

Appendix G: Conducted Spurious Emission

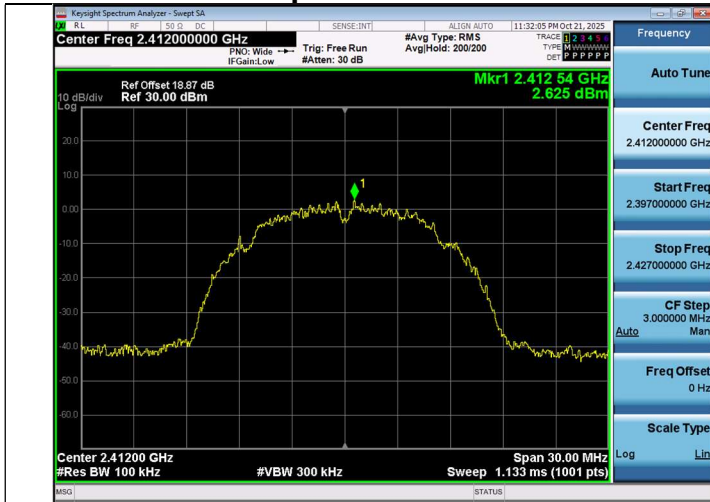
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	2.63	2.63	---	PASS
11B	Ant1	2412	30~1000	2.63	-52.97	≤-27.37	PASS
11B	Ant1	2412	1000~26500	2.63	-43.13	≤-27.37	PASS
11B	Ant1	2437	0~Reference	2.75	2.75	---	PASS
11B	Ant1	2437	30~1000	2.75	-52.57	≤-27.25	PASS
11B	Ant1	2437	1000~26500	2.75	-43.29	≤-27.25	PASS
11B	Ant1	2462	0~Reference	2.33	2.33	---	PASS
11B	Ant1	2462	30~1000	2.33	-52.56	≤-27.67	PASS
11B	Ant1	2462	1000~26500	2.33	-43.69	≤-27.67	PASS
11G	Ant1	2412	0~Reference	-2.32	-2.32	---	PASS
11G	Ant1	2412	30~1000	-2.32	-52.61	≤-32.32	PASS
11G	Ant1	2412	1000~26500	-2.32	-42.9	≤-32.32	PASS
11G	Ant1	2437	0~Reference	-1.77	-1.77	---	PASS
11G	Ant1	2437	30~1000	-1.77	-52.68	≤-31.77	PASS
11G	Ant1	2437	1000~26500	-1.77	-43.74	≤-31.77	PASS
11G	Ant1	2462	0~Reference	-0.78	-0.78	---	PASS
11G	Ant1	2462	30~1000	-0.78	-52.34	≤-30.78	PASS
11G	Ant1	2462	1000~26500	-0.78	-44.5	≤-30.78	PASS
11N20SISO	Ant1	2412	0~Reference	-2.46	-2.46	---	PASS
11N20SISO	Ant1	2412	30~1000	-2.46	-53.16	≤-32.46	PASS
11N20SISO	Ant1	2412	1000~26500	-2.46	-43.72	≤-32.46	PASS
11N20SISO	Ant1	2437	0~Reference	-5.36	-5.36	---	PASS
11N20SISO	Ant1	2437	30~1000	-5.36	-52.97	≤-35.36	PASS
11N20SISO	Ant1	2437	1000~26500	-5.36	-43.29	≤-35.36	PASS
11N20SISO	Ant1	2462	0~Reference	-1.42	-1.42	---	PASS
11N20SISO	Ant1	2462	30~1000	-1.42	-52.9	≤-31.42	PASS
11N20SISO	Ant1	2462	1000~26500	-1.42	-43.45	≤-31.42	PASS

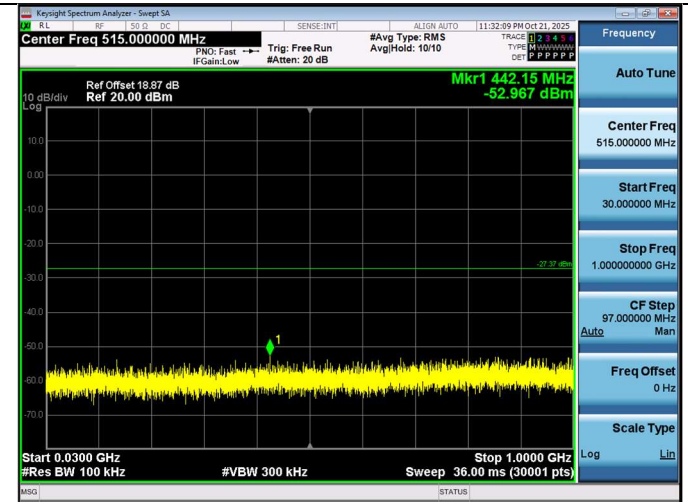
Test Report No.: EFGX25100120-IE-02-E02

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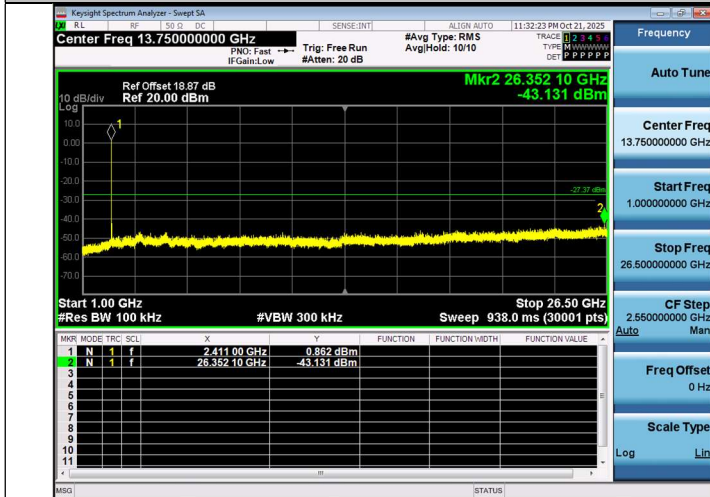
Test Graphs



