



FCC PART 15.247 TEST REPORT

For

Chengdu Vantron Technology, Ltd.

No.5 GaoPeng Road, Hi-Tech Zone, Chengdu, SiChuan, P.R. China 610045

FCC ID: 2AAGEVTTAB-5081N

Report Type: Equipment Name:

Original Report Tablet Computer

Report Number: RSC181119003-0F

Report Date: 2019-01-15

Sula Huang

Reviewed By: EMC Director

Bay Area Compliance Laboratories Corp. (Chengdu)

No.5040, Huilongwan Plaza, No. 1, Shawan Road,

Jinniu District, Chengdu, Sichuan, China

Prepared By: Tel: +86-28-65525123

Fax: +86-28-65525125 www.baclcorp.com

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The Chengdu Vantron Technology, Ltd., model number: VT-TABLET-5081-N (FCC ID: 2AAGEVTTAB-5081N) or the "EUT" as referred to in this report was the Tablet Computer.

Mechanical Description of EUT

The EUT was measured approximately: 235 mm (L) x 153 mm (W) x 21 mm (H). Rated input voltage: DC 3.8V rechargeable Li-ion battery or DC 5V from adapter

Adapter Information Manufacturer: Anthin Model: APS318-0530

Input: AC 100-220V; 50/60Hz

Output: DC 5V, 3A

Note: The products, test model: VT-TABLET-5081-N, multiple model: ETAB-8-VAN-02-B. Their differences only in model number. So we selected model VT-TABLET-5081-N to test.

*All measurement and test data in this report was gathered from final production sample, serial number: 181119003/01 (assigned by the BACL, Chengdu). It may have deviation from any other sample. The EUT supplied by the applicant was received on 2018-11-19, and EUT conformed to test requirement.

Objective

This report is prepared on behalf of *Chengdu Vantron Technology, Ltd.* in accordance with Part 2, Subpart J, Part 15, Subparts A and C of the Federal Communications Commission's rules.

The tests were performed in order to determine the Bluetooth BDR and EDR mode of EUT compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Related Submittal(s)/Grant(s)

FCC Part 15B JBP submissions with FCC ID: 2AAGEVTTAB-5081N FCC Part 15C DTS submissions with FCC ID: 2AAGEVTTAB-5081N FCC Part 15E NII submissions with FCC ID: 2AAGEVTTAB-5081N

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Measurement Uncertainty

Item	Uncertainty		
AC power line conducte	2.93 dB		
	201411- 2001411-	Η	4.63 dB
	30MHz-200MHz	V	4.88 dB
	0000411- 4011-	Н	5.02 dB
Radiated Emission(Field Strength)	200MHz-1GHz	٧	6.06 dB
, ,	1GHz-6GHz		4.51 dB
	6GHz-18GHz		4.49 dB
	18GHz-40GHz	<u> </u>	5.48 dB

Test Methodology

All measurements contained in this report were conducted with:

ANSI C63.10-2013 American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Chengdu) to collect test data is located on the No. 5040, Huilongwan Plaza No. 1 Shawan Road Jinniu District Chengdu, Sichuan, China

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 910975 ,the FCC Designation No. : CN1186.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0005.

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SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in engineering mode.

Equipment Modifications

No modification was made to the EUT.

EUT Exercise Software

Test software: "RF test tool" installed in device was used during test, the setting was configured as below:

Test Software Version		RF test tool		
Test F	requency	2402MHz	2441MHz	2480MHz
GFSK	Power Level	0	0	0
π/4-DQPSK	Power Level	0	0	0
8PSK	Power Level	0	0	0

