



FCC RF Test Report

Report No.: JYTSZ-R12-2400421
Applicant: Voxx Electronics Corporation
Address of Applicant: 2365 Pontiac Road, Auburn Hills, Michigan 48326 - USA
Equipment Under Test (EUT)
Product Name: KiB Ekey
Model No.: 1412VD
Trade Mark: N/A
FCC ID: EZS1412VD
Applicable Standards: FCC CFR Title 47 Part 15C (§15.231)
Date of Sample Receipt: 17 Apr., 2024
Date of Test: 18 Apr., to 09 Jul., 2024
Date of Report Issue: 15 Jul., 2024
Test Result: PASS

Tested by:

James Ding
Project Engineer

Date:

15 Jul., 2024

Reviewed by:

Hetao Chang
Senior Engineer

Date:

15 Jul., 2024

Approved by:

James Wei
Manager

Date:

15 Jul., 2024

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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1 Version

Version No.	Date	Description
00	26 Jun., 2024	Original
01	09 Jul., 2024	Updated reports on pages 4, 13, 22, 31, 32, 35, and 36.
02	15 Jul., 2024	Updated reports on page 37.

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3 General Information

3.1 Client Information

Applicant:	Voxx Electronics Corporation
Address:	2365 Pontiac Road, Auburn Hills, Michigan 48326 - USA
Manufacturer:	Nutek Coropration
Address:	no. 167, Lane 235, Bauchiau Rd, Xindian District, New Taeipi City 23145, Taiwan
Factory:	Voxx Automotive Corporation
Address:	2351 J. Lawson Blvd, Orlando, FL 32824 - USA

3.2 General Description of E.U.T.

Product Name:	KiB Ekey
Model No.:	1412VD
Operation Frequency:	312.1MHz~315.12MHz; 433.58MHz~433.92MHz; 902.365MHz~903.417MHz
Channel Numbers:	1
Modulation Type:	FSK, OOK
Antenna Type:	PCB Antenna
Antenna Gain:	-9.7dBi (declare by Applicant)
Power Supply:	DC 12V
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

3.3 Test Mode and Environment

Test Mode:					
Transmitting mode:		Keep the EUT in transmitting mode with modulation			
Remark: The EUT was placed on three different polar directions tested: i.e. X axis, Y axis, Z axis, and found the test results are both the “worst case” and “worst setup”: Y axis, so the report only reflects the test data of worst mode.					
Operation Frequency each of channel					
Channel	Frequency(MHz)	Modulation	Channel	Frequency(MHz)	Modulation
1	312.10	FSK	15	315.10	FSK
2	312.50	FSK	16	315.12	FSK
3	313.25	FSK	17	433.58	FSK
4	313.45	FSK	18	433.64	FSK
5	313.55	FSK	19	433.873	FSK
6	313.85	FSK	20	433.92	FSK and OOK
7	314.00	FSK	21	433.97	FSK
8	314.01	FSK	22	433.98	FSK
9	314.15	FSK	23	434.30	FSK
10	314.35	FSK	24	902.365	FSK
11	314.90	FSK	25	903.417	FSK
12	314.975	FSK			
13	315.00	FSK and OOK			
14	315.014	FSK			
Remark: 1. Selected channel No.13 and No.20 to perform the test for FSK and OOK mode. 2. Selected 312.10MHz, 902.35MHz Frequency to perform the test for FSK mode.					
Operating Environment:					
Temperature:		15℃ ~ 35℃			
Humidity:		20 % ~ 75 % RH			
Atmospheric Pressure:		1008 mbar			
Test Engineer:		Lucas Ding (Conducted measurement) Kiran Zeng (Radiated measurement)			

3.4 Description of Test Auxiliary Equipment

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
N/A	N/A	N/A	N/A	N/A

3.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Radiated Emission (30MHz ~ 200MHz) (3m SAC)	4.6 dB
Radiated Emission (200MHz ~ 1000MHz) (3m SAC)	5.8 dB
Radiated Emission (1GHz ~ 6GHz) (3m FAR)	4.95 dB
Radiated Emission (6GHz ~ 18GHz) (3m FAR)	5.23 dB
Remark: All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.	

3.6 Additions to, Deviations, or Exclusions From the Method

No

3.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

● **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

● **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

● **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

3.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

3.9 Test Instruments List

Radiated Emission(3m SAC):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	WXJ001-1	04-14-2021	04-13-2026
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	01-09-2024	01-08-2025
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	01-05-2024	01-04-2025
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	12-27-2023	12-26-2024
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXJ001-3	12-27-2023	12-26-2024
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	12-27-2023	12-26-2024
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-27-2023	12-26-2024
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-17-2024	01-16-2025
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	01-17-2024	01-16-2025
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Radiated Emission(3m FAR):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m FAR	YUNYI	9m*6m*6m	WXJ097	06-15-2023	06-14-2028
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ097-2	07-13-2023	07-12-2024
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ097-3	07-14-2023	07-13-2024
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	12-28-2023	12-27-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	12-28-2023	12-27-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-6	12-28-2023	12-27-2024
Pre-amplifier (30MHz ~ 1GHz)	YUNYI	PAM-310N	WXJ097-5	05-14-2023	05-13-2024
				04-24-2024	04-23-2025
Pre-amplifier (1GHz ~ 18GHz)	YUNYI	PAM-118N	WXJ097-6	05-14-2023	05-13-2024
				04-24-2024	04-23-2025
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	12-28-2023	12-27-2024
EMI Test Receiver	Rohde & Schwarz	ESCI3	WXJ003	12-27-2023	12-26-2024
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-27-2023	12-26-2024
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ081-1	06-13-2023	06-12-2024
				06-11-2024	06-10-2025
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-13M	WXG097-1	08-01-2023	07-31-2024
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG097-2	08-01-2023	07-31-2024
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG097-3	08-01-2023	07-31-2024
High Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Low Band Reject Filter Group	Tonscend	JS0806-F	WXJ097-4	N/A	
Test Software	Tonscend	TS+	Version: 5.0.0		

Conducted Method:					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
Spectrum Analyzer	Keysight	N9010B	WXJ004-3	11-01-2023	10-31-2024
DC Power Supply	Keysight	E3642A	WXJ025-2	N/A	

4 Measurement Setup and Procedure

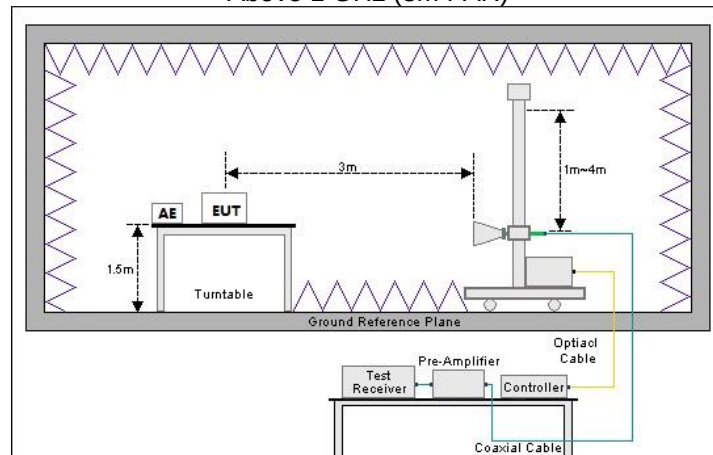
4.1 Test Setup

Radiated emission measurement:

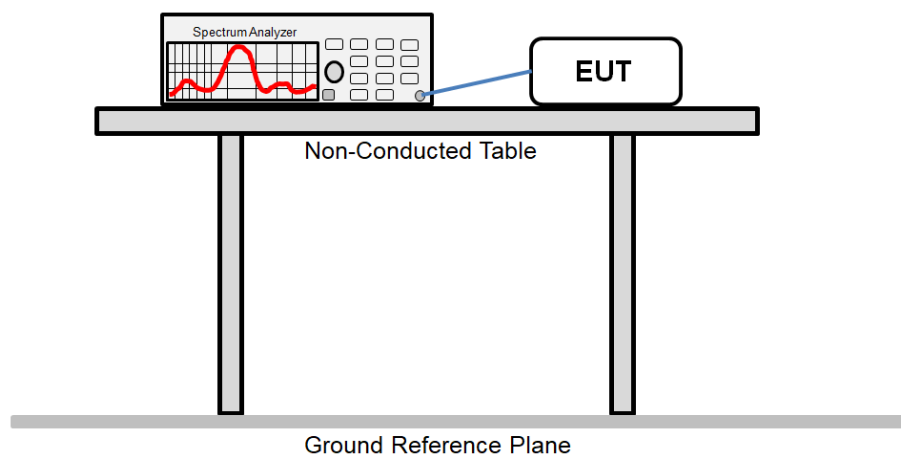
30 MHz – 1000 MHz (3m SAC)



Above 1 GHz (3m FAR)



Conducted test method:



4.2 Test Procedure

Test method	Test step
Radiated emission	1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
Conducted test method	1. The antenna port of EUT was connected to the RF port of the spectrum analyzer through an RF cable. 2. The EUT is keeping in continuous transmission mode and tested in all modulation modes. 3. The test data is saved by the screenshot function of the spectrum analyzer.

5 Test Results

5.1 Summary

5.1.1 Clause and Data Summary

Test items	Standard clause	Test data	Result
Antenna Requirement	15.203	See Section 5.2	Pass
AC Power Line Conducted Emission	15.207	N/A	N/A
20dB Bandwidth	15.231 (c)	See Section 5.3	Pass
Field Strength of Fundamental	15.231 (b)	See Section 5.4	Pass
Field Strength of Spurious Emissions	15.209 15.231 (b)	See Section 5.5	Pass
Duration Time	15.231 (a)(1)	See Section 5.6	Pass
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. N/A: Not Applicable.			
Test Method:	ANSI C63.4-2014 ANSI C63.10-2013		

5.1.2 Test Limit

Test items	Limit																																												
20dB Bandwidth	The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.																																												
Field Strength of Fundamental Field Strength of Spurious Emissions	<table><tr><th>Fundamental Frequency (MHz)</th><th>Field strength of fundamental (microvolts/meter)</th><th>Field strength of spurious emissions (microvolts/meter)</th></tr><tr><td>40.66 – 40.70</td><td>2250</td><td>225</td></tr><tr><td>70.00 – 130.00</td><td>1250</td><td>125</td></tr><tr><td>130.00 – 174.00</td><td>¹1250 to 3750</td><td>¹125 to 375</td></tr><tr><td>174.00 – 260.00</td><td>3750</td><td>375</td></tr><tr><td>260.00 – 470.00</td><td>¹3750 to 12500</td><td>¹375 to 1250</td></tr><tr><td>Above 470.00</td><td>12500</td><td>1250</td></tr></table> ¹Linear interpolations. (1) The above field strength limits are specified at a distance of 3 meters. The tighter limits apply at the band edges. (2) Intentional radiators operating under the provisions of this section shall demonstrate compliance with the limits on the field strength of emissions, as shown in the above table, based on the average value of the measured emissions. As an alternative, compliance with the limits in the above table may be based on the use of measurement instrumentation with a CISPR quasi-peak detector. The specific method of measurement employed shall be specified in the application for equipment authorization. If average emission measurements are employed, the provisions in § 15.35 for averaging pulsed emissions and for limiting peak emissions apply. Further, compliance with the provisions of § 15.205 shall be demonstrated using the measurement instrumentation specified in that section. (3) The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in § 15.209, whichever limit permits a higher field strength: <table><tr><th>Frequency (MHz)</th><th>Limit (dBµV/m) @ 3m</th><th>Detector</th></tr><tr><td>30 – 88</td><td>40.0</td><td>Quasi-peak</td></tr><tr><td>88 – 216</td><td>43.5</td><td>Quasi-peak</td></tr><tr><td>216 – 960</td><td>46.0</td><td>Quasi-peak</td></tr><tr><td>960 – 1000</td><td>54.0</td><td>Quasi-peak</td></tr></table> Note: The more stringent limit applies at transition frequencies. <table><tr><th rowspan="2">Frequency</th><th colspan="2">Limit (dBµV/m) @ 3m</th></tr><tr><th>Average</th><th>Peake</th></tr><tr><td>Above 1 GHz</td><td>54.0</td><td>74.0</td></tr></table> Note: The measurement bandwidth shall be 1 MHz or greater.	Fundamental Frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emissions (microvolts/meter)	40.66 – 40.70	2250	225	70.00 – 130.00	1250	125	130.00 – 174.00	¹ 1250 to 3750	¹ 125 to 375	174.00 – 260.00	3750	375	260.00 – 470.00	¹ 3750 to 12500	¹ 375 to 1250	Above 470.00	12500	1250	Frequency (MHz)	Limit (dBµV/m) @ 3m	Detector	30 – 88	40.0	Quasi-peak	88 – 216	43.5	Quasi-peak	216 – 960	46.0	Quasi-peak	960 – 1000	54.0	Quasi-peak	Frequency	Limit (dBµV/m) @ 3m		Average	Peake	Above 1 GHz	54.0	74.0
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	Average	Peake																																											
Above 1 GHz	54.0	74.0																																											
Duration Time	A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.																																												

5.2 Antenna Requirement

Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
E.U.T Antenna: The EUT make use of an induction coil antenna. The antenna of EUT is a PCB Antenna which cannot replace by end-user. See product internal photos for details.	