11B-Ant1-2412-0~Reference-PASS



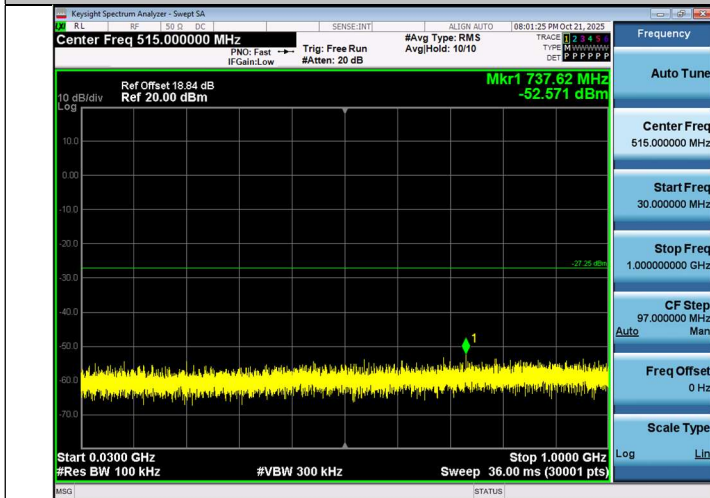
11B-Ant1-2412-30~1000-PASS



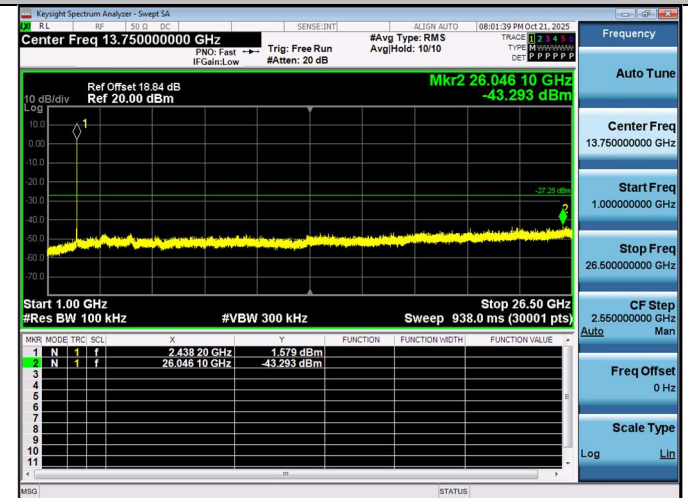
11B-Ant1-2412-1000~26500-PASS



11B-Ant1-2437-0~Reference-PASS



11B-Ant1-2437-30~1000-PASS



11B-Ant1-2437-1000~26500-PASS

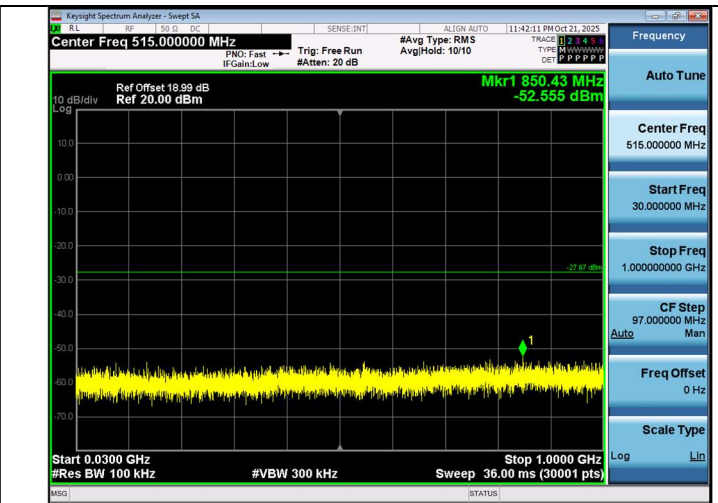
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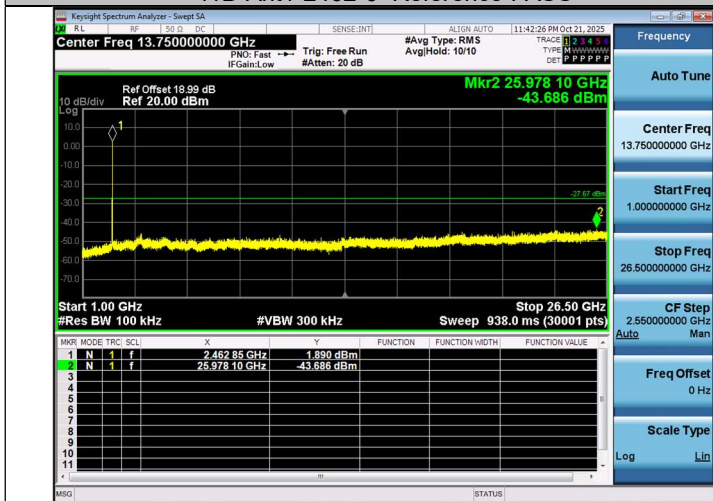
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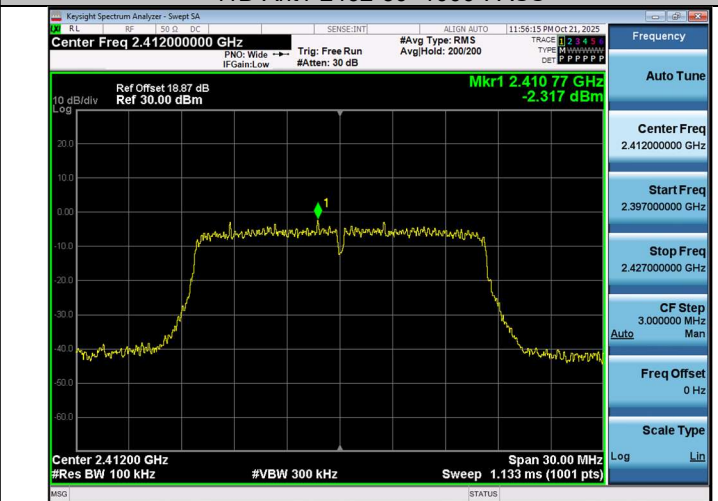
11B-Ant1-2462-0~Reference-PASS



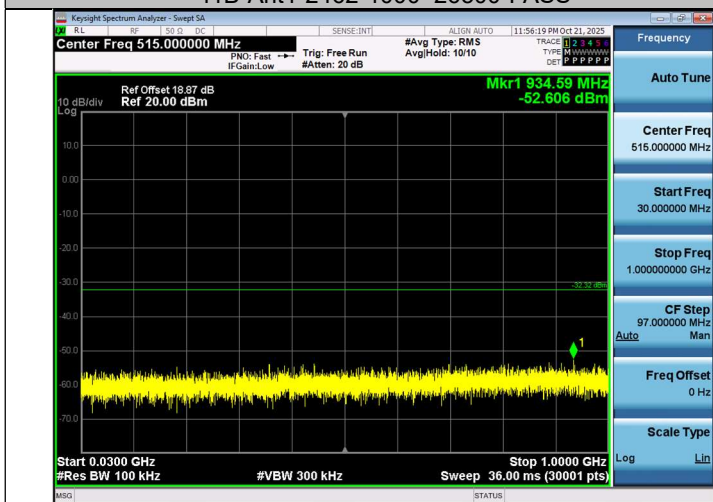
11B-Ant1-2462-30~1000-PASS



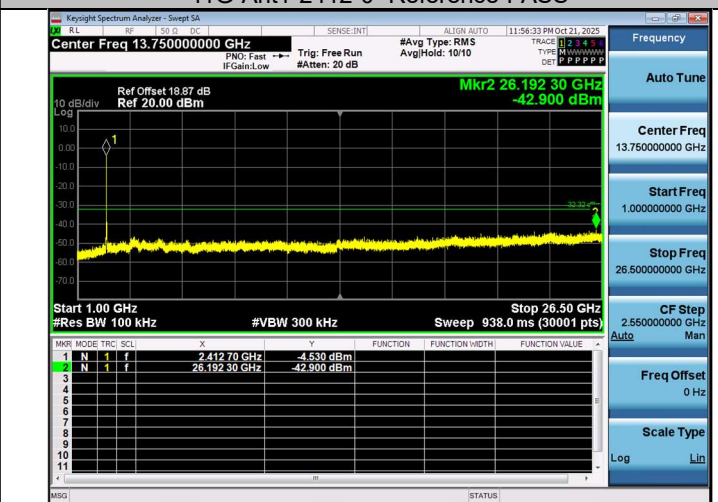
11B-Ant1-2462-1000~26500-PASS



11G-Ant1-2412-0~Reference-PASS



11G-Ant1-2412-30~1000-PASS



11G-Ant1-2412-1000~26500-PASS

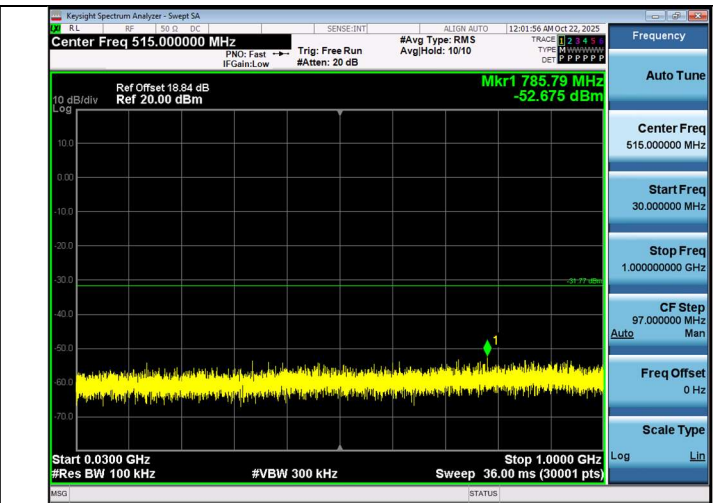
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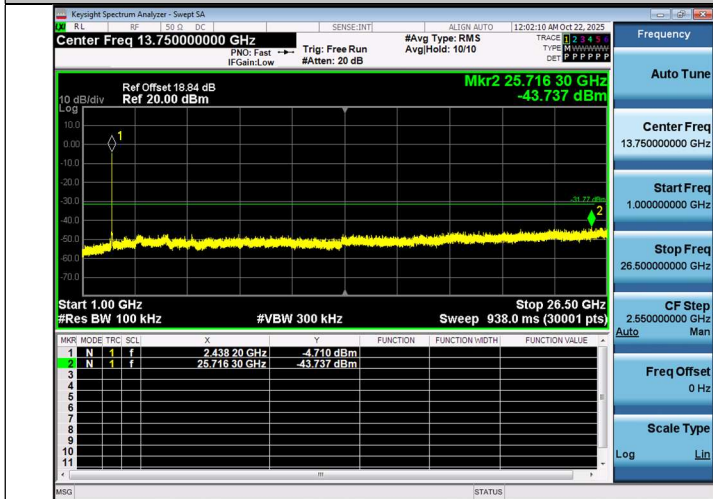
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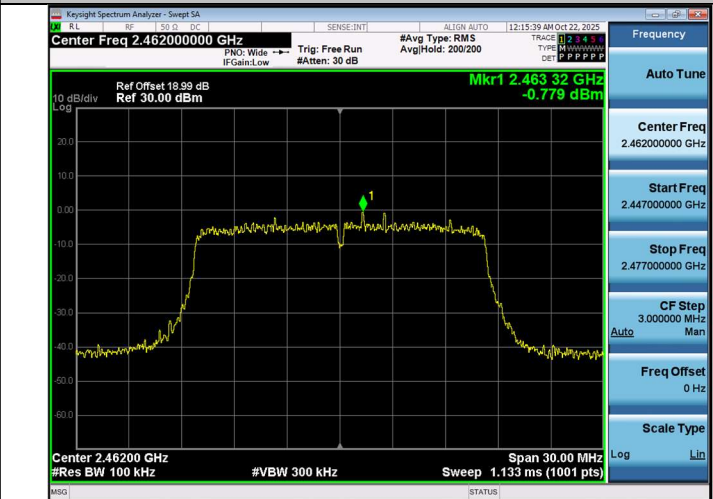
11G-Ant1-2437-0~Reference-PASS