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
HUAWEI	Earphone	P9	None

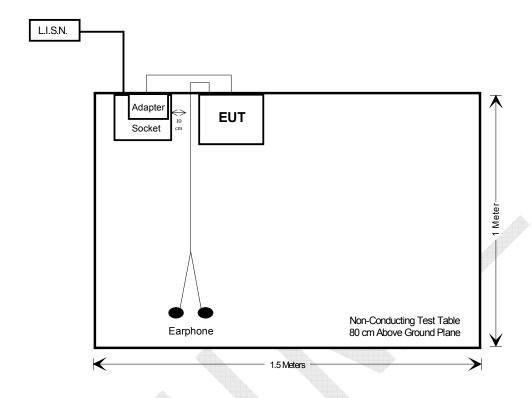
External I/O Cable

Cable Description	Length (m)	From	То
Unshielded Power Cable	1.2	Adapter	EUT
Unshielded Earphone Cable	1.0	EUT	Earphone

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Block Diagram of Test Setup

Conducted Emissions



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SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §15.247 & §1.1310 & §2.1093	RF Exposure	Compliance
§15.203	Antenna Requirement	Compliance
§15.207 (a)	Conducted Emissions	Compliance
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliance
§15.247 (a)(1)	20 dB Bandwidth	Compliance*
§15.247(a)(1)	Channel Separation Test	Compliance*
§15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	Compliance*
§15.247(a)(1)(iii)	Quantity of hopping channel Test	Compliance*
§15.247(b)(1)	Peak Output Power Measurement	Compliance*
§15.247(d)	Band Edges	Compliance*

Compliance*: The tablet computer, model number: VT-TABLET-5081-N, ETAB-8-VAN-02-B are identical to the granted product, model number: VT-TABLET-5081, ETAB-8-VAN-01-FNQ (FCC ID: 2AAGEVTTABLET-5081).

They are identical (such as external enclosure material, main board, layout of PCB, schematics, board layout, and internal structures etc.), except for the following differences:

- 1. Based on the original, these functions (NFC, GPS, Wireless charging and Fingerprint identification) and their corresponding major hardware were removed.
- 2. Replaced the original battery (UTG PL5758105-2P 3.7V 10000mAh 37Wh) with UTC PL528292 3.8V 6200mAh.

Based on the above changes, there is no influence on RF conducted. Therefore, the RF conducted was not tested and the test data were referred to the granted product, FCC ID: 2AAGEVTTABLET-5081, Report No.: RSC181119002-0F.

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TEST EQUIPMENTS LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
	(Conducted Emiss	ion		
Rohde & Schwarz	EMI Test Receiver	ESCS 30	836858/0016	2018-04-18	2019-04-19
Rohde & Schwarz	L.I.S.N.	ENV216	100018	2018-04-18	2019-04-19
HP	RF Limiter	11947A	3107A01270	2018-08-13	2019-08-12
Unknown	Conducted Cable	L-E003	000003	2018-11-02	2019-11-01
Rohde & Schwarz	EMC32	EMC32	V 8.52.0	N/A	N/A
		Radiated Emission	on		
EMCT	Semi-Anechoic Chamber	966	001	2017-05-18	2020-05-17
Sonoma	Pre-Amplifier	310N	186684	2018-08-24	2019-08-23
Rohde & Schwarz	Spectrum Analyzer	FSU26	20083	2018-05-09	2019-05-08
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2018-04-18	2019-04-17
A.H. Systems, Inc	Amplifier	PAM-0118P	467	2018-10-19	2019-10-18
EM Electronics	RF Pre-Amplifier	EM18G40	060725	2018-03-28	2019-03-27
SUNOL SCIENCES	Broadband Antenna	JB3	A121808	2017-05-19	2020-05-18
ETS	Horn Antenna	3115	003-6076	2017-05-19	2020-05-18
A.H. Systems, Inc	Horn Antenna	SAS-574	510	2017-05-19	2020-05-18
INMET	Attenuator	18N-6dB	64671	2018-10-27	2019-10-26
Sinoscite.,Co Ltd	Reject Band Filter	BSF 2402-2480MN	0898-005	2018-11-10	2019-11-09
Unknown	RF Cable (below 1GHz)	L-E005	000005	2018-10-27	2019-10-26
Unknown	RF Cable (below 1GHz)	T-E128	000128	2018-11-10	2019-11-09
Unknown	RF Cable (below 1GHz)	T-E129	000129	2018-11-10	2019-11-09
Unknown	RF Cable (above 1GHz)	T-E069	000069	2018-11-10	2019-11-09
Micro-coax	RF Cable (above 1GHz)	T-E209	MFR 64639 2310	2018-03-14	2019-03-13
Rohde & Schwarz	EMC32	EMC32	V 8.52.0	N/A	N/A

