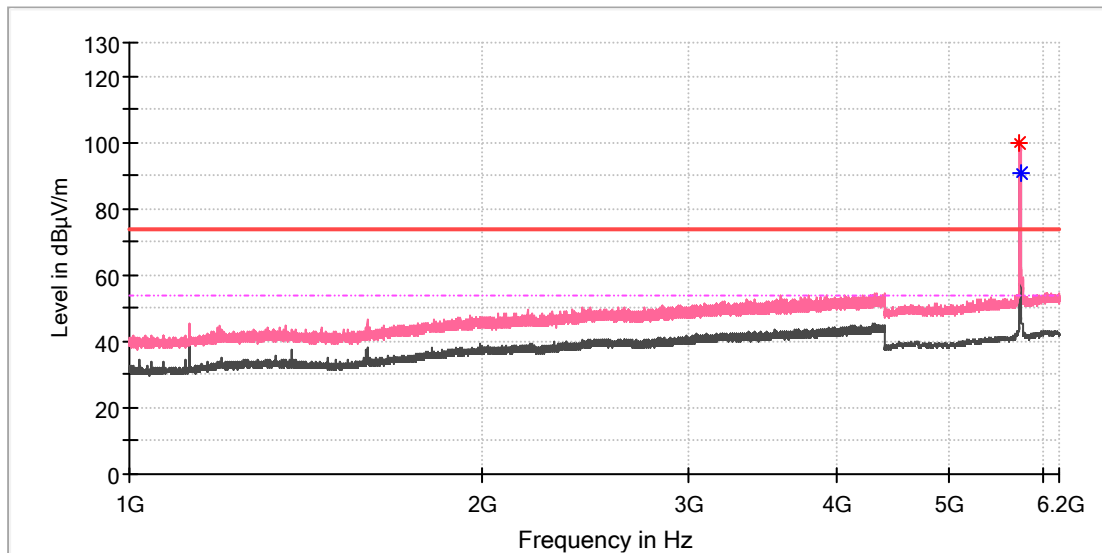
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5741.500000 | --- | 82.65 | | | 100.0 | H | 270.0 | 13.9 |
| 5747.000000 | 91.36 | --- | | | 100.0 | H | 270.0 | 13.9 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch149 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

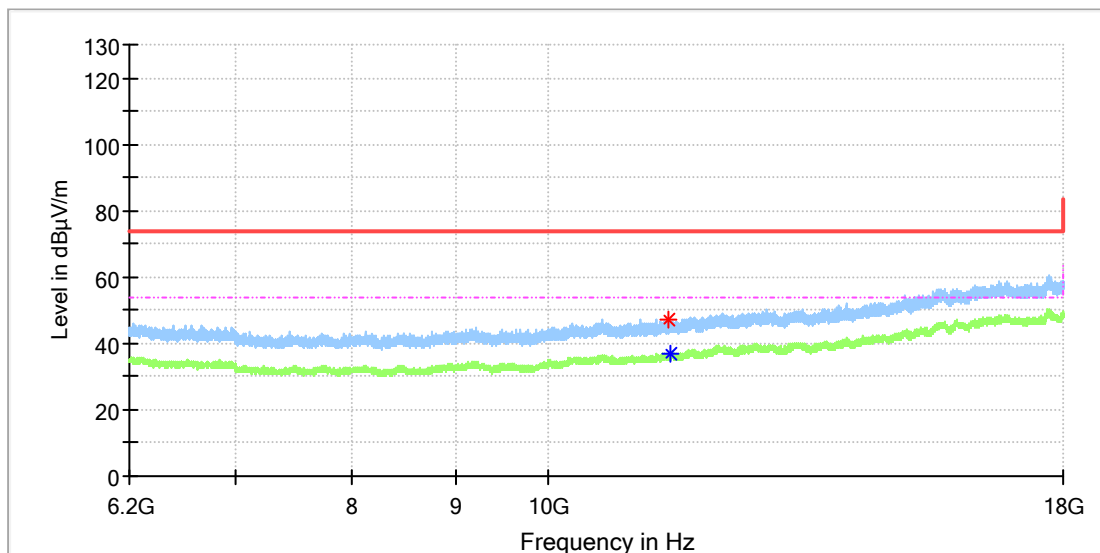
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5742.000000 | 100.03 | --- | | | 100.0 | V | 47.0 | 13.9 |
| 5744.000000 | --- | 90.70 | | | 100.0 | V | 47.0 | 13.9 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch149 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

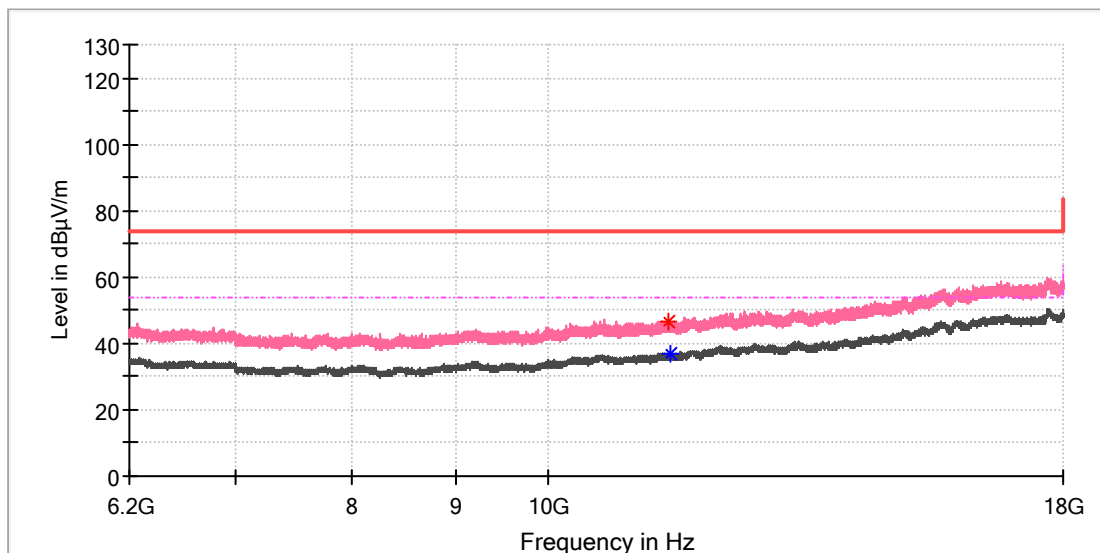
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11472.141667 | 47.35 | --- | 74.00 | 26.65 | 100.0 | H | 127.0 | 13.6 |
| 11502.625000 | --- | 37.00 | 54.00 | 17.00 | 100.0 | H | 34.0 | 13.7 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch149 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