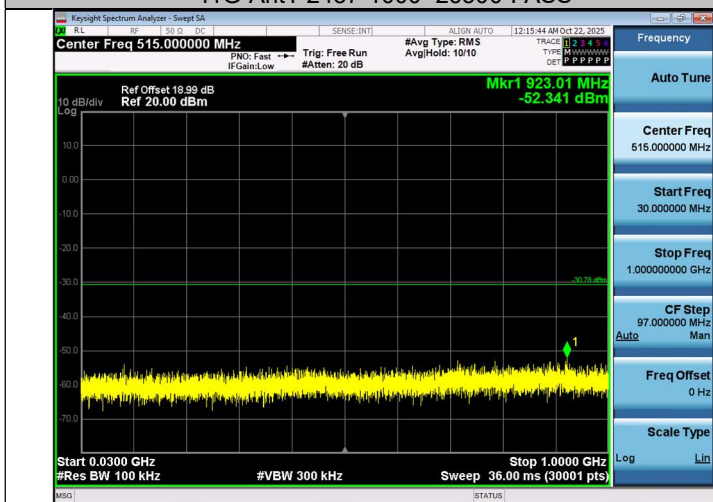
11G-Ant1-2437-30~1000-PASS



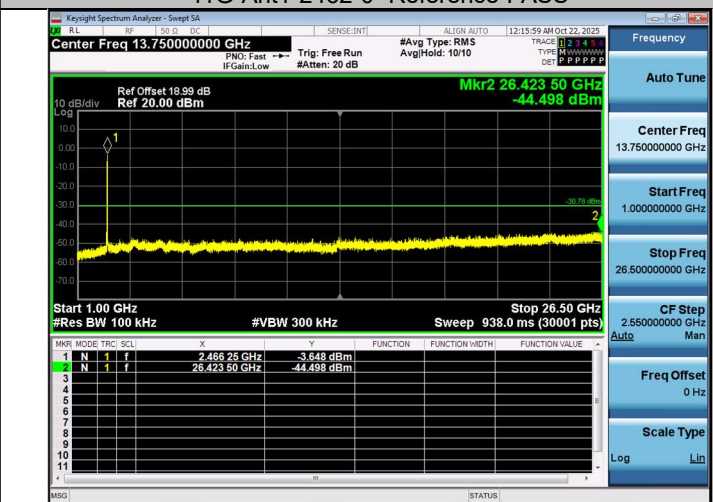
11G-Ant1-2437-1000~26500-PASS



11G-Ant1-2462-0~Reference-PASS



11G-Ant1-2462-30~1000-PASS

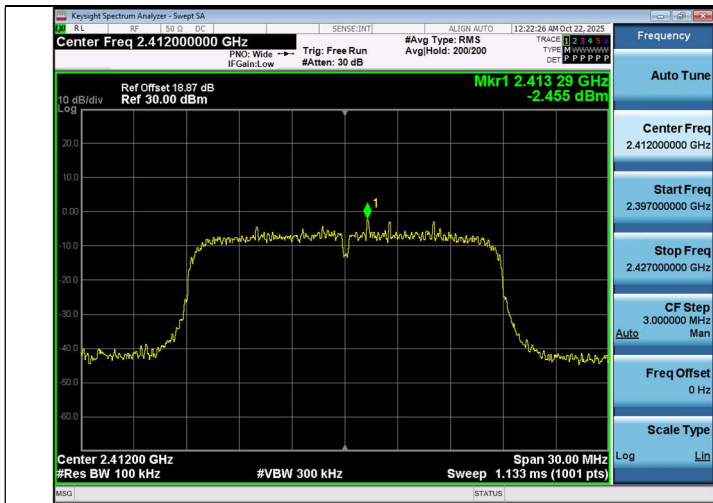


11G-Ant1-2462-1000~26500-PASS

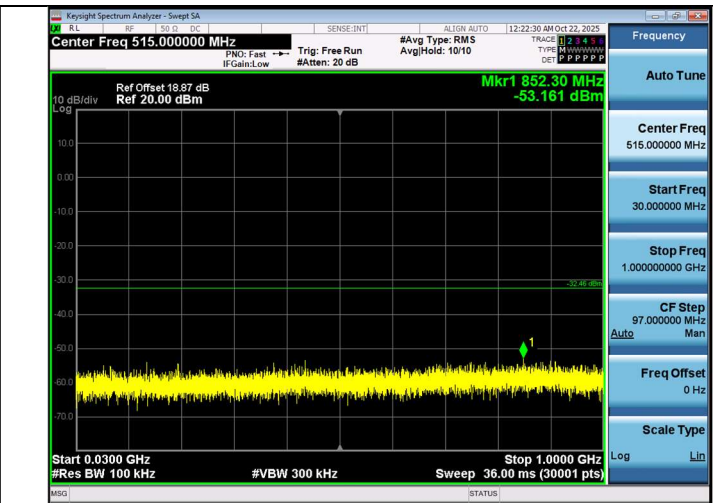
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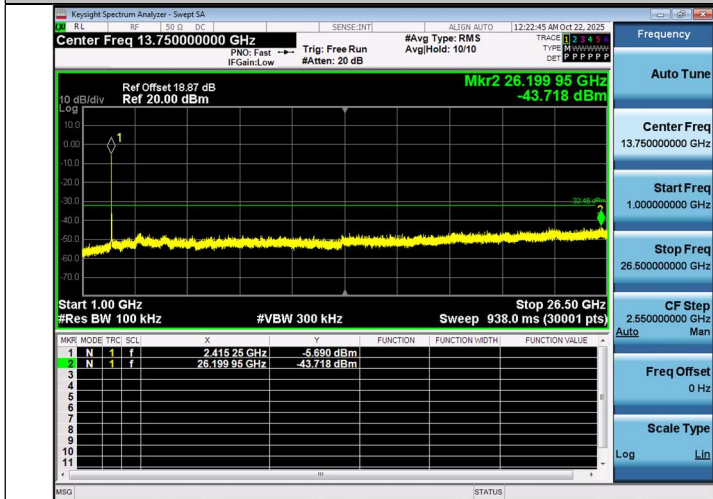
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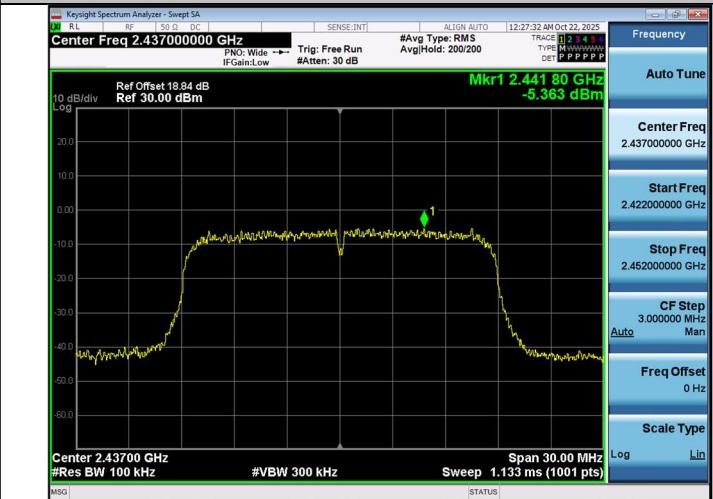
11N20SISO-Ant1-2412-0~Reference-PASS



