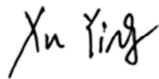


RF TEST REPORT

Applicant Positec Technology (China) Co., Ltd.
FCC ID 2ASC3KR800
Product Lawn Mowing Robot
Brand KRESS
Model KR800
Report No. EFTA25060090-IE-05-R2V1
Issue Date September 28, 2025

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15C (2024)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.



Prepared by: Xu Ying



Approved by: Xu Kai

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Version	Revision Description	Issue Date
Rev.0	Initial issue of report.	September 20, 2025
Rev.1	Update description.	September 28, 2025
Note: This revised report (Report No.: EFTA25060090-IE-05-R2V1) supersedes and replaces the previously issued report (Report No.: EFTA25060090-IE-05-R2). Please discard or destroy the previously issued report and dispose of it accordingly.		

Summary of Measurement Results

Number	Test Case	Clause in FCC rules	Verdict
1	Maximum output power	Refer to the Module report (Model: AW-CM467-USB-I; Report No.: FR181814AA for Wi-Fi 2.4G; Report No.: FR181814AD for Bluetooth LE; FCC ID: TLZ-CM467, Grant date: 12/20/2021)	
2	99% Bandwidth and 6dB Bandwidth		
3	Power spectral density		
4	Band Edge		
5	Spurious RF Conducted Emissions		
6	6dB Bandwidth for Wi-Fi 2.4G	15.247(a)(2) C63.10 6.9	PASS
7	Unwanted Emissions	15.247(d), 15.205, 15.209	PASS
8	Conducted Emissions	15.207	PASS
Date of Testing: June 14, 2025 ~ August 29, 2025 and September 19, 2025 Date of Sample Received: June 6, 2025			
Note: All indications of Pass/Fail in this report are opinions expressed by Eurofins TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

This report is also used for standard upgrade.

According to customer requirements the detailed standard upgrade please refers to following table:

Old Standard(s)	New Standard(s)
ANSI C63.10-2013	ANSI C63.10-2020

After technical evaluation, only test 6dB Bandwidth for Wi-Fi 2.4G and recorded in the report.

1. Test Laboratory

1.1. Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **Eurofins TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test Facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

A2LA (Certificate Number: 3857.01)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

1.3. Testing Location

Company: Eurofins TA Technology (Shanghai) Co., Ltd.
Address: Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
City: Shanghai
Post code: 201201
Country: P. R. China
Contact: Xu Kai
Telephone: +86-021-50791141/2/3
Fax: +86-021-50791141/2/3-8000
Website: <https://www.eurofins.com/electrical-and-electronics>
E-mail: Kain.Xu@cpt.eurofinscn.com

2. General Description of Equipment Under Test

2.1. Applicant and Manufacturer Information

Applicant	Positec Technology (China) Co., Ltd.
Applicant address	18, Dongwang Road, Suzhou Industrial Park, Jiangsu 215123, P.R.China
Manufacturer	Positec Technology (China) Co., Ltd.
Manufacturer address	18, Dongwang Road, Suzhou Industrial Park, Jiangsu 215123, P.R.China

2.2. General Information

EUT Description		
Model	KR800	
SN	Conducted	MPY23ED5A001478
Lab internal SN	Radiated	250606-39-001
Hardware Version	HV1.51	
Software Version	3.3.2+4	
Power Supply	Battery / Charger	
Antenna Type	Internal Antenna	
Antenna Connector	FK6121AW-089-TT30G-50 antenna (meet with the standard FCC Part 15.203 requirement)	
Antenna Gain	6.0 dBi	
Additional Beamforming Gain	NA	
Operating Frequency Range(s)	802.11b/g/n(HT20): 2412 ~ 2462 MHz Bluetooth LE V5.0: 2402 ~2480 MHz	
Modulation Type	802.11b: DSSS 802.11g/n: OFDM Bluetooth LE: GFSK	
Operating voltage range	44.80 Vdc to 48.44 Vdc	
State voltage	45 Vdc	
EUT Accessory		
Charger	Manufacturer: Positec Technology (China) Co., Ltd. Model: KAC841 Input: 220-240V~ 50/60Hz 1800W Output: 60.0V---30A	
Battery (Built-in)	Manufacturer: Positec Technology (China) Co., Ltd. Model: KA3110 DC 45V, 268Ah	
Battery (External)	Manufacturer: Positec Technology (China) Co., Ltd. Model: KAC815 60VDC 1500Wh Max	

	54VDC 25Ah
Note: 1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant. 2. The external battery is only for emergency charging.	

3. Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards:

FCC CFR47 Part 15C (2024) Radio Frequency Devices

ANSI C63.10-2020

Reference standard:

KDB 558074 D01 15.247 Meas Guidance v05r02

4. Test Configuration

Test Mode

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate. Preliminary tests have been done on all the configuration for confirming worst case. Data rate below means worst-case rate of each test item.

Worst-case data rates are shown as following table.

Test Mode	Data Rate
Bluetooth (Low Energy)	1Mbps
802.11b	1 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0

5. Test Case Results

5.1. 99% Bandwidth and 6dB Bandwidth

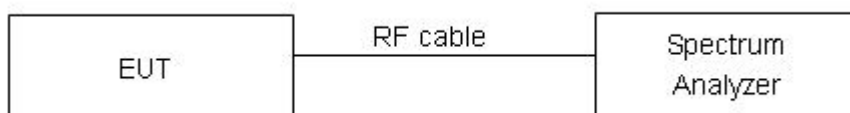
Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

Method of Measurement

The EUT was connected to the spectrum analyzer through a known loss cable. The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value.

Test Setup



Limits

Rule Part 15.247 (a) (2) specifies that “Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.”

minimum 6 dB bandwidth	≥ 500 kHz
------------------------	-----------

Measurement Uncertainty

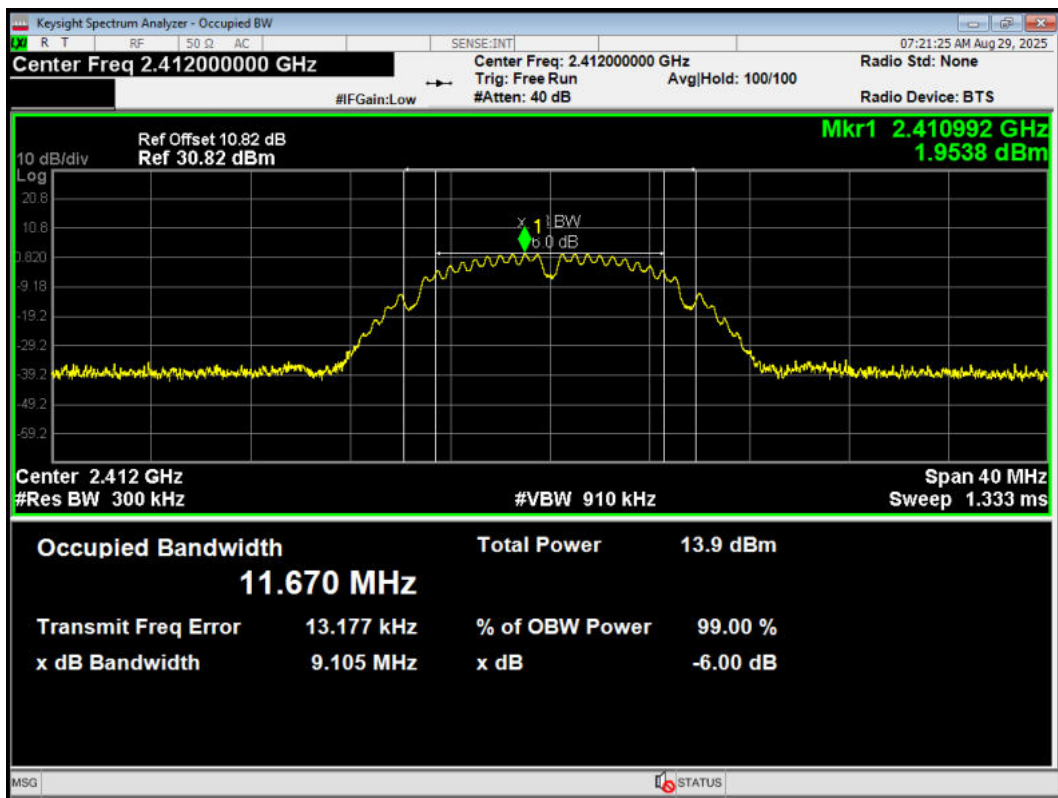
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 936$ Hz.

Test Results:

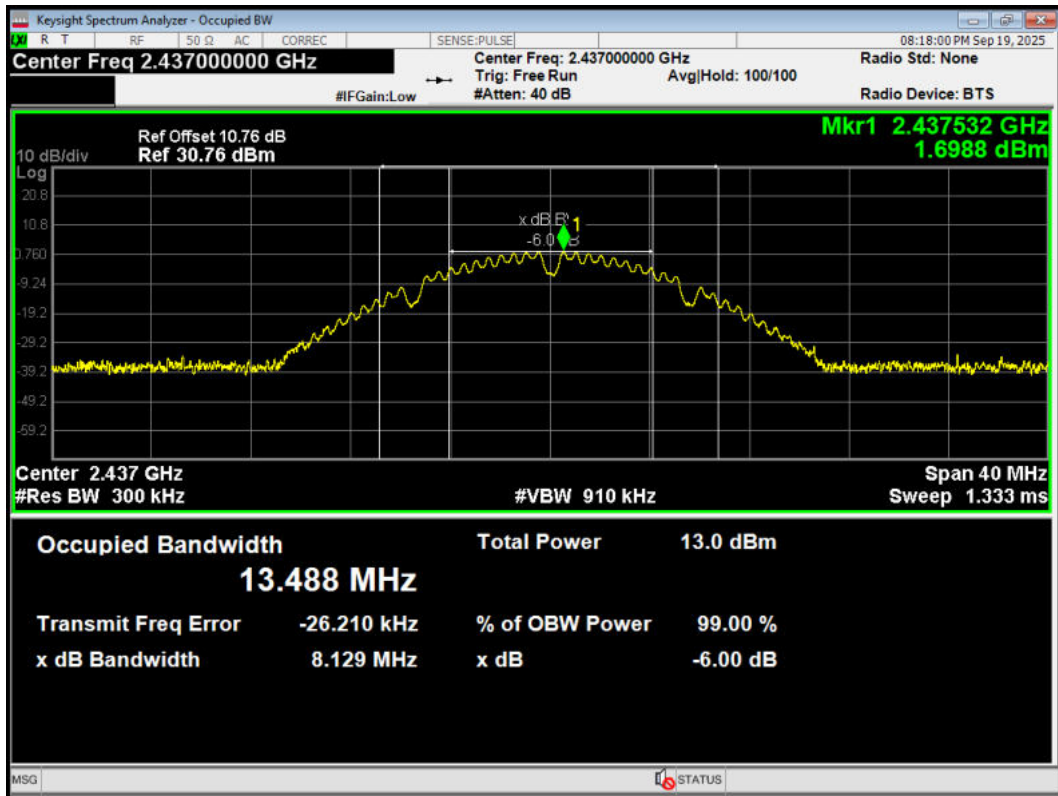
Test Mode	Carrier frequency (MHz)	Minimum 6 dB bandwidth (MHz)	Limit (kHz)	Conclusion
802.11b	2412	9.105	500	PASS
	2437	8.129	500	PASS
	2462	9.038	500	PASS
802.11g	2412	16.462	500	PASS
	2417	16.431	500	PASS
	2437	16.312	500	PASS
	2462	16.376	500	PASS
802.11n HT20	2412	17.632	500	PASS
	2417	17.599	500	PASS
	2437	17.670	500	PASS
	2457	17.648	500	PASS
	2462	17.607	500	PASS