^{*} **Statement of Traceability:** BACL (Chengdu) attested that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

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FCC §15.247 (I) & §1.1310 & §2.1093- RF EXPOSURE

Applicable Standard

According to §15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance,

mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Measurement Result

The max conducted power including tune-up tolerance is 5.0 dBm (3.16mW). [(max. power of channel, mW)/(min. test separation distance, mm)][$\sqrt{f(GHz)}$] = 3.16/5*($\sqrt{2.48}$) = 1.0 < 3.0

So the stand-alone SAR evaluation is not necessary.

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FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 15.203, 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 shall be considered sufficient to comply with the provisions of this Section. 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.

Antenna Connector Construction

The EUT has one WIFI/BT antenna, which are permanently attached and fulfill the requirement of this section. Please refer to the EUT photos.

RF Module	Manufacturer	Antenna Model	Antenna Gain	Antenna Type
2.4G WLAN	shenzhen bogesi			
5G WLAN	communication	WCC-005A	3dBi	FPC Antenna
Bluetooth	technology co.,ltd			

Result: Compliance.

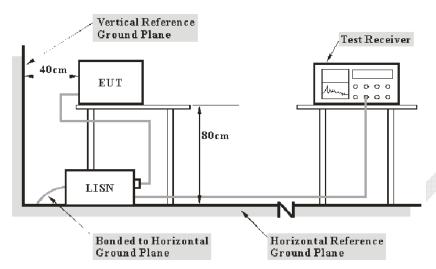
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FCC §15.207 (a) - AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207

EUT Setup



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

The adapter was connected to an AC 120 V/60 Hz power source.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the first LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

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Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$$V_C = V_R + A_C + VDF$$

Herein,

V_C: corrected voltage amplitude V_R: reading voltage amplitude A_c: attenuation caused by cable loss

VDF: voltage division factor of AMN or ISN

The "Margin" column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Corrected Amplitude

Test Data

Test Environment Conditions

Temperature:	21 °C		
Relative Humidity:	56 %		
ATM Pressure:	95.7 kPa		

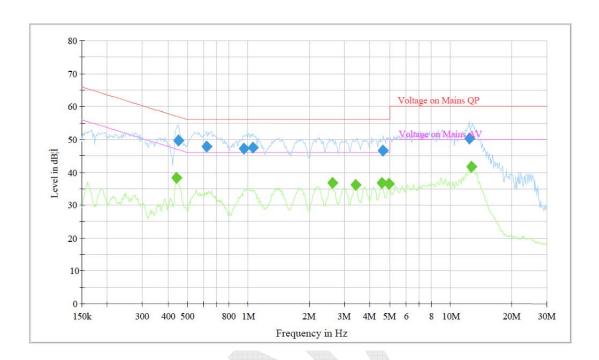
The testing was performed by Tom Tang on 2018-12-20.