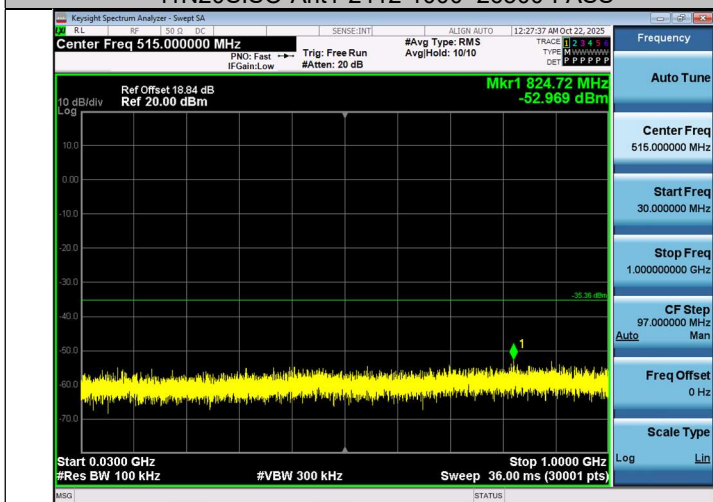
11N20SISO-Ant1-2412-30~1000-PASS



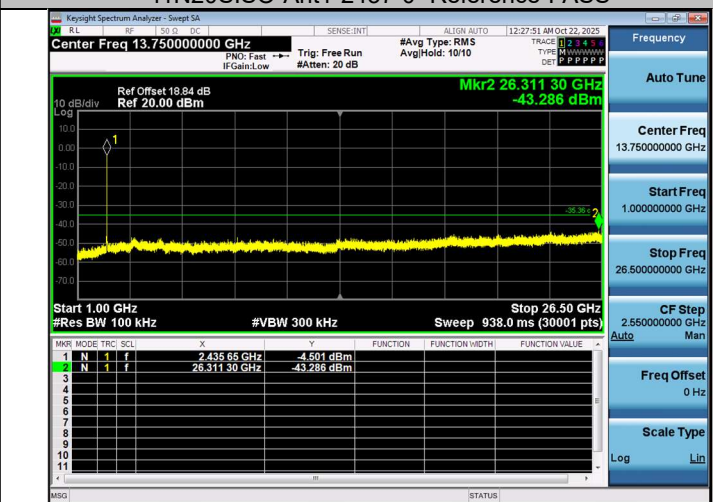
11N20SISO-Ant1-2412-1000~26500-PASS



11N20SISO-Ant1-2437-0~Reference-PASS



11N20SISO-Ant1-2437-30~1000-PASS

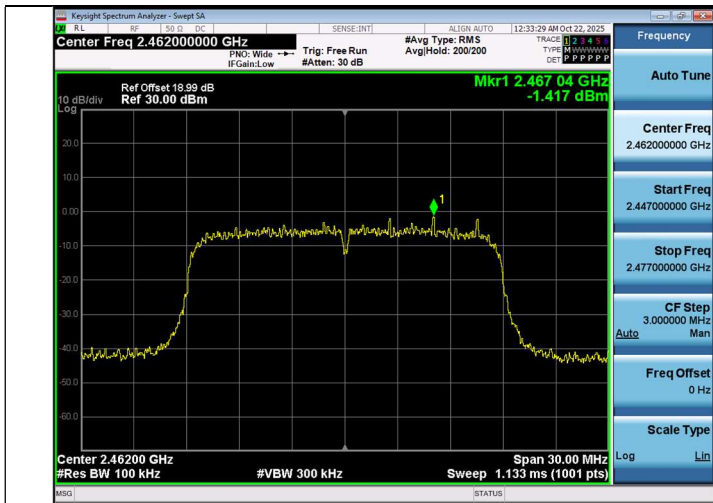


11N20SISO-Ant1-2437-1000~26500-PASS

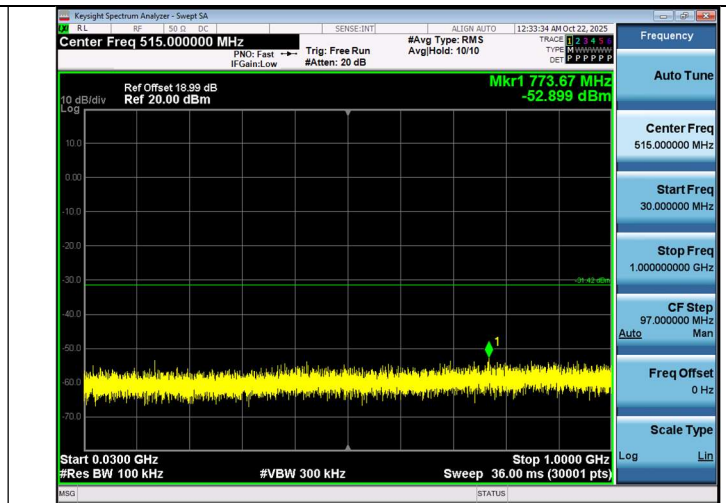
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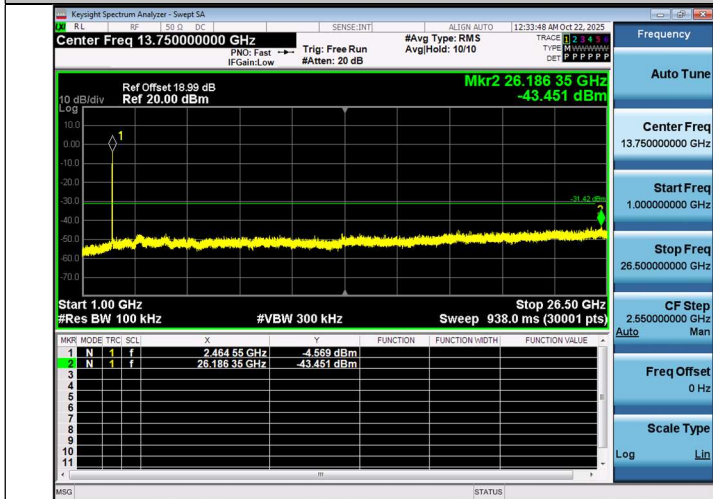
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11N20SISO-Ant1-2462-0~Reference-PASS



11N20SISO-Ant1-2462-30~1000-PASS



11N20SISO-Ant1-2462-1000~26500-PASS

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Appendix H: Duty Cycle

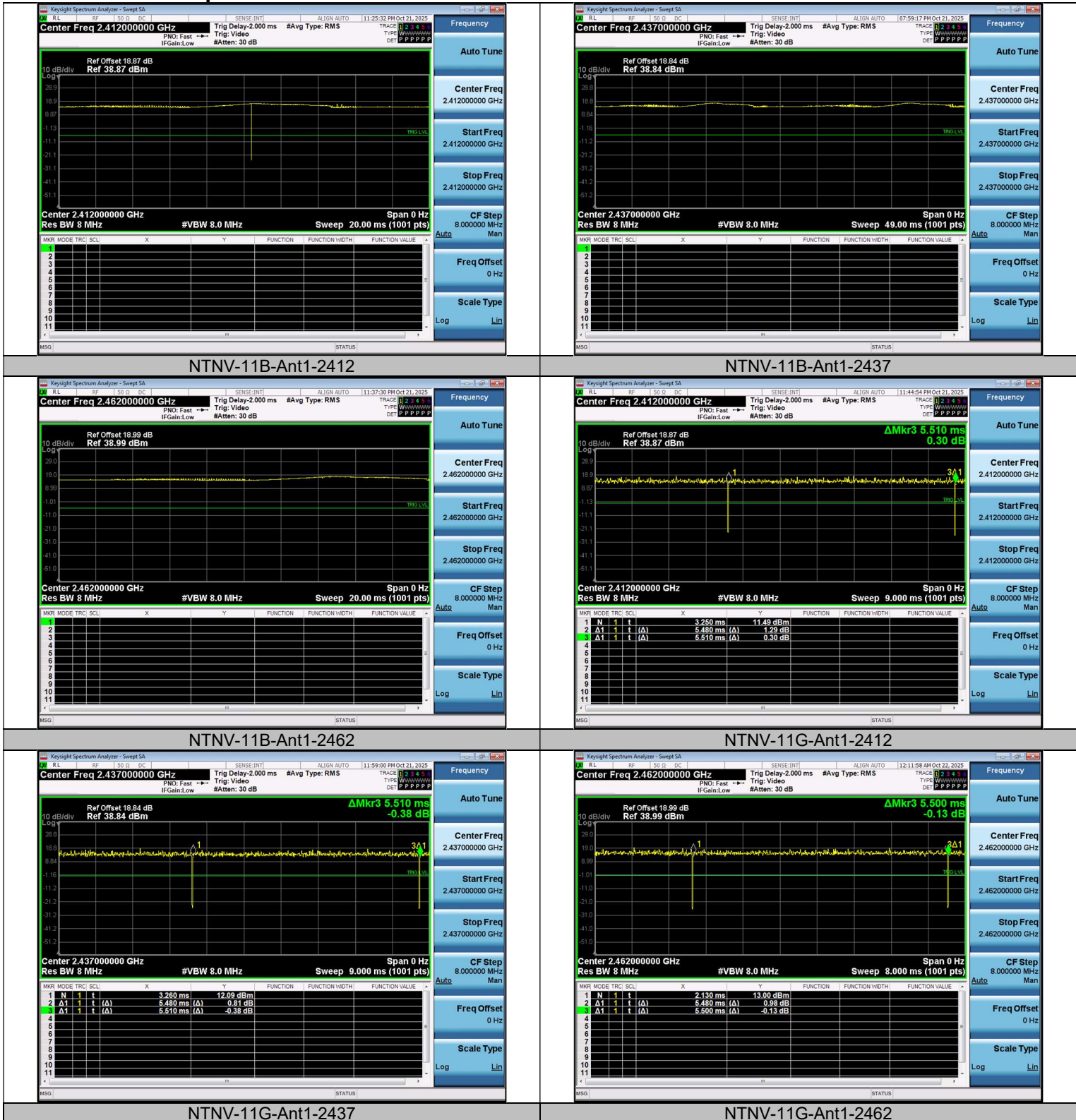
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	20.00	20.00	100.00	0.00
11B	Ant1	2437	49.00	49.00	100.00	0.00
11B	Ant1	2462	20.00	20.00	100.00	0.00
11G	Ant1	2412	5.48	5.51	99.46	0.02
11G	Ant1	2437	5.48	5.51	99.46	0.02
11G	Ant1	2462	5.48	5.50	99.64	0.02
11N20SISO	Ant1	2412	5.07	5.10	99.41	0.03
11N20SISO	Ant1	2437	5.08	5.11	99.41	0.03
11N20SISO	Ant1	2462	5.08	5.10	99.61	0.02

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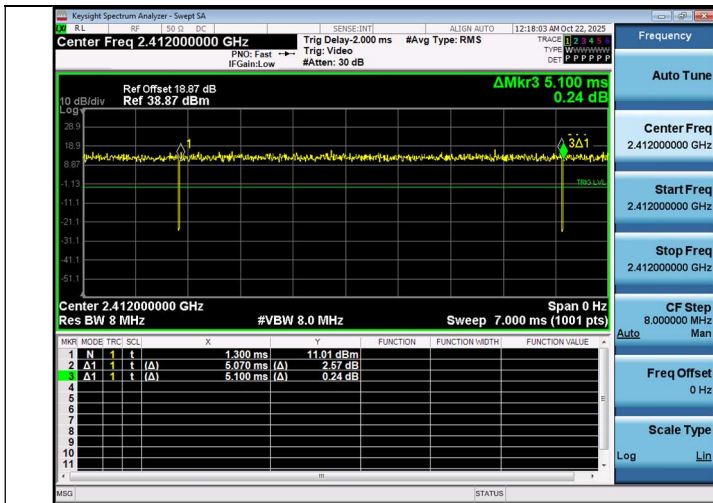
Test Graphs



