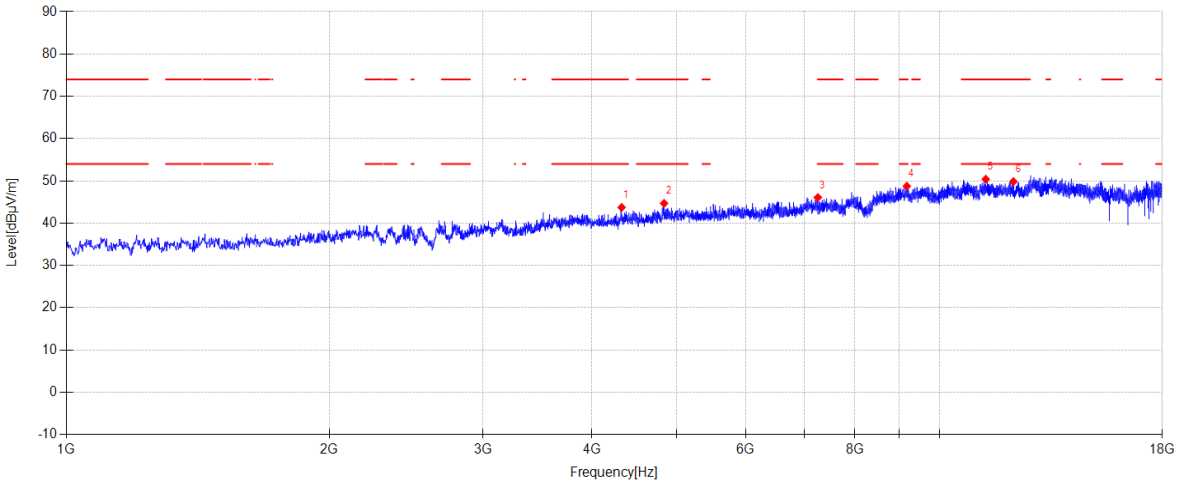
TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-14	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	MIMO TX 11N20 2437MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\20		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List

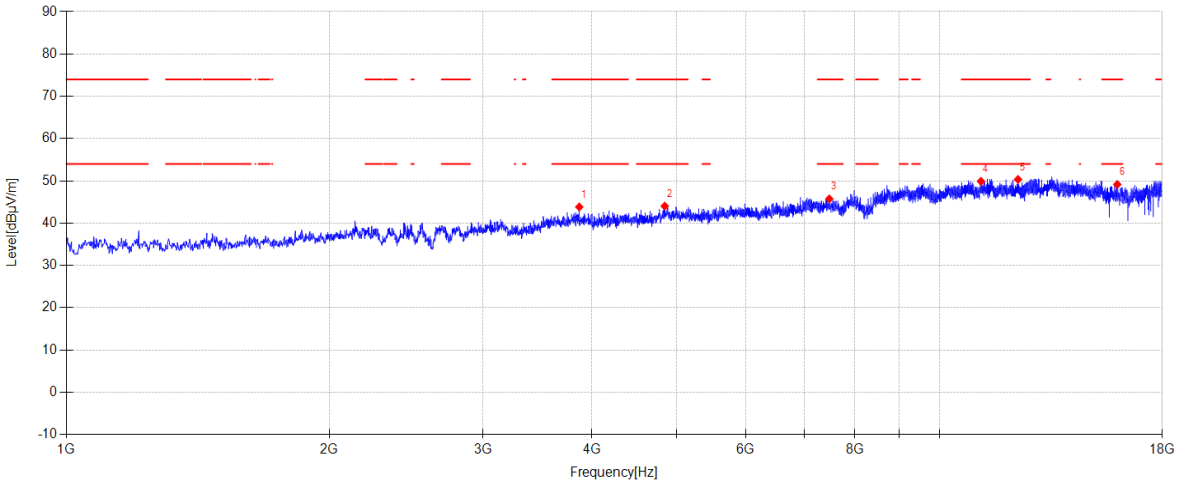
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4325.200	46.53	31.60	5.25	-39.65	43.73	74.00	30.27	PK	Horizontal
2	4836.900	45.28	33.46	5.55	-39.61	44.68	74.00	29.32	PK	Horizontal
3	7256.000	43.45	36.81	6.58	-40.77	46.07	74.00	27.93	PK	Horizontal
4	9175.300	41.78	38.55	7.36	-38.94	48.75	74.00	25.25	PK	Horizontal
5	11300.300	42.17	39.20	8.32	-39.30	50.39	74.00	23.61	PK	Horizontal
6	12153.700	41.67	39.30	8.84	-39.97	49.84	74.00	24.16	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-14	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	MIMO TX 11N20 2437MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\21		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List

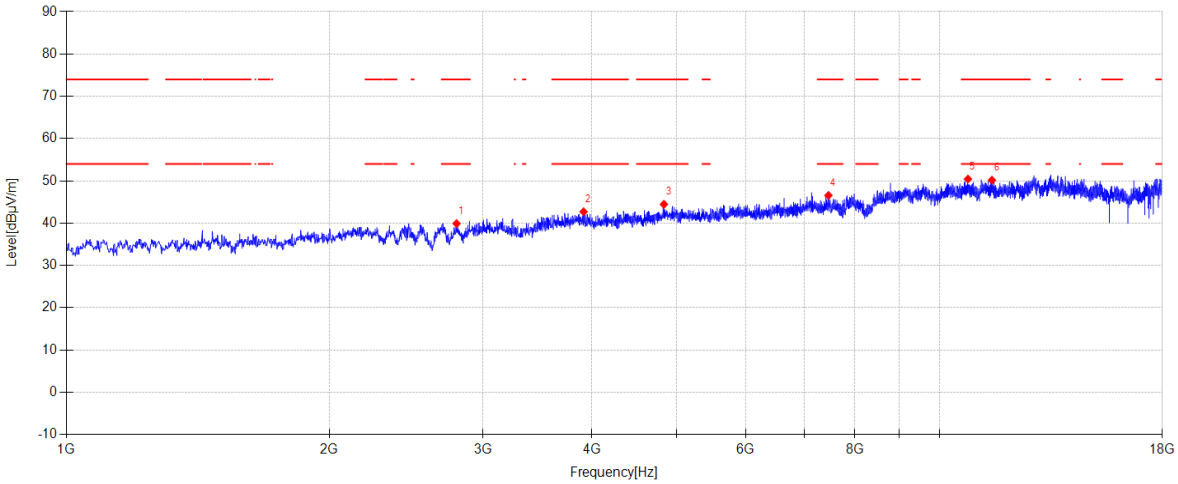
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3867.900	47.41	31.01	5.07	-39.65	43.84	74.00	30.16	PK	Vertical
2	4845.400	44.40	33.68	5.56	-39.61	44.03	74.00	29.97	PK	Vertical
3	7478.700	43.08	36.54	6.69	-40.57	45.74	74.00	28.26	PK	Vertical
4	11157.500	41.59	39.24	8.23	-39.16	49.90	74.00	24.10	PK	Vertical
5	12301.600	42.07	39.30	8.91	-39.94	50.34	74.00	23.66	PK	Vertical
6	15983.800	40.39	38.02	10.14	-39.40	49.15	74.00	24.85	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-14	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	MIMO TX 11N20 2462MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\22		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List