Test Mode: Transmitting

Low channel of EDR (8DPSK) mode - Worst Case

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AC120 V, 60 Hz, Line:

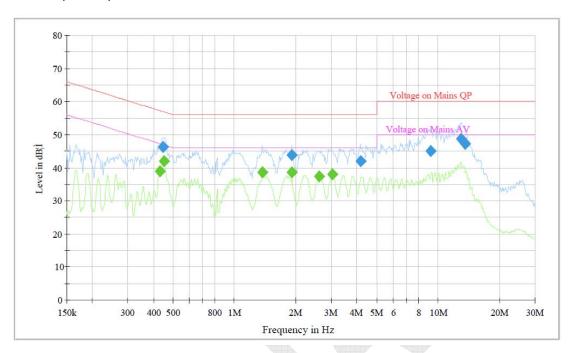


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Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.450448	49.5	9.000	L1	19.7	7.4	56.9
0.624492	47.7	9.000	L1	19.7	8.3	56.0
0.952654	47.1	9.000	L1	19.7	8.9	56.0
1.056628	47.5	9.000	L1	19.7	8.5	56.0
4.651370	46.5	9.000	L1	19.7	9.5	56.0
12.394424	50.3	9.000	L1	20.0	9.7	60.0

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.443327	38.3	9.000	L1	19.7	8.7	47.0
2.599932	36.6	9.000	L1	19.7	9.4	46.0
3.381891	36.3	9.000	L1	19.7	9.7	46.0
4.577832	36.8	9.000	L1	19.7	9.2	46.0
4.957528	36.5	9.000	L1	19.7	9.5	46.0
12.694276	41.7	9.000	L1	20.0	8.3	50.0

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AC120 V, 60 Hz, Neutral:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.446873	46.2	9.000	N	19.8	10.7	56.9
1.920710	43.8	9.000	N	19.8	12.2	56.0
4.160384	42.0	9.000	N	19.9	14.0	56.0
9.229680	45.1	9.000	N	20.0	14.9	60.0
13.001382	48.7	9.000	N	20.1	11.3	60.0
13.638064	47.1	9.000	N	20.1	12.9	60.0

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.429420	38.9	9.000	N	19.8	8.4	47.3
0.450448	42.1	9.000	N	19.8	4.8	46.9
1.374420	38.5	9.000	N	19.8	7.5	46.0
1.920710	38.7	9.000	N	19.8	7.3	46.0
2.599932	37.5	9.000	N	19.9	8.5	46.0
3.024908	38.0	9.000	N	19.9	8.0	46.0

Note:

- 1) Corrected Amplitude = Reading + Correction Factor
- 2) Correction Factor =LISN VDF (Voltage Division Factor) + Cable Loss + Transient Limiter
- 3) Margin = Limit Corrected Amplitude

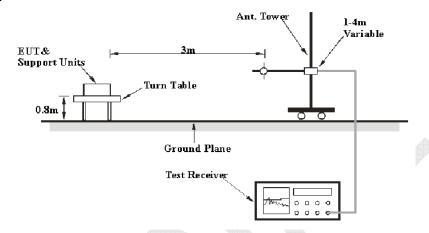
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

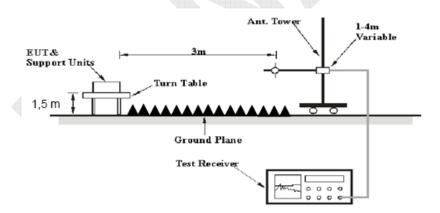
FCC §15.247 (d); §15.209; §15.205;

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.247 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

The adapter was connected to one AC 120 V/60 Hz power source.

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EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver setup was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP
Above 1GHz	1MHz	3 MHz	1	PK
ABOVE TOTIZ	1MHz	3 MHz	/	AV

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz - 1 GHz, peak and average detection modes for frequencies above 1 GHz.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude = Meter Reading + Antenna Factor + Cable Loss - Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Corrected Amplitude

