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FCC ID: 2AQ8A-EKSWR1N Report No.: TMWK2112001584KR

RADIO TEST REPORT FCC 47 CFR PART 15 SUBPART C

Test Standard

FCC Part 15.247

Product name

Enkore Smart Wall Reader Narrow

Brand Name

Pamex

Model No.

EKS-WR1N

Test Result

Pass

Statements of

Conformity

Determination of compliance is based on the results of the compliance measurement, not taking into account

measurement instrumentation uncertainty.

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10: 2013 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc. (Wugu Laboratory)

Approved by:

sehni. Hu

Sehni Hu Supervisor

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非只有论明,此起华廷国旗影响建立,是可谓此种国旗及风口工,未想件上领于公司建筑流河,不可谓以海剿。

除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	January 19, 2022	Initial Issue	ALL	Doris Chu
01	January 26, 2022	See the following Note Rev. (01)	P.7, P.12, P.15~P.18, A-3~A-4	Doris Chu

Rev. (01)

^{1.} Added conduction data in section 4.1.



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1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	Pamex Inc. 4680 Vinita Court, Chino, CA, 91710, United States
Manufacturer	ALZK Co., Ltd. 9F., No. 36, Sec. 3, Bade Rd., Songshan Dist., Taipei City, Taiwan
Equipment	Enkore Smart Wall Reader Narrow
Model No.	EKS-WR1N
Model Discrepancy	N/A
Trade Name	Pamex
Received Date	December 24, 2021
Date of Test	December 28, 2021 ~ January 24, 2022
Power Supply	Power from Power supply. (12V)
HW Version	V0.0.2
SW Version	00.00.03

- 1. For more details, please refer to the User's manual of the EUT.
- 2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.



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1.2 EUT CHANNEL INFORMATION

Frequency Range	2402MHz-2480MHz
Modulation Type	GFSK for BLE 1 Mbps & BLE 2 Mbps
Number of channels	40 Channels

Remark:

Refer as ANSI C63.10: 2013 clause 5.6.1 Table 4 for test channels

Number of frequencies to be tested					
Frequency range in Number of Location in frequency which device operates frequencies range of operation					
1 MHz or less	1	Middle			
1 MHz to 10 MHz	2	1 near top and 1 near bottom			
More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom			

1.3 ANTENNA INFORMATION

Antenna Type	☐ FPC ⊠ PCB ☐ Dipole ☐ Coils
Antenna Gain	Gain :3.3 dBi

^{1.}The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203.



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1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	+/- 1.2575
Emission bandwidth, 6dB bandwidth	+/- 0.0014
RF output power, conducted	+/- 1.14
Power density, conducted	+/- 1.40
3M Semi Anechoic Chamber / 30 MHz ~1 GHz (Horizontally)	+/- 3.91
3M Semi Anechoic Chamber / 30 MHz ~1 GHz (Vertically)	+/- 4.57
3M Semi Anechoic Chamber / 1 GHz ~ 6 GHz	+/- 5.20
3M Semi Anechoic Chamber / 6 GHz ~ 18 GHz	+/- 5.18
3M Semi Anechoic Chamber / 18 GHz ~ 40 GHz	+/- 3.68

- 1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2
- 2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.



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1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan. (R.O.C.)

CAB identifier: TW1309

Test site	Test Engineer	Remark
AC Conduction Room	Jack Chen	-
Radiation	Ray Li, Tony Chao	-
RF Conducted	Marco Chan	-

Remark: The lab has been recognized as the FCC accredited lad under the KDB 974614 D01 and is listed in the FCC pubic Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309

1.6 INSTRUMENT CALIBRATION

RF Conducted Test Site						
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due	
EXA Signal Analyzer	KEYSIGHT	N9010B	MY59071573	05/25/2021	05/24/2022	
Power Meter	Anritsu	ML2496A	2136002	12/06/2021	12/05/2022	
Power Seneor	Anritsu	MA2411B	1911387	08/19/2021	08/18/2022	
Power Seneor	Anritsu	MA2411B	1911386	08/19/2021	08/18/2022	
DC Power Supplies	GW Instek	SPS-3610	GPE880163	12/21/2021	12/20/2022	
Software	Radio Test Software				_	

Conducted Emission Room						
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due	
CABLE	EMCI	CFD300-NL	CERF	06/28/2021	06/27/2022	
EMI Test Receiver	R&S	ESCI	100064	07/05/2021	07/04/2022	
LISN	SCHAFFNER	NNB 41	03/10013	02/02/2021	02/01/2022	
DC Power Supplies	GW Instek	SPS-3610	GPE880163	12/21/2021	12/20/2022	
Software	EZ-EMC(CCS-3A1-CE-WUGU)					



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3M 966 Chamber Test Site						
Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal Due	
Band Reject Filters	MICRO TRONICS	BRM 50702	112	11/23/2021	11/22/2022	
Bilog Antenna	Sunol Sciences	JB3	A030105	07/19/2021	07/18/2022	
Coaxial Cable	HUBER SUHNER	SUCOFLEX 104PEA	20995	02/24/2021	02/23/2022	
Coaxial Cable	EMCI	EMC105	190914+1111	09/17/2021	09/16/2022	
Coaxial Cable	Woken	J-1099	201709090004	12/21/2021	12/20/2022	
Digital Thermo-Hygro Meter	WISEWIND	1206	D07	12/28/2021	12/27/2022	
Horn Antenna	ETS LINDGREN	3116	00026370	11/30/2021	11/29/2022	
Horn Antenna	ETS LINDGREN	3117	00055165	07/29/2021	07/28/2022	
K Type Cable	Huber+Suhner	SUCOFLEX 102	29406/2	12/05/2021	12/04/2022	
Loop Ant	COM-POWER	AL-130	121051	04/07/2021	04/06/2022	
Pre-Amplifier	EMEC	EM330	060609	02/24/2021	02/23/2022	
Pre-Amplifier	HP	8449B	3008A00965	12/24/2021	12/23/2022	
PSA Series Spectrum Analyzer	Agilent	E4446A	MY46180323	12/06/2021	12/05/2022	
DC Power Supplies	GW Instek	SPS-3610	GPE880163	12/21/2021	12/20/2022	
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R	
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R	
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R	
Software		e3 6.11-2	20180413			

Remark: Each piece of equipment is scheduled for calibration once a year.



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1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

	EUT Accessories Equipment						
No.	No. Equipment Brand Model Series No. FCC ID						
	N/A						

	Support Equipment											
No.	Equipment	Brand	Model Series No.		FCC ID	IC						
1	NB	Lenovo	T460P	N/A	N/A	N/A						
2	NB(J)	TOSHIBA	PT345T-00L002	N/A	PD97260H	1000M-7260H						
3	Micro to USB	ADATA	AMUCAL-100CMK	N/A	N/A	N/A						

1.8 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10:2013, FCC Part 2, FCC Part 15.247 and FCC KDB 558074.



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2. TEST SUMMARY

FCC Standard Section	Report Section	Test Item	Result
15.203	1.3	Antenna Requirement	Pass
15.207(a)	4.1	AC Conducted Emission	Pass
15.247(a)(2)	4.2	6 dB Bandwidth	Pass
-	4.2	Occupied Bandwidth (99%)	Pass
15.247(b)(3)	4.3	Output Power Measurement	Pass
15.247(e)	4.4	Power Spectral Density	Pass
15.247(d)	4.5	Conducted Band Edge	Pass
15.247(d)	4.5	Conducted Spurious Emission	Pass
15.247(d)	4.6	Radiation Band Edge	Pass
15.247(d)	4.6	Radiation Spurious Emission	Pass



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3. DESCRIPTION OF TEST MODES

3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	BLE Mode (1Mbps) BLE Mode (2Mbps)
Test Channel Frequencies	1.Lowest Channel : 2402MHz 2.Middle Channel : 2442MHz 3.Highest Channel : 2480MHz

^{1.} EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.



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Mode 4

3.2 THE WORST MODE OF MEASUREMENT

	AC Power Line Conducted Emission				
Test Condition	AC Power line conducted emission for line and neutral				
Power supply Mode	Mode 1: EUT power by Power Supply				
Worst Mode					
F	Radiated Emission Measurement Above 1G				
Test Condition	Radiated Emission Above 1G				
Power supply Mode	Mode 1: EUT power by Power supply				
Worst Mode					
Worst Position	 ☐ Placed in fixed position. ☐ Placed in fixed position at X-Plane (E2-Plane) ☐ Placed in fixed position at Y-Plane (E1-Plane) ☐ Placed in fixed position at Z-Plane (H-Plane) 				
F	Radiated Emission Measurement Below 1G				
Test Condition	Radiated Emission Below 1G				
Power supply Mode	Mode 1: EUT power by Power supply				

Remark:

Worst Mode

- 1. The worst mode was record in this test report.
- 2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(Y-Plane) were recorded in this report

3. AC power line conducted emission and for below 1G radiation emission were performed the EUT transmit at the highest output power channel as worse case.