6 dB bandwidth

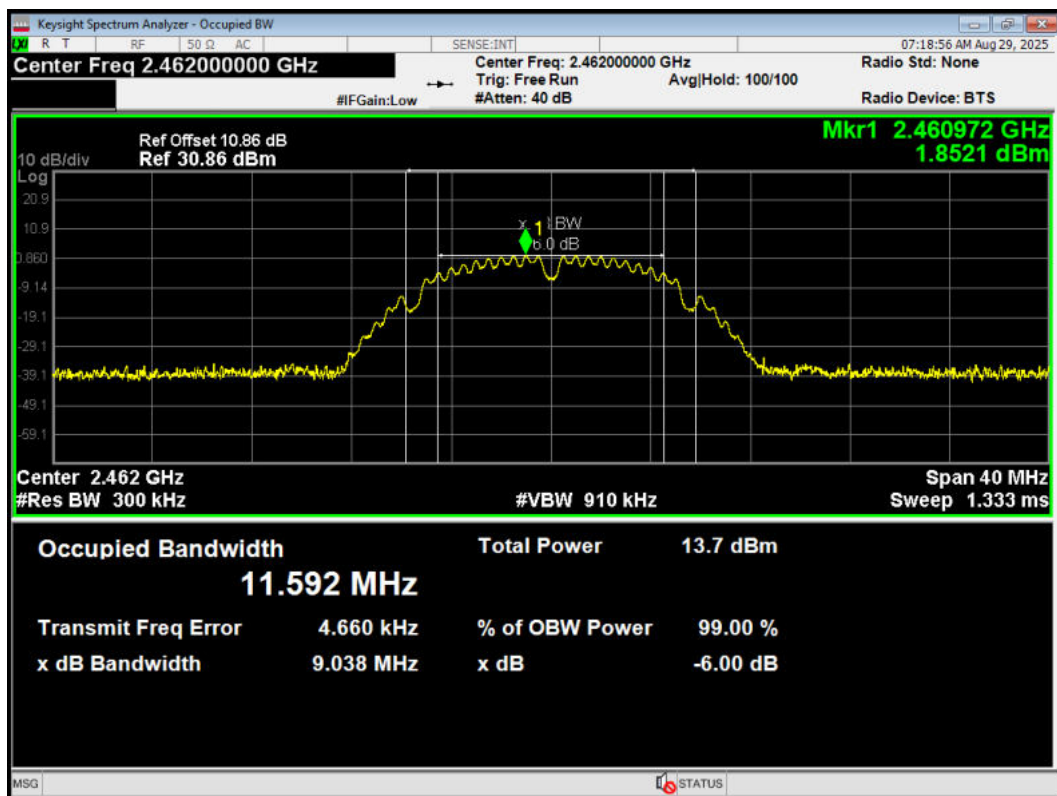
-6dB Bandwidth 802.11b 2412MHz



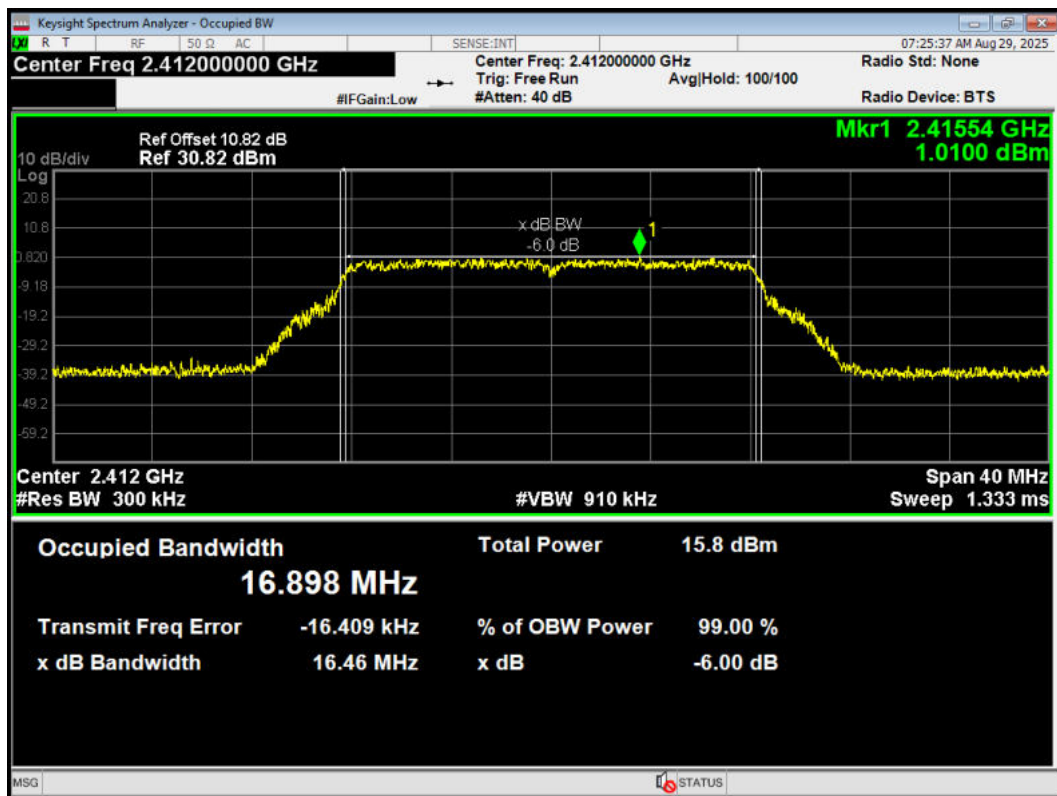
-6dB Bandwidth 802.11b 2437MHz



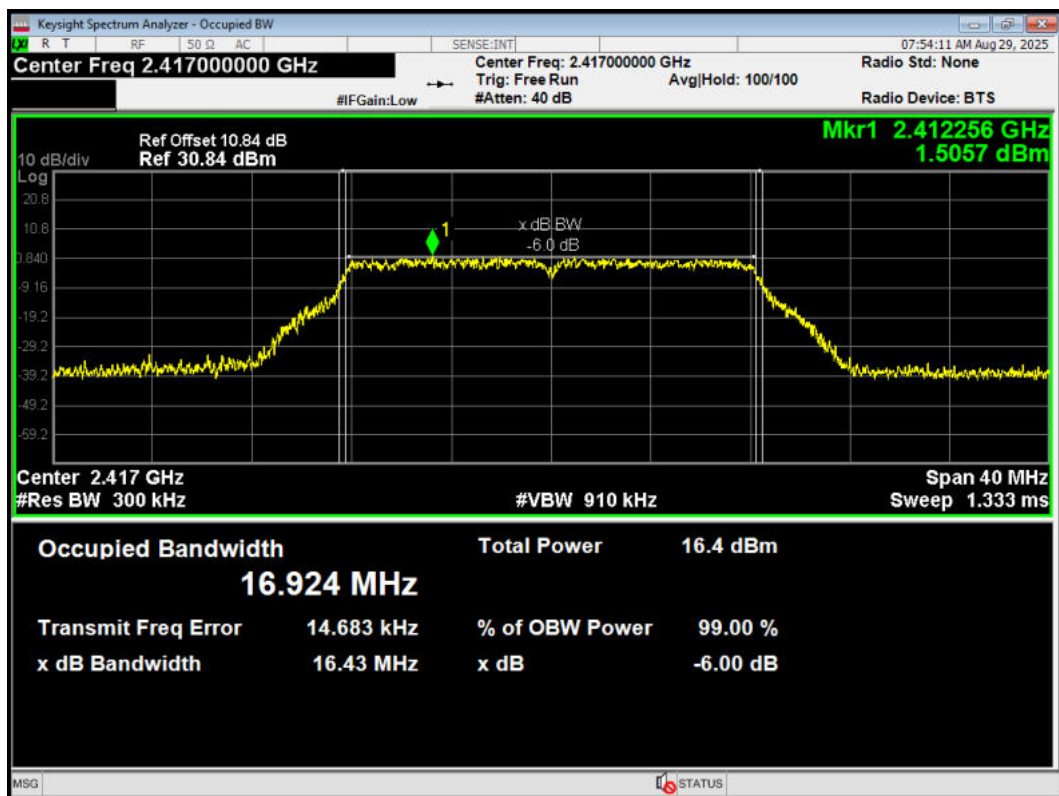
-6dB Bandwidth 802.11b 2462MHz



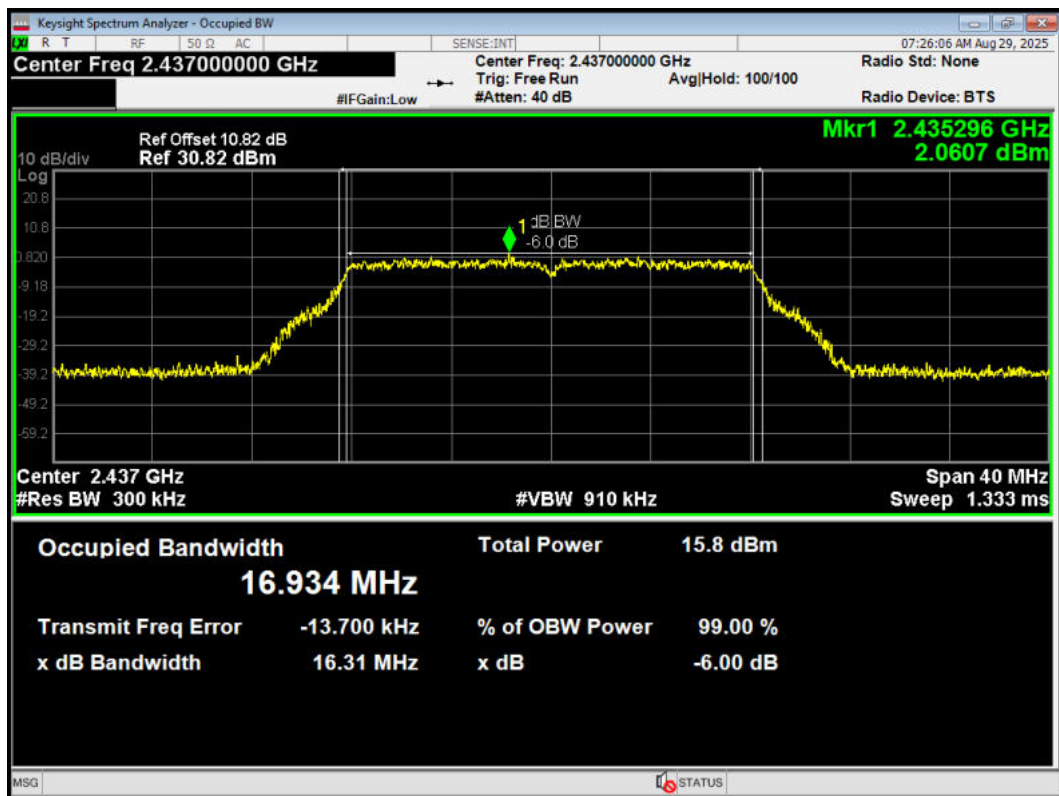
-6dB Bandwidth 802.11g 2412MHz



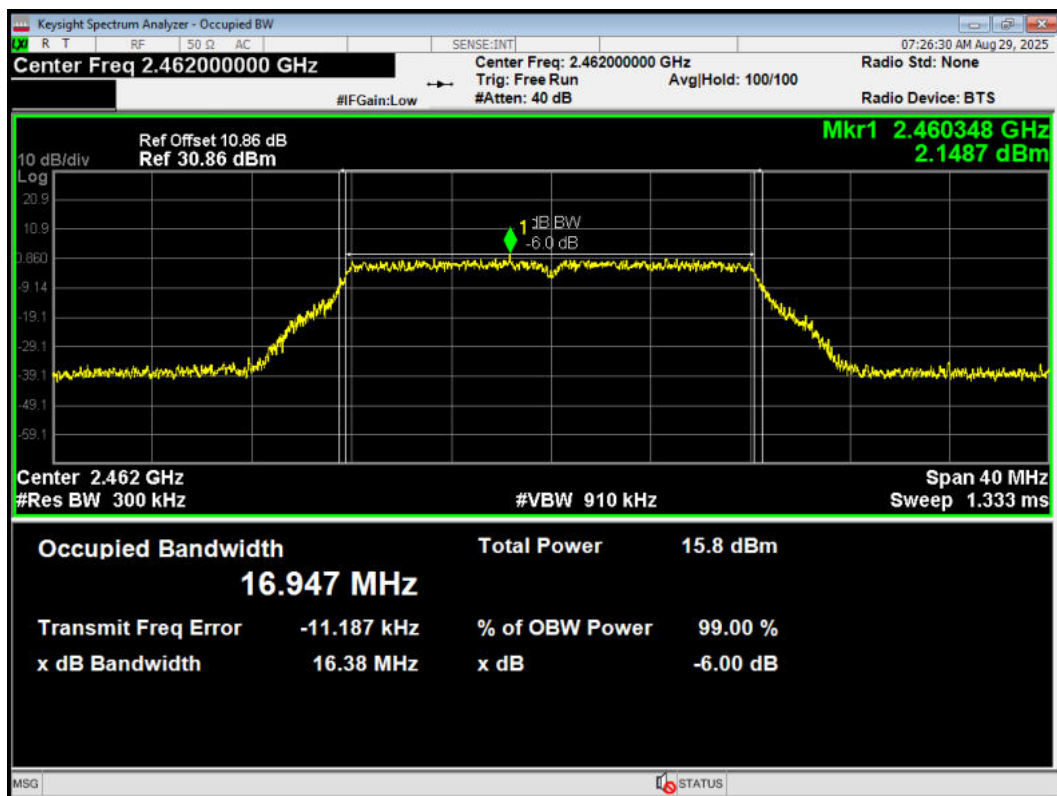
-6dB Bandwidth 802.11g 2417MHz



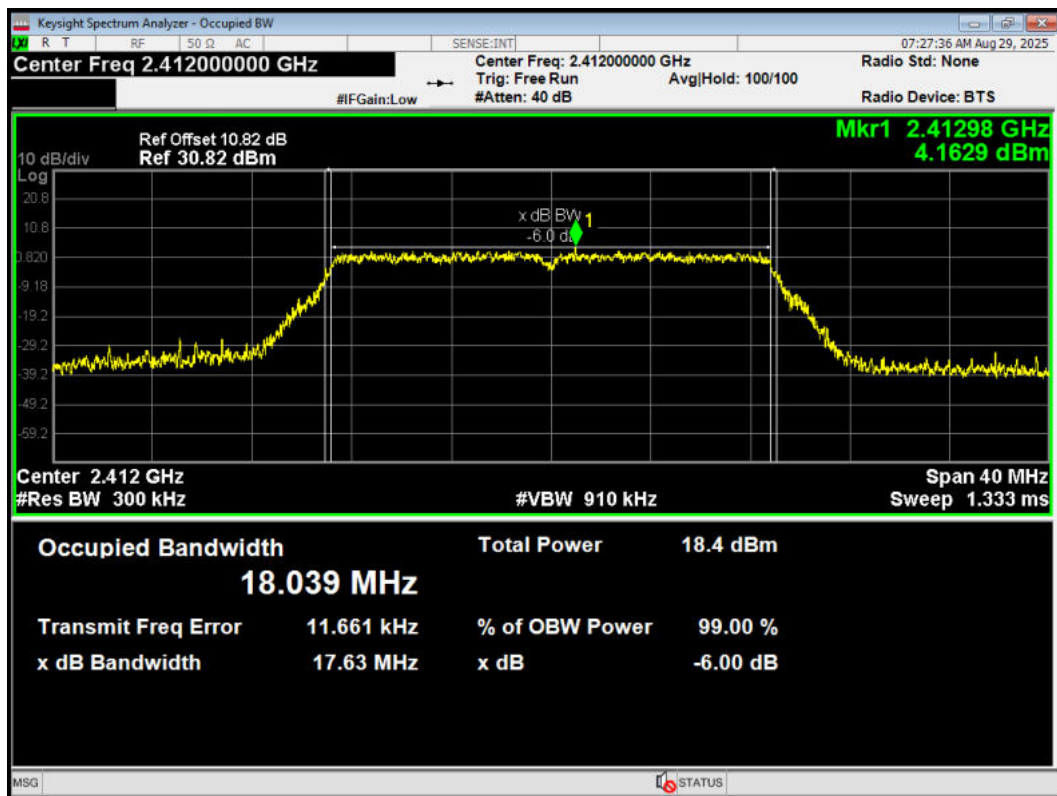
-6dB Bandwidth 802.11g 2437MHz



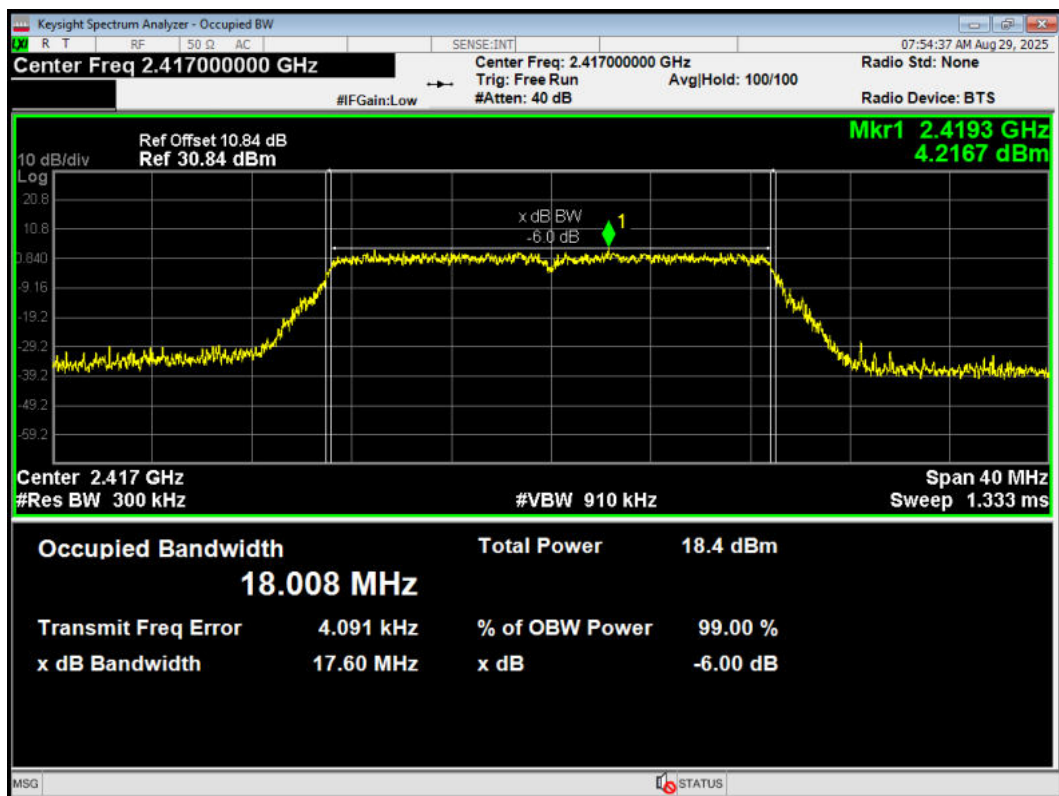
-6dB Bandwidth 802.11g 2462MHz



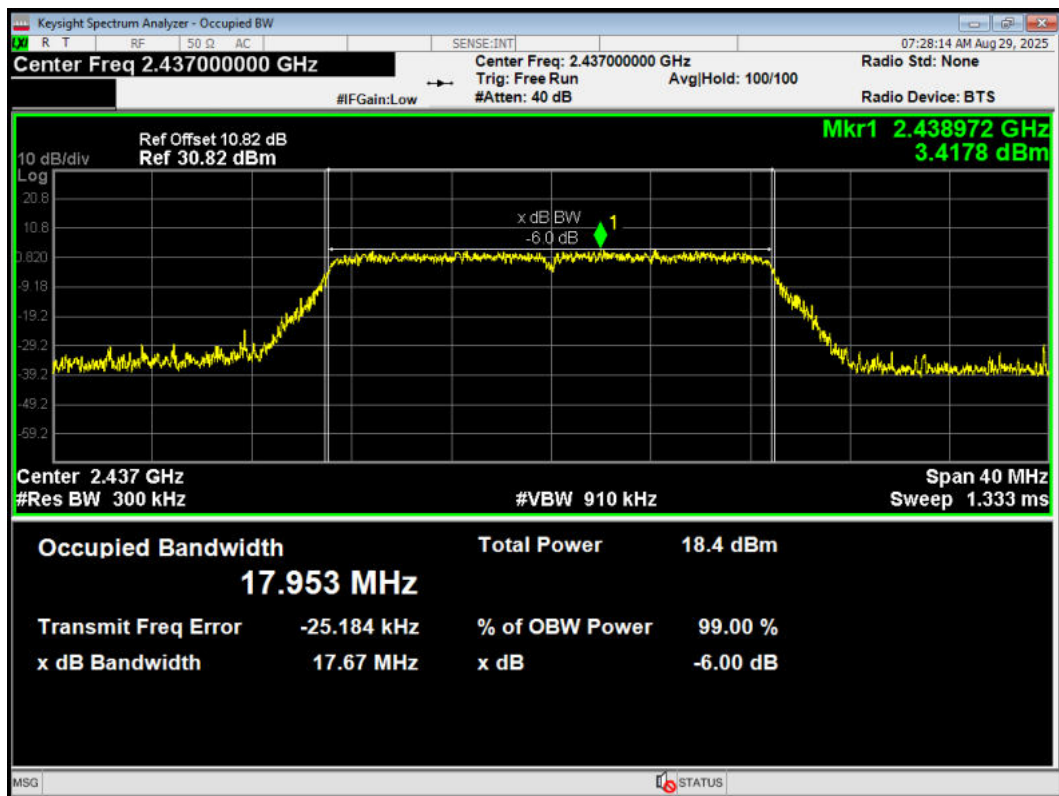
-6dB Bandwidth 802.11n(HT20) 2412MHz



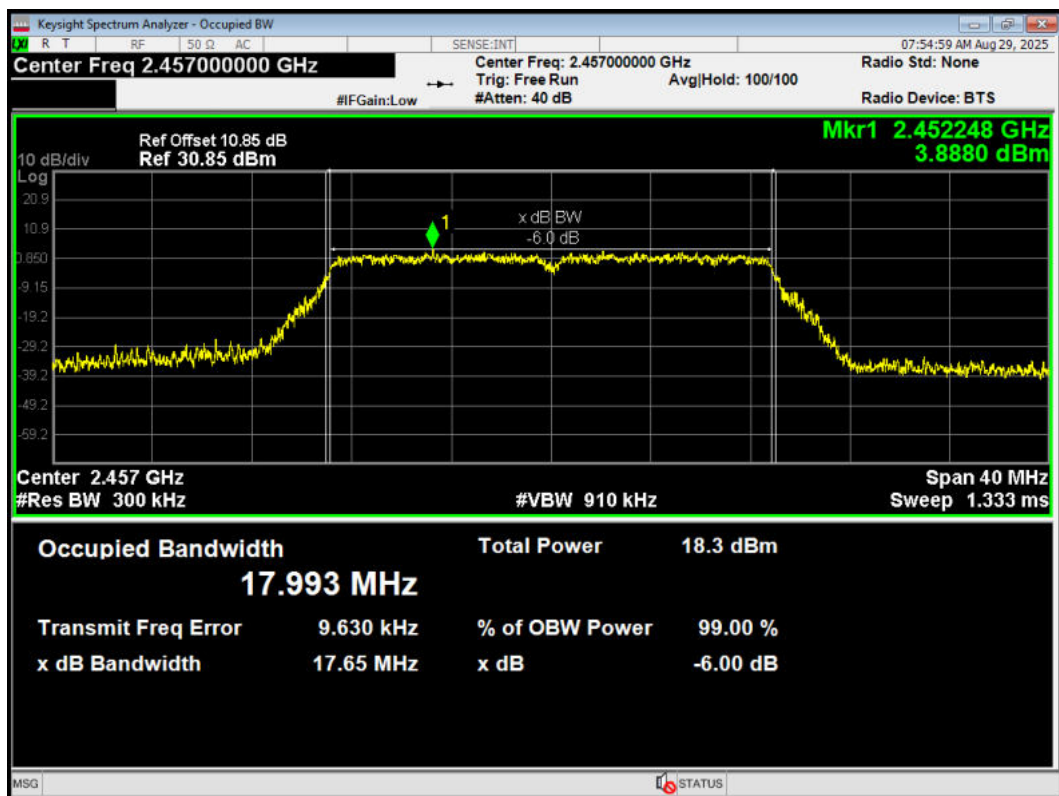
-6dB Bandwidth 802.11n(HT20) 2417MHz



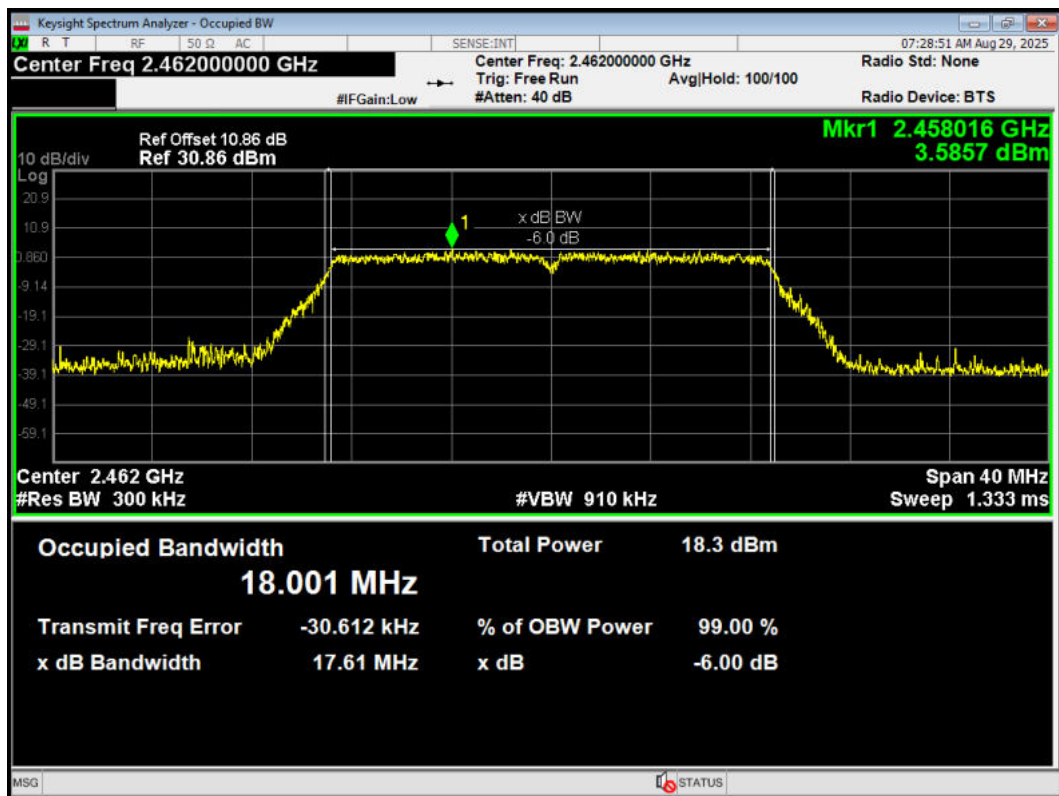
-6dB Bandwidth 802.11n(HT20) 2437MHz



-6dB Bandwidth 802.11n(HT20) 2457MHz



-6dB Bandwidth 802.11n(HT20) 2462MHz



5.2. Unwanted Emission

Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

Method of Measurement

The test set-up was made in accordance to the general provisions of ANSI C63.10.

The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 10 m below 1GHz; 3 m for above 1GHz between the EUT and the receiving antenna.

The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing. Sweep the Restricted Band and the emissions less than 20 dB below the permissible value are reported.

The radiated emissions measurements were made in a typical installation configuration.

Sweep the whole frequency band through the range from 9 kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

This method refer to ANSI C63.10.

The procedure for peak unwanted emissions measurements above 1000 MHz is as follows:

Set the spectrum analyzer in the following:

9kHz~150 kHz

RBW=200Hz, VBW=1kHz/ Sweep=AUTO

150 kHz~30MHz

RBW=9kHz, VBW=30kHz,/ Sweep=AUTO

Below 1GHz

RBW=100kHz / VBW=300kHz / Sweep=AUTO

a) Peak emission levels are measured by setting the instrument as follows:

Above 1GHz

PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO

b) Average emission levels are measured by setting the instrument as follows:

Above 1GHz

AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO

c) Detector: The measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.)

e) Sweep time = auto.

f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of $1 / D$, where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)

g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:

1) If power averaging (rms) mode was used in the preceding step e), then the correction factor is $[10 \log (1 / D)]$, where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.

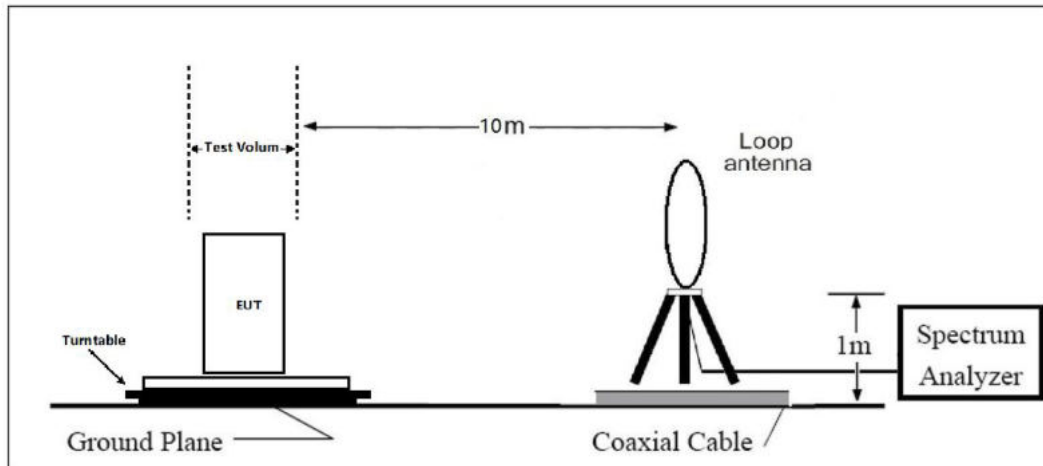
2) If linear voltage averaging mode was used in the preceding step e), then the correction factor is $[20 \log (1 / D)]$, where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB shall be added to the measured emission levels.

3) If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

The test is in transmitting mode.