Test Data

Test Environment Conditions

Temperature:	21°C
Relative Humidity:	61 %
ATM Pressure:	94.0 kPa

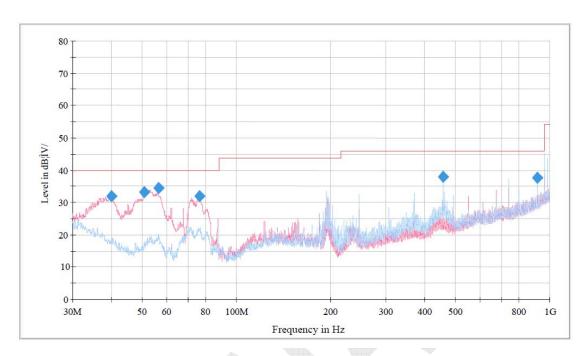
The testing was performed by Tom Tang on 2018-12-18

Test Mode: Transmitting

Low channel of EDR mode(8DPSK)-Worst Case

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30 MHz to 1 GHz:



Frequency (MHz)	QuasicPeak (dBµV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
39.894000	31.8	100.0	V	6.0	-10.8	8.2	40.0
50.758000	33.0	100.0	V	301.0	-16.7	7.0	40.0
56.481000	34.5	100.0	V	55.0	-17.1	5.5	40.0
76.269000	31.9	100.0	V	167.0	-16.4	8.1	40.0
456.121000	38.1	100.0	Н	110.0	-7.7	7.9	46.0
912.312000	37.5	100.0	Н	309.0	1.0	8.5	46.0

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1GHz-25GHz:

BDR Mode (GFSK):

	Receiver		Rx Antenna		Cable	Amplifier	Corrected			
Frequency	Reading	Measurement	Polar	Factor	loss	Gain	Amplitude	Limit	Margin	
MHz	dΒμV	PK/AV	H/V	dB(1/m)	dB	dB	dBμV/m	dBµV/m	dB	
	Frequency:2402 MHz									
2402	59.68	PK	Н	28.71	3.06	0.00	91.45	N/A	N/A	
2402	48.76	AV	Н	28.71	3.06	0.00	80.53	N/A	N/A	
2402	67.72	PK	V	28.71	3.06	0.00	99.49	N/A	N/A	
2402	56.47	AV	V	28.71	3.06	0.00	88.24	N/A	N/A	
2390	29.46	PK	V	28.67	3.06	0.00	61.19	74.00	12.81	
2390	16.15	AV	V	28.67	3.06	0.00	47.88	54.00	6.12	
4804	52.83	PK	V	33.85	4.35	44.73	46.30	74.00	27.70	
4804	39.09	AV	V	33.85	4.35	44.73	32.56	54.00	21.44	
7206	47.89	PK	V	36.39	5.41	43.92	45.77	74.00	28.23	
7206	34.94	AV	V	36.39	5.41	43.92	32.82	54.00	21.18	
			Fre	equency: 24	41MHz					
2441	60.56	PK	H	28.82	3.09	0.00	92.47	N/A	N/A	
2441	49.13	AV	Н	28.82	3.09	0.00	81.04	N/A	N/A	
2441	69.07	PK	V	28.82	3.09	0.00	100.98	N/A	N/A	
2441	57.92	AV	V	28.82	3.09	0.00	89.83	N/A	N/A	
4882	52.95	PK	٧	34.07	4.40	44.72	46.70	74.00	27.30	
4882	39.88	AV	V	34.07	4.40	44.72	33.63	54.00	20.37	
7323	47.43	PK	V	36.55	5.44	44.23	45.19	74.00	28.81	
7323	34.17	AV	V	36.55	5.44	44.23	31.93	54.00	22.07	
			Fr	equency:24	80MHz					
2480	61.98	PK	Н	28.94	3.12	0.00	94.04	N/A	N/A	
2480	50.22	AV	Н	28.94	3.12	0.00	82.28	N/A	N/A	
2480	71.03	PK	V	28.94	3.12	0.00	103.09	N/A	N/A	
2480	60.31	AV	V	28.94	3.12	0.00	92.37	N/A	N/A	
2483.5	31.73	PK	V	28.95	3.12	0.00	63.80	74.00	10.20	
2483.5	20.32	AV	V	28.95	3.12	0.00	52.39	54.00	*1.61	
4960	54.08	PK	V	34.29	4.44	44.71	48.10	74.00	25.90	
4960	41.20	AV	V	34.29	4.44	44.71	35.22	54.00	18.78	
7440	47.55	PK	V	36.72	5.48	44.54	45.21	74.00	28.79	
7440	33.88	AV	V	36.72	5.48	44.54	31.54	54.00	22.46	

*Within measurement uncertainty!