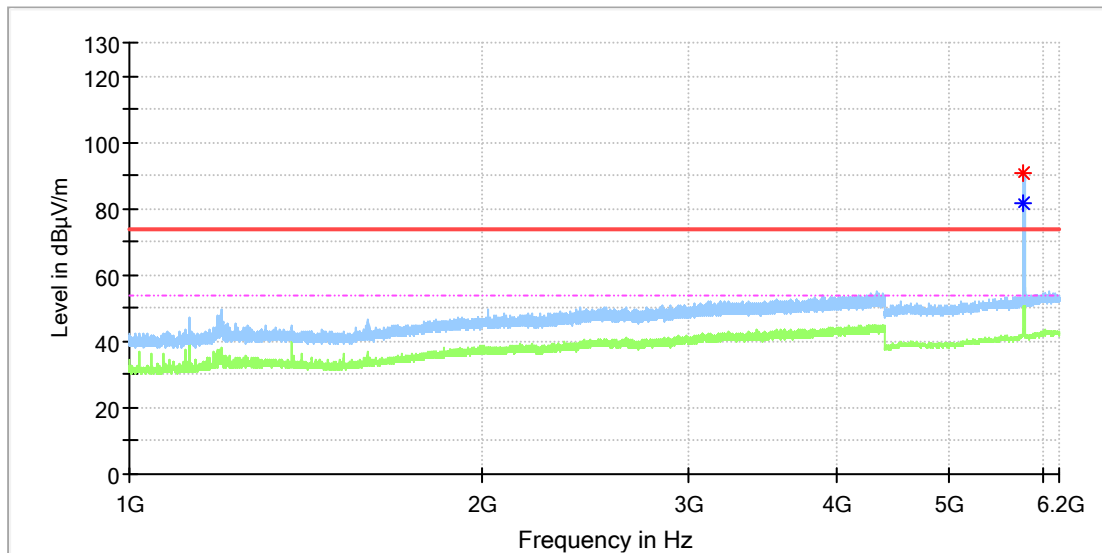
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11474.108333 | 46.78 | --- | 74.00 | 27.22 | 100.0 | V | 176.0 | 13.6 |
| 11503.116667 | --- | 36.89 | 54.00 | 17.11 | 100.0 | V | 204.0 | 13.7 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch157 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

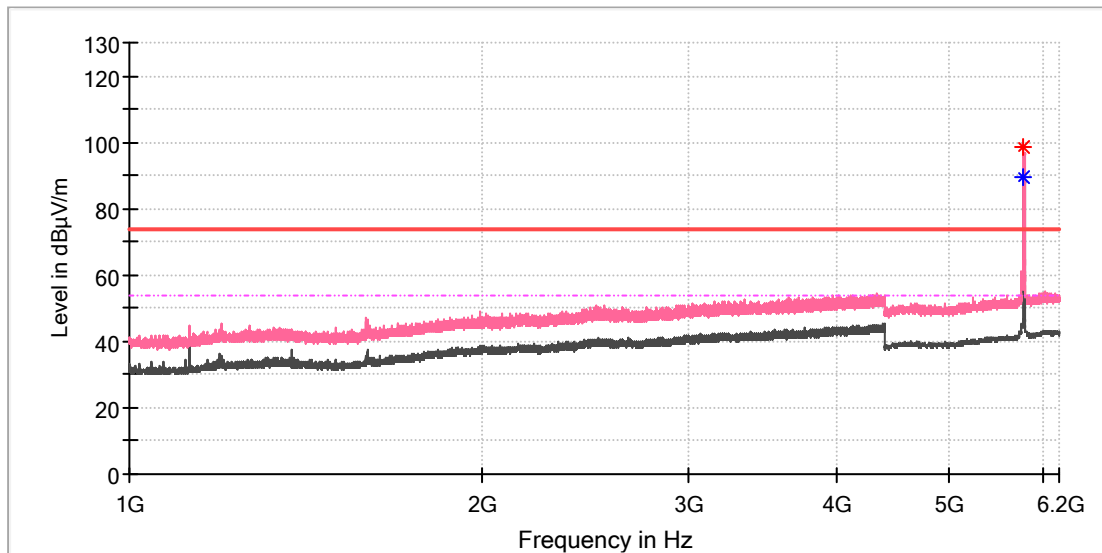
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5783.000000 | 90.41 | --- | | | 100.0 | H | 140.0 | 14.0 |
| 5778.000000 | --- | 81.75 | | | 100.0 | H | 286.0 | 14.0 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch157 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