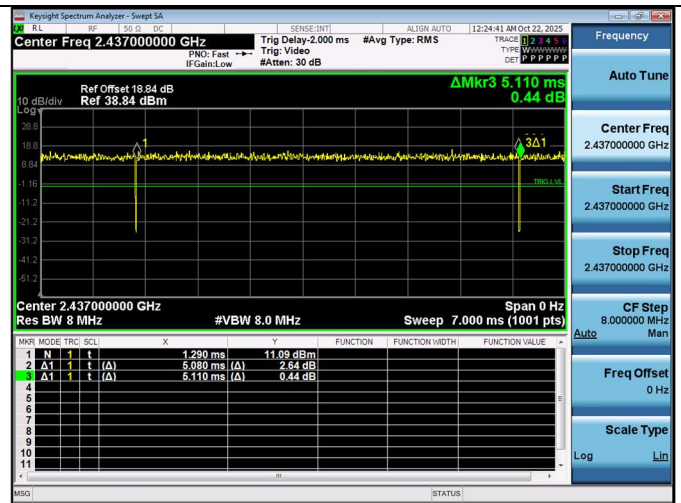
Test Report No.: EFGX25100120-IE-02-E02

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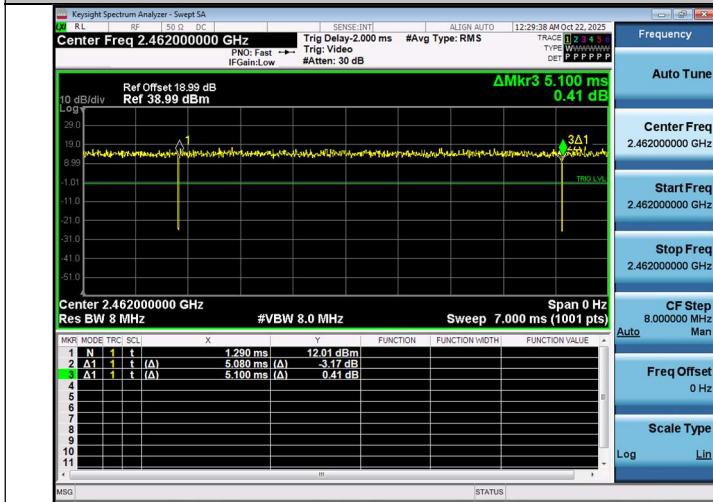
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NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

Test Report No.: EFGX25100120-IE-02-E02

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Appendix I: Emissions in Restricted Bands

The report only records the worst-case emission levels.

For radiated emissions in the frequency range of 9 kHz to 30 MHz, a preliminary scan was performed. Per FCC §15.31(o), emissions that were more than 20 dB below the applicable limit are not reported.

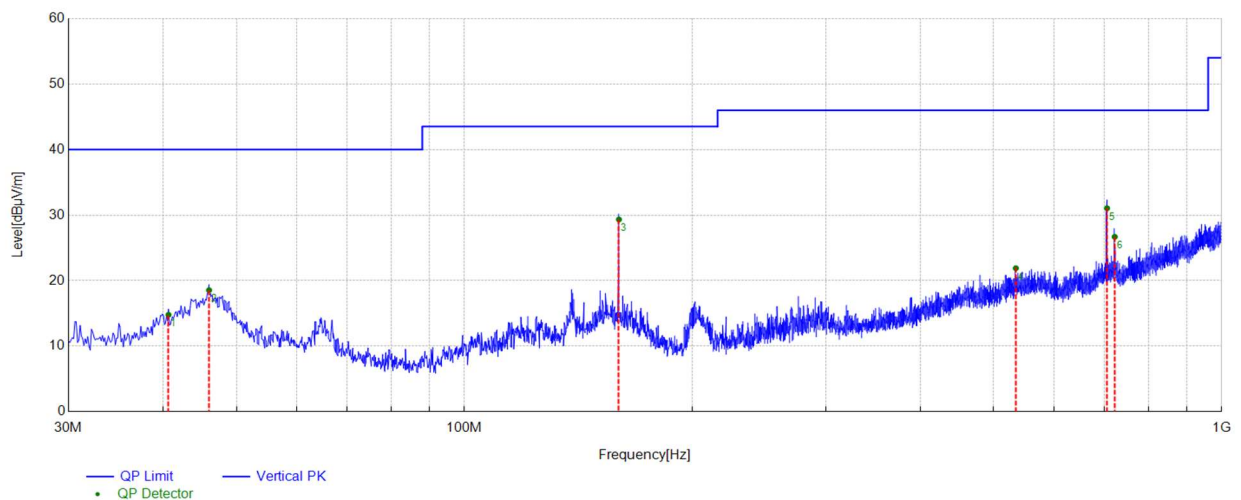
For radiated emissions at frequencies above 1 GHz, per ANSI C63.10-2020, Section 6.6.4.3, Note 1, if the peak measured value complies with the average limit, an average measurement is not required. Therefore, for frequencies where the peak result complies with the average limit, average (AV) emission values may be omitted from the table below.

Below 1GHz (Worst Case)

Mode:	11n20	Channel:	2437 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-23 16:27:50

Test Graph



QP Final Data List									
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	40.6700	-16.17	14.80	40.00	25.20	100	213	Vertical	PASS
2	46.0050	-16.21	18.55	40.00	21.45	100	93	Vertical	PASS
3	159.9800	-16.04	29.34	43.50	14.16	100	245	Vertical	PASS
4	534.7638	-10.79	21.90	46.00	24.10	100	71	Vertical	PASS
5	705.6050	-6.90	31.05	46.00	14.95	100	344	Vertical	PASS
6	722.3375	-6.67	26.69	46.00	19.31	100	298	Vertical	PASS

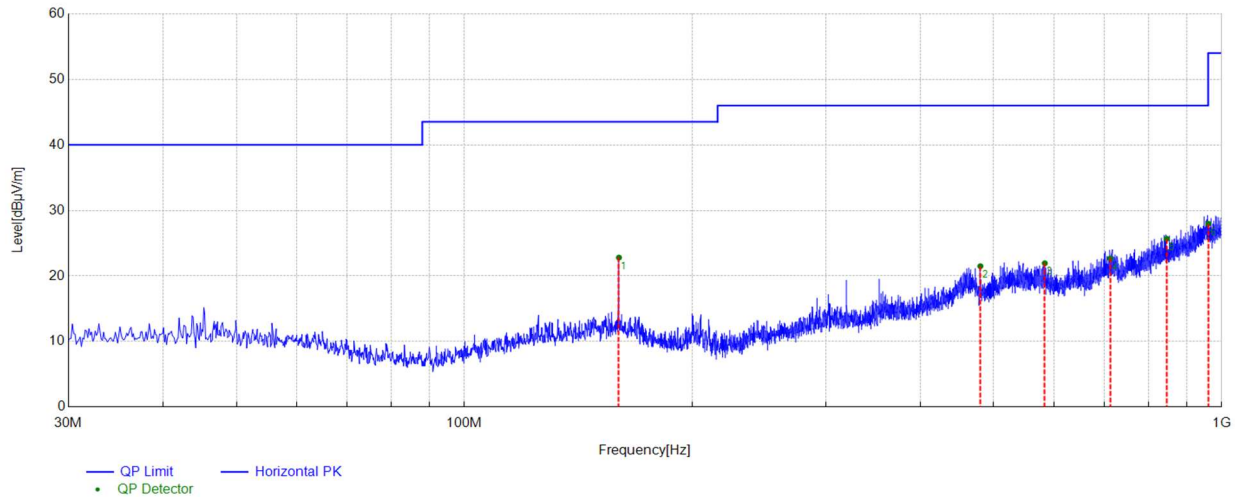
Test Report No.: EFGX25100120-IE-02-E02

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Mode:	11n20	Channel:	2437 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-23 16:28:56

Test Graph



QP Final Data List									
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	159.9800	-16.04	22.81	43.50	20.69	100	350	Horizontal	PASS
2	480.0800	-11.97	21.50	46.00	24.50	100	273	Horizontal	PASS
3	583.9912	-9.18	21.94	46.00	24.06	100	133	Horizontal	PASS
4	712.3950	-6.88	22.67	46.00	23.33	100	234	Horizontal	PASS
5	846.1338	-4.54	25.68	46.00	20.32	100	33	Horizontal	PASS
6	960.1088	-1.67	27.97	54.00	26.03	100	19	Horizontal	PASS

Test Report No.: EFGX25100120-IE-02-E02

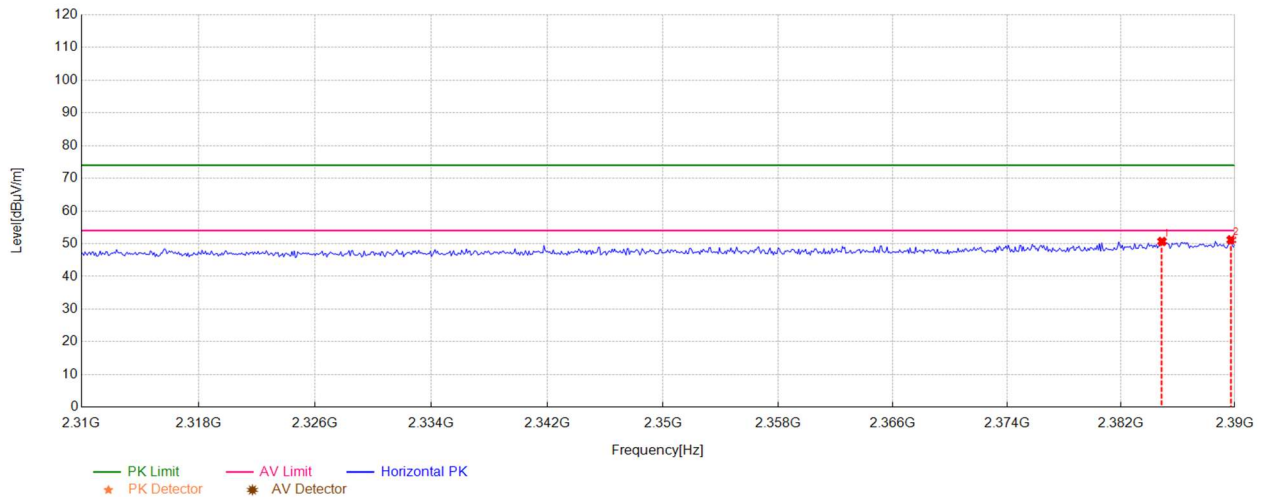
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Above 1GHz