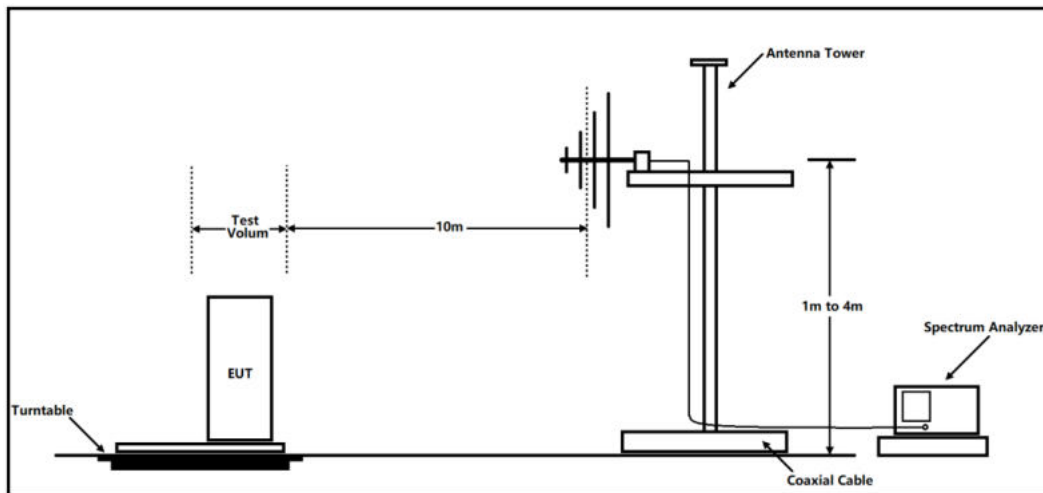
Test Setup

9kHz~ 30MHz



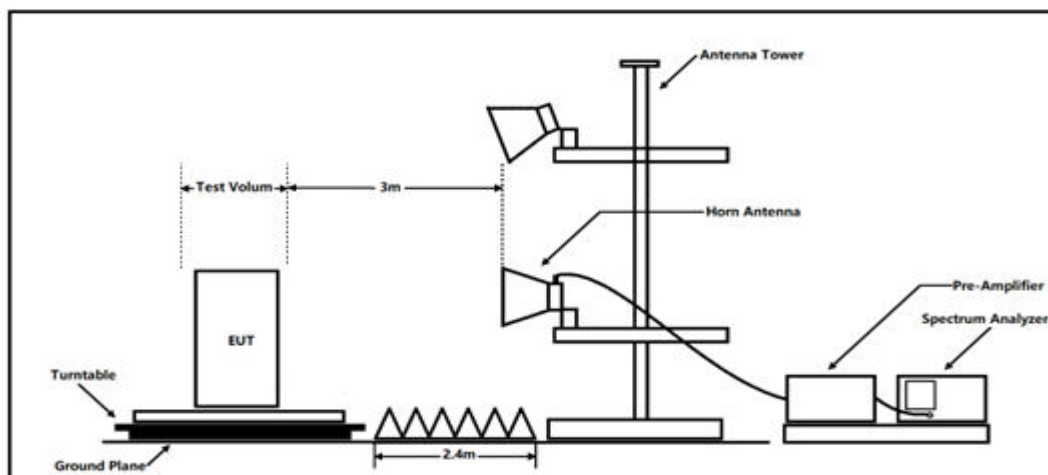
Note: Area side: 21m x 12m

30MHz~ 1GHz



Note: Area side: 21m x 12m

Above 1GHz



Note: Area side: 2.4mX3.6m

Limits

Rule Part 15.247(d) specifies that “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) (see § 15.205(c)).”

Limit in restricted band

Frequency of emission (MHz)	Field strength(μ V/m)	Field strength (dB μ V/m) @ 3 m	Field strength (dB μ V/m) @ 10 m
0.009–0.490	2400/F(kHz)	/	/
0.490–1.705	24000/F(kHz)	/	/
1.705–30.0	30	/	/
30-88	100	40	30
88-216	150	43.5	33.5
216-960	200	46	36
960 -1000	500	54	44
Above 1000	500	54	-

§15.35(b)

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

Peak Limit=74 dB μ V/m

Average Limit=54 dB μ V/m

Spurious Radiated Emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

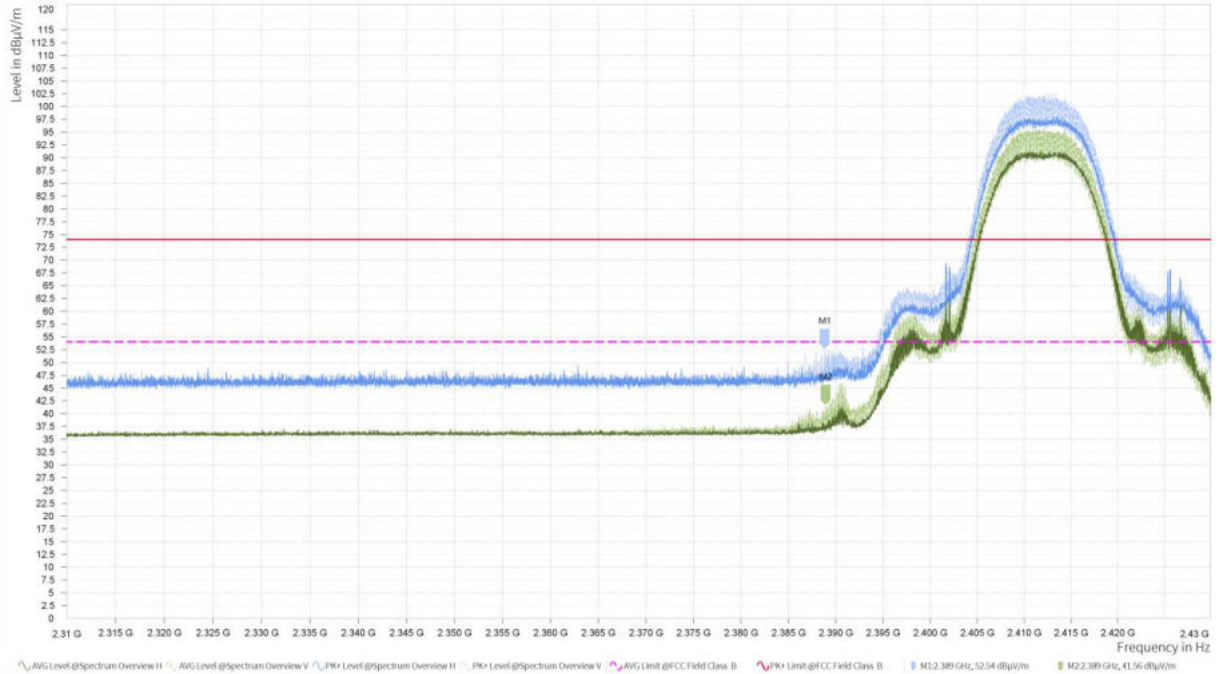
Frequency	Uncertainty
9kHz-30MHz	3.55 dB
30MHz-200MHz	3.39 dB
200MHz-1GHz	3.82 dB
1GHz -18GHz	6.51 dB
18GHz -40GHz	6.31 dB

Test Results:

The following graphs display the maximum values of horizontal and vertical by software.

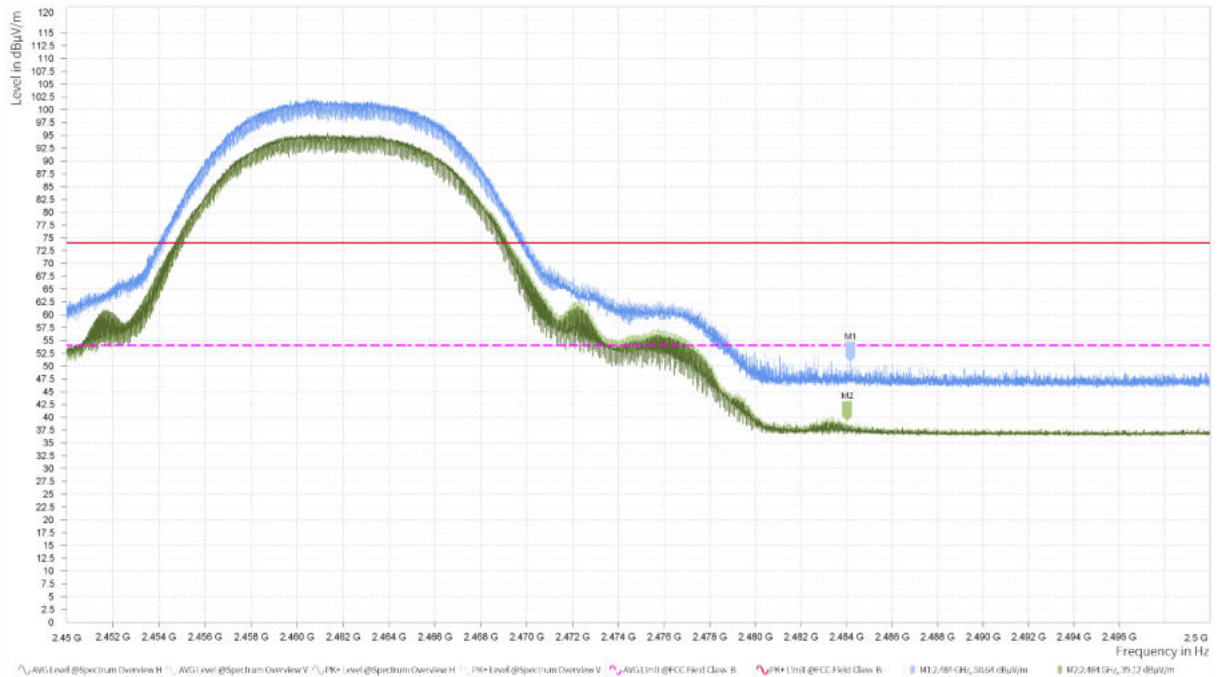
The signal beyond the limit is carrier.