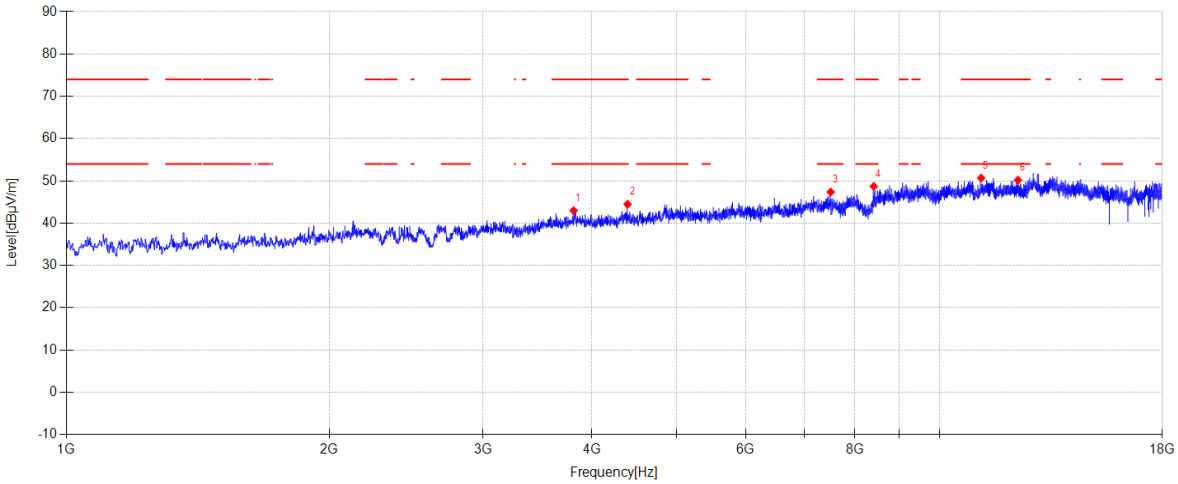
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2798.600	46.59	27.41	5.09	-39.19	39.90	74.00	34.10	PK	Horizontal
2	3912.100	46.12	31.18	5.06	-39.66	42.70	74.00	31.30	PK	Horizontal
3	4835.200	45.10	33.42	5.55	-39.61	44.46	74.00	29.54	PK	Horizontal
4	7461.700	43.87	36.58	6.68	-40.58	46.55	74.00	27.45	PK	Horizontal
5	10780.100	42.14	39.40	8.02	-39.13	50.43	74.00	23.57	PK	Horizontal
6	11483.900	41.99	39.22	8.43	-39.48	50.16	74.00	23.84	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-14	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	MIMO TX 11N20 2462MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\23		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3810.100	46.79	30.74	5.08	-39.63	42.98	74.00	31.02	PK	Vertical
2	4393.200	47.15	31.69	5.29	-39.65	44.48	74.00	29.52	PK	Vertical
3	7507.600	44.71	36.48	6.71	-40.54	47.36	74.00	26.64	PK	Vertical
4	8410.300	43.67	37.50	7.11	-39.57	48.71	74.00	25.29	PK	Vertical
5	11162.600	42.37	39.24	8.23	-39.16	50.68	74.00	23.32	PK	Vertical
6	12301.600	41.91	39.30	8.91	-39.94	50.18	74.00	23.82	PK	Vertical

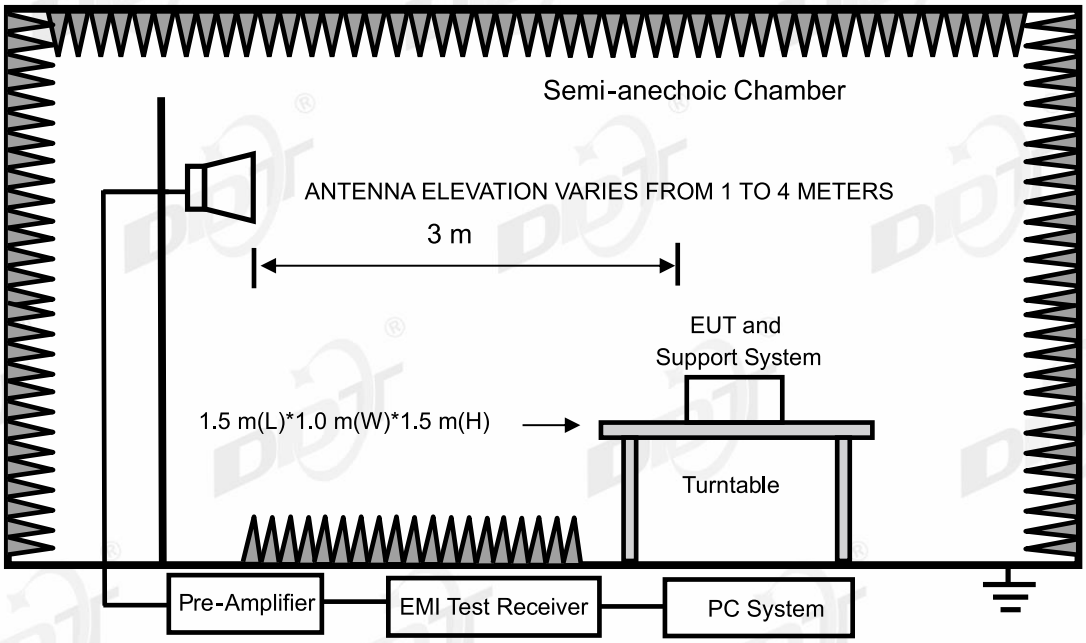
Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2025/03/31
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/03/31
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2025/04/22
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2025/04/22
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2025/08/25
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/03/31
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2025/09/18
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/03/31
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2025/03/31
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/03/31
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2025/04/22
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2025/07/11
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/26
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/03/31
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/03/31
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/

13.2. Block diagram of test setup



13.3. Limits

All restriction band should comply with 15.209 and RSS-Gen section 8.9 limits, other emission should be at least 20 dB below the fundamental.

