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HONG KONG LELEGAO TECHNOLOGY CO.,LIMITED

TEST REPORT

SCOPE OF WORK
FCC TESTING–ZENO 6

REPORT NUMBER
260723059SZN-004

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RF
TEST REPORT

Report No.	**: 260723059SZN-004**
Product	**: Tablet**
Model No.	**: ZENO 6**
Brand Name	**: Blackview**
Sample ID	**: Z260723059-001**
FCC ID	**: 2BSW8-ZENO6**

Applicant:	**HONG KONG LELEGAO TECHNOLOGY CO.,LIMITED** **19H Maxgrand Plaza, No.3 Tai Yau Street, San Po Kong, Kowloon, HongKong**
Test Method/ Standard:	**FCC Part 15 Subpart E;** **KDB 789033 D02 v02r01;** **KDB 662911 D01 v02r01;** **KDB 905462 D02 v02;** **ANSI C63.10-2013**
Test By:	**Intertek Testing Services Shenzhen Ltd. Longhua Branch** **101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community, GuanHu Subdistrict, LongHua District, Shenzhen, P.R. China.**

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Date: 14 September 2026

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Test Result: Please refer the Appendix "Maximum Power Spectral Density Level" of "260723059SZN-004_Appendix". **10**

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Note: 99% Occupied Bandwidth within the U-NII-1 band and 26dB Emission Bandwidth for reference. The more detail please refer to the Appendix "-26dB Bandwidth" and "Occupied Channel Bandwidth" of "260723059SZN-004_Appendix". **12**

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Summary of Tests

FCC Parts	Test	Section	Results
15.203	Antenna Requirement	1.3	Pass
15.407 a (1)/(3)	Maximum output power test	3	Pass
15.407 a (1)/(3)	Power Spectrum Density test	4	Pass
15.407 e	6dB Bandwidth	5	Pass
15.407 b, 15.205, 15.209	Radiated spurious emission test	6	Pass
15.207	AC line conducted emission test	7	Pass
15.407 g	Frequency Stability	8	Pass
15.407 h	DFS: Channel Closing Transmission Time	9.3	Not Applicable
15.407 h	DFS: Channel Move Time	9.3	Not Applicable
15.407 h	DFS: Non-Occupancy Period	9.3	Not Applicable

1. General information

1.1 Identification of the EUT

Product:	Tablet
Model No.:	ZENO 6
Type of Device:	Slave device
Product Hardware Version:	L30-T7300-V2.0
Nominal Channel Bandwidth:	802.11a, 802.11n(20/40MHz), 802.11ac(20/40/80MHz), 802.11ax(20/40/80MHz)
Operating Frequency:	5150MHz~5250 MHz, 5725MHz~5850MHz
Channel Number:	4 channels for 5180 MHz ~ 5240 MHz (802.11 a/n20/ac-HT20/ax-HE20); 2 channels for 5190 MHz ~ 5230 MHz (802.11 n40/ac-HT40/ax-HE40); 1 channels for 5210 MHz (802.11ac-HT80/ax-HE80); 5 channels for 5745 MHz ~ 5825 MHz (802.11a/n20/ac-HT20/ax-HE20); 2 channels for 5755 MHz ~ 5795 MHz (802.11n40/ac-HT40/ax-HE40); 1 channels for 5775 MHz (802.11ac-HT80/ax-HE80);
Modulation:	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Rated Power:	DC 3.85V from battery
Test Date(s):	23 July 2026 to 11 August 2026
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Note 2:	When determining the test conclusion, the Measurement Uncertainty of test has been considered.

1.2 Additional information about the EUT

The equipment under test (EUT) is a Tablet with Bluetooth 5.0 (dual-mode) function operating in 2402-2480MHz, 2.4G Wi-Fi function operating in 2412-2462MHz, 5G Wi-Fi function operating in 5150MHz~5250 MHz, 5725MHz~5850MHz and GSM, WCDMA, LTE function. For more detail information pls. refer to the user manual.

For more detail features, please refer to User's description as file name “descri.pdf”.

Related Submittal(s) Grants
This is an application for certification of U–NII device (5GHz Wi-Fi transmitter portion).
For the BT EDR function was tested and demonstrated in report 260723059SZN-001.
For the BT BLE function was tested and demonstrated in report 260723059SZN-002.
For the 2.4GHz Wi-Fi function was tested and demonstrated in report 260723059SZN-003.
For the GSM, WCDMA, LTE function was tested and demonstrated in report 260723059SZN-005.

1.3 Antenna description (15.203)

The EUT uses Integral Antenna which in accordance to Section 15.203 is considered sufficient to comply with the provisions of this section.
Antenna Gain: 3.3dBi Max.

1.4 Peripherals equipment

Description	Manufacturer	Model No.
Adaptor (Provided by applicant)	N/A	Model: QZ-0180AAA00 Input: 100-240V~, 50/60Hz, 0.5A Output: 5.0V⎓3.0A, 9.0V⎓2.0A, 12.0V⎓1.5A
USB Cable (Provided by applicant)	N/A	Shielded, Length: 100cm

2. Test specifications

2.1 Test standard

The EUT was performed according to the procedures in FCC Part 15 E, Section15.203, 15.207, 15.209, 15.407 and ANSI C63.10/2013, method of measurement: KDB 789033.

The test of radiated measurements according to FCC Part15 Section 15.33(a) had been conducted and the field strength of this frequency band was all meet limit requirement, thus we evaluate the EUT pass the specified test.

The AC power conducted emissions was invested over the frequency range from 0.15 MHz to 30 MHz using a receiver bandwidth of 9 kHz (15.207 paragraph).

Radiated emissions were invested cover the frequency range from 9KHz to 30MHz using a receiver RBW of 9kHz, from 30 MHz to 1000 MHz using a receiver RBW of 120 kHz record QP reading, and the frequency over 1 GHz using a spectrum analyzer RBW of 1 MHz, VBW of 3MHz, Detector=Peak record for Peak reading, RBW of 1 MHz, VBW of 3MHz, Detector=RMS record for Average reading recorded on the report.

The EUT setup configurations please refer to the photo of radiated setup photos.pdf & conducted setup photos.pdf.

2.2 Operation mode

The EUT was supplied by and it was run in TX mode that was controlled by client provided RF testing program.

The EUT was transmitted continuously during the test. The worst case test result was showed in the report.

With individual verifying, the maximum output power was found at 6 Mbps data rate for 802.11a mode, 6.5 Mbps data rate for 802.11n-HT20/ac-HT20/ac-HE20 mode, 13.5 Mbps data rate for 802.11n-HT40/ ac-HT40 mode, 29.3 Mbps data rate for 802.11ac-HT80 mode, 8.6Mbps for 802.11ax-HE20, 17.2Mbps for 802.11ax-HE40, 36Mbps for 802.11ax-HE80. The final tests were executed under these conditions and recorded in this report individually.

2.3 EUT Exercising Software

The EUT exercise program (provided by client) used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use. The worst case configuration is used in all specified testing.

Table for Parameters of Test Software Setting
During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Testing Software: Nonsignaling operation platform

2.4 Special Accessories

N/A

3. Maximum Output Power test (FCC 15.407)

3.1 Operating environment

Temperature: 25 ℃
Relative Humidity: 55 %
Atmospheric Pressure: 1011 hPa

3.2 Test setup & procedure

The power output per FCC §15.407(a) was measured on the EUT using a 50 ohm SMA cable connected to Power Meter and the measurement method refer to 789033 D02. Power was read directly and cable loss correction (0.5dB) was added to the reading to obtain power at the EUT antenna terminals.

3.3 Limit

Operating Frequency (MHz)	Max Conducted TX Power	Max EIRP
5150~5250	30dBm (1W) for master device	4W (36dBm) with 6dBi antenna
	24dBm (250mW) for client device	
5250~5350	24dBm (250mW) or 11dBm+ 10logB*	1W (30dBm) with 6dBi antenna
5470~5725	24dBm (250mW) or 11dBm+ 10logB*	
5725~5850	30dBm (1W)	4W (36dBm) with 6dBi antenna

Remark:
1) *Where B is the 26dB emission Bandwidth in MHz.
2) The device was declared as Slave device.
3) Tx Power Reduction (dBm-by-dBi) required when antenna exceeds 6dBi.

3.4 Measured data of Maximum Output Power test results

Max Conducted TX Power
Test Result: Please refer to “260723059SZN-004-Appendix”.

Max EIRP
Test Result: Please refer to “260723059SZN-004-Appendix”.

4. Power Spectrum Density test (FCC 15.407)

4.1 Operating environment

Temperature:	25	℃
Relative Humidity:	50	%
Atmospheric Pressure:	1013	hPa

4.2 Test setup & procedure

Method of Measurement:

The power spectrum density per FCC §15.407(a) was measured from the antenna port of the EUT using a 50 ohm spectrum analyzer with the resolution bandwidth set at 1MHz/500KHz, the video bandwidth set at 3 MHz/2MHz (measurement method refer to KDB 789033 D02). Power spectrum density was read directly and cable loss reading to obtain power at the EUT antenna terminals.

4.3 Limit

Operating Frequency (MHz)	Max Conducted Power Spectral Density
5150~5250	*17dBm/MHz for master device
	11dBm/MHz for mobile/portable client device
5250~5350	11dBm/MHz
5470~5725	11dBm/MHz
5725~5850	30dBm/500KHz

Remark: 1) The device was declared as Slave device.
2) Tx Power Reduction (dBm-by-dBi) required when antenna exceeds 6dBi.

4.4 Measured data of Power Spectrum Density test results

Test Result: Please refer to “260723059SZN-004-Appendix”.

5. Minimum 6 dB RF Bandwidth (FCC 15.407)

5.1 Operating environment

Temperature:	25	℃
Relative Humidity:	50	%
Atmospheric Pressure:	1011	hPa

5.2 Test setup & procedure

The Minimum 6 dB RF Bandwidth per 789033 D02 was measured from the antenna port of the EUT using a 50 ohm spectrum analyzer with the resolution bandwidth set at 100KHz, and set the video bandwidth (VBW) ≥ 3 x RBW. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK output reading was taken, a DISPLAY line was drawn 6 dB lower than PEAK level. The 6dB bandwidth was determined from where the channel output spectrum intersected the display line.