Spectrum Overview H/V



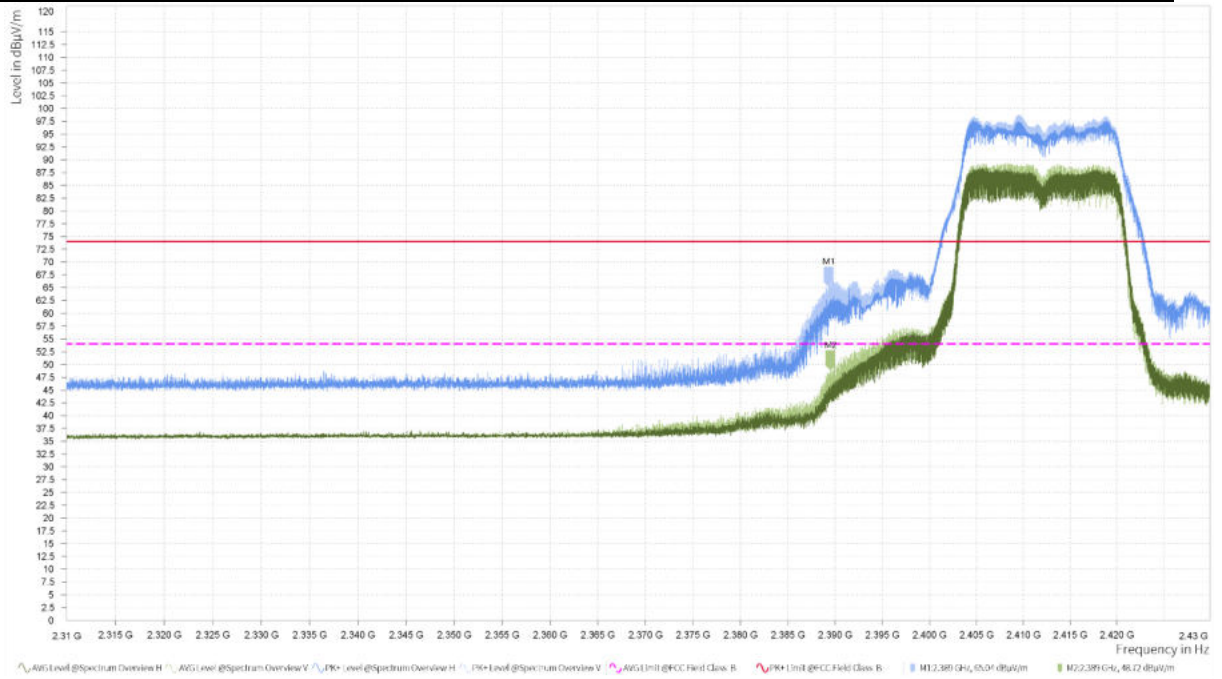
802.11b-Channel 1 Peak+ Average

Spectrum Overview H/V



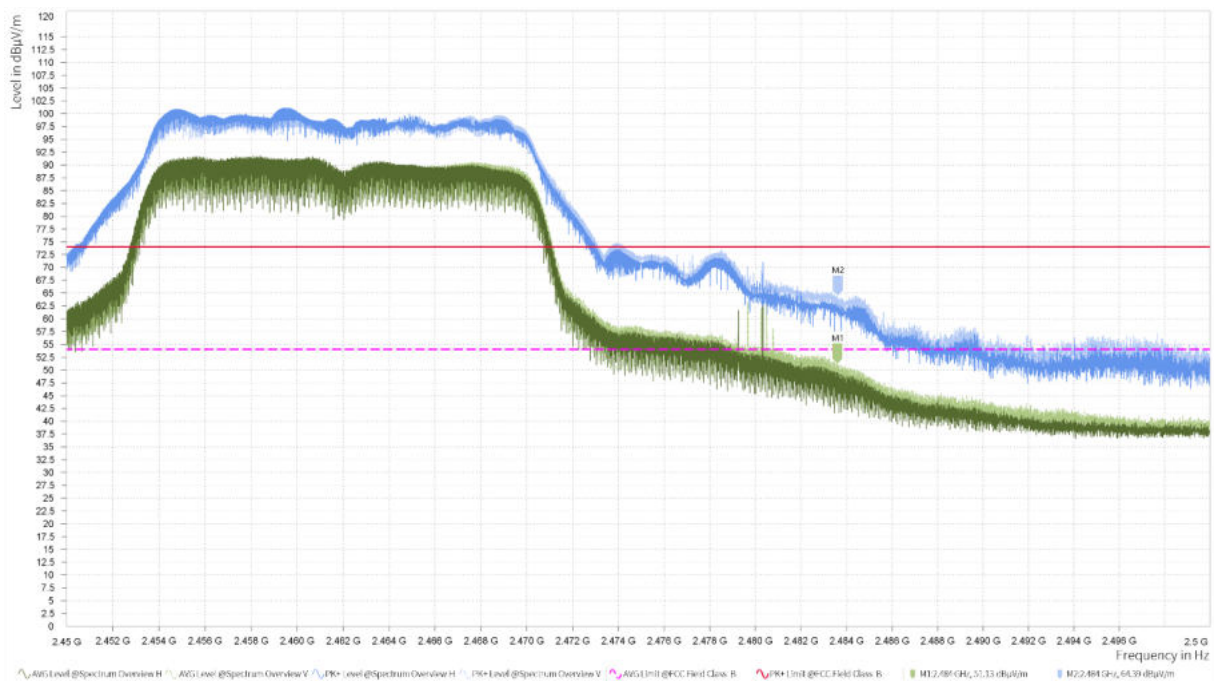
802.11b-Channel 11 Peak+ Average

Spectrum Overview H/V



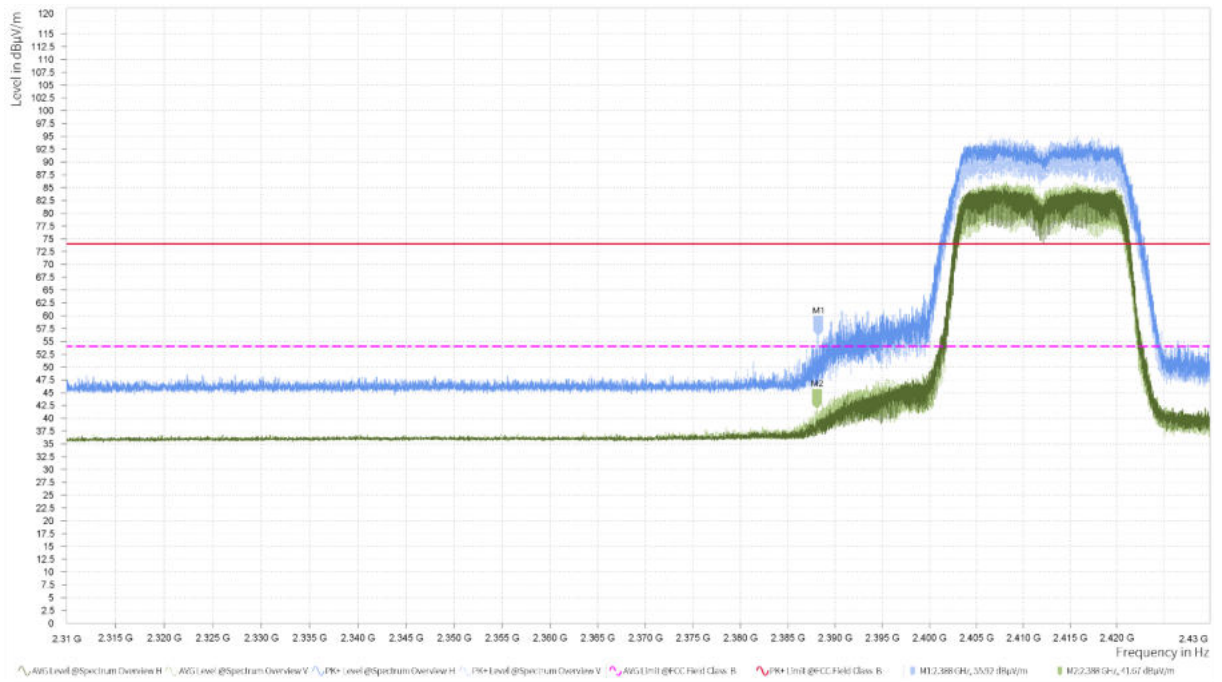
802.11g-Channel 1 Peak+ Average

Spectrum Overview H/V

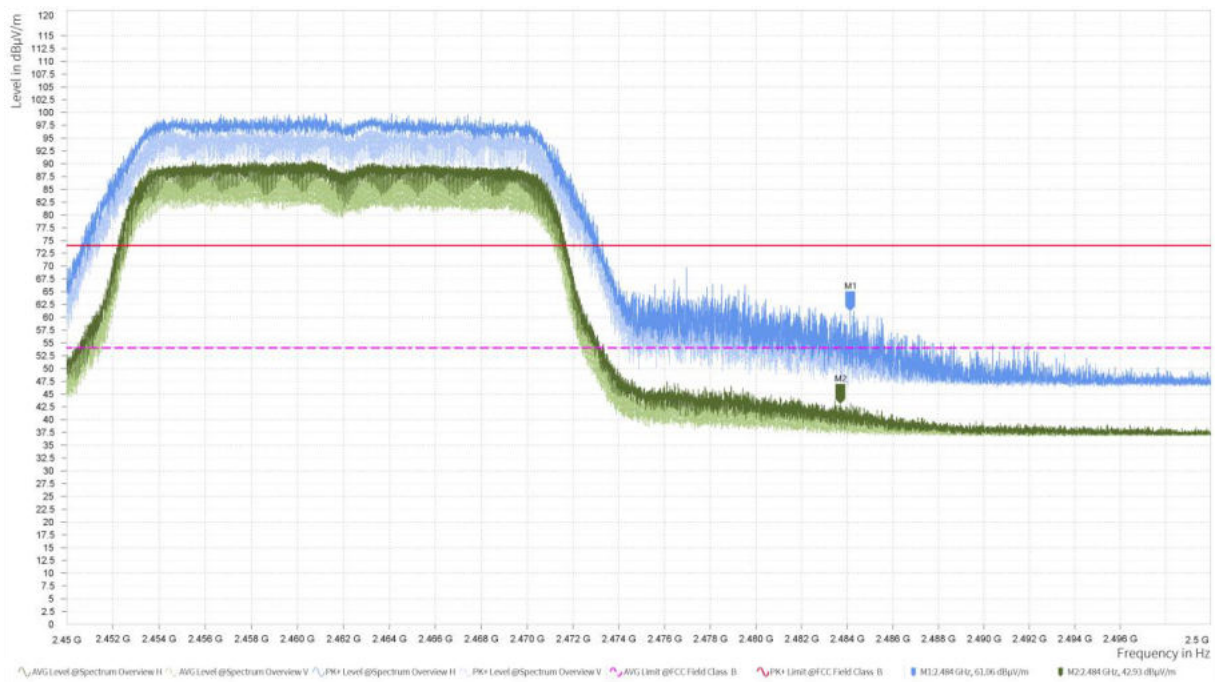


802.11g-Channel 11 Peak+ Average

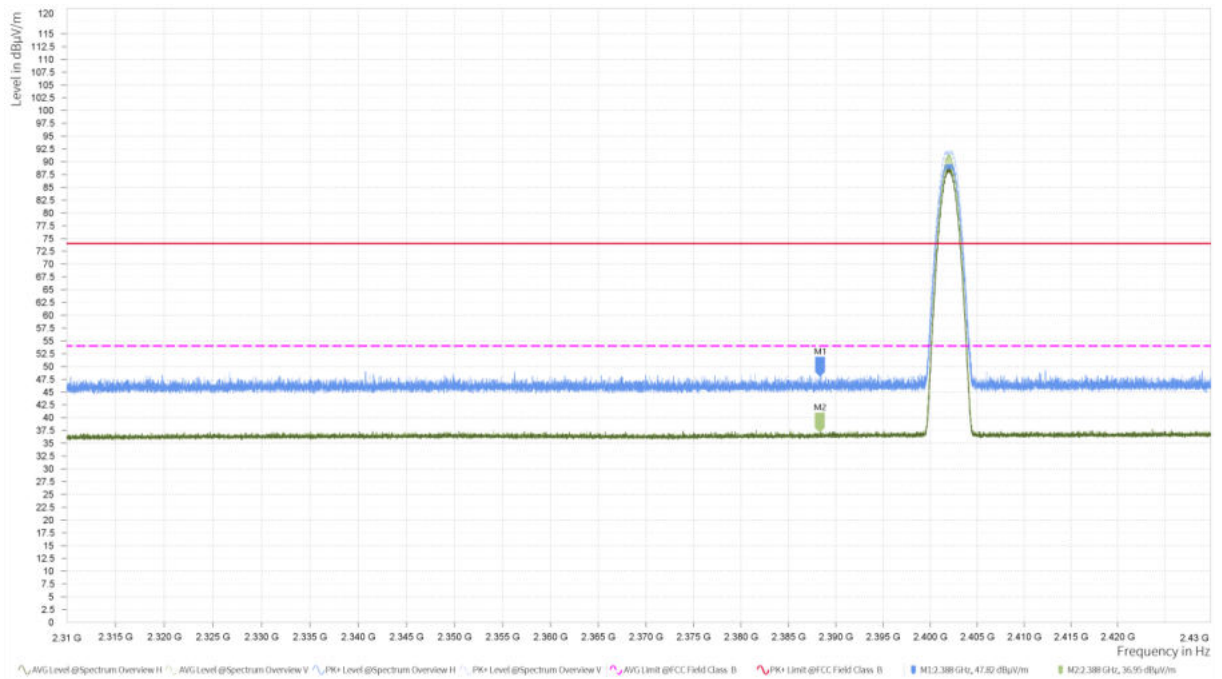
Spectrum Overview H/V



Spectrum Overview H/V

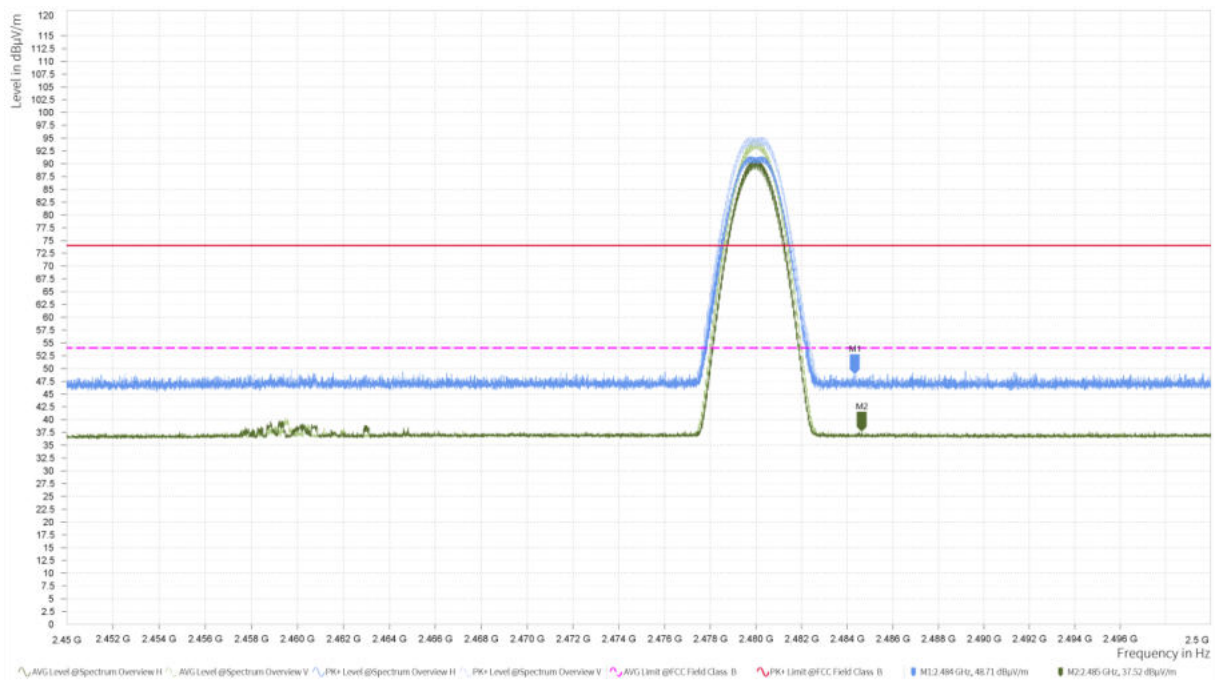


Spectrum Overview H/V



Bluetooth LE Channel 0 Peak+ Average

Spectrum Overview H/V



Bluetooth LE Channel 39 Peak+ Average

Result of RE

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier. The Radiates Emission from 9kHz to 30MHz and 18GHz to 26.5GHz are more than 20dB below the limit are not reported.

Remark:

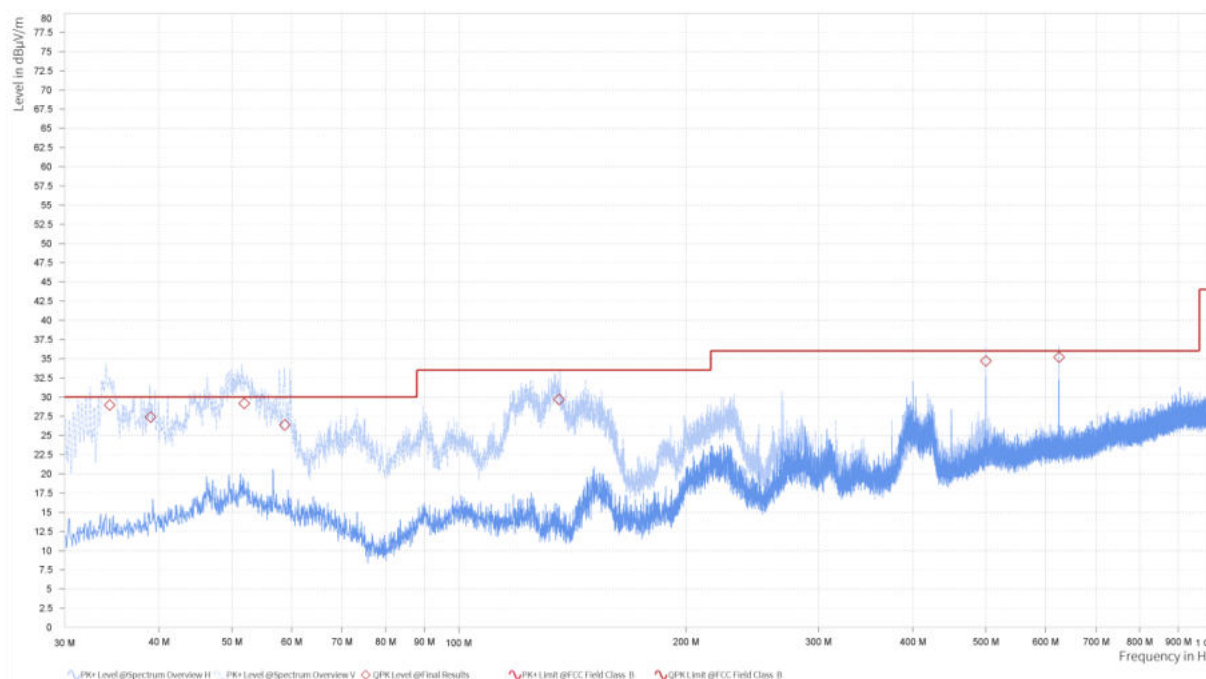
1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit – Quasi-Peak/ MAX Peak/ Average**
3. **The following graphs display the maximum values of horizontal and vertical by software.**

Continuous TX mode:

Wi-Fi 2.4GHz

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, the test data of the worst-case condition (802.11b CH11) was recorded in this report.

802.11b CH11

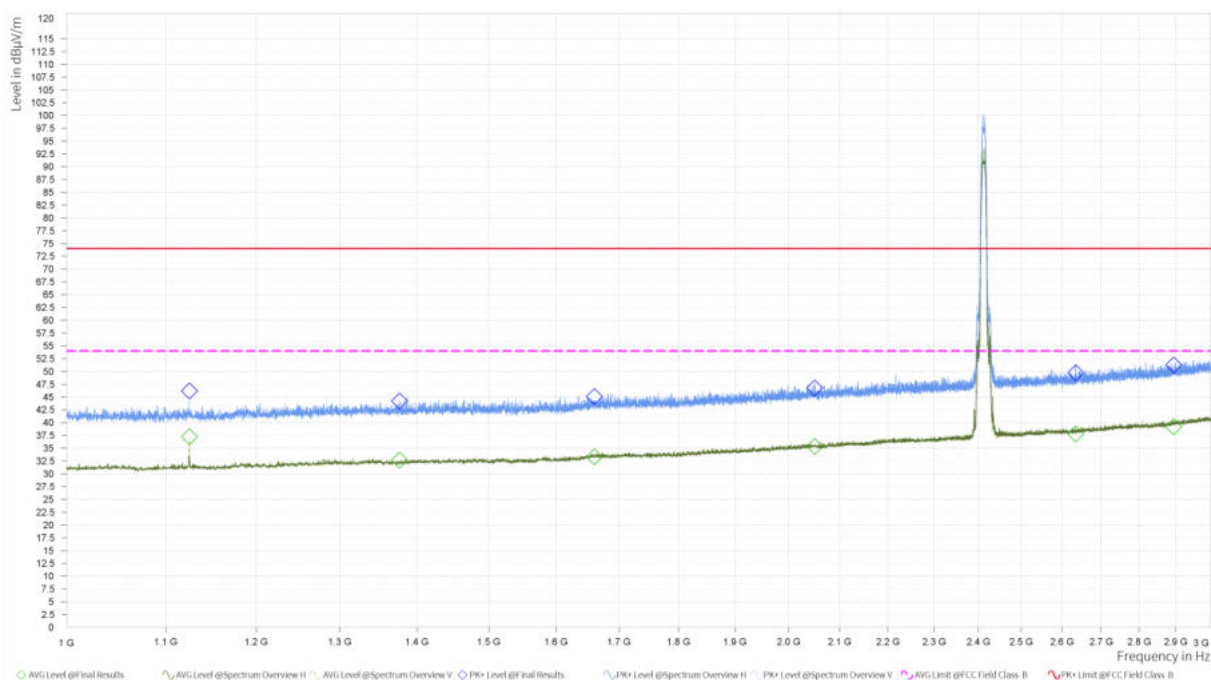


Radiates Emission from 30MHz to 1GHz

Frequency [MHz]	QPK Level [dBμV/m]	QPK Limit [dBμV/m]	QPK Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
34.438	28.95	30.00	1.05	-11.24	V	183.3	2.14
39.018	27.38	30.00	2.62	-9.88	V	156	1.77
51.928	29.15	30.00	0.85	-8.56	V	53.1	1.95
58.801	26.38	30.00	3.62	-9.38	V	353.7	1.02
135.831	29.67	33.50	3.83	-13.00	V	91.5	1.25
500.007	34.67	36.00	1.33	-2.87	V	146.7	1.14
625.011	35.16	36.00	0.84	-0.73	V	20.8	1.02

802.11b CH1

Spectrum Overview H/V

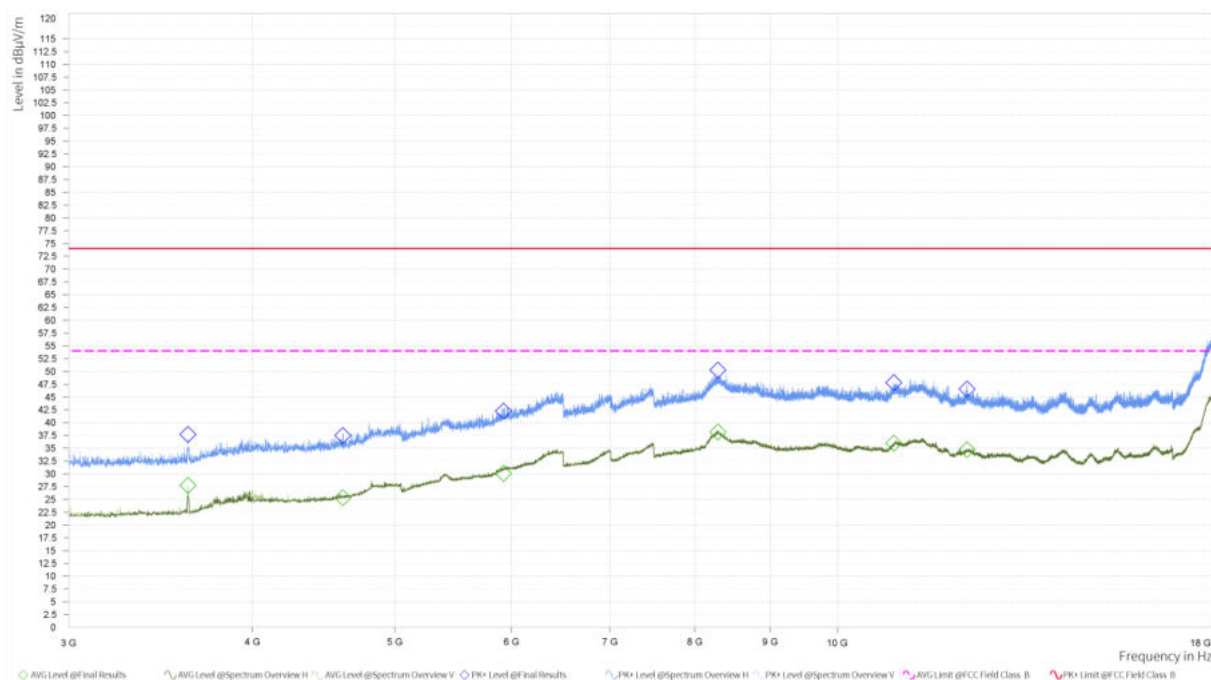


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1,125.000	46.19	74.00	27.81	37.23	54.00	16.77	6.31	V	65.2	2.00
1,376.500	44.21	74.00	29.79	32.68	54.00	21.32	6.76	H	111.3	2.00
1,659.750	45.07	74.00	28.93	33.28	54.00	20.72	7.26	H	342.4	2.00
2,051.000	46.75	74.00	27.25	35.33	54.00	18.67	9.27	H	294	2.00
2,634.750	49.73	74.00	24.27	37.80	54.00	16.20	11.47	H	307.7	2.00
2,895.000	51.26	74.00	22.74	39.20	54.00	14.80	12.81	V	178	2.00

Spectrum Overview H/V

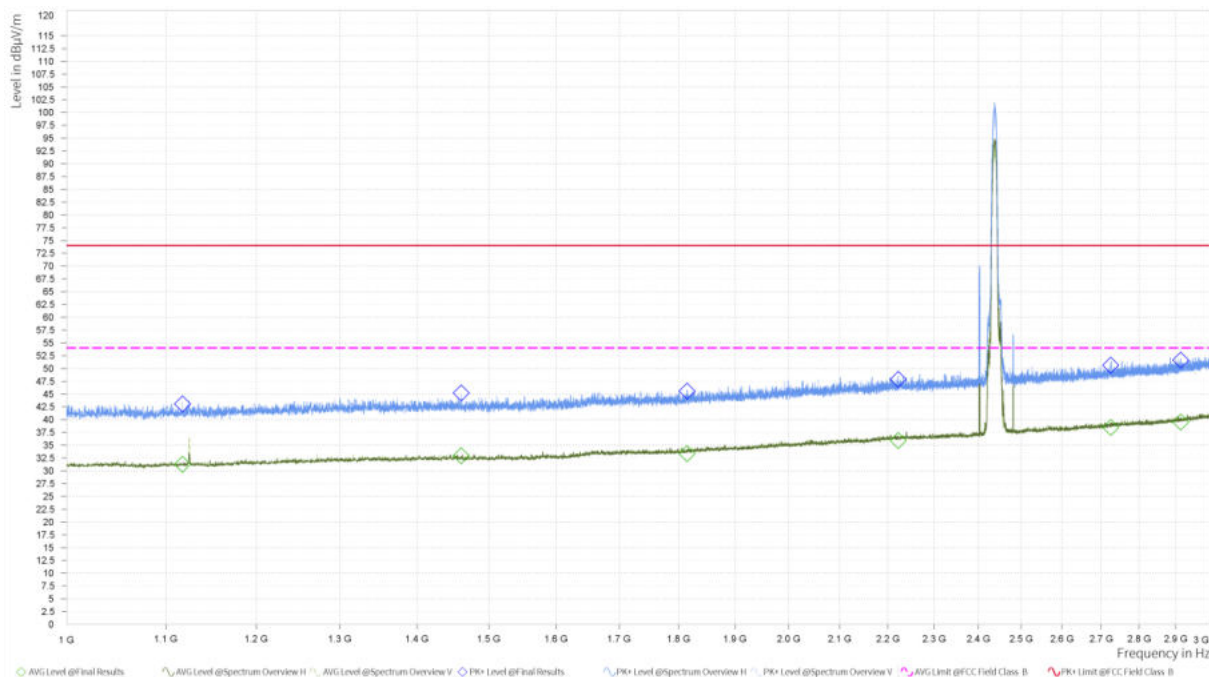


Radiates Emission from 3GHz to 18GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,616.875	37.67	74.00	36.33	27.70	54.00	26.30	-6.18	V	312.2	1.00	1.000
4,608.750	37.44	74.00	36.56	25.30	54.00	28.70	-3.18	H	196.7	1.00	1.000
5,926.875	42.22	74.00	31.78	30.07	54.00	23.93	0.87	V	271.3	2.00	1.000
8,291.250	50.23	74.00	23.77	38.15	54.00	15.85	8.84	V	71.6	2.00	1.000
10,923.750	47.77	74.00	26.23	35.95	54.00	18.05	6.32	V	330.5	2.00	1.000
12,249.375	46.56	74.00	27.44	34.70	54.00	19.30	5.92	H	33.6	1.00	1.000

802.11b CH6

Spectrum Overview H/V

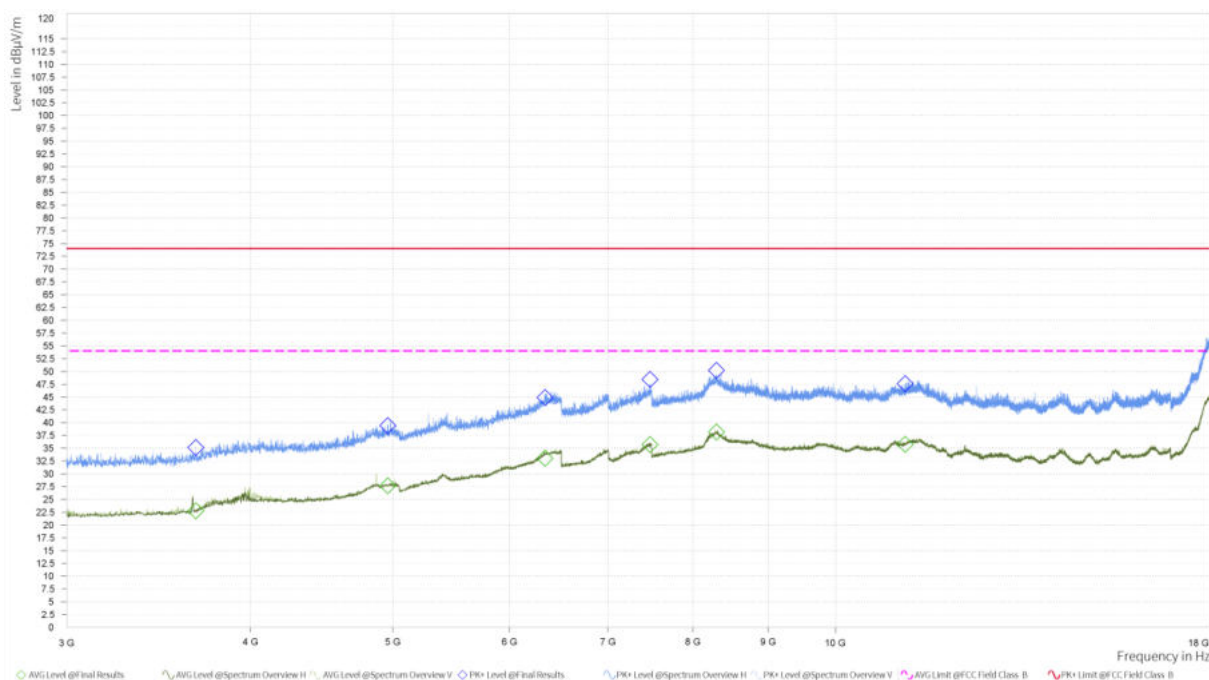


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,117.750	43.03	74.00	30.97	31.24	54.00	22.76	6.16	V	247.8	2.00	1.000
1,460.750	45.19	74.00	28.81	32.92	54.00	21.08	6.87	V	80.2	2.00	1.000
1,814.500	45.56	74.00	28.44	33.36	54.00	20.64	7.46	H	127	2.00	1.000
2,222.250	47.86	74.00	26.14	35.88	54.00	18.12	9.93	H	274.4	2.00	1.000
2,725.250	50.61	74.00	23.39	38.44	54.00	15.56	11.90	H	239.4	2.00	1.000

Spectrum Overview H/V

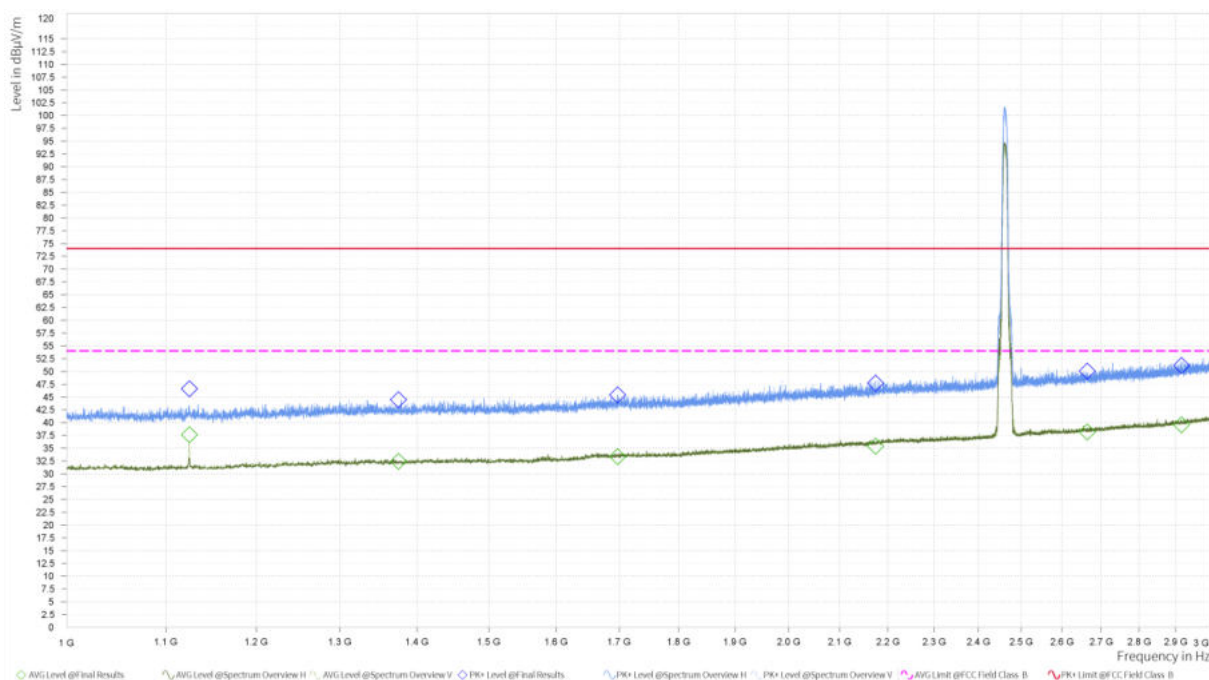


Radiates Emission from 3GHz to 18GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,673.125	35.13	74.00	38.87	22.74	54.00	31.26	-6.18	V	308	2.00	1.000
4,961.250	39.40	74.00	34.60	27.65	54.00	26.35	-1.45	H	283.5	2.00	1.000
6,346.875	44.88	74.00	29.12	33.01	54.00	20.99	3.24	H	345.3	1.00	1.000
7,477.500	48.41	74.00	25.59	35.68	54.00	18.32	3.76	H	285.4	1.00	1.000
8,298.750	50.18	74.00	23.82	38.12	54.00	15.88	8.81	V	208.4	1.00	1.000
11,154.375	47.56	74.00	26.44	35.73	54.00	18.27	7.00	H	39.2	1.00	1.000