Mode:	11b	Channel:	2412 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-22 18:41:55

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2384.88	50.68	8.03	74.00	23.32	150	330	Horizontal	PASS
2	2389.76	51.19	8.25	74.00	22.81	150	270	Horizontal	PASS

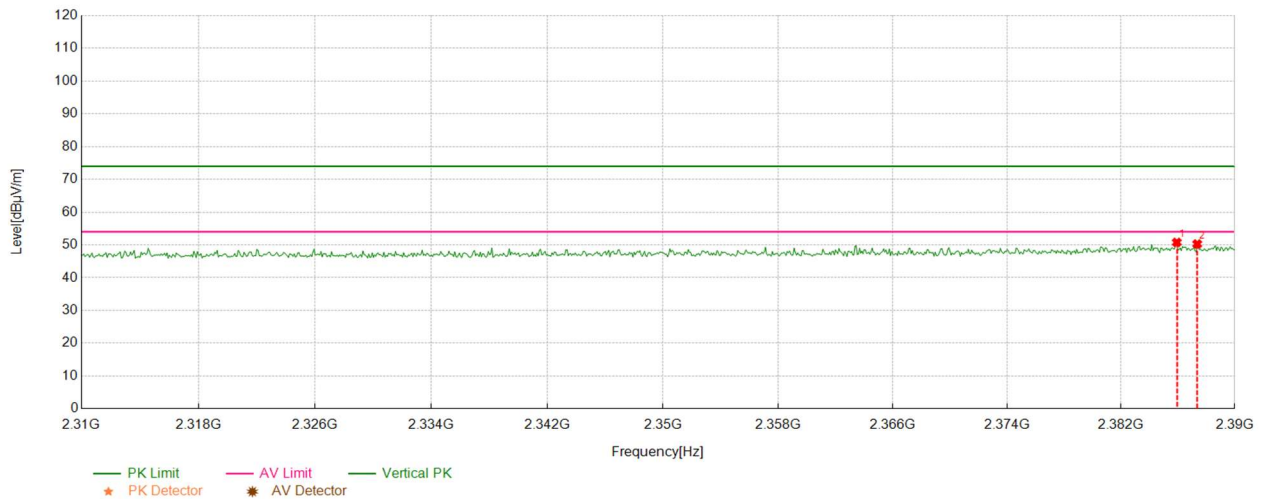
Test Report No.: EFGX25100120-IE-02-E02

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Mode:	11b	Channel:	2412 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-22 19:01:55

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2385.92	50.78	7.99	74.00	23.22	150	350	Vertical	PASS
2	2387.36	50.29	7.96	74.00	23.71	150	240	Vertical	PASS

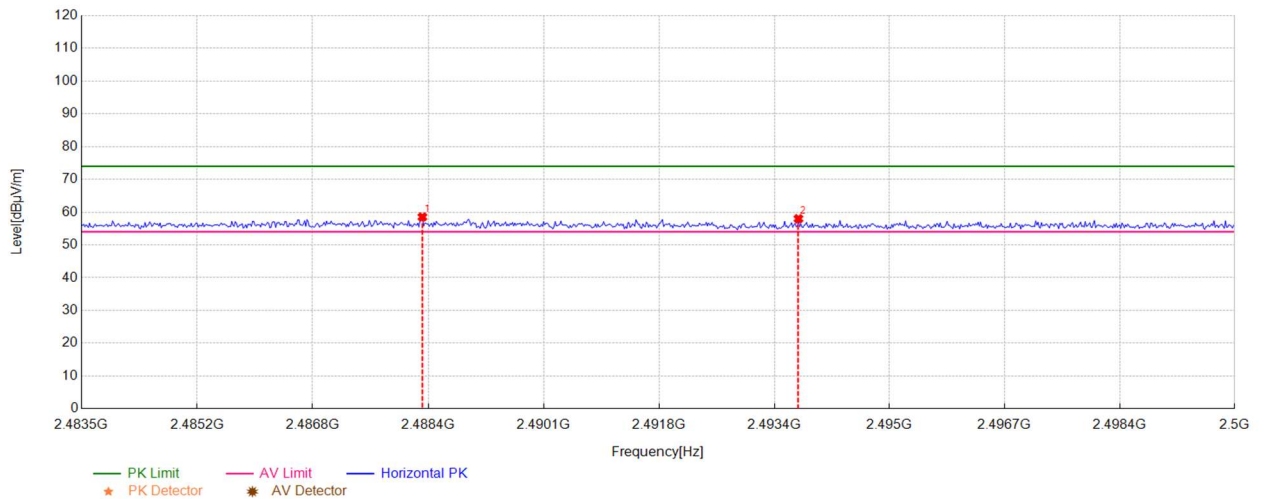
Test Report No.: EFGX25100120-IE-02-E02

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Mode:	11b	Channel:	2462 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-22 18:45:35

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2488.36	58.53	7.57	74.00	15.47	150	300	Horizontal	PASS
2	2493.74	57.99	7.67	74.00	16.01	150	260	Horizontal	PASS

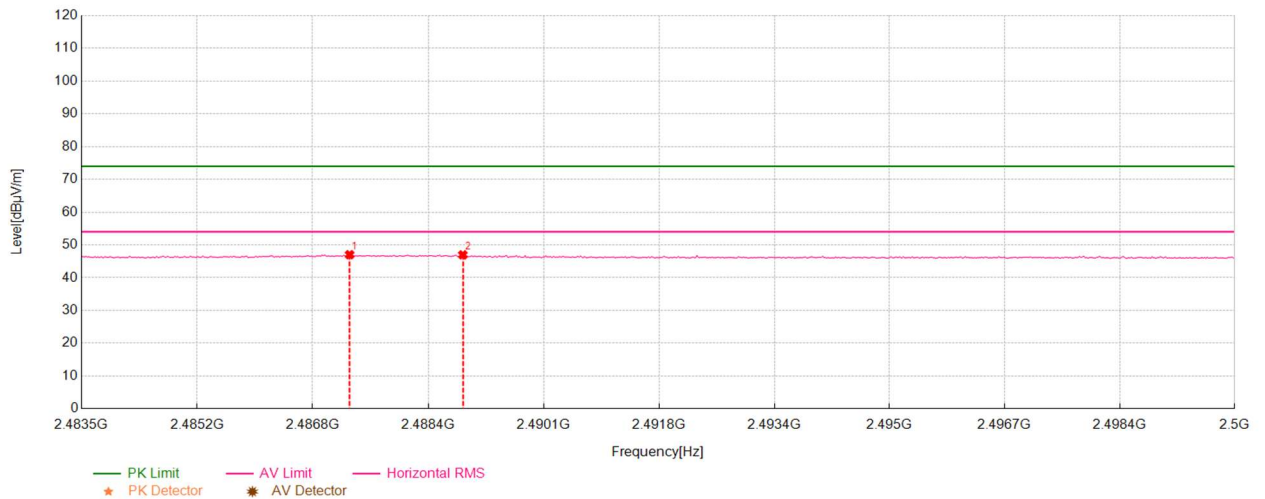
Test Report No.: EFGX25100120-IE-02-E02

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Mode:	11b	Channel:	2462 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-22 18:47:28

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2487.32	47.02	7.59	54.00	6.98	150	120	Horizontal	PASS
2	2488.94	46.97	7.64	54.00	7.03	150	210	Horizontal	PASS

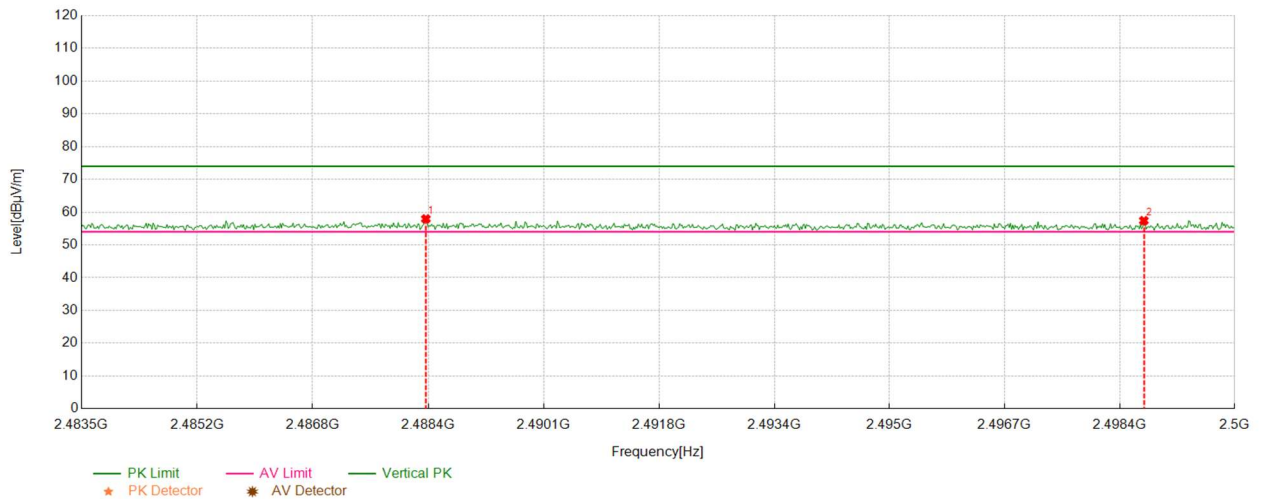
Test Report No.: EFGX25100120-IE-02-E02

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Mode:	11b	Channel:	2462 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-22 19:06:22