13.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

13.5. Test procedure

Same with Radiated Emission except change investigated frequency range.

Remark: All restriction band have been tested, and only the worst case is shown in report. According to the results of the radiated Emission test, it can be judged that the Horizontal direction is the Worst case. Average level were measured with Spectrum Analyzer, and only the worst case is shown in report.

13.6. Test result

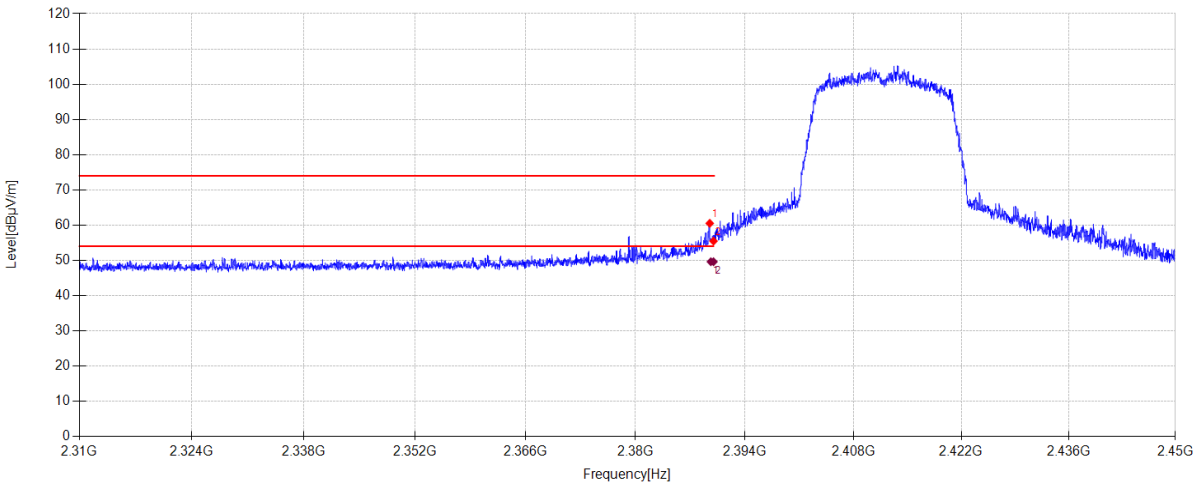
PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-15	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	MIMO TX 11N20 2412MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\24		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2389.520	29.69	27.26	3.57	0.00	60.52	74.00	13.48	PK	Horizontal
2	2390.000	24.66	27.26	3.57	0.00	55.49	74.00	18.51	PK	Horizontal

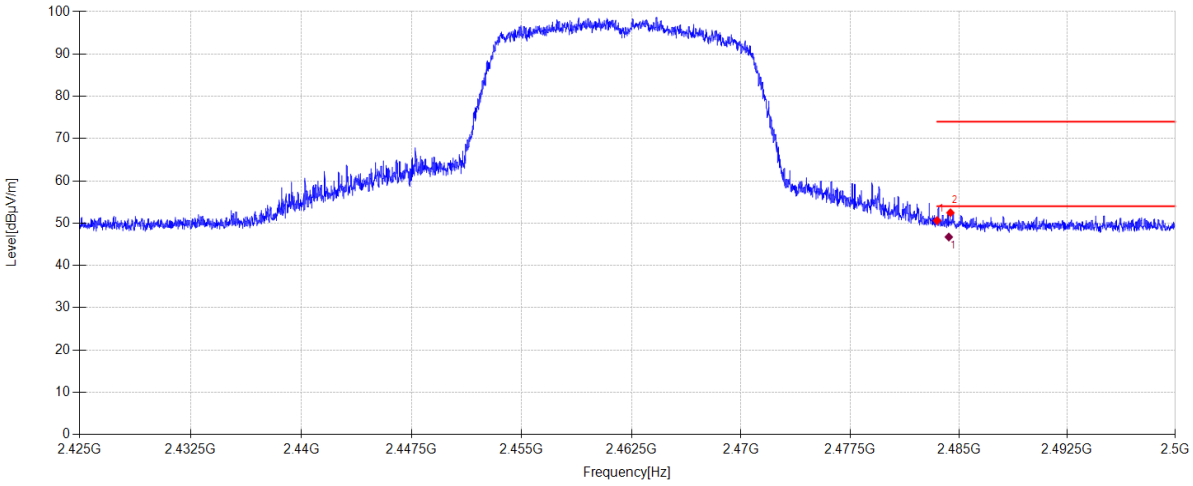
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2389.657	18.80	27.26	3.57	49.63	54.00	4.37	AV	Horizontal
2	2390.001	18.79	27.26	3.57	49.62	54.00	4.38	AV	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-15	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	MIMO TX 11N20 2462MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\25		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List										
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2483.500	19.45	27.53	3.62	0.00	50.60	74.00	23.40	PK	Horizontal
2	2484.423	21.31	27.54	3.62	0.00	52.47	74.00	21.53	PK	Horizontal

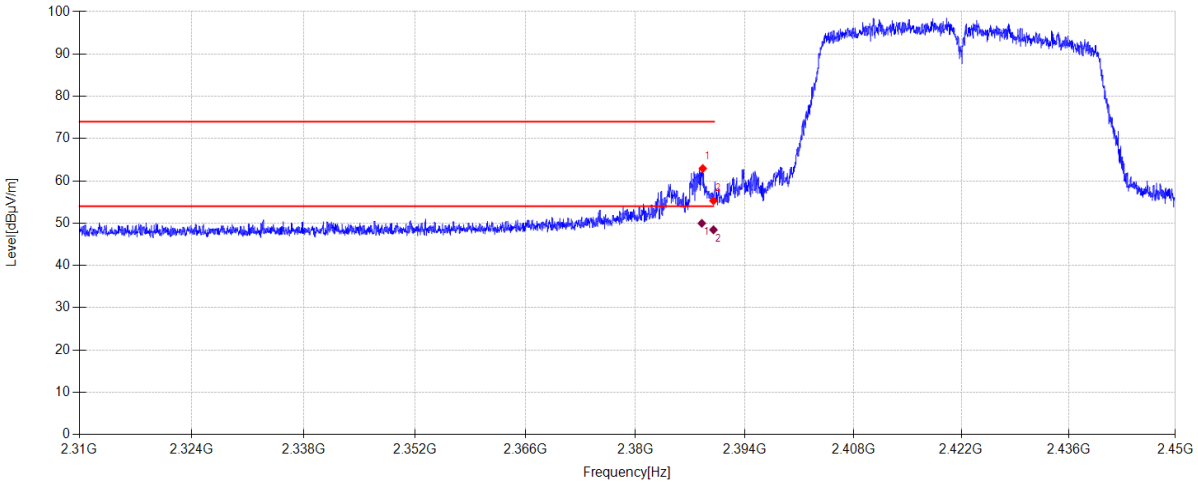
Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2484.311	15.56	27.54	3.62	46.72	54.00	7.28	AV	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-15	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	MIMO TX 11N40 2422MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\26		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List										
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2388.624	32.11	27.25	3.57	0.00	62.93	74.00	11.07	PK	Horizontal
2	2390.000	24.47	27.26	3.57	0.00	55.30	74.00	18.70	PK	Horizontal