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EDR Mode (π/4-DQPSK):

_	R	eceiver	Rx Aı	ntenna	Cable	Amplifier	Corrected		
Frequency	Reading	Measurement	Polar	Factor	loss	Gain	Amplitude	Limit	Margin
MHz	dΒμV	PK/AV	H/V	(dB/m)	dB	dB	dBμV/m	dBμV/m	dB
			Frequ	ency:2402	MHz				
2402	59.75	PK	Н	28.71	3.06	0.00	91.52	N/A	N/A
2402	48.13	AV	Н	28.71	3.06	0.00	79.90	N/A	N/A
2402	67.14	PK	V	28.71	3.06	0.00	98.91	N/A	N/A
2402	55.40	AV	V	28.71	3.06	0.00	87.17	N/A	N/A
2390	27.58	PK	V	28.67	3.06	0.00	59.31	74.00	14.69
2390	15.94	AV	V	28.67	3.06	0.00	47.67	54.00	6.33
4804	52.40	PK	V	33.85	4.35	44.73	45.87	74.00	28.13
4804	38.31	AV	V	33.85	4.35	44.73	31.78	54.00	22.22
7206	46.98	PK	V	36.39	5.41	43.92	44.86	74.00	29.14
7206	33.79	AV	V	36.39	5.41	43.92	31.67	54.00	22.33
			Fred	quency:244	1 MHz				
2441	58.49	PK	Н	28.82	3.09	0.00	90.40	N/A	N/A
2441	46.28	AV	Н	28.82	3.09	0.00	78.19	N/A	N/A
2441	66.57	PK	V	28.82	3.09	0.00	98.48	N/A	N/A
2441	54.46	AV	V	28.82	3.09	0.00	86.37	N/A	N/A
4882	51.30	PK	V	34.07	4.40	44.72	45.05	74.00	28.95
4882	38.27	AV	V	34.07	4.40	44.72	32.02	54.00	21.98
7323	45.36	PK	٧	36.55	5.44	44.23	43.12	74.00	30.88
7323	33.59	AV	V	36.55	5.44	44.23	31.35	54.00	22.65
			Frequ	uency:2480	MHz				
2480	57.11	PK	Н	28.94	3.12	0.00	89.17	N/A	N/A
2480	44.20	AV	Н	28.94	3.12	0.00	76.26	N/A	N/A
2480	66.47	PK	V	28.94	3.12	0.00	98.53	N/A	N/A
2480	53.50	AV	V	28.94	3.12	0.00	85.56	N/A	N/A
2483.5	30.14	PK	V	28.95	3.12	0.00	62.21	74.00	11.79
2483.5	19.27	AV	V	28.95	3.12	0.00	51.34	54.00	*2.66
4960	50.43	PK	V	34.29	4.44	44.71	44.45	74.00	29.55
4960	38.61	AV	V	34.29	4.44	44.71	32.63	54.00	21.37
7440	44.22	PK	V	36.72	5.48	44.54	41.88	74.00	32.12
7440	33.22	AV	V	36.72	5.48	44.54	30.88	54.00	23.12

^{*}Within measurement uncertainty!