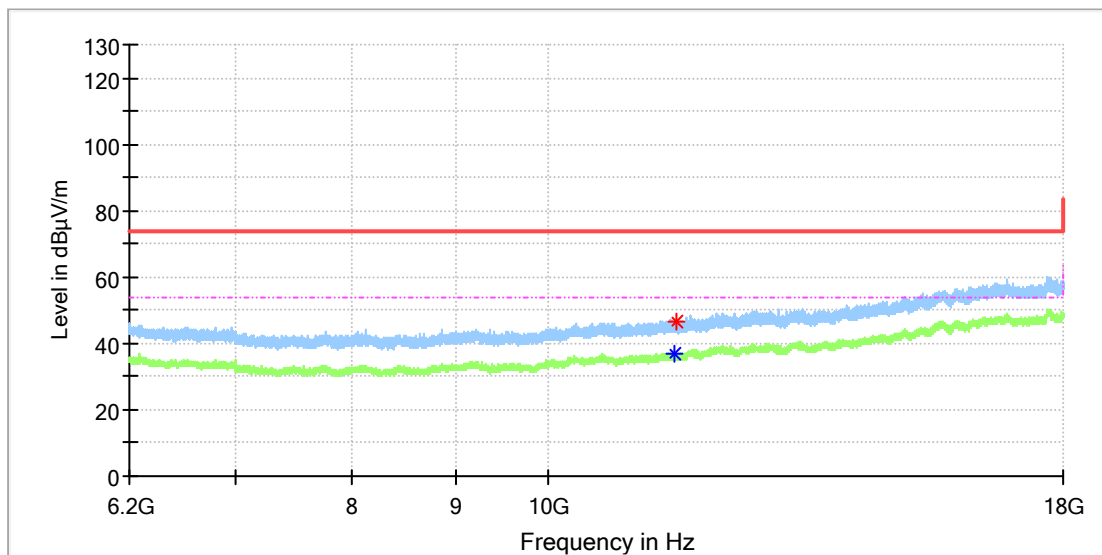
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5778.500000 | 98.29 | --- | | | 100.0 | V | 63.0 | 14.0 |
| 5782.000000 | --- | 89.74 | | | 100.0 | V | 63.0 | 14.0 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch157 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

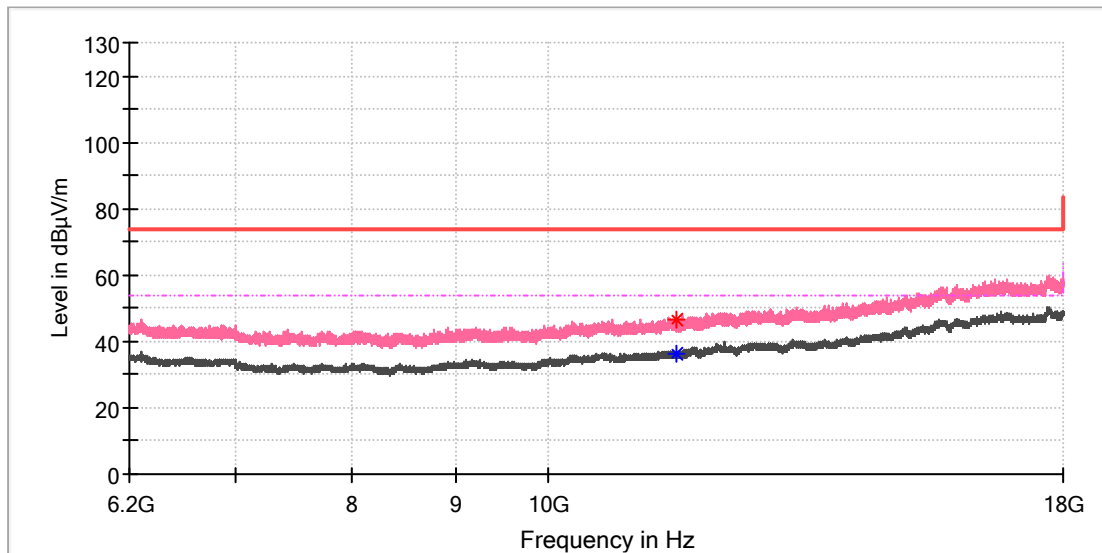
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11562.608333 | --- | 36.77 | 54.00 | 17.23 | 100.0 | H | 93.0 | 13.4 |
| 11578.341667 | 46.34 | --- | 74.00 | 27.66 | 100.0 | H | 4.0 | 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: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch157 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

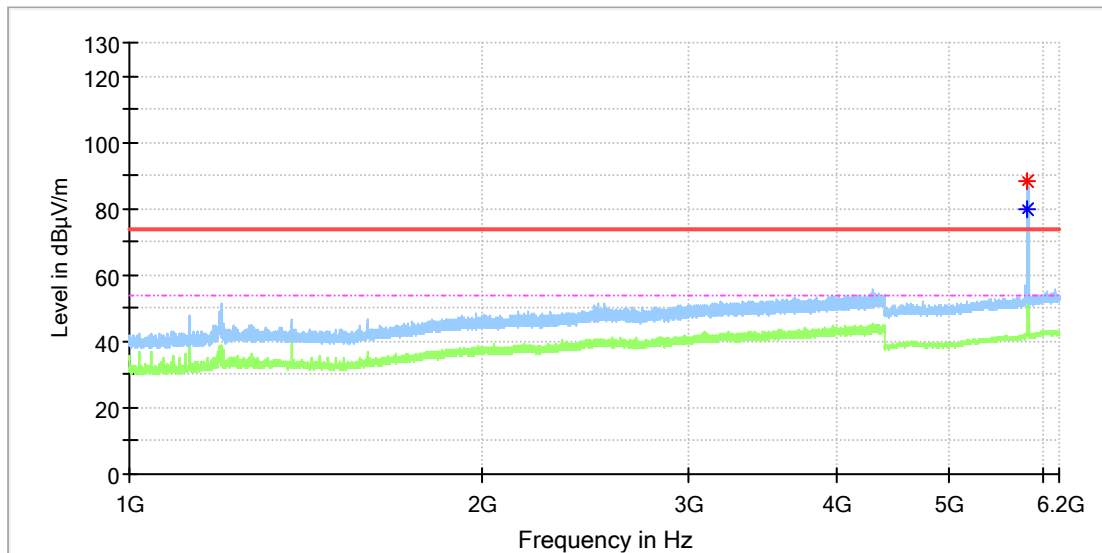
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11568.016667 | 46.54 | --- | 74.00 | 27.46 | 100.0 | V | 0.0 | 13.4 |
| 11574.900000 | --- | 36.19 | 54.00 | 17.81 | 100.0 | V | 0.0 | 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: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch165 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