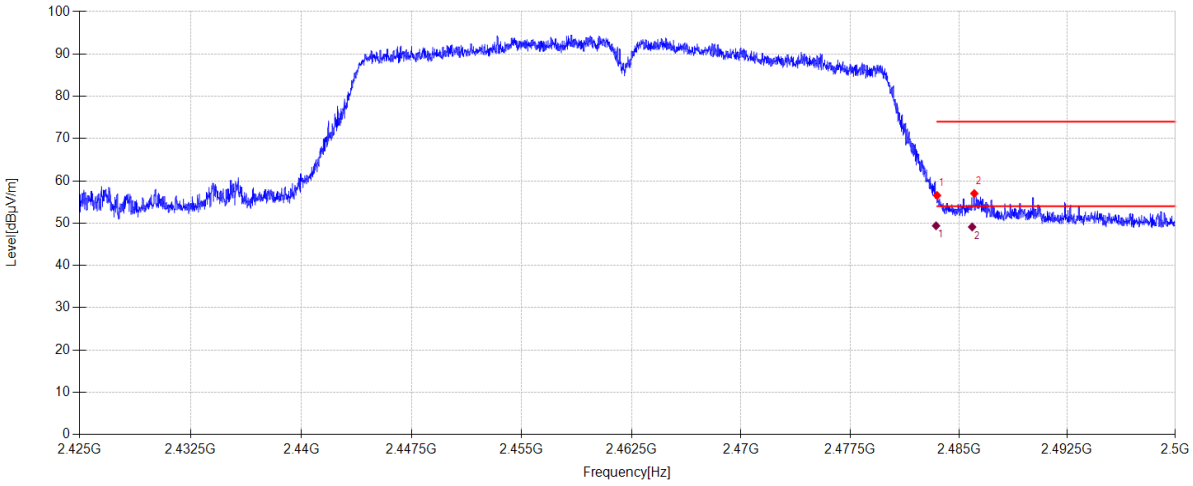
Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2388.501	19.15	27.25	3.57	49.97	54.00	4.03	AV	Horizontal
2	2389.998	17.60	27.26	3.57	48.43	54.00	5.57	AV	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-15	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	MIMO TX 11N40 2452MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\27		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	25.40	27.53	3.62	0.00	56.55	74.00	17.45	PK	Horizontal
2	2486.073	25.85	27.54	3.62	0.00	57.01	74.00	16.99	PK	Horizontal

Data List

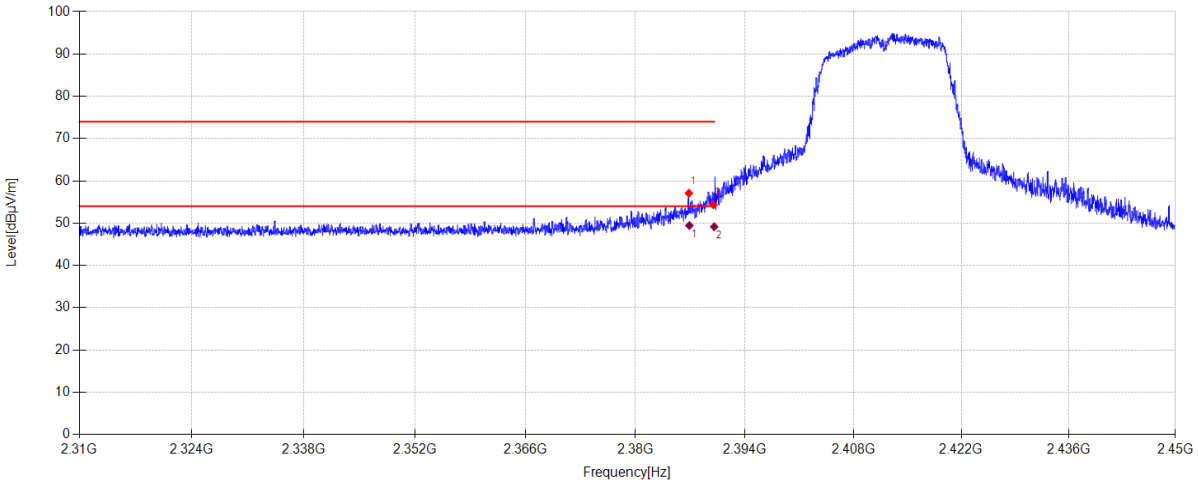
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.431	18.23	27.53	3.62	49.38	54.00	4.62	AV	Horizontal
2	2485.923	17.94	27.54	3.62	49.10	54.00	4.90	AV	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-15	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	ANT1 TX 11G 2412MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\28		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List										
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2386.846	26.26	27.25	3.57	0.00	57.08	74.00	16.92	PK	Horizontal
2	2390.000	23.52	27.26	3.57	0.00	54.35	74.00	19.65	PK	Horizontal