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EDR Mode (8-DPSK):

_	R	Receiver	Rx Aı	ntenna	Cable	Amplifier	Corrected		
Frequency	Reading	Measurement	Polar	Factor	loss	Gain	Amplitude	Limit	Margin
MHz	dΒμV	PK/AV	H/V	(dB/m)	dB	dB	dBµV/m	dBμV/m	dB
Frequency:2402 MHz									
2402	60.00	PK	Н	28.71	3.06	0.00	91.77	N/A	N/A
2402	49.73	AV	Н	28.71	3.06	0.00	81.50	N/A	N/A
2402	67.46	PK	V	28.71	3.06	0.00	99.23	N/A	N/A
2402	57.35	AV	V	28.71	3.06	0.00	89.12	N/A	N/A
2390	27.21	PK	V	28.67	3.06	0.00	58.94	74.00	15.06
2390	15.85	AV	V	28.67	3.06	0.00	47.58	54.00	6.42
4804	52.08	PK	V	33.85	4.35	44.73	45.55	74.00	28.45
4804	38.10	AV	V	33.85	4.35	44.73	31.57	54.00	22.43
7206	47.43	PK	V	36.39	5.41	43.92	45.31	74.00	28.69
7206	34.24	AV	V	36.39	5.41	43.92	32.12	54.00	21.88
	T		Fre	quency: 24	11 MHz			T	
2441	58.79	PK	Н	28.82	3.09	0.00	90.70	N/A	N/A
2441	46.80	AV	H	28.82	3.09	0.00	78.71	N/A	N/A
2441	67.01	PK	V	28.82	3.09	0.00	98.92	N/A	N/A
2441	55.22	AV	V	28.82	3.09	0.00	87.13	N/A	N/A
4882	51.55	PK	V	34.07	4.40	44.72	45.30	74.00	28.70
4882	38.45	AV	V	34.07	4.40	44.72	32.20	54.00	21.80
7323	45.87	PK	V	36.55	5.44	44.23	43.63	74.00	30.37
7323	33.40	AV	V	36.55	5.44	44.23	31.16	54.00	22.84
			Fre	quency: 248	0 MHz	i		i	.
2480	58.02	PK	Н	28.94	3.12	0.00	90.08	N/A	N/A
2480	44.02	AV	Н	28.94	3.12	0.00	76.08	N/A	N/A
2480	66.77	PK	V	28.94	3.12	0.00	98.83	N/A	N/A
2480	53.53	AV	V	28.94	3.12	0.00	85.59	N/A	N/A
2483.5	29.06	PK	V	28.95	3.12	0.00	61.13	74.00	12.87
2483.5	18.31	AV	V	28.95	3.12	0.00	50.38	54.00	*3.62
4960	51.34	PK	V	34.29	4.44	44.71	45.36	74.00	28.64
4960	38.97	AV	V	34.29	4.44	44.71	32.99	54.00	21.01
7440	44.50	PK	V	36.72	5.48	44.54	42.16	74.00	31.84
7440	33.14	AV	V	36.72	5.48	44.54	30.80	54.00	23.20

^{*}Within measurement uncertainty!

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Bay Area Compliance Laboratories Corp. (Chengdu)

Other non-harmonic spurious Emission-worst case (EDR Mode (π /4-DQPSK): Low Channel)

	Receiver		Rx A	ntenna	Cable	Amplifier	Corrected		
Frequency	Reading	Measurement	Polar	Factor	loss	Gain	Amplitude	Limit	Margin
MHz	dΒμV	PK/AV	H/V	dB(1/m)	dB	dB	dBµV/m	dBµV/m	dB
1367	70.75	PK	V	24.68	2.31	43.51	54.23	74.00	19.77
1367	59.49	AV	V	24.68	2.31	43.51	42.97	54.00	11.03
2281	68.79	PK	V	28.34	2.98	43.87	56.24	74.00	17.76
2281	58.53	AV	V	28.34	2.98	43.87	45.98	54.00	8.02
3193	63.57	PK	V	31.06	3.52	44.32	53.83	74.00	20.17
3193	47.65	AV	V	31.06	3.52	44.32	37.91	54.00	16.09
4101	60.02	PK	V	32.76	4.00	44.61	52.17	74.00	21.83
4101	45.36	AV	V	32.76	4.00	44.61	37.51	54.00	16.49
1367	67.93	PK	Н	24.68	2.31	43.51	51.41	74.00	22.59
1367	55.95	AV	Н	24.68	2.31	43.51	39.43	54.00	14.57
2281	68.38	PK	Н	28.34	2.98	43.87	55.83	74.00	18.17
2281	54.02	AV	Н	28.34	2.98	43.87	41.47	54.00	12.53
3193	55.71	PK	Н	31.06	3.52	44.32	45.97	74.00	28.03
3193	41.88	AV	Н	31.06	3.52	44.32	32.14	54.00	21.86
4101	59.61	PK	Н	32.76	4.00	44.61	51.76	74.00	22.24
4101	43.96	AV	Н	32.76	4.00	44.61	36.11	54.00	17.89