5.3 20dB Bandwidth

FSK:

Frequency (MHz)	20dB bandwidth (MHz)	Limit (MHz)	Results
312.1	0.04977	0.78025	Pass
315	0.05057	0.7875	Pass
433.92	0.05052	1.0848	Pass
902	0.05087	2.255	Pass
Note: Limit = Fundamental frequency×0.25%			

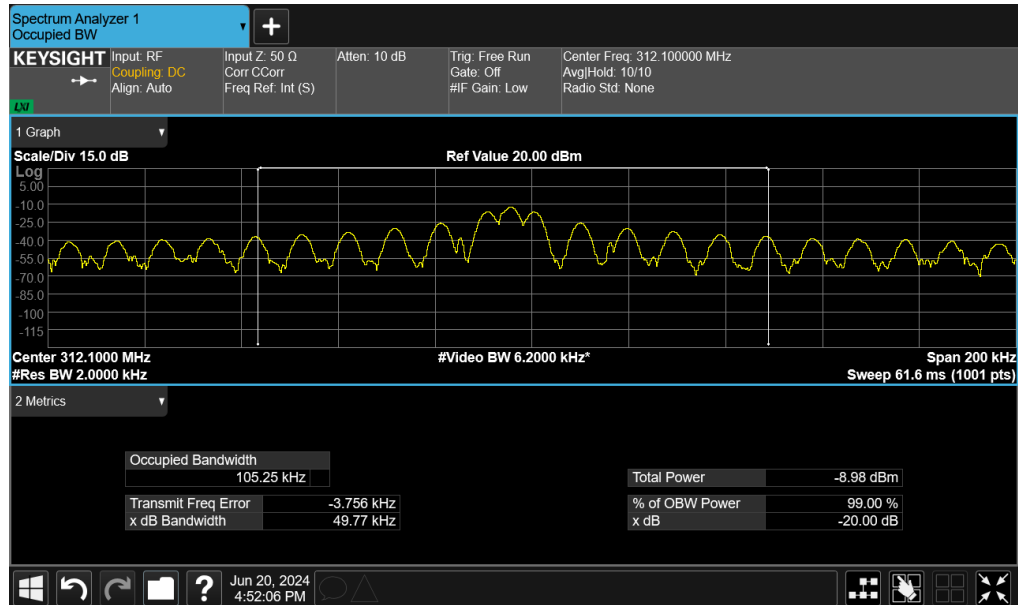
OOK:

Frequency (MHz)	20dB bandwidth (MHz)	Limit (MHz)	Results
315	0.04884	0.7875	Pass
433.92	0.04974	1.0848	Pass
Note: Limit = Fundamental frequency×0.25%			

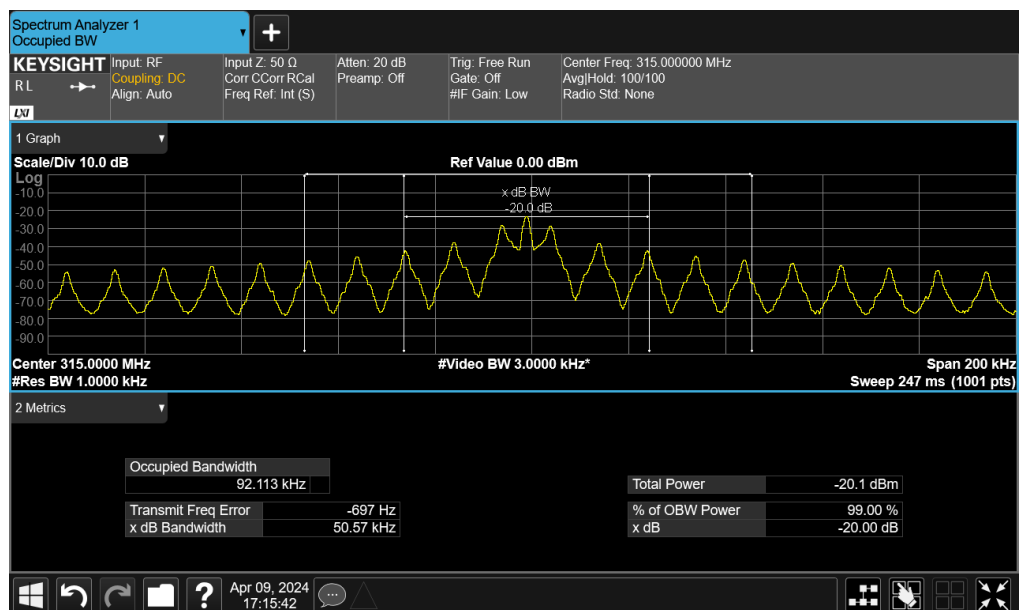
Test plot as follows:

FSK:

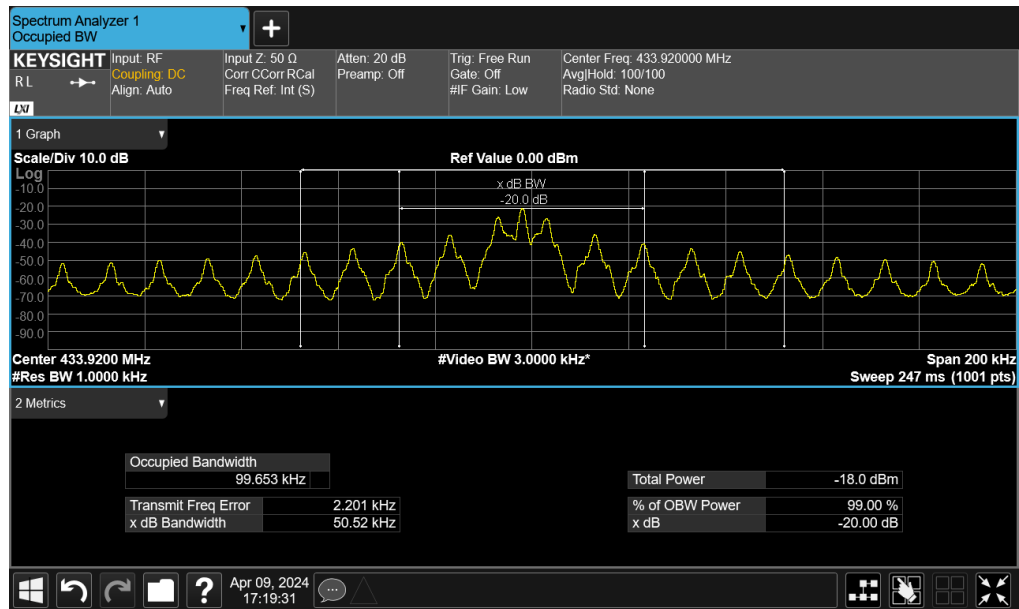
312.1MHz



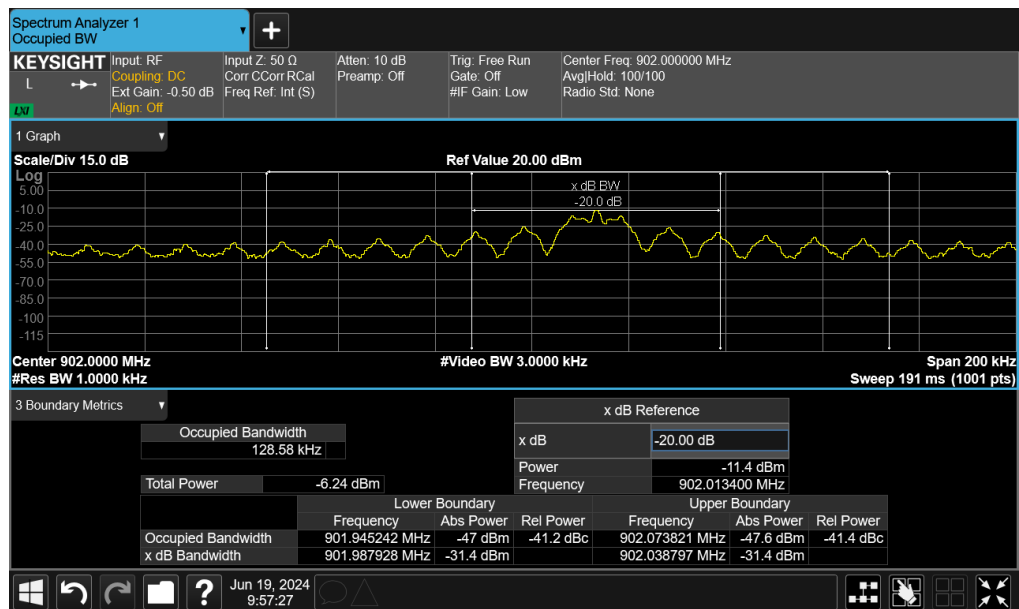
315MHz



433.92MHz

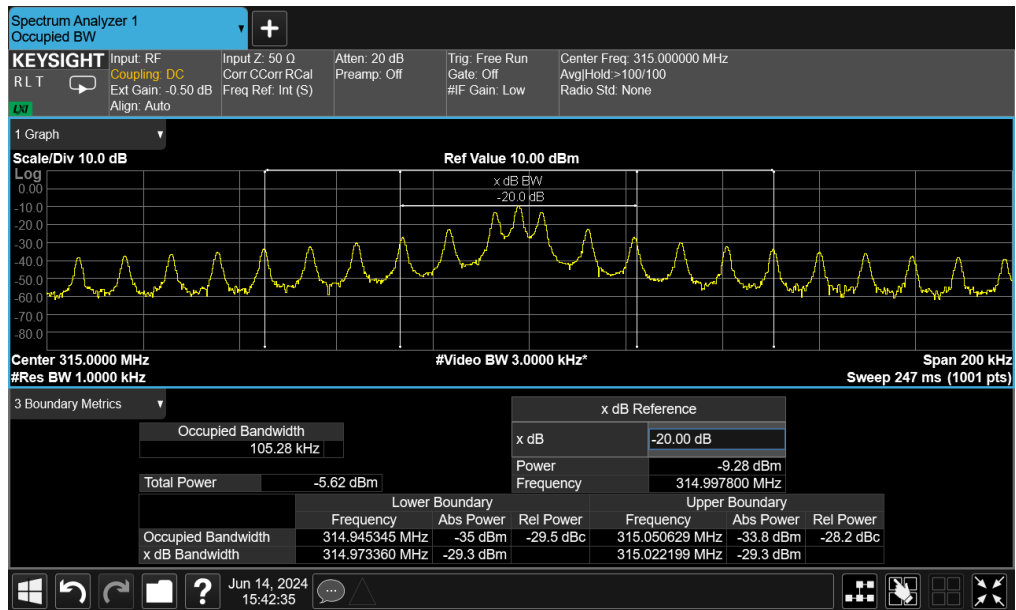


902MHz

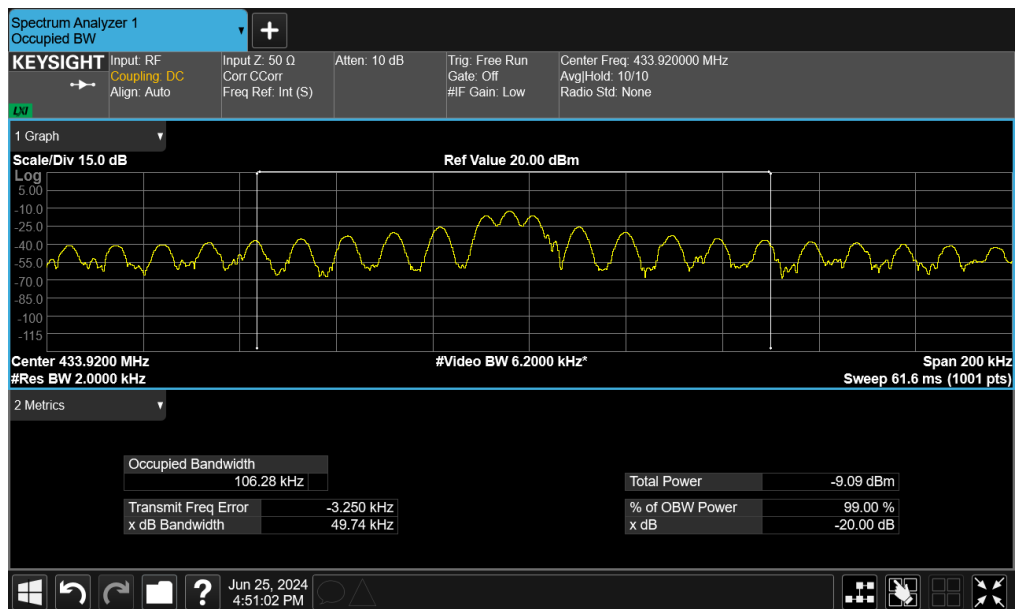


OOK:

315MHz



433.92MHz



5.4 Field Strength of Fundamental

FSK:

312.1MHz

Peak value						
Frequency (MHz)	Reading (dBuV/m)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
312.0003	71.50	-12.81	58.69	95.45	36.76	Vertical
312.1223	84.61	-12.81	71.80	95.45	23.65	Horizontal
Average value						
Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
312.0003	58.69	-3.36	55.33	75.45	20.12	Vertical
312.1223	71.80	-3.36	68.44	75.45	7.01	Horizontal
Duty Cycle Factor Calculate Formula:	Average value = Peak value + Duty Cycle Factor					
	Duty cycle factor = $20\log(\text{Duty cycle})$					
	Duty cycle = on time/100 milliseconds or period, whichever is less					
	T on time = 54.40(ms)					
	T period = 80.10(ms)					
	Duty cycle = 67.92%					
	Duty cycle factor = $20\log(\text{Duty cycle}) = -3.36$					

315MHz

Peak value						
Frequency (MHz)	Reading (dBuV/m)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
315	78.50	-12.81	65.69	95.62	29.93	Vertical
315	87.44	-12.81	74.63	95.62	20.99	Horizontal
Average value						
Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
315	65.69	-11.56	54.13	75.62	21.49	Vertical
315	74.63	-11.56	63.07	75.62	12.55	Horizontal
Duty Cycle Factor Calculate Formula:	Average value = Peak value + Duty Cycle Factor					
	Duty cycle factor = $20\log(\text{Duty cycle})$					
	Duty cycle = on time/100 milliseconds or period, whichever is less					
	T on time = 13.34(ms)					
	T period = 50.50(ms)					
	Duty cycle = 26.42%					
	Duty cycle factor = $20\log(\text{Duty cycle}) = -11.56$					

433.92MHz

Peak value						
Frequency (MHz)	Reading (dBuV/m)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
433.9282	76.82	-10.09	66.73	100.82	34.09	Vertical
433.9282	87.39	-10.09	77.30	100.82	23.52	Horizontal
Average value						
Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
433.9282	66.73	-11.58	55.15	80.82	25.67	Vertical
433.9282	77.30	-11.58	65.72	80.82	15.10	Horizontal
Duty Cycle Factor Calculate Formula:	Average value = Peak value + Duty Cycle Factor					
	Duty cycle factor = 20log(Duty cycle)					
	Duty cycle = on time/100 milliseconds or period, whichever is less					
	T on time = 13.32(ms)					
	T period = 50.50(ms)					
	Duty cycle = 26.53%					
	Duty cycle factor = 20log(Duty cycle) = -11.58					

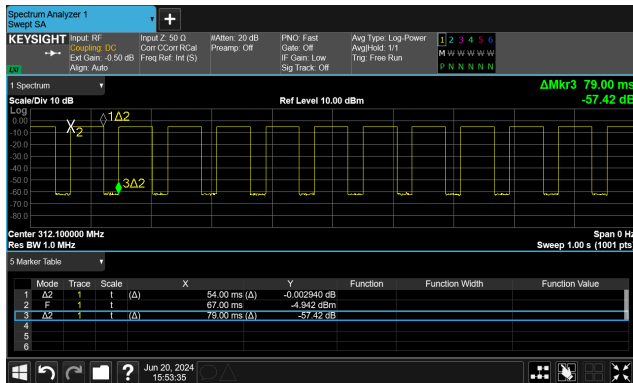
902MHz

Peak value						
Frequency (MHz)	Reading (dBuV/m)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
902.0251	72.53	-2.68	69.85	101.93	32.08	Vertical
902.0251	80.42	-2.68	77.74	101.93	24.19	Horizontal
Average value						
Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polarization
902.0251	69.85	-11.59	58.26	81.93	23.67	Vertical
902.0251	77.74	-11.59	66.15	81.93	15.78	Horizontal
Duty Cycle Factor Calculate Formula:	Average value = Peak value + Duty Cycle Factor					
	Duty cycle factor = 20log(Duty cycle)					
	Duty cycle = on time/100 milliseconds or period, whichever is less					
	T on time = 13.3(ms)					
	T period = 50.50(ms)					
	Duty cycle = 26.34%					
	Duty cycle factor = 20log(Duty cycle) = -11.59					

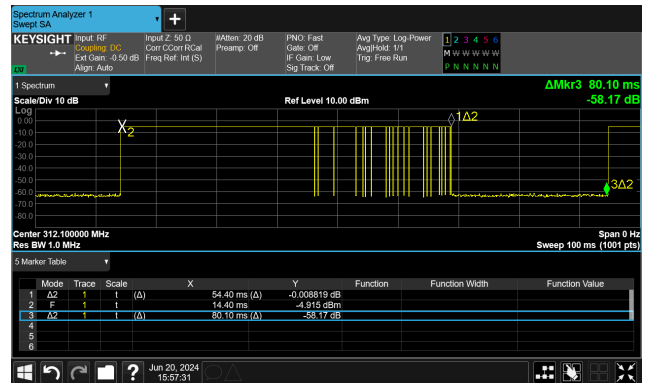
FSK:

312.1MHz:

T period:

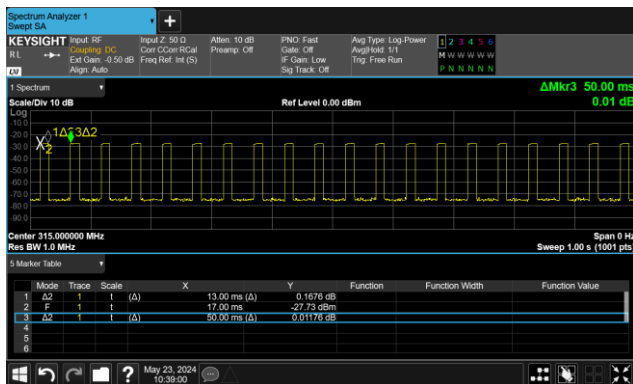


T 100ms:



315MHz:

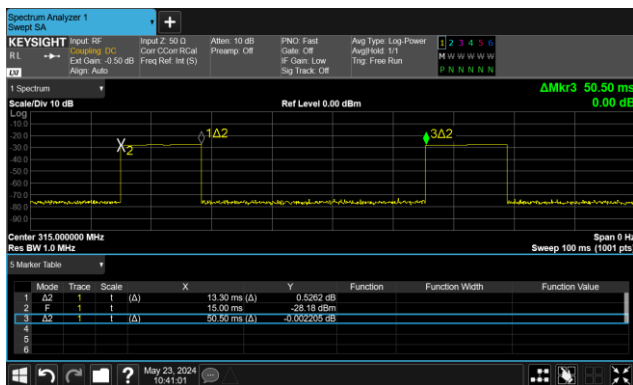
T period:



T 100ms:



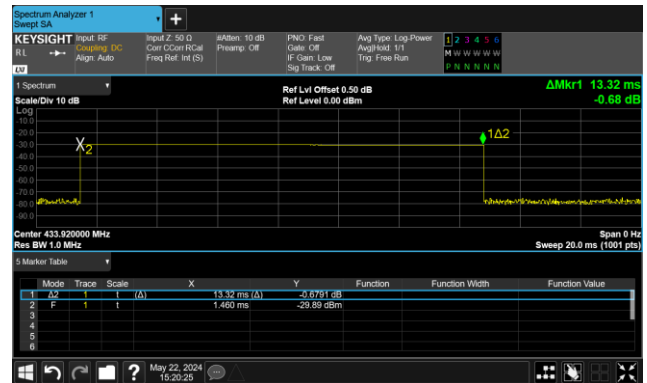
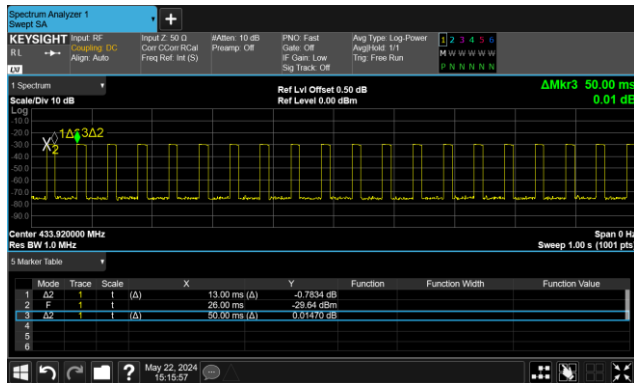
T 62ms:



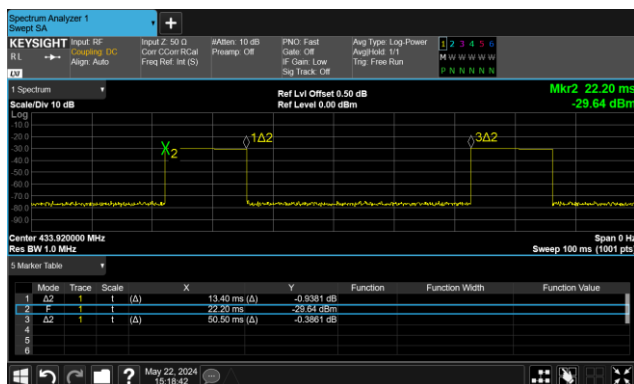
433.92MHz:

T period:

T 100ms:



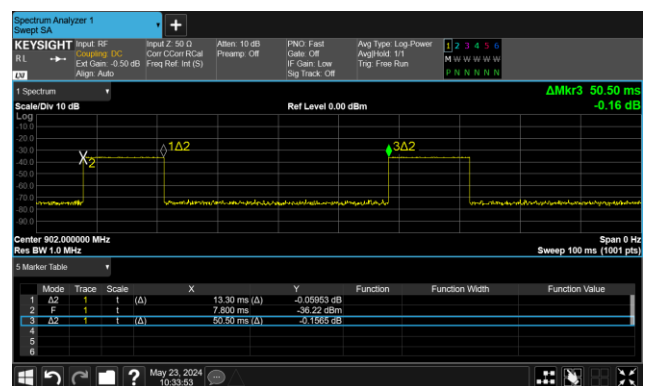
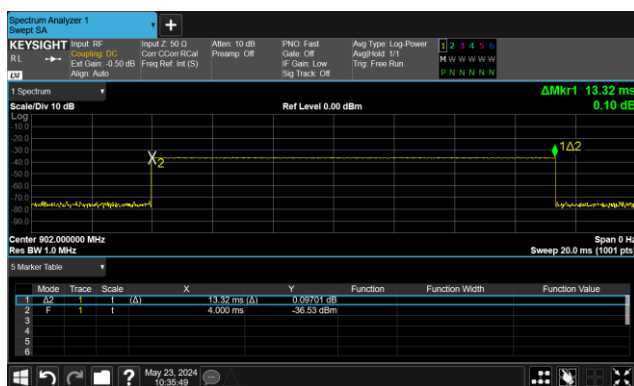
T 62ms:



902MHz:

T period:

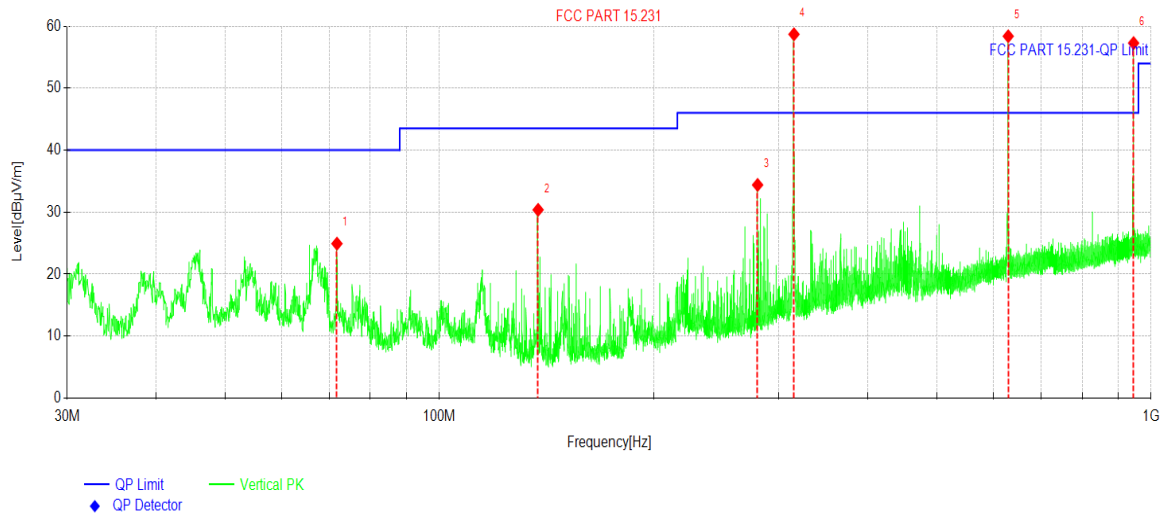
T 100ms:



5.5 Field Strength of Spurious Emissions

312.1MHz:

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	312.1MHz Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Vertical
Test Voltage:	DC 12V		



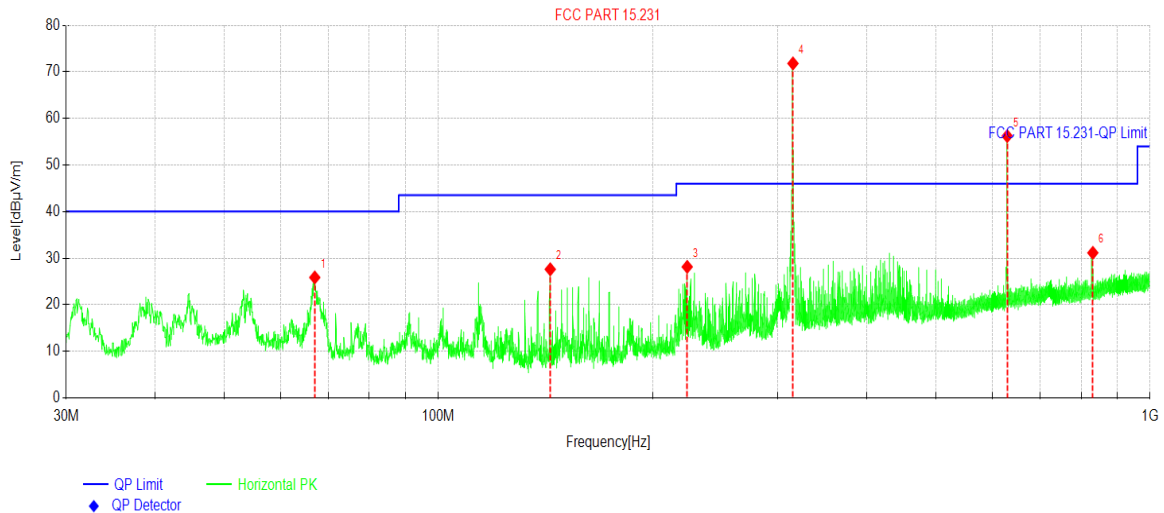
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBuV/m]	Factor [dB]	Level [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Trace	Polarity
1	71.8091	42.57	-17.65	24.92	40.00	15.08	PK	Vertical
2	137.675	48.58	-18.20	30.38	43.50	13.12	PK	Vertical
3	280.030	47.89	-13.50	34.39	46.00	11.61	PK	Vertical
4	312.000	71.50	-12.81	58.69	95.45	36.76	PK	Vertical
5	624.023	64.73	-6.35	58.38	75.45	17.07	PK	Vertical
6	936.046	59.65	-2.38	57.27	75.45	18.18	PK	Vertical

NO.	Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Trace	Polarity
1	312.000	58.69	-3.36	55.33	75.45	20.12	AV	Vertical
2	624.023	58.38	-3.36	55.02	55.45	0.43	AV	Vertical
3	936.046	57.27	-3.36	53.91	55.45	1.54	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	312.1MHz Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Horizontal
Test Voltage:	DC 12V		



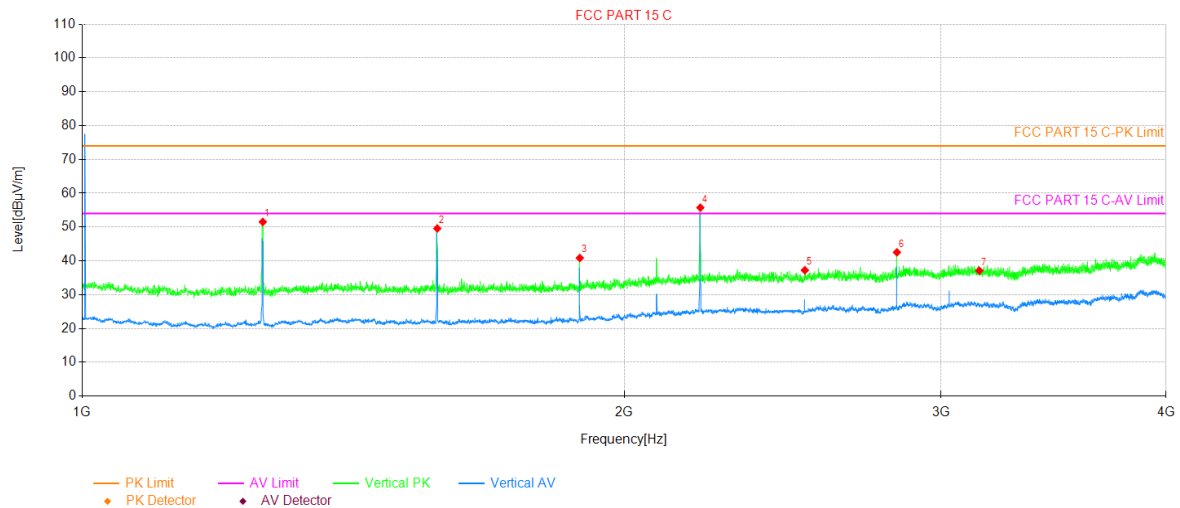
Suspected Data List								
NO.	Freq. [MHz]	Reading[dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	67.0559	41.51	-15.66	25.85	40.00	14.15	PK	Horizontal
2	143.641	45.94	-18.34	27.60	43.50	15.90	PK	Horizontal
3	223.718	43.09	-14.96	28.13	46.00	17.87	PK	Horizontal
4	312.122	84.61	-12.81	71.80	95.45	23.65	PK	Horizontal
5	623.975	62.55	-6.35	56.20	75.45	19.25	PK	Horizontal
6	831.066	34.94	-3.80	31.14	75.45	44.31	PK	Horizontal

NO.	Frequency (MHz)	Level (dBμV/m)	Duty cycle factor	Average value (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Trace	Polarity
1	312.12	71.80	-3.36	68.44	75.45	7.01	AV	Horizontal
2	623.97	56.20	-3.36	52.84	54.00	1.16	AV	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	312.1MHz Tx mode
Test Frequency:	1000 MHz – 4000 MHz	Polarization:	Vertical
Test Voltage:	DC 12V		

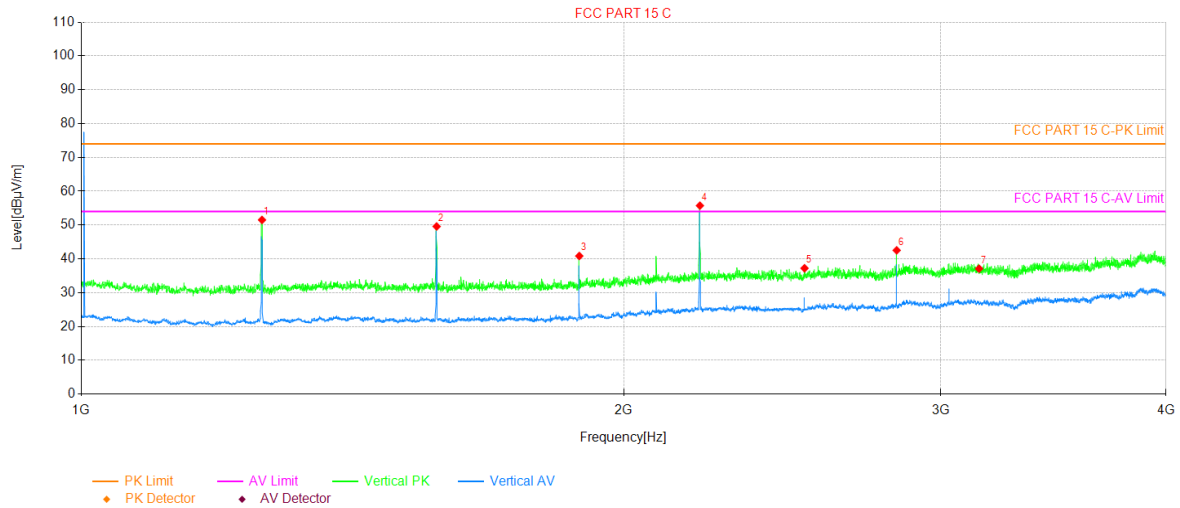


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1248.88	75.42	-23.91	51.51	74.00	22.49	209	PK	PASS	Vertical
2	1560.88	72.93	-23.35	49.58	74.00	24.42	88	PK	PASS	Vertical
3	1872.88	62.92	-22.07	40.85	74.00	33.15	294	PK	PASS	Vertical
4	2184.88	74.88	-19.15	55.73	74.00	18.27	230	PK	PASS	Vertical
5	2496.25	55.43	-18.21	37.22	74.00	36.78	41	PK	PASS	Vertical
6	2808.25	59.14	-16.62	42.52	74.00	31.48	230	PK	PASS	Vertical
7	3121.00	52.45	-15.36	37.09	74.00	36.91	216	PK	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	312.1MHz Tx mode
Test Frequency:	1000 MHz – 4000 MHz	Polarization:	Horizontal
Test Voltage:	DC 12V		