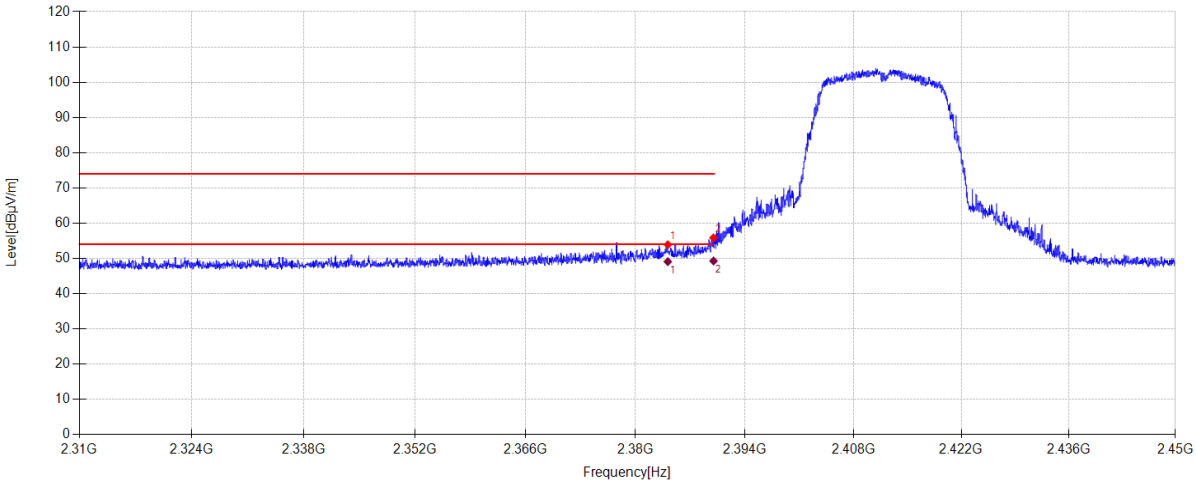
Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2386.905	18.62	27.25	3.57	49.44	54.00	4.56	AV	Horizontal
2	2390.087	18.31	27.26	3.57	49.14	54.00	4.86	AV	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-15	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	ANT2 TX 11G 2412MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\29		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2384.144	23.09	27.24	3.57	0.00	53.90	74.00	20.10	PK	Horizontal
2	2390.000	25.01	27.26	3.57	0.00	55.84	74.00	18.16	PK	Horizontal

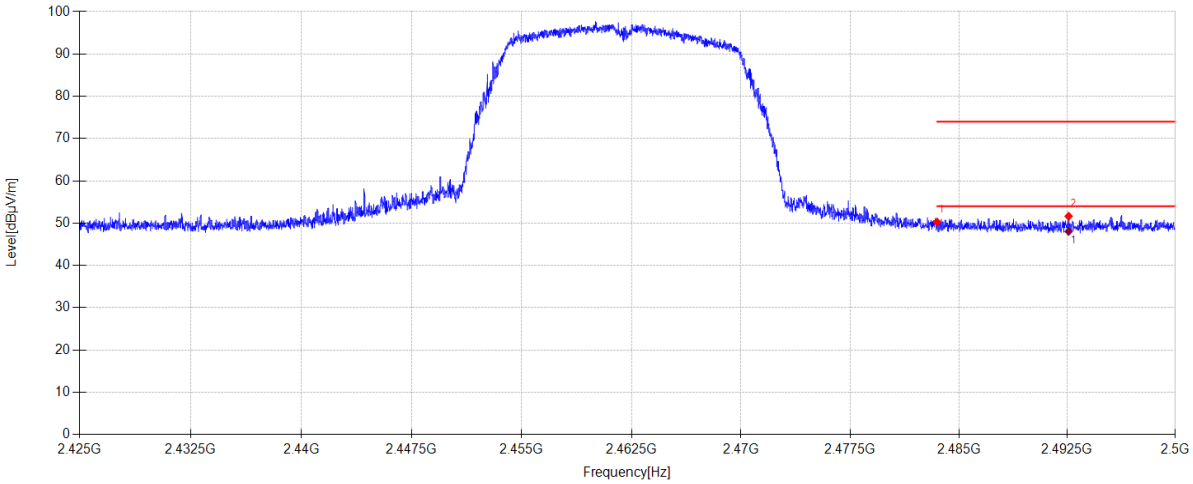
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2384.144	18.26	27.24	3.57	49.07	54.00	4.93	AV	Horizontal
2	2390.000	18.44	27.26	3.57	49.27	54.00	4.73	AV	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-15	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	ANT2 TX 11G 2462MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\30		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	19.11	27.53	3.62	0.00	50.26	74.00	23.74	PK	Horizontal
2	2492.598	20.44	27.57	3.63	0.00	51.64	74.00	22.36	PK	Horizontal

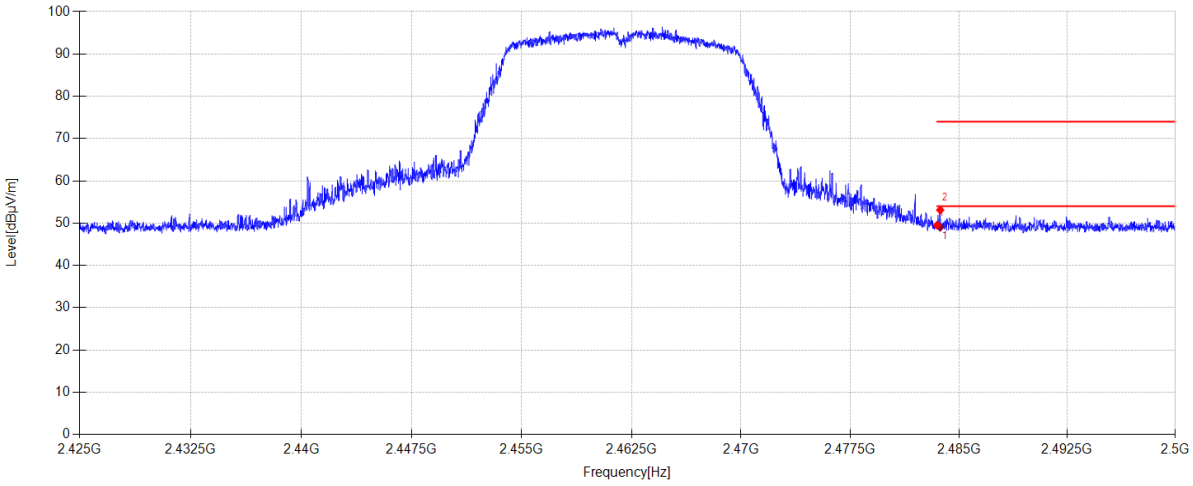
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2492.598	16.85	27.57	3.63	48.05	54.00	5.95	AV	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-15	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	ANT1 TX 11G 2462MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\31		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	18.38	27.53	3.62	0.00	49.53	74.00	24.47	PK	Horizontal
2	2483.718	21.97	27.53	3.62	0.00	53.12	74.00	20.88	PK	Horizontal