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2488.41	57.95	7.58	74.00	16.05	150	170	Vertical	PASS
2	2498.69	57.41	7.61	74.00	16.59	150	260	Vertical	PASS

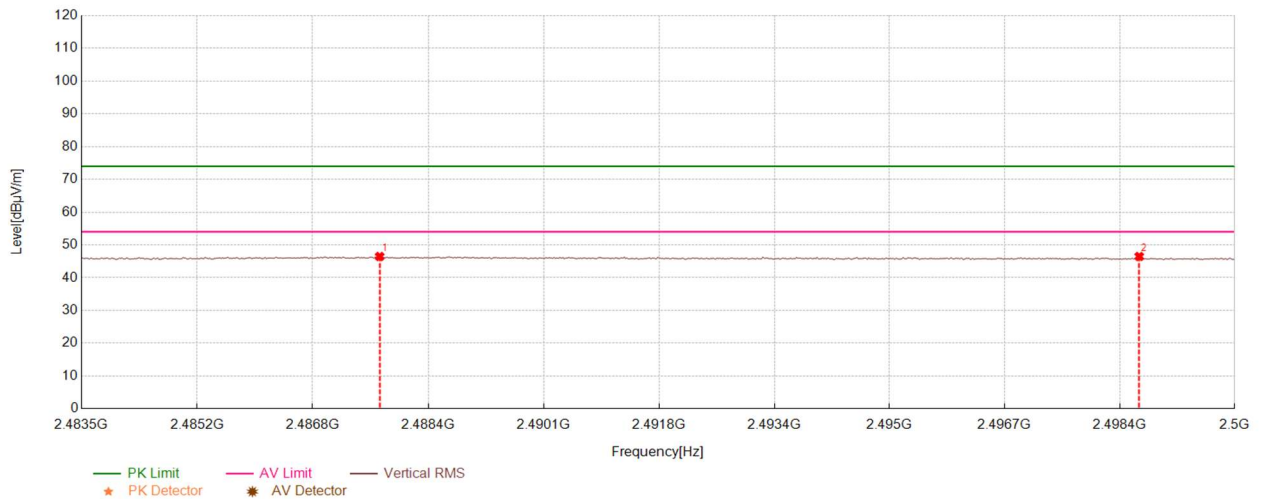
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Mode:	11b	Channel:	2462 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-22 19:07:16

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2487.75	46.47	7.56	54.00	7.53	150	120	Vertical	PASS
2	2498.63	46.48	7.62	54.00	7.52	150	10	Vertical	PASS

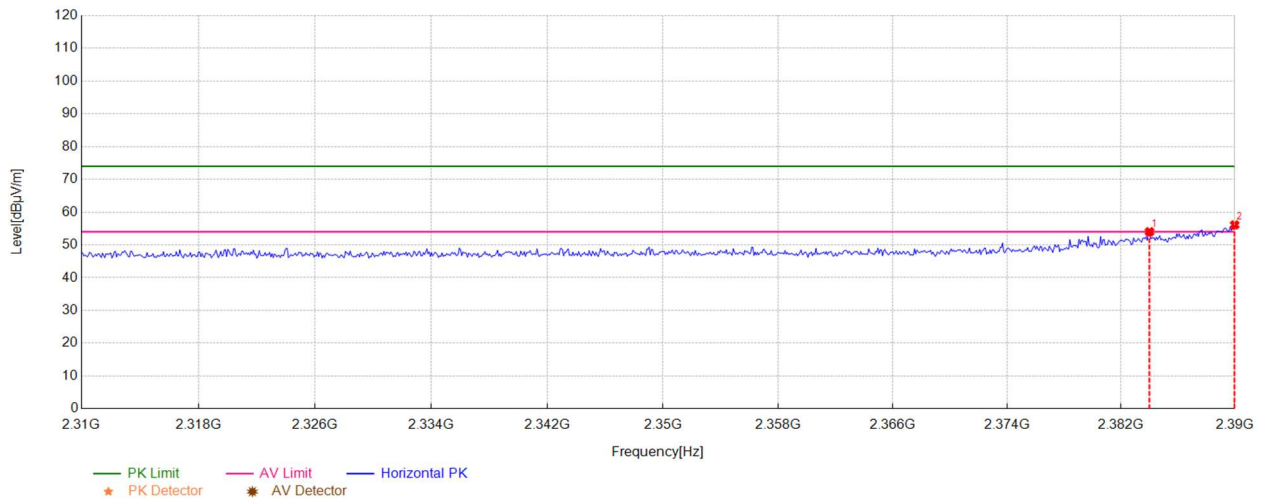
Test Report No.: EFGX25100120-IE-02-E02

EUROFINS ELECTRICAL TESTING SERVICE (SHENZHEN) CO., LTD.
Room 20 of 2/F., 1/F., Building 2, Spring Block & Room 102, Building 8, Autumn Block Meishenghuigu Innovation Park, No.83,
Dabao Road, Bao'an District Shenzhen, Guangdong, People's Republic of China

Mode:	11g	Channel:	2412 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-22 18:49:12

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2384	54.02	8.07	74.00	19.98	150	140	Horizontal	PASS
2	2390	56.12	8.28	74.00	17.88	150	180	Horizontal	PASS

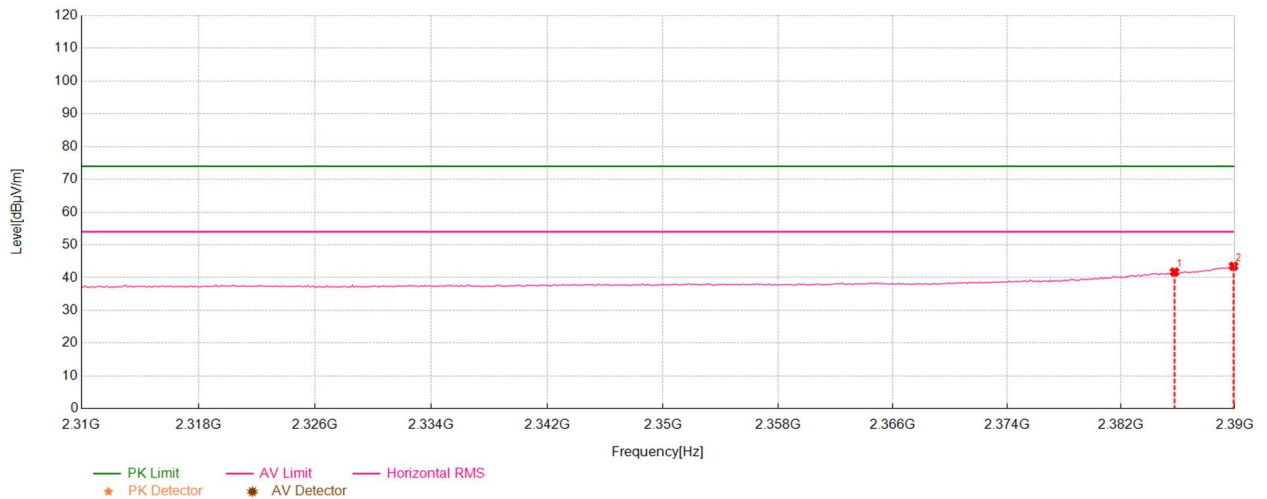
Test Report No.: EFGX25100120-IE-02-E02

EUROFINS ELECTRICAL TESTING SERVICE (SHENZHEN) CO., LTD.
Room 20 of 2/F., 1/F., Building 2, Spring Block & Room 102, Building 8, Autumn Block Meishenghuigu Innovation Park, No.83,
Dabao Road, Bao'an District Shenzhen, Guangdong, People's Republic of China

Mode:	11g	Channel:	2412 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-22 18:50:10

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2385.76	41.75	8.00	54.00	12.25	150	10	Horizontal	PASS
2	2389.92	43.52	8.27	54.00	10.48	150	200	Horizontal	PASS

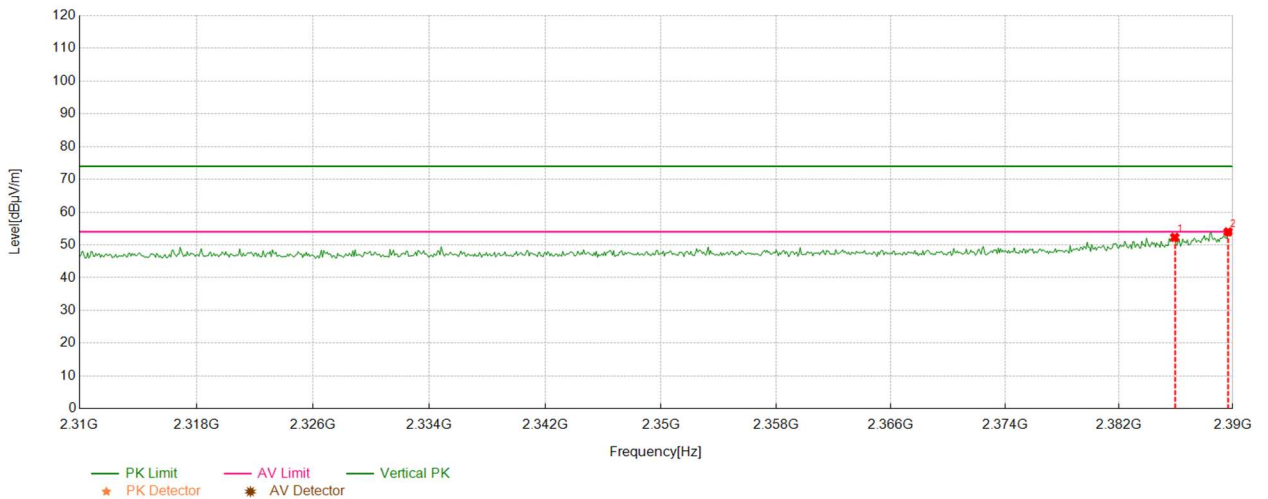
Test Report No.: EFGX25100120-IE-02-E02

EUROFINS ELECTRICAL TESTING SERVICE (SHENZHEN) CO., LTD.
Room 20 of 2/F., 1/F., Building 2, Spring Block & Room 102, Building 8, Autumn Block Meishenghuigu Innovation Park, No.83,
Dabao Road, Bao'an District Shenzhen, Guangdong, People's Republic of China