Suspected Data List

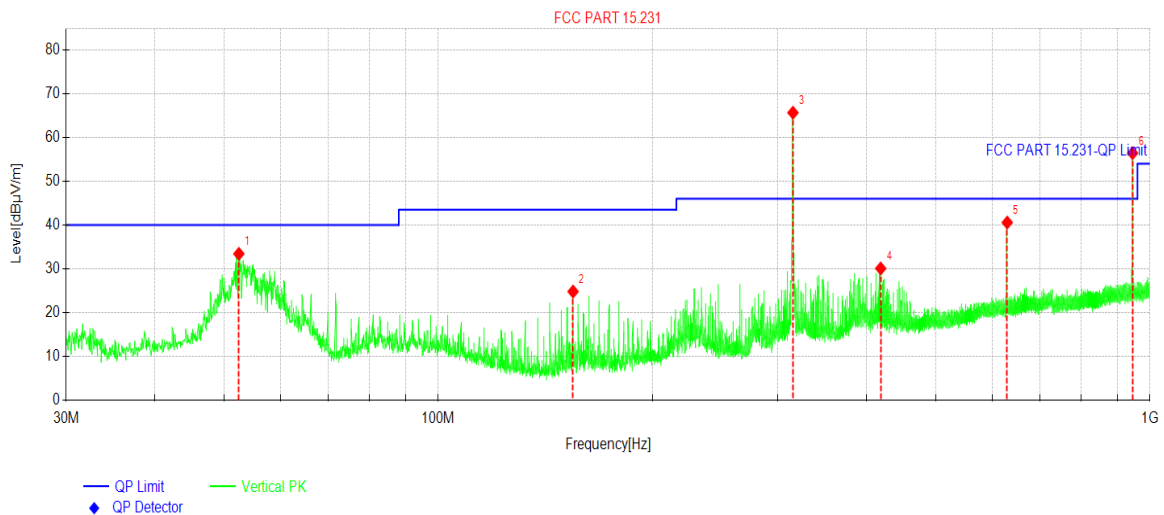
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1248.88	75.42	-23.91	51.51	74.00	22.49	209	PK	PASS	Horizontal
2	1560.88	72.93	-23.35	49.58	74.00	24.42	88	PK	PASS	Horizontal
3	1872.88	62.92	-22.07	40.85	74.00	33.15	294	PK	PASS	Horizontal
4	2184.88	74.88	-19.15	55.73	74.00	18.27	230	PK	PASS	Horizontal
5	2496.25	55.43	-18.21	37.22	74.00	36.78	41	PK	PASS	Horizontal
6	2808.25	59.14	-16.62	42.52	74.00	31.48	230	PK	PASS	Horizontal
7	312.00	52.45	-15.36	37.09	74.00	36.91	216	PK	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

315MHz:

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	315MHz Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Vertical
Test Voltage:	DC 12V		



Suspected Data List

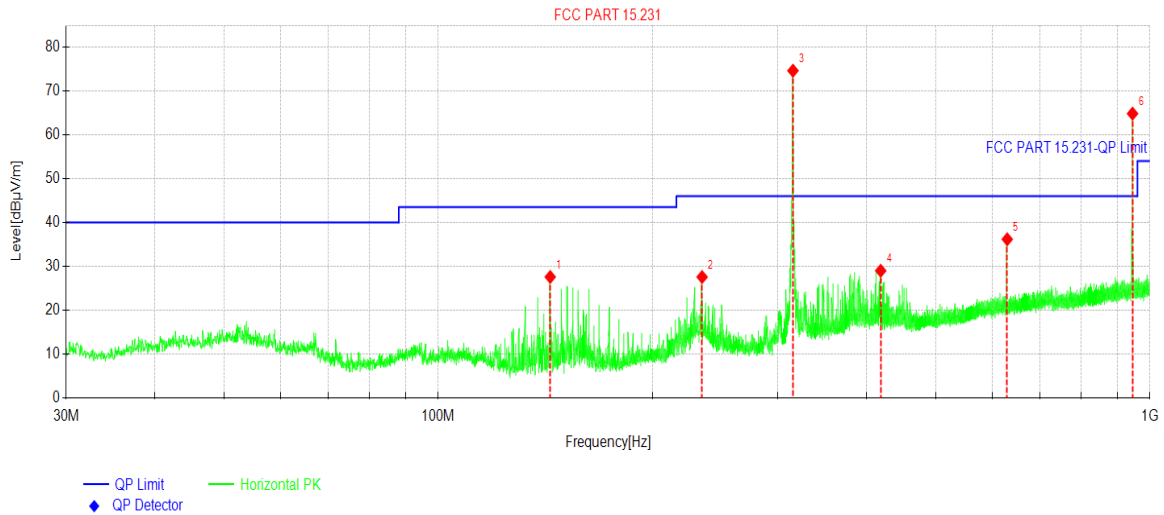
NO.	Freq. [MHz]	Reading[dBuV/m]	Factor [dB]	Level [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Trace	Polarity
1	52.4566	46.24	-12.81	33.43	40.00	6.57	PK	Vertical
2	154.651	42.87	-18.06	24.81	43.50	18.69	PK	Vertical
3	315	78.50	-12.81	65.69	95.62	29.93	PK	Vertical
4	418.407	40.51	-10.43	30.08	46.00	15.92	PK	Vertical
5	630.023	46.94	-6.35	40.59	75.62	35.03	PK	Vertical
6	945.046	58.82	-2.38	56.44	75.62	19.18	PK	Vertical

NO.	Frequen cy [MHz]	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Trace	Polarity
1	315	65.69	-11.56	54.13	75.62	21.49	AV	Vertical
2	630.023	40.59	-11.56	29.03	55.62	26.59	AV	Vertical
3	945.046	56.44	-11.56	44.88	54.00	9.12	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	315MHz Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Horizontal
Test Voltage:	DC 12V		



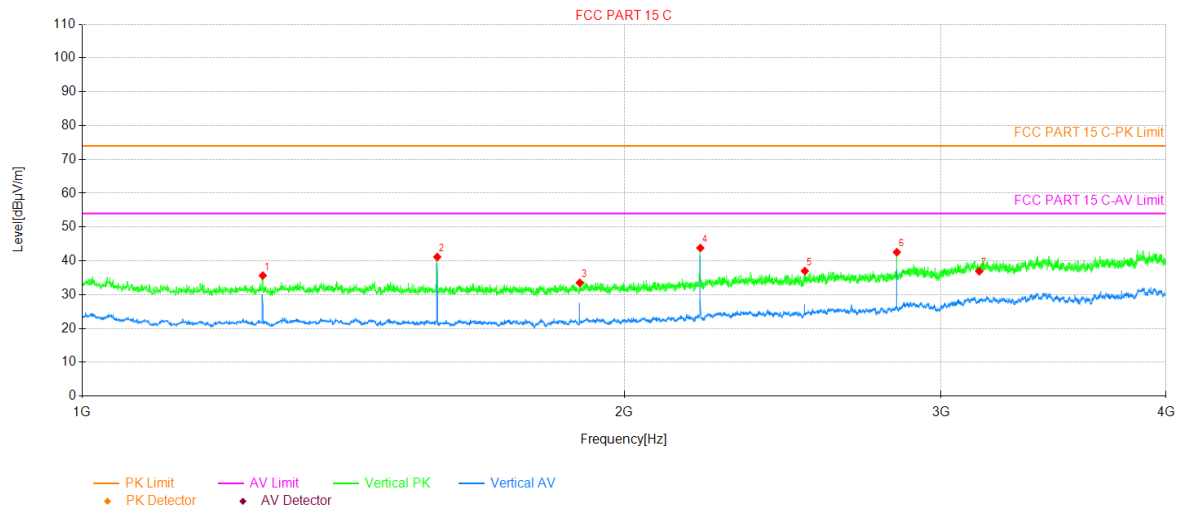
Suspected Data List								
NO.	Freq. [MHz]	Reading[dBuV/m]	Factor [dB]	Level [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Trace	Polarity
1	143.641	45.93	-18.34	27.59	43.50	15.91	PK	Horizontal
2	234.777	41.99	-14.42	27.57	46.00	18.43	PK	Horizontal
3	315.000	87.44	-12.81	74.63	95.62	20.99	PK	Horizontal
4	418.407	39.43	-10.43	29.00	46.00	17.00	PK	Horizontal
5	630.023	42.53	-6.35	36.18	75.62	39.44	PK	Horizontal
6	945.05	67.22	-2.38	64.84	75.62	10.78	PK	Horizontal

NO.	Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Trace	Polarity
1	315	74.63	-11.56	63.07	75.62	12.55	AV	Horizontal
2	630.02	36.18	-11.56	24.62	55.62	31.00	AV	Horizontal
3	945.05	64.84	-11.56	53.28	54.00	0.72	AV	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	315MHz Tx mode
Test Frequency:	1000 MHz – 4000 MHz	Polarization:	Vertical
Test Voltage:	DC 12V		



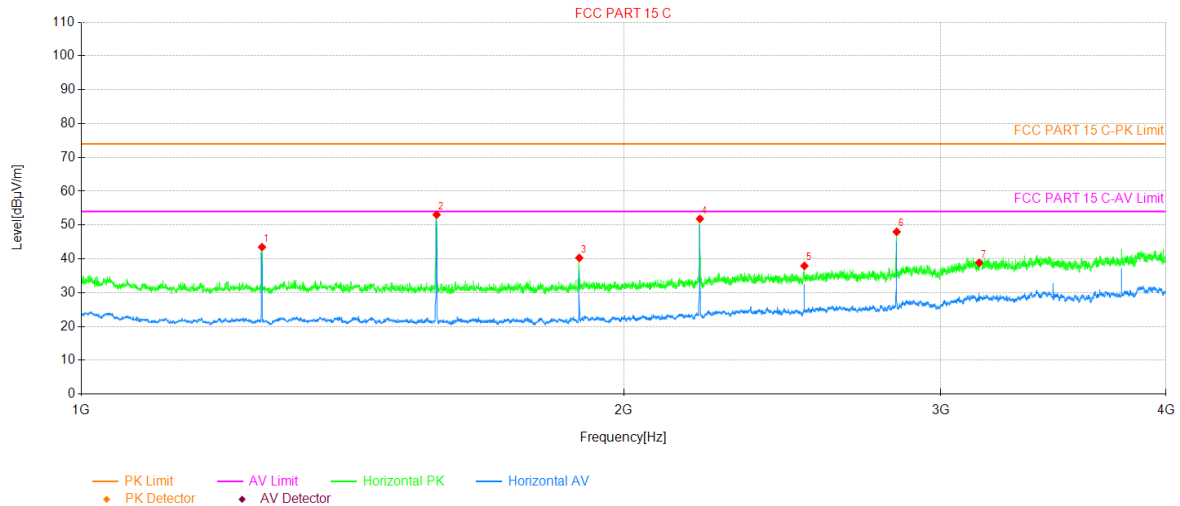
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1259.88	58.54	-22.89	35.65	74.00	38.35	88	PK	PASS	Vertical
2	1574.88	63.75	-22.60	41.15	74.00	32.85	95	PK	PASS	Vertical
3	1889.88	55.30	-21.77	33.53	74.00	40.47	143	PK	PASS	Vertical
4	2204.88	64.19	-20.37	43.82	74.00	30.18	246	PK	PASS	Vertical
5	2520.25	55.56	-18.57	36.99	74.00	37.01	88	PK	PASS	Vertical
6	2834.88	58.93	-16.37	42.56	74.00	31.44	130	PK	PASS	Vertical
7	3150.00	50.78	-13.86	36.92	74.00	37.08	330	PK	PASS	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	315MHz Tx mode
Test Frequency:	1000 MHz – 4000 MHz	Polarization:	Horizontal
Test Voltage:	DC 12V		