Note:

Corrected Amplitude = Corrected Factor + Reading

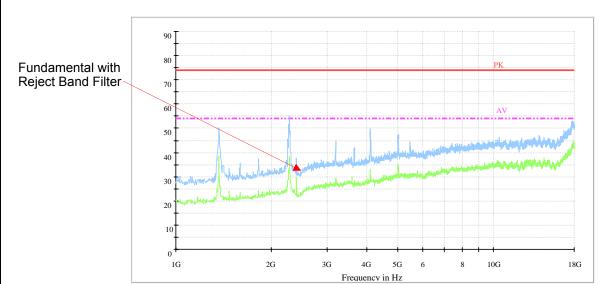
Corrected Factor=Antenna factor (RX) + Cable Loss – Amplifier Factor Margin = Limit- Corr. Amplitude

Spurious emissions more than 20 dB below the limit were not reported.

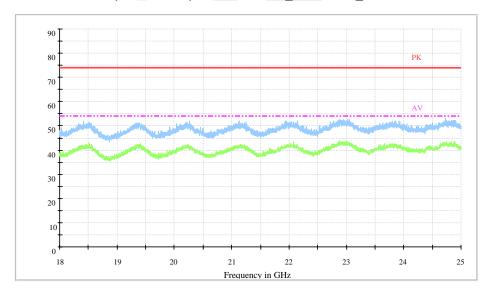
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Please refer to the below pre-scan plot of worst case:

EDR Mode ($\pi/4$ -DQPSK): Low Channel_Horizontal_1GHz-18GHz

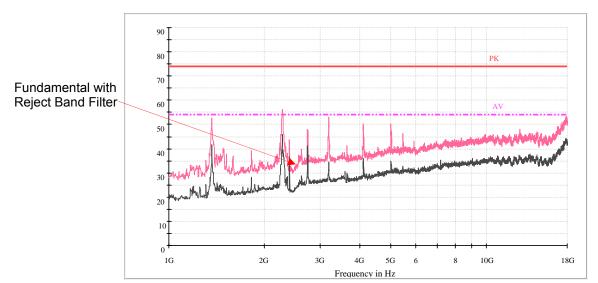


EDR Mode (π/4-DQPSK): Low Channel_Horizontal_18GHz-25GHz

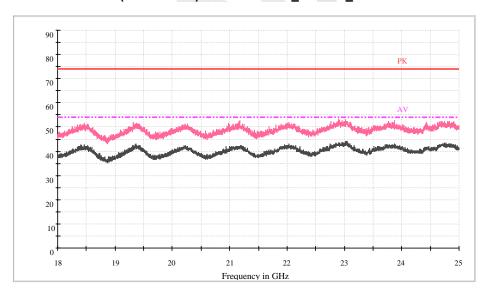


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EDR Mode ($\pi/4$ -DQPSK): Low Channel_Vertical_1GHz-18GHz



EDR Mode (π/4-DQPSK): Low Channel_Vertical_18GHz-25GHz



****END OF REPORT****