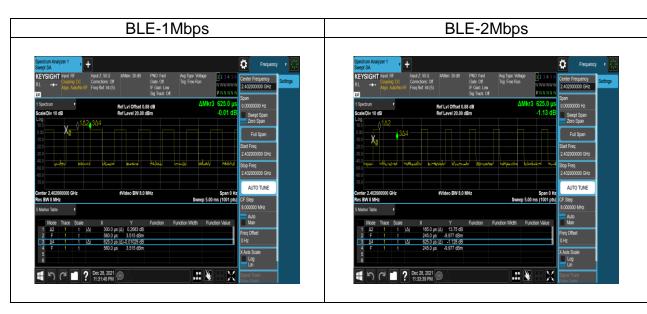
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3.3 EUT DUTY CYCLE

Temperature: $17.9 \sim 21.4^{\circ}$ C **Humidity:** $51 \sim 63\%$ RH

Tested by: Marco Chan Test date: December 28, 2021 ~ January 4, 2022

	Duty Cycle										
Configuration	Duty Cycle (%)	Duty Factor (dB)	1/T (kHz)	VBW Setting (kHz)							
BLE-1Mbps	48.00	3.19	3.33	4.00							
BLE-2Mbps	26.00	5.85	6.06	7.00							





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4. TEST RESULT

4.1 AC POWER LINE CONDUCTED EMISSION

4.1.1 Test Limit

According to §15.207(a),

Frequency Range	Limits(dBμV)				
(MHz)	Quasi-peak	Average			
0.15 to 0.50	66 to 56*	56 to 46*			
0.50 to 5	56	46			
5 to 30	60	50			

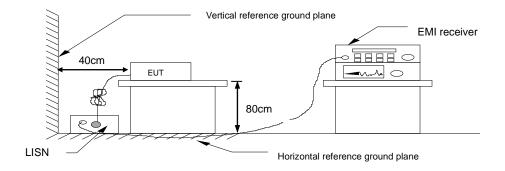
^{*} Decreases with the logarithm of the frequency.

4.1.2 Test Procedure

Test method Refer as ANSI C63.10: 2013 clause 6.2,

- The EUT was placed above horizontal ground plane and 0.4m above vertical ground plane
- 2. EUT connected to the line impedance stabilization network (LISN)
- Receiver set RBW of 9kHz and Detector Peak, and note as quasi-peak and average.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. Recorded Line for Neutral and Line.

4.1.3 Test Setup



4.1.4 Test Result

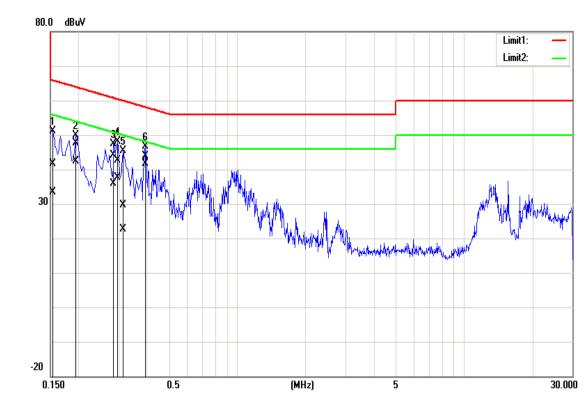
PASS



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Test Data

Test Mode:	Mode 1	Temp/Hum	20.1(°C)/ 63%RH
Phase:	Line	Test Date	January 24, 2022
Configuration	BLE-1Mbps	Test Engineer	Jack Chen

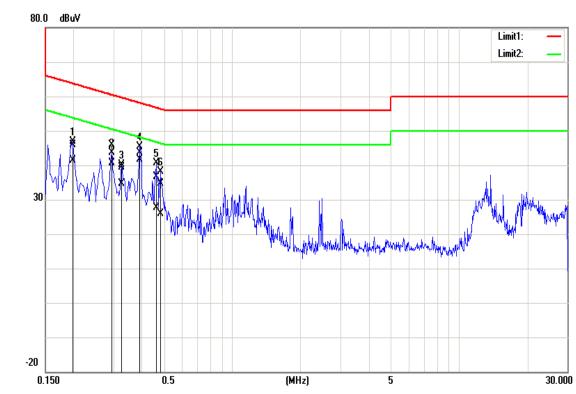


Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (dBuV)	Correctio n factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak Iimit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1540	31.35	22.97	10.29	41.64	33.26	65.78	55.78	-24.14	-22.52	Pass
0.1940	37.25	32.05	10.29	47.54	42.34	63.86	53.86	-16.32	-11.52	Pass
0.2860	33.91	25.56	10.29	44.20	35.85	60.64	50.64	-16.44	-14.79	Pass
0.2980	32.37	27.42	10.29	42.66	37.71	60.30	50.30	-17.64	-12.59	Pass
0.3140	19.33	12.43	10.29	29.62	22.72	59.86	49.86	-30.24	-27.14	Pass
0.3940	33.47	31.45	10.29	43.76	41.74	57.98	47.98	-14.22	-6.24	Pass



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Test Mode:	Mode 1	Temp/Hum	20.1(°C)/ 63%RH
Phase:	Neutral	Test Date	January 24, 2022
Configuration	BLE-1Mbps	Test Engineer	Jack Chen

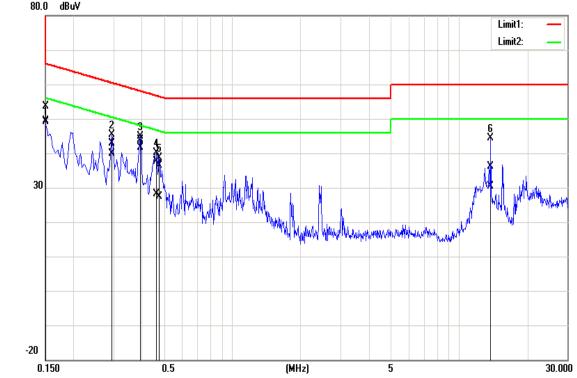


Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (dBuV)	Correctio n factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak Iimit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1980	35.70	31.01	10.29	45.99	41.30	63.69	53.69	-17.70	-12.39	Pass
0.2940	35.49	30.43	10.29	45.78	40.72	60.41	50.41	-14.63	-9.69	Pass
0.3260	29.10	24.30	10.29	39.39	34.59	59.55	49.55	-20.16	-14.96	Pass
0.3900	33.26	31.46	10.29	43.55	41.75	58.06	48.06	-14.51	-6.31	Pass
0.4620	26.22	17.24	10.29	36.51	27.53	56.66	46.66	-20.15	-19.13	Pass
0.4820	24.26	15.65	10.29	34.55	25.94	56.30	46.30	-21.75	-20.36	Pass



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Test Mode:	Mode 1	Temp/Hum	20.1(°C)/ 63%RH		
Phase:	Line	Test Date	January 24, 2022		
Configuration	BLE-2Mbps	Test Engineer	Jack Chen		
	•				
80.0 dBuV			Limit1· —		
			Limit1: —		

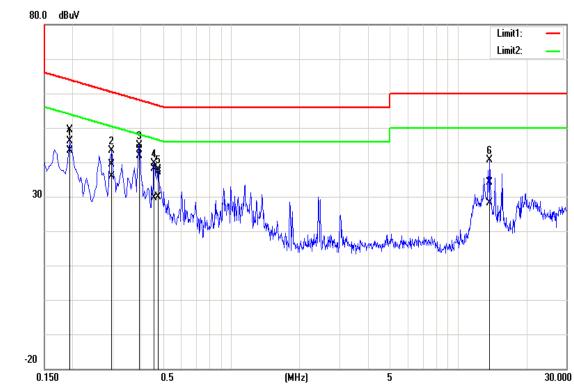


Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (dBuV)	Correctio n factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak Iimit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1500	43.41	38.95	10.29	53.70	49.24	66.00	56.00	-12.30	-6.76	Pass
0.2940	32.57	29.48	10.29	42.86	39.77	60.41	50.41	-17.55	-10.64	Pass
0.3940	33.48	31.32	10.29	43.77	41.61	57.98	47.98	-14.21	-6.37	Pass
0.4620	27.41	17.78	10.29	37.70	28.07	56.66	46.66	-18.96	-18.59	Pass
0.4780	26.19	16.98	10.29	36.48	27.27	56.37	46.37	-19.89	-19.10	Pass
13.8220	25.78	19.84	10.46	36.24	30.30	60.00	50.00	-23.76	-19.70	Pass