802.11b CH11

Spectrum Overview H/V

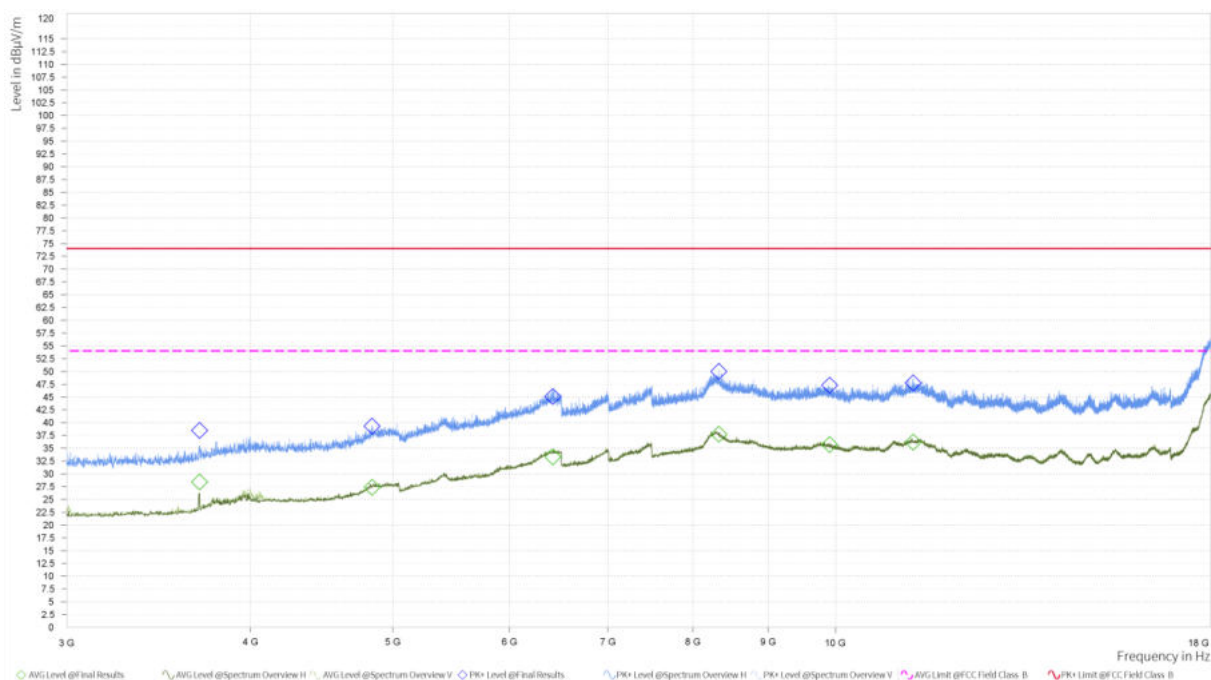


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,125.000	46.60	74.00	27.40	37.62	54.00	16.38	6.31	V	62.5	2.00	1.000
1,375.250	44.45	74.00	29.55	32.38	54.00	21.62	6.75	V	2.2	2.00	1.000
1,697.500	45.40	74.00	28.60	33.33	54.00	20.67	7.12	H	112.3	2.00	1.000
2,174.250	47.66	74.00	26.34	35.36	54.00	18.64	9.69	H	140.8	2.00	1.000
2,664.250	50.04	74.00	23.96	38.16	54.00	15.84	11.59	H	310.3	2.00	1.000
2,916.500	51.15	74.00	22.85	39.57	54.00	14.43	12.85	H	345.8	2.00	1.000

Spectrum Overview H/V

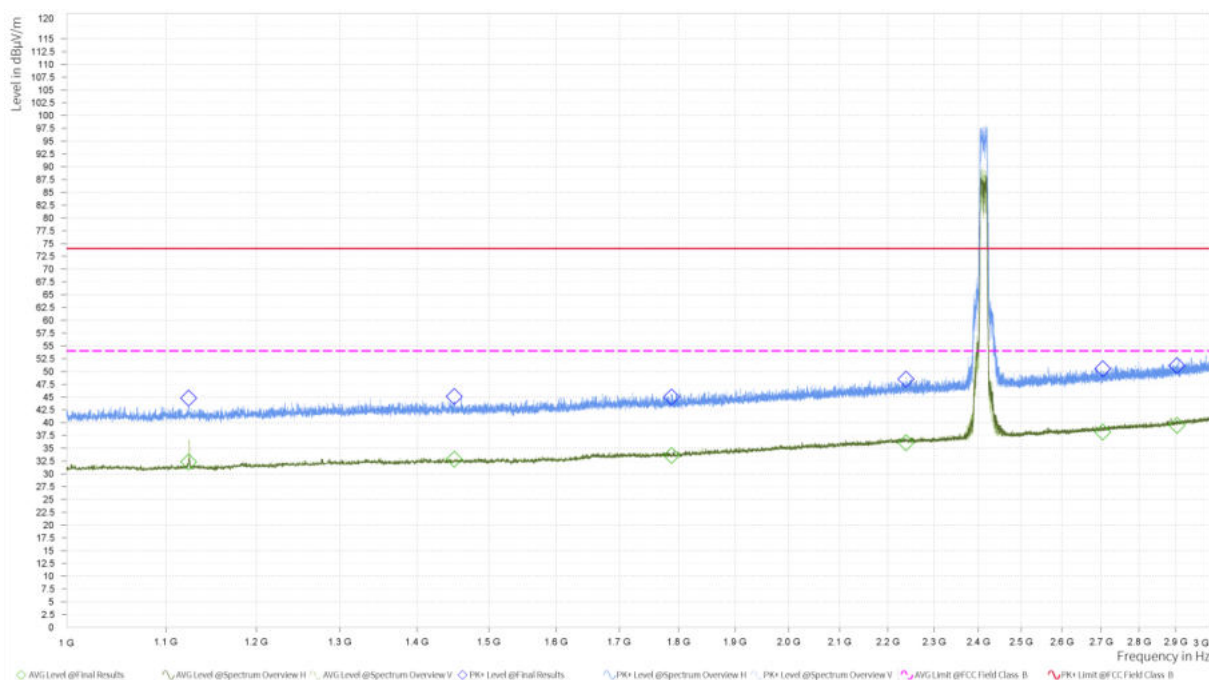


Radiates Emission from 3GHz to 18GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,693.750	38.46	74.00	35.54	28.38	54.00	25.62	-5.94	H	330.5	1.00	1.000
4,839.375	39.27	74.00	34.73	27.34	54.00	26.66	-1.60	H	279	1.00	1.000
6,421.875	45.05	74.00	28.95	33.30	54.00	20.70	3.40	H	329.5	2.00	1.000
8,330.625	50.01	74.00	23.99	37.74	54.00	16.26	8.27	V	194.9	2.00	1.000
9,909.375	47.28	74.00	26.72	35.70	54.00	18.30	5.47	H	100.1	1.00	1.000
11,295.000	47.71	74.00	26.29	36.13	54.00	17.87	7.37	H	322.1	2.00	1.000

802.11g CH1

Spectrum Overview H/V

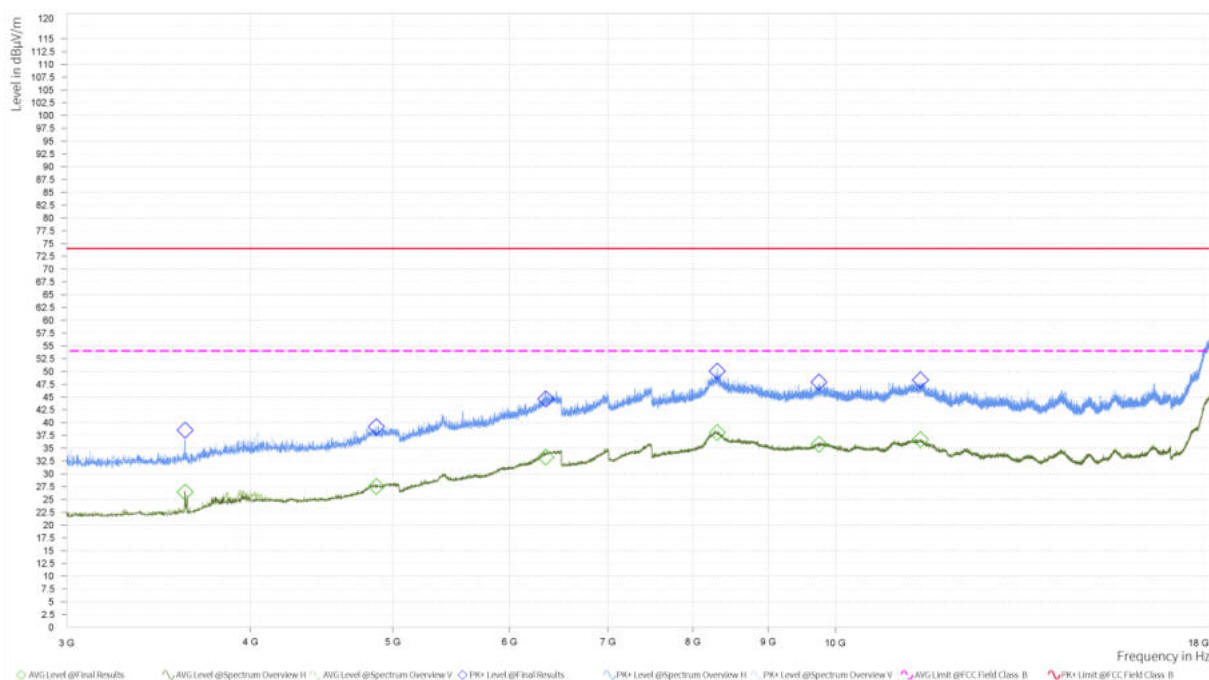


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,124.250	44.78	74.00	29.22	32.29	54.00	21.71	6.29	H	115.2	2.00	1.000
1,450.750	45.09	74.00	28.91	32.84	54.00	21.16	6.92	H	79.4	2.00	1.000
1,787.750	44.95	74.00	29.05	33.53	54.00	20.47	7.24	H	171.9	2.00	1.000
2,238.750	48.46	74.00	25.54	36.03	54.00	17.97	9.99	V	15	2.00	1.000
2,704.500	50.49	74.00	23.51	38.14	54.00	15.86	11.76	H	264.9	2.00	1.000
2,904.000	51.16	74.00	22.84	39.42	54.00	14.58	12.83	H	329.8	2.00	1.000

Spectrum Overview H/V

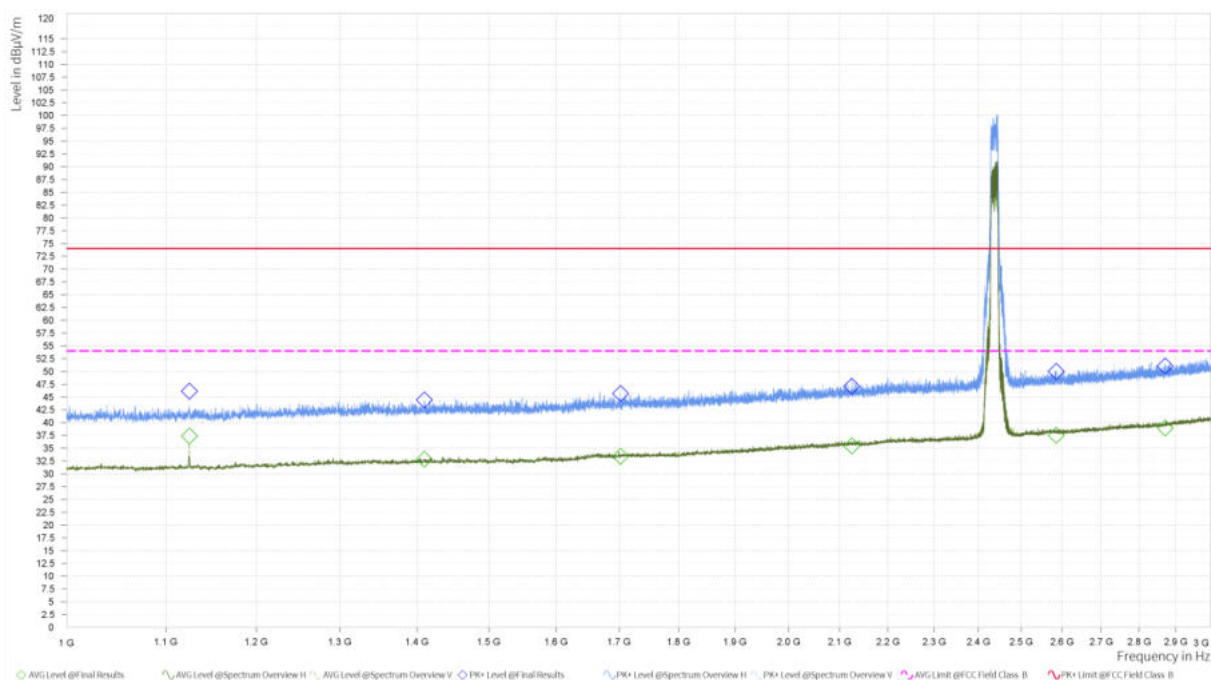


Radiates Emission from 3GHz to 18GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,611.250	38.49	74.00	35.51	26.40	54.00	27.60	-6.18	H	337.6	1.00	1.000
4,871.250	39.20	74.00	34.80	27.49	54.00	26.51	-1.60	H	202.5	1.00	1.000
6,352.500	44.60	74.00	29.40	33.21	54.00	20.79	3.26	H	352.2	2.00	1.000
8,310.000	50.02	74.00	23.98	38.02	54.00	15.98	8.62	H	358.6	1.00	1.000
9,746.250	47.88	74.00	26.12	35.72	54.00	18.28	5.64	V	179	2.00	1.000
11,420.625	48.29	74.00	25.71	36.68	54.00	17.32	7.35	V	329.9	2.00	1.000

802.11g CH6

Spectrum Overview H/V

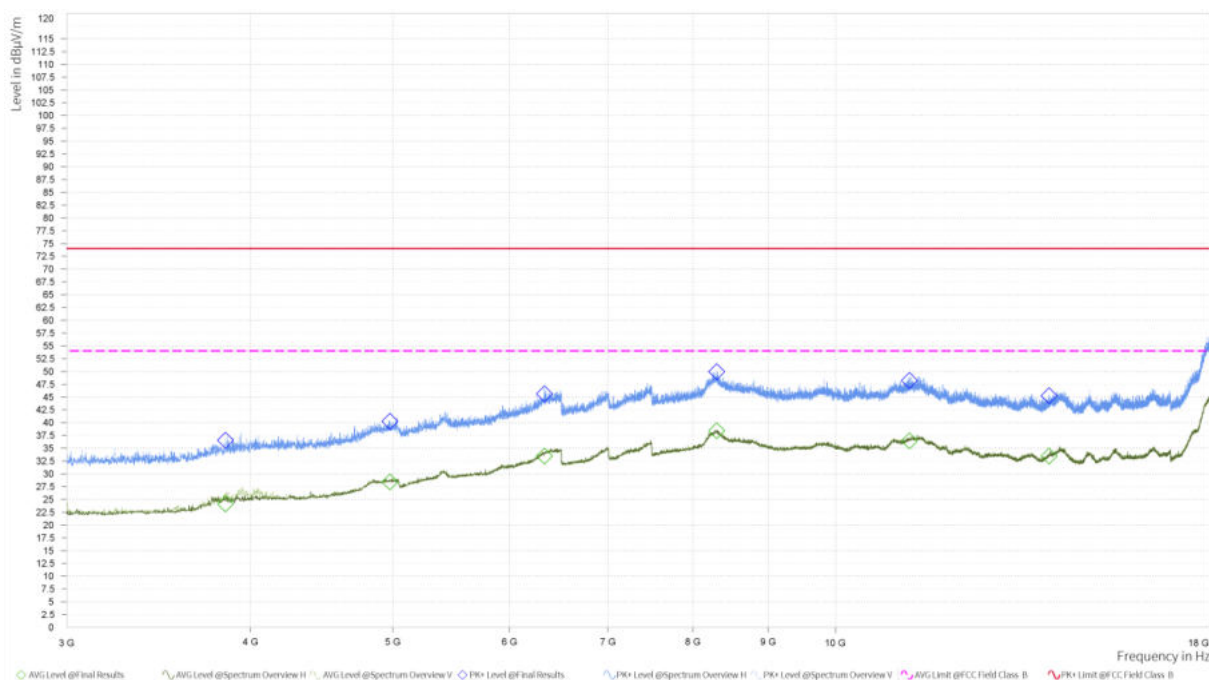


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,125.000	46.14	74.00	27.86	37.38	54.00	16.62	6.31	V	60.3	2.00	1.000
1,410.000	44.42	74.00	29.58	32.84	54.00	21.16	6.88	H	360	2.00	1.000
1,702.250	45.65	74.00	28.35	33.37	54.00	20.63	7.14	V	4.3	2.00	1.000
2,125.250	47.08	74.00	26.92	35.42	54.00	18.58	9.44	V	0	2.00	1.000
2,586.000	49.97	74.00	24.03	37.54	54.00	16.46	11.37	H	180.5	2.00	1.000
2,871.000	51.02	74.00	22.98	38.94	54.00	15.06	12.56	H	86.1	2.00	1.000

Spectrum Overview H/V

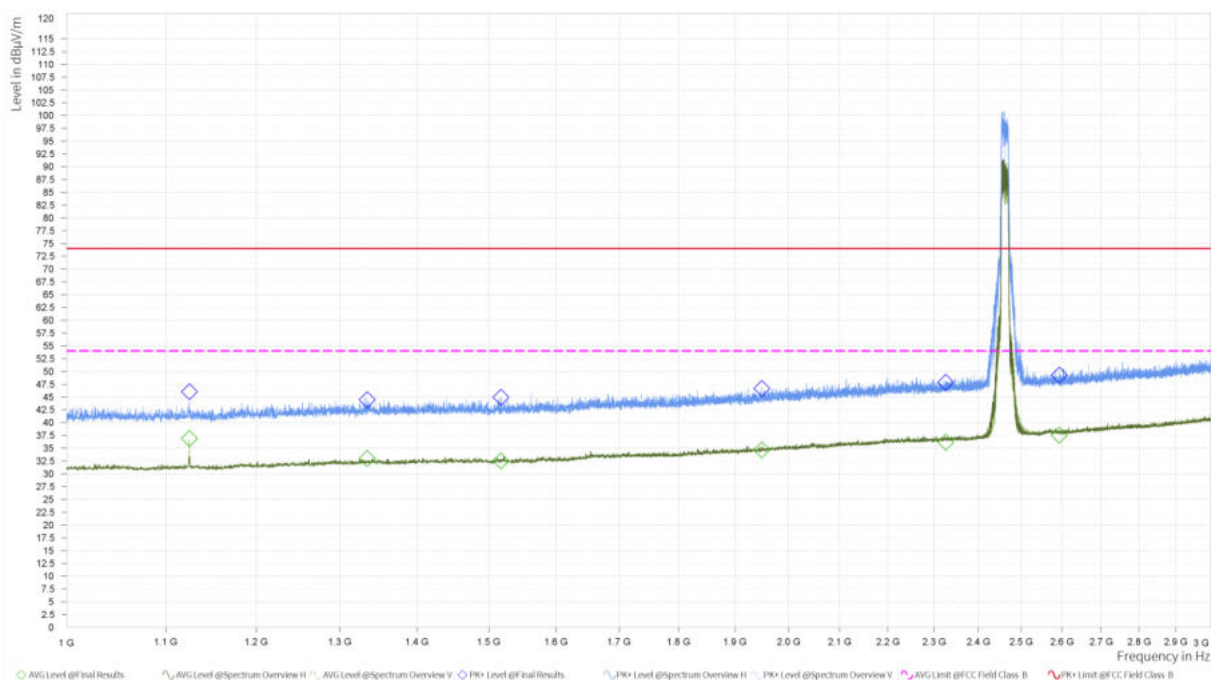


Radiates Emission from 3GHz to 18GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,847.500	36.51	74.00	37.49	24.12	54.00	29.88	-5.14	V	239.4	1.00	1.000
4,978.125	40.24	74.00	33.76	28.38	54.00	25.62	-0.53	H	0	1.00	1.000
6,341.250	45.59	74.00	28.41	33.43	54.00	20.57	3.51	H	305.5	2.00	1.000
8,302.500	49.91	74.00	24.09	38.42	54.00	15.58	8.97	V	150.1	2.00	1.000
11,225.625	48.22	74.00	25.78	36.43	54.00	17.57	7.72	H	265.3	2.00	1.000
13,970.625	45.26	74.00	28.74	33.42	54.00	20.58	6.05	H	32.1	1.00	1.000