For 26dB down Emission Bandwidth

The 26dB down Emission Bandwidth per 789033 D02 was measured from the antenna port of the EUT using a 50 ohm spectrum analyzer with the resolution bandwidth set RBW = approximately 1% of the emission bandwidth. Set the VBW > RBW, Detector = Peak, Trace mode = max hold (Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%).

For 99% Occupied Bandwidth

The 99% Occupied Bandwidth per 789033 D02 was measured from the antenna port of the EUT using a 50 ohm spectrum analyzer with the resolution bandwidth set center frequency to the nominal EUT channel center frequency, set span = 1.5 times to 5.0 times the OBW, set RBW = 1 % to 5 % of the OBW, set VBW ≥ 3x RBW, The 99% occupied bandwidth was determined from where the channel output spectrum intersected the display line.

5.3 Limit

Operating Frequency (MHz)	Minimum 6 dB RF Bandwidth Limit
5150~5250	N/A
5250~5350	N/A
5470~5725	N/A
5725~ 5850	≥500KHz

5.4 Measured data of 6dB down Emission Bandwidth test results

The more detail please refer to the Appendix “-6dB Bandwidth” of “260723059SZN-004_Appendix”.

Note: 99% Occupied Bandwidth within the U-NII-1 band and 26dB Emission Bandwidth for reference. The more detail please refer to “260723059SZN-004-Appendix”.

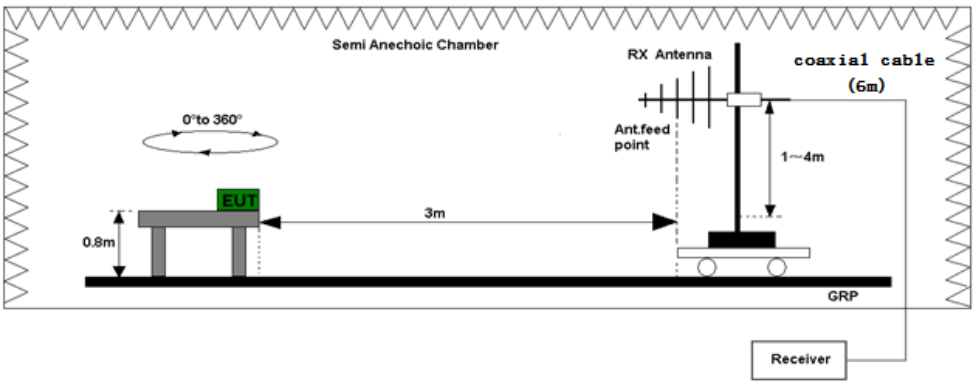
6. Radiated Emission test (FCC 15.205 & 15.209 & 15.407)

6.1 Operating environment

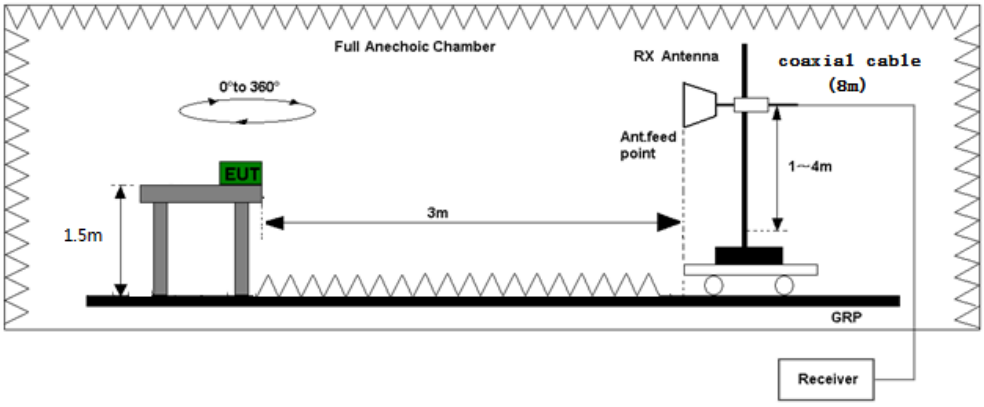
Temperature:	21.9	℃
Relative Humidity:	43	%
Atmospheric Pressure	1011	hPa

6.2 Test setup & procedure

The Diagram below shows the test setup, which is utilized to make these measurements.



Test set-up of radiated disturbance (Up to 1GHz)



Test set-up of radiated disturbance (Above 1GHz)

Radiated emission measurements were performed from 9KHz to tenth harmonic or 40GHz.

The EUT for testing is arranged on a styrene turntable with the height of 0.8m up to 1GHz and 1.5m above 1GHz. If some peripherals apply to the EUT, the peripherals will be connected to EUT and the whole system. During the test, all cables were arranged to produce worst-case emissions. The signal is maximized through rotation. The height of antenna and polarization is changing constantly for exploring for maximum signal level. The height of antenna can be up to 4 meters and down to 1 meter.

The measurement for radiated emission will be done at the distance of three meters unless the signal level is too low to measure at that distance. In the case of the reading under noise floor, a pre-amplifier is used and/or the test is conducted at a closer distance. And then all readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance.

Testing settings (refer to KDB 789033 D02)
Peak Measurements below 1GHz
1, Analyzer center frequency was set to the frequency of the radiated spurious emission.
2, Span=encompass the entire emission
3, RBW=120KHz
4, Detector=Quasi-Peak
5, Trace was allowed to stabilize

Peak Measurements above 1GHz
1, Analyzer center frequency was set to the frequency of the radiated spurious emission.
2, Span=encompass the entire emission
3, RBW=1MHz
4, VBW=3MHz
4, Detector= Peak (Max-hold)
5, Trace was allowed to stabilize

Average Measurements above 1GHz
1, Analyzer center frequency was set to the frequency of the radiated spurious emission.
2, Span=encompass the entire emission
3, RBW=1MHz
4, VBW=3MHz
4, Detector= RMS (Max-hold)
5, Trace was allowed to stabilize

6.3 Limit

The spurious Emission shall test through the 10th harmonic or 40GHz (whichever is lower). In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

Notes:

1, All emission out-side of the 5.15-5.35GHz band shall not exceed an EIRP of -27dBm/MHz (68.2dBuV/m, test distance: 3 meter), For the band 5.725-5.85GHz, all emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

2, The spectrum is measured from 9KHz to the 10th harmonic of the fundamental frequency of the transmitter using QP detector below 1GHz, above 1GHz, average & peak measurements were taken using for test. The worst-case emission are reported however emission whose levels were not within 20dB of the respective limited were not reported.

3, The test was performed on EUT under 802.11a/n-HT20/n-HT40/ac-HT20/HT40/HT80 continuously transmitting mode. Simultaneous transmitting was considered during the testing. All mode had been tested, but only the worst-case is recorded in the following graph and table.

6.3.1 Field Strength Calculation

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below.

FS = RA + AF + CF - AG + PD

Where FS = Field Strength in dBμV/m
RA = Receiver Amplitude (including preamplifier) in dBμV
CF = Cable Attenuation Factor in dB
AF = Antenna Factor in dB
AG = Amplifier Gain in dB
PD = Pulse Desensitization in dB

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

FS = RA + AF + CF - AG + PD

Example

Assume a receiver reading of 62.0 dBμV is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted. The pulse desensitization factor of the spectrum analyzer was 0 dB. The net field strength for comparison to the appropriate emission limit is 32 dBμV/m. This value in dBμV/m was converted to its corresponding level in μV/m.

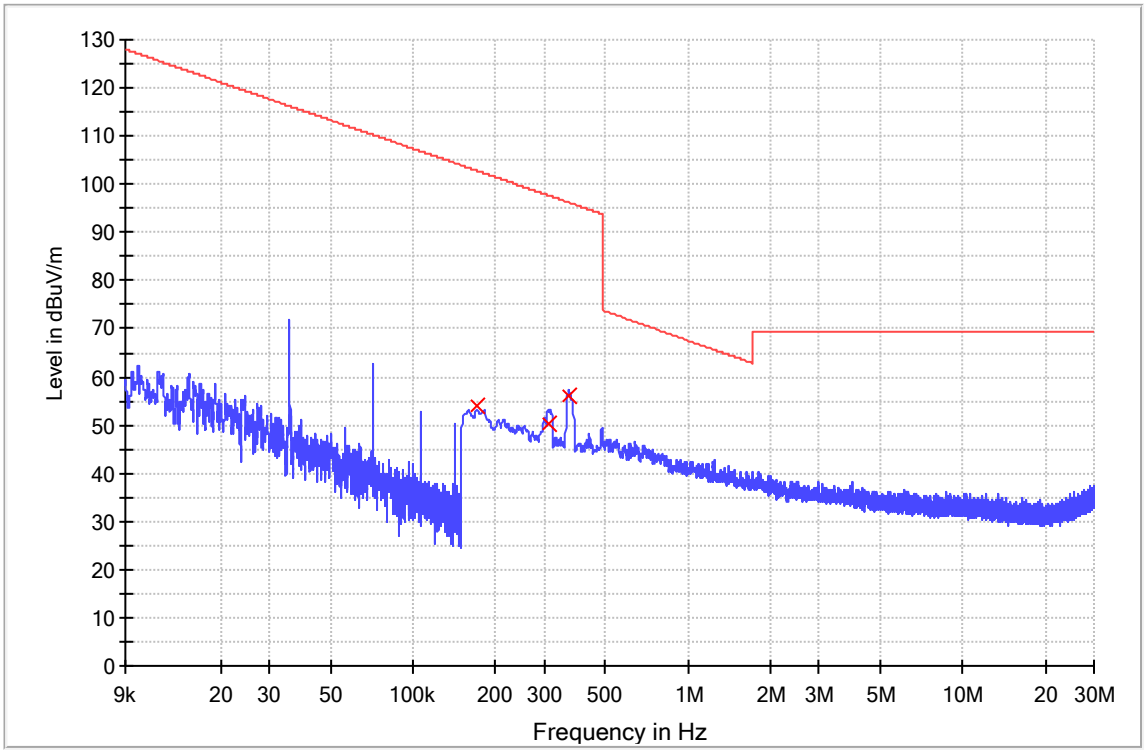
RA = 62.0 dBμV
AF = 7.4 dB
CF = 1.6 dB
AG = 29.0 dB
PD = 0 dB
FS = 62 + 7.4 + 1.6 - 29 + 0 = 42 dBμV/m