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Test Mode:	Mode 1	Temp/Hum	20.1(°C)/ 63%RH
Phase:	Neutral	Test Date	January 24, 2022
Configuration	BLE-2Mbps	Test Engineer	Jack Chen
	-		



Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (dBuV)	Correctio n factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak Iimit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
0.1940	39.14	33.11	10.29	49.43	43.40	63.86	53.86	-14.43	-10.46	Pass
0.2980	29.16	25.47	10.29	39.45	35.76	60.30	50.30	-20.85	-14.54	Pass
0.3940	33.25	31.49	10.29	43.54	41.78	57.98	47.98	-14.44	-6.20	Pass
0.4580	27.81	19.29	10.29	38.10	29.58	56.73	46.73	-18.63	-17.15	Pass
0.4780	26.91	19.59	10.29	37.20	29.88	56.37	46.37	-19.17	-16.49	Pass
13.8260	23.56	17.58	10.46	34.02	28.04	60.00	50.00	-25.98	-21.96	Pass



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4.26dB BANDWIDTH AND OCCUPIED BANDWIDTH (99%)

4.2.1 Test Limit

According to §15.247(a)(2)

6 dB Bandwidth :

Limit	Shall be at least 500kHz
-------	--------------------------

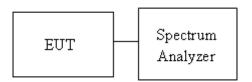
Occupied Bandwidth(99%) : For reporting purposes only.

4.2.2 Test Procedure

Test method Refer as ANSI C63.10: 2013,

- 1. The EUT RF output connected to the spectrum analyzer by RF cable.
- 2. Setting maximum power transmit of EUT.
- 3. SA set RBW =100KHz, VBW = 300KHz and Detector = Peak, to measurement 6dB Bandwidth.
- 4. SA set RBW = 1% ~ 5% OBW, VBW = three times the RBW and Detector = Peak, to measurement 99% Bandwidth.
- 5. Measure and record the result of 6 dB Bandwidth and 99% Bandwidth. in the test report.

4.2.3 Test Setup





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4.2.4 Test Result

Temperature: $17.9 \sim 21.4^{\circ}$ C **Humidity:** $51 \sim 63\%$ RH

Tested by: Marco Chan Test date: December 28, 2021 ~ January 4, 2022

Test mode: BLE-1Mbps mode / 2402-2480 MHz						
Channel Frequency OBW (99%) 6dB BW 6dB limit (MHz) (MHz) (kHz)						
Low	2402	1.0607	0.6873			
Mid	2442	1.0646	0.6737	≥500		
High	2480	1.0649	0.6743			

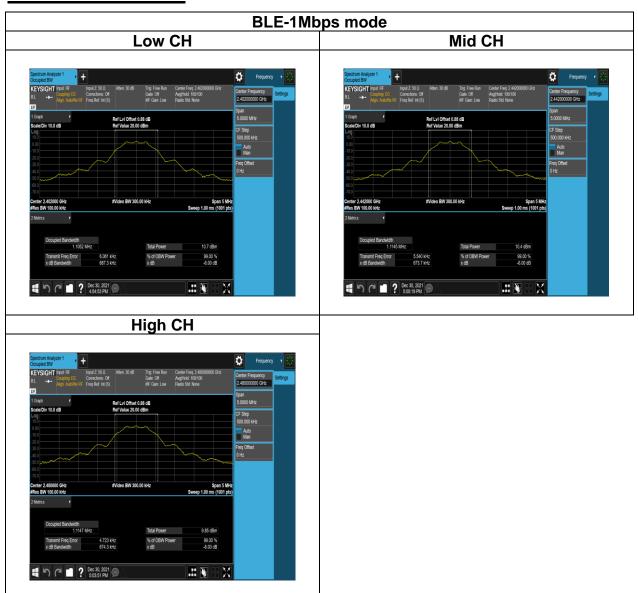
	Test mode: BLE-2Mbps mode / 2402-2480 MHz							
Channel Frequency OBW (99%) 6dB BW 6dB limit (MHz) (MHz) (kHz)								
Low	2402	2.0223	1.042					
Mid	2442	2.0097	1.007	≥500				
High	2480	2.0233	1.025					



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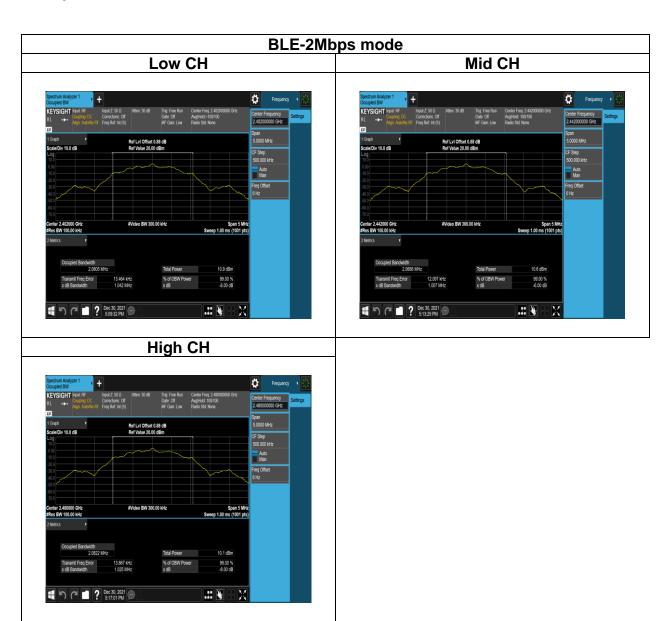
Test Data

6dB BANDWIDTH





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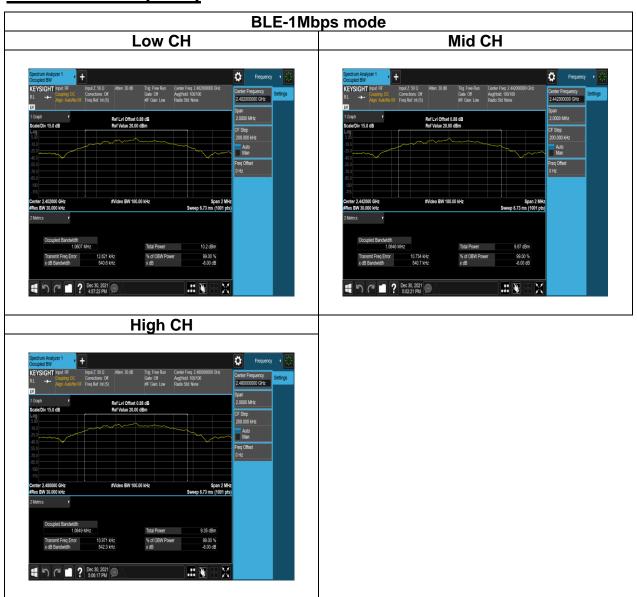




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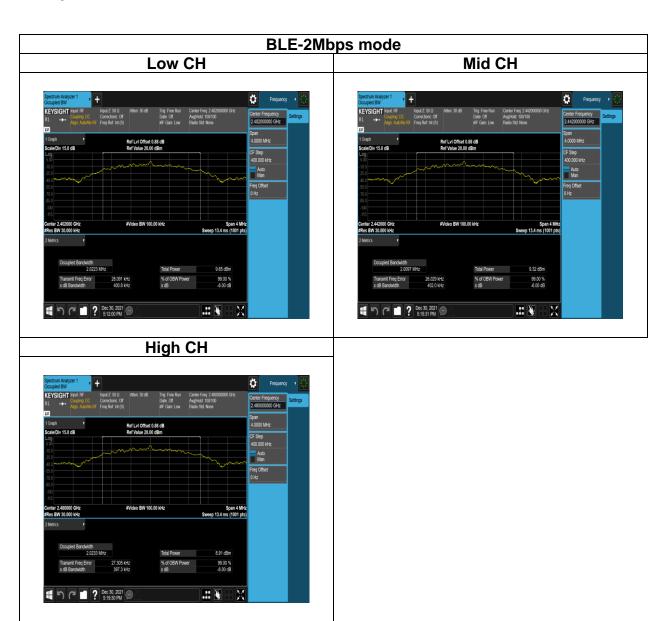
Test Data

BANDWIDTH (99%)





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4.3 OUTPUT POWER MEASUREMENT

4.3.1 Test Limit

According to §15.247(b)(3)

Peak output power:

FCC

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement,

Limit Antenna not exceed 6 dBi: 30dBm Antenna with DG greater than 6 dBi [Limit = 30 - (DG - 6)] Point-to-point operation	

Average output power: For reporting purposes only.