802.11g CH11

Spectrum Overview H/V

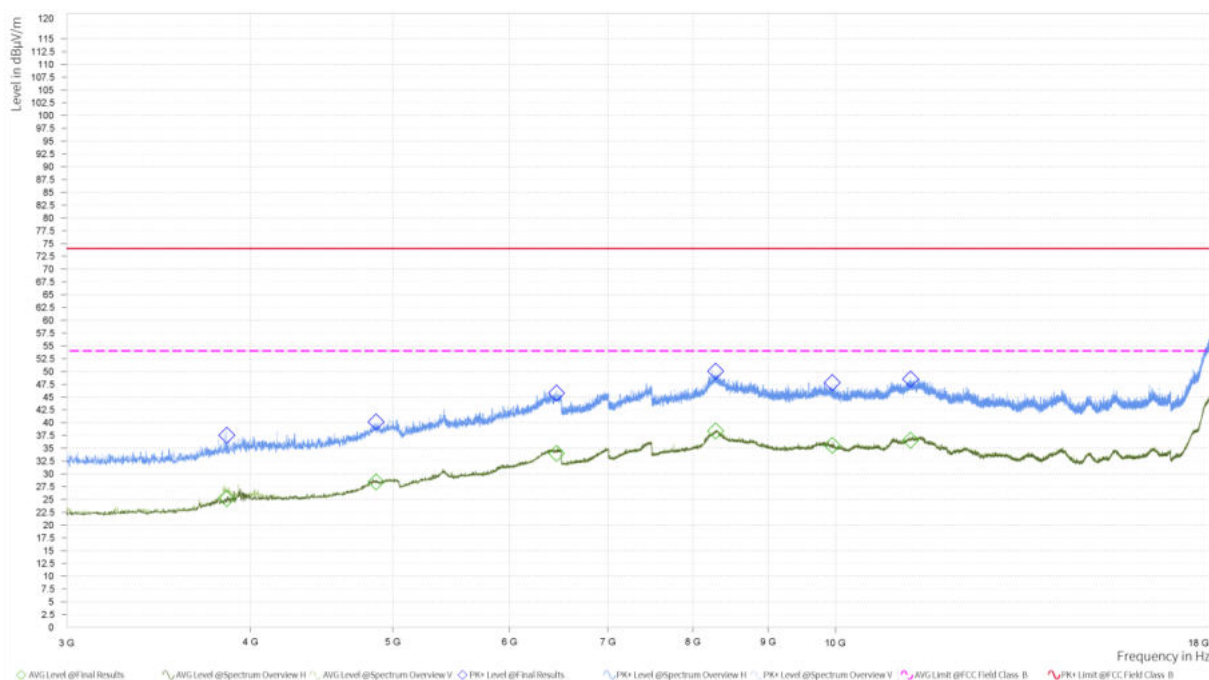


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1,125.000	46.00	74.00	28.00	36.91	54.00	17.09	6.31	V	57.6	2.00
1,334.750	44.47	74.00	29.53	32.97	54.00	21.03	6.84	V	137.9	2.00
1,517.500	44.94	74.00	29.06	32.53	54.00	21.47	7.02	H	105.9	2.00
1,949.250	46.66	74.00	27.34	34.65	54.00	19.35	8.52	V	22.2	2.00
2,325.750	47.86	74.00	26.14	36.15	54.00	17.85	10.31	H	283	2.00
2,593.500	49.26	74.00	24.74	37.51	54.00	16.49	11.33	V	130.8	2.00

Spectrum Overview H/V

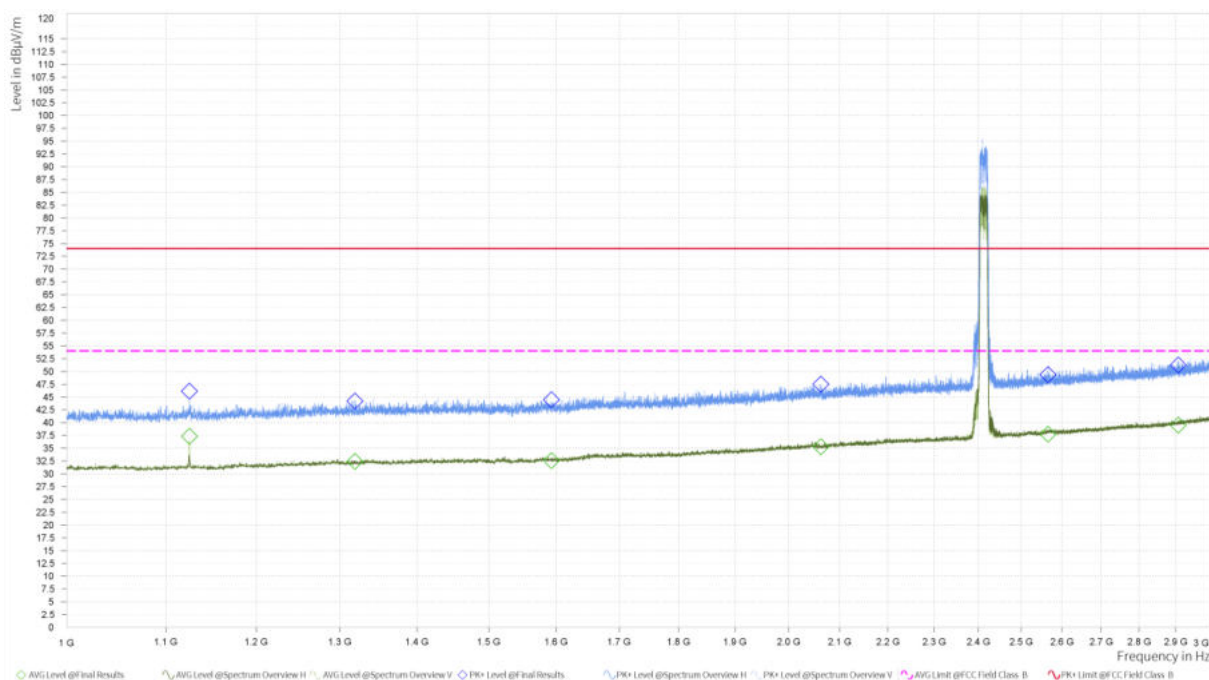


Radiates Emission from 3GHz to 18GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,855.000	37.51	74.00	36.49	25.12	54.00	28.88	-5.16	V	241.2	1.00	1.000
4,869.375	40.12	74.00	33.88	28.36	54.00	25.64	-0.77	H	75.5	1.00	1.000
6,459.375	45.77	74.00	28.23	33.99	54.00	20.01	3.53	V	314	1.00	1.000
8,289.375	50.02	74.00	23.98	38.34	54.00	15.66	9.05	V	13.8	2.00	1.000
9,948.750	47.78	74.00	26.22	35.53	54.00	18.47	5.57	V	198	2.00	1.000
11,246.250	48.47	74.00	25.53	36.52	54.00	17.48	7.77	V	0	2.00	1.000

802.11n (HT20) CH1

Spectrum Overview H/V

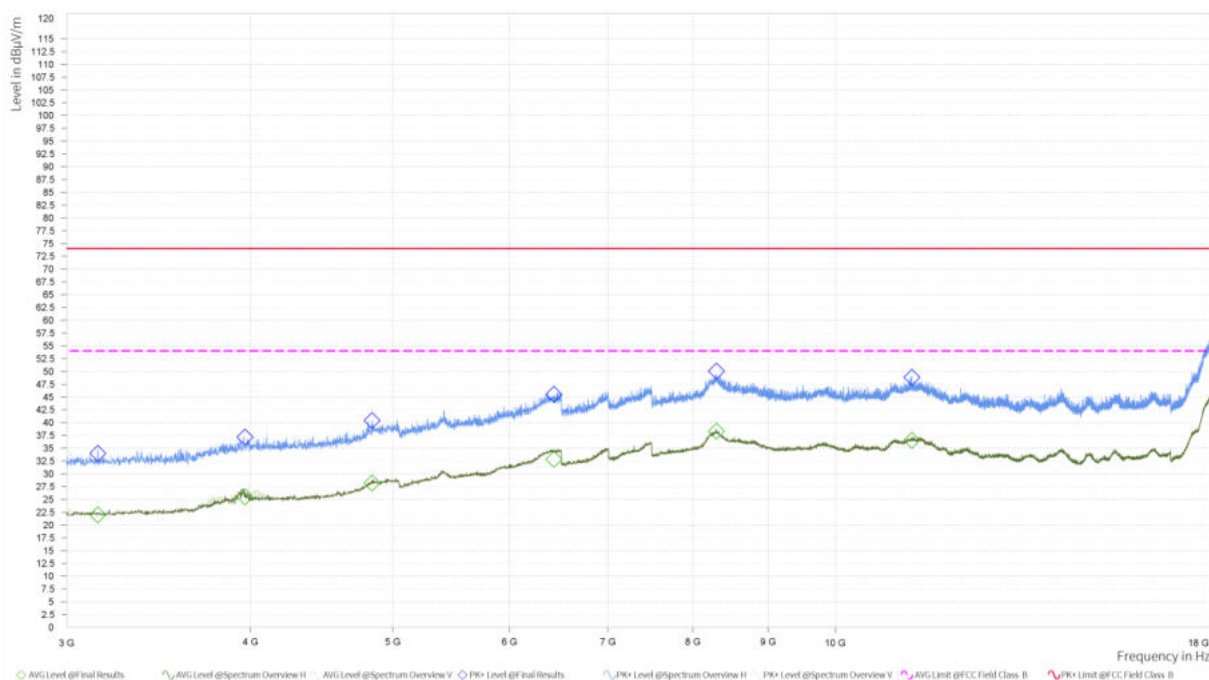


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,125.000	46.12	74.00	27.88	37.32	54.00	16.68	6.31	V	65.5	2.00	1.000
1,319.000	44.21	74.00	29.79	32.38	54.00	21.62	6.68	H	274.1	2.00	1.000
1,592.750	44.43	74.00	29.57	32.54	54.00	21.46	6.92	V	288.5	2.00	1.000
2,063.000	47.45	74.00	26.55	35.27	54.00	18.73	9.10	H	346.6	2.00	1.000
2,566.000	49.36	74.00	24.64	37.73	54.00	16.27	11.42	V	94.3	2.00	1.000
2,908.000	51.25	74.00	22.75	39.48	54.00	14.52	12.84	H	43.4	2.00	1.000

Spectrum Overview H/V

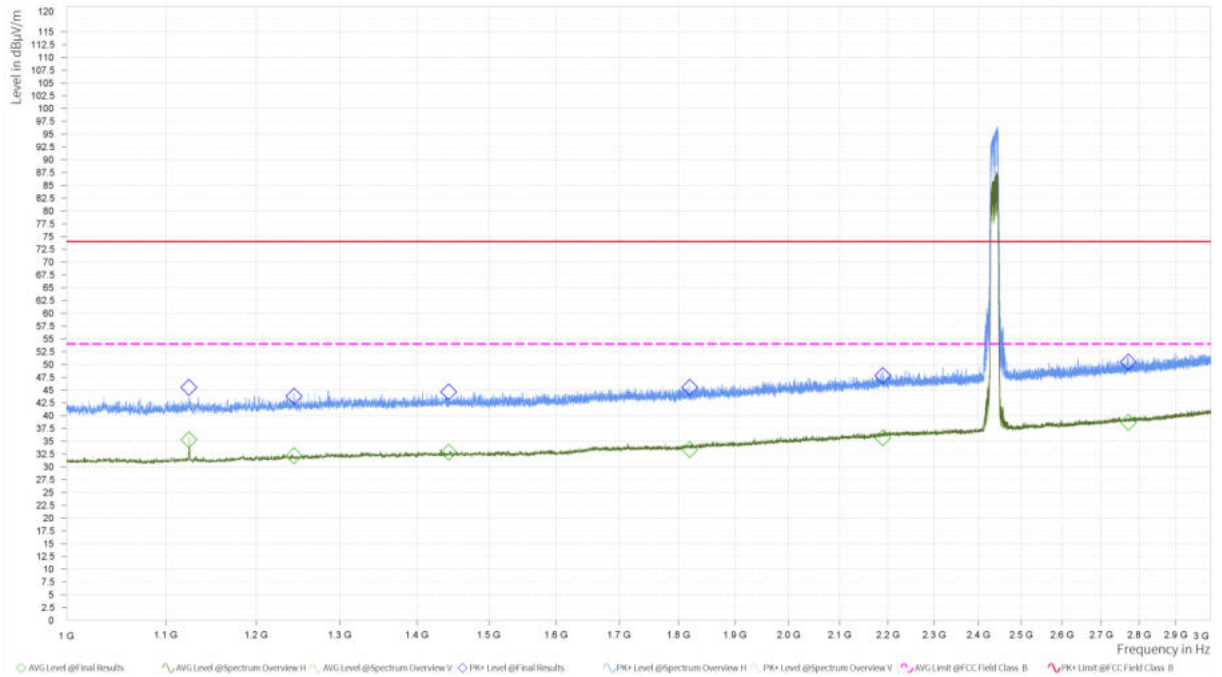


Radiates Emission from 3GHz to 18GHz

Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,150.000	33.94	74.00	40.06	21.96	54.00	32.04	-6.39	H	0.8	1.00	1.000
3,965.625	37.16	74.00	36.84	25.49	54.00	28.51	-4.90	V	326.9	2.00	1.000
4,839.375	40.39	74.00	33.61	28.15	54.00	25.85	-0.80	H	10.3	1.00	1.000
6,435.000	45.49	74.00	28.51	32.81	54.00	21.19	3.66	V	262.9	2.00	1.000
8,300.625	50.05	74.00	23.95	38.32	54.00	15.68	9.00	V	360	1.00	1.000
11,270.625	48.84	74.00	25.16	36.51	54.00	17.49	7.82	H	360	2.00	1.000

802.11n (HT20) CH6

Spectrum Overview H/V

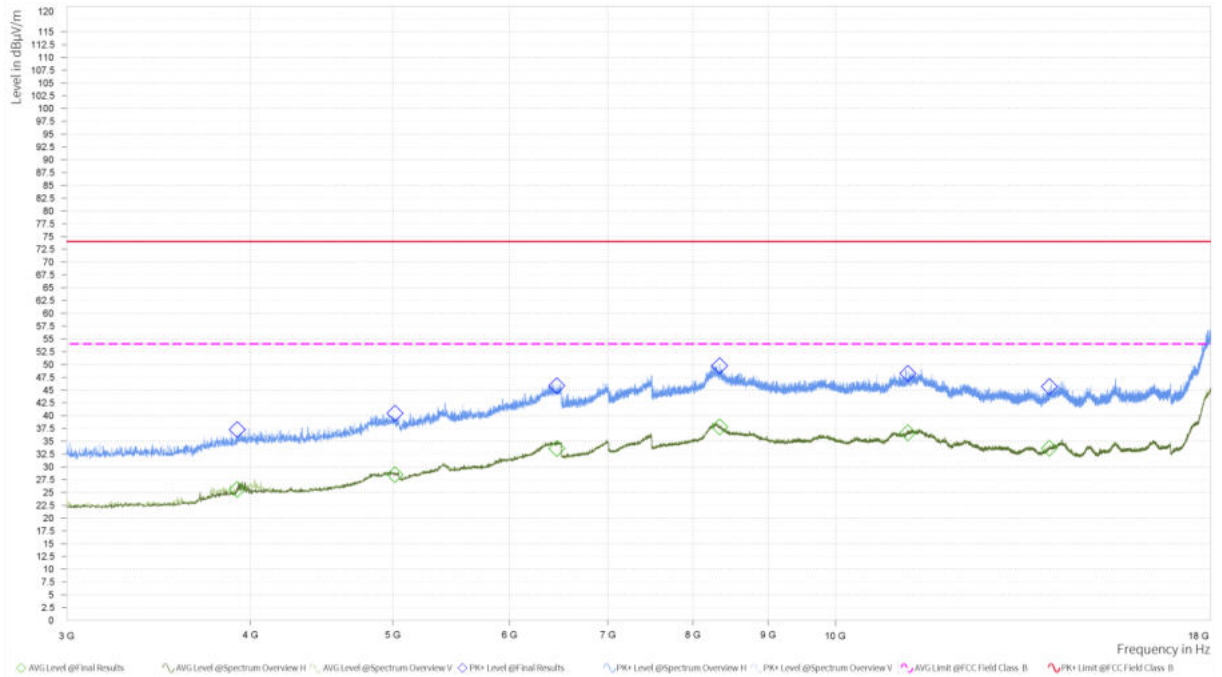


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,124.500	45.52	74.00	28.48	35.29	54.00	18.71	6.30	V	63.2	2.00	1.000
1,244.000	43.76	74.00	30.24	32.14	54.00	21.86	6.67	H	267.2	2.00	1.000
1,443.000	44.61	74.00	29.39	32.83	54.00	21.17	6.95	H	281.7	2.00	1.000
1,819.000	45.48	74.00	28.52	33.33	54.00	20.67	7.49	V	41.5	2.00	1.000
2,189.500	47.82	74.00	26.18	35.63	54.00	18.37	9.80	H	202.4	2.00	1.000
2,771.250	50.47	74.00	23.53	38.64	54.00	15.36	12.12	H	324.9	2.00	1.000

Spectrum Overview H/V

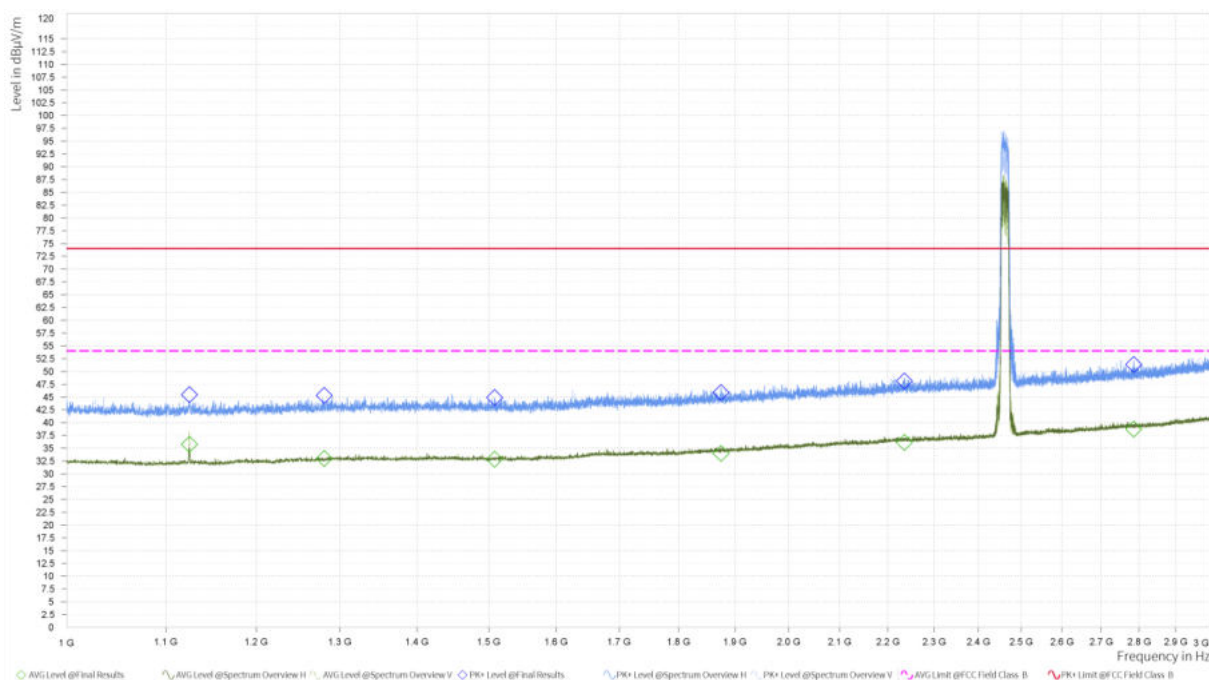


Radiates Emission from 3GHz to 18GHz

Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	AVG Level [dBµV/m]	AVG Limit [dBµV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,918.750	37.25	74.00	36.75	25.56	54.00	28.44	-4.98	H	284	2.00	1.000
5,017.500	40.46	74.00	33.54	28.44	54.00	25.56	-0.48	H	198.7	1.00	1.000
6,463.125	45.82	74.00	28.18	33.57	54.00	20.43	3.52	V	132.1	1.00	1.000
8,341.875	49.72	74.00	24.28	37.79	54.00	16.21	8.29	H	349.7	2.00	1.000
11,197.500	48.20	74.00	25.80	36.64	54.00	17.36	7.66	V	318.4	2.00	1.000
13,978.125	45.68	74.00	28.32	33.59	54.00	20.41	6.02	V	124.3	2.00	1.000