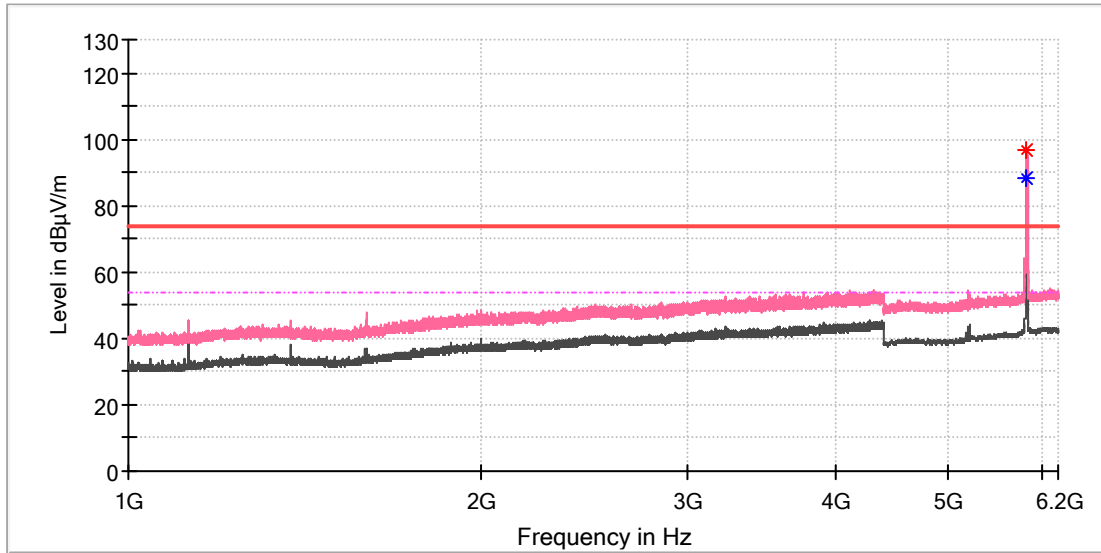
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5827.500000 | 88.44 | --- | | | 100.0 | H | 143.0 | 14.1 |
| 5826.000000 | --- | 79.83 | | | 100.0 | H | 289.0 | 14.1 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch165 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

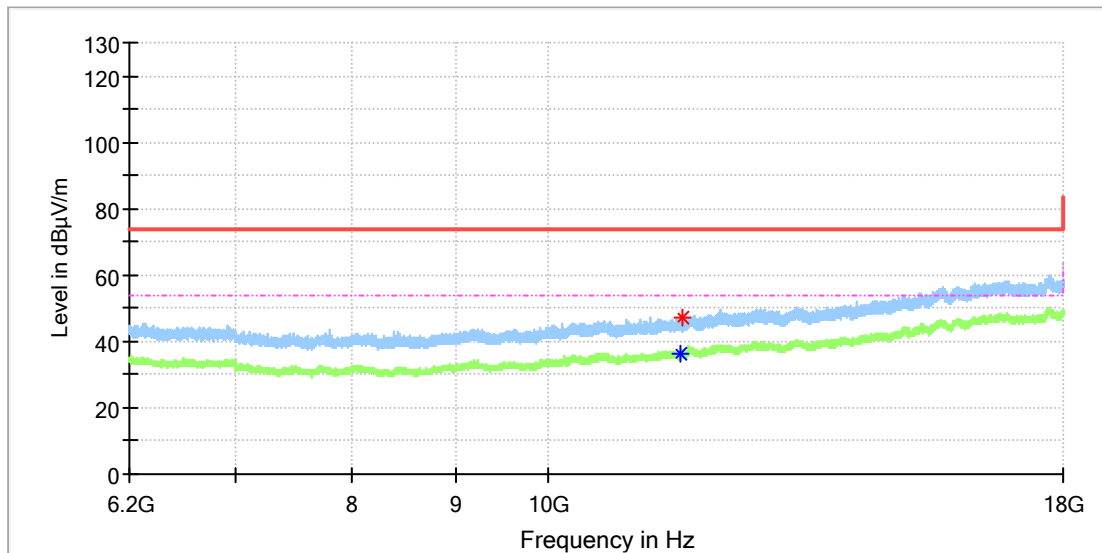
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5828.500000 | --- | 87.98 | | | 100.0 | V | 41.0 | 14.1 |
| 5829.000000 | 96.87 | --- | | | 100.0 | V | 354.0 | 14.1 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch165 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

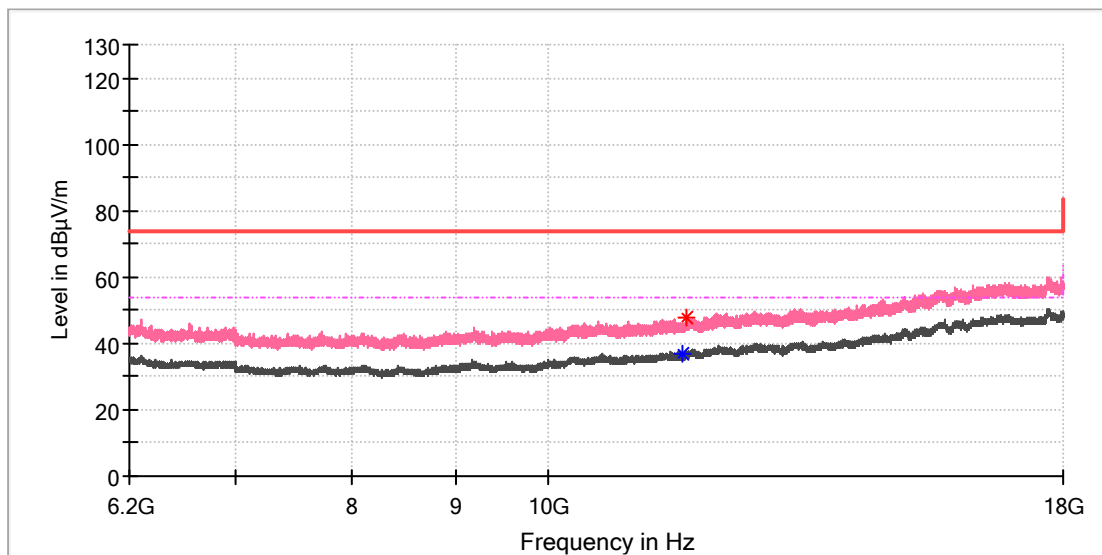
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11640.291667 | --- | 36.33 | 54.00 | 17.67 | 100.0 | H | 229.0 | 13.3 |
| 11659.466667 | 47.01 | --- | 74.00 | 26.99 | 100.0 | H | 85.0 | 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: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch165 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