Level in mV/m = Common Antilogarithm [(42 dBμV/m)/20] = 125.9 μV/m

6.4 Radiated spurious emission test data

6.4.1 Measurement results: frequencies equal to or less than 1 GHz

Applicant: HONG KONG LELEGAO TECHNOLOGY CO.,LIMITED
Date of Test: 28 July 2026 Model: ZENO 6
Worst Case Operating Mode: Transmit (5190MHz)



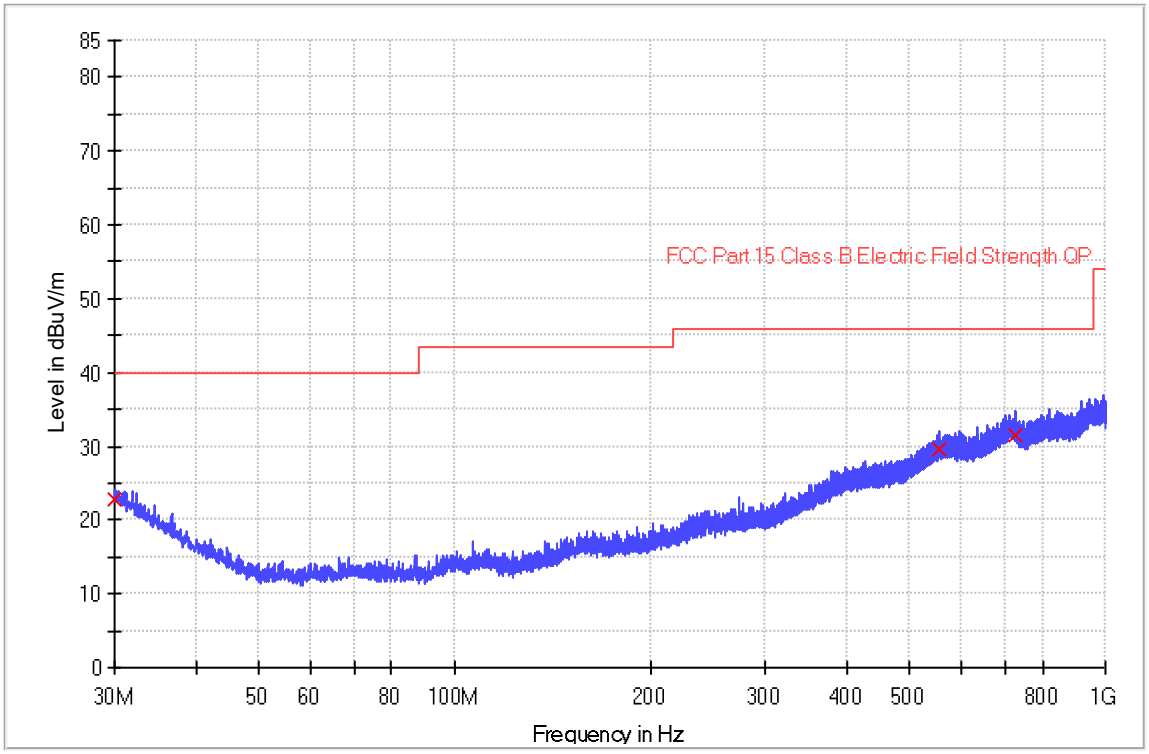
Frequency (MHz)	Quasi Peak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Corr. (dB/m)	Margin - QPK (dB)	Limit – QPK (dBµV/m)
0.170895	54.0	1000.0	9.000	18.0	48.8	102.8
0.313180	50.4	1000.0	9.000	17.4	47.2	97.6
0.367905	56.0	1000.0	9.000	17.3	40.3	96.3

Remark:
1. Corr. (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)
2. Quasi Peak (dBµV/m) = Corr. (dB/m) + Read Level (dBµV)
3. Margin (dB) = Limit Line (dBµV/m) – Level (dBµV/m)

Applicant: HONG KONG LELEGAO TECHNOLOGY CO.,LIMITED
Date of Test: 28 July 2026 Model: ZENO 6
Worst Case Operating Mode: Transmit (5190MHz)

Radiated Emissions

ANT Polarity: Horizontal



Limit and Margin

Frequency (MHz)	Quasi Peak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.000000	22.9	1000.0	120.000	H	22.8	17.1	40.0
556.742333	29.6	1000.0	120.000	H	29.2	16.4	46.0
728.723333	31.6	1000.0	120.000	H	31.1	14.4	46.0

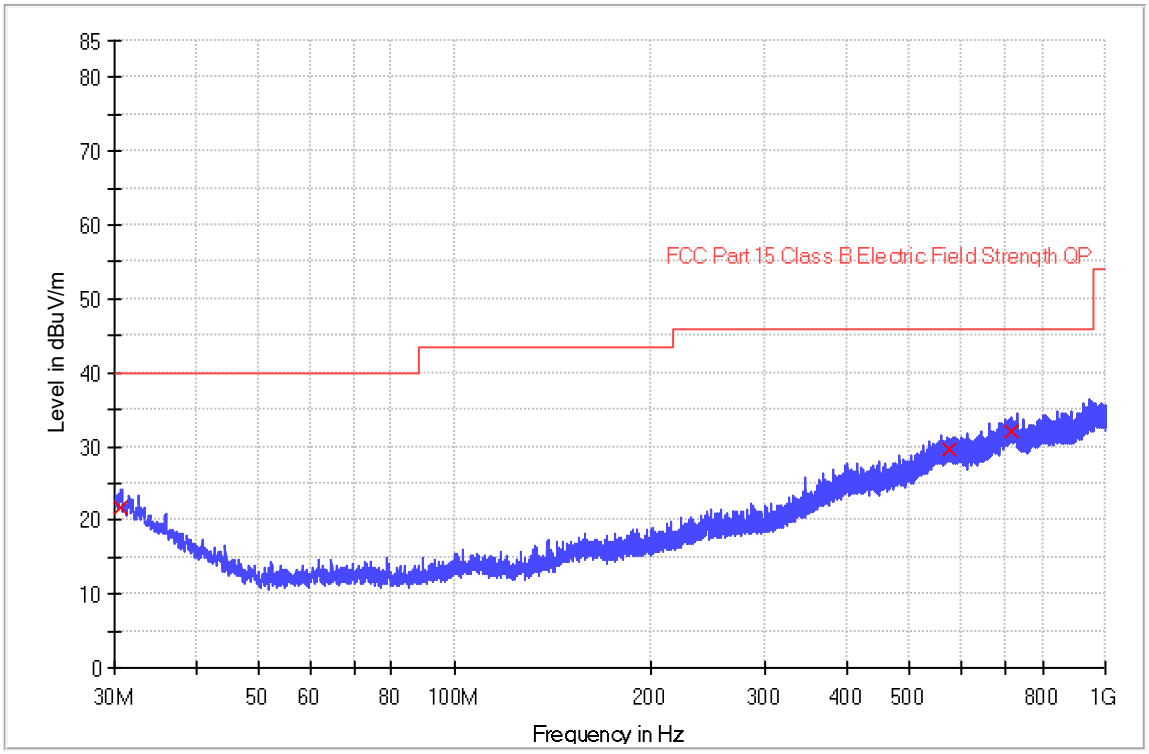
NOTES:

1. Quasi-Peak detectors are used for frequency below 1GHz.
2. All measurements were made at 3 meters. Harmonic emissions not detected at the 3-meter distances were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative value in the margin column shows emission below limit.
4. All emissions are below the QP limit.

Applicant: HONG KONG LELEGAO TECHNOLOGY CO.,LIMITED
Date of Test: 28 July 2026 Model: ZENO 6
Worst Case Operating Mode: Transmit (5190MHz)

Radiated Emissions

ANT Polarity: Vertical



Limit and Margin

Frequency (MHz)	Quasi Peak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.743667	21.7	1000.0	120.000	V	22.3	18.3	40.0
573.879000	29.7	1000.0	120.000	V	29.1	16.3	46.0
717.891667	32.0	1000.0	120.000	V	31.1	14.0	46.0

NOTES:

1. Quasi-Peak detectors are used for frequency below 1GHz.
2. All measurements were made at 3 meters. Harmonic emissions not detected at the 3-meter distances were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other harmonic emissions than those reported were detected at a test distance of 0.3-meter.
3. Negative value in the margin column shows emission below limit.
4. All emissions are below the QP limit.