802.11n (HT20) CH11

Spectrum Overview H/V

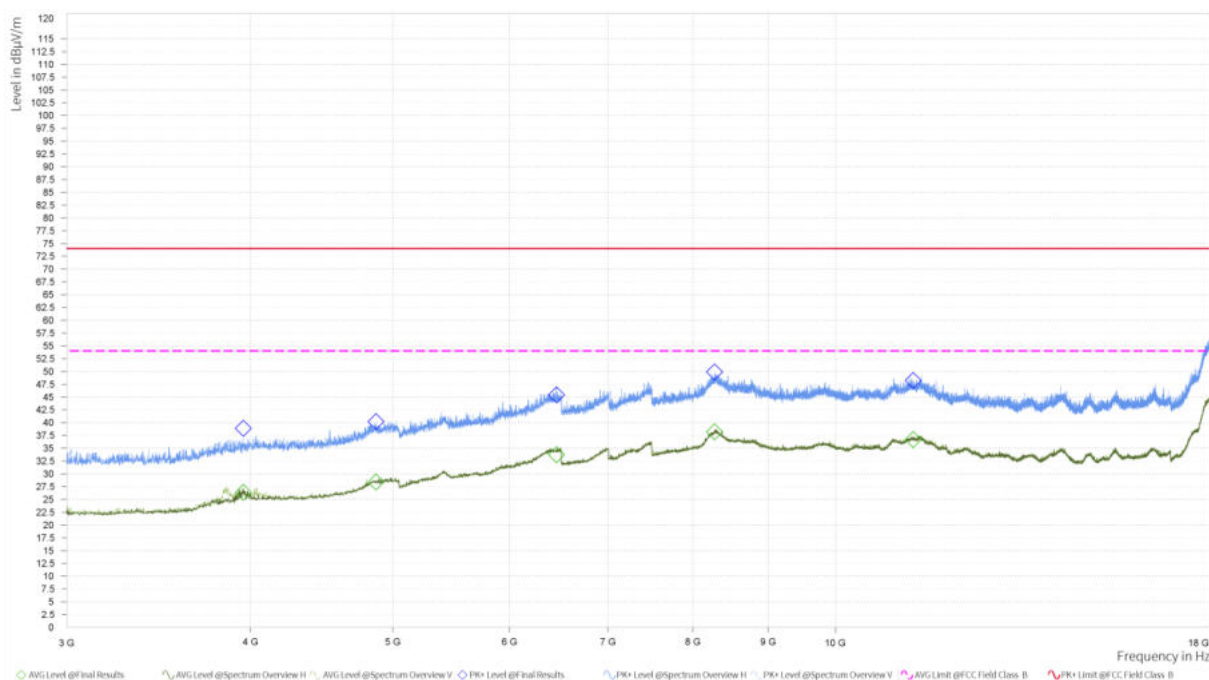


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,125.000	45.46	74.00	28.54	35.76	54.00	18.24	6.31	H	0	2.00	1.000
1,280.500	45.27	74.00	28.73	32.96	54.00	21.04	6.64	H	37.2	2.00	1.000
1,508.250	44.87	74.00	29.13	32.82	54.00	21.18	6.88	H	257.1	2.00	1.000
1,874.500	45.84	74.00	28.16	33.94	54.00	20.06	7.89	H	0	2.00	1.000
2,235.000	48.12	74.00	25.88	36.12	54.00	17.88	9.98	H	284.8	2.00	1.000
2,785.500	51.32	74.00	22.68	38.70	54.00	15.30	12.19	H	57.7	2.00	1.000

Spectrum Overview H/V



Radiates Emission from 3GHz to 18GHz

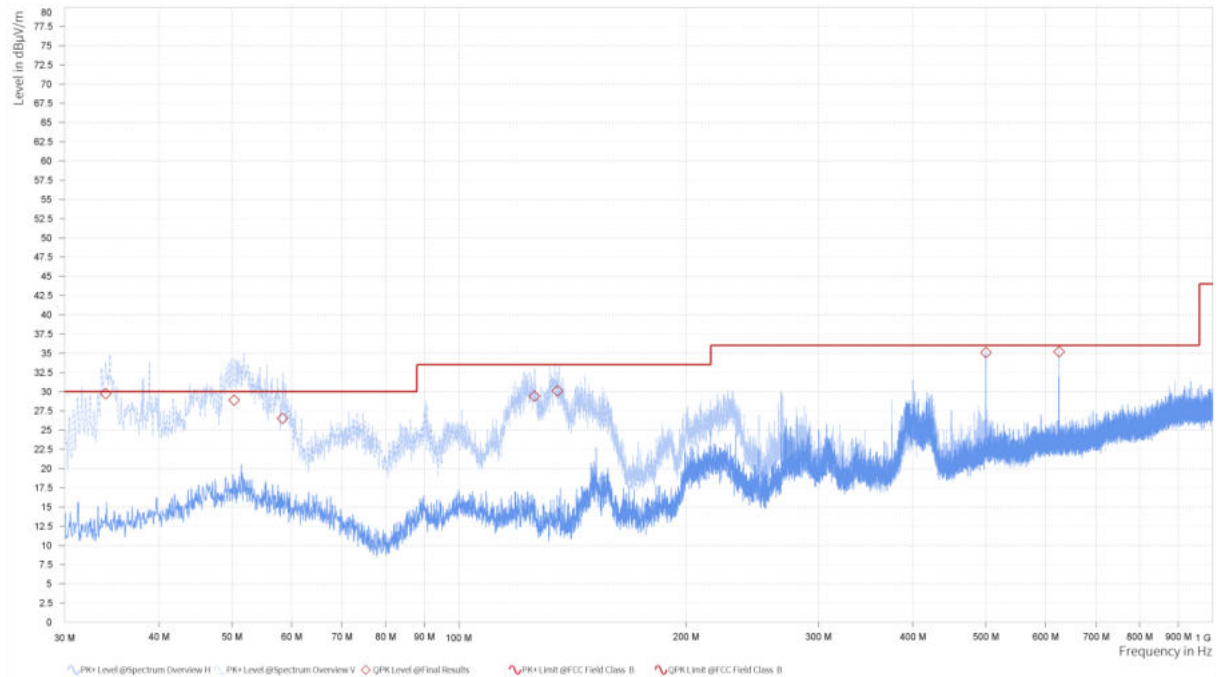
Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,956.250	38.87	74.00	35.13	26.36	54.00	27.64	-4.88	V	248.5	1.00	1.000
4,869.375	40.18	74.00	33.82	28.41	54.00	25.59	-0.77	V	353.8	1.00	1.000
6,461.250	45.37	74.00	28.63	33.71	54.00	20.29	3.52	H	1.9	1.00	1.000
8,274.375	49.87	74.00	24.13	38.21	54.00	15.79	8.90	H	94.5	1.00	1.000
11,293.125	48.19	74.00	25.81	36.70	54.00	17.30	7.87	H	118.1	1.00	1.000

Bluetooth LE

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, the test data of the worst-case condition (Bluetooth LE-Channel 0) was recorded in this report.

Bluetooth LE-Channel 0

Spectrum Overview H/V

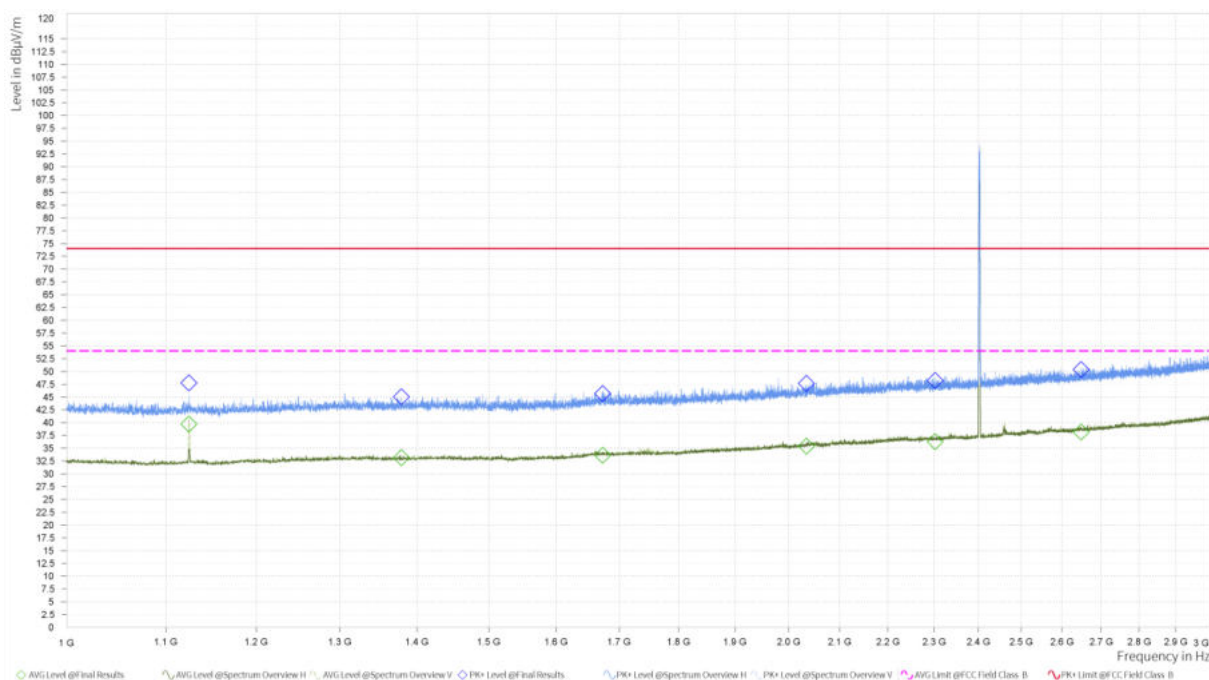


Radiates Emission from 30MHz to 1GHz

Frequency [MHz]	QPK Level [dBμV/m]	QPK Limit [dBμV/m]	QPK Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
34.017	29.71	30.00	0.29	-11.37	V	161.5	1.00
50.365	28.86	30.00	1.14	-8.36	V	115.3	2.01
58.327	26.52	30.00	3.48	-9.33	V	61.2	1.00
125.982	29.38	33.50	4.12	-12.05	V	88.1	1.07
135.130	30.10	33.50	3.40	-12.94	V	95.1	1.14
499.971	35.06	36.00	0.94	-2.87	V	325.3	1.04
625.011	35.17	36.00	0.83	-0.73	V	69	1.00

Bluetooth LE-Channel 0

Spectrum Overview H/V

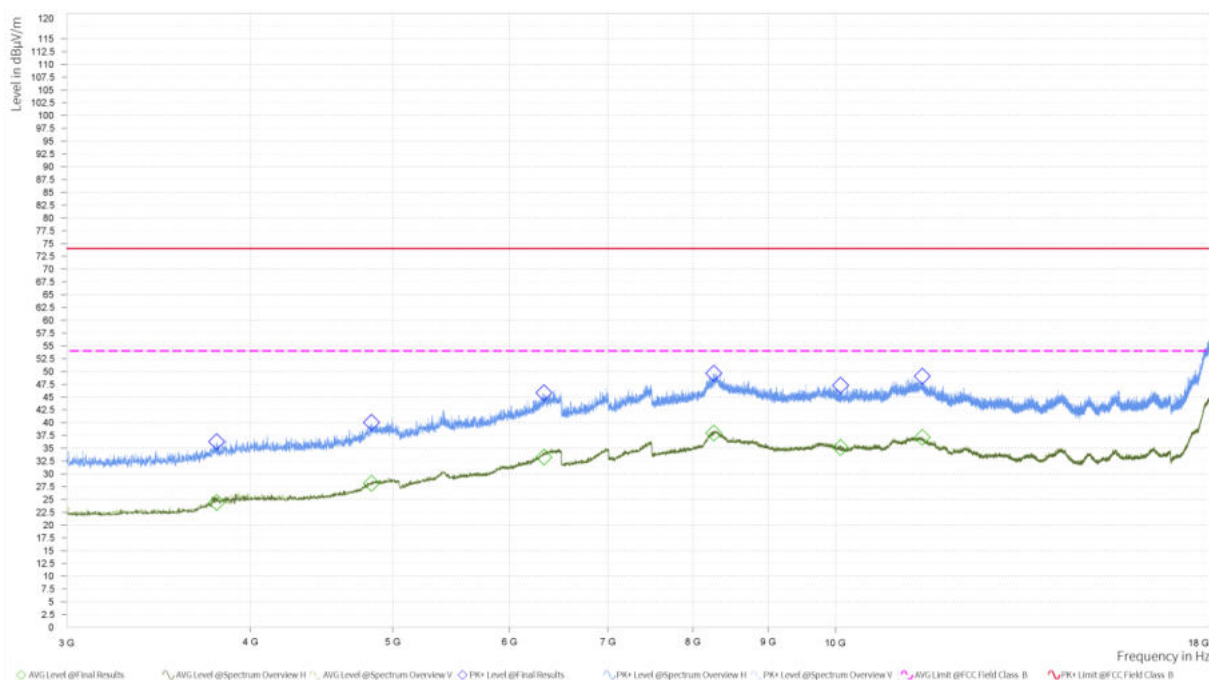


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,124.500	47.76	74.00	26.24	39.68	54.00	14.32	6.30	V	126.8	1.00	1.000
1,379.250	45.05	74.00	28.95	33.14	54.00	20.86	6.77	V	117.8	2.00	1.000
1,673.000	45.67	74.00	28.33	33.58	54.00	20.42	7.19	H	356.6	1.00	1.000
2,034.500	47.64	74.00	26.36	35.35	54.00	18.65	9.24	H	0	1.00	1.000
2,302.250	48.21	74.00	25.79	36.26	54.00	17.74	10.10	V	267.7	2.00	1.000
2,648.500	50.37	74.00	23.63	38.12	54.00	15.88	11.59	V	360	1.00	1.000

Spectrum Overview H/V

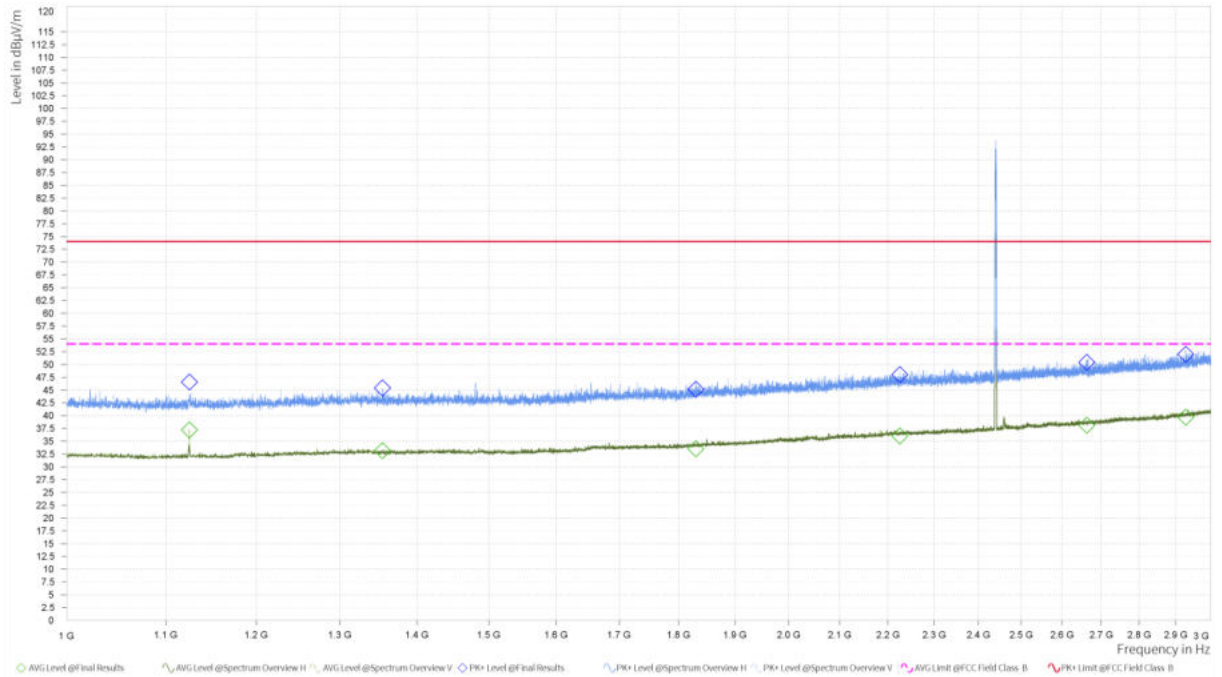


Radiates Emission from 3GHz to 18GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,795.000	36.25	74.00	37.75	24.36	54.00	29.64	-5.30	H	279.6	2.00	1.000
4,835.625	40.01	74.00	33.99	28.10	54.00	25.90	-0.84	H	7.2	2.00	1.000
6,335.625	45.81	74.00	28.19	33.23	54.00	20.77	3.43	V	360	2.00	1.000
8,263.125	49.63	74.00	24.37	37.95	54.00	16.05	8.79	H	174.6	2.00	1.000
10,081.875	47.29	74.00	26.71	35.13	54.00	18.87	5.63	V	201.7	2.00	1.000
11,456.250	49.06	74.00	24.94	37.11	54.00	16.89	7.64	V	226	2.00	1.000

Bluetooth LE-Channel 19

Spectrum Overview H/V

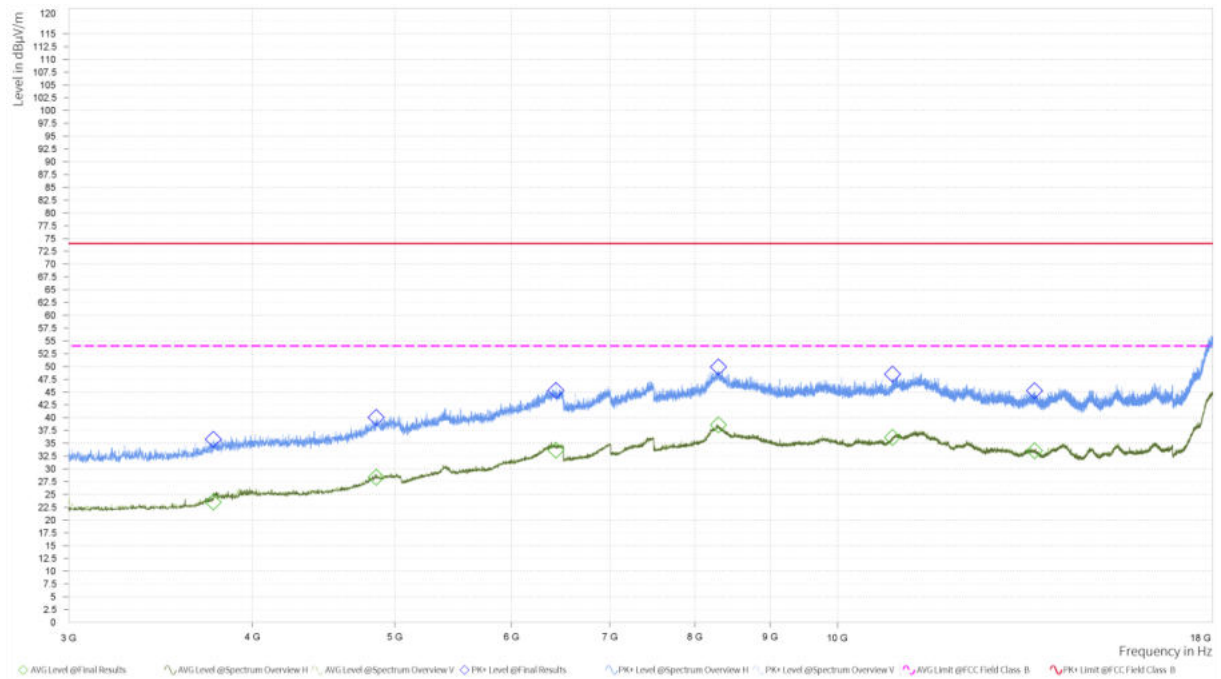


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,125.250	46.52	74.00	27.48	37.18	54.00	16.82	6.31	V	129.1	2.00	1.000
1,354.250	45.39	74.00	28.61	33.14	54.00	20.86	6.73	H	117.3	2.00	1.000
1,829.750	45.14	74.00	28.86	33.49	54.00	20.51	7.54	H	81.9	2.00	1.000
2,225.500	47.99	74.00	26.01	35.99	54.00	18.01	9.94	V	335.4	2.00	1.000
2,662.750	50.38	74.00	23.62	38.08	54.00	15.92	11.59	V	114.9	2.00	1.000
2,928.500	51.98	74.00	22.02	39.68	54.00	14.32	12.88	H	124.2	2.00	1.000

Spectrum Overview H/V

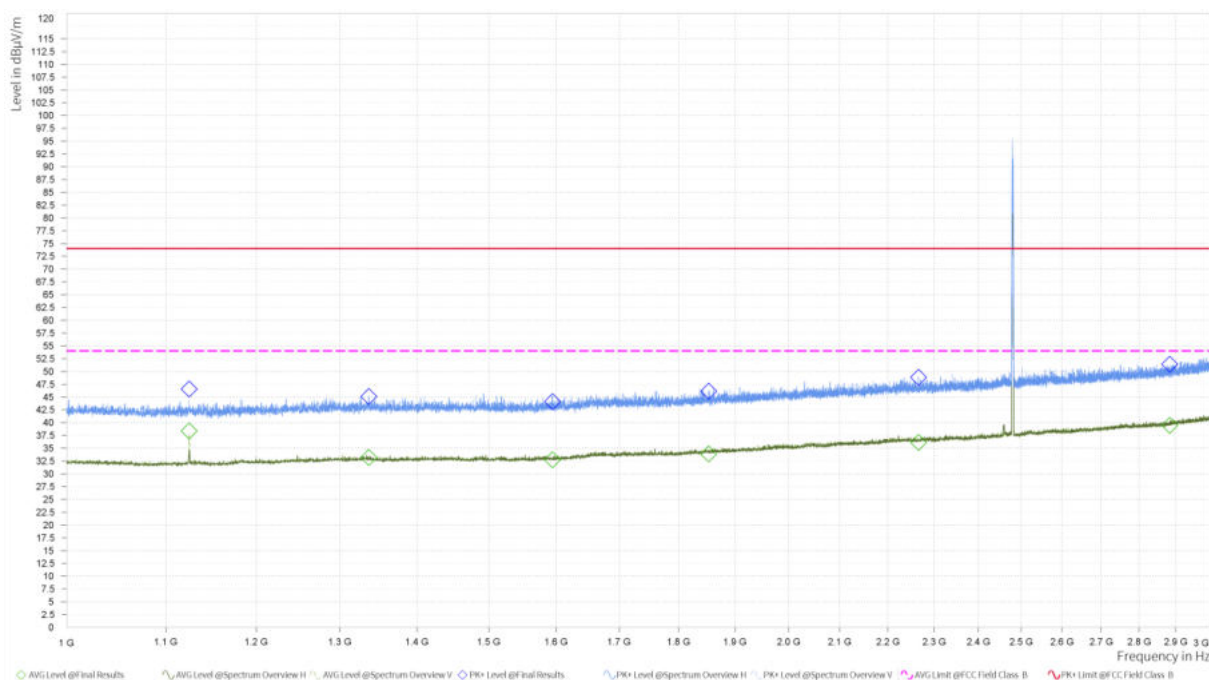


Radiates Emission from 3GHz to 18GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,763.125	35.72	74.00	38.28	23.48	54.00	30.52	-5.44	H	102.8	2.00	1.000
4,856.250	40.01	74.00	33.99	28.35	54.00	25.65	-0.71	V	346.7	2.00	1.000
6,435.000	45.27	74.00	28.73	33.59	54.00	20.41	3.66	V	358.6	2.00	1.000
8,300.625	49.87	74.00	24.13	38.55	54.00	15.45	9.00	H	190.1	2.00	1.000
10,901.250	48.46	74.00	25.54	36.09	54.00	17.91	6.52	H	13.8	2.00	1.000
13,616.250	45.24	74.00	28.76	33.52	54.00	20.48	6.58	H	142.6	2.00	1.000