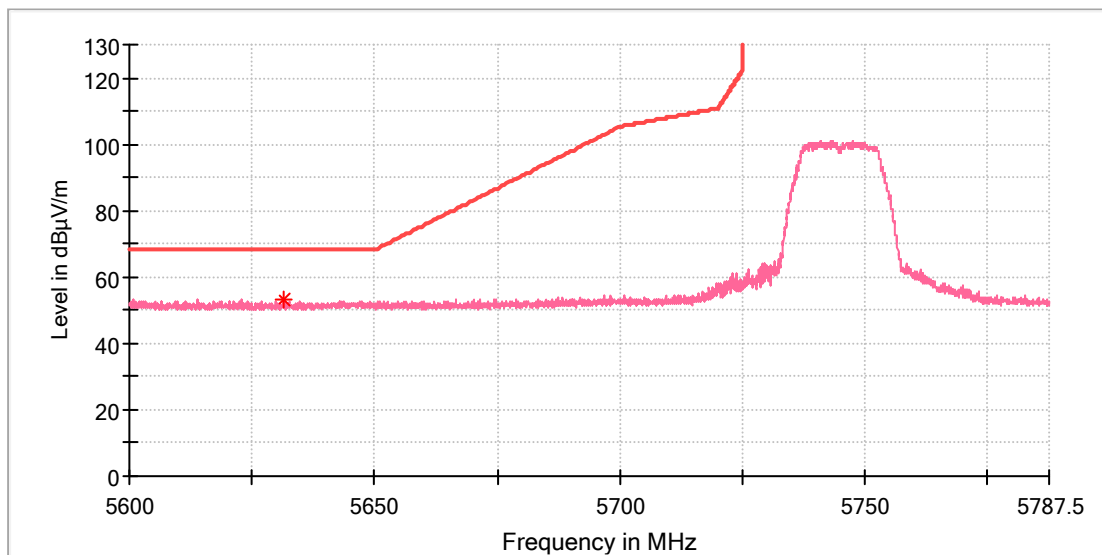
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 11645.208333 | --- | 36.86 | 54.00 | 17.14 | 100.0 | V | 23.0 | 13.3 |
| 11701.750000 | 47.85 | --- | 74.00 | 26.15 | 100.0 | V | 0.0 | 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: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch149 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

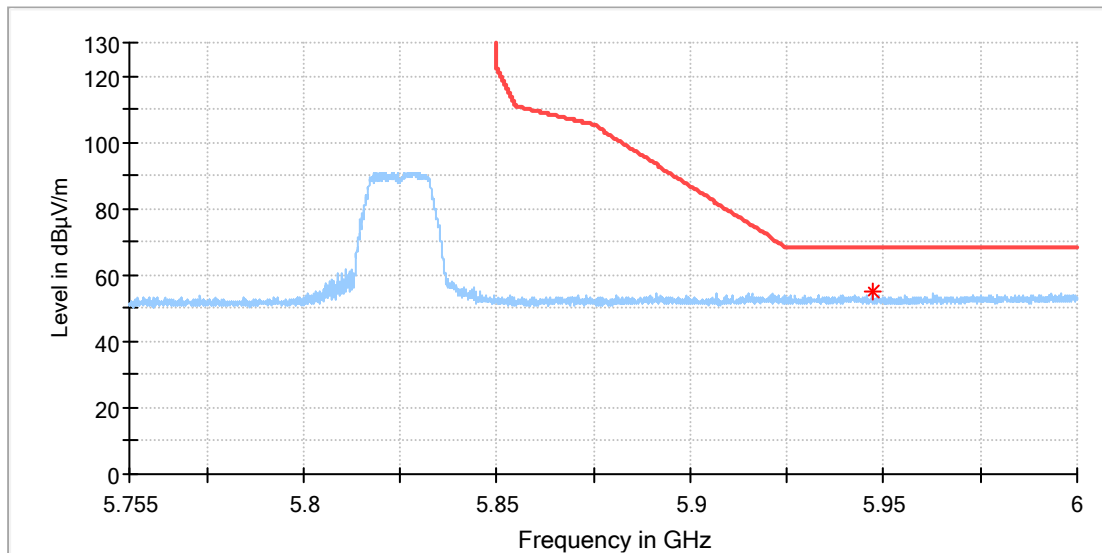
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5631.614583 | 53.22 | 68.20 | 14.98 | 100.0 | V | 268.0 | 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: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch165 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