Suspected Data List

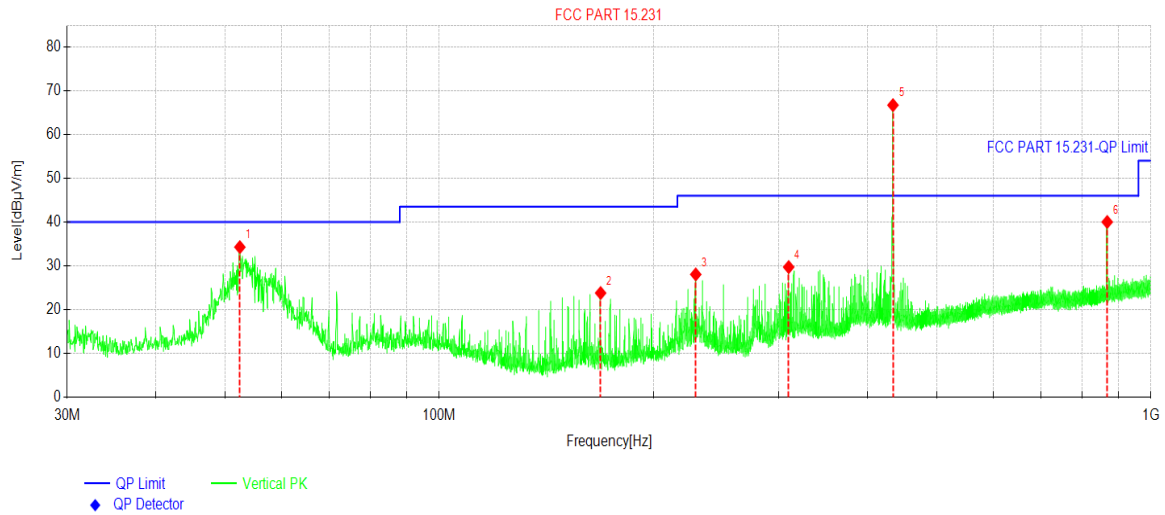
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1259.88	66.37	-22.89	43.48	74.00	30.52	312	PK	PASS	Horizontal
2	1574.88	75.65	-22.60	53.05	74.00	20.95	0	PK	PASS	Horizontal
3	1889.88	62.05	-21.77	40.28	74.00	33.72	8	PK	PASS	Horizontal
4	2204.88	72.21	-20.37	51.84	74.00	22.16	8	PK	PASS	Horizontal
5	2519.88	56.51	-18.58	37.93	74.00	36.07	21	PK	PASS	Horizontal
6	2835.25	64.36	-16.36	48.00	74.00	26.00	0	PK	PASS	Horizontal
7	3150.25	52.70	-13.86	38.84	74.00	35.16	63	PK	PASS	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

433.92MHz:

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	433.92MHz Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Vertical
Test Voltage:	DC 12V		



Suspected Data List

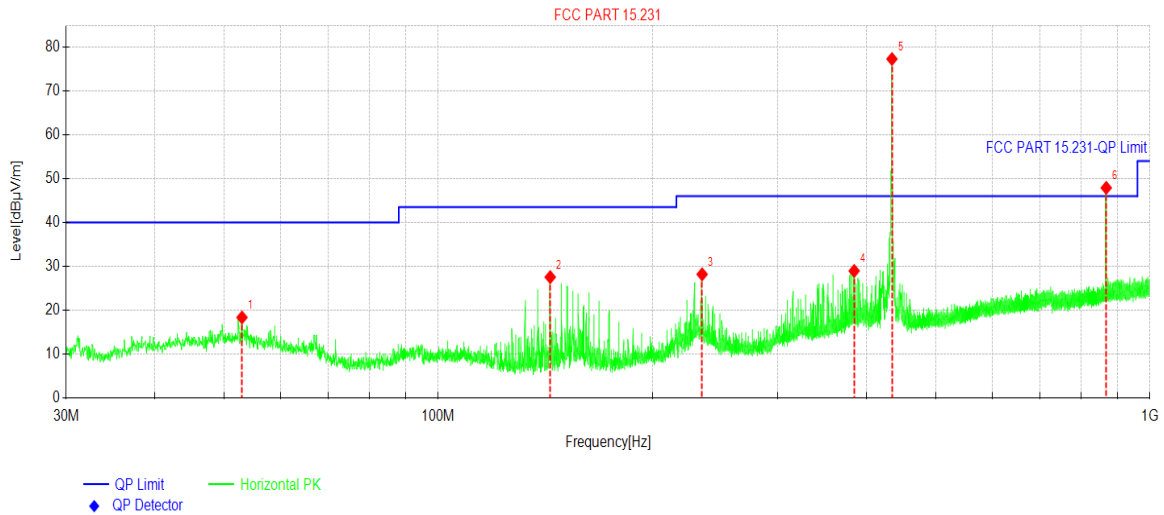
NO.	Freq. [MHz]	Reading[dBuV/m]	Factor [dB]	Level [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Trace	Polarity
1	52.4566	47.09	-12.81	34.28	40.00	5.72	PK	Vertical
2	168.522	41.34	-17.55	23.79	43.50	19.71	PK	Vertical
3	229.248	42.76	-14.72	28.04	46.00	17.96	PK	Vertical
4	309.665	42.60	-12.88	29.72	46.00	16.28	PK	Vertical
5	433.928	76.82	-10.09	66.73	100.82	34.09	PK	Vertical
6	867.830	43.09	-3.07	40.02	80.82	40.80	PK	Vertical

NO.	Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Trace	Polarity
1	433.956	66.73	-11.58	55.15	80.82	25.67	AV	Vertical
2	867.886	40.02	-11.58	28.44	60.82	32.38	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	433.92MHz Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Horizontal
Test Voltage:	DC 12V		



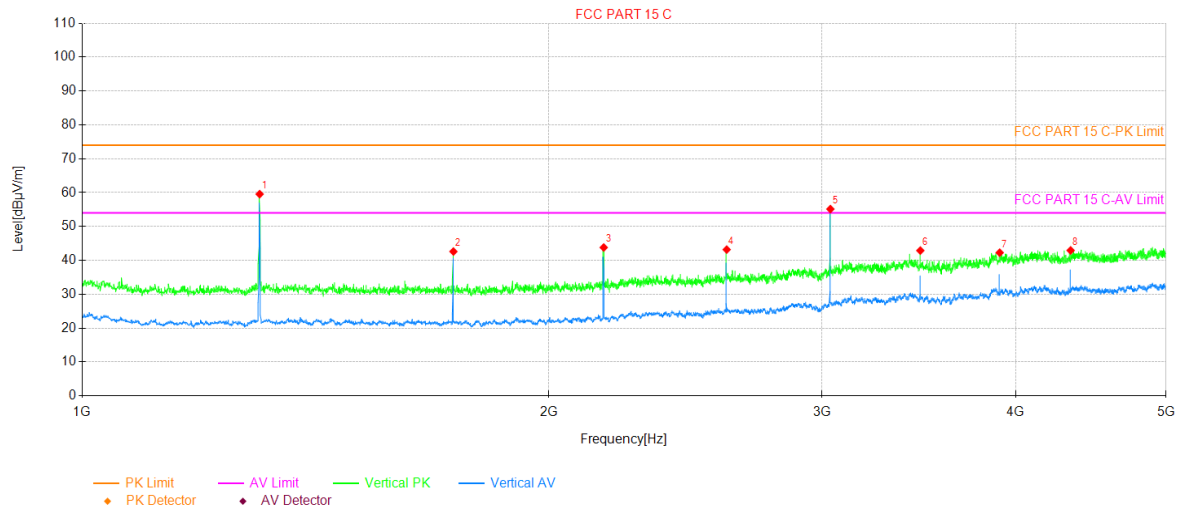
Suspected Data List								
NO.	Freq. [MHz]	Reading[dBuV/m]	Factor [dB]	Level [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Trace	Polarity
1	52.9902	31.16	-12.81	18.35	40.00	21.65	PK	Horizontal
2	143.641	45.89	-18.34	27.55	43.50	15.95	PK	Horizontal
3	234.825	42.60	-14.41	28.19	46.00	17.81	PK	Horizontal
4	383.970	40.08	-11.12	28.96	46.00	17.04	PK	Horizontal
5	433.928	87.39	-10.09	77.30	100.82	23.52	PK	Horizontal
6	867.879	50.98	-3.07	47.91	80.82	32.91	PK	Horizontal

NO.	Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Trace	Polarity
1	433.956	77.30	-11.58	65.72	80.82	15.10	AV	Horizontal
2	867.886	47.91	-11.58	36.33	60.82	24.49	AV	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	433.92MHz Tx mode
Test Frequency:	1000 MHz – 5000 MHz	Polarization:	Vertical
Test Voltage:	DC 12V		



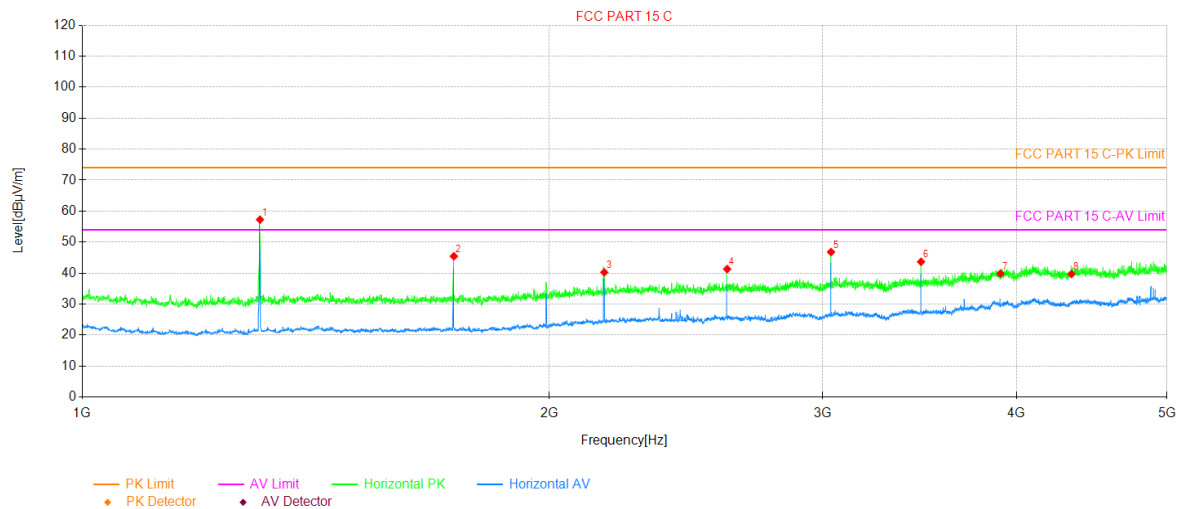
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1301.76	83.55	-23.78	59.77	74.00	14.23	103	PK	PASS	Vertical
2	1735.68	65.79	-22.87	42.92	80.82	37.90	250	PK	PASS	Vertical
3	2169.60	67.91	-19.60	48.31	80.82	32.51	340	PK	PASS	Vertical
4	2603.52	57.67	-17.36	40.31	80.82	40.51	284	PK	PASS	Vertical
5	3037.44	72.30	-16.10	56.20	80.82	24.62	68	PK	PASS	Vertical
6	3471.36	54.50	-14.10	40.40	80.82	40.42	172	PK	PASS	Vertical
7	3905.28	49.85	-10.17	39.68	80.82	41.14	166	PK	PASS	Vertical
8	4339.20	50.64	-9.47	41.17	80.82	39.65	166	PK	PASS	Vertical
NO.	Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization			
1	1301.50	59.77	-11.58	48.19	54.00	5.81	Vertical			
2	1735.50	42.92	-11.58	31.34	60.82	29.48	Vertical			
3	2169.50	48.31	-11.58	36.73	60.82	24.09	Vertical			
4	2603.50	40.31	-11.58	28.73	60.82	32.09	Vertical			
5	3037.50	56.20	-11.58	44.62	60.82	16.20	Vertical			
6	3471.50	40.40	-11.58	28.82	60.82	32.00	Vertical			
7	3905.50	39.68	-11.58	28.10	60.82	32.72	Vertical			
8	4339.20	41.17	-11.58	29.59	60.82	31.23	Vertical			