Bluetooth LE-Channel 39

Spectrum Overview H/V

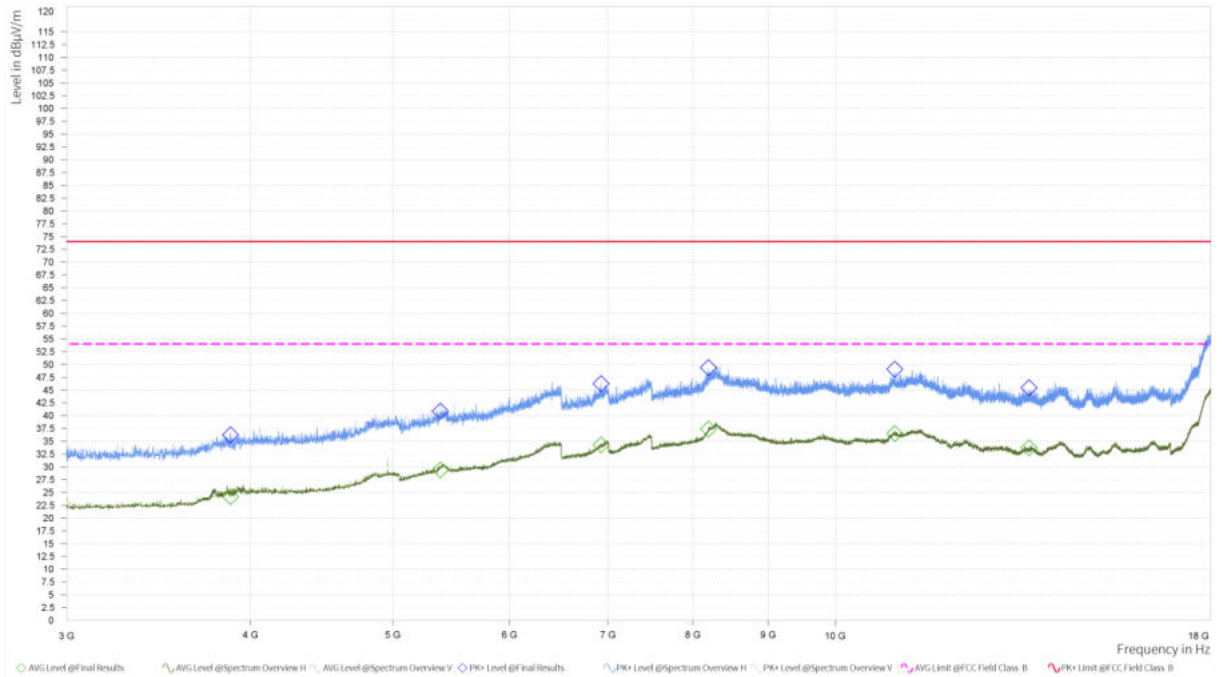


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
1,124.750	46.53	74.00	27.47	38.35	54.00	15.65	6.30	V	57.7	2.00	1.000
1,336.750	45.06	74.00	28.94	33.18	54.00	20.82	6.83	H	88.3	2.00	1.000
1,594.250	44.07	74.00	29.93	32.70	54.00	21.30	6.90	H	223.7	2.00	1.000
1,852.500	46.13	74.00	27.87	33.88	54.00	20.12	7.78	H	0	2.00	1.000
2,265.750	48.85	74.00	25.15	36.11	54.00	17.89	9.97	H	95.4	2.00	1.000
2,884.250	51.39	74.00	22.61	39.46	54.00	14.54	12.70	V	323.8	2.00	1.000

Spectrum Overview H/V



Radiates Emission from 3GHz to 18GHz

Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. Time [s]
3,877.500	36.23	74.00	37.77	24.15	54.00	29.85	-5.15	H	236.4	2.00	1.000
5,386.875	40.87	74.00	33.13	29.40	54.00	24.60	0.28	V	23.5	2.00	1.000
6,928.125	46.23	74.00	27.77	34.26	54.00	19.74	3.39	V	235.8	2.00	1.000
8,195.625	49.34	74.00	24.66	37.34	54.00	16.66	7.94	H	52.1	2.00	1.000
10,974.375	49.03	74.00	24.97	36.48	54.00	17.52	7.05	H	201	2.00	1.000
13,543.125	45.42	74.00	28.58	33.69	54.00	20.31	6.45	H	0	2.00	1.000

5.3. Conducted Emission

Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

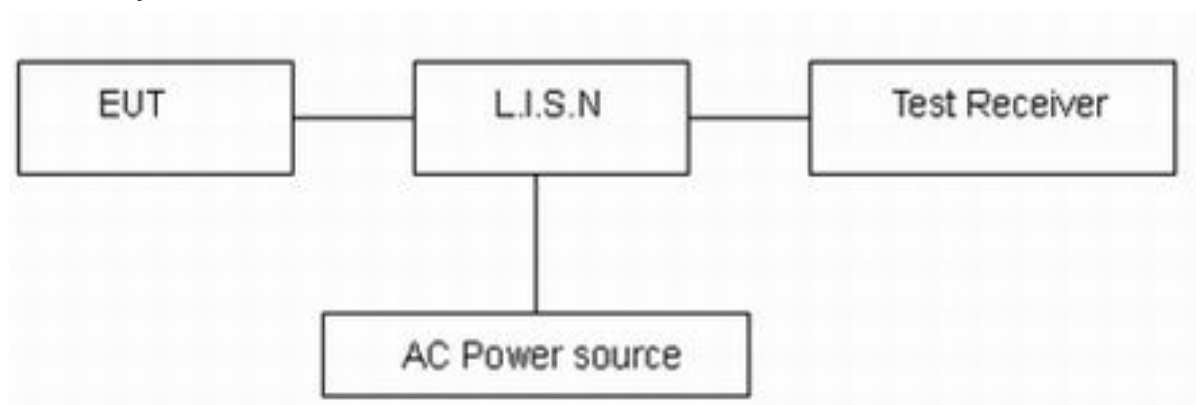
Methods of Measurement

The EUT is placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10. Connect the AC power line of the EUT to the L.I.S.N. Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9 kHz, VBW is set to 30kHz.

The measurement result should include both L line and N line.

The test is in transmitting mode.

Test Setup



Note: AC Power source is used to change the voltage 110V/60Hz.

Limits

Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50
*: Decreases with the logarithm of the frequency.		

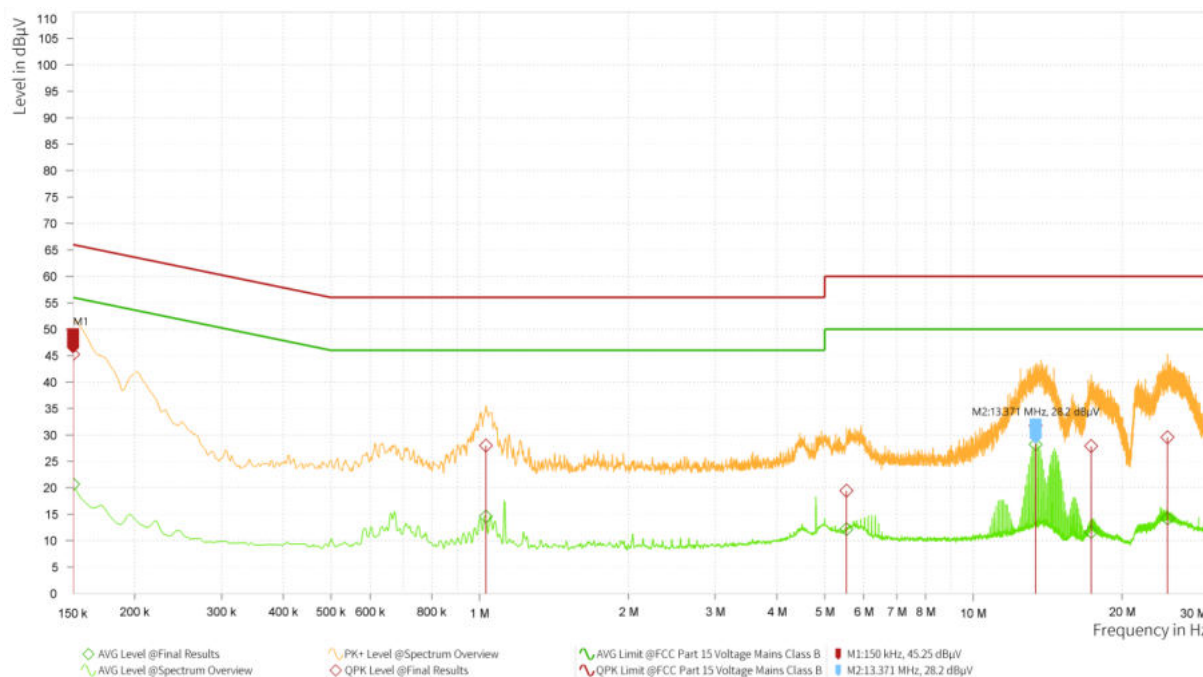
Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U = 2.69$ dB.

Test Results:

Wi-Fi 2.4GHz

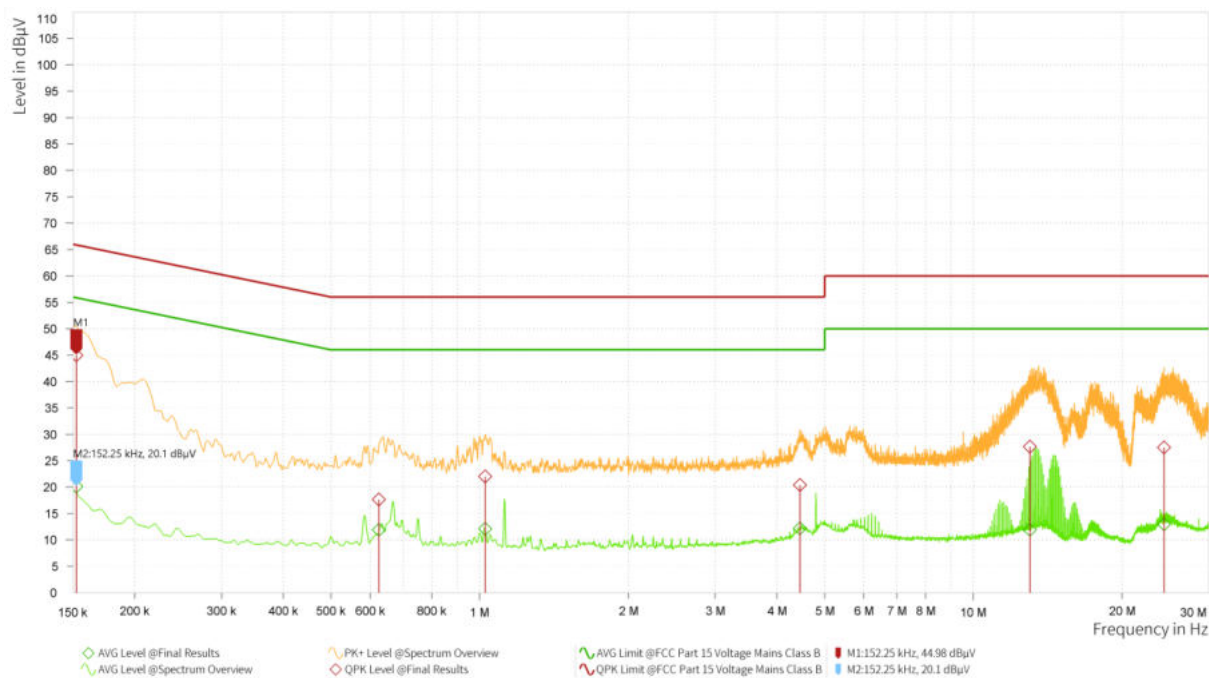
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition (802.11b CH11) was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.150	45.25	66.00	20.75	20.67	56.00	35.33	20.90	L1	9.000	1.000
1.030	28.00	56.00	28.00	14.56	46.00	31.44	20.14	L1	9.000	1.000
5.534	19.46	60.00	40.54	12.18	50.00	37.82	19.40	L1	9.000	1.000
13.371	31.79	60.00	28.21	28.20	50.00	21.80	19.46	L1	9.000	1.000
17.338	27.87	60.00	32.13	11.63	50.00	38.37	19.58	L1	9.000	1.000
24.758	29.57	60.00	30.43	14.20	50.00	35.80	19.80	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



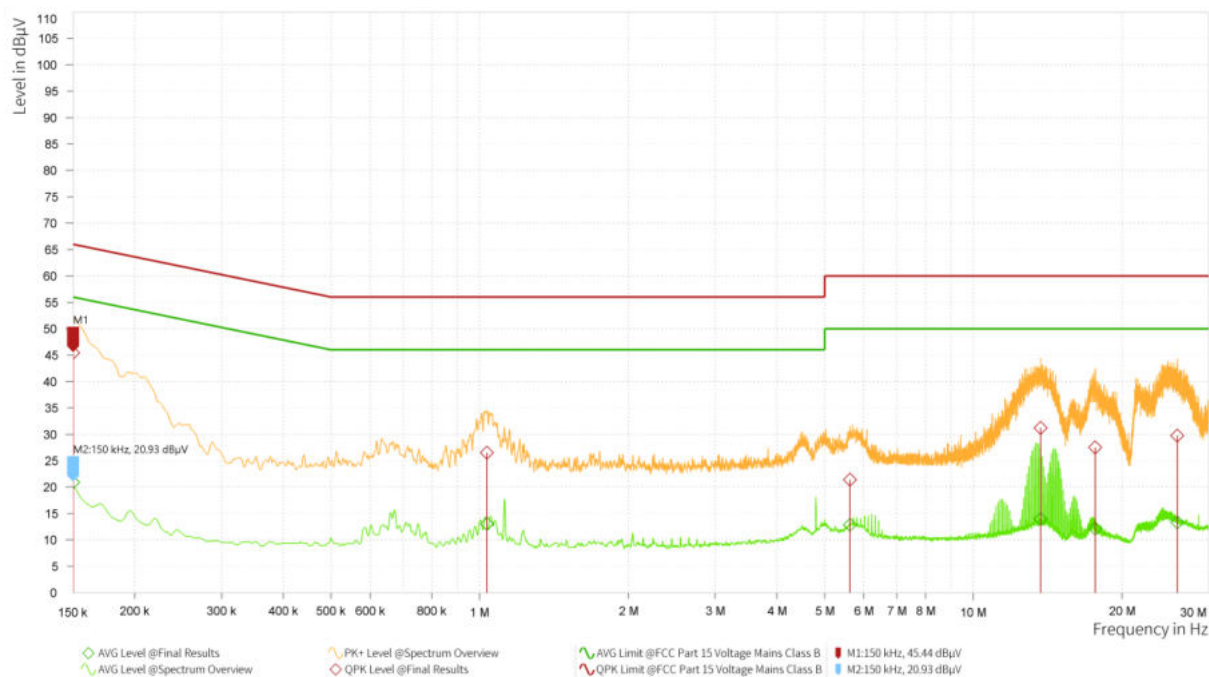
Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.152	44.98	65.88	20.89	20.10	55.88	35.77	20.91	N	9.000	1.000
0.625	17.64	56.00	38.36	11.93	46.00	34.07	20.66	N	9.000	1.000
1.025	22.03	56.00	33.97	12.11	46.00	33.89	20.15	N	9.000	1.000
4.452	20.41	56.00	35.59	12.21	46.00	33.79	19.42	N	9.000	1.000
13.022	27.64	60.00	32.36	11.91	50.00	38.09	19.48	N	9.000	1.000
24.340	27.52	60.00	32.48	12.97	50.00	37.03	19.85	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

Bluetooth LE

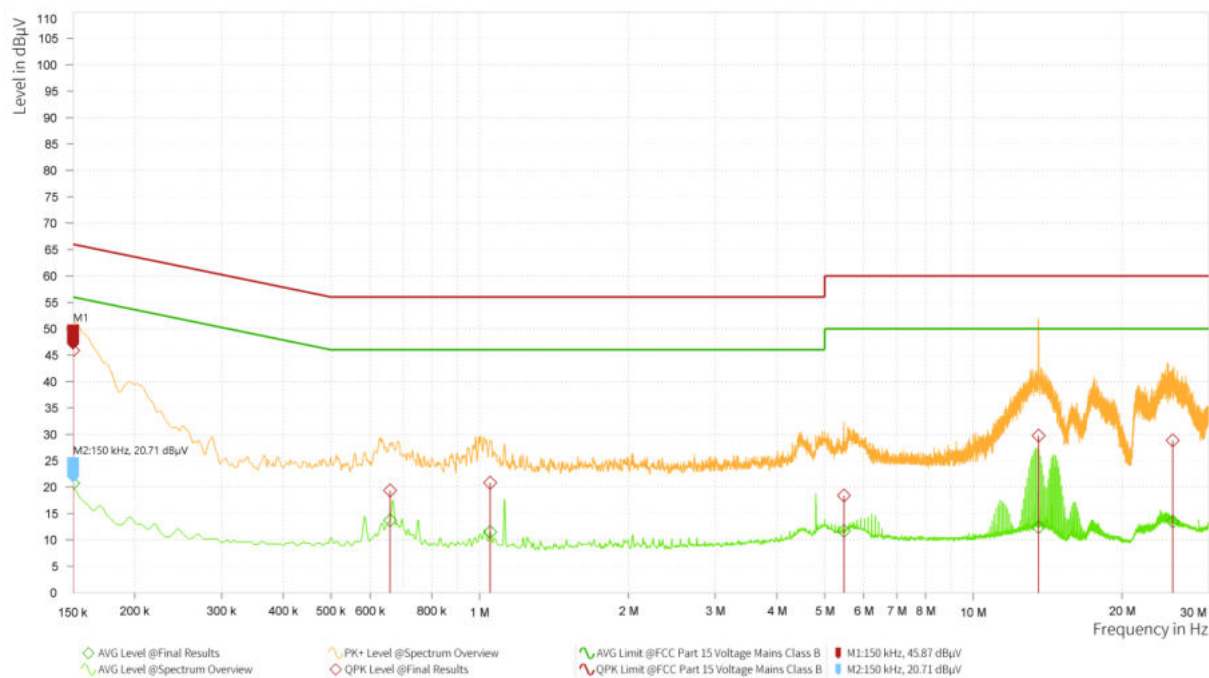
During the test, the Conducted Emission was performed in all modes with all channels. The test data of the worst-case condition (Bluetooth LE-Channel 0) was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.150	45.44	66.00	20.56	20.93	56.00	35.07	20.90	L1	9.000	1.000
1.034	26.53	56.00	29.47	13.04	46.00	32.96	20.13	L1	9.000	1.000
5.624	21.41	60.00	38.59	12.85	50.00	37.15	19.40	L1	9.000	1.000
13.688	31.20	60.00	28.80	13.95	50.00	36.05	19.47	L1	9.000	1.000
17.669	27.49	60.00	32.51	12.15	50.00	37.85	19.59	L1	9.000	1.000
25.892	29.73	60.00	30.27	13.33	50.00	36.67	19.81	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.150	45.87	66.00	20.13	20.71	56.00	35.29	20.91	N	9.000	1.000
0.659	19.35	56.00	36.6 5	13.70	46.00	32.30	20.62	N	9.000	1.000
1.050	20.81	56.00	35.19	11.47	46.00	34.53	20.13	N	9.000	1.000
5.469	18.39	60.00	41.61	11.72	50.00	38.28	19.41	N	9.000	1.000
13.558	29.73	60.00	30.27	12.38	50.00	37.62	19.49	N	9.000	1.000
25.370	28.84	60.00	31.16	13.49	50.00	36.51	19.87	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Spectrum Analyzer	KEYSIGHT	N9020A	MY51330870	2025-05-06	2026-05-05
Attenuator	HASCO	HA18A-10	0003	/	/
EMI Test Receiver	R&S	ESR	102721	2025-05-06	2026-05-05
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2023-04-16	2026-04-15
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	01614	2023-09-13	2026-09-12
Signal Analyzer	R&S	FSV3044	101132	2025-05-06	2026-05-05
Horn Antenna	R&S	HF907	102724	2024-07-23	2027-07-22
Horn Antenna	ETS-Lindgren	3160-09	00102643	2024-09-24	2027-09-23
Software	R&S	ELEKTRA	5.02.1	/	/
Artificial main network	R&S	ENV216	102191	2024-12-02	2026-12-01
EMI Test Receiver	R&S	ESR	101667	2025-05-06	2026-05-05
Software	R&S	EMC32	10.35.10	/	/

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

***** END OF REPORT *****