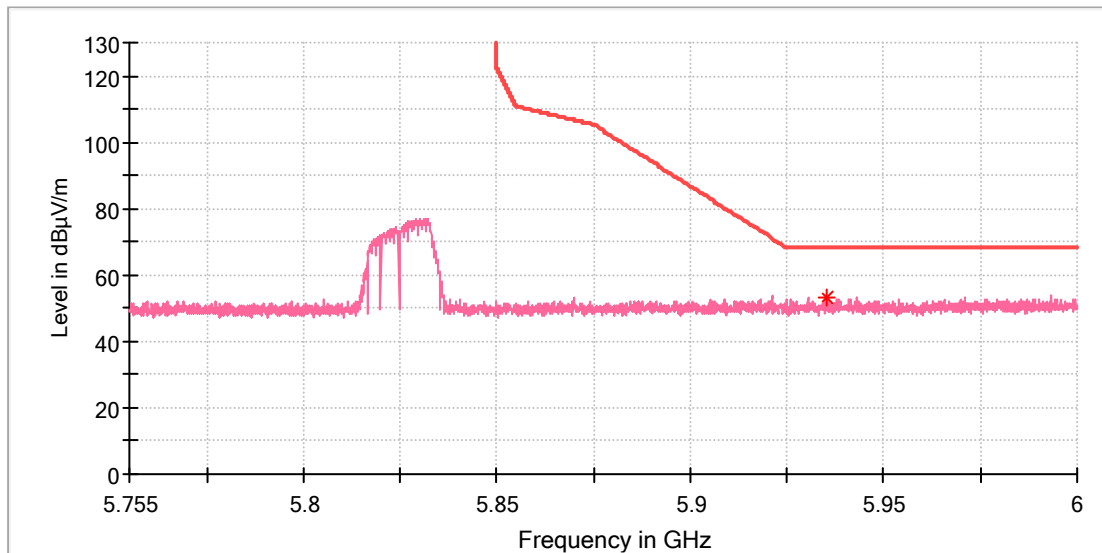
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5946.916667 | 54.96 | 68.20 | 13.24 | 100.0 | H | 224.0 | 14.8 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11a_Ch165 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| 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) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5935.347222 | 53.30 | 68.20 | 14.90 | 100.0 | V | 0.0 | 14.7 |

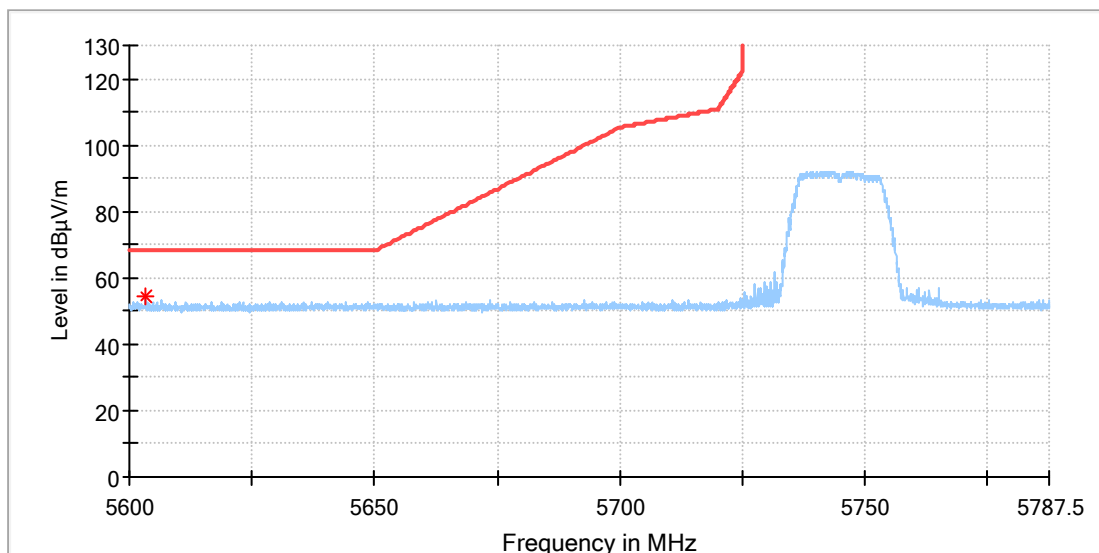
Final Result

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

Wi-Fi 802.11 n(HT20) mode

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch149 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

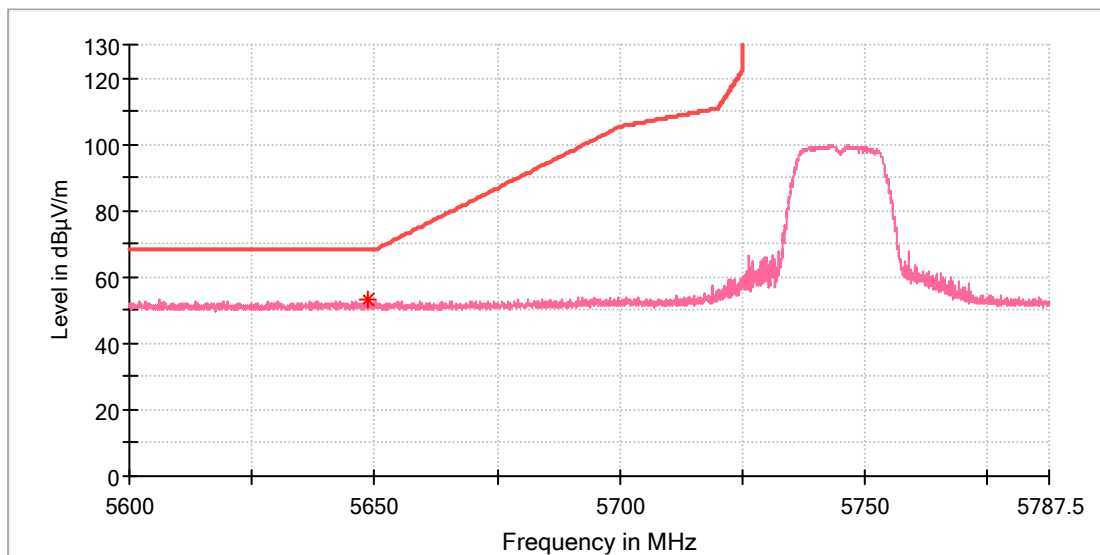
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5603.281250 | 54.21 | 68.20 | 13.99 | 100.0 | H | 17.0 | 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: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch149 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