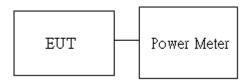
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4.3.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

- 1. The EUT RF output connected to the power meter by RF cable.
- 2. Setting maximum power transmit of EUT.
- 3. The path loss was compensated to the results for each measurement.
- 4. Measure and record the result of Peak output power and Average output power. in the test report.

4.3.3 Test Setup





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4.3.4 Test Result

Temperature: $17.9 \sim 21.4^{\circ}$ C **Humidity:** $51 \sim 63\%$ RH

Tested by: Marco Chan Test date: December 28, 2021 ~ January 4, 2022

Peak output power:

BLE 1M mode:

СН	Frequency (MHz)	Power set	Peak Power Output (dBm)	Required Limit (dBm)
Low	2402	default	4.33	30
Mid	2442	default	4.01	30
High	2480	default	3.58	30

BLE 2M mode:

СН	Frequency (MHz)	Power set	Peak Power Output (dBm)	Required Limit (dBm)
Low	2402	default	4.32	30
Mid	2442	default	4.02	30
High	2480	default	3.57	30

Average output power:

BLE 1M mode:

СН	Frequency (MHz)	Power set	Max. Avg. Output include tune up tolerance Power (dBm)	Required Limit (dBm)
Low	2402	default	4.25	30
Mid	2442	default	3.95	30
High	2480	default	3.56	30

BLE 2M mode:

СН	Frequency (MHz)	Power set	Max. Avg. Output include tune up tolerance Power (dBm)	Required Limit (dBm)			
Low	2402	default	4.20	30			
Mid	2442	default 3.89		30			
High	2480	default	3.52	30			



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4.4 POWER SPECTRAL DENSITY

4.4.1 Test Limit

According to §15.247(e)

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

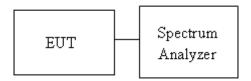
Limit	 ✓ Antenna not exceed 6 dBi : 8dBm ☐ Antenna with DG greater than 6 dBi [Limit = 8 - (DG - 6)] ☐ Point-to-point operation :
-------	---

4.4.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

- 1. The EUT RF output connected to the spectrum analyzer by RF cable.
- 2. Setting maximum power transmit of EUT
- 3. SA set RBW = 3kHz, VBW = 10kHz, Span = 1.5 times DTS Bandwidth (6 dB BW), Detector = Peak, Sweep Time = Auto and Trace = Max hold.
- 4. The path loss and Duty Factor were compensated to the results for each measurement by SA.
- 5. Mark the maximum level.
- 6. Measure and record the result of power spectral density. in the test report.

4.4.3 Test Setup





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4.4.4 Test Result

Temperature: $17.9 \sim 21.4^{\circ}$ C **Humidity:** $51 \sim 63\%$ RH

Tested by: Marco Chan Test date: December 28, 2021 ~ January 4, 2022

BLE 1M mode

Frequency (MHz)	RF Power Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2402	-11.78	8	PASS
2442	-11.80	8	PASS
2480	-12.26	8	PASS

BLE 2M mode

Frequency (MHz)	RF Power Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2402	-13.70	8	PASS
2442	-14.14	8	PASS
2480	-14.90	8	PASS



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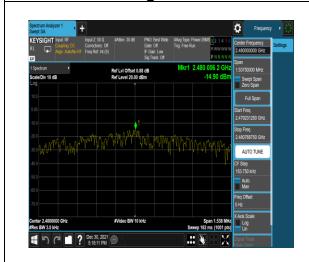
Test Data





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4.5 CONDUCTED BAND EDGE AND SPURIOUS EMISSION

4.5.1 Test Limit

According to §15.247(d)

FCC: In any 100 kHz bandwidth outside the authorized frequency band,

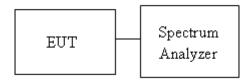
Non-restricted bands shall be attenuated at least 20 dB/30 dB relative to the maximum PSD level in 100 kHz by RF conducted or a radiated measurement which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

4.5.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

- 1. EUT RF output port connected to the SA by RF cable, and the path loss was compensated to result.
- 2. SA setting, RBW=100kHz, VBW=300kHz, Detector=Peak, Trace mode = max hold, SWT = Auto.
- 3. In any 100 kHz bandwidth outside the authorized frequency band, shall be attenuated at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when conducted power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

4.5.3 Test Setup





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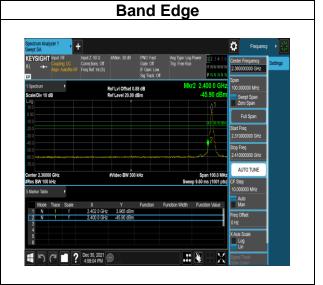
4.5.4 Test Result

Test Data

Temperature: $17.9 \sim 21.4^{\circ}$ C **Humidity:** $51 \sim 63\%$ RH

Tested by: Marco Chan Test date: December 28, 2021 ~ January 4, 2022

Reference Level of PSD in 100kHz Section Analyzer 1 Section Analyzer



Spurious Emission 30MHz-25GHz



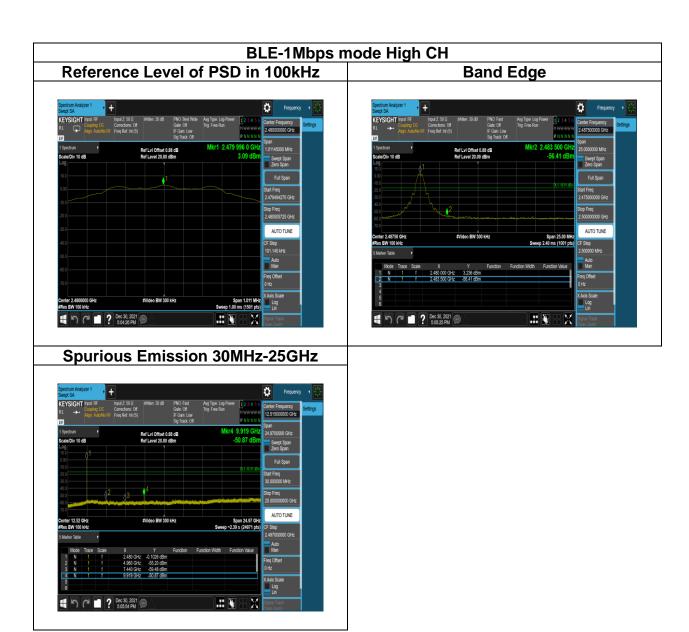


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Reference Level of PSD in 100kHz Spurious Emission 30MHz-25GHz Spurious Emission 30MHz-25GH



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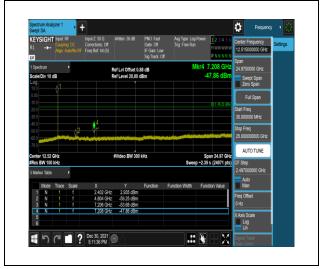




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Reference Level of PSD in 100kHz Section Analysis 1 Section 1 S

Spurious Emission 30MHz-25GHz



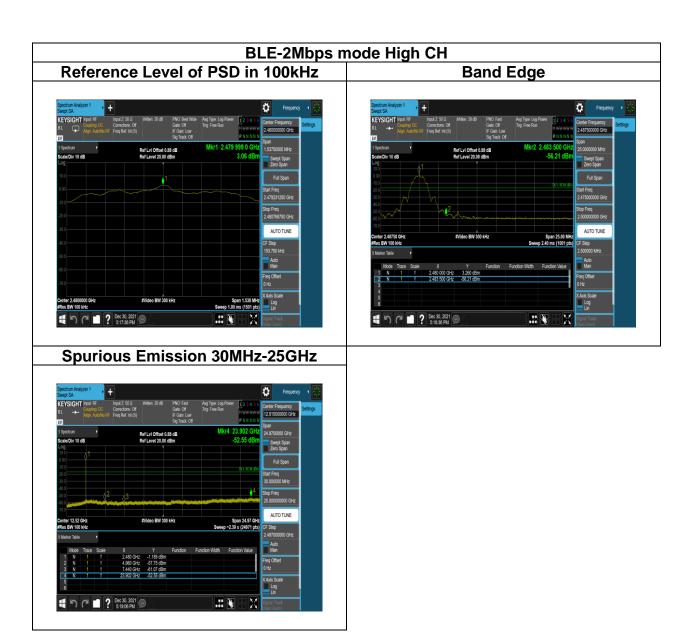


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BLE-2Mbps mode Mid CH Reference Level of PSD in 100kHz Spurious Emission 30MHz-25GHz Special Analyzer 1 Special Converses (1) Spital Converse



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4.6 RADIATION BANDEDGE AND SPURIOUS EMISSION

4.6.1 Test Limit

FCC according to §15.247(d), §15.209 and §15.205,

In any 100 kHz bandwidth outside the authorized frequency band, all harmonic and spurious must be least 20 dB below the highest emission level with the authorized frequency band. Radiation emission which fall in the restricted bands must also follow the FCC section 15.209 as below limit in table.