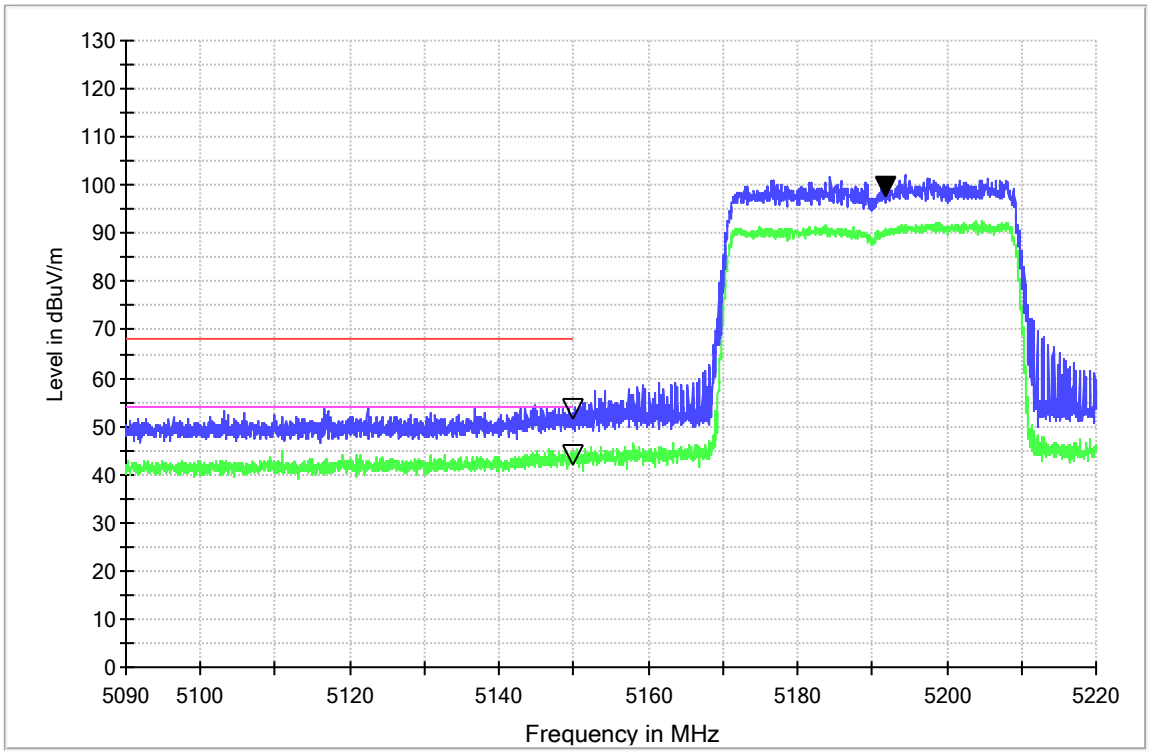
6.4.2 Measurement results: frequency above 1GHz

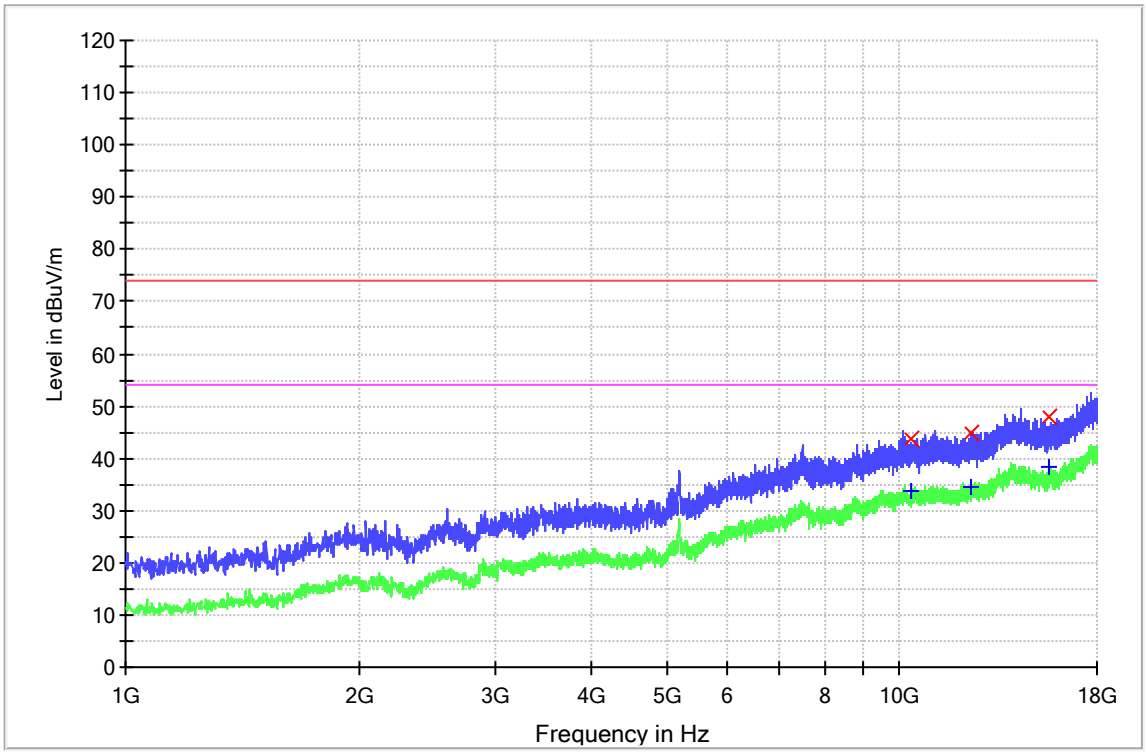
The worst case occurred at 802.11ax-HE40

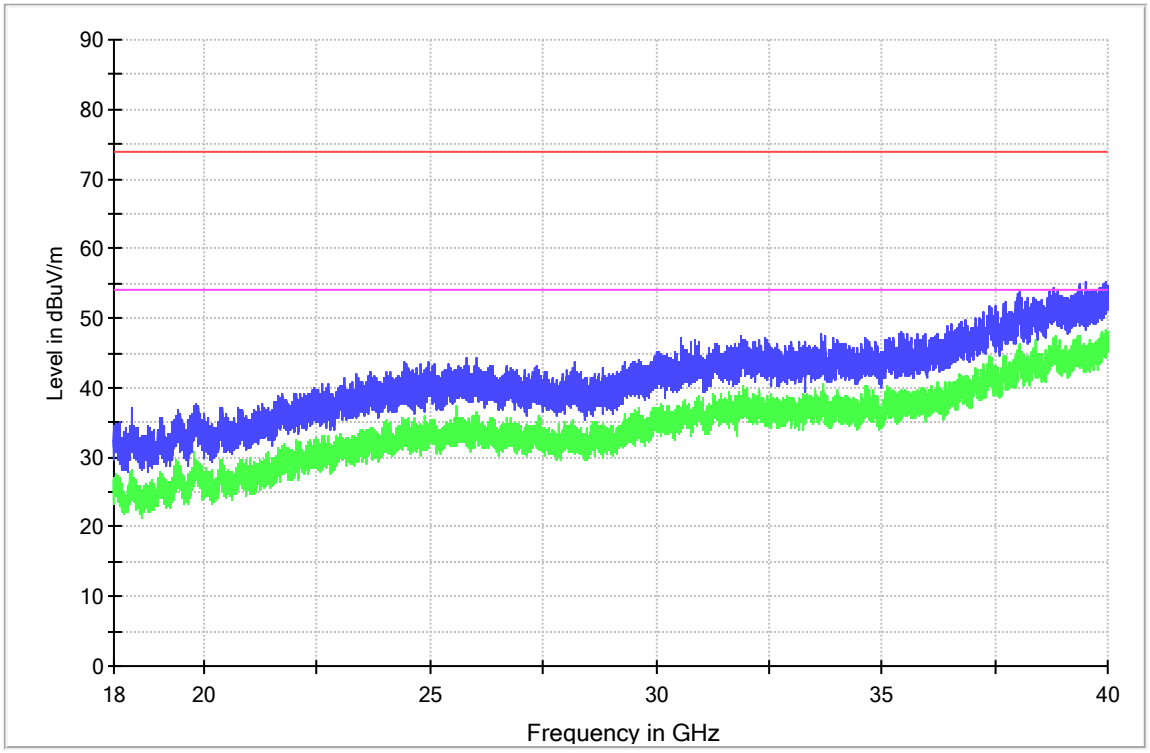
Channel 38

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	10380.000	41.1	36.3	38.9	43.7	68.2	-24.5
Horizontal	15570.000	41.5	34.7	41.0	47.8	68.2	-20.4
Horizontal	5150.000	52.3	33.5	32.9	51.7	68.2	-16.5

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	10380.000	31.2	36.3	38.9	33.8	54.0	-20.2
Horizontal	15570.000	32.1	34.7	41.0	38.4	54.0	-15.6
Horizontal	5150.000	43.1	33.5	32.9	42.5	54.0	-11.5



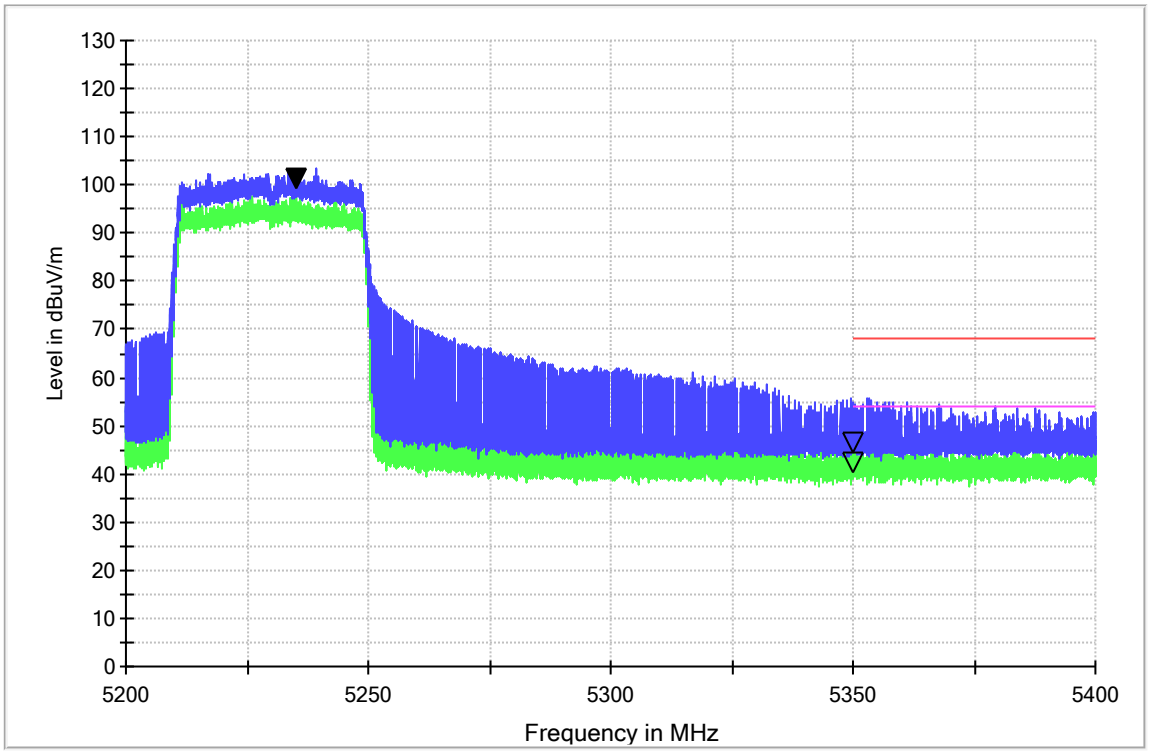

Level in dBuV/m
120
110
100
90
80
70
60
50
40
30
20
10
0
1G
2G
3G
4G
5G
6
8
10G
18G
Frequency in Hz