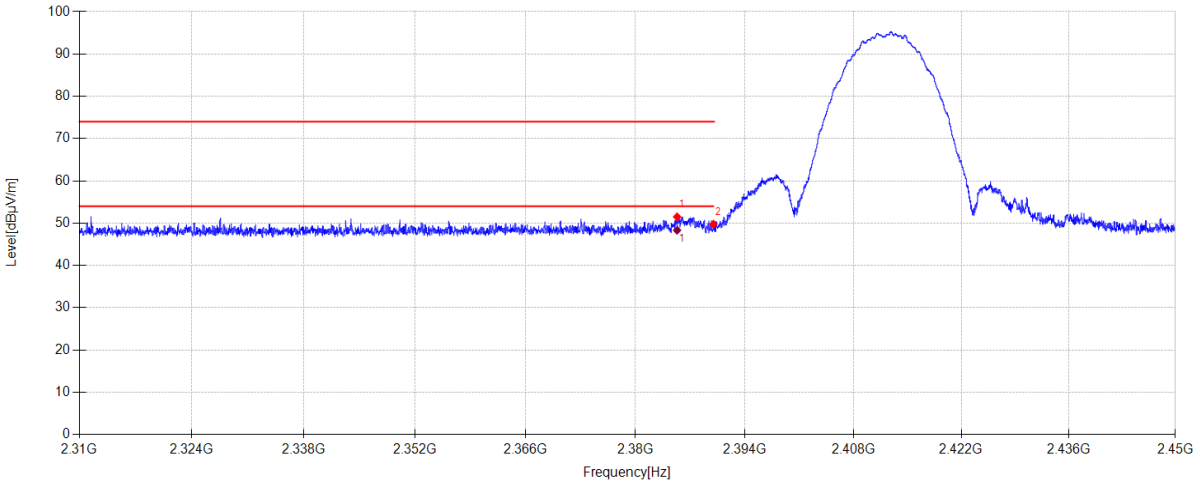
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.718	17.89	27.53	3.62	49.04	54.00	4.96	AV	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-15	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	ANT1 TX 11B 2412MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\32		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2385.334	20.68	27.24	3.57	0.00	51.49	74.00	22.51	PK	Horizontal
2	2390.000	18.92	27.26	3.57	0.00	49.75	74.00	24.25	PK	Horizontal

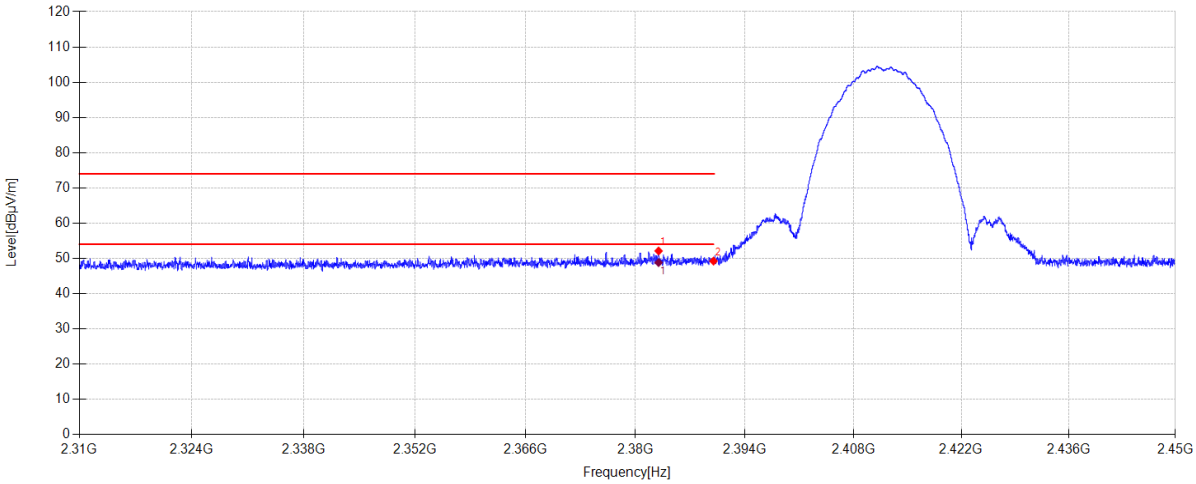
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2385.334	17.51	27.24	3.57	48.32	54.00	5.68	AV	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-15	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	ANT2 TX 11B 2412MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\33		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List										
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2382.968	21.32	27.23	3.56	0.00	52.11	74.00	21.89	PK	Horizontal
2	2390.000	18.41	27.26	3.57	0.00	49.24	74.00	24.76	PK	Horizontal

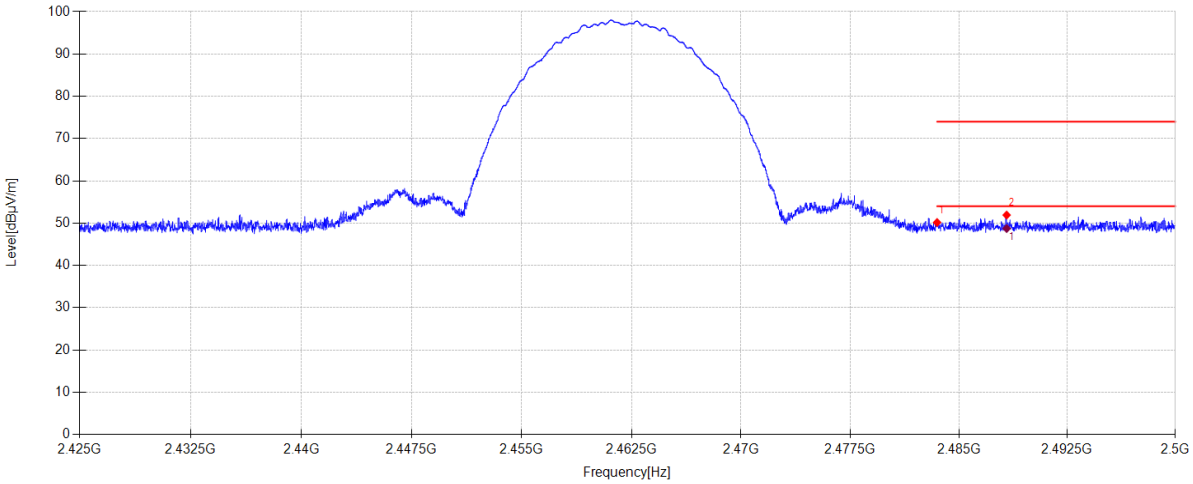
Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2382.968	18.02	27.23	3.56	48.81	54.00	5.19	AV	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-15	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	ANT2 TX 11B 2462MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\34		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	19.01	27.53	3.62	0.00	50.16	74.00	23.84	PK	Horizontal
2	2488.308	20.75	27.55	3.62	0.00	51.92	74.00	22.08	PK	Horizontal