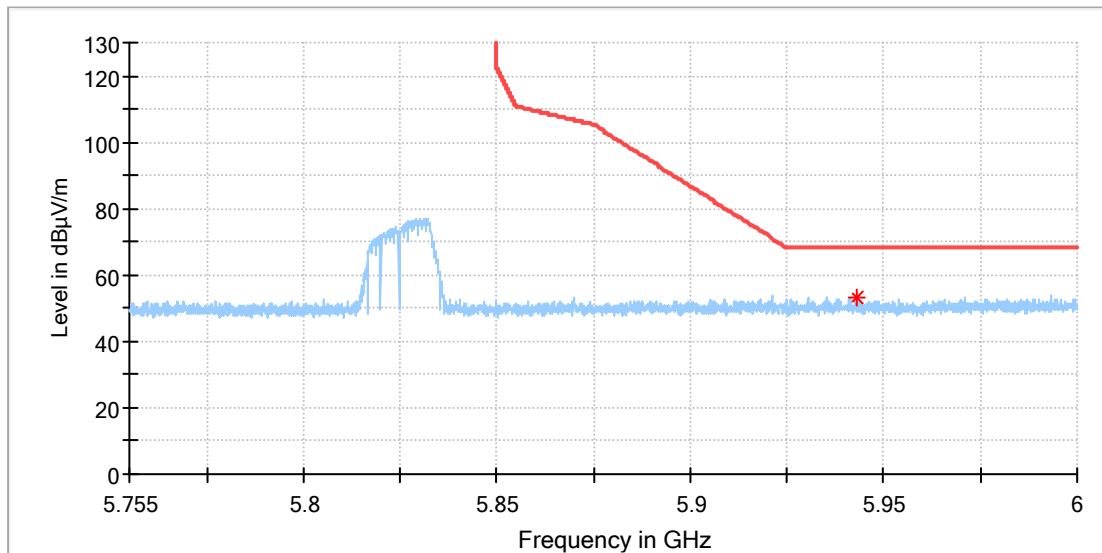
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5648.437500 | 53.29 | 68.20 | 14.91 | 100.0 | V | 176.0 | 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: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch165 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| Test Standard: | FCC 15.407 |
| Tested By: | Kei Zhang |
| Reviewed By: | Terry Yin |



Critical Freqs

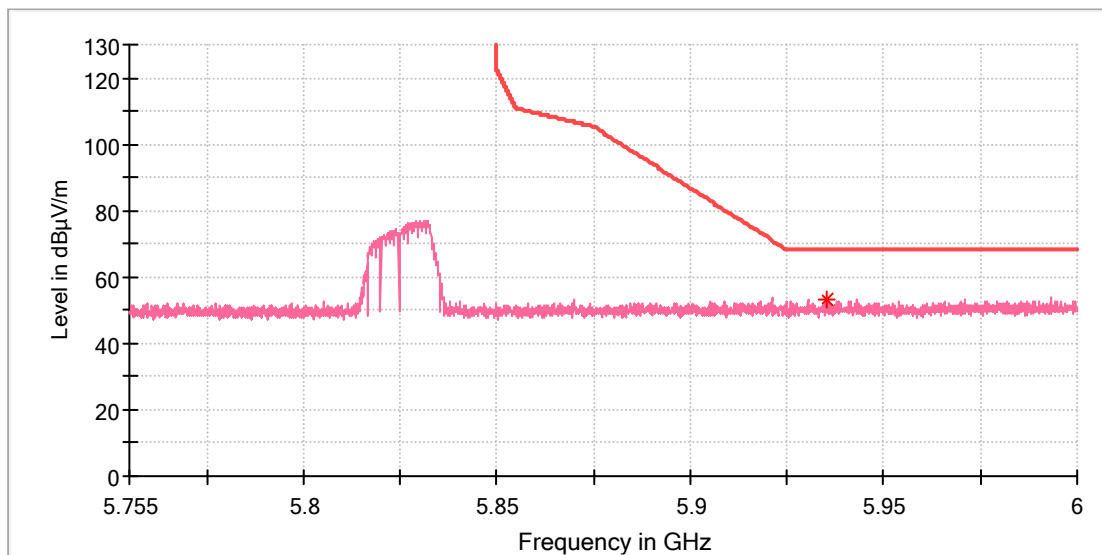
| Frequency (MHz) | MaxPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5943.037500 | 53.25 | 68.20 | 14.95 | 100.0 | H | 0.0 | 14.7 |

Final Result

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

EUT Information

| | |
|---------------------|--------------------------|
| EUT Name: | System Controller |
| Model: | EL-SC-300 |
| Test Mode: | WIFI 5G_11n_Ch165 |
| Order No/Sample No: | 168339134/A003148741-001 |
| Test Voltage:: | 120V/60Hz |
| Remark: | Temp 23 Humi:54% |
| 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) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 5935.347222 | 53.30 | 68.20 | 14.90 | 100.0 | V | 0.0 | 14.7 |