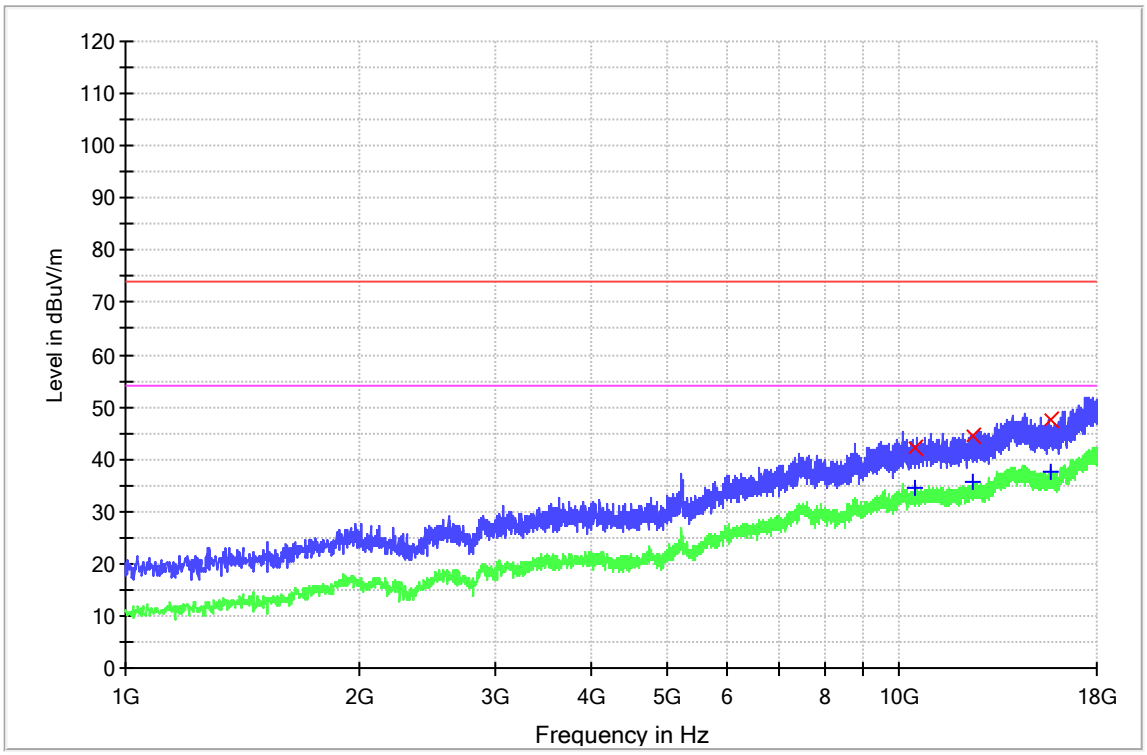

Level in dBuV/m
90
80
70
60
50
40
30
20
10
0
18
20
25
30
35
40
Frequency in GHz

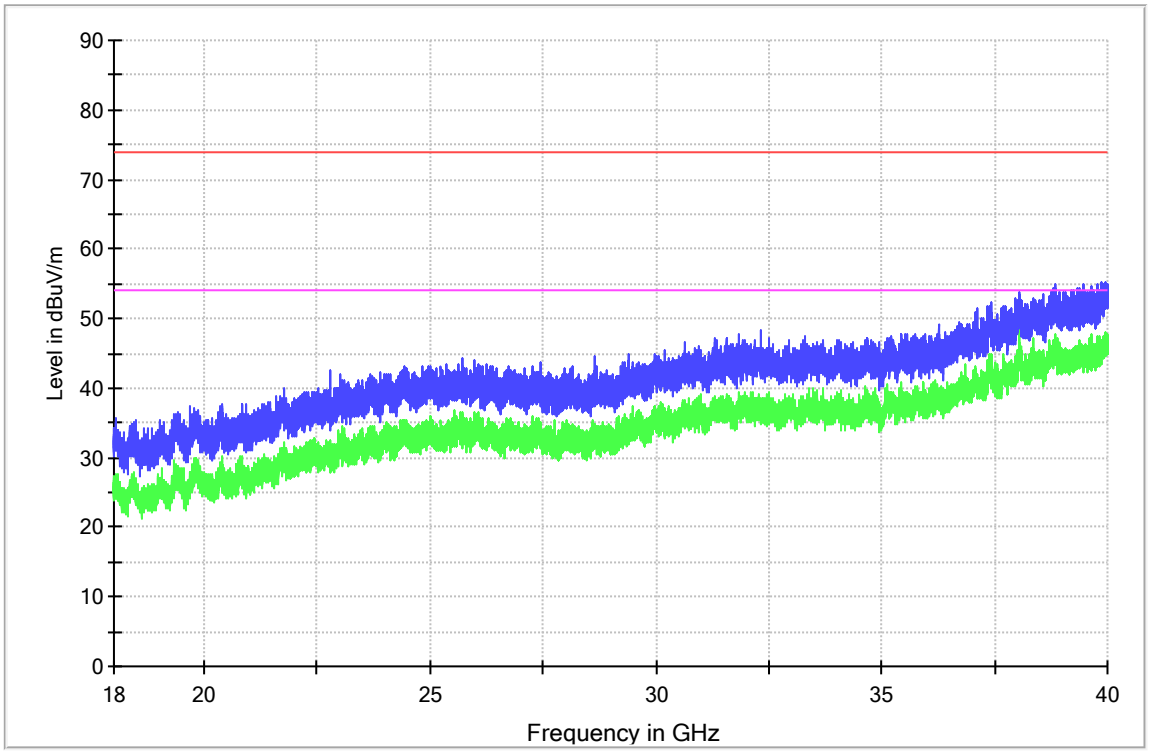
Channel 46

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	10460.000	39.7	36.3	38.9	42.3	68.2	-25.9
Horizontal	15690.000	41.4	34.7	41.0	47.7	68.2	-20.5
Horizontal	5350.000	45.1	33.4	33.2	44.9	68.2	-23.3

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	10460.000	32.1	36.3	38.9	34.7	54.0	-19.3
Horizontal	15690.000	31.4	34.7	41.0	37.7	54.0	-16.3
Horizontal	5350.000	41.0	33.4	33.2	40.8	54.0	-13.2



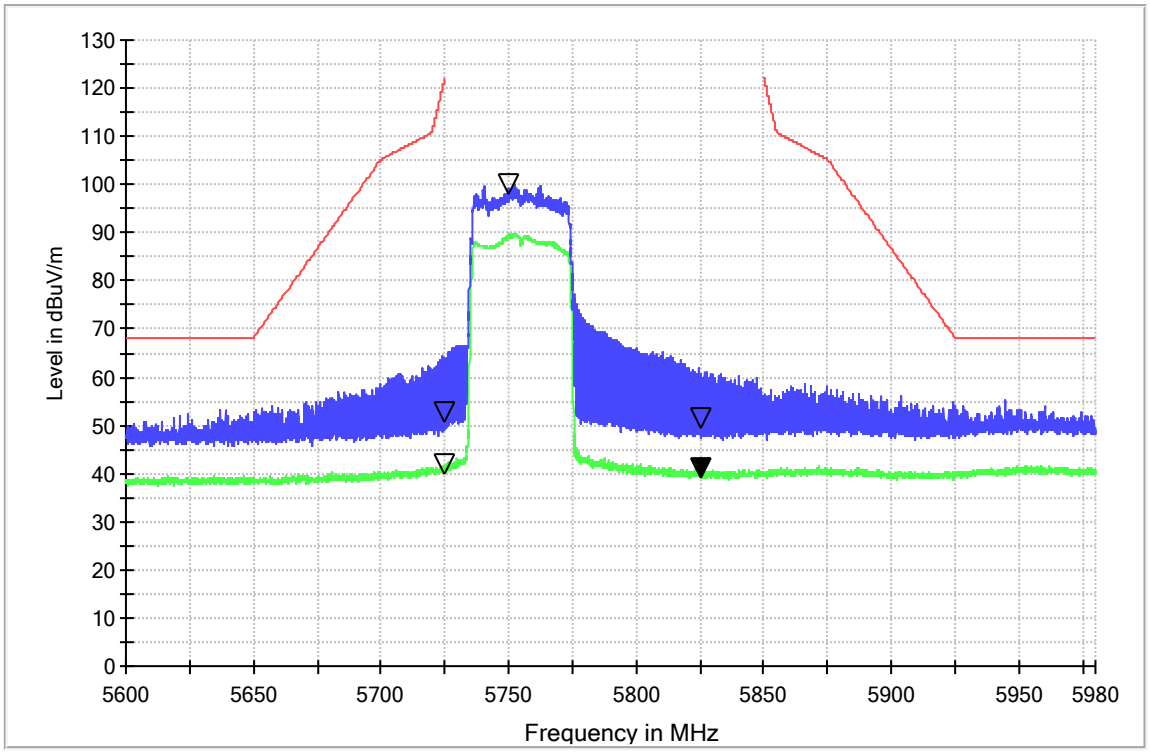

Level in dBuV/m
120
110
100
90
80
70
60
50
40
30
20
10
0
1G
2G
3G
4G
5G
6
8
10G
18G
Frequency in Hz