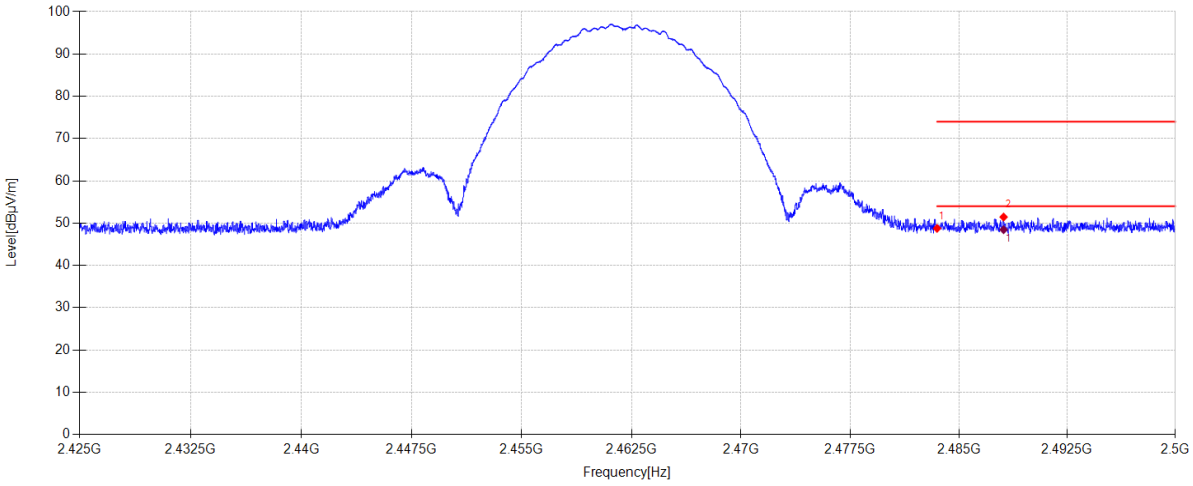
Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2488.308	17.56	27.55	3.62	48.73	54.00	5.27	AV	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-03-15	**Tested By**:	Lin Guoyaun
EUT:	Projector	**Model Number**:	WK03K
Test Mode:	ANT1 TX 11B 2462MHz Mode	**Power Supply**:	AC 120V/60Hz
Condition:	Temp:21.3°C;Humi:47.4%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011610-1E\FCC Above 1G 2.4G\35		
Memo:	Sample Numble:S25011610-004		

Test Graph



Data List										
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**AMP [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2483.500	17.62	27.53	3.62	0.00	48.77	74.00	25.23	PK	Horizontal
2	2488.098	20.28	27.55	3.62	0.00	51.45	74.00	22.55	PK	Horizontal

Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Antenna Factor [dB]**	**Cable loss [dB]**	**Level [dBµV/m]**	**Limit [dBµV/m]**	**Margin [dB]**	**Detector**	**Polarity**
1	2488.098	17.29	27.55	3.62	48.46	54.00	5.54	AV	Horizontal

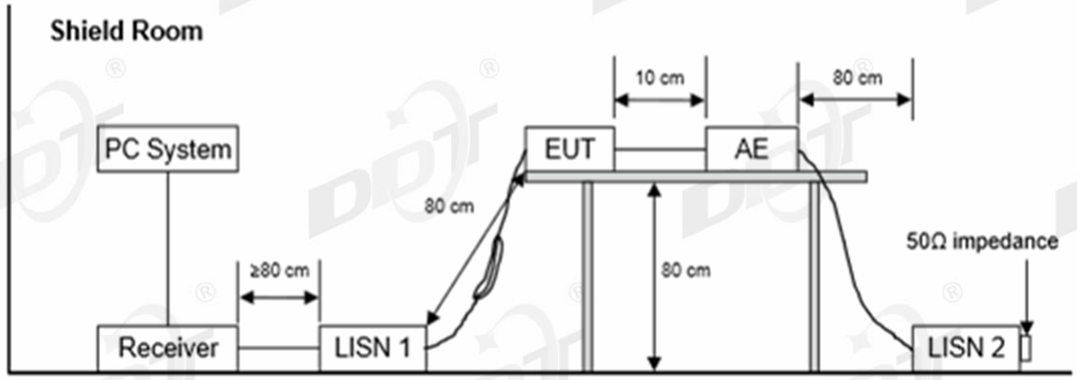
Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI Test Software	Audix/TW	e3	DDT-ZC01252	/
EMI Test Receiver	R&S	ESCI	DDT-ZC00235	2025/07/08
CE Cable 1	R&S	ESU8/RF2	DDT-ZC00566	2025/07/08
Artificial mains	R&S	ESH2-Z5	DDT-ZC00538	2025/07/08
Two Line V-Network	R&S	ENV216	DDT-ZC00535	2025/07/08
Pulse Limiter	SCHWARZBECK	ESH3-Z2	DDT-ZC00539	2025/07/08

14.2. Block diagram of test setup



14.3. Limits

Frequency	Quasi-Peak Level dB(uV)	Average Level dB(uV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

14.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
SWITCHING POWER SUPPLY	Huizhou Golden Lake Industrial Co.,Ltd.	S065ARU2000325	/	Input: 100-240V~ 50/60Hz, Output: 5V/3A or 9V/3A or 12V/3A or 15V/3A or 20V/3.25A

14.5. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.
The bandwidth of test receiver is set at 9 kHz.

14.6. Test result

PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: "-----" means Peak detection; "-----" means Average detection.

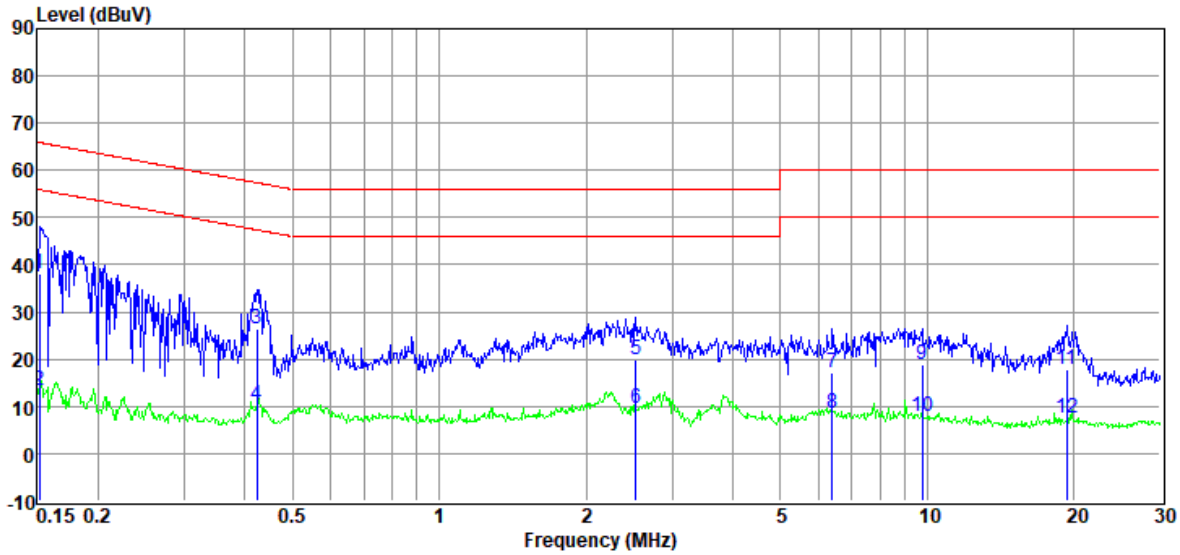
Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site	: DDT 1# Shield Room	D:\2025 CE report data\Q25011610-1E\CE.EM6	
Test Date	: 2025-03-27	**Tested By**	: Nelson Peng
EUT	: Projector	**Model Number**	: WK03K
Power Supply	: AC 120V/60Hz	**Test Mode**	: 2.4GWFI Mode
Condition	: TEMP:23.1°C, RH:63.8	**LISN**	: 2024 1# ENV216/LINE
Memo	:		