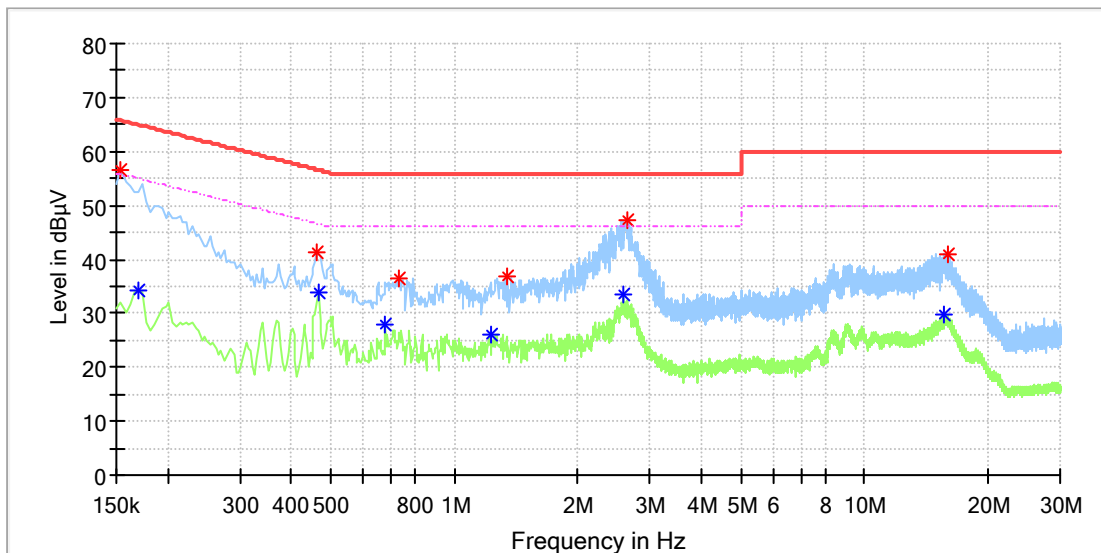
Final Result

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

Appendix C.8: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name: System Controller
 Order No: 168339134 100
 Model: EL-SC-300
 Test Mode: WIFI Connecting
 Test Voltage: AC 120V/60Hz
 Test By: Shower Dai
 Review By: Gary Chen
 Remark: SR1

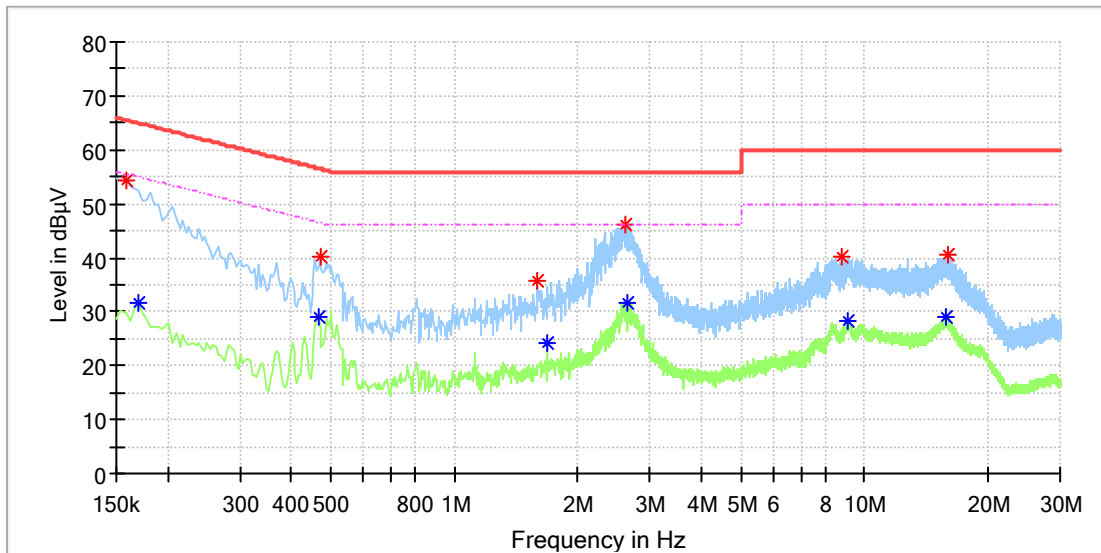


Critical Freqs

| Frequency (MHz) | MaxPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.154000 | 56.68 | --- | 65.78 | 9.10 | L1 | 9.6 |
| 0.170000 | --- | 34.41 | 54.96 | 20.55 | L1 | 9.6 |
| 0.462000 | 41.27 | --- | 56.66 | 15.38 | L1 | 9.7 |
| 0.466000 | --- | 33.70 | 46.59 | 12.88 | L1 | 9.7 |
| 0.680000 | --- | 27.89 | 46.00 | 18.11 | L1 | 9.7 |
| 0.736000 | 36.51 | --- | 56.00 | 19.49 | L1 | 9.7 |
| 1.224000 | --- | 26.13 | 46.00 | 19.87 | L1 | 9.7 |
| 1.340000 | 37.02 | --- | 56.00 | 18.98 | L1 | 9.7 |
| 2.588000 | --- | 33.58 | 46.00 | 12.42 | L1 | 9.9 |
| 2.648000 | 47.35 | --- | 56.00 | 8.65 | L1 | 9.9 |
| 15.696000 | --- | 29.74 | 50.00 | 20.26 | L1 | 10.2 |
| 15.908000 | 41.02 | --- | 60.00 | 18.98 | L1 | 10.2 |

EUT Information

EUT Name: System Controller
 Order No: 168339134 100
 Model: EL-SC-300
 Test Mode: WIFI Connecting
 Test Voltage: AC 120V/60Hz
 Test By: Shower Dai
 Review By: Gary Chen
 Remark: SR1



Critical_Freqs

| Frequency (MHz) | MaxPeak (dBµV) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.158000 | 54.25 | --- | 65.57 | 11.31 | N | 9.6 |
| 0.170000 | --- | 31.46 | 54.96 | 23.50 | N | 9.6 |
| 0.466000 | --- | 29.10 | 46.59 | 17.49 | N | 9.7 |
| 0.470000 | 40.03 | --- | 56.51 | 16.48 | N | 9.7 |
| 1.596000 | 35.87 | --- | 56.00 | 20.13 | N | 9.7 |
| 1.684000 | --- | 24.37 | 46.00 | 21.63 | N | 9.7 |
| 2.616000 | 46.26 | --- | 56.00 | 9.74 | N | 9.9 |
| 2.632000 | --- | 31.59 | 46.00 | 14.41 | N | 9.9 |
| 8.852000 | 40.19 | --- | 60.00 | 19.81 | N | 10.0 |
| 9.132000 | --- | 28.18 | 50.00 | 21.82 | N | 10.0 |
| 15.880000 | --- | 29.10 | 50.00 | 20.90 | N | 10.2 |
| 16.000000 | 40.69 | --- | 60.00 | 19.31 | N | 10.2 |