Below 30 MHz

Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30

Above 30 MHz

Frequency	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)		
(MHz)	Transmitters	Receivers	
30-88	100 (3 nW)	100 (3 nW)	
88-216	150 (6.8 nW)	150 (6.8 nW)	
216-960	200 (12 nW)	200 (12 nW)	
Above 960	500 (75 nW)	500 (75 nW)	

Remark:

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.



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4.6.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

- 1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.
- 3. Span shall wide enough to full capture the emission measured. The SA from 9KHz to 26.5GHz set to the low, Mid and High channels with the EUT transmit.

Remark:

- 1. Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.
- 2. No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).
- 3. The SA setting following:
 - (1) Below 1G: RBW = 100kHz, VBW ≥ 3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
 - (2) Above 1G:
 - (2.1) For Peak measurement : RBW = 1MHz, VBW ≥ 3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
 - (2.2) For Average measurement : RBW = 1MHz, VBW

If Duty Cycle ≥ 98%, VBW=10Hz.

If Duty Cycle < 98%, VBW=1/T.

4. Data result

Actual FS=Spectrum Reading Level+Factor

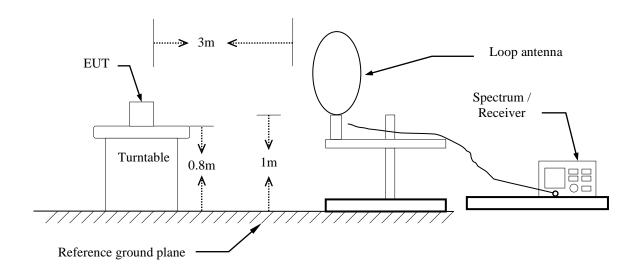
Margin=Actual FS- Limit



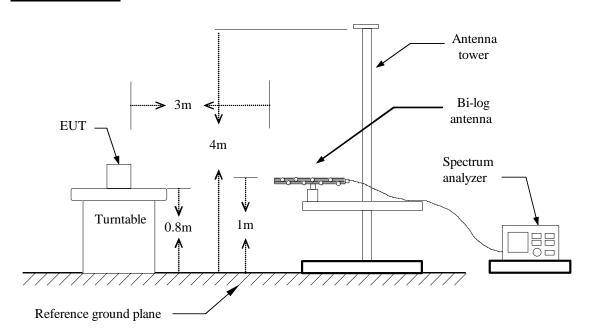
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4.6.3 Test Setup

9kHz ~ 30MHz



30MHz ~ 1GHz

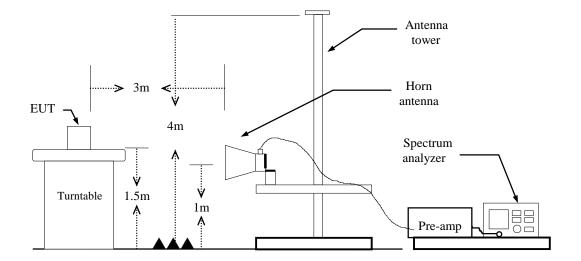




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Above 1 GHz



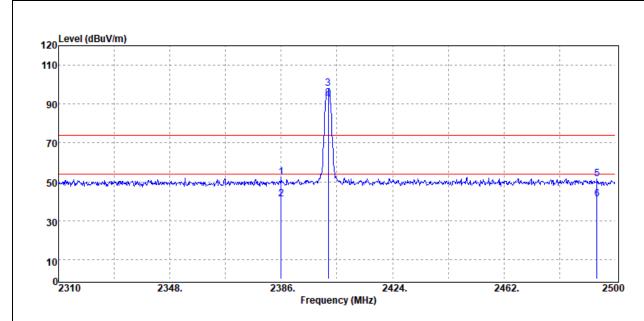


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4.6.4 Test Result

Band Edge Test Data

Test Mode:	BLE-1Mbps Low CH	Temp/Hum	21.4(°ℂ)/ 58%RH
Test Item	Band Edge	Test Date	January 4, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak / Average		

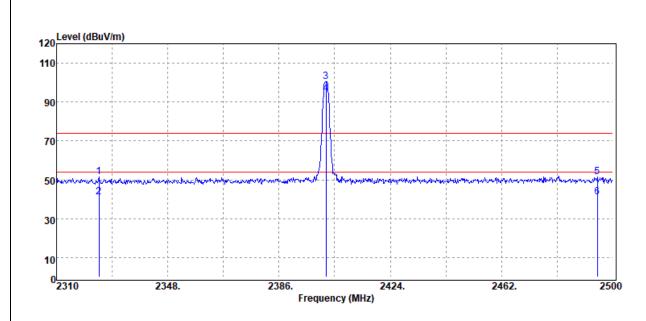


Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dΒμV/m	dBµV/m	dB
2386.00	Peak	39.61	12.56	52.17	74.00	-21.83
2386.00	Average	28.43	12.56	40.99	54.00	-13.01
2402.00	Peak	85.48	12.65	98.13	-	-
2402.00	Average	79.58	12.65	92.23	-	-
2493.73	Peak	38.23	13.26	51.49	74.00	-22.51
2493.73	Average	28.03	13.26	41.29	54.00	-12.71



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Test Mode:	BLE-1Mbps Low CH	Temp/Hum	21.4(°ℂ)/ 58%RH
Test Item	Band Edge	Test Date	January 4, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak / Average		

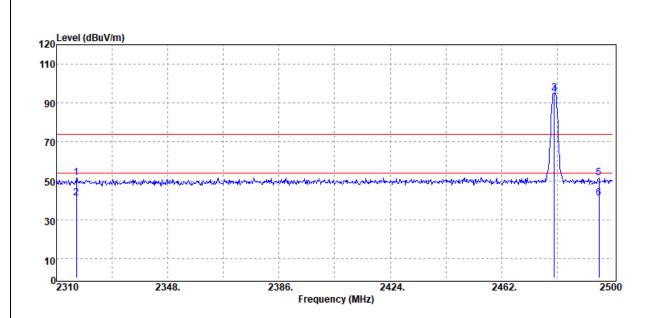


Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
2324.44	Peak	39.32	12.29	51.61	74.00	-22.39
2324.44	Average	28.77	12.29	41.06	54.00	-12.94
2402.00	Peak	87.73	12.65	100.38	-	-
2402.00	Average	81.54	12.65	94.19	-	-
2494.68	Peak	38.10	13.27	51.37	74.00	-22.63
2494.68	Average	27.75	13.27	41.02	54.00	-12.98



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Test Mode:	BLE-1Mbps High CH	Temp/Hum	21.4(°ℂ)/ 58%RH
Test Item	Band Edge	Test Date	January 4, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak / Average		

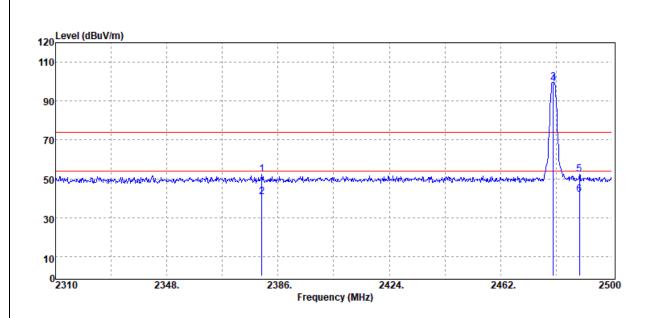


Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
2316.84	Peak	39.30	12.28	51.58	74.00	-22.42
2316.84	Average	28.76	12.28	41.04	54.00	-12.96
2480.00	Peak	82.04	13.16	95.20	-	-
2480.00	Average	81.28	13.16	94.44	-	-
2495.25	Peak	38.01	13.27	51.28	74.00	-22.72
2495.25	Average	27.85	13.27	41.12	54.00	-12.88



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Test Mode:	BLE-1Mbps High CH	Temp/Hum	21.4(°ℂ)/ 58%RH
Test Item	Band Edge	Test Date	January 4, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak / Average		