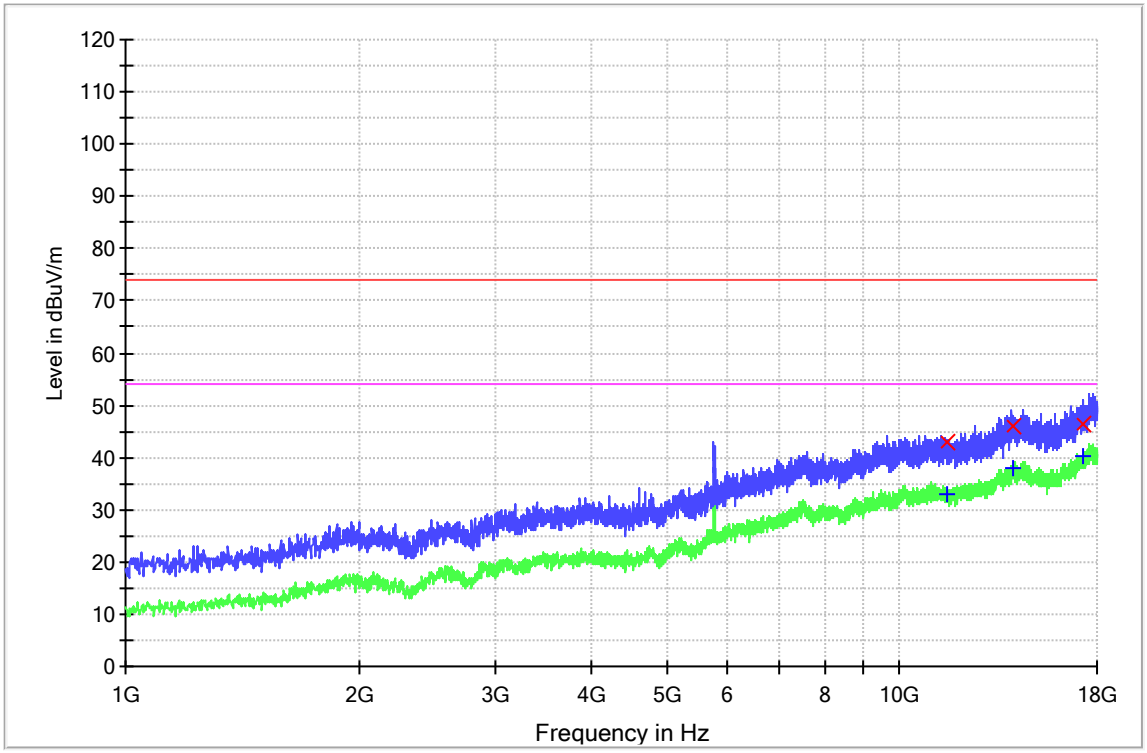

Level in dBuV/m
90
80
70
60
50
40
30
20
10
0
18
20
25
30
35
40
Frequency in GHz

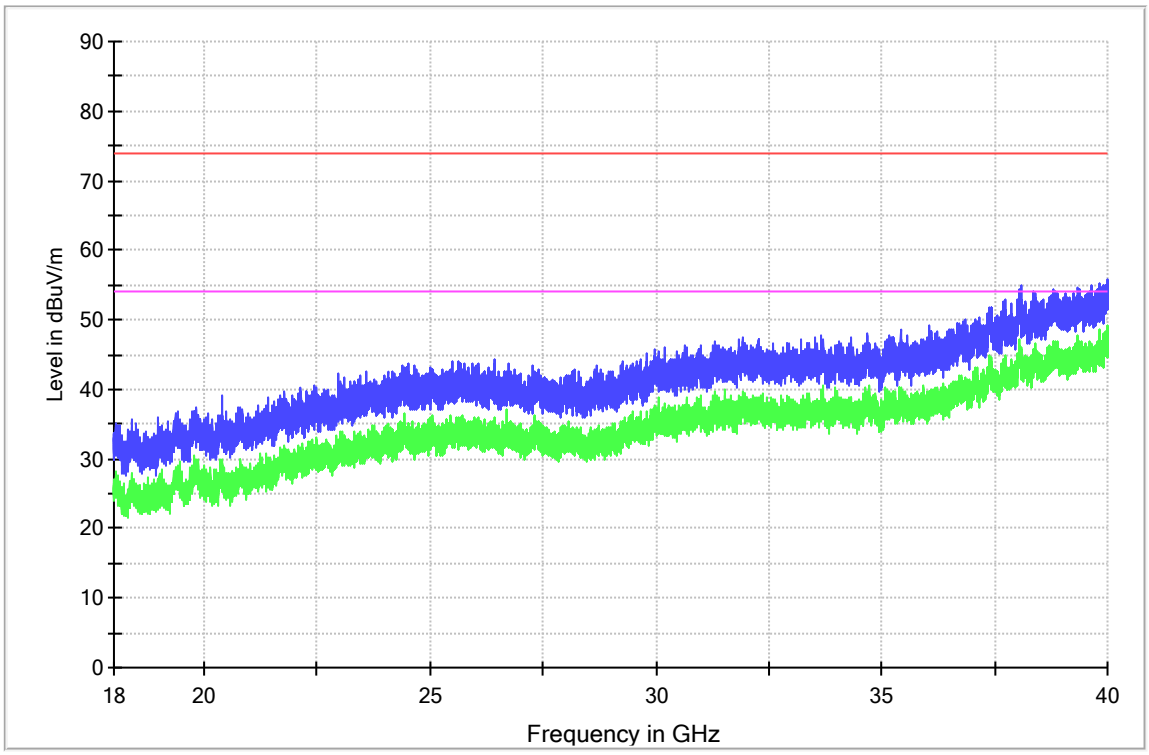
Channel 151

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	11510.000	40.2	36.3	39.0	42.9	68.2	-25.3
Horizontal	17265.000	40.0	34.7	41.2	46.5	68.2	-21.7
Horizontal	5725.000	52.0	33.9	32.9	51.0	122.2	-71.2

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	11510.000	30.4	36.3	39.0	33.1	54.0	-20.9
Horizontal	17265.000	33.6	34.7	41.2	40.1	54.0	-13.9



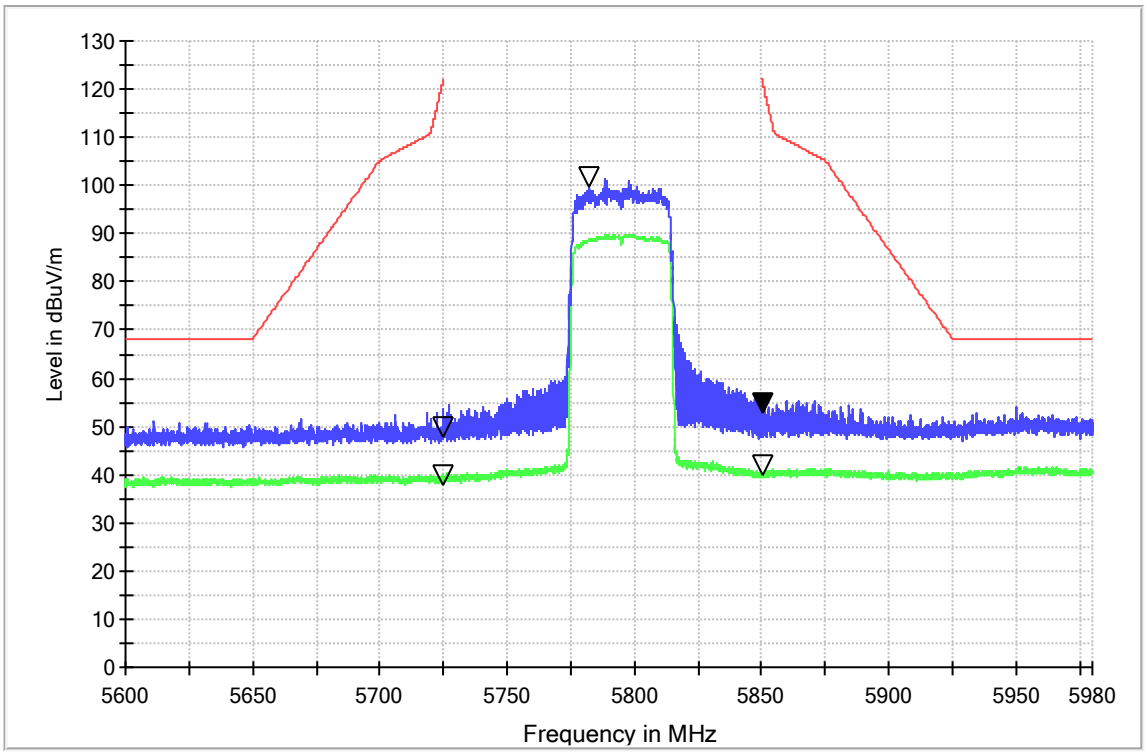

Level in dBuV/m
120
110
100
90
80
70
60
50
40
30
20
10
0
1G
2G
3G
4G
5G
6
8
10G
18G
Frequency in Hz