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	433.92MHz Tx mode
Test Frequency:	1000 MHz – 5000 MHz	Polarization:	Horizontal
Test Voltage:	DC 12V		



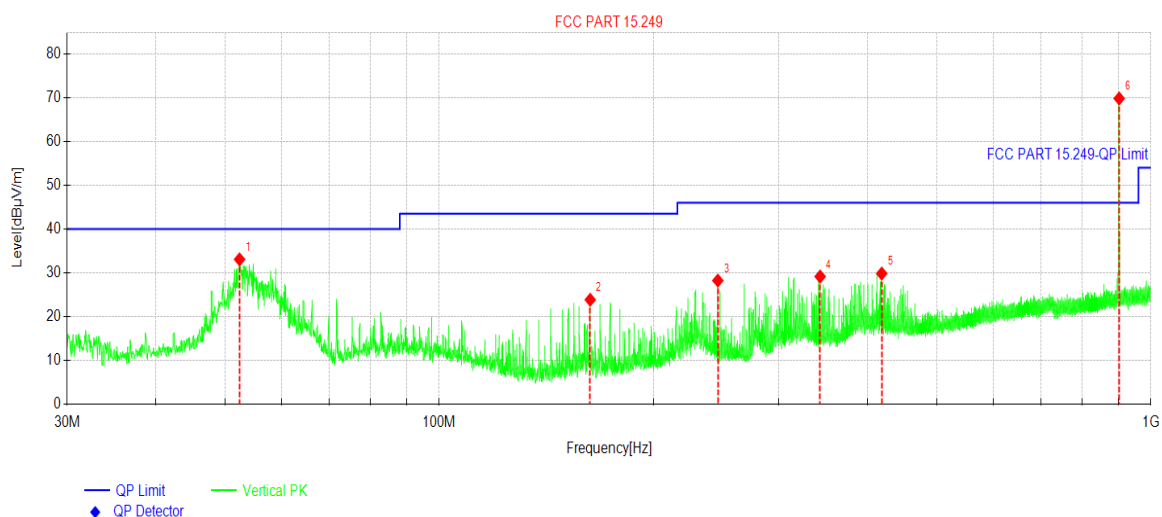
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1301.76	81.03	-23.78	57.25	74.00	16.75	112	PK	PASS	Horizontal
2	1735.68	68.31	-22.87	45.44	74.00	28.56	322	PK	PASS	Horizontal
3	2169.60	59.85	-19.60	40.25	74.00	33.75	105	PK	PASS	Horizontal
4	2603.52	58.67	-17.36	41.31	74.00	32.69	21	PK	PASS	Horizontal
5	3037.44	62.90	-16.10	46.80	74.00	27.20	118	PK	PASS	Horizontal
6	3471.36	57.76	-14.10	43.66	74.00	30.34	182	PK	PASS	Horizontal
7	3905.28	50.01	-10.17	39.84	74.00	34.16	182	PK	PASS	Horizontal
8	4339.20	49.19	-9.47	39.72	74.00	34.28	338	PK	PASS	Horizontal
NO.	Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization			
1	1301.50	57.25	-11.58	45.67	54.00	8.33	Horizontal			
2	1735.50	45.44	-11.58	33.86	60.82	26.96	Horizontal			
3	2169.50	40.25	-11.58	28.67	60.82	32.15	Horizontal			
4	2603.50	41.31	-11.58	29.73	60.82	31.09	Horizontal			
5	3037.50	46.80	-11.58	35.22	60.82	25.60	Horizontal			
6	3471.50	43.66	-11.58	32.08	60.82	28.74	Horizontal			
7	3905.50	39.84	-11.58	28.26	60.82	32.56	Horizontal			
8	4339.20	39.72	-11.58	28.14	60.82	32.68	Horizontal			

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

902MHz:

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	902MHz Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Vertical
Test Voltage:	DC 12V		



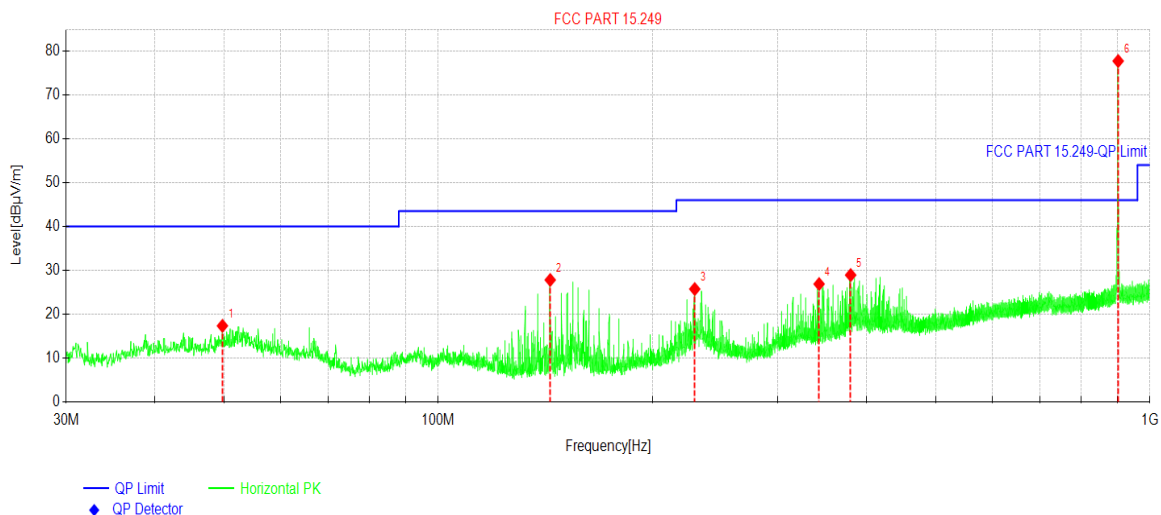
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	52.4081	45.89	-12.81	33.08	40.00	6.92	PK	Vertical
2	162.945	41.56	-17.71	23.85	43.50	19.65	PK	Vertical
3	246.223	42.23	-13.98	28.25	46.00	17.75	PK	Vertical
4	342.840	40.86	-11.70	29.16	46.00	16.84	PK	Vertical
5	418.407	40.28	-10.43	29.85	46.00	16.15	PK	Vertical
6	902.025	72.53	-2.68	69.85	101.93	32.08	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	902MHz Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Horizontal
Test Voltage:	DC 12V		



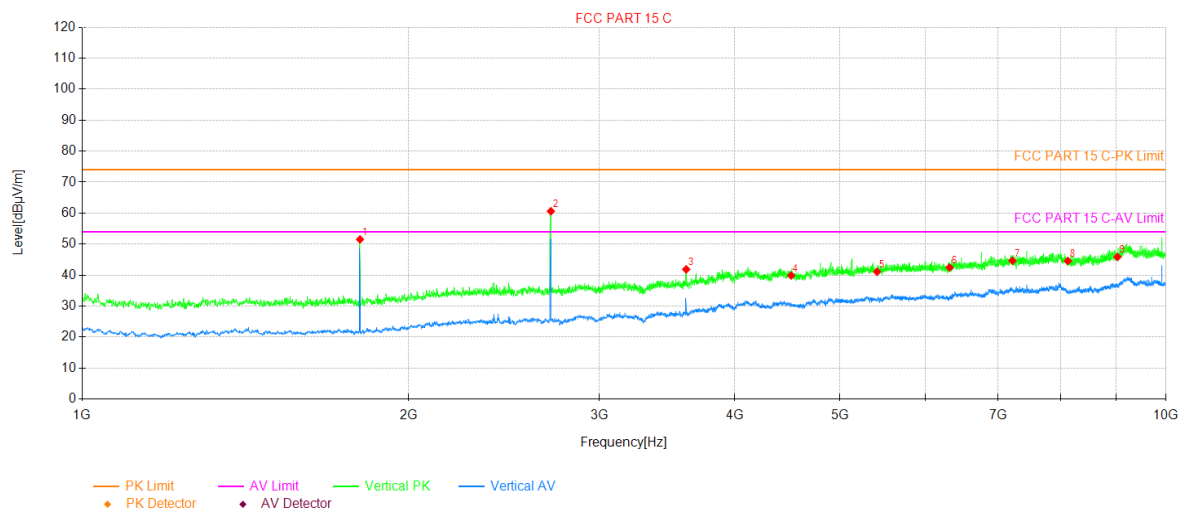
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	49.7405	30.05	-12.71	17.34	40.00	22.66	PK	Horizontal
2	143.641	46.15	-18.34	27.81	43.50	15.69	PK	Horizontal
3	229.248	40.46	-14.72	25.74	46.00	20.26	PK	Horizontal
4	342.792	38.58	-11.70	26.88	46.00	19.12	PK	Horizontal
5	379.654	40.11	-11.19	28.92	46.00	17.08	PK	Horizontal
6	902.025	80.42	-2.68	77.74	101.93	24.19	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	902MHz Tx mode
Test Frequency:	1GHz – 10GHz	Polarization:	Vertical
Test Voltage:	DC 12V		

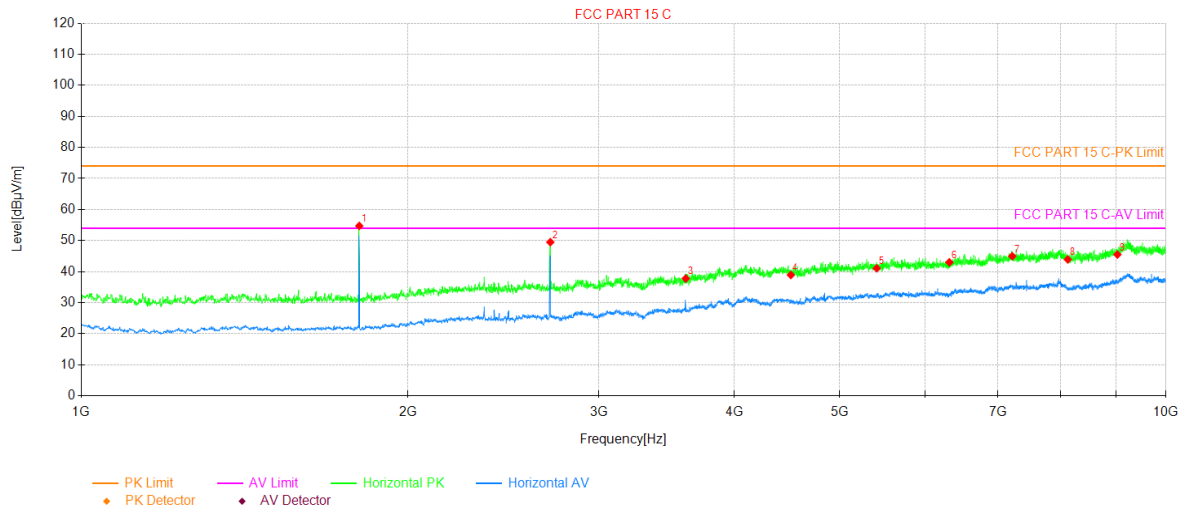


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB/m]	Level [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1804.38	74.32	-22.80	51.52	81.93	30.41	312	PK	PASS	Vertical
2	2706.63	78.00	-17.40	60.60	74.00	13.40	312	PK	PASS	Vertical
3	3608.00	55.62	-13.76	41.86	81.93	40.07	319	PK	PASS	Vertical
4	4510.00	49.14	-9.25	39.89	81.93	42.04	284	PK	PASS	Vertical
5	5412.00	48.45	-7.36	41.09	81.93	40.84	26	PK	PASS	Vertical
6	6314.00	49.11	-6.64	42.47	81.93	39.46	284	PK	PASS	Vertical
7	7216.00	48.18	-3.54	44.64	81.93	37.29	305	PK	PASS	Vertical
8	8118.00	46.66	-2.09	44.57	81.93	37.36	131	PK	PASS	Vertical
9	9020.00	46.16	-0.28	45.88	81.93	36.05	131	PK	PASS	Vertical
NO.	Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization			
1	1803.25	51.52	-11.59	39.93	61.93	22.00	Vertical			
2	2705.50	60.60	-11.59	49.01	54.00	4.99	Vertical			
3	3607.75	41.86	-11.59	30.27	61.93	31.66	Vertical			
4	4510.00	39.89	-11.59	28.30	61.93	33.63	Vertical			
5	5412.25	41.09	-11.59	29.50	61.93	32.43	Vertical			
6	6314.00	42.47	-11.59	30.88	61.93	31.05	Vertical			
7	7216.00	44.64	-11.59	33.05	61.93	28.88	Vertical			
8	8118.00	44.57	-11.59	32.98	61.93	28.95	Vertical			
9	9020.00	45.88	-11.59	34.29	61.93	27.64	Vertical			