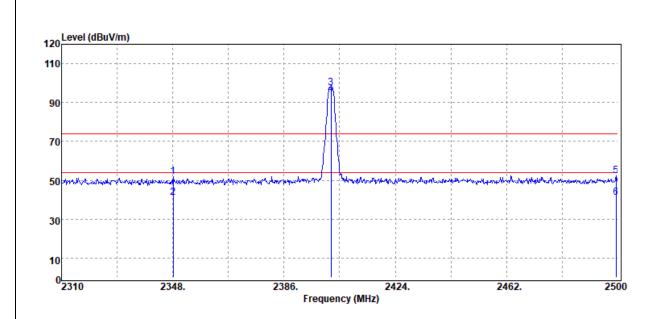


Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
2380.49	Peak	39.60	12.53	52.13	74.00	-21.87
2380.49	Average	28.33	12.53	40.86	54.00	-13.14
2480.00	Peak	86.49	13.16	99.65	-	-
2480.00	Average	85.71	13.16	98.87	-	-
2488.98	Peak	38.89	13.23	52.12	74.00	-21.88
2488.98	Average	28.59	13.23	41.82	54.00	-12.18



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Test Mode:	BLE-2Mbps Low CH	Temp/Hum	21.4(°C)/ 58%RH
Test Item	Band Edge	Test Date	January 4, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak / Average		

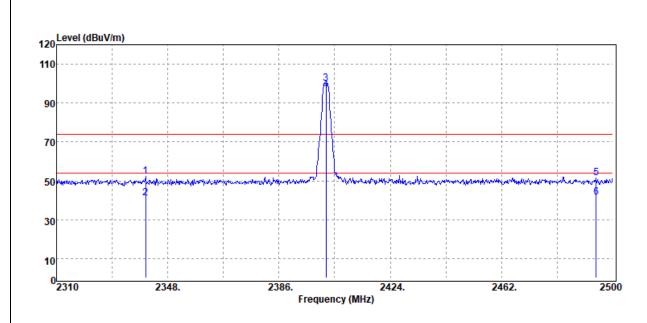


Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2348.19	Peak	39.46	12.36	51.82	74.00	-22.18
2348.19	Average	28.65	12.36	41.01	54.00	-12.99
2402.00	Peak	84.99	12.65	97.64	1	-
2402.00	Average	81.63	12.65	94.28	-	-
2499.43	Peak	38.80	13.31	52.11	74.00	-21.89
2499.43	Average	27.76	13.31	41.07	54.00	-12.93



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Test Mode:	BLE-2Mbps Low CH	Temp/Hum	21.4(°C)/ 58%RH
Test Item	Band Edge	Test Date	January 4, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak / Average		

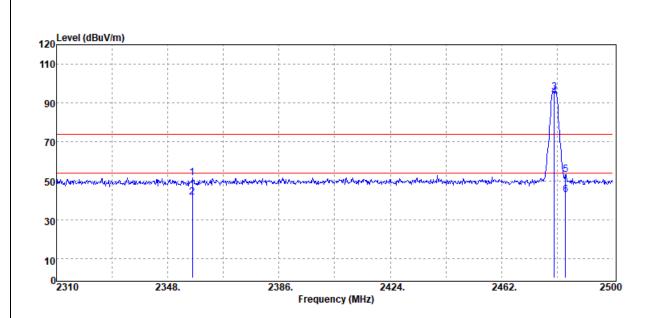


Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2340.40	Peak	39.89	12.33	52.22	74.00	-21.78
2340.40	Average	28.72	12.33	41.05	54.00	-12.95
2402.00	Peak	87.59	12.65	100.24	-	-
2402.00	Average	84.21	12.65	96.86	-	-
2494.30	Peak	38.34	13.27	51.61	74.00	-22.39
2494.30	Average	28.08	13.27	41.35	54.00	-12.65



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Test Mode:	BLE-2Mbps High CH	Temp/Hum	21.4(°ℂ)/ 58%RH
Test Item	Band Edge	Test Date	January 4, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak / Average		

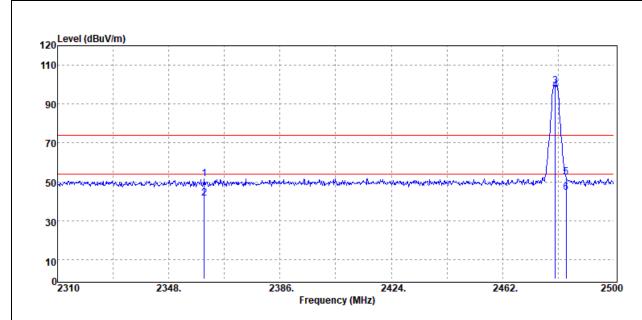


Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
2356.36	Peak	39.28	12.40	51.68	74.00	-22.32
2356.36	Average	29.22	12.40	41.62	54.00	-12.38
2480.00	Peak	82.46	13.16	95.62	-	-
2480.00	Average	80.40	13.16	93.56	-	-
2483.85	Peak	40.08	13.19	53.27	74.00	-20.73
2483.85	Average	29.46	13.19	42.65	54.00	-11.35



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Test Mode:	BLE-2Mbps High CH	Temp/Hum	21.4(°ℂ)/ 58%RH
Test Item	Band Edge	Test Date	January 4, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak / Average		



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2360.16	Peak	39.27	12.41	51.68	74.00	-22.32
2360.16	Average	29.20	12.41	41.61	54.00	-12.39
2480.00	Peak	86.22	13.16	99.38	-	-
2480.00	Average	84.11	13.16	97.27	-	-
2483.66	Peak	39.08	13.18	52.26	74.00	-21.74
2483.66	Average	31.04	13.18	44.22	54.00	-9.78

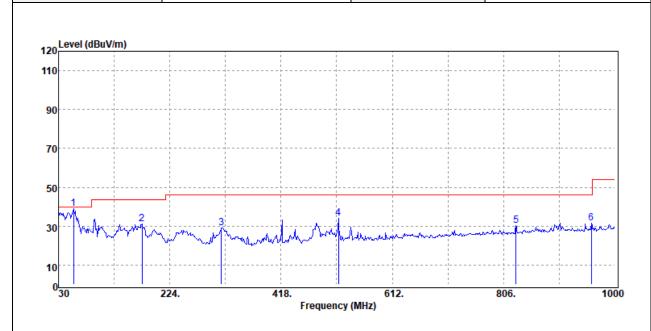


Below 1G Test Data

Test Mode:	BLE-1Mbps Mode	Temp/Hum	21.4(°C)/ 58%RH
Test Item	30MHz-1GHz	Test Date	January 4, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		

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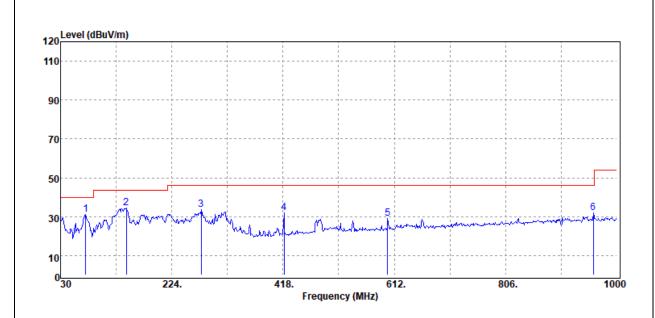


Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dΒμV/m	dΒμV/m	dB
56.19	Peak	54.88	-15.99	38.89	40.00	-1.11
175.50	Peak	42.26	-11.31	30.95	43.50	-12.55
314.21	Peak	37.53	-8.28	29.25	46.00	-16.75
517.91	Peak	37.16	-3.21	33.95	46.00	-12.05
827.34	Peak	28.51	1.92	30.43	46.00	-15.57
959.26	Peak	27.84	3.83	31.67	46.00	-14.33



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Test Mode:	BLE-1Mbps Mode	Temp/Hum	21.4(°C)/ 58%RH
Test Item	30MHz-1GHz	Test Date	January 4, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		

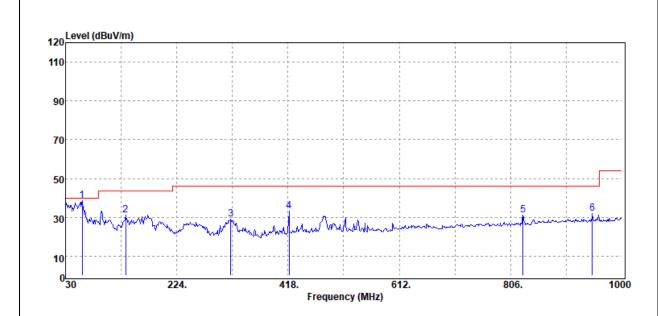


Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
73.65	Peak	46.44	-15.37	31.07	40.00	-8.93
144.46	Peak	44.90	-10.32	34.58	43.50	-8.92
275.41	Peak	42.33	-8.88	33.45	46.00	-12.55
419.94	Peak	37.08	-5.26	31.82	46.00	-14.18
600.36	Peak	31.39	-2.24	29.15	46.00	-16.85
959.26	Peak	27.95	3.83	31.78	46.00	-14.22