Mode:	11g	Channel:	2412 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-22 19:08:34

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2385.92	52.31	7.99	74.00	21.69	150	260	Vertical	PASS
2	2389.68	53.97	8.24	74.00	20.03	150	10	Vertical	PASS

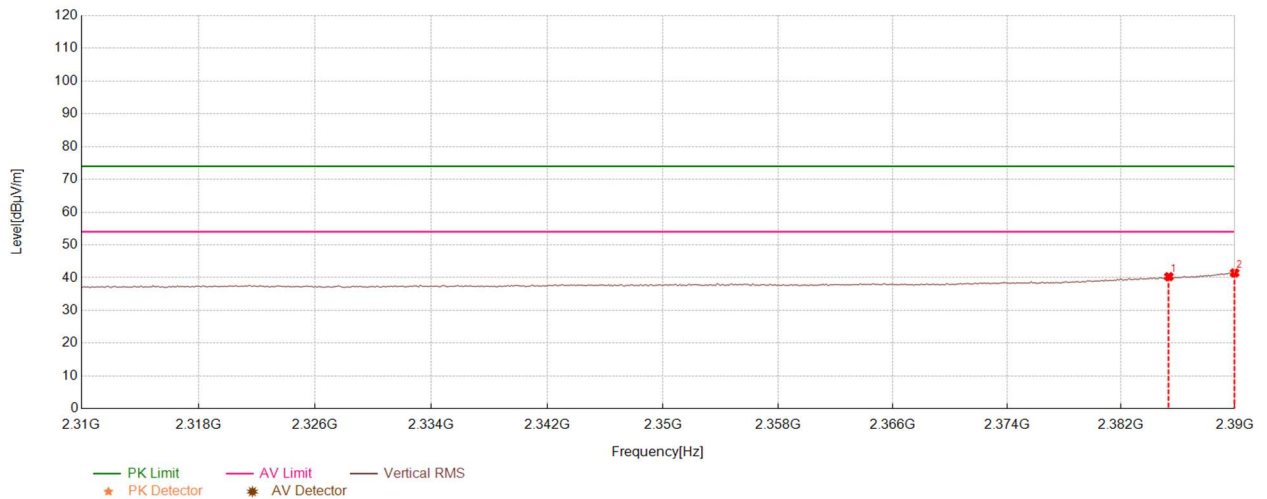
Test Report No.: EFGX25100120-IE-02-E02

EUROFINS ELECTRICAL TESTING SERVICE (SHENZHEN) CO., LTD.
Room 20 of 2/F., 1/F., Building 2, Spring Block & Room 102, Building 8, Autumn Block Meishenghuigu Innovation Park, No.83,
Dabao Road, Bao'an District Shenzhen, Guangdong, People's Republic of China

Mode:	11g	Channel:	2412 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-22 19:09:06

Test Graph



Suspected Data List									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2385.36	40.31	8.01	54.00	13.69	150	320	Vertical	PASS
2	2390	41.46	8.28	54.00	12.54	150	260	Vertical	PASS

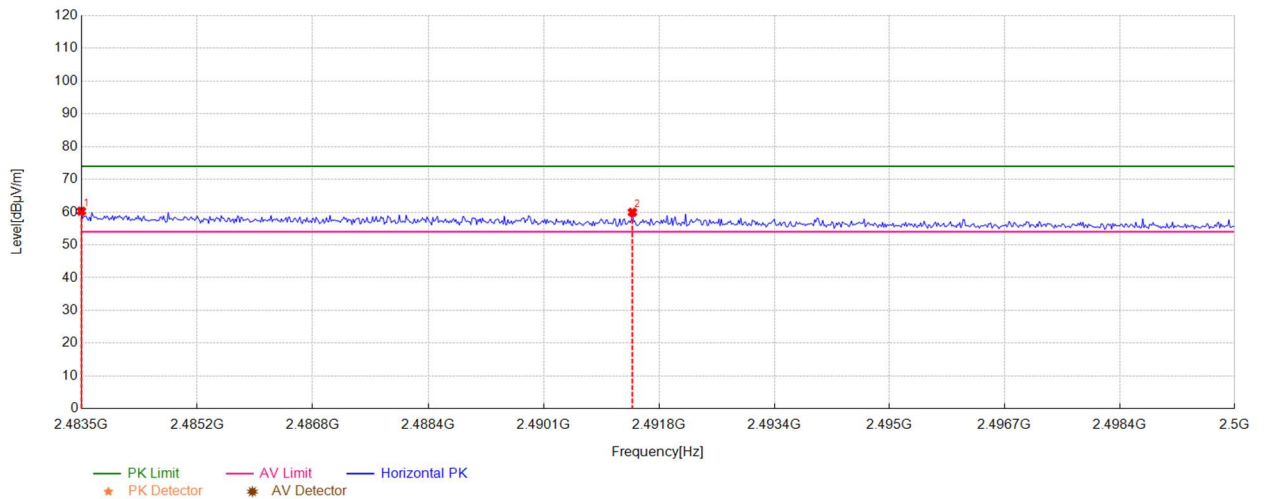
Test Report No.: EFGX25100120-IE-02-E02

EUROFINS ELECTRICAL TESTING SERVICE (SHENZHEN) CO., LTD.
Room 20 of 2/F., 1/F., Building 2, Spring Block & Room 102, Building 8, Autumn Block Meishenghuigu Innovation Park, No.83,
Dabao Road, Bao'an District Shenzhen, Guangdong, People's Republic of China

Mode:	11g	Channel:	2462 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-22 18:54:58

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	60.30	7.53	74.00	13.70	150	250	Horizontal	PASS
2	2491.37	59.96	7.64	74.00	14.04	150	180	Horizontal	PASS

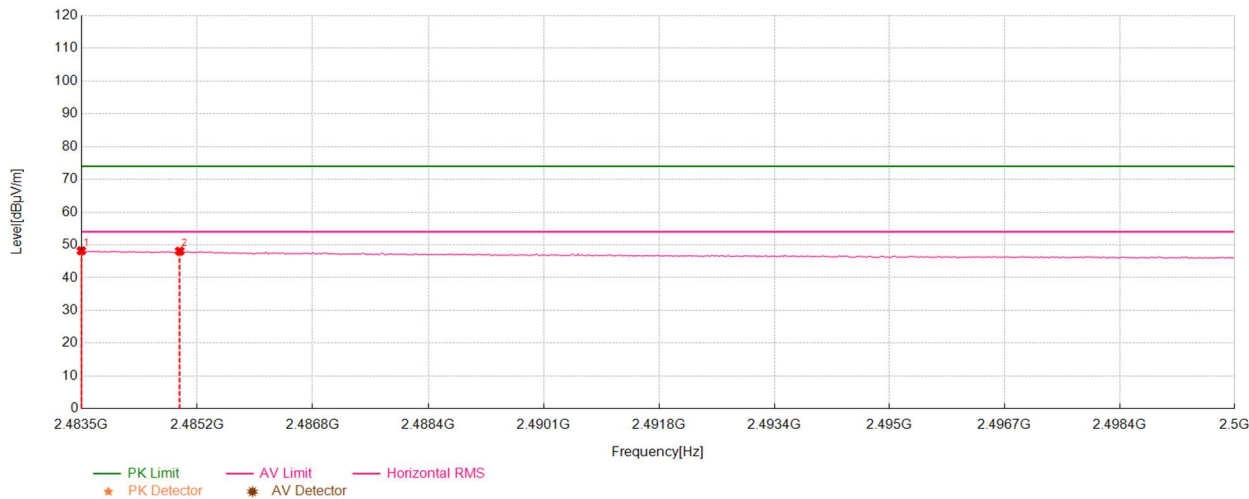
Test Report No.: EFGX25100120-IE-02-E02

EUROFINS ELECTRICAL TESTING SERVICE (SHENZHEN) CO., LTD.
Room 20 of 2/F., 1/F., Building 2, Spring Block & Room 102, Building 8, Autumn Block Meishenghuigu Innovation Park, No.83,
Dabao Road, Bao'an District Shenzhen, Guangdong, People's Republic of China

Mode:	11g	Channel:	2462 MHz
Antenna:	Ant1	State:	Tx

Start of Test: 2025-10-22 18:55:45

Test Graph



Suspected Data List									
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	48.22	7.53	54.00	5.78	150	280	Horizontal	PASS
2	2484.90	48.10	7.60	54.00	5.90	150	10	Horizontal	PASS