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	KiB Ekey	Product Model:	1412VD
Test By:	Kiran Zeng	Test mode:	902MHz Tx mode
Test Frequency:	1GHz – 10GHz	Polarization:	Horizontal
Test Voltage:	DC 12V		



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Verdict	Polarity
1	1804.38	77.53	-22.80	54.73	81.93	30.41	49	PK	PASS	Horizontal
2	2706.63	66.90	-17.40	49.50	74.00	13.40	277	PK	PASS	Horizontal
3	3608.00	51.54	-13.76	37.78	81.93	40.07	332	PK	PASS	Horizontal
4	4510.00	48.19	-9.25	38.94	81.93	42.04	222	PK	PASS	Horizontal
5	5412.00	48.45	-7.36	41.09	81.93	40.84	13	PK	PASS	Horizontal
6	6314.00	49.66	-6.64	43.02	81.93	39.46	111	PK	PASS	Horizontal
7	7216.00	48.52	-3.54	44.98	81.93	37.29	146	PK	PASS	Horizontal
8	8118.00	46.03	-2.09	43.94	81.93	37.36	125	PK	PASS	Horizontal
9	9020.00	45.78	-0.28	45.50	81.93	36.05	49	PK	PASS	Horizontal
NO.	Frequency (MHz)	Level (dBμV/m)	Duty cycle factor	Average value (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Polarization			
1	1803.25	54.73	-11.59	43.14	61.93	18.79	Horizontal			
2	2705.50	49.50	-11.59	37.91	54.00	16.09	Horizontal			
3	3607.75	37.78	-11.59	26.19	61.93	35.74	Horizontal			
4	4510.00	38.94	-11.59	27.35	61.93	34.58	Horizontal			
5	5412.25	41.09	-11.59	29.50	61.93	32.43	Horizontal			
6	6314.00	43.02	-11.59	31.43	61.93	30.50	Horizontal			
7	7216.00	44.98	-11.59	33.39	61.93	28.54	Horizontal			
8	8118.00	43.94	-11.59	32.35	61.93	29.58	Horizontal			
9	9020.00	45.50	-11.59	33.91	61.93	28.02	Horizontal			

Remark:

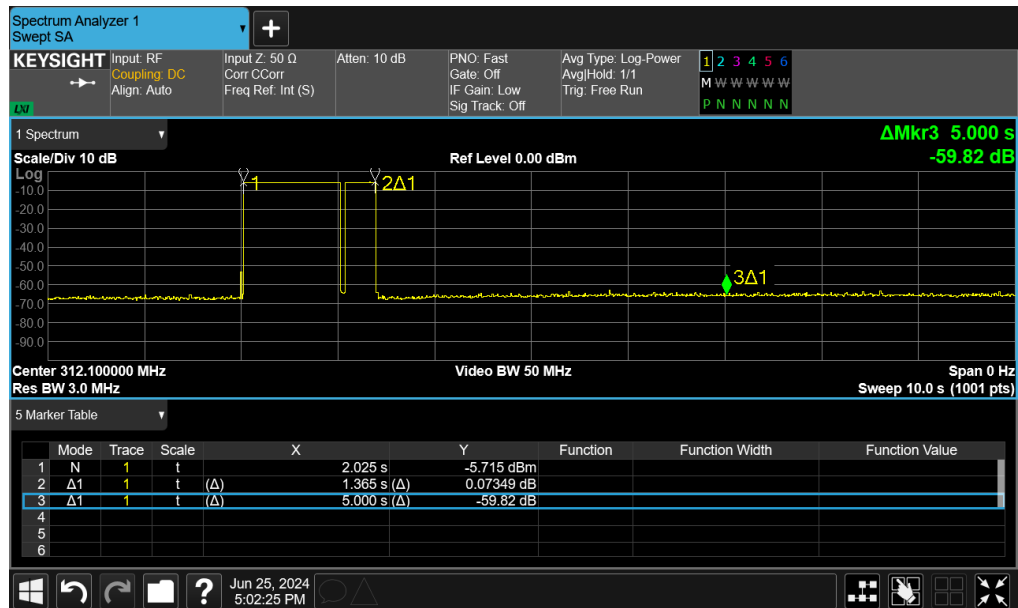
1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

5.6 Duration Time

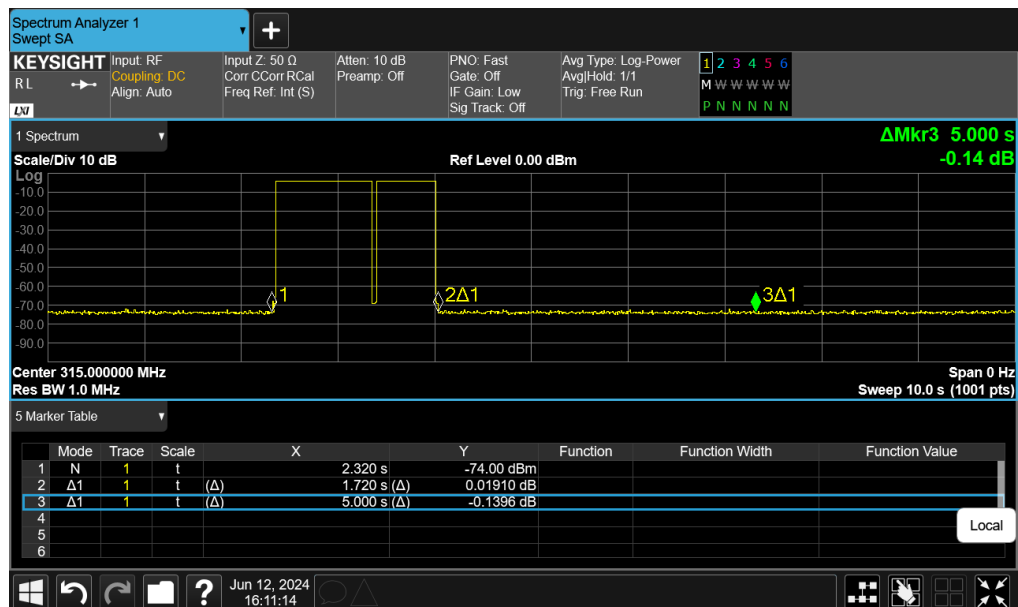
Measurement monitoring	Result
EUT launch control is used in the mobile phone software, which automatically deactivates the transmitter within 5 seconds after the launch switch in the software is released.	Pass

Test plot as follows:

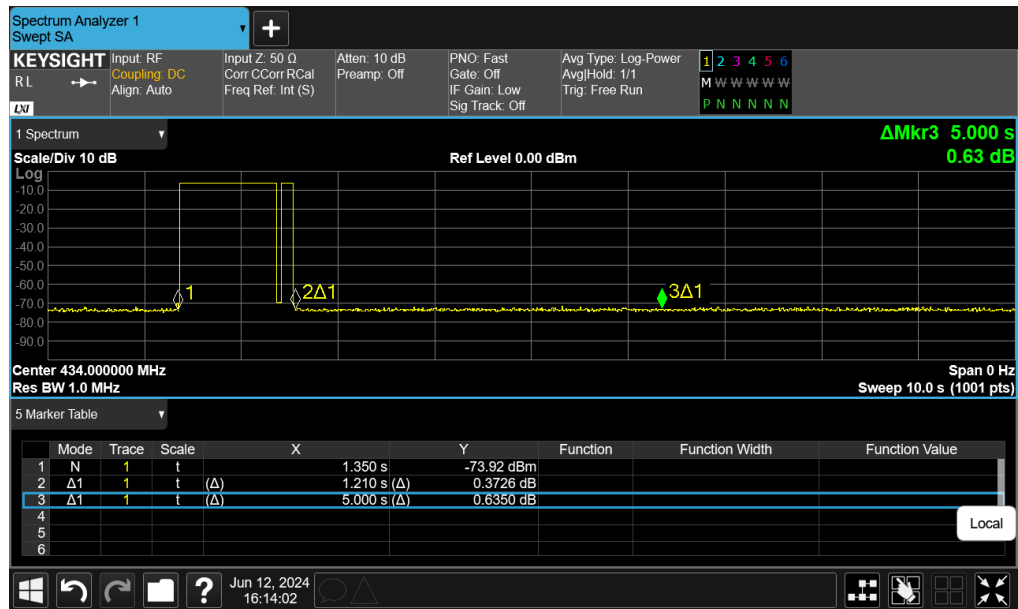
312.1MHz



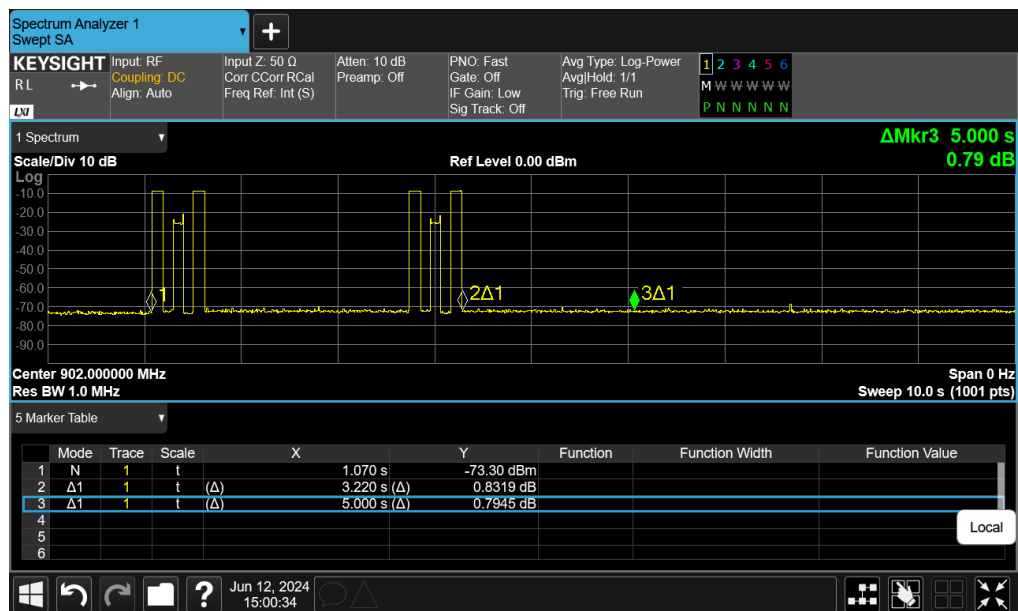
315MHz



433.92MHz



902MHz



-----End of report-----