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Test Mode:	BLE-2Mbps Mode	Temp/Hum	21.4(°C)/ 58%RH
Test Item	30MHz-1GHz	Test Date	January 4, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		

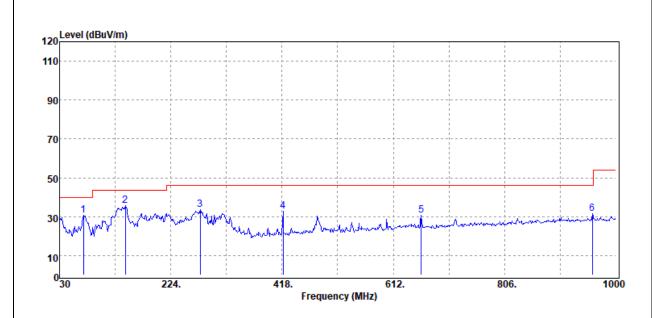


Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
59.10	Peak	54.54	-15.96	38.58	40.00	-1.42
134.76	Peak	40.55	-9.54	31.01	43.50	-12.49
318.09	Peak	37.12	-8.26	28.86	46.00	-17.14
419.94	Peak	38.42	-5.26	33.16	46.00	-12.84
827.34	Peak	29.16	1.92	31.08	46.00	-14.92
948.59	Peak	28.09	3.68	31.77	46.00	-14.23



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	Test Mode:	BLE-2Mbps Mode	Temp/Hum	21.4(°C)/ 58%RH
	Test Item	30MHz-1GHz	Test Date	January 4, 2022
Ī	Polarize	Horizontal	Test Engineer	Ray Li
Ī	Detector	Peak		



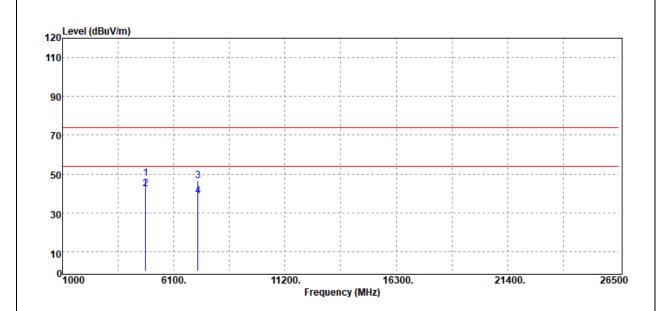
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
71.71	Peak	46.04	-15.15	30.89	40.00	-9.11
144.46	Peak	45.98	-10.32	35.66	43.50	-7.84
275.41	Peak	42.43	-8.88	33.55	46.00	-12.45
419.94	Peak	37.98	-5.26	32.72	46.00	-13.28
660.50	Peak	31.31	-0.75	30.56	46.00	-15.44
959.26	Peak	27.85	3.83	31.68	46.00	-14.32



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Above 1G Test Data

Test Mode:	BLE-1Mbps Low CH	Temp/Hum	21.6(°ℂ)/ 64%RH
Test Item	Harmonic	Test Date	January 3, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



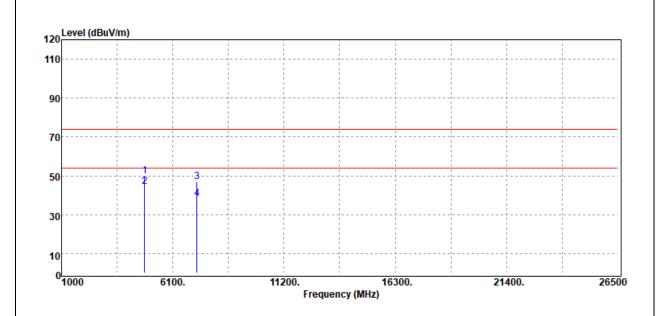
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dΒμV/m	dΒμV/m	dB
4804.00	Peak	38.48	9.47	47.95	74.00	-26.05
4804.00	Average	32.98	9.47	42.45	54.00	-11.55
7206.00	Peak	32.89	13.41	46.30	74.00	-27.70
7206.00	Average	25.37	13.41	38.78	54.00	-15.22
N/A						

Remark:



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Test Mode:	BLE-1Mbps Low CH	Temp/Hum	21.6(°ℂ)/ 64%RH
Test Item	Harmonic	Test Date	January 3, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



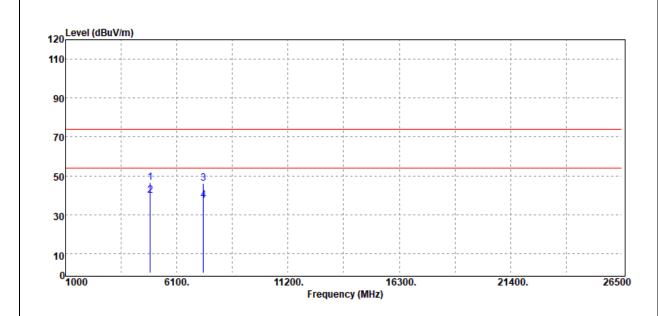
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4804.00	Peak	40.25	9.47	49.72	74.00	-24.28
4804.00	Average	35.08	9.47	44.55	54.00	-9.45
7206.00	Peak	33.40	13.41	46.81	74.00	-27.19
7206.00	Average	24.76	13.41	38.17	54.00	-15.83
N/A						

Remark:



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Test Mode:	BLE-1Mbps Mid CH	Temp/Hum	21.6(°C)/ 64%RH
Test Item	Harmonic	Test Date	January 3, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



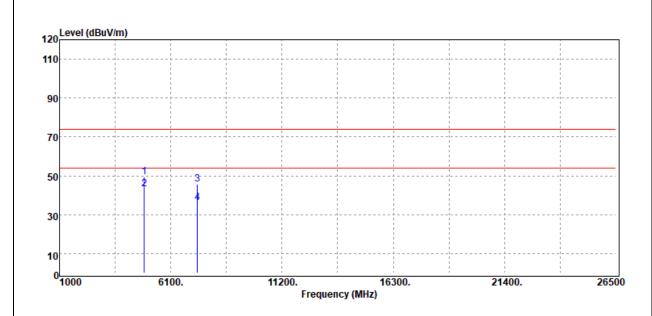
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dΒμV/m	dBµV/m	dB
4884.00	Peak	36.83	9.58	46.41	74.00	-27.59
4884.00	Average	30.25	9.58	39.83	54.00	-14.17
7326.00	Peak	32.75	13.17	45.92	74.00	-28.08
7326.00	Average	24.07	13.17	37.24	54.00	-16.76
N/A						

Remark:



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Test Mode:	BLE-1Mbps Mid CH	Temp/Hum	21.6(°C)/ 64%RH
Test Item	Harmonic	Test Date	January 3, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



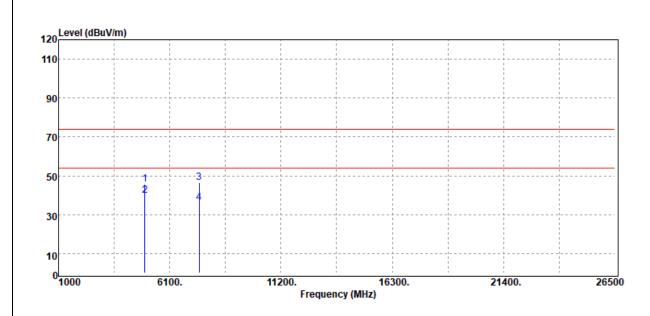
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dΒμV/m	dΒμV/m	dB
4884.00	Peak	39.78	9.58	49.36	74.00	-24.64
4884.00	Average	33.49	9.58	43.07	54.00	-10.93
7326.00	Peak	32.70	13.17	45.87	74.00	-28.13
7326.00	Average	22.97	13.17	36.14	54.00	-17.86
N/A						

Remark:



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Test Mode:	BLE-1Mbps High CH	Temp/Hum	21.4(°ℂ)/ 58%RH
Test Item	Harmonic	Test Date	January 4, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



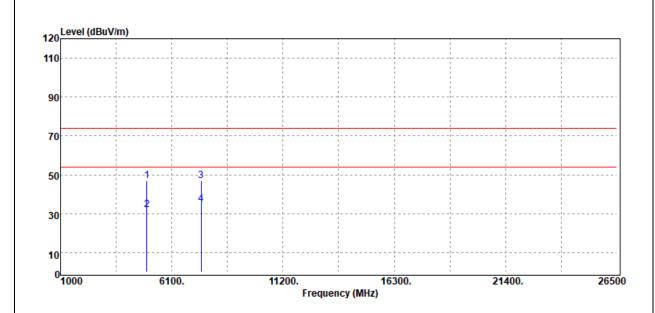
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dΒμV/m	dBμV/m	dB
4960.00	Peak	35.93	9.63	45.56	74.00	-28.44
4960.00	Average	30.17	9.63	39.80	54.00	-14.20
7440.00	Peak	32.94	13.42	46.36	74.00	-27.64
7440.00	Average	22.68	13.42	36.10	54.00	-17.90
N/A						