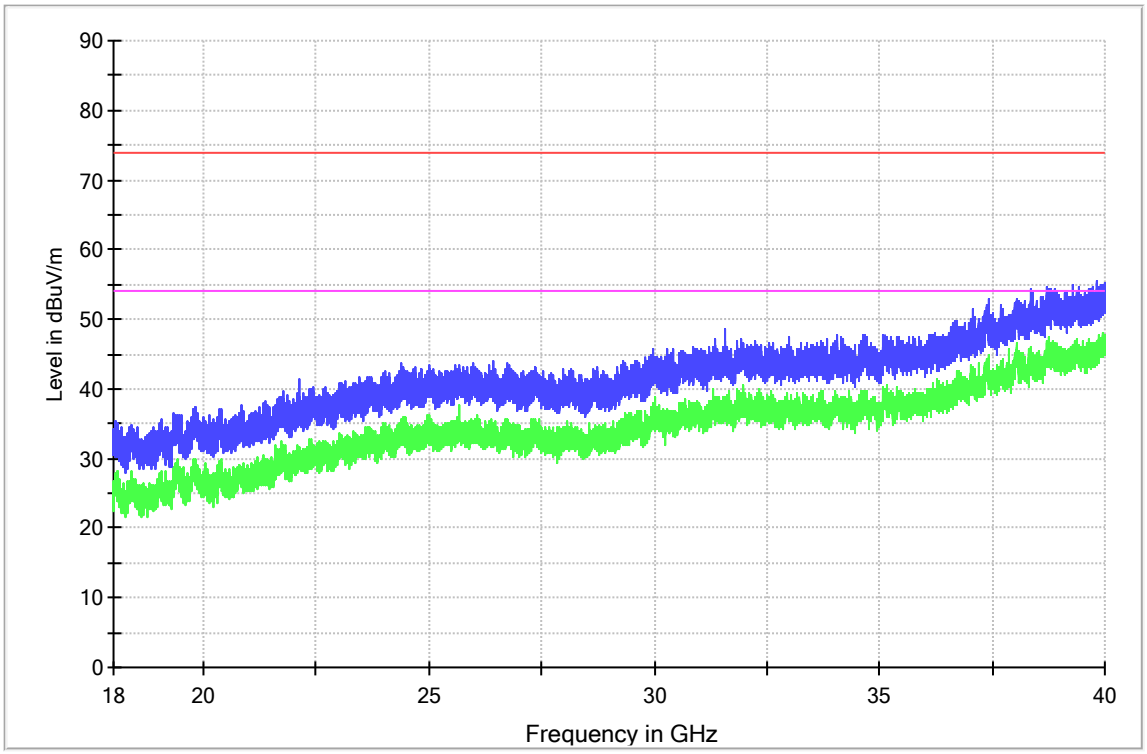

Level in dBuV/m
90
80
70
60
50
40
30
20
10
0
18
20
25
30
35
40
Frequency in GHz

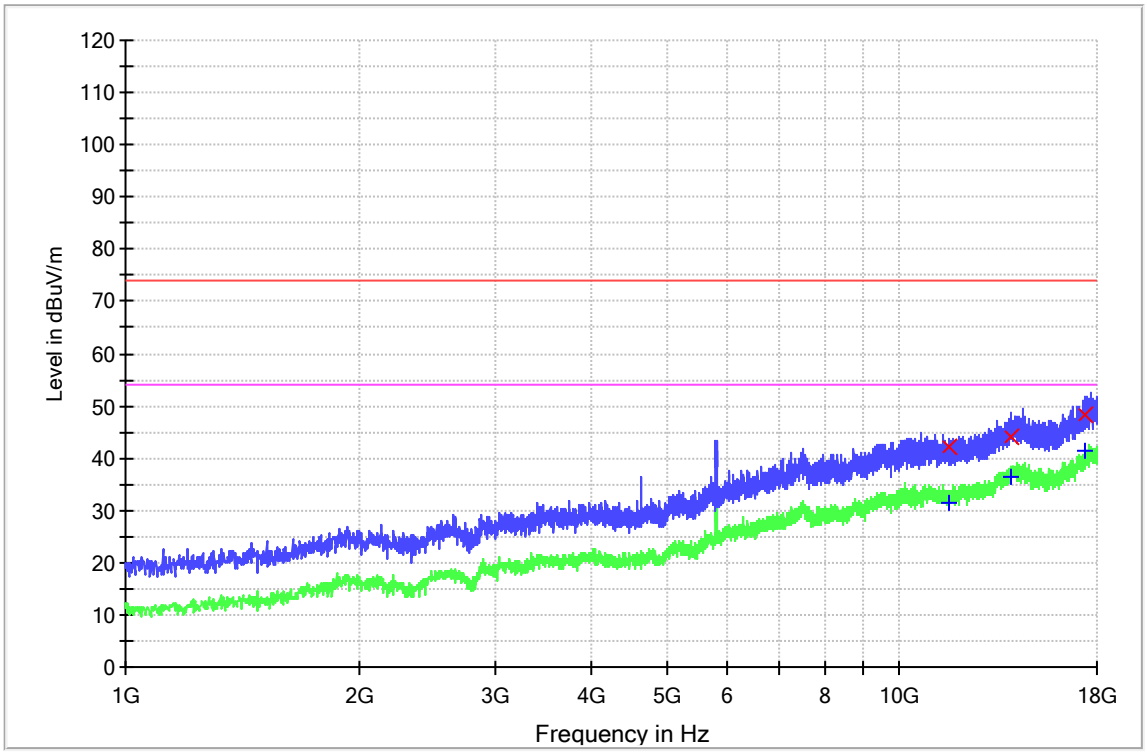
Channel 159

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	11590.000	39.4	36.3	39.0	42.1	68.2	-26.1
Horizontal	17385.000	41.6	34.7	41.2	48.1	68.2	-20.1
Horizontal	5850.000	52.1	33.4	34.5	53.2	122.2	-69.0

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	11590.000	28.6	36.3	39.0	31.3	54.0	-22.7
Horizontal	17385.000	34.8	34.7	41.2	41.3	54.0	-12.7







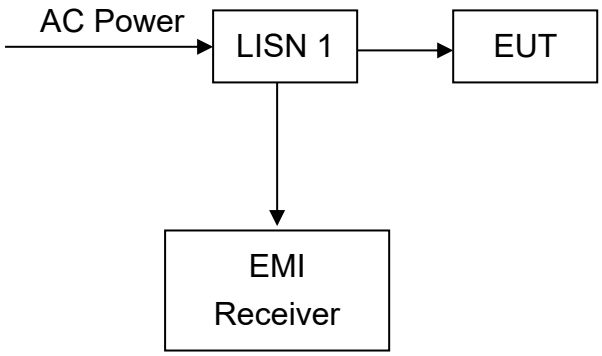
* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet the corresponding 20dB permitted peak limit with a peak detector function. All unwanted emissions outside of the 5.15-5.35GHz & 5725-5850 bands are complied with the limit.

7. Power Line Conducted Emission test

7.1 Operating environment

Temperature:	21.9	℃
Relative Humidity:	43	%
Atmospheric Pressure	1011	hPa

7.2 Test setup & procedure



The EUT are connected to the main power through a line impedance stabilization network (LISN). This provides a 50 ohm/50 uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50 ohm/50 uH coupling impedance with 50 ohm termination.

Both sides (Line and Neutral) of AC line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10/2013 on conducted measurement.

The bandwidth of the field strength meter (R & S Test Receiver ESCI 30) is set at 9 kHz.

7.3 Limit

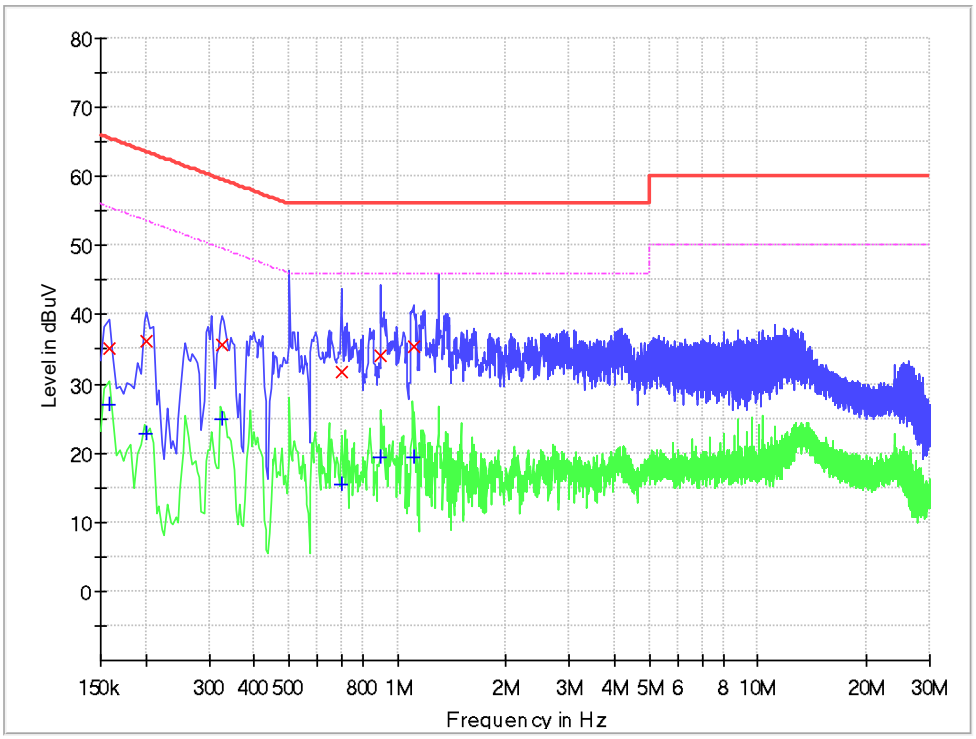
Frequency (MHz)	Conducted Limit (dBuV)	
	Q.P.	Ave.
0.15~0.50	66 – 56*	56 – 46*
0.50~5.00	56	46
5.00~30.0	60	50

*Decreases with the logarithm of the frequency.