Data: 14



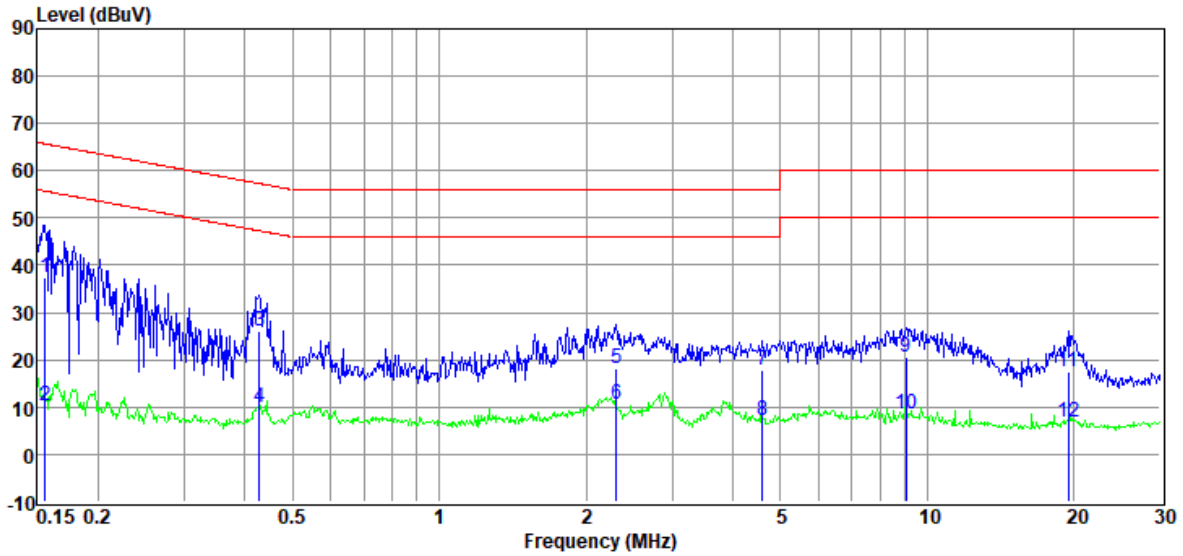
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.15	18.29	9.90	0.11	9.86	38.16	65.91	-27.75	QP	LINE
2	0.15	-6.48	9.90	0.11	9.86	13.39	55.91	-42.52	Average	LINE
3	0.42	6.62	9.83	0.09	9.86	26.40	57.37	-30.97	QP	LINE
4	0.42	-9.65	9.83	0.09	9.86	10.13	47.37	-37.24	Average	LINE
5	2.53	0.37	9.75	0.05	9.86	20.03	56.00	-35.97	QP	LINE
6	2.53	-10.08	9.75	0.05	9.86	9.58	46.00	-36.42	Average	LINE
7	6.39	-2.68	9.77	0.08	9.90	17.07	60.00	-42.93	QP	LINE
8	6.39	-11.09	9.77	0.08	9.90	8.66	50.00	-41.34	Average	LINE
9	9.76	-1.13	9.80	0.13	9.98	18.78	60.00	-41.22	QP	LINE
10	9.76	-12.10	9.80	0.13	9.98	7.81	50.00	-42.19	Average	LINE
11	19.33	-2.41	10.04	0.15	9.96	17.74	60.00	-42.26	QP	LINE
12	19.33	-12.54	10.04	0.15	9.96	7.61	50.00	-42.39	Average	LINE

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site	:	DDT 1# Shield Room	D:\2025 CE report data\Q25011610-1E\CE.EM6		
Test Date	:	2025-03-27	**Tested By**	:	Nelson Peng
EUT	:	Projector	**Model Number**	:	WK03K
Power Supply	:	AC 120V/60Hz	**Test Mode**	:	2.4GWIFI Mode
Condition	:	TEMP:23.1°C, RH:63.8	**LISN**	:	2024 1# ENV216/NEUTRAL
Memo	:				

Data: 16



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.16	17.88	9.65	0.11	9.86	37.50	65.69	-28.19	QP	NEUTRAL
2	0.16	-9.34	9.65	0.11	9.86	10.28	55.69	-45.41	Average	NEUTRAL
3	0.43	6.36	9.76	0.09	9.86	26.07	57.29	-31.22	QP	NEUTRAL
4	0.43	-9.88	9.76	0.09	9.86	9.83	47.29	-37.46	Average	NEUTRAL
5	2.31	-1.55	9.67	0.05	9.87	18.04	56.00	-37.96	QP	NEUTRAL
6	2.31	-9.00	9.67	0.05	9.87	10.59	46.00	-35.41	Average	NEUTRAL
7	4.60	-1.83	9.66	0.05	9.85	17.73	56.00	-38.27	QP	NEUTRAL
8	4.60	-12.35	9.66	0.05	9.85	7.21	46.00	-38.79	Average	NEUTRAL
9	9.06	0.81	9.73	0.12	9.96	20.62	60.00	-39.38	QP	NEUTRAL
10	9.06	-11.39	9.73	0.12	9.96	8.42	50.00	-41.58	Average	NEUTRAL
11	19.43	-2.62	9.91	0.15	9.96	17.40	60.00	-42.60	QP	NEUTRAL
12	19.43	-13.35	9.91	0.15	9.96	6.67	50.00	-43.33	Average	NEUTRAL

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

16. Photos of the EUT

Please refer to DDT-Q25011610-2E appendix Ⅰ

----------End Report----------