Remark:



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Test Mode:	BLE-1Mbps High CH	Temp/Hum	21.4(°ℂ)/ 58%RH
Test Item	Harmonic	Test Date	January 4, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



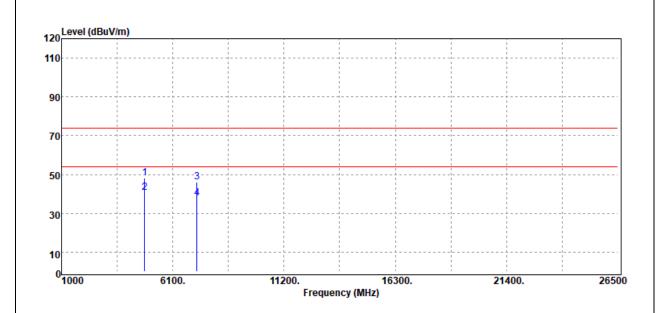
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dΒμV/m	dΒμV/m	dB
4960.00	Peak	37.15	9.63	46.78	74.00	-27.22
4960.00	Average	22.26	9.63	31.89	54.00	-22.11
7440.00	Peak	33.60	13.42	47.02	74.00	-26.98
7440.00	Average	21.65	13.42	35.07	54.00	-18.93
N/A						

Remark:



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Test Mode:	BLE-2Mbps Low CH	Temp/Hum	21.4(°C)/ 58%RH
Test Item	Harmonic	Test Date	January 4, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



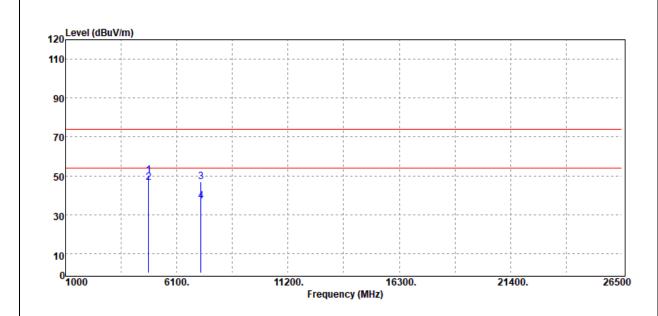
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4804.00	Peak	38.71	9.47	48.18	74.00	-25.82
4804.00	Average	31.08	9.47	40.55	54.00	-13.45
7206.00	Peak	32.51	13.41	45.92	74.00	-28.08
7206.00	Average	24.20	13.41	37.61	54.00	-16.39
N/A						

Remark:



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Test Mode:	BLE-2Mbps Low CH	Temp/Hum	21.4(°ℂ)/ 58%RH
Test Item	Harmonic	Test Date	January 4, 2022
Polarize	olarize Horizontal		Ray Li
Detector	Peak & Average		



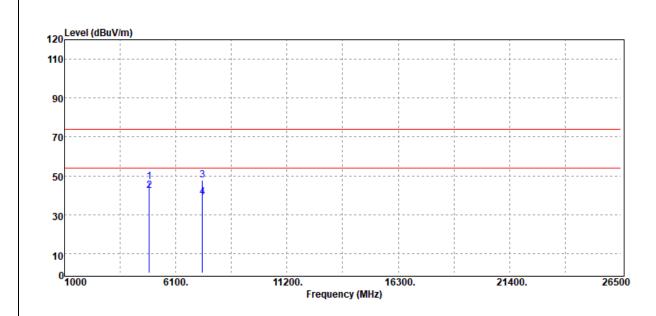
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dΒμV/m	dBμV/m	dB
4804.00	Peak	40.66	9.47	50.13	74.00	-23.87
4804.00	Average	37.07	9.47	46.54	54.00	-7.46
7206.00	Peak	33.55	13.41	46.96	74.00	-27.04
7206.00	Average	23.35	13.41	36.76	54.00	-17.24
N/A						

Remark:



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Test Mode:	BLE-2Mbps Mid CH	Temp/Hum	21.4(°ℂ)/ 58%RH
Test Item	Test Item Harmonic		January 4, 2022
Polarize	Polarize Vertical		Ray Li
Detector	Peak & Average		



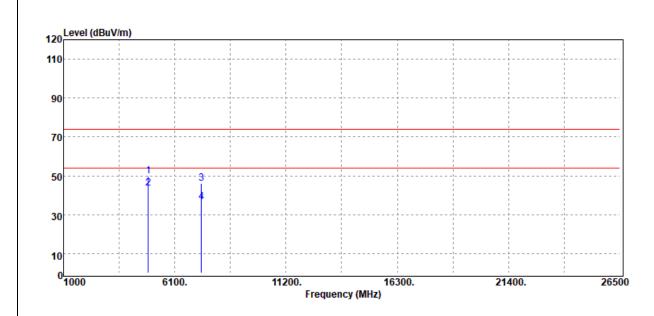
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode PK/QP/AV	Reading Level	dB	FS dBµV/m	@3m dBµV/m	dB
4884.00	Peak	37.36	9.58	46.94	74.00	-27.06
4884.00	Average	32.84	9.58	42.42	54.00	-11.58
7326.00	Peak	34.77	13.17	47.94	74.00	-26.06
7326.00	Average	25.67	13.17	38.84	54.00	-15.16
N/A						

Remark:



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Test Mode:	BLE-2Mbps Mid CH	Temp/Hum	21.4(°ℂ)/ 58%RH
Test Item	Harmonic	Test Date	January 4, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



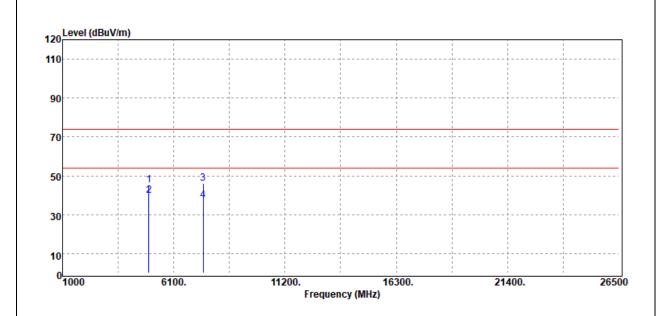
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBμV/m	dBµV/m	dB
4884.00	Peak	40.14	9.58	49.72	74.00	-24.28
4884.00	Average	33.84	9.58	43.42	54.00	-10.58
7326.00	Peak	33.12	13.17	46.29	74.00	-27.71
7326.00	Average	23.39	13.17	36.56	54.00	-17.44
N/A						

Remark:



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Test Mode:	BLE-2Mbps High CH	Temp/Hum	21.4(°ℂ)/ 58%RH
Test Item	Test Item Harmonic		January 4, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



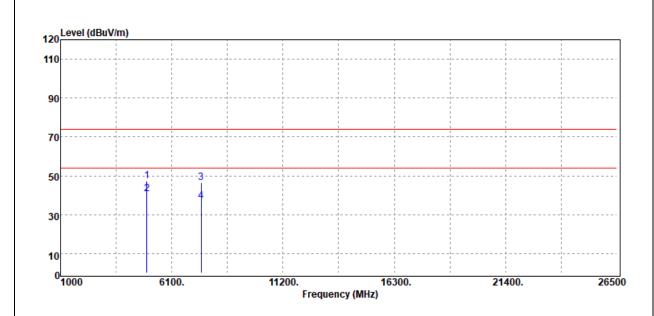
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dΒμV/m	dBµV/m	dB
4960.00	Peak	35.50	9.63	45.13	74.00	-28.87
4960.00	Average	30.16	9.63	39.79	54.00	-14.21
7440.00	Peak	32.74	13.42	46.16	74.00	-27.84
7440.00	Average	24.09	13.42	37.51	54.00	-16.49
N/A						

Remark:



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Test Mode:	BLE-2Mbps High CH	Temp/Hum	21.4(°ℂ)/ 58%RH
Test Item	Harmonic	Test Date	January 4, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dΒμV/m	dBμV/m	dB
4960.00	Peak	37.74	9.63	47.37	74.00	-26.63
4960.00	Average	31.19	9.63	40.82	54.00	-13.18
7440.00	Peak	32.98	13.42	46.40	74.00	-27.60
7440.00	Average	23.64	13.42	37.06	54.00	-16.94
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

-- End of Test Report--