7.4 Power Line Conducted Emission test data

Applicant: HONG KONG LELEGAO TECHNOLOGY CO.,**LIMITED**
Date of Test: 08 August 2026 Model: ZENO 6
Worst Case Operating Mode: Transmit (5190MHz)
Phase: Live

Conducted Emission Test



Limit and Margin QP

Frequency (MHz)	Quasi Peak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	35.1	9.000	L1	9.8	30.5	65.6
0.202000	36.2	9.000	L1	9.8	27.3	63.5
0.326000	35.6	9.000	L1	9.8	24.0	59.6
0.698000	31.6	9.000	L1	9.8	24.4	56.0
0.898000	34.1	9.000	L1	9.8	21.9	56.0
1.114000	35.5	9.000	L1	9.8	20.5	56.0

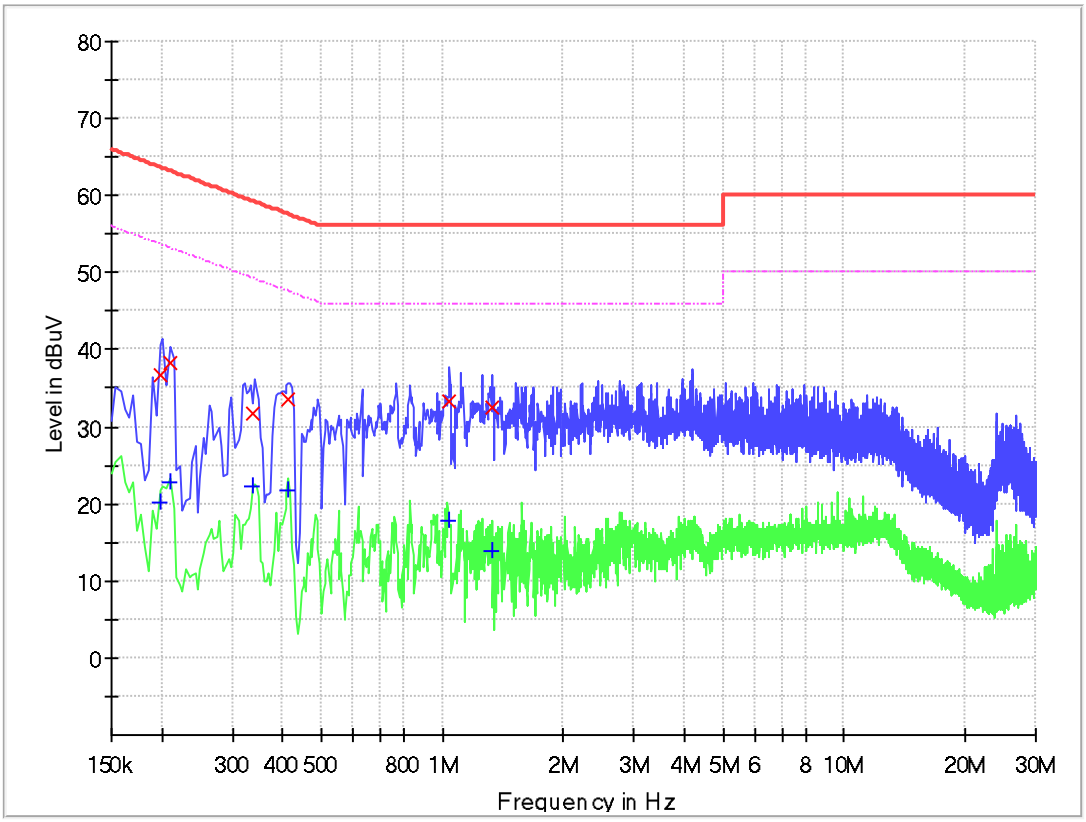
Limit and Margin AV

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	27.1	9.000	L1	9.8	28.5	55.6
0.202000	22.8	9.000	L1	9.8	30.7	53.5
0.326000	25.0	9.000	L1	9.8	24.6	49.6
0.698000	15.3	9.000	L1	9.8	30.7	46.0
0.898000	19.4	9.000	L1	9.8	26.6	46.0
1.114000	19.4	9.000	L1	9.8	26.6	46.0

Remark:
1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Margin (dB) = Limit (dBµV) – Level (dBµV)

Applicant: HONG KONG LELEGAO TECHNOLOGY CO.,**LIMITED**
Date of Test: 08 August 2026 Model: ZENO 6
Worst Case Operating Mode: Transmit (5190MHz)
Phase: Neutral

Conducted Emission Test



Limit and Margin QP

Frequency (MHz)	Quasi Peak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.198000	36.8	9.000	N	9.7	26.9	63.7
0.210000	38.3	9.000	N	9.7	24.9	63.2
0.338000	31.8	9.000	N	9.7	27.5	59.3
0.414000	33.5	9.000	N	9.7	24.1	57.6
1.042000	33.2	9.000	N	9.8	22.8	56.0
1.330000	32.5	9.000	N	9.8	23.5	56.0

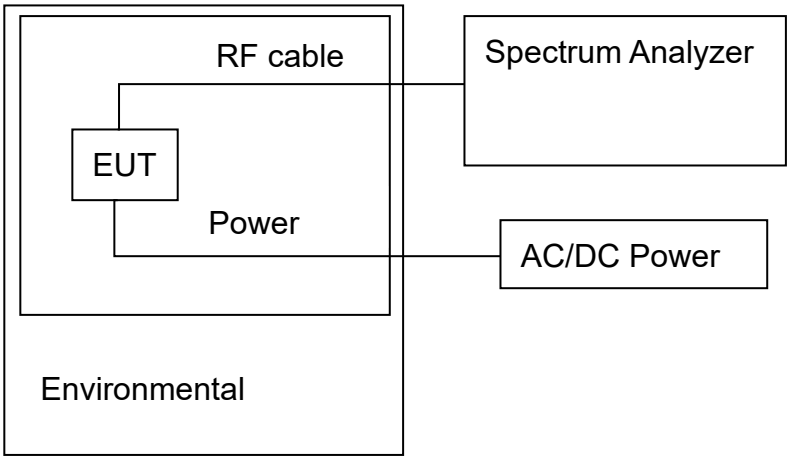
Limit and Margin AV

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.198000	20.2	9.000	N	9.7	33.5	53.7
0.210000	22.7	9.000	N	9.7	30.5	53.2
0.338000	22.3	9.000	N	9.7	27.0	49.3
0.414000	21.8	9.000	N	9.7	25.8	47.6
1.042000	17.9	9.000	N	9.8	28.1	46.0
1.330000	13.8	9.000	N	9.8	32.2	46.0

Remark:
1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Margin (dB) = Limit (dBµV) – Level (dBµV)

8. Frequency Stability Test

8.1 Test setup & procedure



Note1: The frequency stability is measured with the temperature variation range of 0℃ to +40℃, and voltage supply variation range of 85% to 115% of nominal DC supply voltage.

Note2: To ensure emission at the band-edge is maintained within the authorized band, the frequency 802.11a/n-HT20/n-HT40/ac-HT20/HT40/HT80/ax-HE20/HE40/HE80 channel 36, 40, 48, 149, 157, 165, 38, 46, 151, 159, 42, 155 are selected to test and the worst case was reported.

8.2 Frequency Stability Test Data

20℃ is taken as temperature in normal condition (NT).

3.85 VDC is normal voltage (NV)

3.60 VDC is low voltage (LV)

4.40 VDC is high voltage (HV)

The more detail please refer to Appendix “Frequency Stability” of “260723059SZN-004_Appendix”.

Note: All emissions are maintained within the band of operation under all conditions of normal operation as specified in the user manual. It fulfills the requirement of 15.407(g).

Appendix A: Test equipment list

Equipment No.	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
SZ182-02	RF Power Meter	Anritsu	ML2496A	1302005	2026-04-13	2027-04-13
SZ182-02-01	Pulse Power Sensor	Anritsu	MA2411B	1207429	2026-04-13	2027-04-13
SZ056-06	Signal Analyzer	R&S	FSV 40	101101	2025-12-01	2026-12-01
SZ061-13	BiConiLog Antenna	ETS	3142E	00217919	2025-05-29	2028-05-29
SZ061-09	Horn Antenna	ETS	3115	00092347	2025-10-20	2028-10-20
SZ061-06	Active Loop Antenna	Electro-Metrics	EM-6876	217	2024-05-05	2027-05-05
SZ061-15	Double-Ridged Waveguide Horn Antenna	ETS	3116C-PA	00224718	2025-05-20	2028-05-20
SZ061-07	Pyramidal Horn Antenna	ETS	3160-09	00083067	2025-09-11	2028-09-11
SZ185-03	EMI Receiver	R&S	ESR7	101975	2026-04-10	2027-04-10
SZ056-05	Signal Analyzer	R&S	FSV40	US40522113	2025-12-01	2026-12-01
SZ181-08	Microwave System Amplifier	keysight	83017A	MY57280108	2026-07-22	2027-07-22
SZ188-05	Anechoic Chamber	ETS	FACT 3-2.0	CT001880-Q13914102	2025-06-18	2028-06-18
SZ062-23	RF Cable	HUBER+SUHNER	SF104PE-1M	MY4262/4PE	2025-09-15	2026-09-15
SZ062-40	RF Cable	Talent Microwave	A50-3.5M3.5M-4.5M	22012932	2025-09-15	2026-09-15
SZ062-38	RF Cable	Talent Microwave	A50-3.5M3.5M-8M	21051695	2025-09-15	2026-09-15
SZ067-25	Notch Filter	Micro-Tronics	BRM50716	076	2026-02-08	2027-02-08
SZ067-04	Notch Filter	Micro-Tronics	BRM50702-02	015	2026-04-13	2027-04-13
SZ185-02	EMI Test Receiver	R&S	ESCI	100692	2026-06-04	2027-06-04
SZ187-02	Two-Line V-Network	R&S	ENV216	100073	2026-04-10	2027-04-10
SZ062-16	RF Cable	HUBER+SUHNER	CBL2-BN-1m	110127-2231000	2026-06-04	2027-06-04

Software Information			
Test Item	Software Name	Manufacturer	Version
Radiated Test	EMC32	R&S	V10.20.01
Conducted Test	EMC32	R&S	V10.60.20
Conducted RF	Tonscend RF TEST SYSTEM	Shenzhen JS tonscend co., Ltd	2.6.87.0615

Expanded uncertainty of radiated emission measurement is ±4.9 dB.

Expanded uncertainty of conducted emission measurement is ±3.2 dB.

********** End of Report**********